

TPS7H3301-SP Total Ionizing Dose (TID) Radiation Report

This report discusses the results of the Total Ionizing Dose (TID) testing the Radiation Hardness Assured (RHA), QML Class V Texas Instrument’s TPS7H3301-SP (5962R1422801VXC). The RHA version of the TPS7H3301-SP passes up to 100 krad(Si) Low Dose Rate and 100 krad(Si) High Dose Rate TID and does not exhibit ELDRS

NOTE: For questions or comments, contact hirelmarketing@list.ti.com.

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1 Device Information

1.1 Product Description

The TPS7H3301-SP is a TID and SEE radiation hardened double data rate (DDR) 3-A termination regulator with built in V_{TTREF} Buffer. The regulator is specifically design to provide a complete, compact, low noise solution for Space DDR termination applications such as single board computers, solid state recorders, and payload processing.

The TPS7H3301-SP supports and is compliant to DDR, DDR2, DDR3, DDR4, and associated low-power JEDEC specifications. The fast transient response of the TPS7H3301-SP V_{TT} regulator allows for a very stable supply during read/write conditions. The TPS7H3301-SP also includes a built-in V_{REF} supply that tracks V_{TT} to further reduce the solution size. During transients, the fast tracking feature of the V_{REF} supply minimizes any voltage offset between V_{TT} and V_{REF} . To enable simple power sequencing both an enable input and a power-good output (PGOOD) have been integrated into the TPS7H3301-SP. The PGOOD output is open-drain so it can be tied to multiple open-drain outputs to monitor when all supplies have come into regulation. The enable signal can also be used to discharge V_{TT} during suspend to RAM (S3) power down mode. It has been RHA qualified to 100 krad (Si) under both LDR and HDR. It is orderable under SMD 5962R1422801VXC in our 16 pin thermally enhanced 16 pin HKR ceramic flat pack package.

1.2 Device Details

Table 1 lists the device information used in the initial RHA TID characterization and qualification of HDR tests. Current production lot RLAT data can always be found in the Group E report shipped. The process for pulling the group E report from TI is described

Table 1. Device and Exposure Details

TID HDR/LDR Details: up to 150 krad(Si)	
TI Device Number	TPS7H3301-SP (5962R1422801VXC)
Package	16 Pin Ceramic Flatpack (HKR)
Technology	LBC7
Die Lot Number	4362341TI1 (Scribe lot# 4337800)
A/T Lot Number / Date Code	lot # 5008958 (1545A, W1), lot# 5008982 (1545B, W2), lot# 5008983 (1545C, W3)
Quantity Tested	95 device including 1 control device
Lot Accept/Reject	Devices passed 3 krad (Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), 100 krad(Si) and 150 krad(Si) ⁽¹⁾
HDR Radiation Facility	Texas Instruments SVA Group, Santa Clara, CA
LDR Radiation Facility	RAD/Aeroflex in Colorado Springs, Colorado
HDR Dose Level	3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), 100 krad(Si) and 150 krad(Si) ⁽¹⁾
HDR Dose Rate	65 rad/s
LDR Dose Level	3 krad (Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), 100 krad(Si)
LDR Dose Rate	0.01 rad/s
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
LDR Radiation Source	Gammacell JLSA 81-24 Co-60
Irradiation Temperature	Ambient, room temperature

⁽¹⁾ 150 krad(Si) units pass, per MIL-STD-883 1019.9, Condition A and section 3.12 acceleration annealing test.

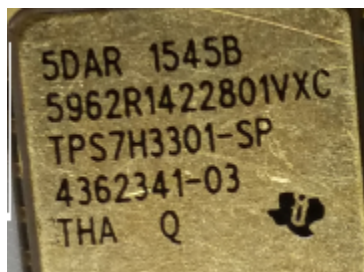


Figure 1. Device Used in Exposure

2 Total Dose Test Setup

2.1 Test Overview

The TPS7H3301-SP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Condition A and D was used. For Condition A, the product was irradiated up to 1.5x the rated radiation level and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). The device was functional and passed all electrical parametric tests with the readings within (guard bands) of the Standard Microcircuit Drawing (SMD) electrical specification limits.

The TPS7H3301-SP Linear BiCMOS (LBC7) process technology contains bipolar components in the band-gap. Due to the use of bipolars in the design of the band gap an Enhanced Low Dose Rate Sensitivity (ELDRS) study was performed to determine if the device has a Low Dose Rate (LDR) sensitivity.

2.2 Test Description and Facilities

The TPS7H3301-SP LDR exposure was performed on biased and unbiased devices in a Co60 gamma cell under a 10 mrad(Si)/sec exposure rate. The dose rate of the irradiator used in the exposure ranges from < 10 mrad(Si)/sec to a maximum of approximately 65 rad(Si)/sec, determined by the distance from the source. For the LDR (10mrad(Si)/sec) exposure, the test box was positioned approximately 2m from the source. The exposure boards are housed in a lead-aluminum box (as specified in MIL-STD-883 TM 1019.9) to harden the gamma spectrum and minimize dose enhancement effects. The irradiator calibration is maintained by Logmire Laboratories using Thermoluminescence Dosimeters (TLDs) traceable to the National Institute of Standards and Technology (NIST) and the dosimetry was verified using TLDs prior to the radiation exposures. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and returned to TI Dallas for a full post radiation electrical evaluation using Texas Instruments production Automated Test Equipment (ATE). ATE guard band test limits are set within SMD electrical limits to ensure a minimum Cpk and test error margin based on initial qualification and characterization data. Post radiation measurements were taken within 30 minutes of removal of the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post radiation measurements.

The TPS7H3301-SP HDR exposure was performed on biased and unbiased devices in a Co60 gamma cell at TI SVA facility in Santa Clara California. The un-attenuated dose rate of this cell is 65rad(Si)/sec. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and returned to TI Dallas for a full post radiation electrical evaluation using Texas Instruments Automated Test Equipment (ATE). ATE guard band test limits are set within SMD electrical limits to ensure a minimum Cpk and test error margin based on initial qualification and characterization data. Post radiation measurements were taken within 30 minutes of removal of the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post radiation measurements.

2.3 Test Setup Details

The devices under HDR and LDR exposure were tested in both biased and unbiased conditions in two conditions as described as follows.

2.3.1 Unbiased

For the unbiased HDR and LDR conditions, the exposure was performed with all pins grounded.

2.3.2 Biased

The TPS7H3301-SP supports both sourcing and sinking current. To determine the worst-case condition an extensive look-ahead TID test was performed and it was determined that the sourcing current configuration is the worst-case. Figure 2 shows the sourcing current biased diagram that was used for HDR and LDR exposure for the RHA characterization.

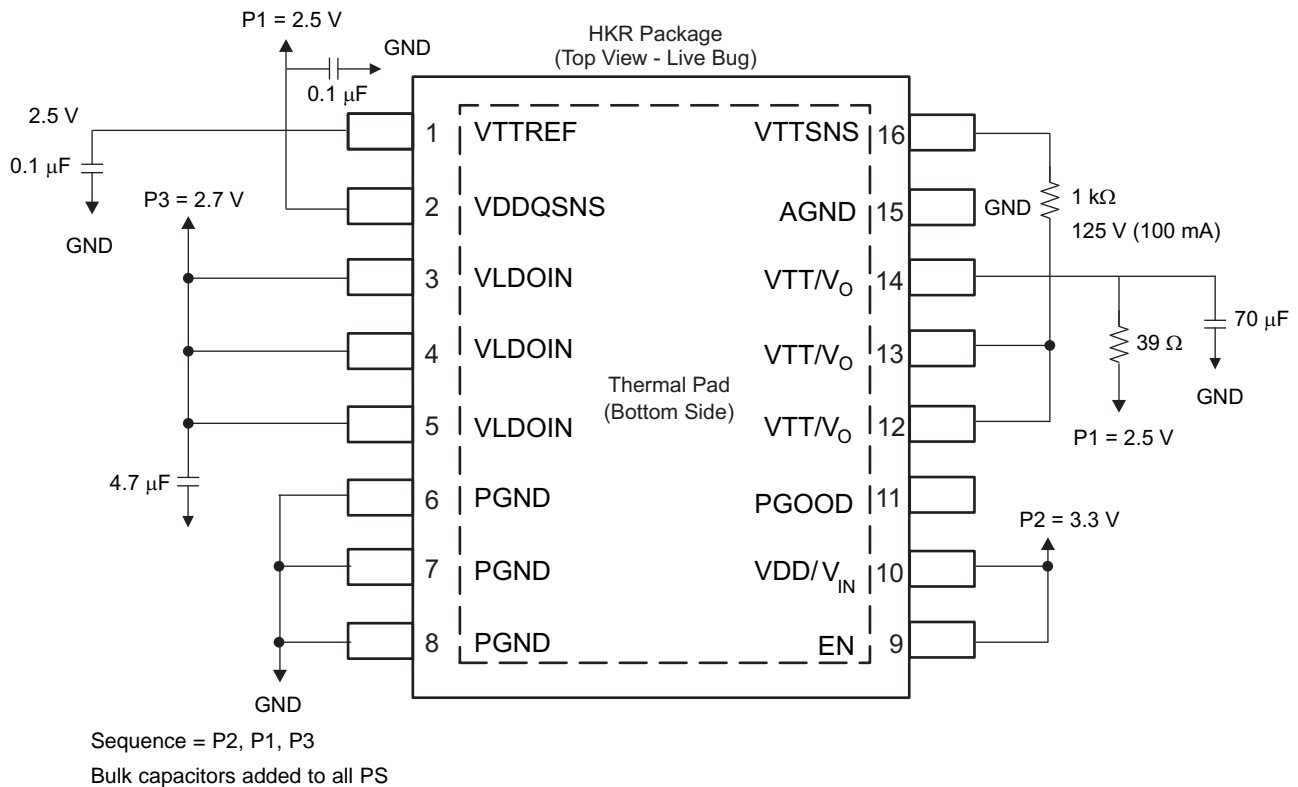


Figure 2. Bias Diagram Used in TID Exposure

Table 2. 50 Krad Biased and Unbiased Units

3 Sink and 3 Source Units + 6 Unbiased Units			Sequence	2, 1, 3		Total Power (mW)
P1 (V)	P1 (mA)	P2 (V)	P2 (mA)	P3 (V)	P3 (mA)	
2.5	92.8	3.3	120	2.7	80	844

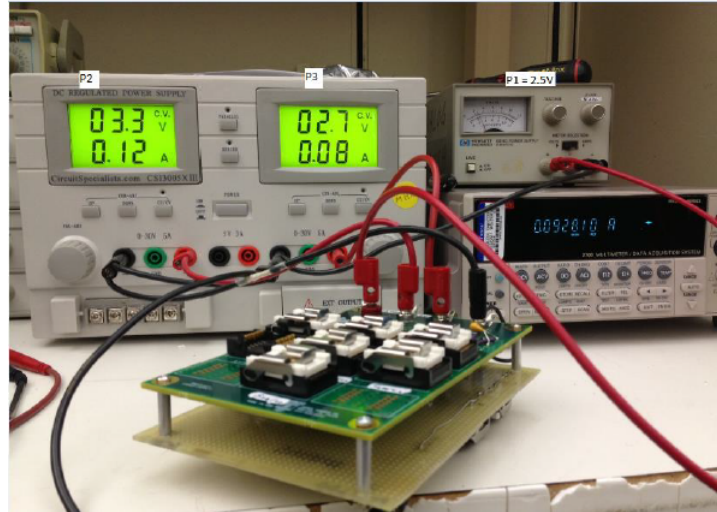


Figure 3. 50 Krad Units

Table 3. 100 Krad Biased and Unbiased Units

3 Sink and 3 Source Units + 6 Unbiased Units			Sequence	2, 1, 3		Total Power (mW)
P1 (V)	P1 (mA)	P2 (V)	P2 (mA)	P3 (V)	P3 (mA)	
2.5	92.9	3.3	120	2.7	80	844.25

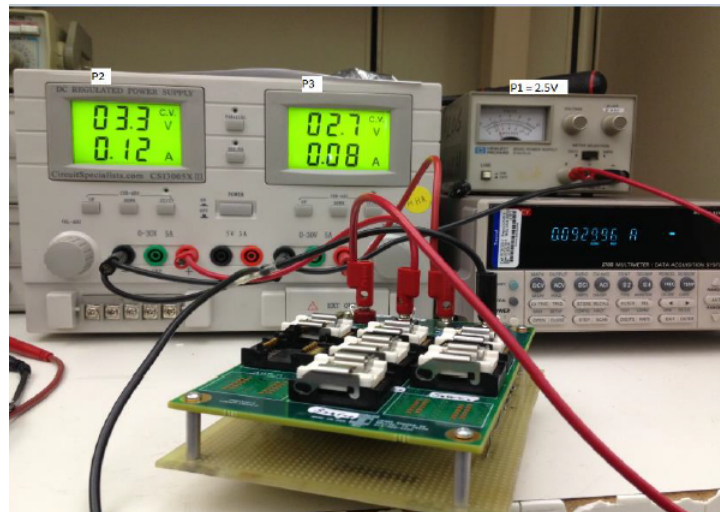


Figure 4. 100 Krad Units

2.4 Test Configuration and Condition

A step-stress (3k, 10k, 30k, 50k, 100krad) test method was used to determine the TID hardness level. That is, after a predetermined TID level was reached, an electrical test was performed on a given sample of parts to verify that the units are within SMD electrical test limits. MIL-STD-883, Test Method 1019.9, Condition A and D was used in this case. If this passes, then the wafer lot can be certified as an RHA wafer lot.

Table 4 to Table 5 list the samples that used during the RHA characterization

Table 4. HDR = 65rad(Si)/sec Biased Device Information

Total Samples: 5 Biased/TID level					
Exposure Levels:					
3k	10k	30k	50k	100k (RLAT Included)	150k
116 (wafer 1)	119 (wafer 1)	125 (wafer 1)	128 (wafer 1)	132, 134, 135 (wafer 1) 52, 54, 55, 56, 57, 59, 62, 63, 64, 66, 68 (wafer 2) 54, 55, 56, 57, 58, 59, 65, 67 (wafer 3)	116 (wafer 1)
117 (wafer 1)	120 (wafer 1)	42 (wafer 2)	129 (wafer 1)		117 (wafer 1)
36 (wafer 2)	40 (wafer 2)	43 (wafer 2)	48 (wafer 2)		36 (wafer 2)
37 (wafer 2)	41 (wafer 3)	45 (wafer 3)	49 (wafer 2)		37 (wafer 2)
39 (wafer 3)	42 (wafer 3)	46 (wafer 3)	51 (wafer 3)		39 (wafer 3)

Control Unit: 106, 374

Table 5. HDR = 65rad(Si)/sec UnBiased Device Information

Total Samples: 5 Unbiased/TID level					
Exposure Levels:					
3k	10k	30k	50k	100k (RLAT Included)	150k
118 (wafer 1)	121 (wafer 1)	127 (wafer 1)	130 (wafer 1)	122, 138, 139 (wafer 1) 60, 61, 69, 70, 71, 72, 73, 74, 77, 78, 79, 80 (wafer 2) 70, 71, 72, 73, 75, 76, 79 (wafer 3)	118 (wafer 1)
140 (wafer 1)	124 (wafer 1)	45 (wafer 2)	131 (wafer 1)		140 (wafer 1)
38 (wafer 2)	41 (wafer 2)	47 (wafer 2)	50 (wafer 2)		38 (wafer 2)
39 (wafer 2)	43 (wafer 3)	47 (wafer 3)	51 (wafer 2)		39 (wafer 2)
40 (wafer 3)	44 (wafer 3)	50 (wafer 3)	53 (wafer 3)		40 (wafer 3)

Control Unit: 106, 374

Table 6. LDR = 10mrad(Si)/sec Biased Device Information

Total Samples: 5 Biased/TID level					
Exposure Levels:					
3k	10k	30k	50k	100k (RLAT Included)	
79 (wafer 1)	85 (wafer 1)	89 (wafer 1)	92 (wafer 1)	97, 99, 100, 101, 102, 104, 105 (wafer 1) 17, 18, 19, 20, 21, 24, 25, 26 (wafer 2) 16, 17, 18, 19, 25, 26, 31 (wafer 3)	
80 (wafer 1)	86 (wafer 1)	8 (wafer 2)	93 (wafer 1)		
1 (wafer 2)	6 (wafer 2)	9 (wafer 2)	12 (wafer 2)		
2 (wafer 2)	3 (wafer 3)	7 (wafer 3)	13 (wafer 2)		
1 (wafer 3)	4 (wafer 3)	9 (wafer 3)	14 (wafer 3)		

Control Unit: 106, 158, 35

Table 7. LDR = 10mrad(Si)/sec Unbiased Device Information

Total Samples: 5 Unbiased/TID level				
Exposure Levels:				
3k	10k	30k	50k	100k (RLAT Included)
82 (wafer 1)	87 (wafer 1)	90 (wafer 1)	95 (wafer 1)	107, 108, 109, 110, 111, 112, 113 (wafer 1) 27, 29, 30, 31, 32, 33, 34, 35 (wafer 2) 32, 33, 34, 35, 36, 37, 38 (wafer 3)
83 (wafer 1)	88 (wafer 1)	10 (wafer 2)	96 (wafer 1)	
4 (wafer 2)	7 (wafer 2)	11 (wafer 2)	15 (wafer 2)	
5 (wafer 2)	5 (wafer 3)	11 (wafer 3)	16 (wafer 2)	
20 (wafer 3)	6 (wafer 3)	12 (wafer 3)	15 (wafer 3)	

Control Unit: 106, 158, 35

3 Total Ionizing Dose (RHA) Characterization Test Results

3.1 Total Ionizing Dose RHA Characterization Summary Results

The parametric data for the TPS7H3301-SP passes up to 100 krad(Si) Low Dose Rate and 100 krad(Si) High Dose Rate TID.

The 150 krad(Si) HDR units were parametrically tested on ATE and then put through 100°C anneal for 168 hours. The units were then put through parametric testing on the ATE and passed all tests to the specified SMD test limits. These units do not exhibit time dependent effects (TDE) degradation after Rebound test, per MIL-STD-883 1019 Condition A and section 3.12 accelerated annealing test. Rebound test is applicable for devices containing MOS components.

The drift of SMD electrical parameters including critical parameters through low dose rate (LDR) is within experimental error to the drift at high dose rate (HDR). The device is tested to maximum total dose of 100 krad(Si) per MIL-STD-883, TM1090 condition A and condition D.

The TPS7H3301-SP passed post electrical test over all the conditions below ensuring that the wafer lot is certifiable as 100krad RHA. Samples were assembled and included from all five sections (top, bottom, mid, right, left) from one wafer level variability regarding TID drift through post electrical test on ATE after High Dose Rate and Low Dose Rate exposure.

- HDR (100rad/sec) unbiased: Post 3krad(Si), 10krad(Si), 30krad(Si), 50krad(Si), 100krad(Si), 150krad(Si)
- HDR (100rad/sec) biased: Post 3krad(Si), 10krad(Si), 30krad(Si), 50krad(Si), 100krad(Si), 150krad(Si)
- LDR (0.01 rad/sec) unbiased: Post 3krad(Si), 10krad(Si), 30krad(Si), 50krad(Si), 100 krad(Si)
- LDR (0.01 rad/sec) biased: Post 3krad(Si), 10krad(Si), 30krad(Si), 50krad(Si), 100 krad(Si)

NOTE: 150krad(Si) units pass, per MIL-STD-883 1019.9, Condition A, section 3.12 accelerated annealing test

3.2 Group E Full RHA Radiation Lot Acceptance (RLAT) Report

The Group E RHA RLAT summary is shipped with each TI RHA QMLV product. To see the list of all documents shipped with TI QMLV products and to pull the full RHA (Group E) report, review our TI QMLV Lot Documents and Add link to lit number: [SBOA140](#)

NOTE: TI may provide technical, applications or design advice, quality characterization, and reliability data or service providing these items shall not expand or otherwise affect TI's warranties as set forth in the Texas Instruments Incorporated Standard Terms and Conditions of Sale for Semiconductor Products and no obligation Semiconductor Products and no obligation or liability shall arise from TI's provision of such items.

4 Applicable and Reference Documents

4.1 Applicable Documents

TPS7H3301-SP Sink/Source Radiation-Hardened 3-A DDR Termination Regulator ([SLVSCJ5](#))

TPS7H3301EVM-CVAL User's Guide ([SLVUAK2](#))

TPS7H3301-SP Single Event Effects Radiation Report ([SLAK008](#))

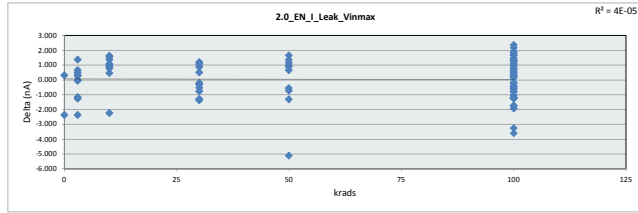
[TPS7H3301-SP EVM](#)

4.2 Reference Documents

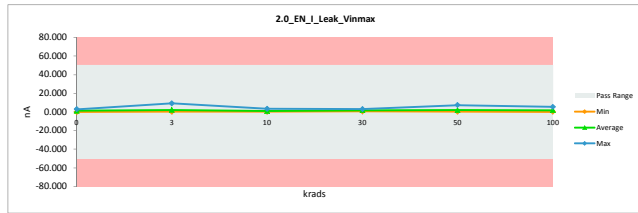
Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in [MIL-STD-883](#) TM 1019. The document can be found at the DLA website.

TID 100krad HDR Report
TPS7H3301-SP

2.0_EN_I_Leak_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.333	0.028	0.305
3	A116_Biased	1.061	2.331	-1.270
3	A117_Biased	2.351	1.686	0.665
3	B36_Biased	1.643	1.381	0.262
3	B37_Biased	0.998	0.679	0.319
3	C39_Biased	1.675	0.302	1.373
3	A118_Unbiased	6.804	9.173	-2.369
3	A140_Unbiased	0.333	0.349	-0.016
3	B38_Unbiased	2.021	3.180	-1.159
3	B39_Unbiased	1.958	2.016	-0.058
3	C40_Unbiased	1.502	1.010	0.492
10	A119_Biased	1.911	1.450	0.461
10	A120_Biased	1.690	0.626	1.064
10	B40_Biased	2.367	0.994	1.373
10	C41_Biased	1.816	1.041	0.775
10	C42_Biased	1.989	0.359	1.630
10	A121_Unbiased	1.706	0.805	0.901
10	A124_Unbiased	1.203	3.448	-2.245
10	B41_Unbiased	1.580	0.516	1.064
10	C43_Unbiased	2.021	1.104	0.917
10	C44_Unbiased	2.178	0.632	1.546
30	A125_Biased	2.272	1.403	0.869
30	B42_Biased	0.463	0.994	-0.531
30	B43_Biased	1.659	3.039	-1.380
30	C45_Biased	1.848	3.133	-1.285
30	C46_Biased	1.911	2.111	-0.200
30	A127_Unbiased	1.706	0.506	1.200
30	B45_Unbiased	1.659	1.151	0.508
30	B47_Unbiased	2.320	1.246	1.074
30	C47_Unbiased	1.800	2.111	-0.311
30	C50_Unbiased	1.580	2.362	-0.782
50	A128_Biased	0.967	0.302	0.665
50	A129_Biased	1.423	2.158	-0.735
50	B48_Biased	1.926	0.280	1.646
50	B49_Biased	2.084	1.104	0.980
50	C51_Biased	2.005	1.145	0.860
50	A130_Unbiased	2.163	7.285	-5.122
50	A131_Unbiased	1.706	0.547	1.159
50	B50_Unbiased	1.848	0.506	1.342
50	B51_Unbiased	2.162	2.708	-0.546
50	C53_Unbiased	1.942	3.259	-1.317
0	106_Corr	0.475	2.850	-2.375
100	A132_Biased	2.571	0.396	2.175
100	A134_Biased	1.722	5.335	-3.613
100	A135_Biased	1.914	1.544	0.367
100	B52_Biased	1.816	1.670	0.146
100	B54_Biased	1.863	2.488	-0.625
100	B55_Biased	1.659	0.679	0.980
100	B56_Biased	1.816	0.711	1.105
100	B57_Biased	1.989	0.978	1.011
100	B59_Biased	1.785	3.715	-1.930
100	B62_Biased	2.398	2.834	-0.436
100	B63_Biased	1.360	1.623	-0.263
100	B64_Biased	4.334	5.508	-1.174
100	B66_Biased	1.156	4.407	-3.251
100	B68_Biased	1.297	3.070	-1.773
100	C54_Biased	1.266	0.673	0.593
100	C55_Biased	2.508	2.284	0.224
100	C56_Biased	1.454	0.506	0.948
100	C57_Biased	1.045	0.239	0.806
100	C58_Biased	1.439	1.906	-0.467
100	C59_Biased	1.848	0.569	1.279
100	C65_Biased	2.320	0.616	1.704
100	C67_Biased	2.052	0.129	1.923
100	A122_Unbiased	2.320	2.126	0.194
100	A138_Unbiased	1.565	0.852	0.713
100	A139_Unbiased	2.021	3.290	-1.269
100	B60_Unbiased	1.958	2.740	-0.782
100	B61_Unbiased	2.335	1.859	0.476
100	B69_Unbiased	1.958	3.180	-1.222
100	B70_Unbiased	2.335	2.913	-0.578
100	B71_Unbiased	1.643	0.350	1.293
100	B72_Unbiased	1.502	3.227	-1.725
100	B73_Unbiased	1.769	0.113	1.656
100	B74_Unbiased	1.769	2.803	-1.034
100	B77_Unbiased	2.540	0.170	2.370
100	B78_Unbiased	1.738	2.991	-1.253
100	B79_Unbiased	1.675	2.111	-0.436
100	B80_Unbiased	2.241	0.390	1.851
100	C70_Unbiased	1.863	2.677	-0.814
100	C71_Unbiased	1.995	1.592	0.303
100	C72_Unbiased	2.147	0.673	1.474
100	C73_Unbiased	1.659	1.827	-0.168
100	C75_Unbiased	2.304	0.931	1.373
100	C76_Unbiased	2.178	0.878	1.300
100	C79_Unbiased	1.576	2.771	-1.195
	Max	6.804	9.173	2.370
	Average	1.857	1.810	0.046
	Min	0.333	0.028	-5.122
	Std Dev	0.766	1.574	1.378

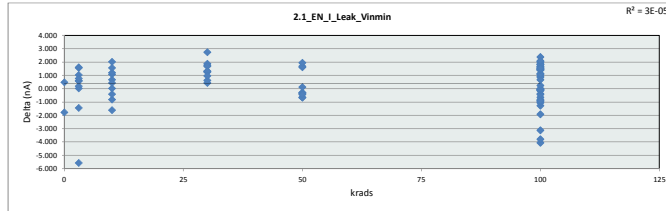


2.0_EN_I_Leak_Vinmax						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	0.028	0.302	0.359	0.506	0.280	0.113
Average	1.439	2.211	1.098	1.806	1.929	1.872
Max	2.850	9.173	3.448	3.133	7.285	5.508
UL	50.000	50.000	50.000	50.000	50.000	50.000

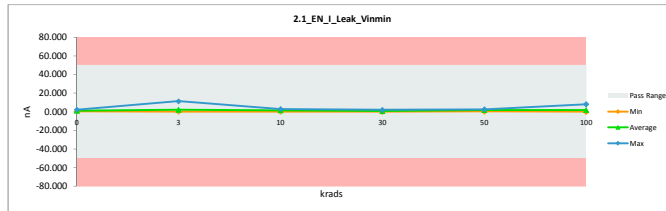


TID 100krad HDR Report
TPS7H3301-SP

2.1_EN_I_Leak_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.475	2.252	-1.777
3	A116_Biased	1.816	0.264	1.552
3	A117_Biased	1.470	0.868	0.602
3	B36_Biased	2.744	1.702	1.042
3	B37_Biased	1.879	1.859	0.020
3	C39_Biased	1.722	0.113	1.609
3	A118_Unbiased	5.781	11.359	-5.578
3	A140_Unbiased	0.475	1.926	-1.451
3	B38_Unbiased	2.162	1.969	0.193
3	B39_Unbiased	2.917	2.331	0.586
3	C40_Unbiased	1.895	1.114	0.781
10	A119_Biased	2.147	2.960	-0.813
10	A120_Biased	2.084	2.063	0.021
10	B40_Biased	1.895	2.299	-0.404
10	C41_Biased	2.272	0.249	2.023
10	C42_Biased	2.681	2.236	0.445
10	A121_Unbiased	2.084	2.021	0.063
10	A124_Unbiased	1.171	2.787	-1.616
10	B41_Unbiased	2.021	0.931	1.090
10	C43_Unbiased	2.257	1.051	1.206
10	C44_Unbiased	2.194	0.632	1.562
30	A125_Biased	2.005	1.295	0.710
30	B42_Biased	1.454	1.025	0.429
30	B43_Biased	2.854	0.107	2.747
30	C45_Biased	1.816	0.060	1.756
30	C46_Biased	2.304	0.437	1.867
30	A127_Unbiased	2.414	0.742	1.672
30	B45_Unbiased	2.445	1.198	1.247
30	B47_Unbiased	1.926	0.595	1.331
30	C47_Unbiased	2.744	2.126	0.618
30	C50_Unbiased	2.985	1.964	1.021
50	A128_Biased	1.958	2.315	-0.357
50	A129_Biased	1.926	2.236	-0.310
50	B48_Biased	1.895	2.174	-0.279
50	B49_Biased	1.974	2.614	-0.640
50	C51_Biased	2.665	2.551	0.115
50	A130_Unbiased	1.990	2.661	-0.671
50	A131_Unbiased	1.989	0.374	1.615
50	B50_Unbiased	1.942	2.362	-0.420
50	B51_Unbiased	2.005	0.333	1.672
50	C53_Unbiased	2.320	0.374	1.946
0	106_Corr	0.930	0.437	0.493
100	A132_Biased	2.524	0.506	2.018
100	A134_Biased	2.052	6.121	-4.069
100	A135_Biased	1.203	2.016	-0.813
100	B52_Biased	1.989	0.129	1.860
100	B54_Biased	2.367	2.472	-0.105
100	B55_Biased	2.304	1.371	0.933
100	B56_Biased	1.879	0.192	1.687
100	B57_Biased	2.382	3.275	-0.893
100	B59_Biased	2.367	2.488	-0.121
100	B62_Biased	2.241	0.642	1.599
100	B63_Biased	2.414	4.328	-1.914
100	B64_Biased	4.240	8.040	-3.800
100	B66_Biased	2.650	3.023	-0.373
100	B68_Biased	2.068	3.337	-1.269
100	C54_Biased	2.524	0.154	2.370
100	C55_Biased	2.587	3.573	-0.986
100	C56_Biased	2.209	0.390	1.819
100	C57_Biased	2.556	3.196	-0.640
100	C58_Biased	2.634	3.693	-1.059
100	C59_Biased	2.666	1.129	1.537
100	C65_Biased	2.650	2.677	-0.027
100	C67_Biased	2.272	0.249	2.023
100	A122_Unbiased	2.666	2.708	-0.042
100	A138_Unbiased	2.980	3.400	-0.420
100	A139_Unbiased	2.241	0.821	1.420
100	B60_Unbiased	1.958	0.831	1.127
100	B61_Unbiased	2.681	1.255	1.426
100	B69_Unbiased	1.958	1.098	0.860
100	B70_Unbiased	2.681	1.004	1.677
100	B71_Unbiased	3.027	2.647	0.380
100	B72_Unbiased	1.690	1.765	-0.075
100	B73_Unbiased	1.108	0.028	1.080
100	B74_Unbiased	1.690	4.800	-3.110
100	B77_Unbiased	1.722	1.875	-0.153
100	B78_Unbiased	2.445	1.334	1.111
100	B79_Unbiased	2.571	2.567	0.004
100	B80_Unbiased	2.115	0.585	1.530
100	C70_Unbiased	1.895	2.803	-0.908
100	C71_Unbiased	2.964	2.724	0.240
100	C72_Unbiased	2.147	0.736	1.411
100	C73_Unbiased	2.807	0.988	1.819
100	C75_Unbiased	2.430	1.019	1.411
100	C76_Unbiased	2.556	0.469	2.087
100	C79_Unbiased	2.697	1.530	1.167
	Max	5.781	11.359	2.747
	Average	2.241	1.853	0.388
	Min	0.475	0.028	-5.578
	Std Dev	0.679	1.728	1.482

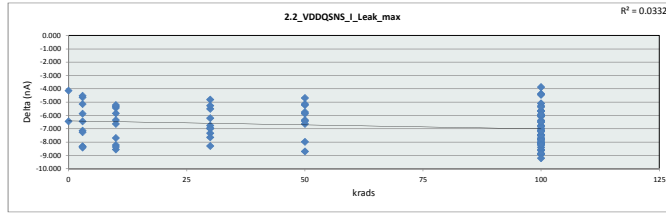


2.1_EN_I_Leak_Vinmin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	0.437	0.113	0.249	0.060	0.333	-0.028
Average	1.345	2.349	1.641	0.947	1.799	2.030
Max	2.252	11.359	2.960	2.126	2.661	8.040
UL	50.000	50.000	50.000	50.000	50.000	50.000

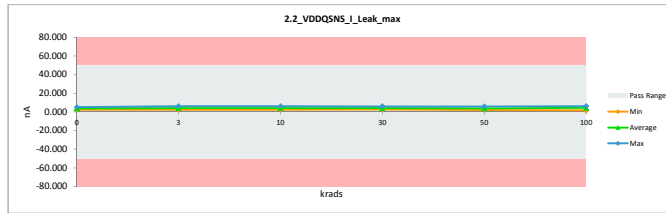


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2.2_VDDQSN5_I_Leak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	-1.844	2.290	-4.134
3	A116_Biased	-2.127	3.752	-5.879
3	A117_Biased	-3.118	4.019	-7.137
3	B36_Biased	-2.127	4.318	-6.445
3	B37_Biased	-3.086	5.230	-8.316
3	C39_Biased	-2.850	2.306	-5.156
3	A118_Unbiased	-2.803	5.844	-8.347
3	A140_Unbiased	-1.844	2.809	-4.653
3	B38_Unbiased	-2.205	5.057	-7.262
3	B39_Unbiased	-2.426	6.000	-8.426
3	C40_Unbiased	-1.624	2.903	-4.527
10	A119_Biased	-2.441	6.110	-8.551
10	A120_Biased	-2.190	4.444	-6.634
10	B40_Biased	-1.797	3.642	-5.439
10	C41_Biased	-2.772	2.541	-5.313
10	C42_Biased	-2.504	2.714	-5.218
10	A121_Unbiased	-2.866	5.371	-8.237
10	A124_Unbiased	-1.938	5.764	-7.702
10	B41_Unbiased	-2.709	3.139	-5.848
10	C43_Unbiased	-3.055	3.296	-6.351
10	C44_Unbiased	-2.709	5.670	-8.379
30	A125_Biased	-1.136	4.351	-5.517
30	B42_Biased	-2.646	4.680	-7.326
30	B43_Biased	-1.655	5.985	-7.640
30	C45_Biased	-3.589	3.170	-6.759
30	C46_Biased	-3.180	5.120	-8.300
30	A127_Unbiased	-1.970	2.840	-4.810
30	B45_Unbiased	-2.284	3.925	-6.209
30	B47_Unbiased	-2.724	4.239	-6.963
30	C47_Unbiased	-2.536	4.459	-6.995
30	C50_Unbiased	-2.363	2.919	-5.282
50	A128_Biased	-2.190	3.029	-5.219
50	A129_Biased	-2.630	3.123	-5.753
50	B48_Biased	-2.693	5.293	-7.986
50	B49_Biased	-2.866	5.843	-8.709
50	C51_Biased	-3.149	3.485	-6.634
50	A130_Unbiased	-1.624	3.532	-5.156
50	A131_Unbiased	-2.551	2.148	-4.699
50	B50_Unbiased	-2.457	3.893	-6.350
50	B51_Unbiased	-2.724	3.139	-5.863
50	C53_Unbiased	-3.086	3.343	-6.429
0	106_Corr	-1.404	5.041	-6.445
100	A132_Biased	-1.875	5.922	-7.797
100	A134_Biased	-2.803	1.582	-4.385
100	A135_Biased	-2.143	3.956	-6.099
100	B52_Biased	-2.190	4.963	-7.153
100	B54_Biased	-3.086	5.544	-8.630
100	B55_Biased	-3.306	5.623	-8.929
100	B56_Biased	-2.740	3.249	-5.989
100	B57_Biased	-2.174	4.192	-6.366
100	B59_Biased	-1.844	5.843	-7.687
100	B62_Biased	-2.567	3.092	-5.659
100	B63_Biased	-2.237	5.827	-8.064
100	B64_Biased	-2.268	5.183	-7.451
100	B66_Biased	-1.655	4.334	-5.989
100	B68_Biased	-2.347	2.950	-5.297
100	C54_Biased	-2.913	5.654	-8.567
100	C55_Biased	-2.551	5.230	-7.781
100	C56_Biased	-3.196	5.702	-8.898
100	C57_Biased	-3.070	5.780	-8.850
100	C58_Biased	-2.111	3.563	-5.674
100	C59_Biased	-2.599	2.510	-5.109
100	C65_Biased	-4.030	3.076	-7.106
100	C67_Biased	-2.221	6.016	-8.237
100	A122_Unbiased	-1.215	5.764	-6.979
100	A138_Unbiased	-2.410	5.686	-8.096
100	A139_Unbiased	-2.897	4.554	-7.451
100	B60_Unbiased	-1.812	2.070	-3.882
100	B61_Unbiased	-1.985	2.478	-4.463
100	B69_Unbiased	-1.812	4.947	-6.759
100	B70_Unbiased	-1.985	4.507	-6.492
100	B71_Unbiased	-1.954	3.736	-5.690
100	B72_Unbiased	-3.857	3.642	-7.499
100	B73_Unbiased	-2.410	5.371	-7.781
100	B74_Unbiased	-3.102	5.293	-8.395
100	B77_Unbiased	-3.369	3.469	-6.838
100	B78_Unbiased	-2.994	5.736	-8.730
100	B79_Unbiased	-3.149	4.066	-7.215
100	B80_Unbiased	-2.174	5.843	-8.017
100	C70_Unbiased	-2.174	5.874	-8.048
100	C71_Unbiased	-2.457	5.450	-7.907
100	C72_Unbiased	-2.709	2.651	-5.360
100	C73_Unbiased	-2.992	3.516	-6.508
100	C75_Unbiased	-3.731	5.481	-9.212
100	C76_Unbiased	-2.992	2.934	-5.926
100	C79_Unbiased	-3.275	4.531	-7.806
	Max	-1.136	6.110	-3.882
	Average	-2.503	4.276	-6.779
	Min	-4.030	1.582	-9.212
	Std Dev	0.581	1.231	1.339

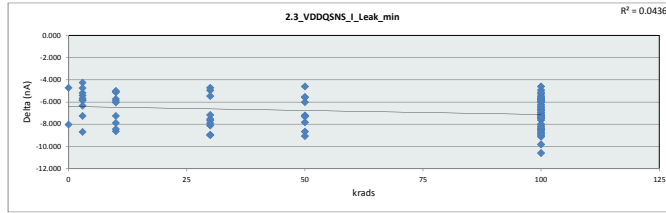


2.2_VDDQSN5_I_Leak_max						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	2.290	2.306	2.541	2.840	2.148	1.582
Average	3.666	4.194	4.269	4.172	3.683	4.482
Max	5.041	6.000	6.110	5.985	5.843	6.016
UL	50.000	50.000	50.000	50.000	50.000	50.000

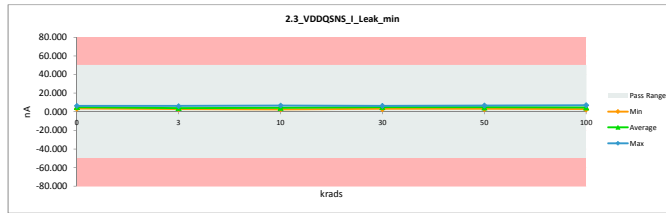


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2.3_VDDQSN5_I_Leak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50			
Min Limit	-50			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	-1.216	3.500	-4.716
3	A116_Biased	-2.504	6.173	-8.677
3	A117_Biased	-1.293	2.950	-4.243
3	B36_Biased	-1.891	3.956	-5.847
3	B37_Biased	-1.482	3.909	-5.391
3	C39_Biased	-2.268	4.051	-6.319
3	A118_Unbiased	-1.985	3.202	-5.187
3	A140_Unbiased	-1.216	3.552	-4.748
3	B38_Unbiased	-1.922	5.324	-7.246
3	B39_Unbiased	-1.702	3.972	-5.674
3	C40_Unbiased	-2.253	3.595	-5.848
10	A119_Biased	-2.331	3.390	-5.721
10	A120_Biased	-2.095	4.854	-6.946
10	B40_Biased	-1.624	4.271	-5.895
10	C41_Biased	-1.215	6.661	-7.876
10	C42_Biased	-2.127	5.120	-7.247
10	A121_Unbiased	-1.718	3.343	-5.061
10	A124_Unbiased	-1.073	4.035	-5.108
10	B41_Unbiased	-2.300	2.699	-4.999
10	C43_Unbiased	-3.196	2.840	-6.036
10	C44_Unbiased	-3.196	5.246	-8.442
30	A125_Biased	-1.076	3.076	-4.951
30	B42_Biased	-2.583	6.409	-8.992
30	B43_Biased	-2.111	5.434	-7.545
30	C45_Biased	-1.985	3.485	-5.470
30	C46_Biased	-2.712	5.340	-8.112
30	A127_Unbiased	-1.781	3.874	-5.655
30	B45_Unbiased	-1.262	3.453	-4.715
30	B47_Unbiased	-1.765	6.157	-7.922
30	C47_Unbiased	-2.787	6.157	-8.944
30	C50_Unbiased	-2.630	4.522	-7.152
50	A128_Biased	-1.513	3.092	-4.605
50	A129_Biased	-2.504	3.500	-6.004
50	B48_Biased	-2.300	3.280	-5.580
50	B49_Biased	-1.718	5.513	-7.231
50	C51_Biased	-2.504	5.324	-7.828
50	A130_Unbiased	-2.614	6.047	-8.661
50	A131_Unbiased	-1.435	5.796	-7.231
50	B50_Unbiased	-2.457	6.598	-9.055
50	B51_Unbiased	-1.846	5.466	-7.310
50	C53_Unbiased	-2.268	3.280	-5.548
0	106_Corr	-1.718	6.315	-8.033
100	A132_Biased	-1.639	6.739	-8.378
100	A134_Biased	-1.970	4.051	-6.021
100	A135_Biased	-1.749	5.119	-6.868
100	B52_Biased	-2.111	6.346	-8.457
100	B54_Biased	-2.158	4.790	-6.948
100	B55_Biased	-1.891	5.733	-7.624
100	B56_Biased	-2.913	4.239	-7.152
100	B57_Biased	-2.504	2.761	-5.265
100	B59_Biased	-2.300	4.334	-6.634
100	B62_Biased	-2.567	4.900	-7.467
100	B63_Biased	-2.127	3.327	-5.454
100	B64_Biased	-2.567	6.409	-8.976
100	B66_Biased	-1.624	4.129	-5.753
100	B68_Biased	-2.945	6.881	-9.826
100	C54_Biased	-2.567	3.878	-6.445
100	C55_Biased	-2.347	5.686	-8.033
100	C56_Biased	-2.080	3.721	-5.801
100	C57_Biased	-3.133	5.576	-8.709
100	C58_Biased	-2.630	4.790	-7.420
100	C59_Biased	-2.646	4.145	-6.791
100	C65_Biased	-2.174	6.393	-8.567
100	C67_Biased	-3.353	3.988	-7.341
100	A122_Unbiased	-1.765	5.198	-6.963
100	A138_Unbiased	-2.787	3.422	-6.209
100	A139_Unbiased	-2.143	5.025	-7.168
100	B60_Unbiased	-2.048	2.872	-4.920
100	B61_Unbiased	-0.963	6.456	-7.419
100	B69_Unbiased	-2.048	6.173	-8.221
100	B70_Unbiased	-0.963	4.585	-5.548
100	B71_Unbiased	-2.080	4.554	-6.634
100	B72_Unbiased	-2.347	6.771	-9.118
100	B73_Unbiased	-2.426	3.375	-5.801
100	B74_Unbiased	-2.567	3.846	-6.413
100	B77_Unbiased	-3.983	6.598	-10.581
100	B78_Unbiased	-2.190	3.793	-5.983
100	B79_Unbiased	-2.190	3.831	-6.021
100	B80_Unbiased	-1.844	2.746	-4.590
100	C70_Unbiased	-2.504	6.362	-8.866
100	C71_Unbiased	-2.190	3.793	-5.983
100	C72_Unbiased	-3.306	3.438	-6.744
100	C73_Unbiased	-1.152	7.054	-8.206
100	C75_Unbiased	-2.064	3.595	-5.659
100	C76_Unbiased	-1.765	3.359	-5.124
100	C79_Unbiased	-3.432	2.950	-6.382
	Max	-0.963	7.054	-4.243
	Average	-2.156	4.684	-6.840
	Min	-3.983	2.699	-10.581
	Std Dev	0.591	1.293	1.426

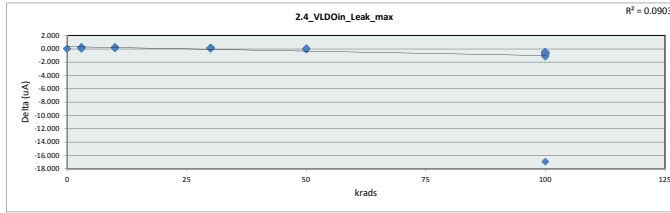


2.3_VDDQSN5_I_Leak_min						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	3.500	2.950	2.699	3.076	3.092	2.746
Average	4.908	4.066	4.416	4.991	4.790	4.782
Max	6.315	6.173	6.661	6.409	6.598	7.054
UL	50.000	50.000	50.000	50.000	50.000	50.000

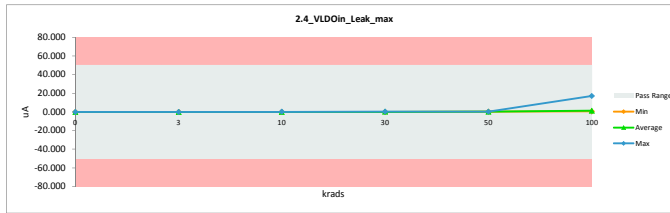


TID 100krad HDR Report
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2.4_VLDOin_Leak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50	50		
Min Limit	-50	-50		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.052	0.046	0.006
3	A116_Biased	0.227	0.025	0.202
3	A117_Biased	0.201	0.044	0.157
3	B36_Biased	0.202	0.047	0.155
3	B37_Biased	0.170	0.031	0.139
3	C39_Unbiased	0.315	0.060	0.255
3	A118_Unbiased	0.210	0.055	0.155
3	A140_Unbiased	0.052	0.041	0.011
3	B38_Unbiased	0.205	0.025	0.180
3	B39_Unbiased	0.171	0.033	0.138
3	C40_Unbiased	0.255	0.043	0.212
10	A119_Biased	0.211	0.056	0.155
10	A120_Biased	0.179	0.035	0.144
10	B40_Biased	0.198	0.028	0.170
10	C41_Biased	0.277	0.059	0.218
10	C42_Unbiased	0.257	0.079	0.178
10	A121_Unbiased	0.183	0.019	0.164
10	A124_Unbiased	0.187	0.062	0.125
10	B41_Unbiased	0.169	0.032	0.137
10	C43_Unbiased	0.267	0.088	0.179
10	C44_Unbiased	0.256	0.095	0.201
30	A125_Biased	0.170	0.075	0.095
30	B42_Biased	0.213	0.121	0.092
30	B43_Biased	0.199	0.077	0.122
30	C45_Biased	0.258	0.146	0.112
30	C46_Biased	0.272	0.133	0.139
30	A127_Unbiased	0.173	0.055	0.118
30	B45_Unbiased	0.168	0.119	0.049
30	B47_Unbiased	0.219	0.140	0.079
30	C47_Unbiased	0.237	0.122	0.115
30	C50_Unbiased	0.253	0.201	0.052
50	A128_Biased	0.215	0.191	0.024
50	A129_Biased	0.198	0.245	-0.047
50	B48_Biased	0.153	0.152	0.001
50	B49_Biased	0.182	0.189	-0.007
50	C51_Biased	0.237	0.173	0.064
50	A130_Unbiased	0.181	0.186	-0.005
50	A131_Unbiased	0.211	0.247	-0.036
50	B50_Unbiased	0.172	0.238	-0.066
50	B51_Unbiased	0.199	0.213	-0.014
50	C53_Unbiased	0.257	0.266	-0.009
0	106_Corr	0.079	0.049	0.030
100	A132_Biased	0.189	0.696	-0.507
100	A134_Biased	0.180	17.140	-16.960
100	A135_Biased	0.207	0.754	-0.547
100	B52_Biased	0.193	0.698	-0.505
100	B54_Biased	0.184	0.728	-0.544
100	B55_Biased	0.191	0.736	-0.545
100	B56_Biased	0.200	0.731	-0.531
100	B57_Biased	0.169	0.761	-0.592
100	B59_Biased	0.179	0.997	-0.818
100	B62_Biased	0.205	0.852	-0.647
100	B63_Biased	0.220	0.681	-0.461
100	B64_Biased	0.233	0.756	-0.523
100	B66_Biased	0.214	0.725	-0.511
100	B68_Biased	0.223	0.759	-0.536
100	C54_Biased	0.236	0.715	-0.479
100	C55_Biased	0.224	0.748	-0.524
100	C56_Biased	0.248	1.220	-0.972
100	C57_Biased	0.261	0.853	-0.592
100	C58_Biased	0.269	0.944	-0.675
100	C59_Biased	0.233	0.943	-0.710
100	C65_Biased	0.275	1.118	-0.843
100	C67_Biased	0.231	0.735	-0.504
100	A122_Unbiased	0.181	0.866	-0.685
100	A138_Unbiased	0.191	0.882	-0.691
100	A139_Unbiased	0.161	0.951	-0.790
100	B60_Unbiased	0.212	0.945	-0.733
100	B61_Unbiased	0.216	0.816	-0.600
100	B69_Unbiased	0.212	0.834	-0.622
100	B70_Unbiased	0.216	0.860	-0.644
100	B71_Unbiased	0.219	0.970	-0.751
100	B72_Unbiased	0.207	0.926	-0.719
100	B73_Unbiased	0.204	0.706	-0.502
100	B74_Unbiased	0.235	0.795	-0.560
100	B77_Unbiased	0.280	1.108	-0.828
100	B78_Unbiased	0.293	0.959	-0.756
100	B79_Unbiased	0.240	0.820	-0.580
100	B80_Unbiased	0.237	0.792	-0.555
100	C70_Unbiased	0.257	1.126	-0.869
100	C71_Unbiased	0.276	1.003	-0.727
100	C72_Unbiased	0.252	1.101	-0.849
100	C73_Unbiased	0.270	1.093	-0.823
100	C75_Unbiased	0.243	0.786	-0.543
100	C76_Unbiased	0.230	1.117	-0.887
100	C79_Unbiased	0.229	1.429	-1.199
	Max	0.315	17.140	0.255
	Average	0.212	0.692	-0.480
	Min	0.052	0.019	-16.960
	Std Dev	0.044	1.841	1.842

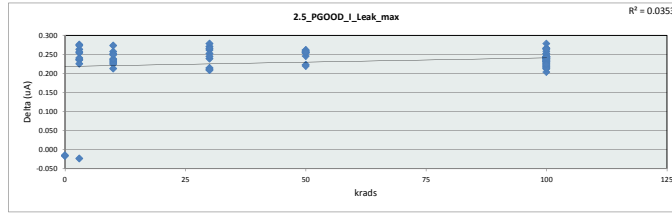


2.4_VLDOin_Leak_max						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	50	uA				
Min Limit	-50	uA				
Krads	LL	Min	Average	Max	UL	Pass Range
0	-50.000	0.046	0.048	0.049	50.000	-50.000 to 50.000
3	-50.000	0.025	0.040	0.051	50.000	-50.000 to 50.000
10	-50.000	0.019	0.051	0.119	50.000	-50.000 to 50.000
30	-50.000	0.055	0.119	0.201	50.000	-50.000 to 50.000
50	-50.000	0.152	0.210	0.266	50.000	-50.000 to 50.000
100	-50.000	0.681	1.254	17.140	50.000	-50.000 to 50.000

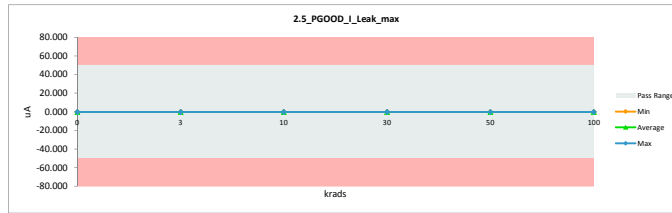


TID 100krad HDR Report
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2.5_PGOOD_I_Leak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50			
Min Limit	-50			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	-0.191	-0.174	-0.016
3	A116_Biased	0.084	-0.152	0.236
3	A117_Biased	0.082	-0.173	0.254
3	B36_Biased	0.085	-0.178	0.263
3	B37_Biased	0.085	-0.150	0.236
3	C39_Biased	0.067	-0.174	0.240
3	A118_Unbiased	0.105	-0.171	0.276
3	A140_Unbiased	-0.191	-0.167	-0.023
3	B38_Unbiased	0.086	-0.170	0.256
3	B39_Unbiased	0.090	-0.184	0.274
3	C40_Unbiased	0.037	-0.189	0.226
10	A119_Biased	0.083	-0.174	0.257
10	A120_Biased	0.084	-0.149	0.232
10	B40_Biased	0.082	-0.154	0.236
10	C41_Biased	0.055	-0.169	0.225
10	C42_Biased	0.056	-0.172	0.228
10	A121_Unbiased	0.086	-0.165	0.251
10	A124_Unbiased	0.091	-0.147	0.238
10	B41_Unbiased	0.099	-0.175	0.273
10	C43_Unbiased	0.066	-0.147	0.213
10	C44_Unbiased	0.080	-0.170	0.249
30	A125_Biased	0.091	-0.171	0.262
30	B42_Biased	0.094	-0.145	0.239
30	B43_Biased	0.093	-0.178	0.271
30	C45_Biased	0.049	-0.163	0.212
30	C46_Biased	0.062	-0.152	0.215
30	A127_Unbiased	0.109	-0.170	0.279
30	B45_Unbiased	0.077	-0.189	0.266
30	B47_Unbiased	0.076	-0.176	0.252
30	C47_Unbiased	0.069	-0.140	0.209
30	C50_Unbiased	0.078	-0.167	0.245
50	A128_Biased	0.080	-0.176	0.255
50	A129_Biased	0.083	-0.163	0.246
50	B48_Biased	0.096	-0.161	0.257
50	B49_Biased	0.088	-0.169	0.257
50	C51_Biased	0.063	-0.160	0.223
50	A130_Unbiased	0.101	-0.160	0.261
50	A131_Unbiased	0.092	-0.162	0.253
50	B50_Unbiased	0.095	-0.166	0.261
50	B51_Unbiased	0.080	-0.175	0.256
50	C53_Unbiased	0.052	-0.168	0.220
0	106_Corr	-0.188	-0.173	-0.015
100	A132_Biased	0.080	-0.165	0.245
100	A134_Biased	0.075	-0.153	0.229
100	A135_Biased	0.077	-0.154	0.231
100	B52_Biased	0.094	-0.172	0.266
100	B54_Biased	0.075	-0.171	0.245
100	B55_Biased	0.091	-0.175	0.266
100	B56_Biased	0.090	-0.169	0.259
100	B57_Biased	0.084	-0.183	0.267
100	B59_Biased	0.077	-0.168	0.245
100	B62_Biased	0.066	-0.153	0.219
100	B63_Biased	0.063	-0.159	0.222
100	B64_Biased	0.056	-0.186	0.243
100	B66_Biased	0.077	-0.166	0.243
100	B68_Biased	0.072	-0.172	0.243
100	C54_Biased	0.073	-0.178	0.251
100	C55_Biased	0.049	-0.183	0.231
100	C56_Biased	0.056	-0.156	0.212
100	C57_Biased	0.066	-0.178	0.244
100	C58_Biased	0.070	-0.152	0.222
100	C59_Biased	0.061	-0.169	0.230
100	C65_Biased	0.062	-0.190	0.252
100	C67_Biased	0.069	-0.170	0.239
100	A122_Unbiased	0.109	-0.170	0.279
100	A138_Unbiased	0.087	-0.158	0.245
100	A139_Unbiased	0.069	-0.169	0.237
100	B60_Unbiased	0.074	-0.152	0.225
100	B61_Unbiased	0.069	-0.171	0.240
100	B69_Unbiased	0.074	-0.161	0.234
100	B70_Unbiased	0.069	-0.163	0.231
100	B71_Unbiased	0.073	-0.161	0.234
100	B72_Unbiased	0.066	-0.174	0.240
100	B73_Unbiased	0.064	-0.174	0.238
100	B74_Unbiased	0.057	-0.168	0.225
100	B77_Unbiased	0.054	-0.149	0.204
100	B78_Unbiased	0.067	-0.167	0.234
100	B79_Unbiased	0.064	-0.175	0.239
100	B80_Unbiased	0.048	-0.167	0.215
100	C70_Unbiased	0.079	-0.158	0.237
100	C71_Unbiased	0.068	-0.151	0.219
100	C72_Unbiased	0.043	-0.173	0.216
100	C73_Unbiased	0.064	-0.149	0.214
100	C75_Unbiased	0.078	-0.185	0.263
100	C76_Unbiased	0.073	-0.169	0.242
100	C79_Unbiased	0.054	-0.170	0.224
	Max	0.109	-0.140	0.279
	Average	0.066	-0.167	0.232
	Min	-0.191	-0.190	-0.023
	Std Dev	0.051	0.011	0.051

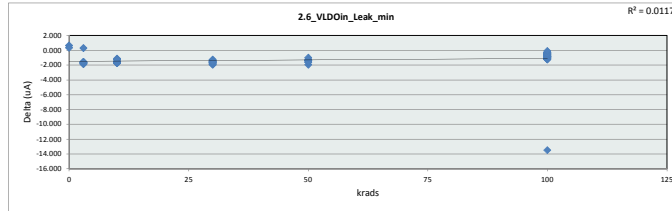


2.5_PGOOD_I_Leak_max						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	50	uA				
Min Limit	-50	uA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	-0.174	-0.189	-0.175	-0.189	-0.176	-0.190
Average	-0.174	-0.171	-0.162	-0.165	-0.166	-0.167
Max	-0.173	-0.151	-0.147	-0.140	-0.160	-0.149
UL	50.000	50.000	50.000	50.000	50.000	50.000

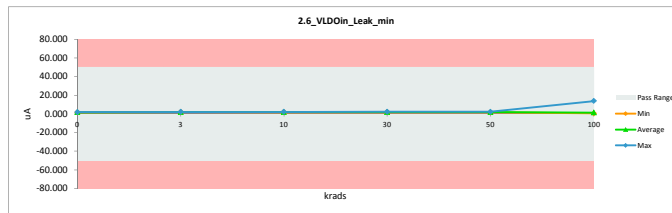


TID 100krad HDR Report
TPS7H3301-SP

2.6_VLDOin_Leak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50			
Min Limit	-50			
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.272	1.632	0.640
3	A116_Biased	0.291	1.968	-1.677
3	A117_Biased	0.350	2.047	-1.697
3	B36_Biased	0.162	2.042	-1.880
3	B37_Biased	0.234	2.001	-1.767
3	C39_Unbiased	0.469	2.071	-1.602
3	A118_Unbiased	0.337	1.979	-1.642
3	A140_Unbiased	2.272	1.963	0.309
3	B38_Unbiased	0.355	2.192	-1.837
3	B39_Unbiased	0.433	2.033	-1.600
3	C40_Unbiased	0.576	2.160	-1.584
10	A119_Biased	0.189	1.812	-1.623
10	A120_Biased	0.288	1.915	-1.627
10	B40_Biased	0.393	1.951	-1.558
10	C41_Biased	0.663	1.819	-1.156
10	C42_Unbiased	0.582	1.884	-1.302
10	A121_Unbiased	0.291	2.013	-1.722
10	A124_Unbiased	0.330	2.081	-1.751
10	B41_Unbiased	0.281	1.888	-1.607
10	C43_Unbiased	0.569	2.167	-1.598
10	C44_Unbiased	0.643	1.914	-1.271
30	A125_Biased	0.237	1.979	-1.742
30	B42_Biased	0.270	1.883	-1.613
30	B43_Biased	0.285	2.222	-1.937
30	C45_Biased	0.630	1.894	-1.264
30	C46_Biased	0.471	1.943	-1.472
30	A127_Unbiased	0.260	2.234	-1.874
30	B45_Unbiased	0.313	2.028	-1.715
30	B47_Unbiased	0.423	1.842	-1.419
30	C47_Unbiased	0.597	2.093	-1.496
30	C50_Unbiased	0.527	2.139	-1.612
50	A128_Biased	0.341	1.688	-1.347
50	A129_Biased	0.286	1.682	-1.396
50	B48_Biased	0.331	2.282	-1.951
50	B49_Biased	0.326	1.940	-1.614
50	C51_Biased	0.591	1.980	-1.389
50	A130_Unbiased	0.408	1.636	-1.228
50	A131_Unbiased	0.451	1.858	-1.407
50	B50_Unbiased	0.370	1.826	-1.456
50	B51_Unbiased	0.311	1.915	-1.604
50	C53_Unbiased	0.738	1.753	-1.015
0	106_Corr	2.272	1.947	0.325
100	A132_Biased	0.461	1.226	-0.765
100	A134_Biased	0.386	13.870	-13.484
100	A135_Biased	0.345	1.288	-0.943
100	B52_Biased	0.222	1.475	-1.253
100	B54_Biased	0.290	1.443	-1.153
100	B55_Biased	0.278	1.299	-1.021
100	B56_Biased	0.507	1.392	-0.885
100	B57_Biased	0.325	1.513	-1.188
100	B59_Biased	0.398	1.188	-0.790
100	B62_Biased	0.088	1.135	-1.047
100	B63_Biased	0.134	1.358	-1.224
100	B64_Biased	0.254	1.428	-1.174
100	B66_Biased	0.238	1.398	-1.160
100	B68_Biased	0.362	1.299	-0.937
100	C54_Biased	0.682	1.436	-0.754
100	C55_Biased	0.580	1.205	-0.625
100	C56_Biased	0.596	0.966	-0.370
100	C57_Biased	0.620	1.217	-0.597
100	C58_Biased	0.640	1.120	-0.480
100	C59_Biased	0.560	1.053	-0.493
100	C65_Biased	0.686	0.975	-0.289
100	C67_Biased	0.656	1.182	-0.526
100	A122_Unbiased	0.354	1.124	-0.770
100	A138_Unbiased	0.233	1.154	-0.921
100	A139_Unbiased	0.377	1.072	-0.695
100	B60_Unbiased	0.203	1.260	-1.057
100	B61_Unbiased	0.359	1.192	-0.833
100	B69_Unbiased	0.203	1.112	-0.909
100	B70_Unbiased	0.359	1.170	-0.811
100	B71_Unbiased	0.569	1.099	-0.530
100	B72_Unbiased	0.489	1.446	-0.957
100	B73_Unbiased	0.355	1.503	-1.148
100	B74_Unbiased	0.436	1.331	-0.895
100	B77_Unbiased	0.599	0.936	-0.337
100	B78_Unbiased	0.286	1.062	-0.776
100	B79_Unbiased	0.604	1.088	-0.484
100	B80_Unbiased	0.631	1.455	-0.824
100	C70_Unbiased	0.576	1.134	-0.558
100	C71_Unbiased	0.642	1.116	-0.474
100	C72_Unbiased	0.576	0.885	-0.309
100	C73_Unbiased	0.834	1.087	-0.253
100	C75_Unbiased	0.467	1.269	-0.802
100	C76_Unbiased	0.540	1.043	-0.503
100	C79_Unbiased	0.474	0.586	-0.112
	Max	2.272	13.870	0.640
	Average	0.488	1.720	-1.231
	Min	0.088	0.586	-13.484
	Std Dev	0.376	1.389	1.447

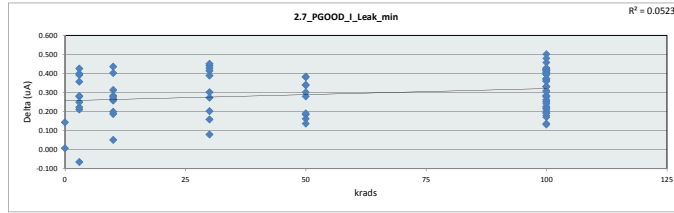


2.6_VLDOin_Leak_min						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50 uA					
Min Limit	-50 uA					
Krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	1.632	1.963	1.812	1.842	1.636	0.586
Average	1.790	2.046	1.944	2.026	1.856	1.491
Max	1.947	2.192	2.167	2.234	2.282	13.870
UL	50.000	50.000	50.000	50.000	50.000	50.000

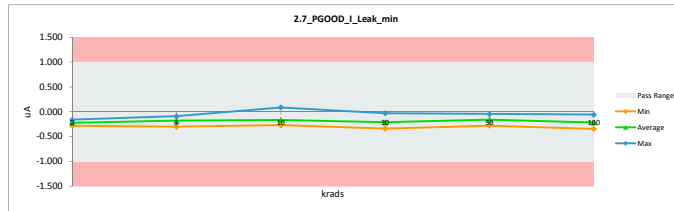


TID 100krad HDR Report
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2.7_PG000_I_Leak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	1			
Min Limit	-1	-1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	-0.154	-0.162	0.007
3	A116_Biased	0.072	-0.138	0.210
3	A117_Biased	0.125	-0.301	0.426
3	B36_Biased	0.102	-0.121	0.223
3	B37_Biased	0.111	-0.288	0.399
3	C39_Biased	0.111	-0.168	0.279
3	A118_Unbiased	0.189	-0.204	0.393
3	A140_Unbiased	-0.154	-0.090	-0.065
3	B38_Unbiased	0.158	-0.124	0.282
3	B39_Unbiased	0.127	-0.230	0.357
3	C40_Unbiased	0.121	-0.129	0.250
10	A119_Biased	0.093	-0.191	0.284
10	A120_Biased	0.146	-0.271	0.437
10	B40_Biased	0.080	-0.177	0.257
10	C41_Biased	0.075	-0.112	0.187
10	C42_Biased	0.055	-0.258	0.314
10	A121_Unbiased	0.140	-0.040	0.199
10	A124_Unbiased	0.157	-0.246	0.403
10	B41_Unbiased	0.058	-0.208	0.267
10	C43_Unbiased	0.138	0.087	0.051
10	C44_Unbiased	0.085	-0.193	0.278
30	A125_Biased	0.049	-0.340	0.389
30	B42_Biased	0.111	-0.330	0.442
30	B43_Biased	0.124	-0.304	0.428
30	C45_Biased	0.086	-0.215	0.301
30	C46_Biased	0.052	-0.027	0.079
30	A127_Unbiased	0.136	-0.273	0.413
30	B45_Unbiased	0.093	-0.066	0.159
30	B47_Unbiased	0.146	-0.305	0.451
30	C47_Unbiased	0.102	-0.101	0.203
30	C50_Unbiased	0.116	-0.157	0.273
50	A128_Biased	0.144	-0.194	0.338
50	A129_Biased	0.118	-0.044	0.162
50	B48_Biased	0.080	-0.221	0.301
50	B49_Biased	0.102	-0.282	0.384
50	C51_Biased	0.115	-0.069	0.184
50	A130_Unbiased	0.077	-0.113	0.190
50	A131_Unbiased	0.157	-0.224	0.381
50	B50_Unbiased	0.097	-0.243	0.340
50	B51_Unbiased	0.166	-0.113	0.279
50	C53_Unbiased	0.072	-0.065	0.137
0	106_Corr	-0.139	-0.282	0.143
100	A132_Biased	0.121	-0.301	0.421
100	A134_Biased	0.150	-0.218	0.368
100	A135_Biased	0.113	-0.301	0.414
100	B52_Biased	0.121	-0.076	0.196
100	B54_Biased	0.129	-0.294	0.423
100	B55_Biased	0.101	-0.307	0.407
100	B56_Biased	0.115	-0.304	0.418
100	B57_Biased	0.180	-0.321	0.501
100	B59_Biased	0.102	-0.122	0.224
100	B62_Biased	0.115	-0.149	0.264
100	B63_Biased	0.082	-0.196	0.278
100	B64_Biased	0.082	-0.088	0.170
100	B66_Biased	0.138	-0.146	0.284
100	B68_Biased	0.093	-0.333	0.426
100	C54_Biased	0.063	-0.219	0.282
100	C55_Biased	0.090	-0.315	0.404
100	C56_Biased	0.080	-0.057	0.137
100	C57_Biased	0.054	-0.125	0.179
100	C58_Biased	0.110	-0.174	0.284
100	C59_Biased	0.132	-0.071	0.203
100	C65_Biased	0.086	-0.132	0.218
100	C67_Biased	0.147	-0.104	0.251
100	A122_Unbiased	0.088	-0.102	0.190
100	A138_Unbiased	0.065	-0.308	0.373
100	A139_Unbiased	0.074	-0.058	0.132
100	B60_Unbiased	0.116	-0.245	0.359
100	B61_Unbiased	0.113	-0.344	0.457
100	B69_Unbiased	0.116	-0.215	0.331
100	B70_Unbiased	0.113	-0.280	0.393
100	B71_Unbiased	0.102	-0.230	0.332
100	B72_Unbiased	0.094	-0.335	0.429
100	B73_Unbiased	0.125	-0.088	0.213
100	B74_Unbiased	0.147	-0.107	0.254
100	B77_Unbiased	0.125	-0.185	0.310
100	B78_Unbiased	0.038	-0.324	0.332
100	B79_Unbiased	0.101	-0.296	0.396
100	B80_Unbiased	0.091	-0.322	0.413
100	C70_Unbiased	0.104	-0.258	0.362
100	C71_Unbiased	0.136	-0.090	0.226
100	C72_Unbiased	0.058	-0.316	0.374
100	C73_Unbiased	0.091	-0.307	0.398
100	C75_Unbiased	0.085	-0.218	0.303
100	C76_Unbiased	0.135	-0.344	0.479
100	C78_Unbiased	0.097	-0.144	0.242
	Max	0.189	0.087	0.501
	Average	0.098	-0.198	0.296
	Min	-0.154	-0.344	-0.065
	Std Dev	0.057	0.097	0.113

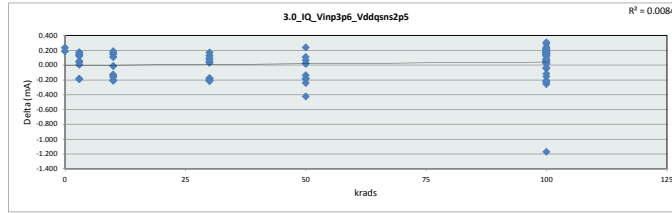


2.7_PG000_I_Leak_min						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1	uA				
Min Limit	-1	uA				
krads	0	3	10	30	50	100
LL	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Min	-0.282	-0.301	-0.271	-0.340	-0.282	-0.344
Average	-0.222	-0.179	-0.163	-0.212	-0.157	-0.215
Max	-0.162	-0.090	0.087	-0.027	-0.044	-0.057
UL	1.000	1.000	1.000	1.000	1.000	1.000

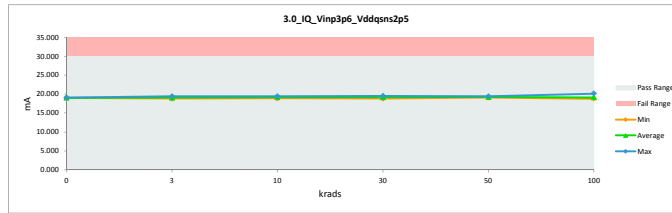


TID 100krad HDR Report
TPS7H3301-SP

3.0_IQ_Vinp3p6_Vddqns2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	19.306	19.071	0.235
3	A116_Biased	19.492	19.367	0.125
3	A117_Biased	19.015	18.976	0.039
3	B36_Biased	19.222	19.096	0.126
3	B37_Biased	19.206	19.393	-0.187
3	C39_Biased	19.171	19.000	0.171
3	A118_Unbiased	18.935	18.882	0.053
3	A140_Unbiased	19.306	19.141	0.165
3	B38_Unbiased	19.059	19.055	0.004
3	B39_Unbiased	19.043	19.235	-0.192
3	C40_Unbiased	19.004	18.863	0.141
10	A119_Biased	19.280	19.291	-0.011
10	A120_Biased	19.210	19.411	-0.201
10	B40_Biased	19.042	19.203	-0.161
10	C41_Biased	19.335	19.227	0.108
10	C42_Biased	19.180	19.031	0.149
10	A121_Unbiased	18.978	19.189	-0.211
10	A124_Unbiased	18.781	18.920	-0.139
10	B41_Unbiased	18.917	19.048	-0.131
10	C43_Unbiased	19.483	19.322	0.161
10	C44_Unbiased	19.446	19.260	0.186
30	A125_Biased	19.261	19.447	-0.186
30	B42_Biased	19.372	19.341	0.031
30	B43_Biased	18.963	19.140	-0.177
30	C45_Biased	19.254	19.171	0.083
30	C46_Biased	19.136	18.968	0.168
30	A127_Unbiased	19.053	19.261	-0.208
30	B45_Unbiased	19.260	19.476	-0.216
30	B47_Unbiased	18.895	18.848	0.047
30	C47_Unbiased	19.063	18.937	0.126
30	C50_Unbiased	19.305	19.210	0.095
50	A128_Biased	19.157	19.091	0.066
50	A129_Biased	19.210	19.190	0.020
50	B48_Biased	19.030	19.272	-0.242
50	B49_Biased	19.193	19.380	-0.187
50	C51_Biased	19.319	19.209	0.110
50	A130_Unbiased	19.227	19.413	-0.186
50	A131_Unbiased	19.193	19.175	0.018
50	B50_Unbiased	19.249	19.389	-0.140
50	B51_Unbiased	18.925	19.249	-0.424
50	C53_Unbiased	19.310	19.071	0.239
0	106_Corr	19.189	19.002	0.187
100	A132_Biased	18.840	19.100	-0.260
100	A134_Biased	18.970	20.140	-1.170
100	A135_Biased	19.046	19.030	0.016
100	B52_Biased	18.924	18.970	-0.046
100	B54_Biased	19.029	19.062	-0.033
100	B55_Biased	18.795	18.952	-0.157
100	B56_Biased	19.381	19.350	0.031
100	B57_Biased	18.778	18.990	-0.212
100	B59_Biased	18.987	19.224	-0.237
100	B62_Biased	19.650	19.472	0.178
100	B63_Biased	19.239	19.108	0.131
100	B64_Biased	19.393	19.328	0.065
100	B66_Biased	19.330	19.169	0.161
100	B68_Biased	19.231	19.109	0.122
100	C54_Biased	19.309	19.179	0.130
100	C55_Biased	19.023	18.891	0.132
100	C56_Biased	19.210	19.161	0.049
100	C57_Biased	19.001	18.958	0.043
100	C58_Biased	19.478	19.299	0.179
100	C59_Biased	19.155	19.029	0.126
100	C65_Biased	19.182	19.001	0.181
100	C67_Biased	19.099	18.890	0.209
100	A122_Unbiased	19.095	19.312	-0.217
100	A138_Unbiased	18.785	18.902	-0.117
100	A139_Unbiased	18.901	19.119	-0.218
100	B60_Unbiased	19.454	19.243	0.211
100	B61_Unbiased	19.264	19.104	0.160
100	B69_Unbiased	19.454	19.167	0.287
100	B70_Unbiased	19.264	19.118	0.146
100	B71_Unbiased	19.097	18.936	0.161
100	B72_Unbiased	19.370	19.192	0.178
100	B73_Unbiased	19.328	19.186	0.142
100	B74_Unbiased	19.326	19.018	0.308
100	B77_Unbiased	19.242	19.215	0.027
100	B78_Unbiased	19.366	19.300	0.066
100	B79_Unbiased	19.126	19.044	0.082
100	B80_Unbiased	19.299	19.127	0.172
100	C70_Unbiased	19.201	18.958	0.243
100	C71_Unbiased	19.151	18.925	0.226
100	C72_Unbiased	19.147	18.957	0.190
100	C73_Unbiased	19.262	19.059	0.203
100	C75_Unbiased	19.012	18.785	0.227
100	C76_Unbiased	19.235	19.074	0.161
100	C79_Unbiased	19.299	19.216	0.083
	Max	19.650	20.140	0.308
	Average	19.172	19.149	0.023
	Min	18.778	18.785	-1.170
	Std Dev	0.184	0.196	0.208

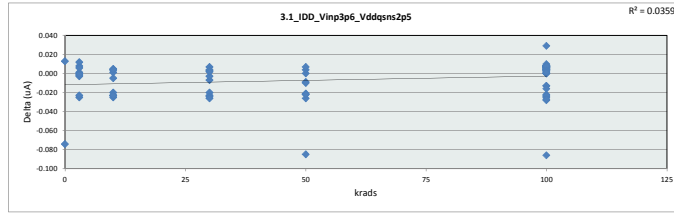


3.0_IQ_Vinp3p6_Vddqns2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	19.002	18.863	18.920	18.848	19.071	18.785
Average	19.037	19.101	19.190	19.190	19.254	19.122
Max	19.071	19.393	19.411	19.476	19.413	20.140
UL	30.000	30.000	30.000	30.000	30.000	30.000

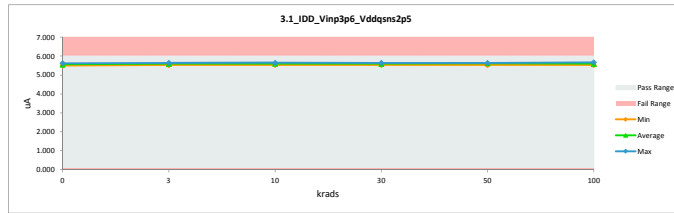


TID 100krad HDR Report
TPS7H3301-SP

3.1_IDD_Vinp3p6_Vddqsns2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.548	5.622	-0.074
3	A116_Biased	5.629	5.629	0.000
3	A117_Biased	5.611	5.614	-0.003
3	B36_Biased	5.626	5.625	0.001
3	B37_Biased	5.599	5.624	-0.025
3	C39_Biased	5.615	5.607	0.008
3	A118_Unbiased	5.582	5.584	-0.002
3	A140_Unbiased	5.548	5.536	0.012
3	B38_Unbiased	5.580	5.581	-0.001
3	B39_Unbiased	5.614	5.637	-0.023
3	C40_Unbiased	5.534	5.528	0.006
10	A119_Biased	5.636	5.641	-0.005
10	A120_Biased	5.623	5.644	-0.023
10	B40_Biased	5.573	5.593	-0.020
10	C41_Biased	5.582	5.577	0.005
10	C42_Biased	5.535	5.531	0.004
10	A121_Unbiased	5.601	5.624	-0.023
10	A124_Unbiased	5.563	5.588	-0.025
10	B41_Unbiased	5.611	5.634	-0.023
10	C43_Unbiased	5.596	5.595	0.001
10	C44_Unbiased	5.572	5.568	0.004
30	A125_Biased	5.614	5.637	-0.023
30	B42_Biased	5.627	5.634	-0.007
30	B43_Biased	5.600	5.620	-0.020
30	C45_Biased	5.591	5.588	0.003
30	C46_Biased	5.588	5.551	0.007
30	A127_Unbiased	5.592	5.616	-0.024
30	B45_Unbiased	5.603	5.629	-0.026
30	B47_Unbiased	5.544	5.547	-0.003
30	C47_Unbiased	5.538	5.534	0.004
30	C50_Unbiased	5.578	5.576	0.002
50	A128_Biased	5.622	5.622	0.000
50	A129_Biased	5.617	5.626	-0.009
50	B48_Biased	5.605	5.626	-0.021
50	B49_Biased	5.601	5.627	-0.026
50	C51_Biased	5.638	5.634	0.004
50	A130_Unbiased	5.602	5.624	-0.022
50	A131_Unbiased	5.619	5.629	-0.010
50	B50_Unbiased	5.615	5.637	-0.022
50	B51_Unbiased	5.635	5.635	-0.005
50	C53_Unbiased	5.535	5.528	0.007
0	106_Corr	5.512	5.499	0.013
100	A132_Biased	5.585	5.607	-0.022
100	A134_Biased	5.586	5.672	-0.086
100	A135_Biased	5.553	5.566	-0.013
100	B52_Biased	5.551	5.551	0.000
100	B54_Biased	5.619	5.632	-0.013
100	B55_Biased	5.586	5.610	-0.024
100	B56_Biased	5.609	5.606	0.003
100	B57_Biased	5.536	5.561	-0.025
100	B59_Biased	5.606	5.634	-0.028
100	B62_Biased	5.626	5.619	0.007
100	B63_Biased	5.604	5.598	0.006
100	B64_Biased	5.635	5.629	0.006
100	B66_Biased	5.640	5.632	0.008
100	B68_Biased	5.638	5.630	0.008
100	C54_Biased	5.628	5.620	0.008
100	C55_Biased	5.544	5.540	0.004
100	C56_Biased	5.618	5.618	0.000
100	C57_Biased	5.549	5.542	0.007
100	C58_Biased	5.568	5.563	0.005
100	C59_Biased	5.576	5.572	0.004
100	C65_Biased	5.569	5.569	0.000
100	C67_Biased	5.534	5.529	0.005
100	A122_Unbiased	5.593	5.616	-0.023
100	A138_Unbiased	5.515	5.531	-0.016
100	A139_Unbiased	5.596	5.623	-0.027
100	B60_Unbiased	5.629	5.623	0.006
100	B61_Unbiased	5.631	5.602	0.029
100	B69_Unbiased	5.629	5.623	0.006
100	B70_Unbiased	5.631	5.627	0.004
100	B71_Unbiased	5.563	5.563	0.007
100	B72_Unbiased	5.612	5.604	0.008
100	B73_Unbiased	5.613	5.605	0.008
100	B74_Unbiased	5.587	5.579	0.008
100	B77_Unbiased	5.571	5.571	0.000
100	B78_Unbiased	5.635	5.633	0.002
100	B79_Unbiased	5.633	5.627	0.006
100	B80_Unbiased	5.592	5.585	0.007
100	C70_Unbiased	5.576	5.572	0.004
100	C71_Unbiased	5.559	5.549	0.010
100	C72_Unbiased	5.587	5.583	0.004
100	C73_Unbiased	5.610	5.602	0.008
100	C75_Unbiased	5.557	5.549	0.008
100	C76_Unbiased	5.599	5.596	0.003
100	C78_Unbiased	5.614	5.613	0.001
	Max	5.640	5.672	0.029
	Average	5.591	5.597	-0.006
	Min	5.512	5.499	-0.086
	Std Dev	0.033	0.037	0.019

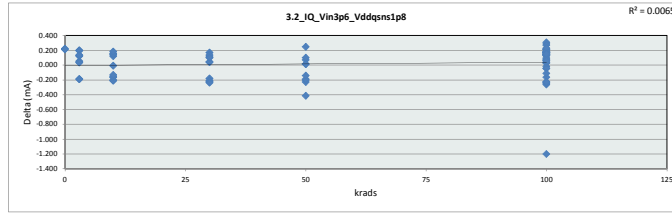


3.1_IDD_Vinp3p6_Vddqsns2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.499	5.528	5.531	5.534	5.528	5.529
Average	5.561	5.597	5.600	5.593	5.619	5.595
Max	5.622	5.637	5.646	5.637	5.637	5.672
UL	6.000	6.000	6.000	6.000	6.000	6.000

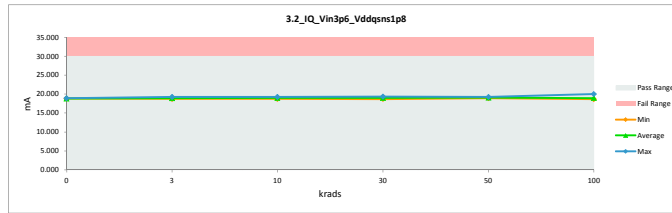


TID 100krad HDR Report
TPS7H3301-SP

3.2_IQ_Vin3p6_Vddqns1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	19.134	18.914	0.220
3	A116_Biased	19.333	19.210	0.123
3	A117_Biased	18.862	18.925	0.037
3	B36_Biased	19.066	18.936	0.130
3	B37_Biased	19.047	19.237	-0.190
3	C39_Biased	19.013	18.814	0.199
3	A118_Unbiased	18.785	18.735	0.050
3	A140_Unbiased	19.134	18.938	0.196
3	B38_Unbiased	18.906	18.872	0.034
3	B39_Unbiased	18.856	19.047	-0.191
3	C40_Unbiased	18.853	18.721	0.132
10	A119_Biased	19.126	19.134	-0.008
10	A120_Biased	19.062	19.062	-0.002
10	B40_Biased	18.886	19.052	-0.166
10	C41_Biased	19.174	19.054	0.120
10	C42_Biased	19.034	18.883	0.151
10	A121_Unbiased	18.821	19.034	-0.213
10	A124_Unbiased	18.610	18.772	-0.162
10	B41_Unbiased	18.750	18.885	-0.135
10	C43_Unbiased	19.305	19.156	0.149
10	C44_Unbiased	19.291	19.109	0.182
30	A125_Biased	19.065	19.290	-0.225
30	B42_Biased	19.200	19.160	0.040
30	B43_Biased	18.804	18.987	-0.183
30	C45_Biased	19.111	19.001	0.110
30	C46_Biased	18.992	18.822	0.170
30	A127_Unbiased	18.897	19.107	-0.210
30	B45_Unbiased	19.082	19.321	-0.239
30	B47_Unbiased	18.745	18.703	0.042
30	C47_Unbiased	18.905	18.769	0.136
30	C50_Unbiased	19.171	19.073	0.098
50	A128_Biased	19.011	18.943	0.068
50	A129_Biased	19.058	19.044	0.014
50	B48_Biased	18.866	19.096	-0.230
50	B49_Biased	19.034	19.235	-0.201
50	C51_Biased	19.147	19.047	0.100
50	A130_Unbiased	19.064	19.253	-0.189
50	A131_Unbiased	19.047	19.032	0.015
50	B50_Unbiased	19.097	19.239	-0.142
50	B51_Unbiased	18.773	19.190	-0.417
50	C53_Unbiased	19.167	18.919	0.248
0	106_Corr	19.025	18.812	0.213
100	A132_Biased	18.683	18.946	-0.263
100	A134_Biased	18.803	20.003	-1.200
100	A135_Biased	18.832	18.850	-0.018
100	B52_Biased	18.772	18.818	-0.046
100	B54_Biased	18.868	18.910	-0.042
100	B55_Biased	18.636	18.802	-0.166
100	B56_Biased	19.223	19.195	0.028
100	B57_Biased	18.615	18.852	-0.237
100	B59_Biased	18.820	19.067	-0.247
100	B62_Biased	19.495	19.318	0.177
100	B63_Biased	19.083	18.950	0.133
100	B64_Biased	19.234	19.166	0.068
100	B66_Biased	19.173	19.010	0.163
100	B68_Biased	19.055	18.904	0.151
100	C54_Biased	19.153	19.024	0.129
100	C55_Biased	18.856	18.732	0.124
100	C56_Biased	19.049	18.955	0.094
100	C57_Biased	18.858	18.817	0.041
100	C58_Biased	19.292	19.121	0.171
100	C59_Biased	18.995	18.852	0.143
100	C65_Biased	19.031	18.852	0.179
100	C67_Biased	18.957	18.749	0.208
100	A122_Unbiased	18.932	19.156	-0.224
100	A138_Unbiased	18.640	18.753	-0.113
100	A139_Unbiased	18.741	18.868	-0.227
100	B60_Unbiased	19.303	19.083	0.220
100	B61_Unbiased	19.108	18.940	0.168
100	B69_Unbiased	19.303	19.016	0.287
100	B70_Unbiased	19.108	18.959	0.149
100	B71_Unbiased	18.902	18.757	0.145
100	B72_Unbiased	19.214	19.035	0.179
100	B73_Unbiased	19.173	19.028	0.145
100	B74_Unbiased	19.173	18.866	0.307
100	B77_Unbiased	19.088	19.058	0.030
100	B78_Unbiased	19.205	19.139	0.066
100	B79_Unbiased	18.972	18.891	0.081
100	B80_Unbiased	19.145	18.969	0.176
100	C70_Unbiased	19.015	18.747	0.268
100	C71_Unbiased	18.981	18.775	0.206
100	C72_Unbiased	18.963	18.790	0.173
100	C73_Unbiased	19.113	18.911	0.202
100	C75_Unbiased	18.860	18.632	0.228
100	C76_Unbiased	19.077	18.926	0.151
100	C79_Unbiased	19.104	19.047	0.057
	Max	19.495	20.003	0.307
	Average	19.011	18.988	0.023
	Min	18.610	18.632	-1.200
	Std Dev	0.183	0.197	0.213

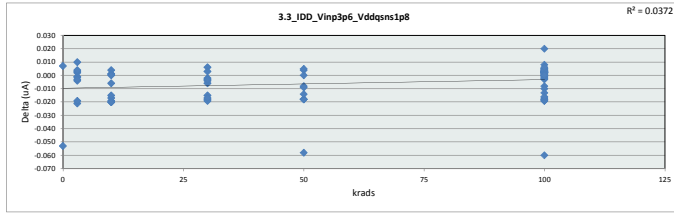


3.2_IQ_Vin3p6_Vddqns1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30 mA					
Min Limit	0.1 mA					
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.812	18.721	18.772	18.703	18.919	18.632
Average	18.863	18.934	19.034	19.023	19.100	18.962
Max	18.914	19.237	19.264	19.321	19.253	20.003
UL	30.000	30.000	30.000	30.000	30.000	30.000

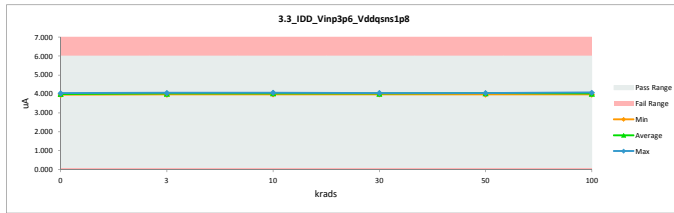


TID 100krad HDR Report
TPS7H3301-SP

3.3_IDD_Vinp3p6_Vddqsns1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.989	4.042	-0.053
3	A116_Biased	4.047	4.048	-0.001
3	A117_Biased	4.035	4.036	-0.001
3	B36_Biased	4.044	4.042	0.002
3	B37_Biased	4.025	4.046	-0.021
3	C39_Biased	4.035	4.032	0.003
3	A118_Unbiased	4.012	4.016	-0.004
3	A140_Unbiased	3.989	3.979	0.010
3	B38_Unbiased	4.012	4.015	-0.003
3	B39_Unbiased	4.036	4.055	-0.019
3	C40_Unbiased	3.978	3.974	0.004
10	A119_Biased	4.050	4.056	-0.006
10	A120_Biased	4.042	4.041	-0.019
10	B40_Biased	4.007	4.024	-0.017
10	C41_Biased	4.013	4.009	0.004
10	C42_Biased	3.978	3.977	0.001
10	A121_Unbiased	4.026	4.046	-0.020
10	A124_Unbiased	3.999	4.019	-0.020
10	B41_Unbiased	4.035	4.050	-0.015
10	C43_Unbiased	4.023	4.022	0.001
10	C44_Unbiased	4.005	4.005	0.000
30	A125_Biased	4.042	4.051	-0.015
30	B42_Biased	4.044	4.050	-0.006
30	B43_Biased	4.026	4.044	-0.018
30	C45_Biased	4.019	4.021	-0.002
30	C46_Biased	3.995	3.989	0.006
30	A127_Unbiased	4.020	4.039	-0.019
30	B45_Unbiased	4.029	4.046	-0.017
30	B47_Unbiased	3.986	3.990	-0.004
30	C47_Unbiased	3.981	3.978	0.003
30	C50_Unbiased	4.009	4.012	-0.015
50	A128_Biased	4.042	4.042	0.000
50	A129_Biased	4.038	4.046	-0.008
50	B48_Biased	4.029	4.047	-0.018
50	B49_Biased	4.027	4.045	-0.018
50	C51_Biased	4.023	4.049	-0.024
50	A130_Unbiased	4.028	4.046	-0.018
50	A131_Unbiased	4.039	4.048	-0.009
50	B50_Unbiased	4.037	4.051	-0.014
50	B51_Unbiased	3.991	4.049	-0.058
50	C53_Unbiased	3.979	3.974	0.005
0	106_Corr	3.963	3.956	0.007
100	A132_Biased	4.015	4.033	-0.018
100	A134_Biased	4.016	4.076	-0.060
100	A135_Biased	3.994	4.002	-0.008
100	B52_Biased	3.989	3.991	-0.002
100	B54_Biased	4.040	4.050	-0.010
100	B55_Biased	4.016	4.035	-0.019
100	B56_Biased	4.032	4.035	-0.003
100	B57_Biased	3.981	3.998	-0.017
100	B59_Biased	4.030	4.049	-0.019
100	B62_Biased	4.044	4.042	0.002
100	B63_Biased	4.028	4.026	0.002
100	B64_Biased	4.050	4.049	0.001
100	B66_Biased	4.054	4.049	0.005
100	B68_Biased	4.052	4.050	0.002
100	C54_Biased	4.045	4.043	0.002
100	C55_Biased	3.986	3.984	0.002
100	C56_Biased	4.038	4.040	-0.002
100	C57_Biased	3.989	3.985	0.004
100	C58_Biased	4.002	3.997	0.005
100	C59_Biased	4.009	4.010	-0.001
100	C65_Biased	4.003	4.003	0.000
100	C67_Biased	3.979	3.975	0.004
100	A122_Unbiased	4.021	4.039	-0.018
100	A138_Unbiased	3.964	3.977	-0.013
100	A139_Unbiased	4.024	4.040	-0.016
100	B60_Unbiased	4.046	4.044	0.002
100	B61_Unbiased	4.047	4.027	0.020
100	B69_Unbiased	4.046	4.041	0.005
100	B70_Unbiased	4.047	4.045	0.002
100	B71_Unbiased	3.999	3.999	0.000
100	B72_Unbiased	4.033	4.030	0.003
100	B73_Unbiased	4.033	4.033	0.000
100	B74_Unbiased	4.014	4.015	-0.001
100	B77_Unbiased	4.005	4.005	0.000
100	B78_Unbiased	4.051	4.051	0.000
100	B79_Unbiased	4.049	4.046	0.003
100	B80_Unbiased	4.019	4.016	0.003
100	C70_Unbiased	4.009	4.006	0.003
100	C71_Unbiased	3.997	3.989	0.008
100	C72_Unbiased	4.016	4.013	0.003
100	C73_Unbiased	4.033	4.029	0.004
100	C75_Unbiased	3.995	3.989	0.006
100	C76_Unbiased	4.026	4.025	0.001
100	C78_Unbiased	4.036	4.036	0.000
	Max	4.054	4.076	0.020
	Average	4.019	4.025	-0.006
	Min	3.963	3.956	-0.060
	Std Dev	0.023	0.026	0.013



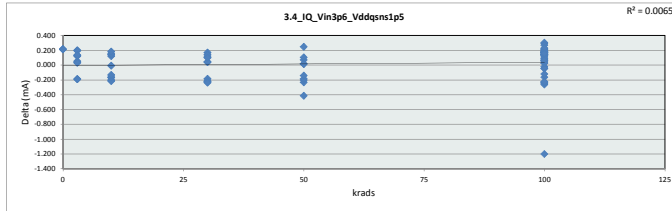
3.3_IDD_Vinp3p6_Vddqsns1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	uA					
Max Limit	6					
Min Limit	0.1					
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.956	3.974	3.977	3.978	3.974	3.975
Average	3.999	4.024	4.027	4.022	4.040	4.023
Max	4.042	4.055	4.061	4.051	4.051	4.076
UL	6.000	6.000	6.000	6.000	6.000	6.000



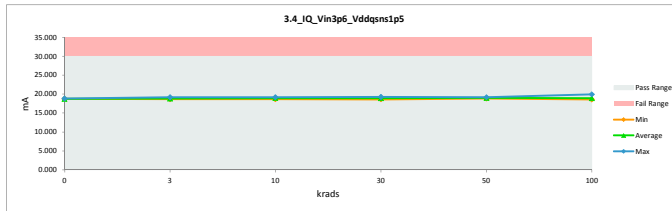
TID 100krad HDR Report
TPS7H3301-SP

3.4_IQ_Vin3p6_Vddqns1p5			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mA	mA	
Max Limit	30	30	
Min Limit	0.1	0.1	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	19.049	18.831	0.218
3	A116_Biased	19.245	19.125	0.120
3	A117_Biased	18.776	18.739	0.037
3	B36_Biased	18.982	18.853	0.129
3	B37_Biased	18.960	19.151	-0.191
3	C39_Biased	18.931	18.731	0.200
3	A118_Unbiased	18.704	18.653	0.051
3	A140_Unbiased	19.049	18.853	0.196
3	B38_Unbiased	18.821	18.789	0.032
3	B39_Unbiased	18.770	18.960	-0.190
3	C40_Unbiased	18.774	18.642	0.132
10	A119_Biased	19.043	19.053	-0.010
10	A120_Biased	19.977	19.178	-0.201
10	B40_Biased	18.798	18.965	-0.167
10	C41_Biased	19.091	18.970	0.121
10	C42_Biased	18.955	18.806	0.149
10	A121_Unbiased	18.734	18.949	-0.215
10	A124_Unbiased	18.526	18.689	-0.163
10	B41_Unbiased	18.664	18.800	-0.136
10	C43_Unbiased	19.221	19.073	0.148
10	C44_Unbiased	19.204	19.021	0.183
30	A125_Biased	18.979	19.203	-0.224
30	B42_Biased	19.112	19.074	0.038
30	B43_Biased	18.719	18.904	-0.185
30	C45_Biased	19.030	18.921	0.109
30	C46_Biased	18.910	18.740	0.170
30	A127_Unbiased	18.813	19.027	-0.214
30	B45_Unbiased	18.996	19.235	-0.239
30	B47_Unbiased	18.662	18.617	0.045
30	C47_Unbiased	18.827	18.689	0.138
30	C50_Unbiased	19.088	18.990	0.098
50	A128_Biased	18.925	18.857	0.068
50	A129_Biased	18.974	18.960	0.014
50	B48_Biased	18.778	19.010	-0.232
50	B49_Biased	18.946	19.151	-0.205
50	C51_Biased	19.062	18.960	0.102
50	A130_Unbiased	18.977	19.164	-0.187
50	A131_Unbiased	18.965	18.949	0.016
50	B50_Unbiased	19.011	19.153	-0.142
50	B51_Unbiased	18.689	19.105	-0.416
50	C53_Unbiased	19.086	18.839	0.247
0	106_Corr	18.942	18.729	0.213
100	A132_Biased	18.596	18.861	-0.265
100	A134_Biased	18.717	19.920	-1.203
100	A135_Biased	18.747	18.767	-0.020
100	B52_Biased	18.688	18.735	-0.047
100	B54_Biased	18.781	18.823	-0.042
100	B55_Biased	18.553	18.716	-0.163
100	B56_Biased	19.135	19.108	0.027
100	B57_Biased	18.530	18.766	-0.236
100	B59_Biased	18.734	18.981	-0.247
100	B62_Biased	19.408	19.232	0.176
100	B63_Biased	18.998	18.867	0.131
100	B64_Biased	19.148	19.080	0.068
100	B66_Biased	19.088	18.923	0.165
100	B68_Biased	18.970	18.822	0.148
100	C54_Biased	19.068	18.936	0.132
100	C55_Biased	18.772	18.651	0.121
100	C56_Biased	18.967	18.872	0.095
100	C57_Biased	18.779	18.736	0.043
100	C58_Biased	19.208	19.038	0.170
100	C59_Biased	18.910	18.769	0.141
100	C65_Biased	18.946	18.768	0.178
100	C67_Biased	18.877	18.671	0.206
100	A122_Unbiased	18.846	19.073	-0.227
100	A138_Unbiased	18.556	18.675	-0.119
100	A139_Unbiased	18.659	18.884	-0.225
100	B60_Unbiased	19.219	18.997	0.222
100	B61_Unbiased	19.022	18.855	0.167
100	B69_Unbiased	19.219	18.931	0.288
100	B70_Unbiased	19.022	18.873	0.149
100	B71_Unbiased	18.617	18.676	-0.059
100	B72_Unbiased	19.128	18.948	0.180
100	B73_Unbiased	19.088	18.943	0.145
100	B74_Unbiased	19.087	18.785	0.302
100	B77_Unbiased	19.003	18.976	0.027
100	B78_Unbiased	19.118	19.063	0.055
100	B79_Unbiased	18.888	18.802	0.086
100	B80_Unbiased	19.060	18.883	0.177
100	C70_Unbiased	18.930	18.664	0.266
100	C71_Unbiased	18.899	18.694	0.205
100	C72_Unbiased	18.879	18.708	0.171
100	C73_Unbiased	19.029	18.830	0.199
100	C75_Unbiased	18.777	18.549	0.228
100	C76_Unbiased	18.995	18.841	0.154
100	C79_Unbiased	19.021	18.960	0.061
	Max	19.408	19.920	0.302
	Average	18.926	18.904	0.022
	Min	18.526	18.549	-1.203
	Std Dev	0.183	0.196	0.213

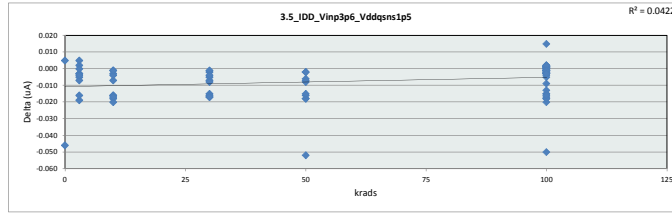


3.4_IQ_Vin3p6_Vddqns1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30 mA					
Min Limit	0.1 mA					
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.729	18.642	18.689	18.617	18.839	18.549
Average	18.780	18.850	18.950	18.940	19.015	18.878
Max	18.831	19.151	19.178	19.235	19.164	19.920
UL	30.000	30.000	30.000	30.000	30.000	30.000

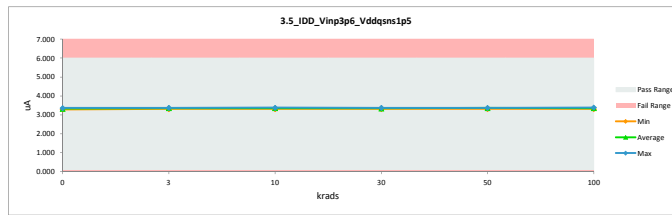


TID 100krad HDR Report
TPS7H3301-SP

3.5_IDD_Vinp3p6_Vddqsns1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.320	3.366	-0.046
3	A116_Biased	3.368	3.371	-0.003
3	A117_Biased	3.356	3.361	-0.005
3	B36_Biased	3.365	3.368	-0.003
3	B37_Biased	3.350	3.369	-0.019
3	C39_Biased	3.358	3.356	0.002
3	A118_Unbiased	3.340	3.347	-0.007
3	A140_Unbiased	3.320	3.315	0.005
3	B38_Unbiased	3.339	3.343	-0.004
3	B39_Unbiased	3.359	3.375	-0.016
3	C40_Unbiased	3.311	3.311	0.000
10	A119_Biased	3.372	3.379	-0.007
10	A120_Biased	3.365	3.381	-0.016
10	B40_Biased	3.335	3.351	-0.016
10	C41_Biased	3.340	3.343	-0.003
10	C42_Biased	3.311	3.312	-0.001
10	A121_Unbiased	3.351	3.369	-0.018
10	A124_Unbiased	3.328	3.348	-0.020
10	B41_Unbiased	3.358	3.375	-0.017
10	C43_Unbiased	3.346	3.350	-0.004
10	C44_Unbiased	3.334	3.335	-0.001
30	A125_Biased	3.359	3.374	-0.015
30	B42_Biased	3.366	3.373	-0.007
30	B43_Biased	3.351	3.368	-0.017
30	C45_Biased	3.345	3.350	-0.005
30	C46_Biased	3.324	3.326	-0.002
30	A127_Unbiased	3.346	3.362	-0.016
30	B45_Unbiased	3.353	3.370	-0.017
30	B47_Unbiased	3.317	3.325	-0.008
30	C47_Unbiased	3.314	3.315	-0.001
30	C50_Unbiased	3.326	3.340	-0.014
50	A128_Biased	3.362	3.368	-0.006
50	A129_Biased	3.361	3.368	-0.007
50	B48_Biased	3.353	3.371	-0.018
50	B49_Biased	3.351	3.369	-0.018
50	C51_Biased	3.322	3.374	-0.052
50	A130_Unbiased	3.352	3.368	-0.016
50	A131_Unbiased	3.362	3.370	-0.008
50	B50_Unbiased	3.360	3.375	-0.015
50	B51_Unbiased	3.321	3.373	-0.052
50	C53_Unbiased	3.311	3.313	-0.002
0	106_Corr	3.298	3.293	0.005
100	A132_Biased	3.342	3.357	-0.015
100	A134_Biased	3.343	3.393	-0.050
100	A135_Biased	3.324	3.337	-0.013
100	B52_Biased	3.321	3.324	-0.003
100	B54_Biased	3.362	3.371	-0.009
100	B55_Biased	3.343	3.360	-0.017
100	B56_Biased	3.355	3.357	-0.002
100	B57_Biased	3.313	3.331	-0.018
100	B59_Biased	3.354	3.374	-0.020
100	B62_Biased	3.365	3.364	0.001
100	B63_Biased	3.353	3.351	0.002
100	B64_Biased	3.371	3.370	0.001
100	B66_Biased	3.374	3.373	0.001
100	B68_Biased	3.373	3.372	0.001
100	C54_Biased	3.368	3.368	0.000
100	C55_Biased	3.316	3.320	-0.004
100	C56_Biased	3.361	3.364	-0.003
100	C57_Biased	3.319	3.321	-0.002
100	C58_Biased	3.331	3.330	0.001
100	C59_Biased	3.336	3.337	-0.001
100	C65_Biased	3.331	3.334	-0.003
100	C67_Biased	3.310	3.311	-0.001
100	A122_Unbiased	3.347	3.365	-0.018
100	A138_Unbiased	3.300	3.315	-0.015
100	A139_Unbiased	3.350	3.366	-0.016
100	B60_Unbiased	3.368	3.370	-0.002
100	B61_Unbiased	3.369	3.354	0.015
100	B69_Unbiased	3.368	3.367	0.001
100	B70_Unbiased	3.369	3.370	-0.001
100	B71_Unbiased	3.328	3.328	0.000
100	B72_Unbiased	3.357	3.358	-0.001
100	B73_Unbiased	3.358	3.358	0.000
100	B74_Unbiased	3.342	3.344	-0.002
100	B77_Unbiased	3.333	3.338	-0.005
100	B78_Unbiased	3.372	3.373	-0.001
100	B79_Unbiased	3.370	3.368	0.002
100	B80_Unbiased	3.345	3.345	0.000
100	C70_Unbiased	3.337	3.336	0.001
100	C71_Unbiased	3.326	3.325	0.001
100	C72_Unbiased	3.342	3.345	-0.003
100	C73_Unbiased	3.356	3.356	0.000
100	C75_Unbiased	3.324	3.322	0.002
100	C76_Unbiased	3.350	3.351	-0.001
100	C79_Unbiased	3.359	3.362	-0.003
	Max	3.374	3.393	0.015
	Average	3.345	3.352	-0.007
	Min	3.298	3.293	-0.052
	Std Dev	0.020	0.021	0.011

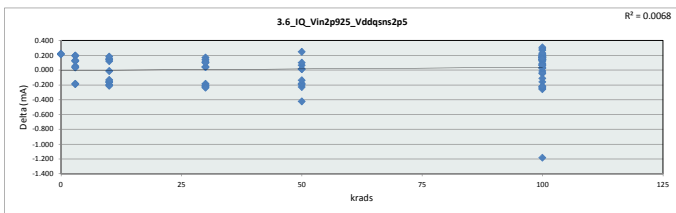


3.5_IDD_Vinp3p6_Vddqsns1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.293	3.311	3.312	3.315	3.313	3.311
Average	3.330	3.352	3.354	3.350	3.365	3.351
Max	3.366	3.375	3.381	3.374	3.375	3.393
UL	6.000	6.000	6.000	6.000	6.000	6.000

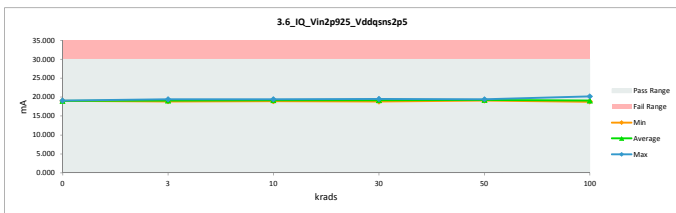


TID 100krad HDR Report
TPS7H3301-SP

3.6_IQ_Vin2p925_Vddqsns2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	19.288	19.069	0.219
3	A116_Biased	19.492	19.370	0.122
3	A117_Biased	19.015	18.978	0.037
3	B36_Biased	19.218	19.092	0.126
3	B37_Biased	19.206	19.396	-0.190
3	C39_Biased	19.162	18.967	0.195
3	A118_Unbiased	18.930	18.879	0.051
3	A140_Unbiased	19.288	19.094	0.194
3	B38_Unbiased	19.059	19.026	0.033
3	B39_Unbiased	19.017	19.204	-0.187
3	C40_Unbiased	18.998	18.867	0.131
10	A119_Biased	19.281	19.292	-0.011
10	A120_Biased	19.214	19.414	-0.200
10	B40_Biased	19.046	19.212	-0.166
10	C41_Biased	19.328	19.209	0.119
10	C42_Biased	19.180	19.031	0.149
10	A121_Unbiased	18.980	19.192	-0.212
10	A124_Unbiased	18.766	18.927	-0.161
10	B41_Unbiased	18.908	19.042	-0.134
10	C43_Unbiased	19.458	19.311	0.147
10	C44_Unbiased	19.449	19.269	0.180
30	A125_Biased	19.224	19.446	-0.222
30	B42_Biased	19.358	19.320	0.038
30	B43_Biased	18.960	19.145	-0.185
30	C45_Biased	19.260	19.152	0.108
30	C46_Biased	19.139	18.969	0.170
30	A127_Unbiased	19.049	19.258	-0.209
30	B45_Unbiased	19.240	19.477	-0.237
30	B47_Unbiased	18.896	18.854	0.042
30	C47_Unbiased	19.053	18.916	0.137
30	C50_Unbiased	19.225	19.225	0.000
50	A128_Biased	19.162	19.097	0.065
50	A129_Biased	19.211	19.196	0.015
50	B48_Biased	19.026	19.255	-0.229
50	B49_Biased	19.192	19.390	-0.198
50	C51_Biased	19.303	19.205	0.098
50	A130_Unbiased	19.225	19.407	-0.182
50	A131_Unbiased	19.198	19.183	0.015
50	B50_Unbiased	19.255	19.395	-0.140
50	B51_Unbiased	18.925	19.349	-0.424
50	C53_Unbiased	19.315	19.067	0.248
0	106_Corr	19.174	18.964	0.210
100	A132_Biased	18.841	19.102	-0.261
100	A134_Biased	18.959	20.144	-1.185
100	A135_Biased	18.989	19.006	-0.015
100	B52_Biased	18.924	18.972	-0.048
100	B54_Biased	19.025	19.064	-0.039
100	B55_Biased	18.795	18.955	-0.160
100	B56_Biased	19.378	19.351	0.027
100	B57_Biased	18.772	19.008	-0.236
100	B59_Biased	18.980	19.226	-0.246
100	B62_Biased	19.651	19.475	0.176
100	B63_Biased	19.239	19.107	0.132
100	B64_Biased	19.389	19.321	0.068
100	B66_Biased	19.326	19.163	0.163
100	B68_Biased	19.209	19.061	0.148
100	C54_Biased	19.309	19.180	0.129
100	C55_Biased	19.011	18.898	0.123
100	C56_Biased	19.200	19.107	0.093
100	C57_Biased	19.003	18.967	0.036
100	C58_Biased	19.445	19.277	0.168
100	C59_Biased	19.146	19.003	0.143
100	C65_Biased	19.187	19.005	0.182
100	C67_Biased	19.101	18.896	0.205
100	A122_Unbiased	19.096	19.318	-0.222
100	A138_Unbiased	18.791	18.905	-0.114
100	A139_Unbiased	18.895	19.116	-0.221
100	B60_Unbiased	19.457	19.242	0.215
100	B61_Unbiased	19.261	19.093	0.168
100	B69_Unbiased	19.457	19.173	0.284
100	B70_Unbiased	19.261	19.114	0.147
100	B71_Unbiased	19.052	18.909	0.143
100	B72_Unbiased	19.369	19.191	0.178
100	B73_Unbiased	19.327	19.183	0.144
100	B74_Unbiased	19.326	19.019	0.307
100	B77_Unbiased	19.242	19.215	0.027
100	B78_Unbiased	19.360	19.296	0.064
100	B79_Unbiased	19.124	19.046	0.078
100	B80_Unbiased	19.301	19.125	0.176
100	C70_Unbiased	19.165	18.896	0.269
100	C71_Unbiased	19.130	18.927	0.203
100	C72_Unbiased	19.112	18.940	0.172
100	C73_Unbiased	19.263	19.064	0.199
100	C75_Unbiased	19.012	18.783	0.229
100	C76_Unbiased	19.227	19.073	0.154
100	C79_Unbiased	19.256	19.195	0.061
	Max	19.651	20.144	0.307
	Average	19.164	19.142	0.022
	Min	18.766	18.783	-1.185
	Std Dev	0.183	0.198	0.211

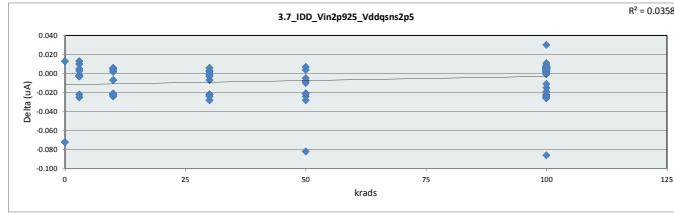


3.6_IQ_Vin2p925_Vddqsns2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30 mA					
Min Limit	0.1 mA					
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.964	18.867	18.927	18.854	19.067	18.783
Average	19.017	19.087	19.190	19.176	19.254	19.116
Max	19.069	19.396	19.414	19.477	19.407	20.144
UL	30.000	30.000	30.000	30.000	30.000	30.000

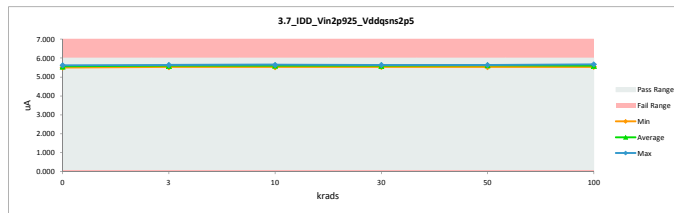


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3.7_IDD_Vin2p925_Vddqsns2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.548	5.620	-0.072
3	A116_Biased	5.628	5.630	-0.002
3	A117_Biased	5.612	5.615	-0.003
3	B36_Biased	5.627	5.624	0.003
3	B37_Biased	5.599	5.624	-0.025
3	C39_Biased	5.614	5.604	0.010
3	A118_Unbiased	5.581	5.584	-0.003
3	A140_Unbiased	5.548	5.535	0.013
3	B38_Unbiased	5.581	5.584	-0.003
3	B39_Unbiased	5.614	5.636	-0.022
3	C40_Unbiased	5.534	5.529	0.005
10	A119_Biased	5.636	5.643	-0.007
10	A120_Biased	5.623	5.643	-0.023
10	B40_Biased	5.572	5.594	-0.022
10	C41_Biased	5.581	5.577	0.004
10	C42_Biased	5.535	5.529	0.006
10	A121_Unbiased	5.601	5.625	-0.024
10	A124_Unbiased	5.563	5.585	-0.022
10	B41_Unbiased	5.612	5.633	-0.021
10	C43_Unbiased	5.596	5.594	0.002
10	C44_Unbiased	5.573	5.568	0.005
30	A125_Biased	5.614	5.636	-0.022
30	B42_Biased	5.626	5.633	-0.007
30	B43_Biased	5.600	5.622	-0.022
30	C45_Biased	5.591	5.588	0.003
30	C46_Biased	5.588	5.582	0.006
30	A127_Unbiased	5.592	5.616	-0.024
30	B45_Unbiased	5.603	5.631	-0.028
30	B47_Unbiased	5.544	5.547	-0.003
30	C47_Unbiased	5.538	5.536	0.002
30	C50_Unbiased	5.577	5.578	-0.001
50	A128_Biased	5.621	5.626	-0.005
50	A129_Biased	5.617	5.627	-0.010
50	B48_Biased	5.605	5.626	-0.021
50	B49_Biased	5.601	5.629	-0.028
50	C51_Biased	5.638	5.634	0.004
50	A130_Unbiased	5.602	5.626	-0.024
50	A131_Unbiased	5.620	5.628	-0.008
50	B50_Unbiased	5.616	5.637	-0.021
50	B51_Unbiased	5.650	5.632	-0.082
50	C53_Unbiased	5.535	5.528	0.007
0	106_Corr	5.512	5.499	0.013
100	A132_Biased	5.584	5.606	-0.022
100	A134_Biased	5.586	5.672	-0.086
100	A135_Biased	5.554	5.569	-0.015
100	B52_Biased	5.551	5.549	0.002
100	B54_Biased	5.618	5.629	-0.011
100	B55_Biased	5.586	5.611	-0.025
100	B56_Biased	5.609	5.609	0.000
100	B57_Biased	5.536	5.560	-0.024
100	B59_Biased	5.606	5.632	-0.026
100	B62_Biased	5.626	5.619	0.007
100	B63_Biased	5.603	5.598	0.005
100	B64_Biased	5.635	5.631	0.004
100	B66_Biased	5.641	5.632	0.009
100	B68_Biased	5.638	5.633	0.005
100	C54_Biased	5.629	5.622	0.007
100	C55_Biased	5.544	5.539	0.005
100	C56_Biased	5.618	5.618	0.000
100	C57_Biased	5.548	5.540	0.008
100	C58_Biased	5.567	5.561	0.006
100	C59_Biased	5.577	5.575	0.002
100	C65_Biased	5.569	5.568	0.001
100	C67_Biased	5.534	5.531	0.003
100	A122_Unbiased	5.593	5.616	-0.023
100	A138_Unbiased	5.515	5.534	-0.019
100	A139_Unbiased	5.597	5.622	-0.025
100	B60_Unbiased	5.629	5.623	0.006
100	B61_Unbiased	5.631	5.601	0.030
100	B69_Unbiased	5.629	5.622	0.007
100	B70_Unbiased	5.631	5.625	0.006
100	B71_Unbiased	5.562	5.556	0.006
100	B72_Unbiased	5.611	5.606	0.005
100	B73_Unbiased	5.612	5.606	0.006
100	B74_Unbiased	5.586	5.579	0.007
100	B77_Unbiased	5.571	5.568	0.003
100	B78_Unbiased	5.636	5.634	0.002
100	B79_Unbiased	5.632	5.627	0.005
100	B80_Unbiased	5.592	5.586	0.006
100	C70_Unbiased	5.577	5.572	0.005
100	C71_Unbiased	5.558	5.547	0.011
100	C72_Unbiased	5.587	5.581	0.006
100	C73_Unbiased	5.610	5.603	0.007
100	C75_Unbiased	5.556	5.549	0.007
100	C76_Unbiased	5.599	5.595	0.004
100	C78_Unbiased	5.613	5.614	-0.001
	Max	5.641	5.672	0.030
	Average	5.591	5.597	-0.006
	Min	5.512	5.499	-0.086
	Std Dev	0.033	0.037	0.019

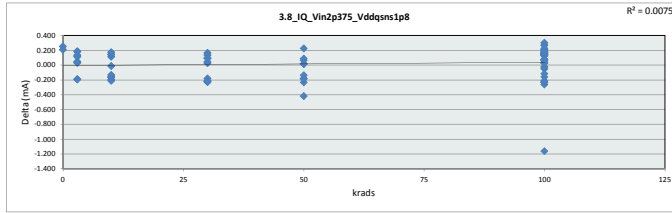


3.7_IDD_Vin2p925_Vddqsns2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.499	5.529	5.529	5.536	5.528	5.531
Average	5.560	5.597	5.599	5.594	5.619	5.595
Max	5.620	5.636	5.646	5.636	5.637	5.672
UL	6.000	6.000	6.000	6.000	6.000	6.000

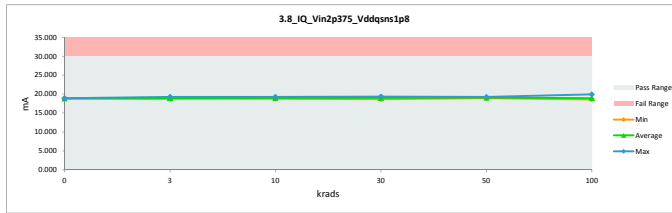


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3.8_IQ_Vin2p375_Vddqsns1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	19.142	18.892	0.250
3	A116_Biased	19.315	19.194	0.121
3	A117_Biased	18.944	18.909	0.035
3	B36_Biased	19.043	18.932	0.111
3	B37_Biased	19.032	19.220	-0.188
3	C39_Biased	19.014	18.833	0.181
3	A118_Unbiased	18.768	18.719	0.049
3	A140_Unbiased	19.142	18.955	0.187
3	B38_Unbiased	18.882	18.852	0.030
3	B39_Unbiased	18.848	19.044	-0.196
3	C40_Unbiased	18.861	18.728	0.133
10	A119_Biased	19.114	19.125	-0.011
10	A120_Biased	19.050	19.245	-0.195
10	B40_Biased	18.872	19.036	-0.164
10	C41_Biased	19.181	19.068	0.113
10	C42_Biased	19.019	18.876	0.143
10	A121_Unbiased	18.804	19.076	-0.272
10	A124_Unbiased	18.598	18.757	-0.159
10	B41_Unbiased	18.754	18.886	-0.132
10	C43_Unbiased	19.305	19.161	0.144
10	C44_Unbiased	19.271	19.097	0.174
30	A125_Biased	19.078	19.301	-0.223
30	B42_Biased	19.180	19.154	0.026
30	B43_Biased	18.790	18.971	-0.181
30	C45_Biased	19.096	19.000	0.096
30	C46_Biased	18.973	18.810	0.163
30	A127_Unbiased	18.884	19.094	-0.210
30	B45_Unbiased	19.082	19.310	-0.228
30	B47_Unbiased	18.724	18.680	0.044
30	C47_Unbiased	18.902	18.770	0.132
30	C50_Unbiased	19.184	19.094	0.090
50	A128_Biased	18.992	18.926	0.066
50	A129_Biased	19.042	19.027	0.015
50	B48_Biased	18.863	19.096	-0.233
50	B49_Biased	19.038	19.223	-0.185
50	C51_Biased	19.131	19.045	0.086
50	A130_Unbiased	19.052	19.232	-0.180
50	A131_Unbiased	19.028	19.012	0.016
50	B50_Unbiased	19.080	19.217	-0.137
50	B51_Unbiased	18.753	19.173	-0.420
50	C53_Unbiased	19.154	18.928	0.226
0	106_Corr	19.021	18.815	0.206
100	A132_Biased	18.668	18.930	-0.262
100	A134_Biased	18.796	19.960	-1.164
100	A135_Biased	18.820	18.840	-0.020
100	B52_Biased	18.751	18.803	-0.052
100	B54_Biased	18.852	18.893	-0.041
100	B55_Biased	18.622	18.783	-0.161
100	B56_Biased	19.200	19.174	0.026
100	B57_Biased	18.605	18.837	-0.232
100	B59_Biased	18.814	19.049	-0.235
100	B62_Biased	19.471	19.295	0.176
100	B63_Biased	19.061	18.934	0.127
100	B64_Biased	19.210	19.145	0.065
100	B66_Biased	19.149	18.990	0.159
100	B68_Biased	19.042	18.900	0.142
100	C54_Biased	19.133	19.006	0.127
100	C55_Biased	18.856	18.723	0.133
100	C56_Biased	19.040	18.960	0.080
100	C57_Biased	18.843	18.805	0.038
100	C58_Biased	19.299	19.136	0.163
100	C59_Biased	18.998	18.854	0.144
100	C65_Biased	19.011	18.836	0.175
100	C67_Biased	18.937	18.731	0.206
100	A122_Unbiased	18.920	19.139	-0.219
100	A138_Unbiased	18.626	18.742	-0.116
100	A139_Unbiased	18.741	18.954	-0.213
100	B60_Unbiased	19.279	19.082	0.197
100	B61_Unbiased	19.084	18.921	0.163
100	B69_Unbiased	19.279	18.998	0.281
100	B70_Unbiased	19.084	18.936	0.148
100	B71_Unbiased	18.890	18.757	0.133
100	B72_Unbiased	19.195	19.016	0.179
100	B73_Unbiased	19.151	19.011	0.140
100	B74_Unbiased	19.152	18.849	0.303
100	B77_Unbiased	19.067	19.040	0.027
100	B78_Unbiased	19.194	19.127	0.067
100	B79_Unbiased	18.951	18.873	0.078
100	B80_Unbiased	19.125	18.959	0.166
100	C70_Unbiased	19.019	18.757	0.262
100	C71_Unbiased	18.979	18.780	0.199
100	C72_Unbiased	18.959	18.797	0.162
100	C73_Unbiased	19.120	18.907	0.213
100	C75_Unbiased	18.840	18.614	0.226
100	C76_Unbiased	19.083	18.912	0.171
100	C79_Unbiased	19.114	19.044	0.070
	Max	19.471	19.960	0.303
	Average	18.999	18.978	0.021
	Min	18.598	18.614	-1.164
	Std Dev	0.182	0.194	0.208

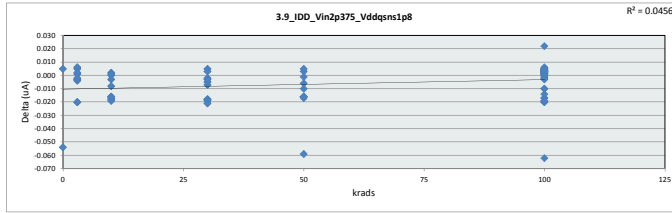


3.8_IQ_Vin2p375_Vddqsns1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.815	18.719	18.757	18.680	18.926	18.614
Average	18.854	18.929	19.027	19.018	19.088	18.950
Max	18.892	19.220	19.245	19.310	19.232	19.960
UL	30.000	30.000	30.000	30.000	30.000	30.000

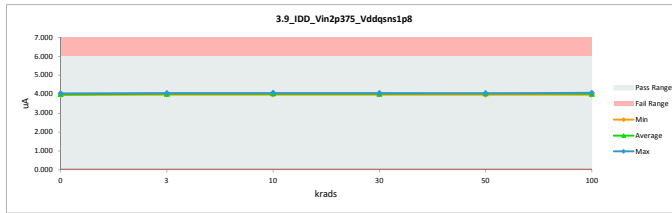


TID 100krad HDR Report
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3.9_IDD_Vin2p375_Vddqsns1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.987	4.041	-0.054
3	A116_Biased	4.046	4.049	-0.003
3	A117_Biased	4.034	4.038	-0.004
3	B36_Biased	4.044	4.043	0.001
3	B37_Biased	4.025	4.045	-0.020
3	C39_Biased	4.035	4.030	0.005
3	A118_Unbiased	4.012	4.015	-0.003
3	A140_Unbiased	3.987	3.981	0.006
3	B38_Unbiased	4.012	4.014	-0.002
3	B39_Unbiased	4.036	4.056	-0.020
3	C40_Unbiased	3.978	3.976	0.002
10	A119_Biased	4.050	4.058	-0.008
10	A120_Biased	4.044	4.061	-0.017
10	B40_Biased	4.006	4.024	-0.018
10	C41_Biased	4.011	4.011	0.000
10	C42_Biased	3.979	3.977	0.002
10	A121_Unbiased	4.027	4.043	-0.016
10	A124_Unbiased	3.999	4.018	-0.019
10	B41_Unbiased	4.035	4.051	-0.016
10	C43_Unbiased	4.022	4.025	-0.003
10	C44_Unbiased	4.005	4.004	0.001
30	A125_Biased	4.024	4.054	-0.018
30	B42_Biased	4.044	4.051	-0.007
30	B43_Biased	4.025	4.044	-0.019
30	C45_Biased	4.018	4.020	-0.002
30	C46_Biased	3.995	3.990	0.005
30	A127_Unbiased	4.021	4.039	-0.018
30	B45_Unbiased	4.028	4.049	-0.021
30	B47_Unbiased	3.985	3.990	-0.005
30	C47_Unbiased	3.981	3.978	0.003
30	C50_Unbiased	4.009	4.012	-0.018
50	A128_Biased	4.042	4.043	-0.001
50	A129_Biased	4.037	4.047	-0.010
50	B48_Biased	4.029	4.045	-0.016
50	B49_Biased	4.027	4.044	-0.017
50	C51_Biased	4.053	4.050	0.003
50	A130_Unbiased	4.028	4.044	-0.016
50	A131_Unbiased	4.040	4.046	-0.006
50	B50_Unbiased	4.037	4.053	-0.016
50	B51_Unbiased	3.990	4.049	-0.059
50	C53_Unbiased	3.979	3.974	0.005
0	106_Corr	3.962	3.957	0.005
100	A132_Biased	4.015	4.032	-0.017
100	A134_Biased	4.015	4.077	-0.062
100	A135_Biased	3.992	4.002	-0.010
100	B52_Biased	3.990	3.989	0.001
100	B54_Biased	4.039	4.049	-0.010
100	B55_Biased	4.015	4.035	-0.020
100	B56_Biased	4.032	4.032	0.000
100	B57_Biased	3.979	3.996	-0.017
100	B59_Biased	4.030	4.050	-0.020
100	B62_Biased	4.043	4.042	0.001
100	B63_Biased	4.027	4.027	0.000
100	B64_Biased	4.050	4.048	0.002
100	B66_Biased	4.055	4.051	0.004
100	B68_Biased	4.053	4.050	0.003
100	C54_Biased	4.045	4.043	0.002
100	C55_Biased	3.986	3.983	0.003
100	C56_Biased	4.038	4.037	0.001
100	C57_Biased	3.989	3.985	0.004
100	C58_Biased	4.001	3.997	0.004
100	C59_Biased	4.010	4.006	0.004
100	C65_Biased	4.003	4.002	-0.002
100	C67_Biased	3.978	3.975	0.003
100	A122_Unbiased	4.022	4.041	-0.019
100	A138_Unbiased	3.964	3.978	-0.014
100	A139_Unbiased	4.025	4.044	-0.019
100	B60_Unbiased	4.046	4.045	0.001
100	B61_Unbiased	4.048	4.026	0.022
100	B69_Unbiased	4.046	4.044	0.002
100	B70_Unbiased	4.048	4.044	0.004
100	B71_Unbiased	3.999	3.994	0.005
100	B72_Unbiased	4.034	4.029	0.005
100	B73_Unbiased	4.035	4.030	0.005
100	B74_Unbiased	4.016	4.014	0.002
100	B77_Unbiased	4.004	4.005	-0.001
100	B78_Unbiased	4.051	4.050	0.001
100	B79_Unbiased	4.049	4.045	0.004
100	B80_Unbiased	4.019	4.016	0.003
100	C70_Unbiased	4.009	4.006	0.003
100	C71_Unbiased	3.995	3.999	-0.006
100	C72_Unbiased	4.017	4.017	0.000
100	C73_Unbiased	4.033	4.028	0.005
100	C75_Unbiased	3.994	3.990	0.004
100	C76_Unbiased	4.025	4.028	-0.003
100	C78_Unbiased	4.035	4.037	-0.002
	Max	4.055	4.077	0.022
	Average	4.019	4.025	-0.006
	Min	3.962	3.957	-0.062
	Std Dev	0.024	0.026	0.014



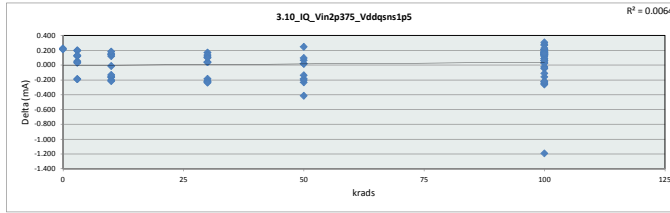
3.9_IDD_Vin2p375_Vddqsns1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.957	3.976	3.977	3.978	3.974	3.975
Average	3.999	4.025	4.027	4.023	4.040	4.023
Max	4.041	4.056	4.061	4.054	4.053	4.077
UL	6.000	6.000	6.000	6.000	6.000	6.000



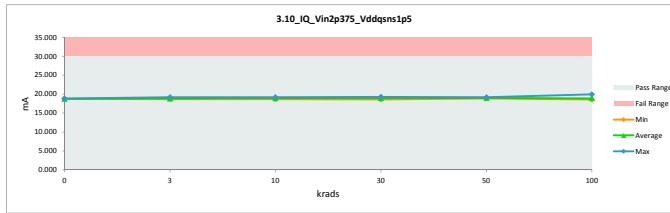
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3.10_IQ_Vin2p375_Vddqsns1p5			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mA	mA	
Max Limit	30	30	
Min Limit	0.1	0.1	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	19.041	18.817	0.224
3	A116_Biased	19.236	19.116	0.120
3	A117_Biased	18.767	18.730	0.037
3	B36_Biased	18.967	18.842	0.125
3	B37_Biased	18.950	19.140	-0.190
3	C39_Biased	18.920	18.723	0.197
3	A118_Unbiased	18.697	18.645	0.052
3	A140_Unbiased	19.041	18.846	0.195
3	B38_Unbiased	18.808	18.776	0.032
3	B39_Unbiased	18.760	18.949	-0.189
3	C40_Unbiased	18.764	18.635	0.129
10	A119_Biased	19.037	19.049	-0.012
10	A120_Biased	18.969	19.171	-0.202
10	B40_Biased	18.791	18.956	-0.165
10	C41_Biased	19.084	18.963	0.121
10	C42_Biased	18.945	18.796	0.149
10	A121_Unbiased	18.724	18.939	-0.215
10	A124_Unbiased	18.520	18.682	-0.162
10	B41_Unbiased	18.655	18.788	-0.133
10	C43_Unbiased	19.211	19.062	0.149
10	C44_Unbiased	19.194	19.013	0.181
30	A125_Biased	18.972	19.198	-0.226
30	B42_Biased	19.101	19.064	0.037
30	B43_Biased	18.707	18.894	-0.187
30	C45_Biased	19.020	18.914	0.106
30	C46_Biased	18.902	18.733	0.169
30	A127_Unbiased	18.807	18.021	-0.214
30	B45_Unbiased	18.985	19.223	-0.238
30	B47_Unbiased	18.648	18.608	0.040
30	C47_Unbiased	18.817	18.684	0.133
30	C50_Unbiased	19.081	18.982	0.099
50	A128_Biased	18.915	18.849	0.066
50	A129_Biased	18.966	18.949	0.017
50	B48_Biased	18.767	19.000	-0.233
50	B49_Biased	18.934	19.137	-0.203
50	C51_Biased	19.051	18.954	0.097
50	A130_Unbiased	18.969	19.155	-0.186
50	A131_Unbiased	18.954	18.937	0.017
50	B50_Unbiased	19.000	19.140	-0.140
50	B51_Unbiased	18.677	19.094	-0.417
50	C53_Unbiased	19.081	18.835	0.246
0	106_Corr	18.929	18.718	0.211
100	A132_Biased	18.588	18.851	-0.263
100	A134_Biased	18.705	19.899	-1.194
100	A135_Biased	18.743	18.764	-0.021
100	B52_Biased	18.675	18.724	-0.049
100	B54_Biased	18.773	18.814	-0.041
100	B55_Biased	18.543	18.705	-0.162
100	B56_Biased	19.123	19.095	0.028
100	B57_Biased	18.520	18.760	-0.240
100	B59_Biased	18.723	18.974	-0.251
100	B62_Biased	19.395	19.218	0.177
100	B63_Biased	18.986	18.898	0.128
100	B64_Biased	19.135	19.070	0.065
100	B66_Biased	19.073	18.914	0.159
100	B68_Biased	18.958	18.812	0.146
100	C54_Biased	19.057	18.927	0.130
100	C55_Biased	18.766	18.649	0.117
100	C56_Biased	18.956	18.866	0.090
100	C57_Biased	18.771	18.733	0.038
100	C58_Biased	19.199	19.036	0.163
100	C59_Biased	18.903	18.764	0.139
100	C65_Biased	18.935	18.758	0.177
100	C67_Biased	18.866	18.658	0.208
100	A122_Unbiased	18.839	19.059	-0.220
100	A138_Unbiased	18.550	18.663	-0.113
100	A139_Unbiased	18.654	18.875	-0.221
100	B60_Unbiased	19.203	18.990	0.213
100	B61_Unbiased	19.008	18.846	0.162
100	B69_Unbiased	19.203	18.920	0.283
100	B70_Unbiased	19.008	18.862	0.146
100	B71_Unbiased	18.804	18.662	0.142
100	B72_Unbiased	19.118	18.937	0.181
100	B73_Unbiased	19.076	18.932	0.144
100	B74_Unbiased	19.076	18.771	0.305
100	B77_Unbiased	18.992	18.966	0.026
100	B78_Unbiased	19.107	19.044	0.063
100	B79_Unbiased	18.876	18.791	0.085
100	B80_Unbiased	19.048	18.873	0.175
100	C70_Unbiased	18.922	18.655	0.267
100	C71_Unbiased	18.887	18.684	0.203
100	C72_Unbiased	18.870	18.702	0.168
100	C73_Unbiased	19.020	18.817	0.203
100	C75_Unbiased	18.766	18.538	0.228
100	C76_Unbiased	18.986	18.831	0.155
100	C79_Unbiased	19.011	18.951	0.060
	Max	19.395	19.899	0.305
	Average	18.916	18.895	0.021
	Min	18.520	18.538	-1.194
	Std Dev	0.182	0.195	0.212

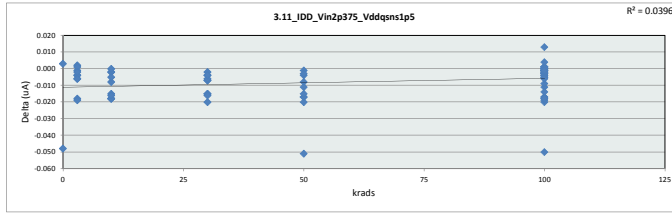


3.10_IQ_Vin2p375_Vddqsns1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	30 mA					
Min Limit	0.1 mA					
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.718	18.635	18.682	18.608	18.835	18.538
Average	18.768	18.840	18.942	18.932	19.005	18.869
Max	18.817	19.140	19.171	19.223	19.155	19.899
UL	30.000	30.000	30.000	30.000	30.000	30.000

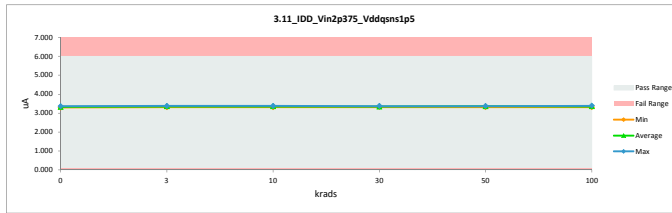


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3.11_IDD_Vin2p375_Vddqns1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.319	3.367	-0.048
3	A116_Biased	3.367	3.371	-0.004
3	A117_Biased	3.357	3.363	-0.006
3	B36_Biased	3.365	3.366	-0.001
3	B37_Biased	3.351	3.369	-0.018
3	C39_Biased	3.358	3.356	0.002
3	A118_Unbiased	3.340	3.344	-0.004
3	A140_Unbiased	3.319	3.318	0.001
3	B38_Unbiased	3.338	3.344	-0.006
3	B39_Unbiased	3.359	3.378	-0.019
3	C40_Unbiased	3.311	3.313	-0.002
10	A119_Biased	3.371	3.379	-0.008
10	A120_Biased	3.363	3.383	-0.018
10	B40_Biased	3.334	3.349	-0.015
10	C41_Biased	3.339	3.341	-0.002
10	C42_Biased	3.311	3.313	-0.002
10	A121_Unbiased	3.350	3.368	-0.018
10	A124_Unbiased	3.329	3.347	-0.018
10	B41_Unbiased	3.358	3.374	-0.016
10	C43_Unbiased	3.348	3.353	-0.005
10	C44_Unbiased	3.334	3.334	0.000
30	A125_Biased	3.360	3.375	-0.015
30	B42_Biased	3.366	3.373	-0.007
30	B43_Biased	3.351	3.366	-0.015
30	C45_Biased	3.343	3.350	-0.007
30	C46_Biased	3.325	3.327	-0.002
30	A127_Unbiased	3.346	3.362	-0.016
30	B45_Unbiased	3.352	3.372	-0.020
30	B47_Unbiased	3.317	3.323	-0.006
30	C47_Unbiased	3.313	3.317	-0.004
30	C50_Unbiased	3.326	3.340	-0.014
50	A128_Biased	3.364	3.368	-0.004
50	A129_Biased	3.360	3.368	-0.008
50	B48_Biased	3.353	3.370	-0.017
50	B49_Biased	3.351	3.371	-0.020
50	C51_Biased	3.378	3.374	0.004
50	A130_Unbiased	3.352	3.369	-0.017
50	A131_Unbiased	3.362	3.373	-0.011
50	B50_Unbiased	3.360	3.375	-0.015
50	B51_Unbiased	3.321	3.372	-0.051
50	C53_Unbiased	3.311	3.314	-0.003
0	106_Corr	3.298	3.295	0.003
100	A132_Biased	3.342	3.359	-0.017
100	A134_Biased	3.342	3.392	-0.050
100	A135_Biased	3.323	3.334	-0.011
100	B52_Biased	3.321	3.326	-0.005
100	B54_Biased	3.362	3.371	-0.009
100	B55_Biased	3.342	3.362	-0.020
100	B56_Biased	3.355	3.359	-0.004
100	B57_Biased	3.312	3.329	-0.017
100	B59_Biased	3.354	3.373	-0.019
100	B62_Biased	3.365	3.365	0.000
100	B63_Biased	3.352	3.353	-0.001
100	B64_Biased	3.371	3.370	0.001
100	B66_Biased	3.373	3.374	-0.001
100	B68_Biased	3.374	3.374	0.000
100	C54_Biased	3.367	3.367	0.000
100	C55_Biased	3.317	3.320	-0.003
100	C56_Biased	3.361	3.363	-0.002
100	C57_Biased	3.319	3.319	0.000
100	C58_Biased	3.330	3.329	0.001
100	C59_Biased	3.336	3.340	-0.004
100	C65_Biased	3.331	3.335	-0.004
100	C67_Biased	3.311	3.312	-0.001
100	A122_Unbiased	3.347	3.365	-0.018
100	A138_Unbiased	3.300	3.314	-0.014
100	A139_Unbiased	3.349	3.367	-0.018
100	B60_Unbiased	3.367	3.370	-0.003
100	B61_Unbiased	3.369	3.356	0.013
100	B69_Unbiased	3.367	3.368	-0.001
100	B70_Unbiased	3.369	3.371	-0.002
100	B71_Unbiased	3.328	3.328	0.000
100	B72_Unbiased	3.357	3.356	0.001
100	B73_Unbiased	3.358	3.357	0.001
100	B74_Unbiased	3.342	3.344	-0.002
100	B77_Unbiased	3.333	3.338	-0.005
100	B78_Unbiased	3.372	3.375	-0.003
100	B79_Unbiased	3.370	3.369	0.001
100	B80_Unbiased	3.345	3.346	-0.001
100	C70_Unbiased	3.336	3.339	-0.003
100	C71_Unbiased	3.326	3.322	0.004
100	C72_Unbiased	3.344	3.344	0.000
100	C73_Unbiased	3.356	3.358	-0.002
100	C75_Unbiased	3.324	3.325	-0.001
100	C76_Unbiased	3.350	3.355	-0.005
100	C79_Unbiased	3.358	3.364	-0.006
	Max	3.374	3.392	0.013
	Average	3.345	3.353	-0.008
	Min	3.298	3.295	-0.051
	Std Dev	0.020	0.021	0.011



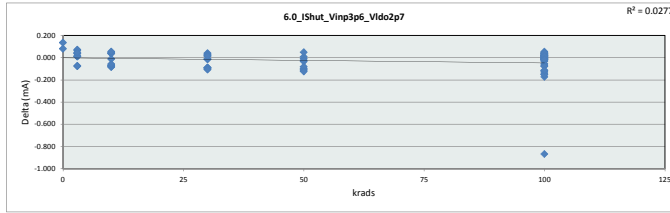
3.11_IDD_Vin2p375_Vddqns1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.295	3.313	3.313	3.317	3.314	3.312
Average	3.331	3.352	3.354	3.351	3.365	3.351
Max	3.367	3.378	3.383	3.375	3.375	3.392
UL	6.000	6.000	6.000	6.000	6.000	6.000



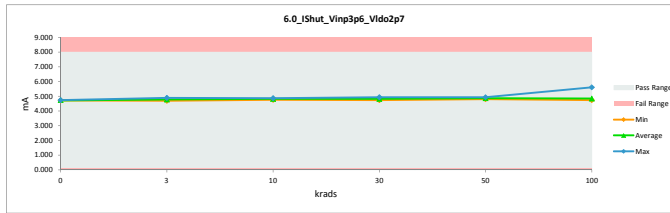
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6.0_Ishut_Vinp3p6_Vido2p7			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mA	mA	
Max Limit	8	8	
Min Limit	0.1	0.1	

Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	4.862	4.728	0.134
3	A116_Biased	4.918	4.881	0.037
3	A117_Biased	4.738	4.726	0.012
3	B36_Biased	4.777	4.737	0.040
3	B37_Biased	4.806	4.881	-0.075
3	C39_Biased	4.812	4.745	0.067
3	A118_Unbiased	4.699	4.686	0.013
3	A140_Unbiased	4.862	4.791	0.071
3	B38_Unbiased	4.786	4.776	0.010
3	B39_Unbiased	4.744	4.818	-0.074
3	C40_Unbiased	4.766	4.720	0.046
10	A119_Biased	4.830	4.841	-0.011
10	A120_Biased	4.743	4.872	-0.080
10	B40_Biased	4.772	4.841	-0.069
10	C41_Biased	4.852	4.816	0.036
10	C42_Biased	4.826	4.783	0.043
10	A121_Unbiased	4.743	4.827	-0.064
10	A124_Unbiased	4.679	4.751	-0.072
10	B41_Unbiased	4.724	4.782	-0.058
10	C43_Unbiased	4.867	4.827	0.040
10	C44_Unbiased	4.910	4.857	0.053
30	A125_Biased	4.792	4.881	-0.099
30	B42_Biased	4.890	4.905	-0.015
30	B43_Biased	4.720	4.811	-0.091
30	C45_Biased	4.804	4.786	0.018
30	C46_Biased	4.816	4.775	0.041
30	A127_Unbiased	4.744	4.833	-0.089
30	B45_Unbiased	4.818	4.924	-0.106
30	B47_Unbiased	4.732	4.743	-0.011
30	C47_Unbiased	4.767	4.739	0.028
30	C50_Unbiased	4.833	4.819	0.014
50	A128_Biased	4.814	4.824	-0.010
50	A129_Biased	4.779	4.814	-0.035
50	B48_Biased	4.735	4.848	-0.113
50	B49_Biased	4.796	4.900	-0.104
50	C51_Biased	4.812	4.803	0.009
50	A130_Unbiased	4.809	4.905	-0.096
50	A131_Unbiased	4.840	4.864	-0.024
50	B50_Unbiased	4.838	4.918	-0.080
50	B51_Unbiased	4.873	4.877	-0.124
50	C53_Unbiased	4.841	4.791	0.050
0	106_Corr	4.793	4.714	0.079
100	A132_Biased	4.703	4.843	-0.140
100	A134_Biased	4.727	5.596	-0.869
100	A135_Biased	4.731	4.799	-0.068
100	B52_Biased	4.752	4.807	-0.055
100	B54_Biased	4.769	4.845	-0.076
100	B55_Biased	4.671	4.790	-0.119
100	B56_Biased	4.877	4.908	-0.031
100	B57_Biased	4.703	4.876	-0.173
100	B59_Biased	4.726	4.876	-0.150
100	B62_Biased	4.940	4.934	0.006
100	B63_Biased	4.864	4.873	-0.009
100	B64_Biased	4.860	4.877	-0.017
100	B66_Biased	4.872	4.867	0.005
100	B68_Biased	4.832	4.857	-0.025
100	C54_Biased	4.853	4.852	0.001
100	C55_Biased	4.776	4.788	-0.012
100	C56_Biased	4.819	4.838	-0.019
100	C57_Biased	4.777	4.798	-0.021
100	C58_Biased	4.892	5.046	-0.154
100	C59_Biased	4.782	4.786	-0.004
100	C65_Biased	4.806	4.809	-0.003
100	C67_Biased	4.796	4.780	0.016
100	A122_Unbiased	4.734	4.856	-0.122
100	A138_Unbiased	4.697	4.776	-0.079
100	A139_Unbiased	4.695	4.809	-0.114
100	B60_Unbiased	4.867	4.842	0.025
100	B61_Unbiased	4.843	4.804	0.039
100	B69_Unbiased	4.867	4.823	0.044
100	B70_Unbiased	4.843	4.827	0.016
100	B71_Unbiased	4.793	4.779	0.014
100	B72_Unbiased	4.843	4.817	0.026
100	B73_Unbiased	4.834	4.819	0.015
100	B74_Unbiased	4.865	4.812	0.053
100	B77_Unbiased	4.820	4.832	-0.012
100	B78_Unbiased	4.867	4.860	-0.009
100	B79_Unbiased	4.796	4.786	0.010
100	B80_Unbiased	4.874	4.852	0.022
100	C70_Unbiased	4.824	4.785	0.039
100	C71_Unbiased	4.810	4.772	0.038
100	C72_Unbiased	4.800	4.783	0.017
100	C73_Unbiased	4.862	4.836	0.026
100	C75_Unbiased	4.783	4.740	0.043
100	C76_Unbiased	4.834	4.821	0.013
100	C79_Unbiased	4.819	4.833	-0.014
	Max	4.940	5.596	0.134
	Average	4.802	4.831	-0.029
	Min	4.671	4.686	-0.869
	Std Dev	0.059	0.101	0.111

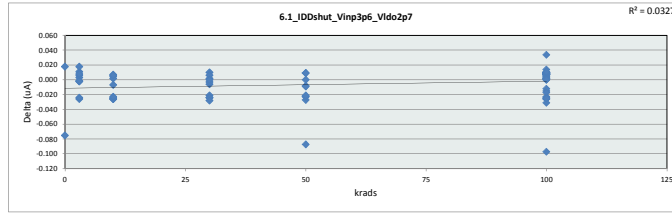


6.0_Ishut_Vinp3p6_Vido2p7						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.714	4.686	4.751	4.739	4.791	4.740
Average	4.721	4.776	4.820	4.822	4.854	4.848
Max	4.728	4.881	4.872	4.924	4.918	5.596
UL	8.000	8.000	8.000	8.000	8.000	8.000

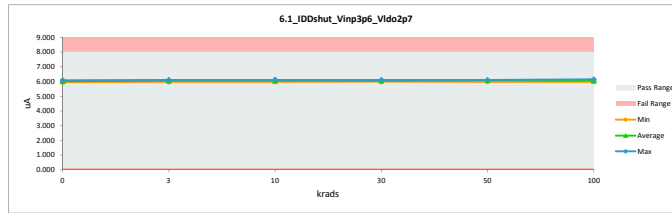


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6.1_IDDshut_Vinp3p6_Vldo2p7				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	6.012	6.087	-0.075
3	A116_Biased	6.097	6.094	0.003
3	A117_Biased	6.078	6.079	-0.001
3	B36_Biased	6.095	6.089	0.006
3	B37_Biased	6.065	6.091	-0.026
3	C39_Biased	6.082	6.071	0.011
3	A118_Unbiased	6.046	6.048	-0.002
3	A140_Unbiased	6.012	5.994	0.018
3	B38_Unbiased	6.044	6.046	-0.002
3	B39_Unbiased	6.080	6.104	-0.024
3	C40_Unbiased	5.994	5.986	0.008
10	A119_Biased	6.104	6.111	-0.007
10	A120_Biased	6.089	6.115	-0.026
10	B40_Biased	6.035	6.059	-0.024
10	C41_Biased	6.046	6.041	0.005
10	C42_Biased	5.996	5.989	0.007
10	A121_Unbiased	6.065	6.091	-0.026
10	A124_Unbiased	6.025	6.051	-0.026
10	B41_Unbiased	6.077	6.100	-0.023
10	C43_Unbiased	6.061	6.059	0.002
10	C44_Unbiased	6.036	6.030	0.006
30	A125_Biased	6.081	6.092	-0.011
30	B42_Biased	6.095	6.101	-0.006
30	B43_Biased	6.064	6.088	-0.024
30	C45_Biased	6.056	6.054	0.002
30	C46_Biased	6.020	6.010	0.010
30	A127_Unbiased	6.057	6.081	-0.024
30	B45_Unbiased	6.069	6.097	-0.028
30	B47_Unbiased	6.005	6.008	-0.003
30	C47_Unbiased	5.999	5.993	0.006
30	C50_Unbiased	6.042	6.042	0.000
50	A128_Biased	6.089	6.089	0.000
50	A129_Biased	6.084	6.092	-0.008
50	B48_Biased	6.069	6.092	-0.023
50	B49_Biased	6.066	6.093	-0.027
50	C51_Biased	6.088	6.099	-0.011
50	A130_Unbiased	6.068	6.091	-0.023
50	A131_Unbiased	6.087	6.096	-0.009
50	B50_Unbiased	6.082	6.103	-0.021
50	B51_Unbiased	6.012	6.099	-0.087
50	C53_Unbiased	5.996	5.987	0.009
0	106_Corr	5.974	5.956	0.018
100	A132_Biased	6.048	6.072	-0.024
100	A134_Biased	6.049	6.146	-0.097
100	A135_Biased	6.015	6.030	-0.015
100	B52_Biased	6.011	6.011	0.000
100	B54_Biased	6.085	6.097	-0.012
100	B55_Biased	6.050	6.076	-0.026
100	B56_Biased	6.075	6.074	0.001
100	B57_Biased	5.995	6.021	-0.026
100	B59_Biased	6.071	6.102	-0.031
100	B62_Biased	6.093	6.085	0.008
100	B63_Biased	6.069	6.062	0.007
100	B64_Biased	6.104	6.095	0.009
100	B66_Biased	6.109	6.100	0.009
100	B68_Biased	6.107	6.097	0.010
100	C54_Biased	6.096	6.087	0.009
100	C55_Biased	6.005	5.999	0.006
100	C56_Biased	6.085	6.083	0.002
100	C57_Biased	6.010	6.000	0.010
100	C58_Biased	6.031	6.023	0.008
100	C59_Biased	6.041	6.037	0.004
100	C65_Biased	6.033	6.031	0.002
100	C67_Biased	5.994	5.987	0.007
100	A122_Unbiased	6.058	6.081	-0.023
100	A138_Unbiased	5.973	5.990	-0.017
100	A139_Unbiased	6.062	6.087	-0.025
100	B60_Unbiased	6.098	6.091	0.007
100	B61_Unbiased	6.100	6.066	0.034
100	B69_Unbiased	6.098	6.088	0.010
100	B70_Unbiased	6.100	6.093	0.007
100	B71_Unbiased	6.026	6.017	0.009
100	B72_Unbiased	6.078	6.071	0.007
100	B73_Unbiased	6.080	6.071	0.009
100	B74_Unbiased	6.051	6.044	0.007
100	B77_Unbiased	6.035	6.032	0.003
100	B78_Unbiased	6.105	6.100	0.005
100	B79_Unbiased	6.101	6.092	0.009
100	B80_Unbiased	6.058	6.049	0.009
100	C70_Unbiased	6.041	6.033	0.008
100	C71_Unbiased	6.021	6.014	0.014
100	C72_Unbiased	6.053	6.046	0.007
100	C73_Unbiased	6.077	6.068	0.009
100	C75_Unbiased	6.019	6.008	0.011
100	C76_Unbiased	6.065	6.063	0.002
100	C78_Unbiased	6.081	6.081	0.000
	Max	6.109	6.146	0.034
	Average	6.056	6.062	-0.006
	Min	5.973	5.956	-0.097
	Std Dev	0.035	0.040	0.021

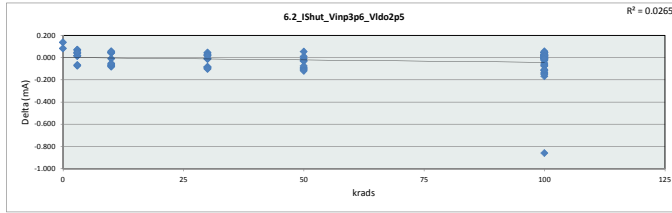


6.1_IDDshut_Vinp3p6_Vldo2p7						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.956	5.986	5.989	5.993	5.987	5.987
Average	6.022	6.060	6.065	6.058	6.084	6.059
Max	6.087	6.104	6.115	6.102	6.103	6.146
UL	8.000	8.000	8.000	8.000	8.000	8.000

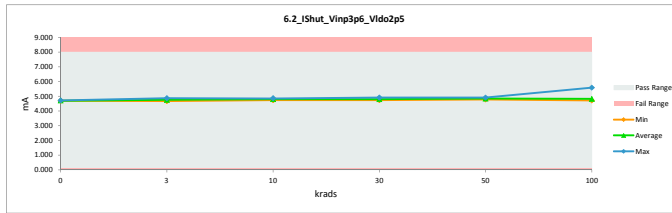


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6.2_Ishut_Vinp3p6_Vido2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	4.844	4.707	0.137
3	A116_Biased	4.902	4.861	0.041
3	A117_Biased	4.724	4.707	0.017
3	B36_Biased	4.762	4.720	0.042
3	B37_Biased	4.790	4.862	-0.072
3	C39_Biased	4.797	4.727	0.070
3	A118_Unbiased	4.685	4.668	0.017
3	A140_Unbiased	4.844	4.772	0.072
3	B38_Unbiased	4.772	4.755	0.017
3	B39_Unbiased	4.729	4.797	-0.068
3	C40_Unbiased	4.752	4.702	0.050
10	A119_Biased	4.814	4.823	-0.009
10	A120_Biased	4.778	4.852	-0.074
10	B40_Biased	4.757	4.823	-0.066
10	C41_Biased	4.838	4.795	0.043
10	C42_Biased	4.813	4.764	0.049
10	A121_Unbiased	4.727	4.808	-0.081
10	A124_Unbiased	4.645	4.732	-0.067
10	B41_Unbiased	4.709	4.762	-0.053
10	C43_Unbiased	4.852	4.806	0.046
10	C44_Unbiased	4.895	4.838	0.057
30	A125_Biased	4.768	4.860	-0.092
30	B42_Biased	4.874	4.885	-0.011
30	B43_Biased	4.706	4.790	-0.084
30	C45_Biased	4.790	4.767	0.023
30	C46_Biased	4.802	4.756	0.046
30	A127_Unbiased	4.730	4.813	-0.083
30	B45_Unbiased	4.804	4.906	-0.102
30	B47_Unbiased	4.717	4.725	-0.008
30	C47_Unbiased	4.753	4.722	0.031
30	C50_Unbiased	4.818	4.800	0.018
50	A128_Biased	4.799	4.804	-0.005
50	A129_Biased	4.764	4.796	-0.032
50	B48_Biased	4.721	4.827	-0.106
50	B49_Biased	4.780	4.879	-0.099
50	C51_Biased	4.796	4.784	0.012
50	A130_Unbiased	4.795	4.885	-0.090
50	A131_Unbiased	4.825	4.847	-0.022
50	B50_Unbiased	4.823	4.899	-0.076
50	B51_Unbiased	4.739	4.858	-0.119
50	C53_Unbiased	4.827	4.772	0.055
0	106_Corr	4.777	4.693	0.084
100	A132_Biased	4.688	4.822	-0.134
100	A134_Biased	4.714	5.574	-0.860
100	A135_Biased	4.718	4.779	-0.061
100	B52_Biased	4.737	4.786	-0.049
100	B54_Biased	4.754	4.827	-0.073
100	B55_Biased	4.656	4.771	-0.115
100	B56_Biased	4.862	4.889	-0.027
100	B57_Biased	4.689	4.857	-0.168
100	B59_Biased	4.712	4.857	-0.145
100	B62_Biased	4.925	4.915	0.010
100	B63_Biased	4.850	4.853	-0.003
100	B64_Biased	4.845	4.856	-0.011
100	B66_Biased	4.857	4.846	0.011
100	B68_Biased	4.817	4.837	-0.020
100	C54_Biased	4.838	4.832	0.006
100	C55_Biased	4.762	4.769	-0.007
100	C56_Biased	4.804	4.817	-0.013
100	C57_Biased	4.764	4.780	-0.016
100	C58_Biased	4.877	5.026	-0.149
100	C59_Biased	4.767	4.765	0.002
100	C65_Biased	4.792	4.084	0.004
100	C67_Biased	4.783	4.761	0.022
100	A122_Unbiased	4.721	4.837	-0.116
100	A138_Unbiased	4.683	4.758	-0.075
100	A139_Unbiased	4.682	4.788	-0.106
100	B60_Unbiased	4.851	4.823	0.028
100	B61_Unbiased	4.828	4.783	0.045
100	B69_Unbiased	4.851	4.804	0.047
100	B70_Unbiased	4.828	4.808	0.020
100	B71_Unbiased	4.778	4.759	0.019
100	B72_Unbiased	4.828	4.797	0.031
100	B73_Unbiased	4.819	4.798	0.021
100	B74_Unbiased	4.850	4.792	0.058
100	B77_Unbiased	4.805	4.812	-0.007
100	B78_Unbiased	4.846	4.850	-0.004
100	B79_Unbiased	4.780	4.766	0.014
100	B80_Unbiased	4.859	4.830	0.029
100	C70_Unbiased	4.810	4.765	0.045
100	C71_Unbiased	4.796	4.752	0.044
100	C72_Unbiased	4.785	4.762	0.023
100	C73_Unbiased	4.848	4.816	0.032
100	C75_Unbiased	4.768	4.720	0.048
100	C76_Unbiased	4.819	4.801	0.018
100	C79_Unbiased	4.805	4.815	-0.010
	Max	4.925	5.574	0.137
	Average	4.787	4.812	-0.024
	Min	4.656	4.668	-0.860
	Std Dev	0.058	0.101	0.110

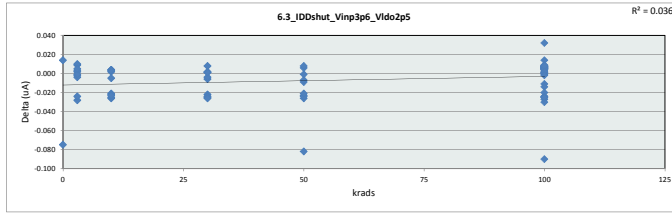


6.2_Ishut_Vinp3p6_Vido2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.693	4.668	4.732	4.722	4.772	4.720
Average	4.700	4.757	4.800	4.802	4.835	4.828
Max	4.707	4.862	4.852	4.906	4.899	5.574
UL	8.000	8.000	8.000	8.000	8.000	8.000

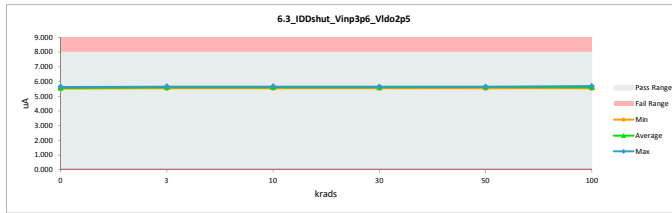


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6.3_IDDshut_Vinp3p6_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.564	5.639	-0.075
3	A116_Biased	5.647	5.644	0.003
3	A117_Biased	5.628	5.630	-0.002
3	B36_Biased	5.644	5.642	0.002
3	B37_Biased	5.615	5.643	-0.028
3	C39_Biased	5.632	5.623	0.009
3	A118_Unbiased	5.598	5.602	-0.004
3	A140_Unbiased	5.564	5.554	0.010
3	B38_Unbiased	5.597	5.598	-0.001
3	B39_Unbiased	5.631	5.655	-0.024
3	C40_Unbiased	5.551	5.546	0.005
10	A119_Biased	5.653	5.658	-0.005
10	A120_Biased	5.639	5.645	-0.006
10	B40_Biased	5.588	5.609	-0.021
10	C41_Biased	5.599	5.595	0.004
10	C42_Biased	5.552	5.548	0.004
10	A121_Unbiased	5.616	5.641	-0.025
10	A124_Unbiased	5.580	5.602	-0.022
10	B41_Unbiased	5.628	5.651	-0.023
10	C43_Unbiased	5.613	5.611	0.002
10	C44_Unbiased	5.589	5.586	0.003
30	A125_Biased	5.631	5.653	-0.022
30	B42_Biased	5.643	5.649	-0.006
30	B43_Biased	5.615	5.640	-0.025
30	C45_Biased	5.609	5.608	0.001
30	C46_Biased	5.576	5.568	0.008
30	A127_Unbiased	5.609	5.633	-0.024
30	B45_Unbiased	5.620	5.646	-0.026
30	B47_Unbiased	5.560	5.564	-0.004
30	C47_Unbiased	5.554	5.552	0.002
30	C50_Unbiased	5.595	5.595	0.001
50	A128_Biased	5.638	5.639	-0.001
50	A129_Biased	5.633	5.642	-0.009
50	B48_Biased	5.621	5.644	-0.023
50	B49_Biased	5.617	5.643	-0.026
50	C51_Biased	5.656	5.650	0.006
50	A130_Unbiased	5.619	5.643	-0.024
50	A131_Unbiased	5.637	5.644	-0.007
50	B50_Unbiased	5.632	5.653	-0.021
50	B51_Unbiased	5.566	5.648	-0.082
50	C53_Unbiased	5.553	5.545	0.008
0	106_Corr	5.530	5.516	0.014
100	A132_Biased	5.600	5.625	-0.025
100	A134_Biased	5.601	5.691	-0.090
100	A135_Biased	5.571	5.582	-0.011
100	B52_Biased	5.567	5.568	-0.001
100	B54_Biased	5.635	5.649	-0.014
100	B55_Biased	5.602	5.629	-0.027
100	B56_Biased	5.627	5.627	0.000
100	B57_Biased	5.552	5.576	-0.024
100	B59_Biased	5.621	5.651	-0.030
100	B62_Biased	5.642	5.635	0.007
100	B63_Biased	5.620	5.615	0.005
100	B64_Biased	5.653	5.645	0.008
100	B66_Biased	5.658	5.652	0.006
100	B68_Biased	5.655	5.648	0.007
100	C54_Biased	5.645	5.639	0.006
100	C55_Biased	5.561	5.557	0.004
100	C56_Biased	5.635	5.635	0.000
100	C57_Biased	5.566	5.558	0.008
100	C58_Biased	5.584	5.579	0.005
100	C59_Biased	5.594	5.589	0.005
100	C65_Biased	5.586	5.585	0.001
100	C67_Biased	5.551	5.545	0.006
100	A122_Unbiased	5.610	5.634	-0.024
100	A138_Unbiased	5.530	5.550	-0.020
100	A139_Unbiased	5.614	5.639	-0.025
100	B60_Unbiased	5.647	5.643	0.004
100	B61_Unbiased	5.650	5.618	0.032
100	B69_Unbiased	5.647	5.641	0.006
100	B70_Unbiased	5.650	5.642	0.008
100	B71_Unbiased	5.579	5.572	0.007
100	B72_Unbiased	5.629	5.624	0.005
100	B73_Unbiased	5.630	5.623	0.007
100	B74_Unbiased	5.604	5.597	0.007
100	B77_Unbiased	5.588	5.587	0.001
100	B78_Unbiased	5.654	5.649	0.005
100	B79_Unbiased	5.651	5.644	0.007
100	B80_Unbiased	5.610	5.604	0.006
100	C70_Unbiased	5.594	5.586	0.008
100	C71_Unbiased	5.562	5.562	0.014
100	C72_Unbiased	5.604	5.599	0.005
100	C73_Unbiased	5.627	5.618	0.009
100	C75_Unbiased	5.574	5.566	0.008
100	C76_Unbiased	5.617	5.615	0.002
100	C79_Unbiased	5.631	5.632	-0.002
	Max	5.658	5.691	0.032
	Average	5.608	5.614	-0.006
	Min	5.530	5.516	-0.090
	Std Dev	0.033	0.037	0.020

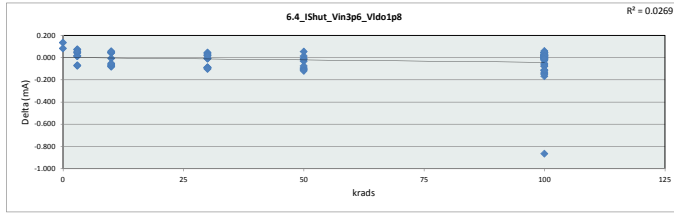


6.3_IDDshut_Vinp3p6_Vldo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.516	5.546	5.548	5.552	5.545	5.545
Average	5.578	5.614	5.617	5.611	5.635	5.612
Max	5.639	5.655	5.665	5.653	5.653	5.691
UL	8.000	8.000	8.000	8.000	8.000	8.000

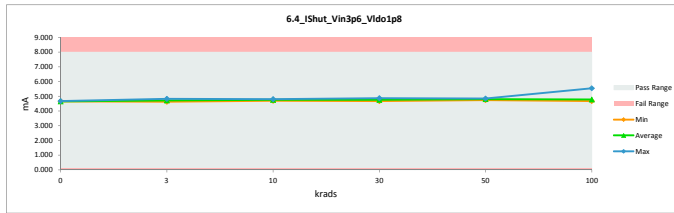


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6.4_Ishut_Vin3p6_Vido1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	4.798	4.663	0.135
3	A116_Biased	4.853	4.811	0.042
3	A117_Biased	4.676	4.661	0.015
3	B36_Biased	4.716	4.670	0.046
3	B37_Biased	4.740	4.813	-0.073
3	C39_Biased	4.752	4.681	0.071
3	A118_Unbiased	4.641	4.625	0.016
3	A140_Unbiased	4.789	4.722	0.076
3	B38_Unbiased	4.724	4.710	0.014
3	B39_Unbiased	4.680	4.750	-0.070
3	C40_Unbiased	4.709	4.656	0.053
10	A119_Biased	4.770	4.775	-0.005
10	A120_Biased	4.730	4.807	-0.077
10	B40_Biased	4.707	4.771	-0.064
10	C41_Biased	4.791	4.749	0.042
10	C42_Biased	4.768	4.720	0.048
10	A121_Unbiased	4.678	4.759	-0.081
10	A124_Unbiased	4.618	4.687	-0.069
10	B41_Unbiased	4.661	4.713	-0.052
10	C43_Unbiased	4.807	4.760	0.047
10	C44_Unbiased	4.846	4.788	0.058
30	A125_Biased	4.720	4.814	-0.094
30	B42_Biased	4.825	4.835	-0.010
30	B43_Biased	4.656	4.745	-0.089
30	C45_Biased	4.745	4.721	0.024
30	C46_Biased	4.757	4.710	0.047
30	A127_Unbiased	4.684	4.770	-0.086
30	B45_Unbiased	4.754	4.856	-0.102
30	B47_Unbiased	4.671	4.676	-0.005
30	C47_Unbiased	4.710	4.677	0.033
30	C50_Unbiased	4.772	4.755	0.017
50	A128_Biased	4.753	4.759	-0.006
50	A129_Biased	4.719	4.750	-0.031
50	B48_Biased	4.672	4.780	-0.108
50	B49_Biased	4.730	4.831	-0.101
50	C51_Biased	4.749	4.734	0.015
50	A130_Unbiased	4.746	4.839	-0.093
50	A131_Unbiased	4.779	4.798	-0.019
50	B50_Unbiased	4.774	4.849	-0.075
50	B51_Unbiased	4.692	4.810	-0.118
50	C53_Biased	4.782	4.727	0.055
0	106_Corr	4.731	4.647	0.084
100	A132_Biased	4.639	4.775	-0.136
100	A134_Biased	4.664	5.529	-0.865
100	A135_Biased	4.670	4.735	-0.065
100	B52_Biased	4.691	4.743	-0.052
100	B54_Biased	4.706	4.780	-0.074
100	B55_Biased	4.608	4.725	-0.117
100	B56_Biased	4.813	4.838	-0.025
100	B57_Biased	4.640	4.808	-0.168
100	B59_Biased	4.663	4.808	-0.145
100	B62_Biased	4.875	4.864	0.011
100	B63_Biased	4.802	4.803	-0.001
100	B64_Biased	4.798	4.811	-0.013
100	B66_Biased	4.809	4.797	0.012
100	B68_Biased	4.770	4.789	-0.019
100	C54_Biased	4.791	4.783	0.008
100	C55_Biased	4.716	4.723	-0.007
100	C56_Biased	4.759	4.772	-0.013
100	C57_Biased	4.721	4.737	-0.016
100	C58_Biased	4.831	4.980	-0.149
100	C59_Biased	4.722	4.722	0.000
100	C65_Biased	4.744	4.742	0.002
100	C67_Biased	4.739	4.717	0.022
100	A122_Unbiased	4.671	4.789	-0.118
100	A138_Unbiased	4.636	4.714	-0.078
100	A139_Unbiased	4.635	4.745	-0.110
100	B60_Unbiased	4.804	4.774	0.030
100	B61_Unbiased	4.781	4.736	0.045
100	B69_Unbiased	4.804	4.756	0.048
100	B70_Unbiased	4.781	4.761	0.020
100	B71_Unbiased	4.733	4.712	0.021
100	B72_Unbiased	4.780	4.749	0.031
100	B73_Unbiased	4.773	4.754	0.019
100	B74_Unbiased	4.803	4.743	0.060
100	B77_Unbiased	4.758	4.764	-0.006
100	B78_Unbiased	4.798	4.798	0.000
100	B79_Unbiased	4.735	4.722	0.013
100	B80_Unbiased	4.812	4.785	0.027
100	C70_Unbiased	4.764	4.721	0.043
100	C71_Unbiased	4.751	4.707	0.044
100	C72_Unbiased	4.740	4.716	0.024
100	C73_Unbiased	4.802	4.771	0.031
100	C75_Unbiased	4.723	4.675	0.048
100	C76_Unbiased	4.774	4.757	0.017
100	C79_Unbiased	4.760	4.770	-0.010
	Max	4.875	5.529	0.135
	Average	4.740	4.765	-0.024
	Min	4.608	4.625	-0.865
	Std Dev	0.058	0.100	0.111

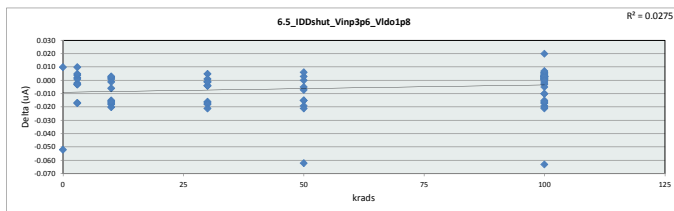


6.4_Ishut_Vin3p6_Vido1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.647	4.625	4.687	4.676	4.727	4.675
Average	4.655	4.710	4.753	4.756	4.788	4.782
Max	4.663	4.813	4.807	4.856	4.849	5.529
UL	8.000	8.000	8.000	8.000	8.000	8.000

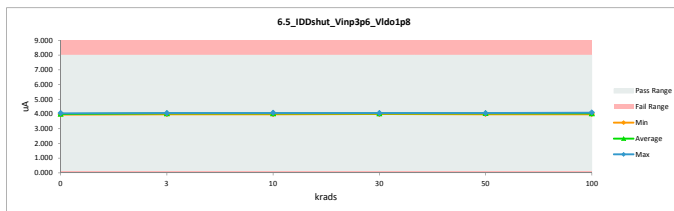


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6.5_IDDshut_Vinp3p6_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	4.006	4.058	-0.052
3	A116_Biased	4.064	4.062	0.002
3	A117_Biased	4.051	4.053	-0.002
3	B36_Biased	4.062	4.061	0.001
3	B37_Biased	4.042	4.059	-0.017
3	C39_Biased	4.053	4.049	0.004
3	A118_Unbiased	4.030	4.033	-0.003
3	A140_Unbiased	4.006	3.996	0.010
3	B38_Unbiased	4.028	4.031	-0.003
3	B39_Unbiased	4.052	4.069	-0.017
3	C40_Unbiased	3.995	3.990	0.005
10	A119_Biased	4.069	4.075	-0.006
10	A120_Biased	4.058	4.078	-0.020
10	B40_Biased	4.023	4.038	-0.015
10	C41_Biased	4.029	4.030	-0.001
10	C42_Biased	3.995	3.993	0.002
10	A121_Unbiased	4.043	4.033	-0.018
10	A124_Unbiased	4.016	4.033	-0.017
10	B41_Unbiased	4.051	4.067	-0.016
10	C43_Unbiased	4.039	4.038	0.001
10	C44_Unbiased	4.023	4.020	0.003
30	A125_Biased	4.068	4.066	-0.016
30	B42_Biased	4.062	4.066	-0.004
30	B43_Biased	4.042	4.059	-0.017
30	C45_Biased	4.036	4.037	-0.001
30	C46_Biased	4.013	4.008	0.005
30	A127_Unbiased	4.036	4.054	-0.018
30	B45_Unbiased	4.045	4.066	-0.021
30	B47_Unbiased	4.002	4.006	-0.004
30	C47_Unbiased	3.997	3.996	0.001
30	C50_Unbiased	4.007	4.028	-0.021
50	A128_Biased	4.059	4.059	0.000
50	A129_Biased	4.055	4.060	-0.005
50	B48_Biased	4.045	4.064	-0.019
50	B49_Biased	4.043	4.064	-0.021
50	C51_Biased	4.070	4.067	0.003
50	A130_Unbiased	4.045	4.060	-0.015
50	A131_Unbiased	4.057	4.064	-0.007
50	B50_Unbiased	4.054	4.069	-0.015
50	B51_Unbiased	4.007	4.069	-0.062
50	C53_Unbiased	3.996	3.990	0.006
0	106_Corr	3.980	3.970	0.010
100	A132_Biased	4.030	4.049	-0.019
100	A134_Biased	4.032	4.096	-0.063
100	A135_Biased	4.039	4.019	-0.010
100	B52_Biased	4.007	4.006	0.001
100	B54_Biased	4.055	4.065	-0.010
100	B55_Biased	4.032	4.053	-0.021
100	B56_Biased	4.049	4.052	-0.003
100	B57_Biased	3.996	4.013	-0.017
100	B59_Biased	4.047	4.067	-0.020
100	B62_Biased	4.061	4.058	0.003
100	B63_Biased	4.045	4.042	0.003
100	B64_Biased	4.069	4.066	0.003
100	B66_Biased	4.071	4.067	0.004
100	B68_Biased	4.071	4.065	0.006
100	C54_Biased	4.063	4.060	0.003
100	C55_Biased	4.003	4.000	0.003
100	C56_Biased	4.055	4.057	-0.002
100	C57_Biased	4.006	4.001	0.005
100	C58_Biased	4.019	4.018	0.001
100	C59_Biased	4.027	4.026	0.001
100	C65_Biased	4.022	4.022	-0.001
100	C67_Biased	3.995	3.991	0.004
100	A122_Unbiased	4.037	4.054	-0.017
100	A138_Unbiased	3.981	3.996	-0.015
100	A139_Unbiased	4.041	4.057	-0.016
100	B60_Unbiased	4.064	4.064	0.000
100	B61_Unbiased	4.066	4.046	0.020
100	B69_Unbiased	4.064	4.061	0.003
100	B70_Unbiased	4.066	4.063	0.003
100	B71_Unbiased	4.015	4.012	0.003
100	B72_Unbiased	4.051	4.046	0.005
100	B73_Unbiased	4.053	4.050	0.003
100	B74_Unbiased	4.032	4.031	0.001
100	B77_Unbiased	4.022	4.021	0.001
100	B78_Unbiased	4.069	4.068	0.001
100	B79_Unbiased	4.066	4.064	0.002
100	B80_Unbiased	4.037	4.034	0.003
100	C70_Unbiased	4.026	4.024	0.002
100	C71_Unbiased	4.013	4.007	0.006
100	C72_Unbiased	4.033	4.031	0.002
100	C73_Unbiased	4.050	4.047	0.003
100	C75_Unbiased	4.012	4.005	0.007
100	C76_Unbiased	4.043	4.043	0.000
100	C78_Unbiased	4.052	4.052	-0.001
	Max	4.071	4.095	0.020
	Average	4.036	4.042	-0.006
	Min	3.980	3.970	-0.063
	Std Dev	0.024	0.026	0.014

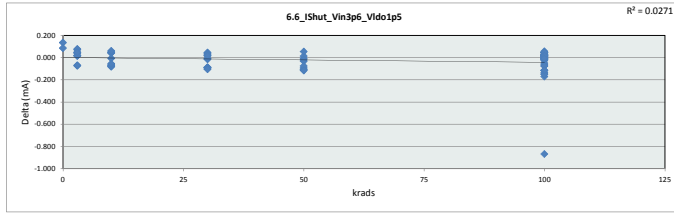


6.5_IDDshut_Vinp3p6_Vldo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.970	3.990	3.993	3.996	3.990	3.991
Average	4.014	4.040	4.043	4.039	4.057	4.040
Max	4.058	4.069	4.078	4.068	4.069	4.095
UL	8.000	8.000	8.000	8.000	8.000	8.000

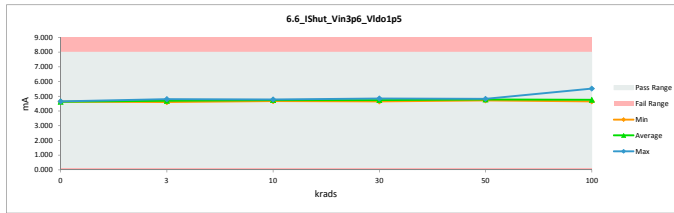


TID 100krad HDR Report
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6.6_IShut_Vin3p6_VIdo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	4.775	4.639	0.136
3	A116_Biased	4.829	4.789	0.040
3	A117_Biased	4.654	4.637	0.017
3	B36_Biased	4.694	4.648	0.046
3	B37_Biased	4.716	4.789	-0.073
3	C39_Biased	4.730	4.658	0.072
3	A118_Unbiased	4.620	4.601	0.019
3	A140_Unbiased	4.775	4.698	0.077
3	B38_Unbiased	4.701	4.685	0.016
3	B39_Unbiased	4.657	4.726	-0.069
3	C40_Unbiased	4.688	4.638	0.050
10	A119_Biased	4.748	4.754	-0.006
10	A120_Biased	4.708	4.785	-0.077
10	B40_Biased	4.683	4.749	-0.066
10	C41_Biased	4.768	4.726	0.042
10	C42_Biased	4.747	4.697	0.050
10	A121_Unbiased	4.656	4.737	-0.081
10	A124_Unbiased	4.595	4.644	-0.069
10	B41_Unbiased	4.637	4.691	-0.054
10	C43_Unbiased	4.783	4.739	0.044
10	C44_Unbiased	4.824	4.763	0.061
30	A125_Biased	4.696	4.799	-0.093
30	B42_Biased	4.801	4.815	-0.014
30	B43_Biased	4.633	4.723	-0.090
30	C45_Biased	4.723	4.699	0.024
30	C46_Biased	4.736	4.689	0.047
30	A127_Unbiased	4.642	4.748	-0.086
30	B45_Unbiased	4.730	4.834	-0.104
30	B47_Unbiased	4.648	4.655	-0.007
30	C47_Unbiased	4.688	4.654	0.034
30	C50_Unbiased	4.750	4.732	0.018
50	A128_Biased	4.730	4.736	-0.006
50	A129_Biased	4.697	4.728	-0.031
50	B48_Biased	4.648	4.757	-0.109
50	B49_Biased	4.705	4.808	-0.103
50	C51_Biased	4.728	4.713	0.015
50	A130_Unbiased	4.722	4.815	-0.093
50	A131_Unbiased	4.756	4.776	-0.020
50	B50_Unbiased	4.751	4.827	-0.076
50	B51_Unbiased	4.669	4.786	-0.117
50	C53_Unbiased	4.762	4.707	0.055
0	106_Corr	4.709	4.623	0.086
100	A132_Biased	4.616	4.753	-0.137
100	A134_Biased	4.642	5.509	-0.867
100	A135_Biased	4.646	4.711	-0.065
100	B52_Biased	4.669	4.718	-0.049
100	B54_Biased	4.683	4.757	-0.074
100	B55_Biased	4.585	4.701	-0.116
100	B56_Biased	4.789	4.815	-0.026
100	B57_Biased	4.616	4.785	-0.169
100	B59_Biased	4.639	4.787	-0.148
100	B62_Biased	4.852	4.843	0.009
100	B63_Biased	4.779	4.782	-0.003
100	B64_Biased	4.775	4.787	-0.012
100	B66_Biased	4.787	4.777	0.010
100	B68_Biased	4.747	4.766	-0.019
100	C54_Biased	4.768	4.760	0.008
100	C55_Biased	4.693	4.702	-0.009
100	C56_Biased	4.736	4.750	-0.014
100	C57_Biased	4.699	4.716	-0.017
100	C58_Biased	4.808	4.957	-0.149
100	C59_Biased	4.701	4.701	0.000
100	C65_Biased	4.722	4.718	0.004
100	C67_Biased	4.718	4.695	0.023
100	A122_Unbiased	4.647	4.764	-0.117
100	A138_Unbiased	4.615	4.691	-0.076
100	A139_Unbiased	4.612	4.724	-0.112
100	B60_Unbiased	4.781	4.753	0.028
100	B61_Unbiased	4.758	4.715	0.043
100	B69_Unbiased	4.781	4.732	0.049
100	B70_Unbiased	4.758	4.739	0.019
100	B71_Unbiased	4.711	4.690	0.021
100	B72_Unbiased	4.758	4.726	0.032
100	B73_Unbiased	4.751	4.731	0.020
100	B74_Unbiased	4.780	4.722	0.058
100	B77_Unbiased	4.736	4.741	-0.005
100	B78_Unbiased	4.774	4.777	-0.003
100	B79_Unbiased	4.712	4.698	0.014
100	B80_Unbiased	4.790	4.762	0.028
100	C70_Unbiased	4.742	4.697	0.045
100	C71_Unbiased	4.730	4.684	0.046
100	C72_Unbiased	4.719	4.696	0.023
100	C73_Unbiased	4.780	4.749	0.031
100	C75_Unbiased	4.700	4.652	0.048
100	C76_Unbiased	4.751	4.735	0.016
100	C79_Unbiased	4.737	4.747	-0.010
	Max	4.852	5.509	0.136
	Average	4.718	4.742	-0.025
	Min	4.585	4.601	-0.867
	Std Dev	0.058	0.101	0.111

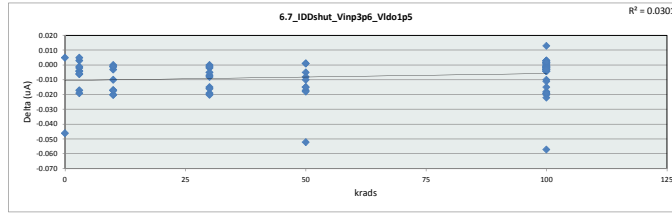


6.6_IShut_Vin3p6_VIdo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.623	4.601	4.664	4.654	4.707	4.652
Average	4.631	4.687	4.731	4.734	4.765	4.759
Max	4.639	4.789	4.785	4.834	4.827	5.509
UL	8.000	8.000	8.000	8.000	8.000	8.000

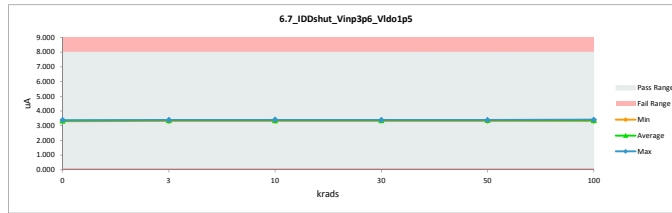


TID 100krad HDR Report
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6.7_IDDshut_Vinp3p6_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.336	3.382	-0.046
3	A116_Biased	3.385	3.389	-0.004
3	A117_Biased	3.374	3.378	-0.004
3	B36_Biased	3.384	3.386	-0.002
3	B37_Biased	3.367	3.384	-0.017
3	C39_Biased	3.376	3.373	0.003
3	A118_Unbiased	3.357	3.363	-0.006
3	A140_Unbiased	3.336	3.331	0.005
3	B38_Unbiased	3.355	3.361	-0.006
3	B39_Unbiased	3.375	3.394	-0.019
3	C40_Unbiased	3.328	3.329	-0.001
10	A119_Biased	3.388	3.398	-0.010
10	A120_Biased	3.400	3.400	-0.020
10	B40_Biased	3.350	3.367	-0.017
10	C41_Biased	3.356	3.357	-0.001
10	C42_Biased	3.329	3.329	0.000
10	A121_Unbiased	3.367	3.384	-0.017
10	A124_Unbiased	3.344	3.364	-0.020
10	B41_Unbiased	3.375	3.392	-0.017
10	C43_Unbiased	3.365	3.368	-0.003
10	C44_Unbiased	3.350	3.351	-0.001
30	A125_Biased	3.376	3.391	-0.015
30	B42_Biased	3.382	3.390	-0.008
30	B43_Biased	3.366	3.382	-0.016
30	C45_Biased	3.362	3.364	-0.002
30	C46_Biased	3.341	3.341	0.000
30	A127_Unbiased	3.362	3.381	-0.019
30	B45_Unbiased	3.370	3.390	-0.020
30	B47_Unbiased	3.334	3.341	-0.007
30	C47_Unbiased	3.330	3.331	-0.001
30	C50_Unbiased	3.353	3.358	-0.005
50	A128_Biased	3.380	3.385	-0.005
50	A129_Biased	3.378	3.386	-0.008
50	B48_Biased	3.370	3.387	-0.017
50	B49_Biased	3.367	3.385	-0.018
50	C51_Biased	3.390	3.389	0.001
50	A130_Unbiased	3.369	3.384	-0.015
50	A131_Unbiased	3.379	3.389	-0.010
50	B50_Unbiased	3.376	3.391	-0.015
50	B51_Unbiased	3.338	3.390	-0.052
50	C53_Unbiased	3.329	3.328	0.001
0	106_Corr	3.315	3.310	0.005
100	A132_Biased	3.357	3.375	-0.018
100	A134_Biased	3.359	3.416	-0.057
100	A135_Biased	3.340	3.350	-0.010
100	B52_Biased	3.337	3.341	-0.004
100	B54_Biased	3.378	3.389	-0.011
100	B55_Biased	3.358	3.377	-0.019
100	B56_Biased	3.373	3.377	-0.004
100	B57_Biased	3.328	3.348	-0.020
100	B59_Biased	3.370	3.392	-0.022
100	B62_Biased	3.382	3.385	-0.003
100	B63_Biased	3.369	3.371	-0.002
100	B64_Biased	3.389	3.387	0.002
100	B66_Biased	3.392	3.389	0.003
100	B68_Biased	3.391	3.388	0.003
100	C54_Biased	3.384	3.384	0.000
100	C55_Biased	3.333	3.337	-0.004
100	C56_Biased	3.378	3.382	-0.004
100	C57_Biased	3.337	3.334	0.003
100	C58_Biased	3.347	3.346	0.001
100	C59_Biased	3.353	3.356	-0.003
100	C65_Biased	3.348	3.352	-0.004
100	C67_Biased	3.326	3.328	-0.002
100	A122_Unbiased	3.363	3.382	-0.019
100	A138_Unbiased	3.316	3.331	-0.015
100	A139_Unbiased	3.366	3.385	-0.019
100	B60_Unbiased	3.385	3.384	0.001
100	B61_Unbiased	3.386	3.373	0.013
100	B69_Unbiased	3.385	3.383	0.002
100	B70_Unbiased	3.386	3.387	-0.001
100	B71_Unbiased	3.345	3.347	-0.002
100	B72_Unbiased	3.373	3.376	-0.003
100	B73_Unbiased	3.375	3.377	-0.002
100	B74_Unbiased	3.359	3.357	0.002
100	B77_Unbiased	3.350	3.353	-0.003
100	B78_Unbiased	3.390	3.392	-0.002
100	B79_Unbiased	3.387	3.388	-0.001
100	B80_Unbiased	3.363	3.363	0.000
100	C70_Unbiased	3.354	3.354	0.000
100	C71_Unbiased	3.342	3.340	0.002
100	C72_Unbiased	3.360	3.361	-0.001
100	C73_Unbiased	3.373	3.374	-0.001
100	C75_Unbiased	3.341	3.339	0.002
100	C76_Unbiased	3.368	3.370	-0.002
100	C79_Unbiased	3.375	3.378	-0.003
	Max	3.392	3.416	0.013
	Average	3.362	3.369	-0.008
	Min	3.315	3.310	-0.057
	Std Dev	0.020	0.022	0.012

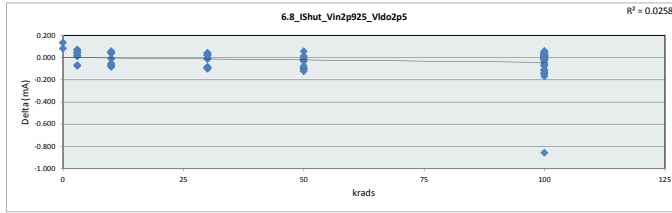


6.7_IDDshut_Vinp3p6_Vldo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8 uA					
Min Limit	0.1 uA					
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.310	3.329	3.329	3.331	3.328	3.328
Average	3.346	3.369	3.371	3.367	3.381	3.368
Max	3.382	3.394	3.400	3.391	3.391	3.416
UL	8.000	8.000	8.000	8.000	8.000	8.000

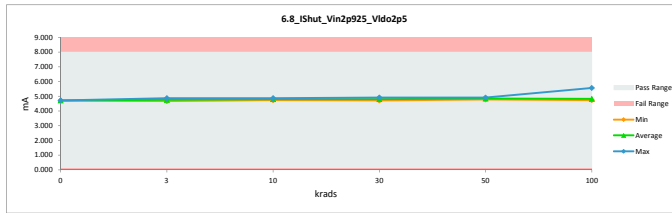


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6.8_Ishut_Vin2p925_VIdo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	4.844	4.708	0.136
3	A116_Biased	4.900	4.859	0.041
3	A117_Biased	4.722	4.704	0.018
3	B36_Biased	4.760	4.717	0.043
3	B37_Biased	4.788	4.860	-0.072
3	C39_Unbiased	4.793	4.724	0.069
3	A118_Unbiased	4.682	4.665	0.017
3	A140_Unbiased	4.844	4.771	0.073
3	B38_Unbiased	4.768	4.754	0.014
3	B39_Unbiased	4.727	4.796	-0.069
3	C40_Unbiased	4.750	4.701	0.049
10	A119_Biased	4.813	4.822	-0.009
10	A120_Biased	4.775	4.853	-0.078
10	B40_Biased	4.755	4.821	-0.066
10	C41_Biased	4.835	4.795	0.040
10	C42_Biased	4.811	4.763	0.048
10	A121_Unbiased	4.726	4.807	-0.081
10	A124_Unbiased	4.663	4.732	-0.069
10	B41_Unbiased	4.708	4.761	-0.053
10	C43_Unbiased	4.850	4.804	0.046
10	C44_Unbiased	4.893	4.835	0.058
30	A125_Biased	4.766	4.861	-0.095
30	B42_Biased	4.872	4.883	-0.011
30	B43_Biased	4.704	4.791	-0.087
30	C45_Biased	4.788	4.766	0.022
30	C46_Biased	4.800	4.756	0.044
30	A127_Unbiased	4.729	4.813	-0.084
30	B45_Unbiased	4.802	4.901	-0.099
30	B47_Unbiased	4.715	4.721	-0.006
30	C47_Unbiased	4.751	4.719	0.032
30	C50_Unbiased	4.817	4.797	0.020
50	A128_Biased	4.797	4.804	-0.007
50	A129_Biased	4.763	4.794	-0.031
50	B48_Biased	4.719	4.824	-0.105
50	B49_Biased	4.777	4.877	-0.100
50	C51_Biased	4.795	4.780	0.015
50	A130_Unbiased	4.793	4.885	-0.092
50	A131_Unbiased	4.824	4.845	-0.021
50	B50_Unbiased	4.822	4.896	-0.074
50	B51_Unbiased	4.735	4.856	-0.121
50	C53_Unbiased	4.825	4.769	0.056
0	106_Corr	4.775	4.691	0.084
100	A132_Biased	4.686	4.820	-0.134
100	A134_Biased	4.711	5.567	-0.856
100	A135_Biased	4.776	4.778	-0.002
100	B52_Biased	4.735	4.783	-0.048
100	B54_Biased	4.752	4.825	-0.073
100	B55_Biased	4.655	4.766	-0.111
100	B56_Biased	4.859	4.884	-0.025
100	B57_Biased	4.686	4.853	-0.167
100	B59_Biased	4.711	4.853	-0.142
100	B62_Biased	4.922	4.912	0.010
100	B63_Biased	4.847	4.850	-0.003
100	B64_Biased	4.843	4.854	-0.011
100	B66_Biased	4.854	4.844	0.010
100	B68_Biased	4.815	4.836	-0.021
100	C54_Biased	4.837	4.830	0.007
100	C55_Biased	4.760	4.766	-0.006
100	C56_Biased	4.802	4.817	-0.015
100	C57_Biased	4.761	4.776	-0.015
100	C58_Biased	4.874	5.022	-0.148
100	C59_Biased	4.766	4.763	0.003
100	C65_Biased	4.799	4.786	0.013
100	C67_Biased	4.780	4.760	0.020
100	A122_Unbiased	4.719	4.835	-0.116
100	A138_Unbiased	4.682	4.757	-0.075
100	A139_Unbiased	4.680	4.789	-0.109
100	B60_Unbiased	4.850	4.820	0.030
100	B61_Unbiased	4.825	4.780	0.045
100	B69_Unbiased	4.850	4.801	0.049
100	B70_Unbiased	4.825	4.807	0.018
100	B71_Unbiased	4.776	4.759	0.017
100	B72_Unbiased	4.826	4.795	0.031
100	B73_Unbiased	4.817	4.798	0.019
100	B74_Unbiased	4.849	4.788	0.061
100	B77_Unbiased	4.803	4.809	-0.006
100	B78_Unbiased	4.844	4.845	-0.001
100	B79_Unbiased	4.779	4.764	0.015
100	B80_Unbiased	4.857	4.830	0.027
100	C70_Unbiased	4.807	4.764	0.043
100	C71_Unbiased	4.794	4.751	0.043
100	C72_Unbiased	4.784	4.760	0.024
100	C73_Unbiased	4.846	4.814	0.032
100	C75_Unbiased	4.766	4.721	0.045
100	C76_Unbiased	4.818	4.797	0.021
100	C79_Unbiased	4.802	4.813	-0.011
	Max	4.922	5.567	0.136
	Average	4.785	4.810	-0.024
	Min	4.655	4.665	-0.856
	Std Dev	0.058	0.100	0.110

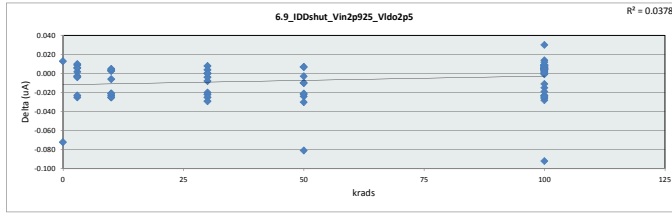


6.8_Ishut_Vin2p925_VIdo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.691	4.665	4.732	4.719	4.769	4.721
Average	4.700	4.755	4.799	4.801	4.833	4.826
Max	4.708	4.860	4.853	4.901	4.896	5.567
UL	8.000	8.000	8.000	8.000	8.000	8.000

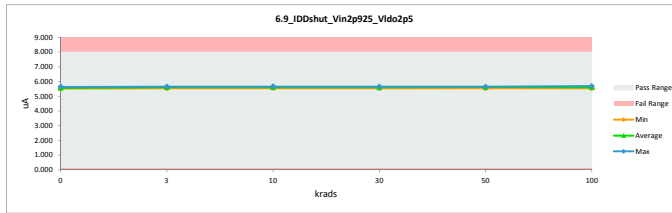


TID 100krad HDR Report
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6.9_IDDshut_Vin2p925_VIdo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.565	5.637	-0.072
3	A116_Biased	5.646	5.644	0.002
3	A117_Biased	5.628	5.631	-0.003
3	B36_Biased	5.644	5.638	0.006
3	B37_Biased	5.616	5.641	-0.025
3	C39_Biased	5.633	5.624	0.009
3	A118_Unbiased	5.598	5.601	-0.003
3	A140_Unbiased	5.565	5.555	0.010
3	B38_Unbiased	5.597	5.601	-0.004
3	B39_Unbiased	5.630	5.653	-0.023
3	C40_Unbiased	5.550	5.544	0.006
10	A119_Biased	5.652	5.658	-0.006
10	A120_Biased	5.639	5.644	-0.025
10	B40_Biased	5.589	5.610	-0.021
10	C41_Biased	5.599	5.596	0.003
10	C42_Biased	5.552	5.549	0.003
10	A121_Unbiased	5.617	5.640	-0.023
10	A124_Unbiased	5.579	5.604	-0.025
10	B41_Unbiased	5.628	5.649	-0.021
10	C43_Unbiased	5.614	5.610	0.004
10	C44_Unbiased	5.590	5.585	0.005
30	A125_Biased	5.631	5.651	-0.020
30	B42_Biased	5.644	5.652	-0.008
30	B43_Biased	5.615	5.637	-0.022
30	C45_Biased	5.608	5.608	0.000
30	C46_Biased	5.575	5.567	0.008
30	A127_Unbiased	5.609	5.634	-0.025
30	B45_Unbiased	5.620	5.649	-0.029
30	B47_Unbiased	5.561	5.565	-0.004
30	C47_Unbiased	5.555	5.551	0.004
30	C50_Unbiased	5.595	5.595	0.000
50	A128_Biased	5.638	5.641	-0.003
50	A129_Biased	5.634	5.644	-0.010
50	B48_Biased	5.621	5.645	-0.024
50	B49_Biased	5.616	5.646	-0.030
50	C51_Biased	5.656	5.649	0.007
50	A130_Unbiased	5.619	5.641	-0.022
50	A131_Unbiased	5.637	5.647	-0.010
50	B50_Unbiased	5.632	5.653	-0.021
50	B51_Unbiased	5.568	5.649	-0.081
50	C53_Unbiased	5.553	5.546	0.007
0	106_Corr	5.530	5.517	0.013
100	A132_Biased	5.600	5.623	-0.023
100	A134_Biased	5.601	5.693	-0.092
100	A135_Biased	5.570	5.585	-0.015
100	B52_Biased	5.567	5.568	-0.001
100	B54_Biased	5.635	5.646	-0.011
100	B55_Biased	5.602	5.628	-0.026
100	B56_Biased	5.626	5.626	0.000
100	B57_Biased	5.552	5.575	-0.023
100	B59_Biased	5.622	5.650	-0.028
100	B62_Biased	5.642	5.636	0.006
100	B63_Biased	5.620	5.616	0.004
100	B64_Biased	5.653	5.649	0.004
100	B66_Biased	5.658	5.649	0.009
100	B68_Biased	5.657	5.648	0.009
100	C54_Biased	5.646	5.638	0.008
100	C55_Biased	5.561	5.588	0.003
100	C56_Biased	5.635	5.635	0.000
100	C57_Biased	5.565	5.556	0.009
100	C58_Biased	5.585	5.580	0.005
100	C59_Biased	5.593	5.588	0.005
100	C65_Biased	5.587	5.585	0.002
100	C67_Biased	5.550	5.544	0.006
100	A122_Unbiased	5.609	5.634	-0.025
100	A138_Unbiased	5.531	5.550	-0.019
100	A139_Unbiased	5.614	5.638	-0.024
100	B60_Unbiased	5.647	5.642	0.005
100	B61_Unbiased	5.649	5.619	0.030
100	B69_Unbiased	5.647	5.641	0.006
100	B70_Unbiased	5.649	5.643	0.006
100	B71_Unbiased	5.590	5.572	0.008
100	B72_Unbiased	5.630	5.621	0.009
100	B73_Unbiased	5.630	5.626	0.004
100	B74_Unbiased	5.604	5.598	0.006
100	B77_Unbiased	5.589	5.585	0.004
100	B78_Unbiased	5.653	5.648	0.005
100	B79_Unbiased	5.650	5.642	0.008
100	B80_Unbiased	5.610	5.601	0.009
100	C70_Unbiased	5.595	5.588	0.007
100	C71_Unbiased	5.577	5.563	0.014
100	C72_Unbiased	5.606	5.601	0.005
100	C73_Unbiased	5.627	5.618	0.009
100	C75_Unbiased	5.575	5.563	0.012
100	C76_Unbiased	5.617	5.613	0.004
100	C79_Unbiased	5.631	5.630	0.001
	Max	5.658	5.693	0.030
	Average	5.608	5.614	-0.006
	Min	5.530	5.517	-0.092
	Std Dev	0.033	0.037	0.020

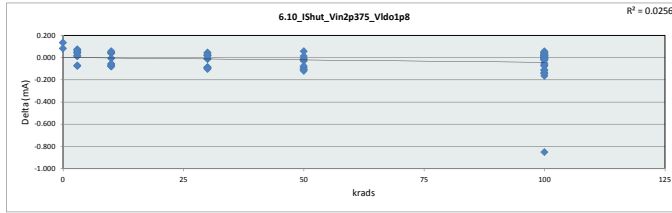


6.9_IDDshut_Vin2p925_VIdo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	uA				
Min Limit	0.1	uA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.517	5.544	5.549	5.551	5.546	5.544
Average	5.577	5.613	5.617	5.611	5.636	5.612
Max	5.637	5.653	5.664	5.652	5.653	5.693
UL	8.000	8.000	8.000	8.000	8.000	8.000

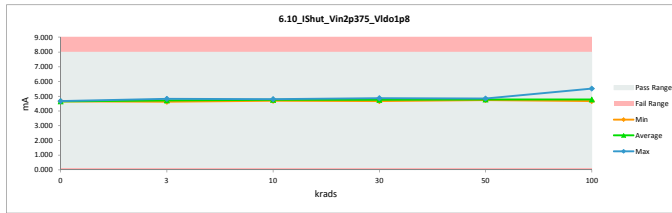


TID 100krad HDR Report
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6.10_Ishut_Vin2p375_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	4.795	4.659	0.136
3	A116_Biased	4.850	4.810	0.040
3	A117_Biased	4.674	4.658	0.016
3	B36_Biased	4.712	4.667	0.045
3	B37_Biased	4.737	4.809	-0.072
3	C39_Biased	4.747	4.677	0.070
3	A118_Unbiased	4.638	4.622	0.016
3	A140_Unbiased	4.795	4.720	0.075
3	B38_Unbiased	4.720	4.706	0.014
3	B39_Unbiased	4.677	4.748	-0.071
3	C40_Unbiased	4.706	4.653	0.053
10	A119_Biased	4.767	4.774	-0.007
10	A120_Biased	4.828	4.806	-0.078
10	B40_Biased	4.703	4.769	-0.066
10	C41_Biased	4.787	4.746	0.041
10	C42_Biased	4.764	4.717	0.047
10	A121_Unbiased	4.677	4.758	-0.078
10	A124_Unbiased	4.615	4.685	-0.070
10	B41_Unbiased	4.657	4.711	-0.054
10	C43_Unbiased	4.801	4.757	0.044
10	C44_Unbiased	4.843	4.786	0.057
30	A125_Biased	4.717	4.810	-0.093
30	B42_Biased	4.821	4.832	-0.011
30	B43_Biased	4.653	4.740	-0.087
30	C45_Biased	4.741	4.720	0.021
30	C46_Biased	4.754	4.708	0.046
30	A127_Unbiased	4.682	4.668	-0.086
30	B45_Unbiased	4.751	4.853	-0.102
30	B47_Unbiased	4.666	4.674	-0.008
30	C47_Unbiased	4.705	4.674	0.031
30	C50_Unbiased	4.752	4.716	0.036
50	A128_Biased	4.749	4.756	-0.007
50	A129_Biased	4.716	4.745	-0.029
50	B48_Biased	4.667	4.774	-0.107
50	B49_Biased	4.727	4.830	-0.103
50	C51_Biased	4.746	4.733	0.013
50	A130_Unbiased	4.744	4.835	-0.091
50	A131_Unbiased	4.776	4.795	-0.019
50	B50_Unbiased	4.771	4.847	-0.076
50	B51_Unbiased	4.806	4.806	-0.118
50	C53_Unbiased	4.780	4.724	0.056
0	106_Corr	4.727	4.644	0.083
100	A132_Biased	4.635	4.771	-0.136
100	A134_Biased	4.662	5.512	-0.850
100	A135_Biased	4.667	4.732	-0.065
100	B52_Biased	4.687	4.736	-0.049
100	B54_Biased	4.703	4.775	-0.072
100	B55_Biased	4.605	4.718	-0.113
100	B56_Biased	4.809	4.833	-0.024
100	B57_Biased	4.636	4.802	-0.166
100	B59_Biased	4.660	4.804	-0.144
100	B62_Biased	4.871	4.861	0.010
100	B63_Biased	4.798	4.799	-0.001
100	B64_Biased	4.794	4.805	-0.011
100	B66_Biased	4.805	4.796	0.009
100	B68_Biased	4.765	4.784	-0.019
100	C54_Biased	4.786	4.781	0.005
100	C55_Biased	4.712	4.720	-0.008
100	C56_Biased	4.755	4.768	-0.013
100	C57_Biased	4.717	4.733	-0.016
100	C58_Biased	4.826	4.969	-0.143
100	C59_Biased	4.718	4.716	0.002
100	C65_Biased	4.741	4.738	0.003
100	C67_Biased	4.735	4.714	0.021
100	A122_Unbiased	4.669	4.784	-0.115
100	A138_Unbiased	4.634	4.708	-0.074
100	A139_Unbiased	4.633	4.743	-0.110
100	B60_Unbiased	4.800	4.770	0.030
100	B61_Unbiased	4.776	4.731	0.045
100	B69_Unbiased	4.800	4.750	0.050
100	B70_Unbiased	4.776	4.756	0.020
100	B71_Unbiased	4.728	4.709	0.019
100	B72_Unbiased	4.776	4.745	0.031
100	B73_Unbiased	4.769	4.749	0.020
100	B74_Unbiased	4.798	4.740	0.058
100	B77_Unbiased	4.754	4.760	-0.006
100	B78_Unbiased	4.793	4.796	-0.003
100	B79_Unbiased	4.731	4.718	0.013
100	B80_Unbiased	4.808	4.781	0.027
100	C70_Unbiased	4.760	4.717	0.043
100	C71_Unbiased	4.746	4.703	0.043
100	C72_Unbiased	4.736	4.711	0.025
100	C73_Unbiased	4.798	4.766	0.032
100	C75_Unbiased	4.718	4.669	0.049
100	C76_Unbiased	4.769	4.750	0.019
100	C79_Unbiased	4.754	4.765	-0.011
	Max	4.871	5.512	0.136
	Average	4.737	4.761	-0.024
	Min	4.605	4.622	-0.850
	Std Dev	0.058	0.099	0.109

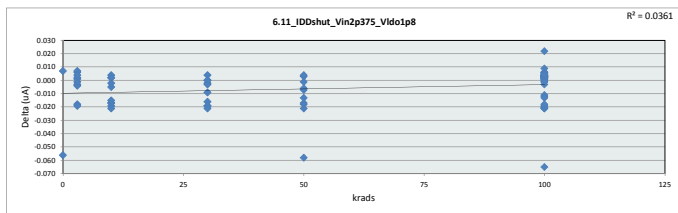


6.10_Ishut_Vin2p375_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.644	4.622	4.685	4.674	4.724	4.669
Average	4.652	4.707	4.751	4.753	4.785	4.777
Max	4.659	4.810	4.806	4.853	4.847	5.512
UL	8.000	8.000	8.000	8.000	8.000	8.000

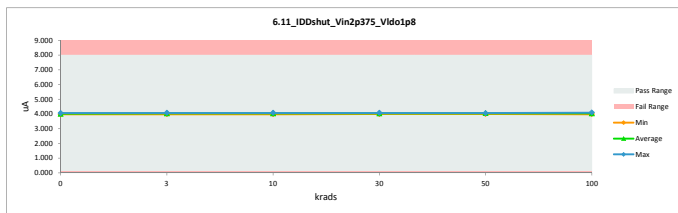


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6.11_IDDshut_Vin2p375_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	4.005	4.061	-0.056
3	A116_Biased	4.064	4.063	0.001
3	A117_Biased	4.051	4.054	-0.003
3	B36_Biased	4.062	4.060	0.002
3	B37_Biased	4.042	4.060	-0.018
3	C39_Biased	4.054	4.048	0.006
3	A118_Unbiased	4.030	4.034	-0.004
3	A140_Unbiased	4.005	3.998	0.007
3	B38_Unbiased	4.029	4.030	-0.001
3	B39_Unbiased	4.052	4.071	-0.019
3	C40_Unbiased	3.995	3.991	0.004
10	A119_Biased	4.068	4.073	-0.005
10	A120_Biased	4.076	4.076	-0.017
10	B40_Biased	4.022	4.041	-0.019
10	C41_Biased	4.030	4.028	0.002
10	C42_Biased	3.996	3.992	0.004
10	A121_Unbiased	4.042	4.063	-0.021
10	A124_Unbiased	4.016	4.033	-0.017
10	B41_Unbiased	4.051	4.066	-0.015
10	C43_Unbiased	4.040	4.042	-0.002
10	C44_Unbiased	4.023	4.021	0.002
30	A125_Biased	4.069	4.069	-0.016
30	B42_Biased	4.061	4.070	-0.009
30	B43_Biased	4.041	4.060	-0.019
30	C45_Biased	4.037	4.037	0.000
30	C46_Biased	4.012	4.008	0.004
30	A127_Unbiased	4.037	4.056	-0.019
30	B45_Unbiased	4.045	4.066	-0.021
30	B47_Unbiased	4.003	4.005	-0.002
30	C47_Unbiased	3.997	3.997	0.000
30	C50_Unbiased	4.027	4.030	-0.003
50	A128_Biased	4.059	4.060	-0.001
50	A129_Biased	4.055	4.062	-0.007
50	B48_Biased	4.046	4.064	-0.018
50	B49_Biased	4.043	4.064	-0.021
50	C51_Biased	4.070	4.067	0.003
50	A130_Unbiased	4.044	4.061	-0.017
50	A131_Unbiased	4.057	4.063	-0.006
50	B50_Unbiased	4.054	4.067	-0.013
50	B51_Unbiased	4.007	4.065	-0.058
50	C53_Unbiased	3.997	3.993	0.004
0	106_Corr	3.980	3.973	0.007
100	A132_Biased	4.029	4.050	-0.021
100	A134_Biased	4.032	4.097	-0.065
100	A135_Biased	4.029	4.021	-0.012
100	B52_Biased	4.007	4.008	-0.001
100	B54_Biased	4.056	4.067	-0.011
100	B55_Biased	4.033	4.053	-0.020
100	B56_Biased	4.049	4.048	0.001
100	B57_Biased	3.996	4.015	-0.019
100	B59_Biased	4.046	4.067	-0.021
100	B62_Biased	4.061	4.057	0.004
100	B63_Biased	4.045	4.042	0.003
100	B64_Biased	4.069	4.065	0.004
100	B66_Biased	4.072	4.066	0.006
100	B68_Biased	4.070	4.064	0.006
100	C54_Biased	4.062	4.059	0.003
100	C55_Biased	4.002	3.998	0.004
100	C56_Biased	4.055	4.054	0.001
100	C57_Biased	4.006	4.002	0.004
100	C58_Biased	4.019	4.017	0.002
100	C59_Biased	4.026	4.024	0.002
100	C65_Biased	4.021	4.024	-0.003
100	C67_Biased	3.995	3.991	0.004
100	A122_Unbiased	4.037	4.057	-0.020
100	A138_Unbiased	3.981	3.994	-0.013
100	A139_Unbiased	4.040	4.058	-0.018
100	B60_Unbiased	4.064	4.060	0.004
100	B61_Unbiased	4.066	4.044	0.022
100	B69_Unbiased	4.064	4.061	0.003
100	B70_Unbiased	4.066	4.063	0.003
100	B71_Unbiased	4.016	4.014	0.002
100	B72_Unbiased	4.052	4.047	0.005
100	B73_Unbiased	4.051	4.049	0.002
100	B74_Unbiased	4.033	4.031	0.002
100	B77_Unbiased	4.022	4.021	0.001
100	B78_Unbiased	4.069	4.068	0.001
100	B79_Unbiased	4.066	4.060	0.006
100	B80_Unbiased	4.037	4.034	0.003
100	C70_Unbiased	4.025	4.022	0.003
100	C71_Unbiased	4.013	4.004	0.009
100	C72_Unbiased	4.035	4.030	0.005
100	C73_Unbiased	4.049	4.047	0.002
100	C75_Unbiased	4.012	4.008	0.004
100	C76_Unbiased	4.042	4.042	0.000
100	C78_Unbiased	4.053	4.054	-0.001
	Max	4.072	4.097	0.022
	Average	4.036	4.042	-0.006
	Min	3.980	3.973	-0.065
	Std Dev	0.024	0.026	0.014

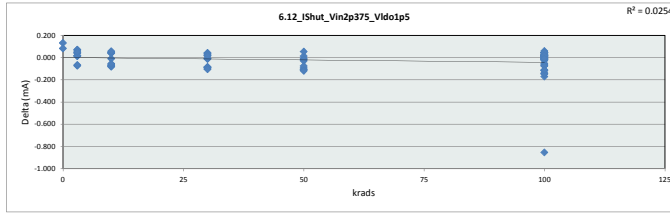


6.11_IDDshut_Vin2p375_Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.973	3.991	3.992	3.997	3.993	3.991
Average	4.017	4.041	4.044	4.040	4.057	4.040
Max	4.061	4.071	4.076	4.070	4.067	4.097
UL	8.000	8.000	8.000	8.000	8.000	8.000

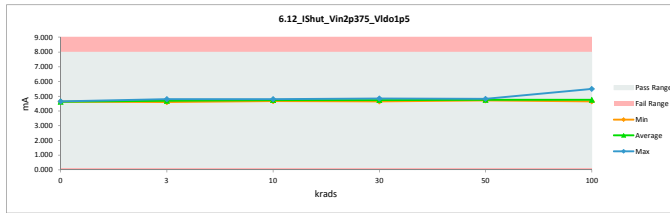


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6.12_Ishut_Vin2p375_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	4.772	4.639	0.133
3	A116_Biased	4.828	4.789	0.039
3	A117_Biased	4.652	4.637	0.015
3	B36_Biased	4.690	4.645	0.045
3	B37_Biased	4.715	4.787	-0.072
3	C39_Biased	4.726	4.656	0.070
3	A118_Unbiased	4.617	4.600	0.017
3	A140_Unbiased	4.772	4.699	0.073
3	B38_Unbiased	4.698	4.682	0.016
3	B39_Unbiased	4.655	4.723	-0.068
3	C40_Unbiased	4.684	4.633	0.051
10	A119_Biased	4.745	4.754	-0.009
10	A120_Biased	4.707	4.786	-0.079
10	B40_Biased	4.680	4.748	-0.068
10	C41_Biased	4.765	4.724	0.041
10	C42_Biased	4.743	4.698	0.045
10	A121_Unbiased	4.653	4.734	-0.081
10	A124_Unbiased	4.593	4.663	-0.070
10	B41_Unbiased	4.634	4.689	-0.055
10	C43_Unbiased	4.780	4.736	0.044
10	C44_Unbiased	4.820	4.763	0.057
30	A125_Biased	4.694	4.787	-0.093
30	B42_Biased	4.798	4.811	-0.013
30	B43_Biased	4.631	4.719	-0.088
30	C45_Biased	4.720	4.698	0.022
30	C46_Biased	4.733	4.689	0.044
30	A127_Unbiased	4.641	4.746	-0.085
30	B45_Unbiased	4.729	4.832	-0.103
30	B47_Unbiased	4.644	4.650	-0.006
30	C47_Unbiased	4.685	4.652	0.033
30	C50_Unbiased	4.737	4.730	0.017
50	A128_Biased	4.727	4.732	-0.005
50	A129_Biased	4.695	4.724	-0.029
50	B48_Biased	4.644	4.754	-0.110
50	B49_Biased	4.703	4.806	-0.103
50	C51_Biased	4.724	4.710	0.014
50	A130_Unbiased	4.721	4.813	-0.092
50	A131_Unbiased	4.755	4.774	-0.019
50	B50_Unbiased	4.747	4.821	-0.074
50	B51_Unbiased	4.665	4.784	-0.119
50	C53_Unbiased	4.759	4.704	0.055
0	106_Corr	4.706	4.623	0.083
100	A132_Biased	4.612	4.750	-0.138
100	A134_Biased	4.638	5.491	-0.853
100	A135_Biased	4.644	4.709	-0.065
100	B52_Biased	4.665	4.717	-0.052
100	B54_Biased	4.681	4.753	-0.072
100	B55_Biased	4.583	4.698	-0.115
100	B56_Biased	4.786	4.811	-0.025
100	B57_Biased	4.613	4.782	-0.169
100	B59_Biased	4.636	4.782	-0.146
100	B62_Biased	4.849	4.838	0.011
100	B63_Biased	4.774	4.779	-0.005
100	B64_Biased	4.771	4.785	-0.014
100	B66_Biased	4.782	4.774	0.008
100	B68_Biased	4.743	4.761	-0.018
100	C54_Biased	4.764	4.757	0.007
100	C55_Biased	4.690	4.698	-0.008
100	C56_Biased	4.733	4.749	-0.016
100	C57_Biased	4.696	4.712	-0.016
100	C58_Biased	4.804	4.947	-0.143
100	C59_Biased	4.697	4.696	0.001
100	C65_Biased	4.720	4.716	0.004
100	C67_Biased	4.715	4.692	0.023
100	A122_Unbiased	4.646	4.761	-0.115
100	A138_Unbiased	4.613	4.687	-0.074
100	A139_Unbiased	4.611	4.720	-0.109
100	B60_Unbiased	4.778	4.748	0.030
100	B61_Unbiased	4.754	4.708	0.046
100	B69_Unbiased	4.778	4.729	0.049
100	B70_Unbiased	4.754	4.735	0.019
100	B71_Unbiased	4.707	4.619	0.088
100	B72_Unbiased	4.754	4.723	0.031
100	B73_Unbiased	4.747	4.726	0.021
100	B74_Unbiased	4.777	4.718	0.059
100	B77_Unbiased	4.732	4.739	-0.007
100	B78_Unbiased	4.771	4.771	0.000
100	B79_Unbiased	4.708	4.694	0.014
100	B80_Unbiased	4.785	4.760	0.025
100	C70_Unbiased	4.738	4.693	0.045
100	C71_Unbiased	4.725	4.680	0.045
100	C72_Unbiased	4.715	4.693	0.022
100	C73_Unbiased	4.776	4.743	0.033
100	C75_Unbiased	4.696	4.649	0.047
100	C76_Unbiased	4.749	4.730	0.019
100	C79_Unbiased	4.732	4.742	-0.010
	Max	4.849	5.491	0.133
	Average	4.715	4.739	-0.025
	Min	4.583	4.600	-0.853
	Std Dev	0.058	0.099	0.110

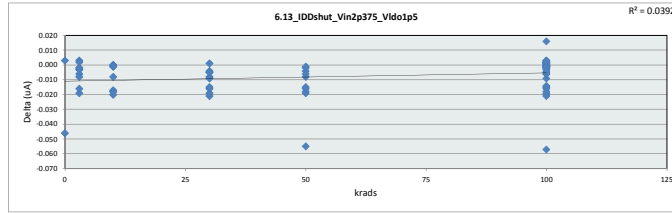


6.12_Ishut_Vin2p375_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.623	4.600	4.663	4.650	4.704	4.649
Average	4.631	4.685	4.730	4.731	4.762	4.755
Max	4.639	4.789	4.786	4.832	4.821	5.491
UL	8.000	8.000	8.000	8.000	8.000	8.000

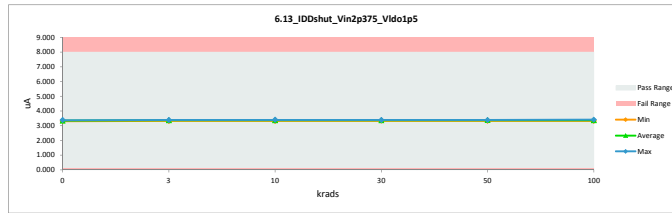


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6.13_IDDshut_Vin2p375_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.336	3.382	-0.046
3	A116_Biased	3.385	3.387	-0.002
3	A117_Biased	3.375	3.378	-0.003
3	B36_Biased	3.383	3.386	-0.003
3	B37_Biased	3.367	3.386	-0.019
3	C39_Biased	3.376	3.373	0.003
3	A118_Unbiased	3.356	3.362	-0.006
3	A140_Unbiased	3.336	3.334	0.002
3	B38_Unbiased	3.355	3.363	-0.008
3	B39_Unbiased	3.376	3.392	-0.016
3	C40_Unbiased	3.328	3.330	-0.002
10	A119_Biased	3.389	3.397	-0.008
10	A120_Biased	3.367	3.398	-0.018
10	B40_Biased	3.350	3.368	-0.018
10	C41_Biased	3.357	3.358	-0.001
10	C42_Biased	3.328	3.328	0.000
10	A121_Unbiased	3.367	3.387	-0.020
10	A124_Unbiased	3.346	3.363	-0.017
10	B41_Unbiased	3.374	3.392	-0.018
10	C43_Unbiased	3.366	3.366	0.000
10	C44_Unbiased	3.351	3.352	-0.001
30	A125_Biased	3.377	3.393	-0.016
30	B42_Biased	3.383	3.392	-0.009
30	B43_Biased	3.366	3.385	-0.019
30	C45_Biased	3.362	3.366	-0.004
30	C46_Biased	3.342	3.341	0.001
30	A127_Unbiased	3.363	3.378	-0.015
30	B45_Unbiased	3.369	3.390	-0.021
30	B47_Unbiased	3.334	3.342	-0.008
30	C47_Unbiased	3.329	3.334	-0.005
30	C50_Unbiased	3.354	3.359	-0.005
50	A128_Biased	3.381	3.385	-0.004
50	A129_Biased	3.378	3.386	-0.008
50	B48_Biased	3.370	3.385	-0.015
50	B49_Biased	3.367	3.386	-0.019
50	C51_Biased	3.399	3.392	-0.014
50	A130_Unbiased	3.369	3.387	-0.018
50	A131_Unbiased	3.380	3.386	-0.006
50	B50_Unbiased	3.377	3.393	-0.016
50	B51_Unbiased	3.337	3.392	-0.055
50	C53_Unbiased	3.329	3.330	-0.001
0	106_Corr	3.316	3.313	0.003
100	A132_Biased	3.358	3.374	-0.016
100	A134_Biased	3.358	3.415	-0.057
100	A135_Biased	3.339	3.353	-0.014
100	B52_Biased	3.337	3.342	-0.005
100	B54_Biased	3.379	3.388	-0.009
100	B55_Biased	3.358	3.377	-0.019
100	B56_Biased	3.373	3.376	-0.003
100	B57_Biased	3.328	3.348	-0.020
100	B59_Biased	3.371	3.392	-0.021
100	B62_Biased	3.383	3.383	0.000
100	B63_Biased	3.370	3.371	-0.001
100	B64_Biased	3.389	3.390	-0.001
100	B66_Biased	3.392	3.390	0.002
100	B68_Biased	3.391	3.388	0.003
100	C54_Biased	3.384	3.382	0.002
100	C55_Biased	3.333	3.336	-0.002
100	C56_Biased	3.377	3.383	-0.006
100	C57_Biased	3.335	3.336	-0.001
100	C58_Biased	3.347	3.349	-0.002
100	C59_Biased	3.354	3.355	-0.001
100	C65_Biased	3.348	3.354	-0.006
100	C67_Biased	3.328	3.330	-0.002
100	A122_Unbiased	3.363	3.381	-0.018
100	A138_Unbiased	3.316	3.331	-0.015
100	A139_Unbiased	3.366	3.381	-0.015
100	B60_Unbiased	3.385	3.384	0.001
100	B61_Unbiased	3.387	3.371	0.016
100	B69_Unbiased	3.385	3.383	0.002
100	B70_Unbiased	3.387	3.388	-0.001
100	B71_Unbiased	3.345	3.345	0.000
100	B72_Unbiased	3.375	3.375	0.000
100	B73_Unbiased	3.375	3.375	0.000
100	B74_Unbiased	3.359	3.358	0.001
100	B77_Unbiased	3.350	3.352	-0.002
100	B78_Unbiased	3.389	3.390	-0.001
100	B79_Unbiased	3.387	3.387	0.000
100	B80_Unbiased	3.363	3.361	0.002
100	C70_Unbiased	3.354	3.353	0.001
100	C71_Unbiased	3.342	3.340	0.002
100	C72_Unbiased	3.361	3.362	-0.001
100	C73_Unbiased	3.374	3.372	0.002
100	C75_Unbiased	3.341	3.338	0.003
100	C76_Unbiased	3.367	3.369	-0.002
100	C78_Unbiased	3.376	3.380	-0.004
	Max	3.392	3.415	0.016
	Average	3.362	3.370	-0.008
	Min	3.316	3.313	-0.057
	Std Dev	0.020	0.022	0.012

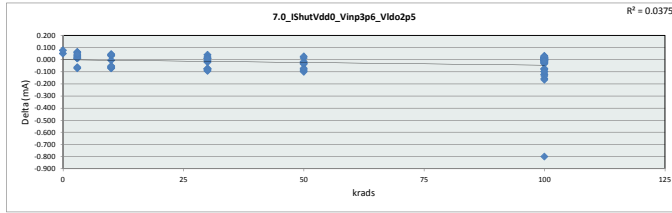


6.13_IDDshut_Vin2p375_Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8 uA					
Min Limit	0.1 uA					
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.313	3.330	3.328	3.334	3.330	3.330
Average	3.348	3.369	3.371	3.368	3.382	3.368
Max	3.382	3.392	3.398	3.393	3.393	3.415
UL	8.000	8.000	8.000	8.000	8.000	8.000

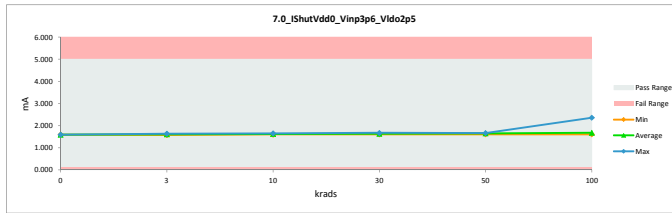


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7.0_IshutVdd0_Vinp3p6_Vldo2p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.645	1.594	0.051
3	A116_Biased	1.647	1.619	0.028
3	A117_Biased	1.627	1.614	0.013
3	B36_Biased	1.636	1.602	0.034
3	B37_Biased	1.551	1.621	-0.070
3	C39_Biased	1.675	1.616	0.059
3	A118_Unbiased	1.592	1.580	0.012
3	A140_Unbiased	1.645	1.580	0.065
3	B38_Unbiased	1.628	1.614	0.014
3	B39_Unbiased	1.569	1.632	-0.063
3	C40_Unbiased	1.629	1.584	0.045
10	A119_Biased	1.636	1.642	-0.006
10	A120_Biased	1.556	1.625	-0.069
10	B40_Biased	1.540	1.600	-0.060
10	C41_Biased	1.654	1.615	0.039
10	C42_Biased	1.635	1.597	0.038
10	A121_Unbiased	1.564	1.635	-0.071
10	A124_Unbiased	1.537	1.597	-0.060
10	B41_Unbiased	1.581	1.633	-0.052
10	C43_Unbiased	1.672	1.639	0.033
10	C44_Unbiased	1.656	1.611	0.045
30	A125_Biased	1.547	1.624	-0.077
30	B42_Biased	1.648	1.669	-0.021
30	B43_Biased	1.553	1.632	-0.079
30	C45_Biased	1.649	1.640	0.009
30	C46_Biased	1.650	1.611	0.039
30	A127_Unbiased	1.537	1.610	-0.073
30	B45_Unbiased	1.566	1.657	-0.091
30	B47_Unbiased	1.602	1.610	-0.008
30	C47_Unbiased	1.630	1.608	0.022
30	C50_Unbiased	1.659	1.647	0.012
50	A128_Biased	1.640	1.656	-0.016
50	A129_Biased	1.607	1.644	-0.037
50	B48_Biased	1.563	1.656	-0.093
50	B49_Biased	1.560	1.660	-0.100
50	C51_Biased	1.671	1.656	0.015
50	A130_Unbiased	1.569	1.648	-0.079
50	A131_Unbiased	1.617	1.646	-0.029
50	B50_Unbiased	1.586	1.658	-0.072
50	B51_Unbiased	1.622	1.650	-0.028
50	C53_Unbiased	1.637	1.610	0.027
0	106_Corr	1.661	1.585	0.076
100	A132_Biased	1.560	1.681	-0.121
100	A134_Biased	1.557	2.357	-0.800
100	A135_Biased	1.574	1.656	-0.082
100	B52_Biased	1.621	1.650	-0.029
100	B54_Biased	1.595	1.671	-0.076
100	B55_Biased	1.543	1.664	-0.121
100	B56_Biased	1.636	1.663	-0.027
100	B57_Biased	1.545	1.701	-0.156
100	B59_Biased	1.565	1.698	-0.133
100	B62_Biased	1.673	1.681	-0.008
100	B63_Biased	1.663	1.671	-0.008
100	B64_Biased	1.653	1.663	-0.010
100	B66_Biased	1.665	1.666	-0.001
100	B68_Biased	1.663	1.698	-0.035
100	C54_Biased	1.676	1.674	0.002
100	C55_Biased	1.625	1.641	-0.016
100	C56_Biased	1.645	1.689	-0.044
100	C57_Biased	1.657	1.657	0.000
100	C58_Biased	1.653	1.820	-0.167
100	C59_Biased	1.661	1.675	-0.014
100	C65_Biased	1.649	1.675	-0.026
100	C67_Biased	1.643	1.649	-0.006
100	A122_Unbiased	1.552	1.652	-0.100
100	A138_Unbiased	1.525	1.598	-0.073
100	A139_Unbiased	1.543	1.639	-0.096
100	B60_Unbiased	1.646	1.644	0.002
100	B61_Unbiased	1.656	1.630	0.026
100	B69_Unbiased	1.666	1.653	0.013
100	B70_Unbiased	1.656	1.648	0.008
100	B71_Unbiased	1.651	1.638	0.013
100	B72_Unbiased	1.659	1.646	0.013
100	B73_Unbiased	1.662	1.652	0.010
100	B74_Unbiased	1.650	1.634	0.016
100	B77_Unbiased	1.644	1.644	0.000
100	B78_Unbiased	1.661	1.658	0.003
100	B79_Unbiased	1.654	1.640	0.014
100	B80_Unbiased	1.657	1.640	0.017
100	C70_Unbiased	1.656	1.649	0.007
100	C71_Unbiased	1.655	1.622	0.033
100	C72_Unbiased	1.667	1.662	0.005
100	C73_Unbiased	1.672	1.655	0.017
100	C75_Unbiased	1.649	1.624	0.025
100	C76_Unbiased	1.655	1.659	-0.004
100	C79_Unbiased	1.659	1.673	-0.014
	Max	1.676	2.357	0.076
	Average	1.622	1.651	-0.029
	Min	1.525	1.580	-0.800
	Std Dev	0.045	0.084	0.099

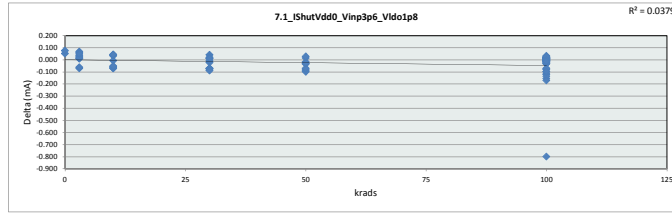


7.0_IshutVdd0_Vinp3p6_Vldo2p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.585	1.580	1.597	1.608	1.610	1.598
Average	1.590	1.606	1.619	1.631	1.648	1.677
Max	1.594	1.632	1.642	1.669	1.660	2.357
UL	5.000	5.000	5.000	5.000	5.000	5.000

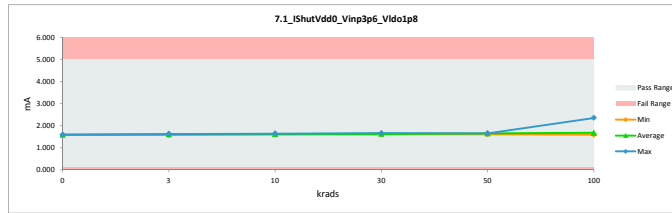


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7.1_IshutVdd0_Vinp3p6_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.644	1.594	0.050
3	A116_Biased	1.646	1.620	0.026
3	A117_Biased	1.626	1.613	0.013
3	B36_Biased	1.636	1.601	0.035
3	B37_Biased	1.551	1.621	-0.070
3	C39_Biased	1.674	1.615	0.059
3	A118_Unbiased	1.590	1.581	0.009
3	A140_Unbiased	1.644	1.578	0.066
3	B38_Unbiased	1.627	1.613	0.014
3	B39_Unbiased	1.569	1.631	-0.062
3	C40_Unbiased	1.628	1.581	0.047
10	A119_Biased	1.635	1.642	-0.007
10	A120_Biased	1.554	1.624	-0.072
10	B40_Biased	1.539	1.600	-0.061
10	C41_Biased	1.652	1.614	0.038
10	C42_Biased	1.635	1.596	0.039
10	A121_Unbiased	1.563	1.634	-0.071
10	A124_Unbiased	1.537	1.596	-0.059
10	B41_Unbiased	1.580	1.632	-0.052
10	C43_Unbiased	1.672	1.639	0.033
10	C44_Unbiased	1.655	1.611	0.044
30	A125_Biased	1.548	1.622	-0.074
30	B42_Biased	1.647	1.669	-0.022
30	B43_Biased	1.552	1.629	-0.077
30	C45_Biased	1.648	1.640	0.008
30	C46_Biased	1.650	1.610	0.040
30	A127_Unbiased	1.537	1.609	-0.072
30	B45_Unbiased	1.566	1.656	-0.090
30	B47_Unbiased	1.602	1.612	-0.010
30	C47_Unbiased	1.628	1.608	0.020
30	C50_Unbiased	1.659	1.648	0.011
50	A128_Biased	1.638	1.655	-0.017
50	A129_Biased	1.606	1.643	-0.037
50	B48_Biased	1.562	1.654	-0.092
50	B49_Biased	1.560	1.660	-0.100
50	C51_Biased	1.671	1.656	0.015
50	A130_Unbiased	1.568	1.648	-0.080
50	A131_Unbiased	1.616	1.647	-0.031
50	B50_Unbiased	1.585	1.656	-0.071
50	B51_Unbiased	1.620	1.649	-0.029
50	C53_Unbiased	1.637	1.610	0.027
0	106_Corr	1.660	1.585	0.075
100	A132_Biased	1.559	1.677	-0.118
100	A134_Biased	1.556	2.355	-0.799
100	A135_Biased	1.572	1.654	-0.082
100	B52_Biased	1.620	1.653	-0.033
100	B54_Biased	1.594	1.671	-0.077
100	B55_Biased	1.542	1.662	-0.120
100	B56_Biased	1.635	1.663	-0.028
100	B57_Biased	1.544	1.699	-0.155
100	B59_Biased	1.564	1.700	-0.136
100	B62_Biased	1.671	1.682	-0.011
100	B63_Biased	1.660	1.669	-0.009
100	B64_Biased	1.652	1.662	-0.010
100	B66_Biased	1.665	1.669	-0.004
100	B68_Biased	1.664	1.697	-0.033
100	C54_Biased	1.676	1.675	0.001
100	C55_Biased	1.624	1.638	-0.014
100	C56_Biased	1.645	1.688	-0.043
100	C57_Biased	1.655	1.656	-0.001
100	C58_Biased	1.652	1.822	-0.170
100	C59_Biased	1.659	1.675	-0.016
100	C65_Biased	1.649	1.675	-0.026
100	C67_Biased	1.642	1.649	-0.007
100	A122_Unbiased	1.551	1.652	-0.101
100	A138_Unbiased	1.524	1.595	-0.071
100	A139_Unbiased	1.543	1.639	-0.096
100	B60_Unbiased	1.663	1.664	-0.001
100	B61_Unbiased	1.657	1.632	0.025
100	B69_Unbiased	1.663	1.650	0.013
100	B70_Unbiased	1.657	1.649	0.008
100	B71_Unbiased	1.650	1.637	0.013
100	B72_Unbiased	1.659	1.647	0.012
100	B73_Unbiased	1.661	1.651	0.010
100	B74_Unbiased	1.649	1.632	0.017
100	B77_Unbiased	1.643	1.644	-0.001
100	B78_Unbiased	1.661	1.656	0.005
100	B79_Unbiased	1.653	1.637	0.016
100	B80_Unbiased	1.657	1.638	0.019
100	C70_Unbiased	1.656	1.648	0.008
100	C71_Unbiased	1.622	1.622	0.000
100	C72_Unbiased	1.666	1.662	0.004
100	C73_Unbiased	1.671	1.658	0.013
100	C75_Unbiased	1.649	1.625	0.024
100	C76_Unbiased	1.654	1.657	-0.003
100	C79_Unbiased	1.659	1.674	-0.015
	Max	1.676	2.355	0.075
	Average	1.621	1.651	-0.029
	Min	1.524	1.578	-0.799
	Std Dev	0.045	0.084	0.099

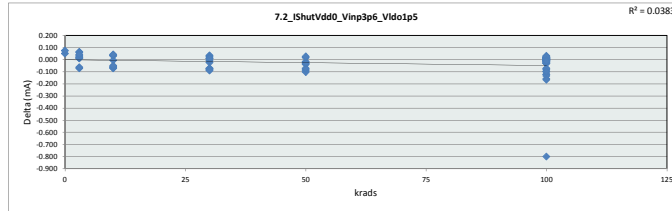


7.1_IshutVdd0_Vinp3p6_Vldo1p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.585	1.578	1.596	1.608	1.610	1.595
Average	1.590	1.605	1.619	1.630	1.648	1.676
Max	1.594	1.631	1.642	1.669	1.660	2.355
UL	5.000	5.000	5.000	5.000	5.000	5.000

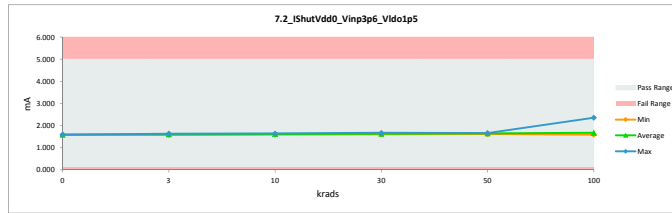


TID 100krad HDR Report
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7.2_IshutVdd0_Vinp3p6_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.644	1.593	0.051
3	A116_Biased	1.646	1.621	0.025
3	A117_Biased	1.626	1.612	0.014
3	B36_Biased	1.635	1.601	0.034
3	B37_Biased	1.551	1.621	-0.070
3	C39_Unbiased	1.674	1.614	0.060
3	A118_Unbiased	1.591	1.580	0.011
3	A140_Unbiased	1.644	1.580	0.064
3	B38_Unbiased	1.628	1.611	0.017
3	B39_Unbiased	1.569	1.631	-0.062
3	C40_Unbiased	1.628	1.584	0.044
10	A119_Biased	1.635	1.639	-0.004
10	A120_Biased	1.566	1.626	-0.070
10	B40_Biased	1.540	1.599	-0.059
10	C41_Biased	1.652	1.616	0.036
10	C42_Biased	1.635	1.597	0.038
10	A121_Unbiased	1.564	1.633	-0.069
10	A124_Unbiased	1.537	1.596	-0.059
10	B41_Unbiased	1.580	1.631	-0.051
10	C43_Unbiased	1.672	1.640	0.032
10	C44_Unbiased	1.655	1.611	0.044
30	A125_Biased	1.547	1.622	-0.075
30	B42_Biased	1.648	1.670	-0.022
30	B43_Biased	1.552	1.631	-0.079
30	C45_Biased	1.648	1.638	0.010
30	C46_Biased	1.648	1.613	0.035
30	A127_Unbiased	1.537	1.607	-0.070
30	B45_Unbiased	1.566	1.656	-0.090
30	B47_Unbiased	1.603	1.609	-0.006
30	C47_Unbiased	1.629	1.606	0.023
30	C50_Unbiased	1.649	1.610	0.010
50	A128_Biased	1.630	1.654	-0.015
50	A129_Biased	1.607	1.645	-0.038
50	B48_Biased	1.562	1.653	-0.091
50	B49_Biased	1.559	1.661	-0.102
50	C51_Biased	1.671	1.655	0.016
50	A130_Unbiased	1.568	1.647	-0.079
50	A131_Unbiased	1.617	1.645	-0.028
50	B50_Unbiased	1.586	1.657	-0.071
50	B51_Unbiased	1.621	1.650	-0.029
50	C53_Unbiased	1.637	1.611	0.026
0	106_Corr	1.660	1.586	0.074
100	A132_Biased	1.559	1.679	-0.120
100	A134_Biased	1.557	2.358	-0.801
100	A135_Biased	1.573	1.656	-0.083
100	B52_Biased	1.620	1.651	-0.031
100	B54_Biased	1.595	1.671	-0.076
100	B55_Biased	1.542	1.664	-0.122
100	B56_Biased	1.635	1.663	-0.028
100	B57_Biased	1.544	1.701	-0.157
100	B59_Biased	1.564	1.698	-0.134
100	B62_Biased	1.671	1.682	-0.011
100	B63_Biased	1.662	1.672	-0.010
100	B64_Biased	1.652	1.660	-0.008
100	B66_Biased	1.665	1.667	-0.002
100	B68_Biased	1.663	1.695	-0.032
100	C54_Biased	1.675	1.676	-0.001
100	C55_Biased	1.624	1.641	-0.017
100	C56_Biased	1.645	1.687	-0.022
100	C57_Biased	1.656	1.656	0.000
100	C58_Biased	1.653	1.820	-0.167
100	C59_Biased	1.660	1.676	-0.016
100	C65_Biased	1.649	1.675	-0.026
100	C67_Biased	1.641	1.648	-0.007
100	A122_Unbiased	1.551	1.651	-0.100
100	A138_Unbiased	1.525	1.595	-0.070
100	A139_Unbiased	1.543	1.639	-0.096
100	B60_Unbiased	1.645	1.644	0.001
100	B61_Unbiased	1.656	1.632	0.024
100	B69_Unbiased	1.665	1.651	0.014
100	B70_Unbiased	1.656	1.648	0.008
100	B71_Unbiased	1.649	1.636	0.013
100	B72_Unbiased	1.658	1.644	0.014
100	B73_Unbiased	1.661	1.652	0.009
100	B74_Unbiased	1.649	1.631	0.018
100	B77_Unbiased	1.643	1.643	0.000
100	B78_Unbiased	1.660	1.656	0.004
100	B79_Unbiased	1.653	1.639	0.014
100	B80_Unbiased	1.656	1.640	0.016
100	C70_Unbiased	1.655	1.650	0.005
100	C71_Unbiased	1.654	1.622	0.032
100	C72_Unbiased	1.666	1.662	0.004
100	C73_Unbiased	1.671	1.658	0.013
100	C75_Unbiased	1.648	1.624	0.024
100	C76_Unbiased	1.654	1.656	-0.002
100	C79_Unbiased	1.658	1.672	-0.014
	Max	1.675	2.358	0.074
	Average	1.621	1.651	-0.029
	Min	1.525	1.580	-0.801
	Std Dev	0.045	0.084	0.099

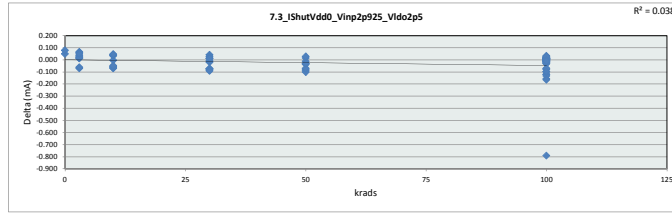


7.2_IshutVdd0_Vinp3p6_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.586	1.580	1.596	1.606	1.611	1.595
Average	1.590	1.606	1.619	1.630	1.648	1.676
Max	1.593	1.631	1.640	1.670	1.661	2.358
UL	5.000	5.000	5.000	5.000	5.000	5.000

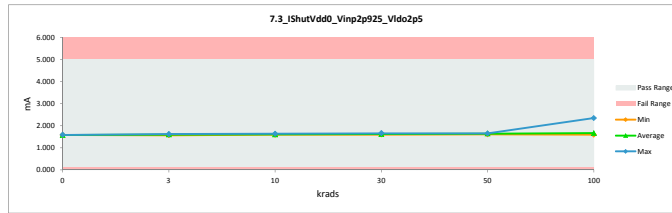


TID 100krad HDR Report
TPS7H3301-SP

7.3_IshutVdd0_Vinp2p925_Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.636	1.588	0.048
3	A116_Biased	1.638	1.612	0.026
3	A117_Biased	1.619	1.603	0.016
3	B36_Biased	1.629	1.595	0.034
3	B37_Biased	1.544	1.614	-0.070
3	C39_Biased	1.666	1.607	0.059
3	A118_Unbiased	1.584	1.574	0.010
3	A140_Unbiased	1.636	1.571	0.065
3	B38_Unbiased	1.620	1.606	0.014
3	B39_Unbiased	1.562	1.624	-0.062
3	C40_Unbiased	1.621	1.574	0.047
10	A119_Biased	1.628	1.633	-0.005
10	A120_Biased	1.549	1.619	-0.070
10	B40_Biased	1.533	1.593	-0.060
10	C41_Biased	1.646	1.608	0.038
10	C42_Biased	1.629	1.589	0.040
10	A121_Unbiased	1.557	1.626	-0.069
10	A124_Unbiased	1.531	1.589	-0.058
10	B41_Unbiased	1.573	1.623	-0.050
10	C43_Unbiased	1.665	1.632	0.033
10	C44_Unbiased	1.648	1.603	0.045
30	A125_Biased	1.540	1.617	-0.077
30	B42_Biased	1.640	1.661	-0.021
30	B43_Biased	1.544	1.624	-0.080
30	C45_Biased	1.641	1.632	0.009
30	C46_Biased	1.643	1.603	0.040
30	A127_Unbiased	1.530	1.603	-0.073
30	B45_Unbiased	1.559	1.651	-0.092
30	B47_Unbiased	1.594	1.605	-0.011
30	C47_Unbiased	1.623	1.600	0.023
30	C50_Unbiased	1.652	1.640	0.012
50	A128_Biased	1.632	1.646	-0.014
50	A129_Biased	1.599	1.638	-0.039
50	B48_Biased	1.556	1.649	-0.093
50	B49_Biased	1.552	1.654	-0.102
50	C51_Biased	1.663	1.650	0.013
50	A130_Unbiased	1.562	1.641	-0.079
50	A131_Unbiased	1.610	1.641	-0.031
50	B50_Unbiased	1.578	1.650	-0.072
50	B51_Unbiased	1.613	1.643	-0.030
50	C53_Unbiased	1.630	1.604	0.026
0	106_Corr	1.653	1.577	0.076
100	A132_Biased	1.552	1.672	-0.120
100	A134_Biased	1.550	2.343	-0.793
100	A135_Biased	1.567	1.646	-0.079
100	B52_Biased	1.613	1.644	-0.031
100	B54_Biased	1.587	1.663	-0.076
100	B55_Biased	1.536	1.656	-0.120
100	B56_Biased	1.628	1.654	-0.026
100	B57_Biased	1.537	1.694	-0.157
100	B59_Biased	1.557	1.692	-0.135
100	B62_Biased	1.664	1.674	-0.010
100	B63_Biased	1.654	1.663	-0.009
100	B64_Biased	1.645	1.654	-0.009
100	B66_Biased	1.658	1.659	-0.001
100	B68_Biased	1.657	1.690	-0.033
100	C54_Biased	1.668	1.666	0.002
100	C55_Biased	1.618	1.633	-0.015
100	C56_Biased	1.658	1.679	-0.021
100	C57_Biased	1.648	1.650	-0.002
100	C58_Biased	1.645	1.812	-0.167
100	C59_Biased	1.652	1.668	-0.016
100	C65_Biased	1.641	1.666	-0.025
100	C67_Biased	1.635	1.641	-0.006
100	A122_Unbiased	1.544	1.644	-0.100
100	A138_Unbiased	1.517	1.589	-0.072
100	A139_Unbiased	1.535	1.633	-0.098
100	B60_Unbiased	1.657	1.657	0.000
100	B61_Unbiased	1.649	1.623	0.026
100	B69_Unbiased	1.657	1.645	0.012
100	B70_Unbiased	1.649	1.639	0.010
100	B71_Unbiased	1.643	1.630	0.013
100	B72_Unbiased	1.650	1.639	0.011
100	B73_Unbiased	1.654	1.645	0.009
100	B74_Unbiased	1.642	1.625	0.017
100	B77_Unbiased	1.636	1.636	0.000
100	B78_Unbiased	1.653	1.651	0.002
100	B79_Unbiased	1.645	1.632	0.013
100	B80_Unbiased	1.649	1.634	0.015
100	C70_Unbiased	1.649	1.641	0.008
100	C71_Unbiased	1.646	1.614	0.032
100	C72_Unbiased	1.660	1.653	0.007
100	C73_Unbiased	1.664	1.649	0.015
100	C75_Unbiased	1.642	1.617	0.025
100	C76_Unbiased	1.647	1.650	-0.003
100	C78_Unbiased	1.652	1.666	-0.014
	Max	1.668	2.343	0.076
	Average	1.614	1.644	-0.029
	Min	1.517	1.571	-0.793
	Std Dev	0.045	0.083	0.098

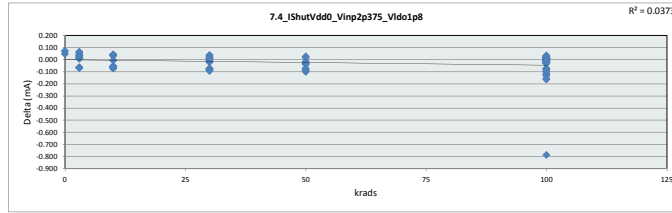


7.3_IshutVdd0_Vinp2p925_Vic						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.577	1.571	1.589	1.600	1.604	1.589
Average	1.583	1.598	1.612	1.624	1.642	1.669
Max	1.588	1.624	1.633	1.661	1.654	2.343
UL	5.000	5.000	5.000	5.000	5.000	5.000

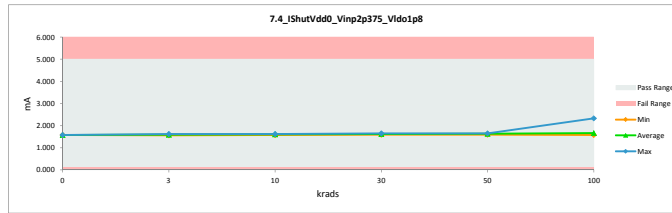


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7.4_IshutVdd0_Vinp2p375_Vidd0				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.626	1.577	0.049
3	A116_Biased	1.628	1.602	0.026
3	A117_Biased	1.609	1.594	0.015
3	B36_Biased	1.617	1.583	0.034
3	B37_Biased	1.534	1.603	-0.069
3	C39_Biased	1.656	1.597	0.059
3	A118_Unbiased	1.574	1.565	0.009
3	A140_Unbiased	1.626	1.561	0.065
3	B38_Unbiased	1.609	1.594	0.015
3	B39_Unbiased	1.552	1.614	-0.062
3	C40_Unbiased	1.610	1.567	0.043
10	A119_Biased	1.617	1.623	-0.006
10	A120_Biased	1.539	1.610	-0.071
10	B40_Biased	1.522	1.582	-0.060
10	C41_Biased	1.634	1.597	0.037
10	C42_Biased	1.618	1.578	0.040
10	A121_Unbiased	1.546	1.616	-0.070
10	A124_Unbiased	1.521	1.581	-0.060
10	B41_Unbiased	1.561	1.614	-0.053
10	C43_Unbiased	1.653	1.620	0.033
10	C44_Unbiased	1.636	1.593	0.043
30	A125_Biased	1.530	1.605	-0.075
30	B42_Biased	1.629	1.650	-0.021
30	B43_Biased	1.534	1.613	-0.079
30	C45_Biased	1.630	1.623	0.007
30	C46_Biased	1.631	1.593	0.038
30	A127_Unbiased	1.520	1.594	-0.074
30	B45_Unbiased	1.549	1.641	-0.092
30	B47_Unbiased	1.584	1.593	-0.009
30	C47_Unbiased	1.613	1.592	0.021
30	C50_Unbiased	1.642	1.632	0.010
50	A128_Biased	1.621	1.636	-0.015
50	A129_Biased	1.590	1.628	-0.038
50	B48_Biased	1.545	1.636	-0.091
50	B49_Biased	1.542	1.643	-0.101
50	C51_Biased	1.653	1.637	0.016
50	A130_Unbiased	1.551	1.631	-0.080
50	A131_Unbiased	1.599	1.629	-0.030
50	B50_Unbiased	1.568	1.638	-0.070
50	B51_Unbiased	1.634	1.634	-0.031
50	C53_Unbiased	1.620	1.592	0.028
0	106_Corr	1.642	1.569	0.073
100	A132_Biased	1.542	1.661	-0.119
100	A134_Biased	1.540	2.326	-0.786
100	A135_Biased	1.536	1.638	-0.092
100	B52_Biased	1.603	1.633	-0.030
100	B54_Biased	1.577	1.654	-0.077
100	B55_Biased	1.526	1.647	-0.121
100	B56_Biased	1.617	1.643	-0.026
100	B57_Biased	1.527	1.683	-0.156
100	B59_Biased	1.546	1.678	-0.132
100	B62_Biased	1.653	1.665	-0.012
100	B63_Biased	1.643	1.653	-0.010
100	B64_Biased	1.633	1.644	-0.011
100	B66_Biased	1.647	1.648	-0.001
100	B68_Biased	1.644	1.676	-0.032
100	C54_Biased	1.657	1.657	0.000
100	C55_Biased	1.607	1.623	-0.016
100	C56_Biased	1.646	1.649	-0.023
100	C57_Biased	1.637	1.640	-0.003
100	C58_Biased	1.634	1.797	-0.163
100	C59_Biased	1.641	1.656	-0.015
100	C65_Biased	1.630	1.657	-0.027
100	C67_Biased	1.624	1.631	-0.007
100	A122_Unbiased	1.534	1.634	-0.100
100	A138_Unbiased	1.508	1.579	-0.071
100	A139_Unbiased	1.527	1.621	-0.094
100	B60_Unbiased	1.647	1.647	0.000
100	B61_Unbiased	1.637	1.611	0.026
100	B69_Unbiased	1.647	1.633	0.014
100	B70_Unbiased	1.637	1.629	0.008
100	B71_Unbiased	1.632	1.619	0.014
100	B72_Unbiased	1.641	1.628	0.013
100	B73_Unbiased	1.643	1.632	0.011
100	B74_Unbiased	1.632	1.614	0.018
100	B77_Unbiased	1.626	1.626	0.000
100	B78_Unbiased	1.642	1.639	0.003
100	B79_Unbiased	1.634	1.622	0.012
100	B80_Unbiased	1.639	1.621	0.018
100	C70_Unbiased	1.637	1.631	0.006
100	C71_Unbiased	1.636	1.602	0.034
100	C72_Unbiased	1.648	1.644	0.004
100	C73_Unbiased	1.652	1.639	0.013
100	C75_Unbiased	1.631	1.608	0.023
100	C76_Unbiased	1.637	1.639	-0.002
100	C79_Unbiased	1.641	1.655	-0.014
	Max	1.657	2.326	0.073
	Average	1.604	1.633	-0.029
	Min	1.508	1.561	-0.786
	Std Dev	0.045	0.083	0.097

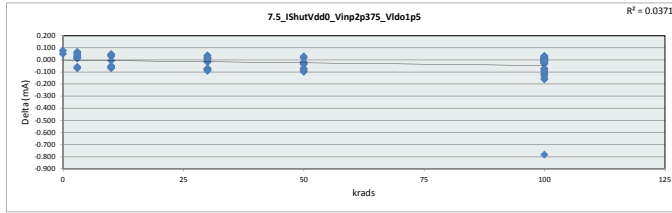


7.4_IshutVdd0_Vinp2p375_Vidd0p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.569	1.561	1.578	1.592	1.592	1.579
Average	1.573	1.588	1.601	1.614	1.630	1.658
Max	1.577	1.614	1.623	1.650	1.643	2.326
UL	5.000	5.000	5.000	5.000	5.000	5.000

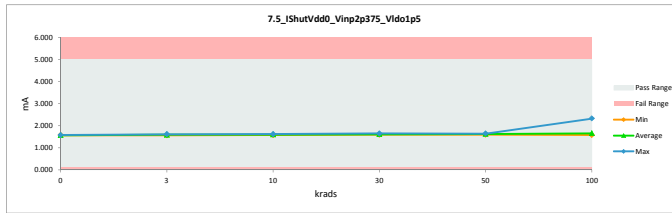


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7.5_IshutVdd0_Vinp2p375_Vidd0				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.627	1.579	0.048
3	A116_Biased	1.628	1.603	0.025
3	A117_Biased	1.609	1.594	0.015
3	B36_Biased	1.618	1.587	0.031
3	B37_Biased	1.534	1.605	-0.071
3	C39_Biased	1.656	1.597	0.059
3	A118_Unbiased	1.575	1.565	0.010
3	A140_Unbiased	1.627	1.563	0.064
3	B38_Unbiased	1.610	1.597	0.013
3	B39_Unbiased	1.552	1.613	-0.061
3	C40_Unbiased	1.611	1.565	0.046
10	A119_Biased	1.618	1.625	-0.007
10	A120_Biased	1.540	1.608	-0.068
10	B40_Biased	1.523	1.583	-0.060
10	C41_Biased	1.635	1.599	0.036
10	C42_Biased	1.619	1.581	0.038
10	A121_Unbiased	1.548	1.617	-0.069
10	A124_Unbiased	1.521	1.582	-0.061
10	B41_Unbiased	1.563	1.616	-0.053
10	C43_Unbiased	1.654	1.624	0.030
10	C44_Unbiased	1.638	1.592	0.046
30	A125_Biased	1.531	1.608	-0.077
30	B42_Biased	1.630	1.651	-0.021
30	B43_Biased	1.535	1.614	-0.079
30	C45_Biased	1.631	1.622	0.009
30	C46_Biased	1.632	1.596	0.036
30	A127_Unbiased	1.520	1.593	-0.073
30	B45_Unbiased	1.549	1.641	-0.092
30	B47_Unbiased	1.586	1.595	-0.009
30	C47_Unbiased	1.613	1.592	0.021
30	C50_Unbiased	1.642	1.632	0.010
50	A128_Biased	1.622	1.639	-0.017
50	A129_Biased	1.590	1.628	-0.038
50	B48_Biased	1.546	1.638	-0.092
50	B49_Biased	1.542	1.643	-0.101
50	C51_Biased	1.653	1.639	0.014
50	A130_Unbiased	1.552	1.630	-0.078
50	A131_Unbiased	1.600	1.630	-0.030
50	B50_Unbiased	1.568	1.639	-0.071
50	B51_Unbiased	1.604	1.632	-0.028
50	C53_Unbiased	1.620	1.593	0.027
0	106_Corr	1.643	1.569	0.074
100	A132_Biased	1.543	1.660	-0.117
100	A134_Biased	1.541	2.325	-0.784
100	A135_Biased	1.537	1.637	-0.080
100	B52_Biased	1.603	1.634	-0.031
100	B54_Biased	1.578	1.654	-0.076
100	B55_Biased	1.527	1.646	-0.119
100	B56_Biased	1.617	1.643	-0.026
100	B57_Biased	1.528	1.682	-0.154
100	B59_Biased	1.547	1.682	-0.135
100	B62_Biased	1.654	1.666	-0.012
100	B63_Biased	1.644	1.653	-0.009
100	B64_Biased	1.634	1.643	-0.009
100	B66_Biased	1.647	1.650	-0.003
100	B68_Biased	1.646	1.679	-0.033
100	C54_Biased	1.657	1.659	-0.002
100	C55_Biased	1.608	1.623	-0.015
100	C56_Biased	1.647	1.671	-0.024
100	C57_Biased	1.639	1.640	-0.001
100	C58_Biased	1.635	1.797	-0.162
100	C59_Biased	1.642	1.658	-0.016
100	C65_Biased	1.631	1.658	-0.027
100	C67_Biased	1.624	1.633	-0.009
100	A122_Unbiased	1.535	1.635	-0.100
100	A138_Unbiased	1.509	1.579	-0.070
100	A139_Unbiased	1.526	1.621	-0.095
100	B60_Unbiased	1.648	1.648	0.000
100	B61_Unbiased	1.638	1.614	0.024
100	B69_Unbiased	1.648	1.635	0.013
100	B70_Unbiased	1.638	1.631	0.007
100	B71_Unbiased	1.632	1.618	0.014
100	B72_Unbiased	1.641	1.629	0.012
100	B73_Unbiased	1.644	1.634	0.010
100	B74_Unbiased	1.633	1.613	0.020
100	B77_Unbiased	1.626	1.625	0.001
100	B78_Unbiased	1.643	1.639	0.004
100	B79_Unbiased	1.635	1.621	0.014
100	B80_Unbiased	1.638	1.622	0.016
100	C70_Unbiased	1.638	1.630	0.008
100	C71_Unbiased	1.637	1.604	0.033
100	C72_Unbiased	1.648	1.645	0.003
100	C73_Unbiased	1.653	1.641	0.012
100	C75_Unbiased	1.631	1.608	0.023
100	C76_Unbiased	1.637	1.638	-0.001
100	C78_Unbiased	1.641	1.656	-0.015
	Max	1.657	2.325	0.074
	Average	1.604	1.634	-0.029
	Min	1.509	1.563	-0.784
	Std Dev	0.045	0.082	0.097

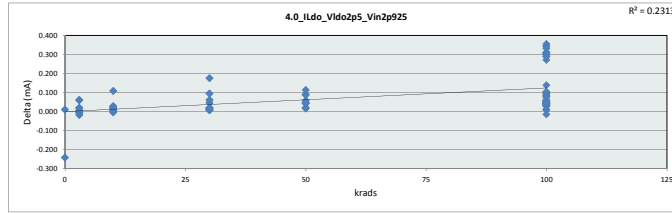


7.5_IshutVdd0_Vinp2p375_Vidd0p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.569	1.563	1.581	1.592	1.593	1.579
Average	1.574	1.589	1.603	1.614	1.631	1.659
Max	1.579	1.613	1.625	1.651	1.643	2.325
UL	5.000	5.000	5.000	5.000	5.000	5.000

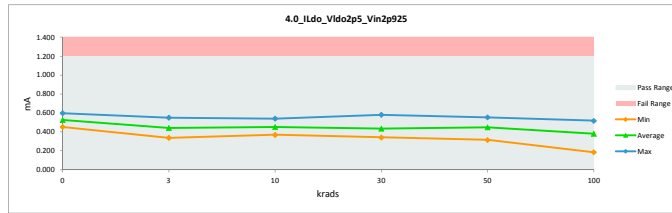


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4.0_ILdo_Vldo2p5_Vin2p925				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.357	0.598	-0.241
3	A116_Biased	0.387	0.385	0.002
3	A117_Biased	0.521	0.539	-0.018
3	B36_Biased	0.581	0.521	0.060
3	B37_Biased	0.462	0.442	0.020
3	C39_Biased	0.445	0.451	-0.006
3	A118_Unbiased	0.343	0.337	0.006
3	A140_Unbiased	0.357	0.363	-0.006
3	B38_Unbiased	0.549	0.550	-0.001
3	B39_Unbiased	0.468	0.407	0.061
3	C40_Unbiased	0.454	0.435	0.019
10	A119_Biased	0.375	0.369	0.006
10	A120_Biased	0.390	0.374	0.016
10	B40_Biased	0.547	0.531	0.016
10	C41_Biased	0.533	0.506	0.027
10	C42_Biased	0.468	0.441	0.027
10	A121_Unbiased	0.436	0.417	0.019
10	A124_Unbiased	0.580	0.471	0.109
10	B41_Unbiased	0.453	0.436	0.017
10	C43_Unbiased	0.432	0.430	0.002
10	C44_Unbiased	0.534	0.539	-0.005
30	A125_Biased	0.490	0.396	0.094
30	B42_Biased	0.424	0.405	0.019
30	B43_Biased	0.589	0.413	0.176
30	C45_Biased	0.442	0.430	0.012
30	C46_Biased	0.391	0.384	0.007
30	A127_Unbiased	0.361	0.342	0.019
30	B45_Unbiased	0.512	0.466	0.046
30	B47_Unbiased	0.641	0.580	0.061
30	C47_Unbiased	0.448	0.440	0.008
30	C50_Unbiased	0.524	0.509	0.015
50	A128_Biased	0.517	0.496	0.021
50	A129_Biased	0.527	0.480	0.047
50	B48_Biased	0.469	0.427	0.042
50	B49_Biased	0.431	0.389	0.042
50	C51_Biased	0.452	0.437	0.015
50	A130_Unbiased	0.481	0.390	0.091
50	A131_Unbiased	0.612	0.554	0.058
50	B50_Unbiased	0.591	0.545	0.046
50	B51_Unbiased	0.536	0.449	0.087
50	C53_Unbiased	0.428	0.315	0.113
0	106_Corr	0.463	0.452	0.011
100	A132_Biased	0.518	0.423	0.095
100	A134_Biased	0.536	0.397	0.139
100	A135_Biased	0.519	0.330	0.189
100	B52_Biased	0.550	0.494	0.056
100	B54_Biased	0.523	0.437	0.086
100	B55_Biased	0.620	0.264	0.356
100	B56_Biased	0.503	0.196	0.307
100	B57_Biased	0.576	0.489	0.087
100	B59_Biased	0.543	0.445	0.098
100	B62_Biased	0.544	0.501	0.043
100	B63_Biased	0.460	0.425	0.035
100	B64_Biased	0.478	0.442	0.036
100	B66_Biased	0.490	0.450	0.040
100	B68_Biased	0.486	0.440	0.046
100	C54_Biased	0.425	0.394	0.031
100	C55_Biased	0.509	0.467	0.042
100	C56_Biased	0.461	0.413	0.048
100	C57_Biased	0.413	0.386	0.027
100	C58_Biased	0.504	0.451	0.053
100	C59_Biased	0.490	0.448	0.042
100	C65_Biased	0.527	0.518	0.009
100	C67_Biased	0.407	0.396	0.011
100	A122_Unbiased	0.487	0.409	0.078
100	A138_Unbiased	0.653	0.310	0.343
100	A139_Unbiased	0.506	0.401	0.105
100	B60_Unbiased	0.461	0.475	-0.014
100	B61_Unbiased	0.542	0.484	0.058
100	B69_Unbiased	0.461	0.427	0.034
100	B70_Unbiased	0.542	0.233	0.309
100	B71_Unbiased	0.553	0.211	0.342
100	B72_Unbiased	0.530	0.229	0.301
100	B73_Unbiased	0.464	0.432	0.032
100	B74_Unbiased	0.568	0.297	0.271
100	B77_Unbiased	0.407	0.318	0.289
100	B78_Unbiased	0.474	0.422	0.052
100	B79_Unbiased	0.497	0.185	0.312
100	B80_Unbiased	0.510	0.218	0.292
100	C70_Unbiased	0.510	0.463	0.047
100	C71_Unbiased	0.455	0.332	0.123
100	C72_Unbiased	0.489	0.415	0.074
100	C73_Unbiased	0.437	0.396	0.041
100	C75_Unbiased	0.516	0.454	0.062
100	C76_Unbiased	0.435	0.389	0.046
100	C79_Unbiased	0.454	0.404	0.050
	Max	0.653	0.598	0.356
	Average	0.491	0.415	0.077
	Min	0.343	0.185	-0.241
	Std Dev	0.066	0.091	0.106

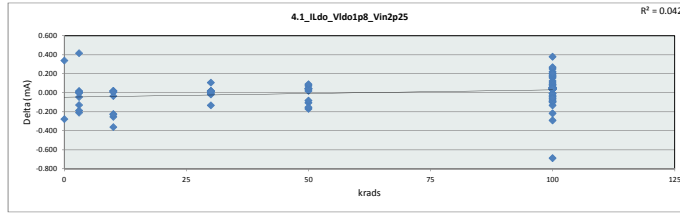


4.0_ILdo_Vldo2p5_Vin2p925						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.452	0.337	0.369	0.342	0.315	0.185
Average	0.525	0.443	0.451	0.437	0.448	0.382
Max	0.598	0.550	0.539	0.580	0.554	0.518
UL	1.200	1.200	1.200	1.200	1.200	1.200

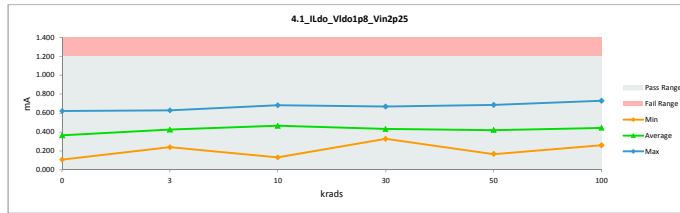


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4.1_ILdo_VIdo1p8_Vin2p25				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.341	0.622	-0.281
3	A116_Biased	0.372	0.370	0.002
3	A117_Biased	0.499	0.629	-0.130
3	B36_Biased	0.440	0.486	-0.046
3	B37_Biased	0.440	0.422	0.018
3	C39_Biased	0.426	0.430	-0.004
3	A118_Unbiased	0.327	0.322	0.005
3	A140_Unbiased	0.341	0.346	-0.005
3	B38_Unbiased	0.402	0.613	-0.211
3	B39_Unbiased	0.203	0.390	-0.187
3	C40_Unbiased	0.653	0.241	0.412
10	A119_Biased	0.360	0.354	0.006
10	A120_Biased	0.373	0.358	0.015
10	B40_Biased	0.361	0.617	-0.256
10	C41_Biased	0.321	0.683	-0.362
10	C42_Biased	0.449	0.676	-0.227
10	A121_Unbiased	0.418	0.400	0.018
10	A124_Unbiased	0.094	0.132	-0.038
10	B41_Unbiased	0.433	0.416	0.017
10	C43_Unbiased	0.414	0.411	0.003
10	C44_Unbiased	0.379	0.612	-0.233
30	A125_Biased	0.366	0.378	-0.012
30	B42_Biased	0.407	0.389	0.018
30	B43_Biased	0.535	0.669	-0.134
30	C45_Biased	0.423	0.411	0.012
30	C46_Biased	0.375	0.368	0.007
30	A127_Unbiased	0.346	0.328	0.018
30	B45_Unbiased	0.427	0.446	-0.019
30	B47_Unbiased	0.537	0.434	0.103
30	C47_Unbiased	0.430	0.420	0.010
30	C50_Unbiased	0.501	0.488	0.013
50	A128_Biased	0.236	0.167	0.069
50	A129_Biased	0.350	0.459	-0.109
50	B48_Biased	0.447	0.409	0.038
50	B49_Biased	0.472	0.473	0.039
50	C51_Biased	0.434	0.417	0.017
50	A130_Unbiased	0.201	0.373	-0.172
50	A131_Unbiased	0.600	0.685	-0.085
50	B50_Unbiased	0.565	0.521	0.044
50	B51_Unbiased	0.515	0.428	0.087
50	C53_Unbiased	0.224	0.378	-0.154
0	106_Corr	0.444	0.109	0.335
100	A132_Biased	0.337	0.405	-0.068
100	A134_Biased	0.601	0.383	0.218
100	A135_Biased	0.568	0.603	-0.035
100	B52_Biased	0.528	0.474	0.054
100	B54_Biased	0.574	0.420	0.154
100	B55_Biased	0.382	0.260	0.122
100	B56_Biased	0.484	0.430	0.054
100	B57_Biased	0.550	0.470	0.080
100	B59_Biased	0.528	0.428	0.100
100	B62_Biased	0.519	0.478	0.041
100	B63_Biased	0.441	0.407	0.034
100	B64_Biased	0.457	0.422	0.035
100	B66_Biased	0.470	0.432	0.038
100	B68_Biased	0.464	0.420	0.044
100	C54_Biased	0.276	0.378	-0.102
100	C55_Biased	0.489	0.448	0.041
100	C56_Biased	0.441	0.393	0.048
100	C57_Biased	0.235	0.370	-0.135
100	C58_Biased	0.485	0.432	0.053
100	C59_Biased	0.137	0.431	-0.294
100	C65_Biased	0.466	0.478	0.168
100	C67_Biased	0.628	0.379	0.249
100	A122_Unbiased	0.474	0.393	0.081
100	A138_Unbiased	0.510	0.730	-0.220
100	A139_Unbiased	0.437	0.385	0.052
100	B60_Unbiased	0.463	0.453	-0.010
100	B61_Unbiased	0.642	0.465	0.177
100	B69_Unbiased	0.443	0.409	0.034
100	B70_Unbiased	0.642	0.446	0.196
100	B71_Unbiased	0.537	0.630	-0.093
100	B72_Unbiased	0.882	0.505	0.377
100	B73_Unbiased	0.448	0.416	0.032
100	B74_Unbiased	0.628	0.361	0.267
100	B77_Unbiased	0.633	0.432	0.201
100	B78_Unbiased	0.313	0.401	-0.088
100	B79_Unbiased	0.333	0.373	-0.040
100	B80_Unbiased	0.456	0.466	-0.010
100	C70_Unbiased	0.489	0.443	0.046
100	C71_Unbiased	0.662	0.719	-0.057
100	C72_Unbiased	0.449	0.397	0.052
100	C73_Unbiased	0.419	0.377	0.042
100	C75_Unbiased	0.002	0.692	-0.690
100	C76_Unbiased	0.417	0.372	0.045
100	C79_Unbiased	0.388	0.343	0.045
	Max	0.882	0.730	0.412
	Average	0.438	0.439	0.000
	Min	0.002	0.109	-0.690
	Std Dev	0.135	0.119	0.158

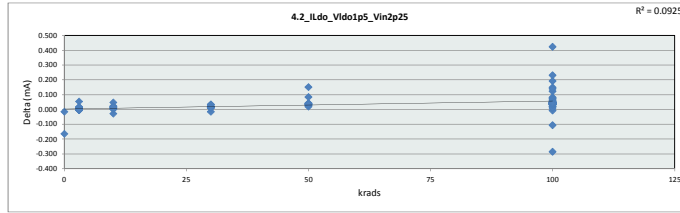


4.1_ILdo_VIdo1p8_Vin2p25					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	1.2	mA			
Min Limit	0	mA			
krads	LL	Min	Average	Max	UL
0	0.000	0.000	0.000	0.000	0.000
3	0.109	0.241	0.132	0.328	0.167
10	0.366	0.425	0.466	0.433	0.421
30	0.622	0.629	0.683	0.669	0.685
50	1.200	1.200	1.200	1.200	1.200
100					

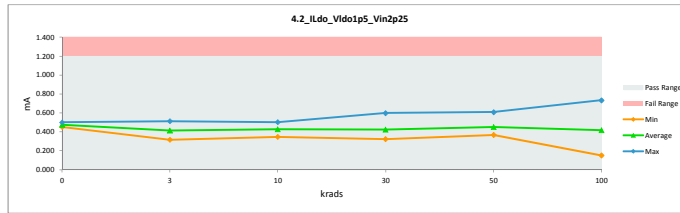


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4.2_ILdo_Vldo1p5_Vin2p25				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.337	0.501	-0.164
3	A116_Biased	0.370	0.362	0.008
3	A117_Biased	0.498	0.487	0.011
3	B36_Biased	0.502	0.448	0.054
3	B37_Biased	0.433	0.416	0.017
3	C39_Biased	0.419	0.423	-0.004
3	A118_Unbiased	0.326	0.316	0.010
3	A140_Unbiased	0.337	0.341	-0.004
3	B38_Unbiased	0.514	0.514	0.000
3	B39_Unbiased	0.397	0.381	0.016
3	C40_Unbiased	0.442	0.447	-0.005
10	A119_Biased	0.359	0.347	0.012
10	A120_Biased	0.372	0.353	0.019
10	B40_Biased	0.534	0.486	0.048
10	C41_Biased	0.487	0.485	0.002
10	C42_Biased	0.441	0.432	0.009
10	A121_Unbiased	0.417	0.393	0.024
10	A124_Unbiased	0.446	0.474	-0.028
10	B41_Unbiased	0.424	0.408	0.016
10	C43_Unbiased	0.406	0.404	0.002
10	C44_Unbiased	0.519	0.504	0.015
30	A125_Biased	0.393	0.371	0.022
30	B42_Biased	0.400	0.383	0.017
30	B43_Biased	0.504	0.472	0.032
30	C45_Biased	0.415	0.402	0.013
30	C46_Biased	0.370	0.360	0.010
30	A127_Unbiased	0.345	0.323	0.022
30	B45_Unbiased	0.474	0.440	0.034
30	B47_Unbiased	0.584	0.599	-0.015
30	C47_Unbiased	0.422	0.412	0.010
30	C50_Unbiased	0.492	0.477	0.015
50	A128_Biased	0.492	0.463	0.029
50	A129_Biased	0.486	0.449	0.037
50	B48_Biased	0.439	0.401	0.038
50	B49_Biased	0.404	0.367	0.037
50	C51_Biased	0.428	0.410	0.018
50	A130_Unbiased	0.518	0.367	0.151
50	A131_Unbiased	0.545	0.517	0.028
50	B50_Unbiased	0.553	0.510	0.043
50	B51_Unbiased	0.526	0.422	0.084
50	C53_Unbiased	0.646	0.609	0.037
0	106_Corr	0.436	0.451	-0.015
100	A132_Biased	0.476	0.398	0.078
100	A134_Biased	0.526	0.378	0.148
100	A135_Biased	0.649	0.230	0.230
100	B52_Biased	0.513	0.466	0.047
100	B54_Biased	0.461	0.413	0.048
100	B55_Biased	0.576	0.453	0.123
100	B56_Biased	0.316	0.222	0.106
100	B57_Biased	0.539	0.458	0.081
100	B59_Biased	0.492	0.419	0.073
100	B62_Biased	0.509	0.468	0.041
100	B63_Biased	0.435	0.400	0.035
100	B64_Biased	0.449	0.415	0.034
100	B66_Biased	0.462	0.423	0.039
100	B68_Biased	0.457	0.411	0.046
100	C54_Biased	0.410	0.371	0.039
100	C55_Biased	0.482	0.440	0.042
100	C56_Biased	0.432	0.385	0.047
100	C57_Biased	0.398	0.363	0.035
100	C58_Biased	0.476	0.424	0.052
100	C59_Biased	0.467	0.423	0.044
100	C65_Biased	0.508	0.458	0.050
100	C67_Biased	0.409	0.372	0.037
100	A122_Unbiased	0.526	0.385	0.141
100	A138_Unbiased	0.556	0.363	0.193
100	A139_Unbiased	0.434	0.376	0.058
100	B60_Unbiased	0.436	0.444	-0.008
100	B61_Unbiased	0.476	0.455	0.021
100	B69_Unbiased	0.436	0.401	0.035
100	B70_Unbiased	0.476	0.485	0.021
100	B71_Unbiased	0.494	0.011	0.011
100	B72_Unbiased	0.516	0.473	0.043
100	B73_Unbiased	0.441	0.408	0.033
100	B74_Unbiased	0.575	0.152	0.423
100	B77_Unbiased	0.517	0.452	0.065
100	B78_Unbiased	0.431	0.493	-0.038
100	B79_Unbiased	0.468	0.434	0.034
100	B80_Unbiased	0.448	0.734	-0.286
100	C70_Unbiased	0.480	0.434	0.046
100	C71_Unbiased	0.479	0.439	0.040
100	C72_Unbiased	0.432	0.391	0.041
100	C73_Unbiased	0.411	0.369	0.042
100	C75_Unbiased	0.506	0.453	0.053
100	C76_Unbiased	0.407	0.365	0.042
100	C79_Unbiased	0.379	0.338	0.041
	Max	0.669	0.734	0.423
	Average	0.461	0.425	0.036
	Min	0.316	0.152	-0.286
	Std Dev	0.067	0.070	0.074

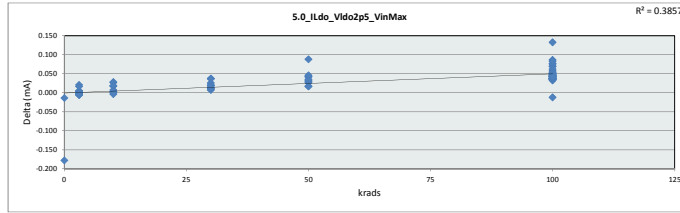


4.2_ILdo_Vldo1p5_Vin2p25						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.451	0.316	0.347	0.323	0.367	0.152
Average	0.476	0.414	0.429	0.424	0.452	0.418
Max	0.501	0.514	0.504	0.599	0.609	0.734
UL	1.200	1.200	1.200	1.200	1.200	1.200

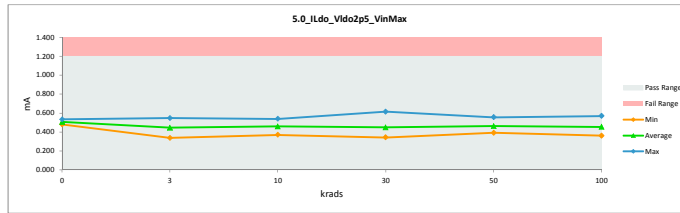


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5.0_ILdo_Vldo2p5_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.356	0.534	-0.178
3	A116_Biased	0.388	0.385	0.003
3	A117_Biased	0.522	0.520	0.002
3	B36_Biased	0.530	0.533	-0.003
3	B37_Biased	0.463	0.443	0.020
3	C39_Biased	0.447	0.452	-0.005
3	A118_Unbiased	0.343	0.338	0.005
3	A140_Unbiased	0.356	0.363	-0.007
3	B38_Unbiased	0.547	0.548	-0.001
3	B39_Unbiased	0.423	0.407	0.016
3	C40_Unbiased	0.472	0.478	-0.006
10	A119_Biased	0.377	0.370	0.007
10	A120_Biased	0.392	0.375	0.017
10	B40_Biased	0.548	0.520	0.028
10	C41_Biased	0.518	0.519	-0.001
10	C42_Biased	0.469	0.469	0.000
10	A121_Unbiased	0.436	0.419	0.019
10	A124_Unbiased	0.546	0.520	0.026
10	B41_Unbiased	0.453	0.435	0.018
10	C43_Unbiased	0.433	0.430	0.003
10	C44_Unbiased	0.535	0.539	-0.004
30	A125_Biased	0.422	0.397	0.025
30	B42_Biased	0.425	0.407	0.018
30	B43_Biased	0.539	0.503	0.036
30	C45_Biased	0.442	0.431	0.011
30	C46_Biased	0.393	0.386	0.007
30	A127_Unbiased	0.362	0.343	0.019
30	B45_Unbiased	0.503	0.466	0.037
30	B47_Unbiased	0.634	0.615	0.019
30	C47_Unbiased	0.449	0.440	0.009
30	C50_Unbiased	0.524	0.511	0.013
50	A128_Biased	0.520	0.494	0.026
50	A129_Biased	0.510	0.481	0.029
50	B48_Biased	0.470	0.428	0.042
50	B49_Biased	0.432	0.391	0.041
50	C51_Biased	0.454	0.438	0.016
50	A130_Unbiased	0.423	0.392	0.031
50	A131_Unbiased	0.590	0.556	0.034
50	B50_Unbiased	0.592	0.547	0.045
50	B51_Unbiased	0.537	0.490	0.047
50	C53_Unbiased	0.465	0.448	0.017
0	106_Corr	0.465	0.479	-0.014
100	A132_Biased	0.493	0.424	0.069
100	A134_Biased	0.529	0.397	0.132
100	A135_Biased	0.444	0.475	0.029
100	B52_Biased	0.537	0.494	0.043
100	B54_Biased	0.489	0.439	0.050
100	B55_Biased	0.559	0.483	0.076
100	B56_Biased	0.500	0.451	0.049
100	B57_Biased	0.577	0.491	0.086
100	B59_Biased	0.523	0.447	0.076
100	B62_Biased	0.545	0.503	0.042
100	B63_Biased	0.460	0.426	0.034
100	B64_Biased	0.479	0.443	0.036
100	B66_Biased	0.490	0.452	0.038
100	B68_Biased	0.486	0.441	0.045
100	C54_Biased	0.433	0.396	0.037
100	C55_Biased	0.511	0.468	0.043
100	C56_Biased	0.461	0.414	0.047
100	C57_Biased	0.422	0.385	0.037
100	C58_Biased	0.505	0.453	0.052
100	C59_Biased	0.495	0.450	0.045
100	C65_Biased	0.545	0.498	0.047
100	C67_Biased	0.433	0.397	0.036
100	A122_Unbiased	0.471	0.410	0.061
100	A138_Unbiased	0.651	0.569	0.082
100	A139_Unbiased	0.457	0.403	0.054
100	B60_Unbiased	0.463	0.476	-0.013
100	B61_Unbiased	0.521	0.486	0.035
100	B69_Unbiased	0.463	0.427	0.036
100	B70_Unbiased	0.521	0.486	0.035
100	B71_Unbiased	0.559	0.518	0.041
100	B72_Unbiased	0.547	0.504	0.043
100	B73_Unbiased	0.466	0.434	0.032
100	B74_Unbiased	0.584	0.543	0.041
100	B77_Unbiased	0.607	0.562	0.045
100	B78_Unbiased	0.460	0.423	0.037
100	B79_Unbiased	0.497	0.463	0.034
100	B80_Unbiased	0.507	0.472	0.035
100	C70_Unbiased	0.512	0.463	0.049
100	C71_Unbiased	0.517	0.477	0.039
100	C72_Unbiased	0.460	0.416	0.044
100	C73_Unbiased	0.438	0.396	0.042
100	C75_Unbiased	0.536	0.498	0.038
100	C76_Unbiased	0.432	0.391	0.041
100	C79_Unbiased	0.462	0.421	0.041
	Max	0.651	0.615	0.132
	Average	0.486	0.456	0.030
	Min	0.343	0.338	-0.178
	Std Dev	0.063	0.057	0.034

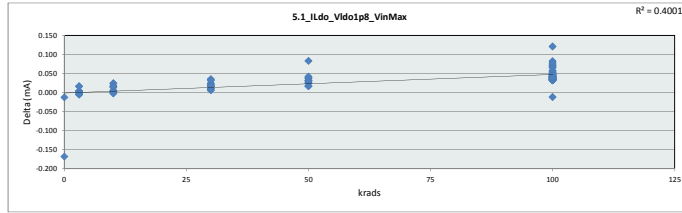


5.0_ILdo_Vldo2p5_VinMax						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.479	0.338	0.370	0.343	0.391	0.361
Average	0.507	0.447	0.460	0.450	0.463	0.454
Max	0.534	0.548	0.539	0.615	0.556	0.569
UL	1.200	1.200	1.200	1.200	1.200	1.200

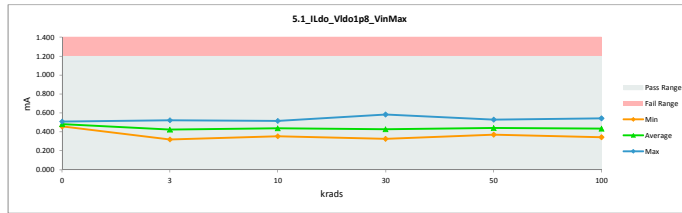


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5.1_ILdo_Vldo1p8_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.342	0.510	-0.168
3	A116_Biased	0.371	0.367	0.004
3	A117_Biased	0.497	0.496	0.001
3	B36_Biased	0.505	0.510	-0.005
3	B37_Biased	0.440	0.423	0.017
3	C39_Biased	0.425	0.429	-0.004
3	A118_Unbiased	0.325	0.321	0.004
3	A140_Unbiased	0.342	0.347	-0.005
3	B38_Unbiased	0.522	0.522	0.000
3	B39_Unbiased	0.403	0.387	0.016
3	C40_Unbiased	0.449	0.454	-0.005
10	A119_Biased	0.359	0.353	0.006
10	A120_Biased	0.372	0.359	0.013
10	B40_Biased	0.522	0.498	0.024
10	C41_Biased	0.495	0.492	0.003
10	C42_Biased	0.448	0.449	-0.001
10	A121_Unbiased	0.417	0.399	0.019
10	A124_Unbiased	0.520	0.496	0.024
10	B41_Unbiased	0.431	0.415	0.016
10	C43_Unbiased	0.413	0.411	0.002
10	C44_Unbiased	0.512	0.515	-0.003
30	A125_Biased	0.401	0.377	0.024
30	B42_Biased	0.406	0.388	0.018
30	B43_Biased	0.514	0.479	0.035
30	C45_Biased	0.422	0.412	0.010
30	C46_Biased	0.374	0.368	0.006
30	A127_Unbiased	0.345	0.328	0.017
30	B45_Unbiased	0.479	0.447	0.032
30	B47_Unbiased	0.605	0.585	0.020
30	C47_Unbiased	0.429	0.420	0.009
30	C50_Unbiased	0.501	0.485	0.016
50	A128_Biased	0.495	0.471	0.024
50	A129_Biased	0.486	0.458	0.028
50	B48_Biased	0.447	0.409	0.038
50	B49_Biased	0.412	0.374	0.038
50	C51_Biased	0.519	0.534	-0.017
50	A130_Unbiased	0.403	0.372	0.031
50	A131_Unbiased	0.562	0.530	0.032
50	B50_Unbiased	0.564	0.522	0.042
50	B51_Unbiased	0.513	0.430	0.083
50	C53_Unbiased	0.444	0.427	0.017
0	106_Corr	0.444	0.457	-0.013
100	A132_Biased	0.471	0.405	0.066
100	A134_Biased	0.503	0.382	0.121
100	A135_Biased	0.519	0.453	0.066
100	B52_Biased	0.513	0.473	0.040
100	B54_Biased	0.467	0.420	0.047
100	B55_Biased	0.532	0.460	0.072
100	B56_Biased	0.477	0.430	0.047
100	B57_Biased	0.549	0.467	0.082
100	B59_Biased	0.498	0.427	0.071
100	B62_Biased	0.519	0.478	0.041
100	B63_Biased	0.440	0.408	0.032
100	B64_Biased	0.456	0.422	0.034
100	B66_Biased	0.469	0.431	0.038
100	B68_Biased	0.463	0.420	0.043
100	C54_Biased	0.415	0.379	0.036
100	C55_Biased	0.489	0.449	0.040
100	C56_Biased	0.440	0.392	0.048
100	C57_Biased	0.403	0.369	0.034
100	C58_Biased	0.483	0.432	0.051
100	C59_Biased	0.474	0.431	0.043
100	C65_Biased	0.522	0.467	0.055
100	C67_Biased	0.414	0.379	0.035
100	A122_Unbiased	0.449	0.391	0.058
100	A138_Unbiased	0.621	0.544	0.077
100	A139_Unbiased	0.435	0.384	0.051
100	B60_Unbiased	0.442	0.454	-0.012
100	B61_Unbiased	0.498	0.464	0.034
100	B69_Unbiased	0.442	0.409	0.033
100	B70_Unbiased	0.498	0.463	0.035
100	B71_Unbiased	0.535	0.493	0.042
100	B72_Unbiased	0.523	0.481	0.042
100	B73_Unbiased	0.448	0.415	0.033
100	B74_Unbiased	0.560	0.520	0.040
100	B77_Unbiased	0.581	0.538	0.043
100	B78_Unbiased	0.438	0.401	0.037
100	B79_Unbiased	0.474	0.441	0.033
100	B80_Unbiased	0.483	0.450	0.033
100	C70_Unbiased	0.488	0.442	0.046
100	C71_Unbiased	0.492	0.456	0.036
100	C72_Unbiased	0.440	0.396	0.044
100	C73_Unbiased	0.418	0.377	0.041
100	C75_Unbiased	0.513	0.476	0.037
100	C76_Unbiased	0.413	0.373	0.040
100	C79_Unbiased	0.385	0.344	0.041
	Max	0.621	0.585	0.121
	Average	0.464	0.435	0.029
	Min	0.325	0.321	-0.168
	Std Dev	0.060	0.054	0.032

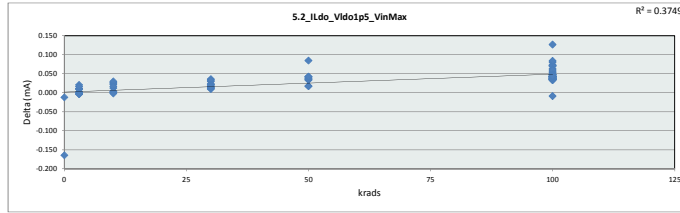


5.1_ILdo_Vldo1p8_VinMax						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.457	0.321	0.353	0.328	0.372	0.344
Average	0.484	0.426	0.439	0.429	0.441	0.434
Max	0.510	0.522	0.515	0.585	0.530	0.544
UL	1.200	1.200	1.200	1.200	1.200	1.200

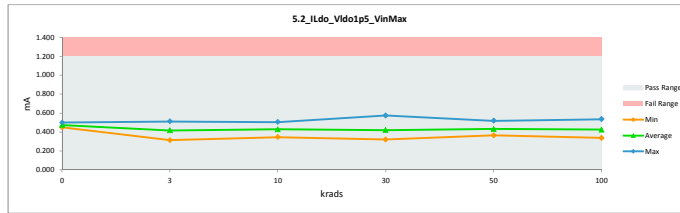


TID 100krad HDR Report
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5.2_ILdo_Vldo1p5_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.336	0.501	-0.165
3	A116_Biased	0.370	0.362	0.008
3	A117_Biased	0.496	0.486	0.010
3	B36_Biased	0.498	0.498	0.000
3	B37_Biased	0.433	0.413	0.020
3	C39_Biased	0.418	0.420	-0.002
3	A118_Unbiased	0.325	0.314	0.011
3	A140_Unbiased	0.336	0.340	-0.004
3	B38_Unbiased	0.514	0.512	0.002
3	B39_Unbiased	0.397	0.381	0.016
3	C40_Unbiased	0.441	0.445	-0.004
10	A119_Biased	0.358	0.346	0.012
10	A120_Biased	0.371	0.350	0.021
10	B40_Biased	0.513	0.488	0.025
10	C41_Biased	0.485	0.483	0.002
10	C42_Biased	0.440	0.440	0.000
10	A121_Unbiased	0.416	0.391	0.025
10	A124_Unbiased	0.517	0.488	0.029
10	B41_Unbiased	0.424	0.408	0.016
10	C43_Unbiased	0.406	0.403	0.003
10	C44_Unbiased	0.502	0.505	-0.003
30	A125_Biased	0.399	0.370	0.029
30	B42_Biased	0.401	0.381	0.020
30	B43_Biased	0.504	0.469	0.035
30	C45_Biased	0.415	0.402	0.013
30	C46_Biased	0.370	0.361	0.009
30	A127_Unbiased	0.345	0.322	0.023
30	B45_Unbiased	0.471	0.438	0.033
30	B47_Unbiased	0.595	0.575	0.020
30	C47_Unbiased	0.422	0.411	0.011
30	C50_Unbiased	0.492	0.477	0.015
50	A128_Biased	0.494	0.461	0.033
50	A129_Biased	0.484	0.449	0.035
50	B48_Biased	0.439	0.398	0.041
50	B49_Biased	0.405	0.367	0.038
50	C51_Biased	0.426	0.409	0.017
50	A130_Unbiased	0.401	0.366	0.035
50	A131_Unbiased	0.560	0.519	0.041
50	B50_Unbiased	0.553	0.511	0.042
50	B51_Unbiased	0.505	0.421	0.084
50	C53_Unbiased	0.436	0.419	0.017
0	106_Corr	0.436	0.449	-0.013
100	A132_Biased	0.468	0.398	0.070
100	A134_Biased	0.502	0.376	0.126
100	A135_Biased	0.517	0.445	0.072
100	B52_Biased	0.505	0.464	0.041
100	B54_Biased	0.459	0.411	0.048
100	B55_Biased	0.522	0.451	0.071
100	B56_Biased	0.469	0.422	0.047
100	B57_Biased	0.539	0.459	0.080
100	B59_Biased	0.489	0.419	0.070
100	B62_Biased	0.509	0.468	0.041
100	B63_Biased	0.435	0.399	0.036
100	B64_Biased	0.449	0.414	0.035
100	B66_Biased	0.461	0.422	0.039
100	B68_Biased	0.456	0.411	0.045
100	C54_Biased	0.409	0.372	0.037
100	C55_Biased	0.481	0.440	0.041
100	C56_Biased	0.431	0.384	0.047
100	C57_Biased	0.396	0.361	0.035
100	C58_Biased	0.475	0.423	0.052
100	C59_Biased	0.466	0.423	0.043
100	C65_Biased	0.513	0.458	0.055
100	C67_Biased	0.408	0.372	0.036
100	A122_Unbiased	0.447	0.385	0.062
100	A138_Unbiased	0.618	0.535	0.083
100	A139_Unbiased	0.434	0.375	0.059
100	B60_Unbiased	0.435	0.444	-0.009
100	B61_Unbiased	0.489	0.455	0.034
100	B69_Unbiased	0.435	0.401	0.034
100	B70_Unbiased	0.489	0.455	0.034
100	B71_Unbiased	0.525	0.482	0.043
100	B72_Unbiased	0.514	0.473	0.041
100	B73_Unbiased	0.441	0.406	0.035
100	B74_Unbiased	0.551	0.509	0.042
100	B77_Unbiased	0.569	0.528	0.041
100	B78_Unbiased	0.431	0.392	0.039
100	B79_Unbiased	0.466	0.433	0.033
100	B80_Unbiased	0.475	0.442	0.033
100	C70_Unbiased	0.480	0.433	0.047
100	C71_Unbiased	0.447	0.403	0.043
100	C72_Unbiased	0.432	0.390	0.042
100	C73_Unbiased	0.410	0.368	0.042
100	C75_Unbiased	0.505	0.467	0.038
100	C76_Unbiased	0.406	0.366	0.040
100	C78_Unbiased	0.380	0.337	0.043
	Max	0.618	0.575	0.126
	Average	0.457	0.426	0.031
	Min	0.325	0.314	-0.165
	Std Dev	0.059	0.053	0.032

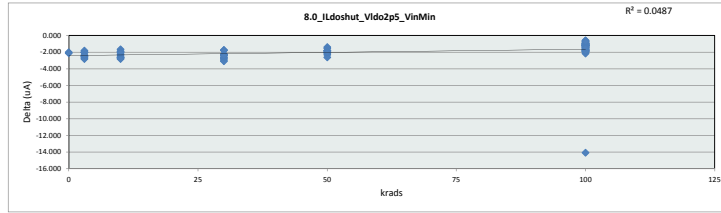


5.2_ILdo_Vldo1p5_VinMax					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	1.2	mA			
Min Limit	0	mA			
krads	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	0.449	0.314	0.346	0.322	0.366
Average	0.475	0.417	0.430	0.421	0.432
Max	0.501	0.512	0.505	0.575	0.519
UL	1.200	1.200	1.200	1.200	1.200

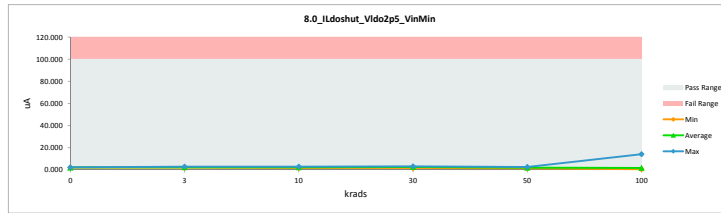


TID 100krad HDR Report
TPS7H3301-SP

8.0_ILdoshut_Vldo2p5_VinMin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.003	2.011	-2.008
3	A116_Biased	0.000	2.724	-2.724
3	A117_Biased	0.000	2.572	-2.572
3	B36_Biased	0.000	2.432	-2.432
3	B37_Biased	0.000	2.053	-2.053
3	C39_Biased	0.000	2.007	-2.007
3	A118_Unbiased	0.000	1.808	-1.808
3	A140_Unbiased	0.003	2.038	-2.035
3	B38_Unbiased	0.000	2.564	-2.564
3	B39_Unbiased	0.000	2.818	-2.818
3	C40_Unbiased	0.000	2.373	-2.373
10	A119_Biased	0.000	2.705	-2.705
10	A120_Biased	0.000	1.995	-1.995
10	B40_Biased	0.000	2.674	-2.674
10	C41_Biased	0.000	1.663	-1.663
10	C42_Biased	0.000	2.479	-2.479
10	A121_Unbiased	0.000	2.276	-2.276
10	A124_Unbiased	0.000	1.917	-1.917
10	B41_Unbiased	0.000	2.627	-2.627
10	C43_Unbiased	0.000	2.837	-2.837
10	C44_Unbiased	0.000	2.081	-2.081
30	A125_Biased	0.000	2.237	-2.237
30	B42_Biased	0.000	2.954	-2.954
30	B43_Biased	0.000	2.276	-2.276
30	C45_Biased	0.000	2.397	-2.397
30	C46_Biased	0.000	1.730	-1.730
30	A127_Unbiased	0.000	2.748	-2.748
30	B45_Unbiased	0.000	3.083	-3.083
30	B47_Unbiased	0.000	2.623	-2.623
30	C47_Unbiased	0.000	1.784	-1.784
30	C50_Unbiased	0.000	2.424	-2.424
50	A128_Biased	0.000	2.124	-2.124
50	A129_Biased	0.000	1.406	-1.406
50	B48_Biased	0.000	2.018	-2.018
50	B49_Biased	0.000	1.812	-1.812
50	C51_Biased	0.000	1.878	-1.878
50	A130_Unbiased	0.000	1.550	-1.550
50	A131_Unbiased	0.000	1.835	-1.835
50	B50_Unbiased	0.000	2.342	-2.342
50	B51_Unbiased	0.000	2.627	-2.627
50	C53_Unbiased	0.000	1.999	-1.999
0	106_Corr	0.002	2.131	-2.129
100	A132_Biased	0.000	1.932	-1.932
100	A134_Biased	0.000	14.072	-14.072
100	A135_Biased	0.000	1.230	-1.230
100	B52_Biased	0.000	1.652	-1.652
100	B54_Biased	0.000	2.038	-2.038
100	B55_Biased	0.000	1.909	-1.909
100	B56_Biased	0.000	1.004	-1.004
100	B57_Biased	0.000	1.839	-1.839
100	B59_Biased	0.000	0.938	-0.938
100	B62_Biased	0.000	1.542	-1.542
100	B63_Biased	0.000	1.207	-1.207
100	B64_Biased	0.000	0.961	-0.961
100	B66_Biased	0.000	1.851	-1.851
100	B68_Biased	0.000	1.293	-1.293
100	C54_Biased	0.000	2.167	-2.167
100	C55_Biased	0.000	1.067	-1.067
100	C56_Biased	0.000	1.215	-1.215
100	C57_Biased	0.000	1.461	-1.461
100	C58_Biased	0.000	1.281	-1.281
100	C59_Biased	0.000	1.059	-1.059
100	C65_Biased	0.000	0.973	-0.973
100	C67_Biased	0.000	1.808	-1.808
100	A122_Unbiased	0.000	1.086	-1.086
100	A138_Unbiased	0.000	0.598	-0.598
100	A139_Unbiased	0.000	1.710	-1.710
100	B60_Unbiased	0.000	1.340	-1.340
100	B61_Unbiased	0.000	1.866	-1.866
100	B69_Unbiased	0.000	1.714	-1.714
100	B70_Unbiased	0.000	0.618	-0.618
100	B71_Unbiased	0.000	1.461	-1.461
100	B72_Unbiased	0.000	1.141	-1.141
100	B73_Unbiased	0.000	1.164	-1.164
100	B74_Unbiased	0.000	1.191	-1.191
100	B77_Unbiased	0.000	0.934	-0.934
100	B78_Unbiased	0.000	1.160	-1.160
100	B79_Unbiased	0.000	1.156	-1.156
100	B80_Unbiased	0.000	1.301	-1.301
100	C70_Unbiased	0.000	0.751	-0.751
100	C71_Unbiased	0.000	0.829	-0.829
100	C72_Unbiased	0.000	1.656	-1.656
100	C73_Unbiased	0.000	1.449	-1.449
100	C75_Unbiased	0.000	1.870	-1.870
100	C76_Unbiased	0.000	1.468	-1.468
100	C79_Unbiased	0.000	0.739	-0.739
	Max	0.003	14.072	-0.598
	Average	0.000	1.934	-1.934
	Min	0.000	0.598	-14.072
	Std Dev	0.001	1.457	1.457

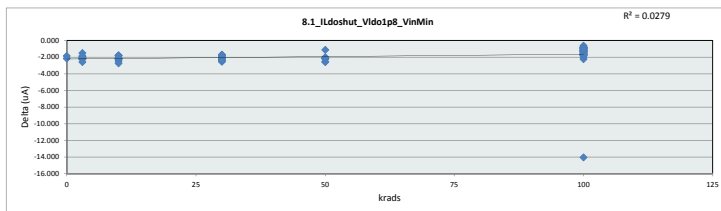


8.0_ILdoshut_Vldo2p5_VinMin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	uA				
Min Limit	0	uA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.011	1.808	1.663	1.730	1.406	0.598
Average	2.071	2.339	2.325	2.426	1.959	1.630
Max	2.131	2.818	2.837	3.083	2.627	14.072
UL	100.000	100.000	100.000	100.000	100.000	100.000

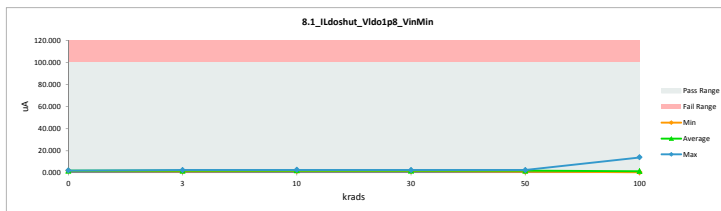


TID 100krad HDR Report
TPS7H3301-SP

8.1_ILdoshut_Vldo1p8_VinMin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.003	1.878	-1.875
3	A116_Biased	0.000	1.519	-1.519
3	A117_Biased	0.000	2.206	-2.206
3	B36_Biased	0.000	2.050	-2.050
3	B37_Biased	0.000	2.194	-2.194
3	C39_Biased	0.000	2.159	-2.159
3	A118_Unbiased	0.000	2.233	-2.233
3	A140_Unbiased	0.003	2.007	-2.004
3	B38_Unbiased	0.000	1.952	-1.952
3	B39_Unbiased	0.000	2.607	-2.607
3	C40_Unbiased	0.000	1.858	-1.858
10	A119_Biased	0.000	2.128	-2.128
10	A120_Biased	0.000	2.081	-2.081
10	B40_Biased	0.000	2.276	-2.276
10	C41_Biased	0.001	2.221	-2.220
10	C42_Biased	0.000	2.498	-2.498
10	A121_Unbiased	0.000	1.827	-1.827
10	A124_Unbiased	0.000	1.839	-1.839
10	B41_Unbiased	0.000	1.788	-1.788
10	C43_Unbiased	0.000	2.190	-2.190
10	C44_Unbiased	0.001	2.767	-2.766
30	A125_Biased	0.000	1.886	-1.886
30	B42_Biased	0.000	2.330	-2.330
30	B43_Biased	0.000	2.100	-2.100
30	C45_Biased	0.001	2.131	-2.130
30	C46_Biased	0.000	2.494	-2.494
30	A127_Unbiased	0.000	2.568	-2.568
30	B45_Unbiased	0.000	1.734	-1.734
30	B47_Unbiased	0.000	1.737	-1.737
30	C47_Unbiased	0.000	2.365	-2.365
30	C50_Unbiased	0.000	1.706	-1.706
50	A128_Biased	0.000	2.128	-2.128
50	A129_Biased	0.000	1.141	-1.141
50	B48_Biased	0.000	2.553	-2.553
50	B49_Biased	0.000	2.143	-2.143
50	C51_Biased	0.000	2.596	-2.596
50	A130_Unbiased	0.000	2.213	-2.213
50	A131_Unbiased	0.000	2.182	-2.182
50	B50_Unbiased	0.000	2.077	-2.077
50	B51_Unbiased	0.000	2.030	-2.030
50	C53_Unbiased	0.000	2.178	-2.178
0	106_Corr	0.003	2.178	-2.175
100	A132_Biased	0.000	1.363	-1.363
100	A134_Biased	0.000	14.052	-14.052
100	A135_Biased	0.000	0.883	-0.883
100	B52_Biased	0.000	1.632	-1.632
100	B54_Biased	0.000	1.254	-1.254
100	B55_Biased	0.000	1.328	-1.328
100	B56_Biased	0.000	0.883	-0.883
100	B57_Biased	0.000	1.722	-1.722
100	B59_Biased	0.000	1.238	-1.238
100	B62_Biased	0.000	1.745	-1.745
100	B63_Biased	0.000	1.671	-1.671
100	B64_Biased	0.000	1.835	-1.835
100	B66_Biased	0.000	1.223	-1.223
100	B68_Biased	0.000	1.663	-1.663
100	C54_Biased	0.000	1.765	-1.765
100	C55_Biased	0.000	1.386	-1.386
100	C56_Biased	0.000	0.891	-0.891
100	C57_Biased	0.000	1.035	-1.035
100	C58_Biased	0.000	1.632	-1.632
100	C59_Biased	0.000	0.813	-0.813
100	C65_Biased	0.001	0.964	-0.964
100	C67_Biased	0.000	1.741	-1.741
100	A122_Unbiased	0.000	1.195	-1.195
100	A138_Unbiased	0.000	1.074	-1.074
100	A139_Unbiased	0.000	0.641	-0.641
100	B60_Unbiased	0.000	1.238	-1.238
100	B61_Unbiased	0.000	0.946	-0.946
100	B69_Unbiased	0.000	1.090	-1.090
100	B70_Unbiased	0.000	1.410	-1.410
100	B71_Unbiased	0.000	1.441	-1.441
100	B72_Unbiased	0.000	2.245	-2.245
100	B73_Unbiased	0.000	2.026	-2.026
100	B74_Unbiased	0.000	1.554	-1.554
100	B77_Unbiased	0.000	0.883	-0.883
100	B78_Unbiased	0.000	0.989	-0.989
100	B79_Unbiased	0.000	0.872	-0.872
100	B80_Unbiased	0.000	1.698	-1.698
100	C70_Unbiased	0.000	0.723	-0.723
100	C71_Unbiased	0.000	1.648	-1.648
100	C72_Unbiased	0.001	1.332	-1.331
100	C73_Unbiased	0.000	1.121	-1.121
100	C75_Unbiased	0.000	1.656	-1.656
100	C76_Unbiased	0.000	1.226	-1.226
100	C78_Unbiased	0.001	1.029	-1.029
	Max	0.003	14.052	-0.641
	Average	0.000	1.855	-1.854
	Min	0.000	0.641	-14.052
	Std Dev	0.001	1.431	1.431



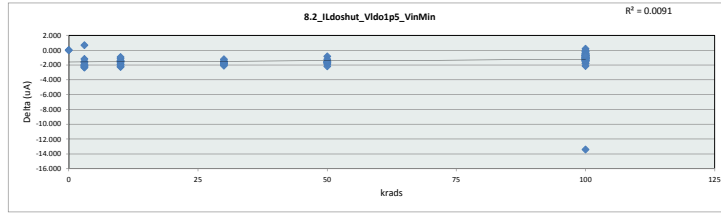
8.1_ILdoshut_Vldo1p8_VinMin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	uA				
Min Limit	0	uA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.878	1.519	1.788	1.706	1.141	0.641
Average	2.028	2.079	2.162	2.105	2.124	1.608
Max	2.178	2.607	2.767	2.568	2.596	14.052
UL	100.000	100.000	100.000	100.000	100.000	100.000



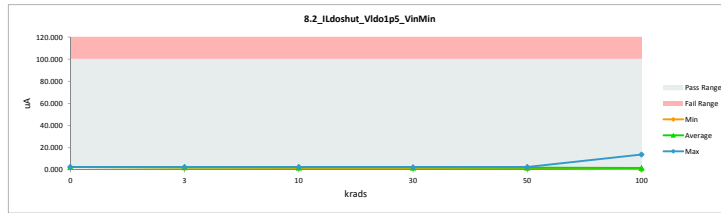
TID 100krad HDR Report
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8.2_ILdoshut_Vido1p5_VinMin			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	uA	uA	
Max Limit	100	100	
Min Limit	0	0	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.506	2.463	0.043
3	A116_Biased	0.326	2.545	-2.219
3	A117_Biased	0.283	2.346	-2.063
3	B36_Biased	0.170	2.525	-2.355
3	B37_Biased	0.185	2.100	-1.915
3	C39_Biased	0.376	1.882	-1.506
3	A118_Unbiased	0.291	2.560	-2.269
3	A140_Unbiased	2.506	1.912	0.694
3	B38_Unbiased	0.369	2.393	-2.024
3	B39_Unbiased	0.349	1.999	-1.650
3	C40_Unbiased	0.696	1.862	-1.166
10	A119_Biased	0.217	1.609	-1.392
10	A120_Biased	0.349	2.600	-2.251
10	B40_Biased	0.146	2.085	-1.939
10	C41_Biased	0.677	1.823	-1.146
10	C42_Biased	0.474	1.975	-1.501
10	A121_Unbiased	0.279	2.440	-2.161
10	A124_Unbiased	0.696	2.362	-1.666
10	B41_Unbiased	0.396	2.264	-1.868
10	C43_Unbiased	0.696	2.174	-1.478
10	C44_Unbiased	0.844	1.765	-0.921
30	A125_Biased	0.158	2.241	-2.083
30	B42_Biased	0.466	2.190	-1.724
30	B43_Biased	0.505	2.389	-1.884
30	C45_Biased	0.462	2.194	-1.732
30	C46_Biased	0.603	2.089	-1.486
30	A127_Unbiased	0.466	1.679	-1.213
30	B45_Unbiased	0.466	1.991	-1.525
30	B47_Unbiased	0.482	2.362	-1.880
30	C47_Unbiased	0.373	2.092	-1.719
30	C50_Unbiased	0.439	2.011	-1.572
50	A128_Biased	0.021	1.578	-1.557
50	A129_Biased	0.419	1.995	-1.576
50	B48_Biased	0.236	1.854	-1.618
50	B49_Biased	0.673	1.523	-0.850
50	C51_Biased	0.412	2.495	-1.883
50	A130_Unbiased	0.213	1.893	-1.680
50	A131_Unbiased	0.556	1.773	-1.217
50	B50_Unbiased	0.326	2.506	-2.180
50	B51_Unbiased	0.287	2.038	-1.751
50	C53_Unbiased	0.552	2.022	-1.470
0	106_Corr	2.506	2.514	-0.008
100	A132_Biased	0.252	1.215	-0.963
100	A134_Biased	0.400	13.822	-13.422
100	A135_Biased	0.158	1.542	-1.384
100	B52_Biased	0.100	0.899	-0.799
100	B54_Biased	0.146	1.199	-1.053
100	B55_Biased	0.131	0.825	-0.694
100	B56_Biased	0.236	1.406	-1.170
100	B57_Biased	0.275	1.008	-0.733
100	B59_Biased	0.575	0.376	0.199
100	B62_Biased	0.080	1.437	-1.357
100	B63_Biased	0.185	1.968	-1.783
100	B64_Biased	0.497	1.663	-1.166
100	B66_Biased	0.310	1.273	-0.963
100	B68_Biased	0.486	1.246	-0.760
100	C54_Biased	0.466	0.852	-0.386
100	C55_Biased	0.564	1.769	-1.205
100	C56_Biased	0.384	1.038	-0.654
100	C57_Biased	0.575	1.936	-1.361
100	C58_Biased	0.719	0.879	-0.160
100	C59_Biased	0.622	1.379	-0.757
100	C65_Biased	0.548	1.957	-1.409
100	C67_Biased	0.318	1.808	-1.490
100	A122_Unbiased	0.443	1.402	-0.959
100	A138_Unbiased	0.026	1.527	-1.501
100	A139_Unbiased	0.178	0.641	-0.463
100	B60_Unbiased	0.328	1.238	-0.910
100	B61_Unbiased	0.076	1.156	-1.080
100	B69_Unbiased	0.388	0.977	-0.589
100	B70_Unbiased	0.076	1.808	-1.732
100	B71_Unbiased	0.497	1.710	-1.213
100	B72_Unbiased	0.478	1.858	-1.380
100	B73_Unbiased	0.256	2.365	-2.109
100	B74_Unbiased	0.419	1.566	-1.147
100	B77_Unbiased	0.466	1.535	-1.069
100	B78_Unbiased	0.388	1.441	-1.053
100	B79_Unbiased	0.443	1.886	-1.443
100	B80_Unbiased	0.341	1.492	-1.151
100	C70_Unbiased	0.521	0.716	-0.195
100	C71_Unbiased	0.677	1.461	-0.784
100	C72_Unbiased	0.770	0.844	-0.074
100	C73_Unbiased	0.645	1.605	-0.960
100	C75_Unbiased	0.727	1.148	-0.421
100	C76_Unbiased	0.396	0.922	-0.526
100	C79_Unbiased	0.556	1.289	-0.733
	Max	2.506	13.822	0.694
	Average	0.472	1.862	-1.389
	Min	0.021	0.376	-13.422
	Std Dev	0.431	1.407	1.455

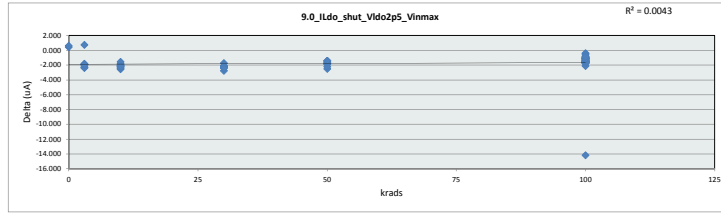


8.2_ILdoshut_Vido1p5_VinMin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	uA				
Min Limit	0	uA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.463	1.812	1.609	1.679	1.523	0.376
Average	2.489	2.202	2.110	2.124	1.948	1.620
Max	2.514	2.560	2.600	2.389	2.506	13.822
UL	100.000	100.000	100.000	100.000	100.000	100.000

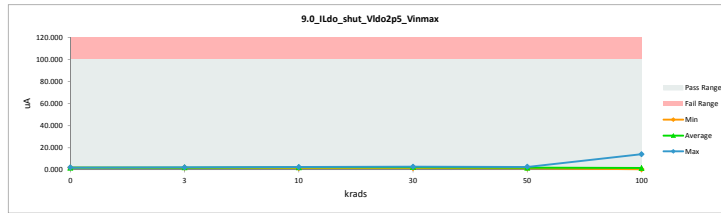


TID 100krad HDR Report
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9.0_Ildo_shut_Vldo2p5_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.584	2.143	0.441
3	A116_Biased	0.115	2.007	-1.892
3	A117_Biased	0.083	2.350	-2.267
3	B36_Biased	0.002	2.401	-2.399
3	B37_Biased	0.278	2.124	-1.846
3	C39_Biased	0.025	2.358	-2.333
3	A118_Unbiased	0.146	2.085	-1.939
3	A140_Unbiased	2.584	1.943	0.741
3	B38_Unbiased	0.069	2.073	-2.004
3	B39_Unbiased	0.017	1.948	-1.931
3	C40_Unbiased	0.326	2.260	-1.934
10	A119_Biased	0.115	2.681	-2.566
10	A120_Biased	0.104	2.194	-2.090
10	B40_Biased	0.415	2.245	-1.830
10	C41_Biased	0.084	2.085	-2.001
10	C42_Biased	0.287	2.303	-2.016
10	A121_Unbiased	0.143	2.603	-2.460
10	A124_Unbiased	0.170	2.451	-2.281
10	B41_Unbiased	0.454	2.631	-2.177
10	C43_Unbiased	0.209	1.780	-1.571
10	C44_Unbiased	0.127	2.354	-2.227
30	A125_Biased	0.218	2.290	-2.072
30	B42_Biased	0.076	2.853	-2.777
30	B43_Biased	0.084	2.186	-2.102
30	C45_Biased	0.130	2.369	-2.239
30	C46_Biased	0.462	2.658	-2.196
30	A127_Unbiased	0.185	2.549	-2.364
30	B45_Unbiased	0.220	2.443	-2.223
30	B47_Unbiased	0.030	2.178	-2.148
30	C47_Unbiased	0.096	1.815	-1.719
30	C50_Unbiased	0.165	2.530	-2.415
50	A128_Biased	0.391	2.229	-1.838
50	A129_Biased	0.108	1.531	-1.423
50	B48_Biased	0.251	2.131	-1.880
50	B49_Biased	0.248	2.752	-2.504
50	C51_Biased	0.119	1.995	-1.876
50	A130_Unbiased	0.115	1.831	-1.716
50	A131_Unbiased	0.123	2.334	-2.211
50	B50_Unbiased	0.126	1.546	-1.420
50	B51_Unbiased	0.021	1.636	-1.615
50	C53_Unbiased	0.108	1.566	-1.458
0	106_Corr	2.592	2.011	0.581
100	A132_Biased	0.139	1.355	-1.216
100	A134_Biased	0.088	14.267	-14.179
100	A135_Biased	0.138	1.141	-1.003
100	B52_Biased	0.283	1.347	-1.064
100	B54_Biased	0.154	1.854	-1.700
100	B55_Biased	0.002	1.398	-1.396
100	B56_Biased	0.014	1.749	-1.755
100	B57_Biased	0.099	1.714	-1.615
100	B59_Biased	0.026	1.535	-1.509
100	B62_Biased	0.041	1.191	-1.150
100	B63_Biased	0.092	1.886	-1.794
100	B64_Biased	0.173	1.589	-1.416
100	B66_Biased	0.251	1.726	-1.475
100	B68_Biased	0.142	1.745	-1.603
100	C54_Biased	0.314	1.480	-1.166
100	C55_Biased	0.260	1.137	-0.857
100	C56_Biased	0.026	0.493	-0.467
100	C57_Biased	0.158	1.765	-1.607
100	C58_Biased	0.162	1.156	-0.994
100	C59_Biased	0.045	1.340	-1.295
100	C65_Biased	0.166	1.679	-1.513
100	C67_Biased	0.283	1.897	-1.614
100	A122_Unbiased	0.033	1.145	-1.112
100	A138_Unbiased	0.088	1.375	-1.287
100	A139_Unbiased	0.170	1.008	-0.838
100	B60_Unbiased	0.228	1.371	-1.143
100	B61_Unbiased	0.228	1.800	-1.572
100	B69_Unbiased	0.228	1.858	-1.630
100	B70_Unbiased	0.228	1.332	-1.104
100	B71_Unbiased	0.045	1.047	-1.002
100	B72_Unbiased	0.146	1.324	-1.178
100	B73_Unbiased	0.010	2.143	-2.133
100	B74_Unbiased	0.080	1.597	-1.517
100	B77_Unbiased	0.056	1.148	-1.092
100	B78_Unbiased	0.006	1.741	-1.735
100	B79_Unbiased	0.002	1.714	-1.712
100	B80_Unbiased	0.083	1.722	-1.639
100	C70_Unbiased	0.084	0.493	-0.409
100	C71_Unbiased	0.065	1.457	-1.392
100	C72_Unbiased	0.178	1.609	-1.431
100	C73_Unbiased	0.006	1.316	-1.310
100	C75_Unbiased	0.002	1.195	-1.193
100	C76_Unbiased	0.080	0.708	-0.628
100	C78_Unbiased	0.224	1.133	-0.909
	Max	2.592	14.267	0.741
	Average	0.227	1.957	-1.730
	Min	0.002	0.493	-14.179
	Std Dev	0.463	1.441	1.505

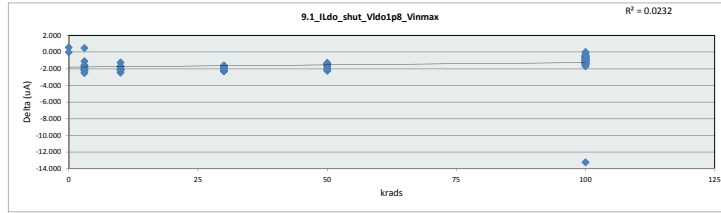


9.0_Ildo_shut_Vldo2p5_Vinmax						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	uA				
Min Limit	0	uA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.011	1.843	1.780	1.815	1.531	0.493
Average	2.077	2.145	2.333	2.415	1.955	1.720
Max	2.143	2.401	2.681	2.853	2.752	14.267
UL	100.000	100.000	100.000	100.000	100.000	100.000

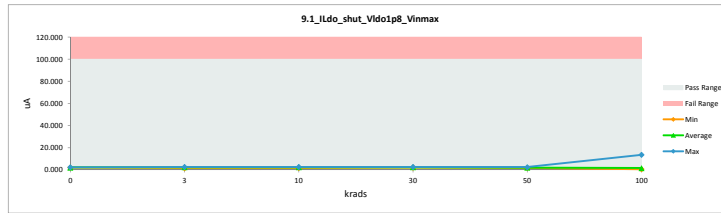


TID 100krad HDR Report
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9.1_ILdo_shut_Vldo1p8_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.502	1.944	0.558
3	A116_Biased	0.252	2.420	-2.168
3	A117_Biased	0.037	2.003	-1.966
3	B36_Biased	0.260	2.350	-2.090
3	B37_Biased	0.443	1.527	-1.084
3	C39_Biased	0.252	1.936	-1.684
3	A118_Unbiased	0.139	2.342	-2.203
3	A140_Unbiased	2.502	2.018	0.484
3	B38_Unbiased	0.049	2.568	-2.519
3	B39_Unbiased	0.447	1.987	-1.540
3	C40_Unbiased	0.599	2.412	-1.813
10	A119_Biased	0.201	2.311	-2.110
10	A120_Biased	0.217	2.248	-2.031
10	B40_Biased	0.209	2.334	-2.125
10	C41_Biased	0.649	2.381	-1.732
10	C42_Biased	0.154	2.350	-2.196
10	A121_Unbiased	0.076	2.557	-2.481
10	A124_Unbiased	0.252	2.397	-2.145
10	B41_Unbiased	0.045	1.753	-1.708
10	C43_Unbiased	0.747	2.011	-1.264
10	C44_Unbiased	0.501	2.206	-1.705
30	A125_Biased	0.131	2.154	-2.024
30	B42_Biased	0.252	2.533	-2.281
30	B43_Biased	0.209	2.038	-1.829
30	C45_Biased	0.185	2.167	-1.982
30	C46_Biased	0.528	2.326	-1.798
30	A127_Unbiased	0.084	2.303	-2.219
30	B45_Unbiased	0.068	2.128	-2.060
30	B47_Unbiased	0.092	1.972	-1.880
30	C47_Unbiased	0.591	2.202	-1.611
30	C50_Unbiased	0.369	2.213	-1.844
50	A128_Biased	0.096	2.358	-2.262
50	A129_Biased	0.583	1.979	-1.396
50	B48_Biased	0.161	2.303	-2.142
50	B49_Biased	0.263	2.186	-1.923
50	C51_Biased	0.380	1.979	-1.599
50	A130_Unbiased	0.404	2.011	-1.607
50	A131_Unbiased	0.162	1.601	-1.439
50	B50_Unbiased	0.236	1.932	-1.696
50	B51_Unbiased	0.244	2.295	-2.051
50	C53_Unbiased	0.478	1.776	-1.298
0	106_Corr	2.171	2.202	-0.031
100	A132_Biased	0.267	1.418	-1.151
100	A134_Biased	0.217	13.448	-13.231
100	A135_Biased	0.021	1.554	-1.533
100	B52_Biased	0.236	1.379	-1.143
100	B54_Biased	0.205	1.617	-1.412
100	B55_Biased	0.057	0.992	-0.935
100	B56_Biased	0.084	1.558	-1.474
100	B57_Biased	0.201	1.605	-1.404
100	B59_Biased	0.451	1.067	-0.616
100	B62_Biased	0.271	1.199	-0.928
100	B63_Biased	0.435	1.808	-1.373
100	B64_Biased	0.357	1.238	-0.881
100	B66_Biased	0.092	1.507	-1.415
100	B68_Biased	0.185	1.597	-1.412
100	C54_Biased	0.536	1.839	-1.303
100	C55_Biased	0.318	1.207	-0.889
100	C56_Biased	0.365	1.038	-0.673
100	C57_Biased	0.525	1.511	-0.986
100	C58_Biased	0.104	1.441	-1.337
100	C59_Biased	0.322	1.289	-0.967
100	C65_Biased	0.396	0.956	-0.560
100	C67_Biased	0.645	1.102	-0.457
100	A122_Unbiased	0.182	1.566	-1.384
100	A138_Unbiased	0.127	1.180	-1.053
100	A139_Unbiased	0.197	1.164	-0.967
100	B60_Unbiased	0.127	1.425	-1.298
100	B61_Unbiased	0.447	0.985	-0.538
100	B69_Unbiased	0.127	1.187	-1.060
100	B70_Unbiased	0.447	1.082	-0.635
100	B71_Unbiased	0.501	0.950	-0.449
100	B72_Unbiased	0.431	1.203	-0.772
100	B73_Unbiased	0.205	1.917	-1.712
100	B74_Unbiased	0.490	1.340	-0.850
100	B77_Unbiased	0.166	1.098	-0.932
100	B78_Unbiased	0.127	1.301	-1.166
100	B79_Unbiased	0.681	1.117	-0.436
100	B80_Unbiased	0.443	1.316	-0.873
100	C70_Unbiased	0.287	0.938	-0.651
100	C71_Unbiased	0.669	1.230	-0.561
100	C72_Unbiased	0.575	0.794	-0.219
100	C73_Unbiased	0.536	1.035	-0.499
100	C75_Unbiased	0.474	1.316	-0.842
100	C76_Unbiased	0.384	0.782	-0.398
100	C79_Unbiased	0.458	0.416	-0.042
	Max	2.502	13.448	0.558
	Average	0.379	1.845	-1.466
	Min	0.021	0.442	-13.231
	Std Dev	0.426	1.372	1.450

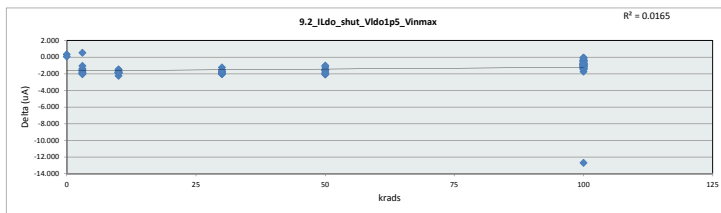


9.1_ILdo_shut_Vldo1p8_Vinmax						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	uA				
Min Limit	0	uA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.944	1.527	1.753	1.972	1.601	0.442
Average	2.073	2.156	2.255	2.234	2.042	1.539
Max	2.202	2.568	2.557	2.533	2.358	13.448
UL	100.000	100.000	100.000	100.000	100.000	100.000

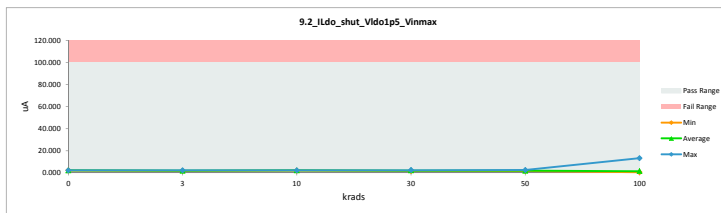


TID 100krad HDR Report
TPS7H3301-SP

9.2_ILdo_shut_Vldo1p5_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.486	2.139	0.347
3	A116_Biased	0.299	2.073	-1.774
3	A117_Biased	0.634	2.264	-1.630
3	B36_Biased	0.119	2.057	-1.938
3	B37_Biased	0.353	1.815	-1.462
3	C39_Biased	0.649	2.053	-1.404
3	A118_Unbiased	0.310	2.143	-1.833
3	A140_Unbiased	2.486	1.979	0.507
3	B38_Unbiased	0.182	2.167	-1.985
3	B39_Unbiased	0.326	2.393	-2.067
3	C40_Unbiased	0.766	1.812	-1.046
10	A119_Biased	0.096	2.338	-2.242
10	A120_Biased	0.380	2.213	-1.833
10	B40_Biased	0.092	2.018	-1.926
10	C41_Biased	0.653	2.116	-1.463
10	C42_Biased	0.334	2.069	-1.735
10	A121_Unbiased	0.318	2.213	-1.895
10	A124_Unbiased	0.474	2.280	-1.806
10	B41_Unbiased	0.540	2.401	-1.861
10	C43_Unbiased	0.458	2.014	-1.556
10	C44_Unbiased	0.419	2.280	-1.861
30	A125_Biased	0.232	2.213	-1.981
30	B42_Biased	0.357	2.100	-1.743
30	B43_Biased	0.135	2.139	-2.004
30	C45_Biased	0.681	2.412	-1.731
30	C46_Biased	0.567	1.796	-1.229
30	A127_Unbiased	0.384	2.436	-2.052
30	B45_Unbiased	0.185	2.065	-1.880
30	B47_Unbiased	0.252	2.245	-1.993
30	C47_Unbiased	0.462	2.003	-1.541
30	C50_Unbiased	0.451	2.120	-1.669
50	A128_Biased	0.513	2.580	-2.067
50	A129_Biased	0.493	2.135	-1.642
50	B48_Biased	0.010	2.120	-2.110
50	B49_Biased	0.197	2.011	-1.814
50	C51_Biased	0.384	2.135	-1.751
50	A130_Unbiased	0.431	1.617	-1.186
50	A131_Unbiased	0.630	2.170	-1.540
50	B50_Unbiased	0.302	1.788	-1.486
50	B51_Unbiased	0.248	2.229	-1.981
50	C53_Biased	0.681	1.714	-1.033
0	106_Corr	2.440	2.381	0.059
100	A132_Biased	0.221	1.956	-1.735
100	A134_Biased	0.560	13.245	-12.685
100	A135_Biased	0.010	1.449	-1.439
100	B52_Biased	0.299	1.344	-1.045
100	B54_Biased	0.525	1.706	-1.181
100	B55_Biased	0.419	1.269	-0.850
100	B56_Biased	0.213	1.644	-1.431
100	B57_Biased	0.221	1.117	-0.896
100	B59_Biased	0.295	1.133	-0.838
100	B62_Biased	0.130	1.065	-0.925
100	B63_Biased	0.447	1.457	-1.010
100	B64_Biased	0.209	1.550	-1.341
100	B66_Biased	0.022	1.433	-1.411
100	B68_Biased	0.408	1.546	-1.138
100	C54_Biased	0.544	1.823	-1.279
100	C55_Biased	0.412	1.585	-1.173
100	C56_Biased	0.419	0.755	-0.336
100	C57_Biased	0.642	1.550	-0.908
100	C58_Biased	0.591	1.285	-0.694
100	C59_Biased	0.528	1.656	-1.128
100	C65_Biased	0.591	0.651	-0.070
100	C67_Biased	0.583	1.028	-0.445
100	A122_Unbiased	0.400	1.550	-1.150
100	A138_Unbiased	0.267	1.203	-0.936
100	A139_Unbiased	0.166	1.620	-1.454
100	B60_Unbiased	0.392	1.289	-0.897
100	B61_Unbiased	0.603	0.809	-0.206
100	B69_Unbiased	0.392	1.129	-0.737
100	B70_Unbiased	0.603	1.137	-0.534
100	B71_Unbiased	0.493	1.336	-0.843
100	B72_Unbiased	0.154	1.016	-0.862
100	B73_Unbiased	0.154	1.500	-1.346
100	B74_Unbiased	0.454	1.312	-0.858
100	B77_Unbiased	0.408	1.035	-0.627
100	B78_Unbiased	0.302	1.172	-0.870
100	B79_Unbiased	0.790	1.312	-0.522
100	B80_Unbiased	0.279	1.355	-1.076
100	C70_Unbiased	0.314	0.712	-0.398
100	C71_Unbiased	0.521	1.344	-0.823
100	C72_Unbiased	0.579	1.020	-0.441
100	C73_Unbiased	0.517	1.351	-0.834
100	C75_Unbiased	0.895	1.336	-0.441
100	C76_Unbiased	0.248	1.125	-0.877
100	C78_Unbiased	0.918	1.020	-0.102
	Max	2.486	13.245	0.507
	Average	0.474	1.840	-1.366
	Min	0.010	0.661	-12.685
	Std Dev	0.429	1.335	1.377

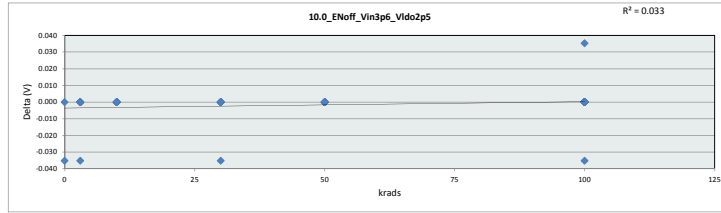


9.2_ILdo_shut_Vldo1p5_Vinmax						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	uA				
Min Limit	0	uA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.139	1.812	2.014	1.796	1.617	0.661
Average	2.260	2.076	2.194	2.160	2.050	1.567
Max	2.381	2.393	2.401	2.436	2.580	13.245
UL	100.000	100.000	100.000	100.000	100.000	100.000

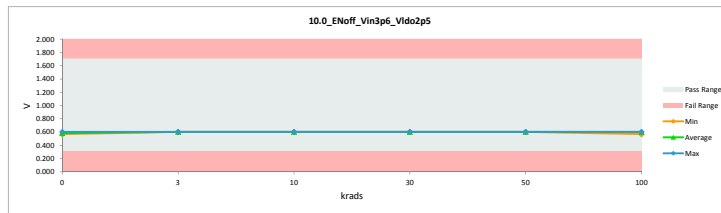


TID 100krad HDR Report
TPS7H3301-SP

10.0_Enoff_Vin3p6_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.566	0.601	-0.035
3	A116_Biased	0.601	0.601	0.000
3	A117_Biased	0.601	0.601	0.000
3	B36_Biased	0.601	0.601	0.000
3	B37_Biased	0.601	0.601	0.000
3	C39_Biased	0.601	0.601	0.000
3	A118_Unbiased	0.601	0.601	0.000
3	A140_Unbiased	0.566	0.601	-0.035
3	B38_Unbiased	0.601	0.601	0.000
3	B39_Unbiased	0.601	0.601	0.000
3	C40_Unbiased	0.601	0.601	0.000
10	A119_Biased	0.601	0.601	0.000
10	A120_Biased	0.601	0.601	0.000
10	B40_Biased	0.601	0.601	0.000
10	C41_Biased	0.601	0.601	0.000
10	C42_Biased	0.601	0.601	0.000
10	A121_Unbiased	0.601	0.601	0.000
10	A124_Unbiased	0.601	0.601	0.000
10	B41_Unbiased	0.601	0.601	0.000
10	C43_Unbiased	0.601	0.601	0.000
10	C44_Unbiased	0.601	0.601	0.000
30	A125_Biased	0.601	0.601	0.000
30	B42_Biased	0.601	0.601	0.000
30	B43_Biased	0.601	0.601	0.000
30	C45_Biased	0.601	0.601	0.000
30	C46_Biased	0.566	0.601	-0.035
30	A127_Unbiased	0.601	0.601	0.000
30	B45_Unbiased	0.601	0.601	0.000
30	B47_Unbiased	0.601	0.601	0.000
30	C47_Unbiased	0.601	0.601	0.000
30	C50_Unbiased	0.601	0.601	0.000
50	A128_Biased	0.601	0.601	0.000
50	A129_Biased	0.601	0.601	0.000
50	B48_Biased	0.601	0.601	0.000
50	B49_Biased	0.601	0.601	0.000
50	C51_Biased	0.601	0.601	0.000
50	A130_Unbiased	0.601	0.601	0.000
50	A131_Unbiased	0.601	0.601	0.000
50	B50_Unbiased	0.601	0.601	0.000
50	B51_Unbiased	0.601	0.601	0.000
50	C53_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.566	0.000
100	A132_Biased	0.601	0.601	0.000
100	A134_Biased	0.601	0.566	0.035
100	A135_Biased	0.601	0.601	0.000
100	B52_Biased	0.601	0.601	0.000
100	B54_Biased	0.601	0.601	0.000
100	B55_Biased	0.601	0.601	0.000
100	B56_Biased	0.601	0.601	0.000
100	B57_Biased	0.601	0.601	0.000
100	B59_Biased	0.601	0.601	0.000
100	B62_Biased	0.601	0.601	0.000
100	B63_Biased	0.601	0.601	0.000
100	B64_Biased	0.601	0.601	0.000
100	B66_Biased	0.601	0.601	0.000
100	B68_Biased	0.601	0.601	0.000
100	C54_Biased	0.601	0.601	0.000
100	C55_Biased	0.601	0.601	0.000
100	C56_Biased	0.601	0.601	0.000
100	C57_Biased	0.601	0.601	0.000
100	C58_Biased	0.601	0.601	0.000
100	C59_Biased	0.601	0.601	0.000
100	C65_Biased	0.566	0.601	-0.035
100	C67_Biased	0.601	0.601	0.000
100	A122_Unbiased	0.601	0.601	0.000
100	A138_Unbiased	0.601	0.601	0.000
100	A139_Unbiased	0.601	0.601	0.000
100	B60_Unbiased	0.601	0.601	0.000
100	B61_Unbiased	0.601	0.601	0.000
100	B69_Unbiased	0.601	0.601	0.000
100	B70_Unbiased	0.601	0.601	0.000
100	B71_Unbiased	0.601	0.601	0.000
100	B72_Unbiased	0.601	0.601	0.000
100	B73_Unbiased	0.601	0.601	0.000
100	B74_Unbiased	0.601	0.601	0.000
100	B77_Unbiased	0.601	0.601	0.000
100	B78_Unbiased	0.601	0.601	0.000
100	B79_Unbiased	0.601	0.601	0.000
100	B80_Unbiased	0.601	0.601	0.000
100	C70_Unbiased	0.601	0.601	0.000
100	C71_Unbiased	0.601	0.601	0.000
100	C72_Unbiased	0.601	0.601	0.000
100	C73_Unbiased	0.601	0.601	0.000
100	C75_Unbiased	0.601	0.601	0.000
100	C76_Unbiased	0.601	0.601	0.000
100	C79_Unbiased	0.601	0.601	0.000
	Max	0.601	0.601	0.035
	Average	0.599	0.600	-0.001
	Min	0.566	0.566	-0.035
	Std Dev	0.008	0.005	0.008

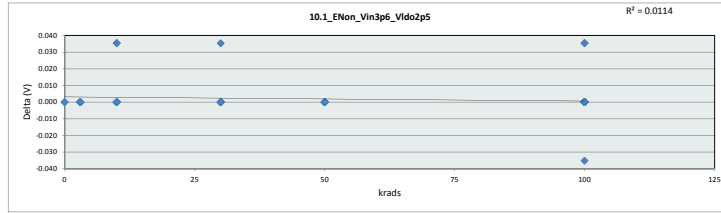


10.0_Enoff_Vin3p6_Vldo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.7 V					
Min Limit	0.3 V					
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.566	0.601	0.601	0.601	0.601	0.566
Average	0.583	0.601	0.601	0.601	0.601	0.600
Max	0.601	0.601	0.601	0.601	0.601	0.601
UL	1.700	1.700	1.700	1.700	1.700	1.700

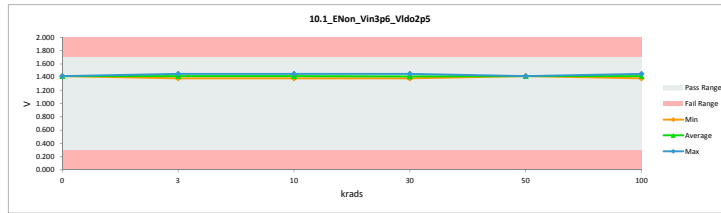


TID 100krad HDR Report
TPS7H3301-SP

10.1_ENon_Vin3p6_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.414	1.414	0.000
3	A116_Biased	1.414	1.414	0.000
3	A117_Biased	1.414	1.414	0.000
3	B36_Biased	1.414	1.414	0.000
3	B37_Biased	1.414	1.414	0.000
3	C39_Biased	1.449	1.449	0.000
3	A118_Unbiased	1.379	1.379	0.000
3	A140_Unbiased	1.414	1.414	0.000
3	B38_Unbiased	1.414	1.414	0.000
3	B39_Unbiased	1.414	1.414	0.000
3	C40_Unbiased	1.414	1.414	0.000
10	A119_Biased	1.414	1.379	0.035
10	A120_Biased	1.414	1.414	0.000
10	B40_Biased	1.414	1.414	0.000
10	C41_Biased	1.449	1.449	0.000
10	C42_Biased	1.414	1.414	0.000
10	A121_Unbiased	1.414	1.414	0.000
10	A124_Unbiased	1.414	1.414	0.000
10	B41_Unbiased	1.414	1.414	0.000
10	C43_Unbiased	1.414	1.414	0.000
10	C44_Unbiased	1.449	1.414	0.035
30	A125_Biased	1.414	1.414	0.000
30	B42_Biased	1.414	1.414	0.000
30	B43_Biased	1.414	1.414	0.000
30	C45_Biased	1.414	1.414	0.000
30	C46_Biased	1.414	1.414	0.000
30	A127_Unbiased	1.414	1.379	0.035
30	B45_Unbiased	1.414	1.414	0.000
30	B47_Unbiased	1.379	1.379	0.000
30	C47_Unbiased	1.414	1.414	0.000
30	C50_Unbiased	1.449	1.449	0.000
50	A128_Biased	1.414	1.414	0.000
50	A129_Biased	1.414	1.414	0.000
50	B48_Biased	1.414	1.414	0.000
50	B49_Biased	1.414	1.414	0.000
50	C51_Biased	1.414	1.414	0.000
50	A130_Unbiased	1.414	1.414	0.000
50	A131_Unbiased	1.414	1.414	0.000
50	B50_Unbiased	1.414	1.414	0.000
50	B51_Unbiased	1.414	1.414	0.000
50	C53_Unbiased	1.414	1.414	0.000
0	106_Corr	1.414	1.414	0.000
100	A132_Biased	1.414	1.414	0.000
100	A134_Biased	1.414	1.414	0.000
100	A135_Biased	1.414	1.414	0.000
100	B52_Biased	1.414	1.414	0.000
100	B54_Biased	1.414	1.414	0.000
100	B55_Biased	1.379	1.379	0.000
100	B56_Biased	1.414	1.414	0.000
100	B57_Biased	1.414	1.414	0.000
100	B59_Biased	1.414	1.414	0.000
100	B62_Biased	1.414	1.414	0.000
100	B63_Biased	1.414	1.414	0.000
100	B64_Biased	1.414	1.414	0.000
100	B66_Biased	1.414	1.414	0.000
100	B68_Biased	1.414	1.414	0.000
100	C54_Biased	1.414	1.414	0.000
100	C55_Biased	1.414	1.414	0.000
100	C56_Biased	1.414	1.414	0.000
100	C57_Biased	1.414	1.414	0.000
100	C58_Biased	1.414	1.414	0.000
100	C59_Biased	1.449	1.449	0.000
100	C65_Biased	1.414	1.414	0.000
100	C67_Biased	1.449	1.449	0.000
100	A122_Unbiased	1.414	1.414	0.000
100	A138_Unbiased	1.379	1.379	0.000
100	A139_Unbiased	1.414	1.379	0.035
100	B60_Unbiased	1.379	1.414	-0.035
100	B61_Unbiased	1.414	1.414	0.000
100	B69_Unbiased	1.379	1.379	0.000
100	B70_Unbiased	1.414	1.414	0.000
100	B71_Unbiased	1.414	1.414	0.000
100	B72_Unbiased	1.414	1.414	0.000
100	B73_Unbiased	1.414	1.414	0.000
100	B74_Unbiased	1.414	1.414	0.000
100	B77_Unbiased	1.414	1.414	0.000
100	B78_Unbiased	1.414	1.414	0.000
100	B79_Unbiased	1.414	1.414	0.000
100	B80_Unbiased	1.414	1.414	0.000
100	C70_Unbiased	1.414	1.414	0.000
100	C71_Unbiased	1.414	1.414	0.000
100	C72_Unbiased	1.449	1.414	0.035
100	C73_Unbiased	1.414	1.414	0.000
100	C75_Unbiased	1.414	1.414	0.000
100	C76_Unbiased	1.449	1.449	0.000
100	C78_Unbiased	1.414	1.414	0.000
	Max	1.449	1.449	0.035
	Average	1.415	1.413	0.002
	Min	1.379	1.379	-0.035
	Std Dev	0.014	0.014	0.009

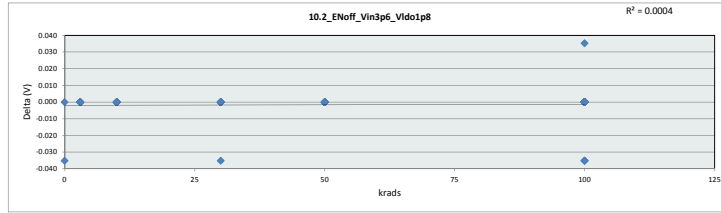


10.1_ENon_Vin3p6_Vldo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	1.414	1.379	1.379	1.379	1.414	1.379
Average	1.414	1.414	1.414	1.411	1.414	1.413
Max	1.414	1.450	1.450	1.450	1.414	1.450
UL	1.700	1.700	1.700	1.700	1.700	1.700

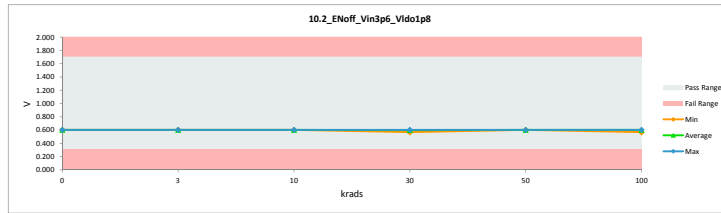


TID 100krad HDR Report
TPS7H3301-SP

10.2_Enoff_Vin3p6_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.601	0.601	0.000
3	A116_Biased	0.601	0.601	0.000
3	A117_Biased	0.601	0.601	0.000
3	B36_Biased	0.601	0.601	0.000
3	B37_Biased	0.601	0.601	0.000
3	C39_Biased	0.601	0.601	0.000
3	A118_Unbiased	0.601	0.601	0.000
3	A140_Unbiased	0.601	0.601	0.000
3	B38_Unbiased	0.601	0.601	0.000
3	B39_Unbiased	0.601	0.601	0.000
3	C40_Unbiased	0.601	0.601	0.000
10	A119_Biased	0.601	0.601	0.000
10	A120_Biased	0.601	0.601	0.000
10	B40_Biased	0.601	0.601	0.000
10	C41_Biased	0.601	0.601	0.000
10	C42_Biased	0.601	0.601	0.000
10	A121_Unbiased	0.601	0.601	0.000
10	A124_Unbiased	0.601	0.601	0.000
10	B41_Unbiased	0.601	0.601	0.000
10	C43_Unbiased	0.601	0.601	0.000
10	C44_Unbiased	0.601	0.601	0.000
30	A125_Biased	0.601	0.601	0.000
30	B42_Biased	0.601	0.601	0.000
30	B43_Biased	0.601	0.601	0.000
30	C45_Biased	0.601	0.601	0.000
30	C46_Biased	0.566	0.601	-0.035
30	A127_Unbiased	0.601	0.601	0.000
30	B45_Unbiased	0.601	0.601	0.000
30	B47_Unbiased	0.566	0.566	0.000
30	C47_Unbiased	0.601	0.601	0.000
30	C50_Unbiased	0.601	0.601	0.000
50	A128_Biased	0.601	0.601	0.000
50	A129_Biased	0.601	0.601	0.000
50	B48_Biased	0.601	0.601	0.000
50	B49_Biased	0.601	0.601	0.000
50	C51_Biased	0.601	0.601	0.000
50	A130_Unbiased	0.601	0.601	0.000
50	A131_Unbiased	0.601	0.601	0.000
50	B50_Unbiased	0.601	0.601	0.000
50	B51_Unbiased	0.601	0.601	0.000
50	C53_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.601	-0.035
100	A132_Biased	0.601	0.601	0.000
100	A134_Biased	0.601	0.566	0.035
100	A135_Biased	0.601	0.601	0.000
100	B52_Biased	0.601	0.601	0.000
100	B54_Biased	0.601	0.601	0.000
100	B55_Biased	0.601	0.601	0.000
100	B56_Biased	0.601	0.601	0.000
100	B57_Biased	0.601	0.601	0.000
100	B59_Biased	0.601	0.601	0.000
100	B62_Biased	0.601	0.601	0.000
100	B63_Biased	0.601	0.601	0.000
100	B64_Biased	0.601	0.601	0.000
100	B66_Biased	0.601	0.601	0.000
100	B68_Biased	0.566	0.601	-0.035
100	C54_Biased	0.601	0.601	0.000
100	C55_Biased	0.601	0.601	0.000
100	C56_Biased	0.601	0.601	0.000
100	C57_Biased	0.601	0.601	0.000
100	C58_Biased	0.601	0.601	0.000
100	C59_Biased	0.601	0.601	0.000
100	C65_Biased	0.566	0.601	-0.035
100	C67_Biased	0.601	0.601	0.000
100	A122_Unbiased	0.601	0.601	0.000
100	A138_Unbiased	0.601	0.601	0.000
100	A139_Unbiased	0.601	0.601	0.000
100	B60_Unbiased	0.601	0.601	0.000
100	B61_Unbiased	0.601	0.601	0.000
100	B69_Unbiased	0.601	0.601	0.000
100	B70_Unbiased	0.601	0.601	0.000
100	B71_Unbiased	0.601	0.601	0.000
100	B72_Unbiased	0.601	0.601	0.000
100	B73_Unbiased	0.566	0.601	-0.035
100	B74_Unbiased	0.601	0.601	0.000
100	B77_Unbiased	0.601	0.601	0.000
100	B78_Unbiased	0.601	0.601	0.000
100	B79_Unbiased	0.601	0.601	0.000
100	B80_Unbiased	0.601	0.601	0.000
100	C70_Unbiased	0.601	0.601	0.000
100	C71_Unbiased	0.601	0.601	0.000
100	C72_Unbiased	0.601	0.601	0.000
100	C73_Unbiased	0.601	0.601	0.000
100	C75_Unbiased	0.601	0.601	0.000
100	C76_Unbiased	0.601	0.601	0.000
100	C79_Unbiased	0.601	0.601	0.000
	Max	0.601	0.601	0.035
	Average	0.599	0.600	-0.002
	Min	0.566	0.566	-0.035
	Std Dev	0.009	0.005	0.009



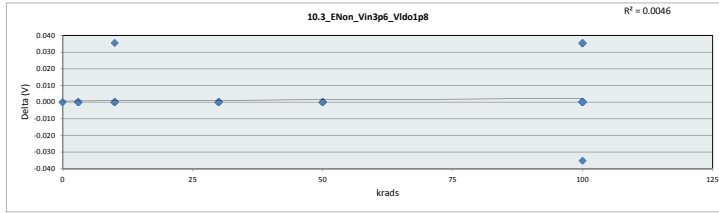
10.2_Enoff_Vin3p6_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.601	0.601	0.601	0.566	0.601	0.566
Average	0.601	0.601	0.601	0.597	0.601	0.600
Max	0.601	0.601	0.601	0.601	0.601	0.601
UL	1.700	1.700	1.700	1.700	1.700	1.700



TID 100krad HDR Report
TPS7H3301-SP

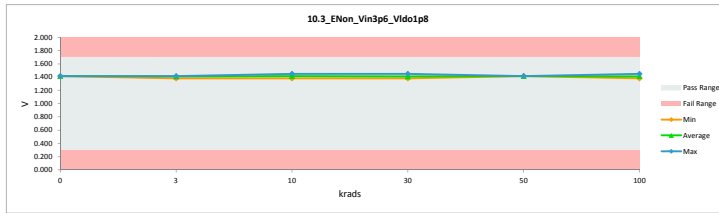
10.3_ENon_Vin3p6_VIdo1p8			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	1.7	1.7	
Min Limit	0.3	0.3	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.414	1.414	0.000
3	A116_Biased	1.414	1.414	0.000
3	A117_Biased	1.414	1.414	0.000
3	B36_Biased	1.414	1.414	0.000
3	B37_Biased	1.414	1.414	0.000
3	C39_Biased	1.414	1.414	0.000
3	A118_Unbiased	1.379	1.379	0.000
3	A140_Unbiased	1.414	1.414	0.000
3	B38_Unbiased	1.414	1.414	0.000
3	B39_Unbiased	1.414	1.414	0.000
3	C40_Unbiased	1.414	1.414	0.000
10	A119_Biased	1.379	1.379	0.000
10	A120_Biased	1.414	1.414	0.000
10	B40_Biased	1.414	1.414	0.000
10	C41_Biased	1.449	1.449	0.000
10	C42_Biased	1.414	1.414	0.000
10	A121_Unbiased	1.414	1.414	0.000
10	A124_Unbiased	1.414	1.414	0.000
10	B41_Unbiased	1.414	1.414	0.000
10	C43_Unbiased	1.414	1.414	0.000
10	C44_Unbiased	1.449	1.414	0.035
30	A125_Biased	1.414	1.414	0.000
30	B42_Biased	1.414	1.414	0.000
30	B43_Biased	1.414	1.414	0.000
30	C45_Biased	1.414	1.414	0.000
30	C46_Biased	1.414	1.414	0.000
30	A127_Unbiased	1.379	1.379	0.000
30	B45_Unbiased	1.414	1.414	0.000
30	B47_Unbiased	1.379	1.379	0.000
30	C47_Unbiased	1.414	1.414	0.000
30	C50_Unbiased	1.449	1.449	0.000
50	A128_Biased	1.414	1.414	0.000
50	A129_Biased	1.414	1.414	0.000
50	B48_Biased	1.414	1.414	0.000
50	B49_Biased	1.414	1.414	0.000
50	C51_Biased	1.414	1.414	0.000
50	A130_Unbiased	1.414	1.414	0.000
50	A131_Unbiased	1.414	1.414	0.000
50	B50_Unbiased	1.414	1.414	0.000
50	B51_Unbiased	1.414	1.414	0.000
50	C53_Unbiased	1.414	1.414	0.000
0	106_Corr	1.414	1.414	0.000
100	A132_Biased	1.414	1.414	0.000
100	A134_Biased	1.414	1.379	0.035
100	A135_Biased	1.414	1.414	0.000
100	B52_Biased	1.414	1.414	0.000
100	B54_Biased	1.414	1.414	0.000
100	B55_Biased	1.379	1.379	0.000
100	B56_Biased	1.414	1.414	0.000
100	B57_Biased	1.414	1.414	0.000
100	B59_Biased	1.414	1.414	0.000
100	B62_Biased	1.414	1.414	0.000
100	B63_Biased	1.414	1.414	0.000
100	B64_Biased	1.414	1.414	0.000
100	B66_Biased	1.414	1.414	0.000
100	B68_Biased	1.414	1.414	0.000
100	C54_Biased	1.414	1.414	0.000
100	C55_Biased	1.414	1.414	0.000
100	C56_Biased	1.414	1.414	0.000
100	C57_Biased	1.414	1.414	0.000
100	C58_Biased	1.414	1.414	0.000
100	C59_Biased	1.449	1.449	0.000
100	C65_Biased	1.414	1.414	0.000
100	C67_Biased	1.449	1.449	0.000
100	A122_Unbiased	1.414	1.414	0.000
100	A138_Unbiased	1.379	1.379	0.000
100	A139_Unbiased	1.414	1.379	0.035
100	B60_Unbiased	1.379	1.414	-0.035
100	B61_Unbiased	1.414	1.414	0.000
100	B69_Unbiased	1.379	1.379	0.000
100	B70_Unbiased	1.414	1.379	0.035
100	B71_Unbiased	1.414	1.414	0.000
100	B72_Unbiased	1.414	1.414	0.000
100	B73_Unbiased	1.414	1.414	0.000
100	B74_Unbiased	1.414	1.414	0.000
100	B77_Unbiased	1.414	1.414	0.000
100	B78_Unbiased	1.414	1.414	0.000
100	B79_Unbiased	1.414	1.414	0.000
100	B80_Unbiased	1.414	1.414	0.000
100	C70_Unbiased	1.414	1.414	0.000
100	C71_Unbiased	1.414	1.414	0.000
100	C72_Unbiased	1.449	1.414	0.035
100	C73_Unbiased	1.414	1.414	0.000
100	C75_Unbiased	1.414	1.414	0.000
100	C76_Unbiased	1.449	1.449	0.000
100	C78_Unbiased	1.414	1.414	0.000
	Max	1.449	1.449	0.035
	Average	1.414	1.412	0.002
	Min	1.379	1.379	-0.035
	Std Dev	0.015	0.015	0.009



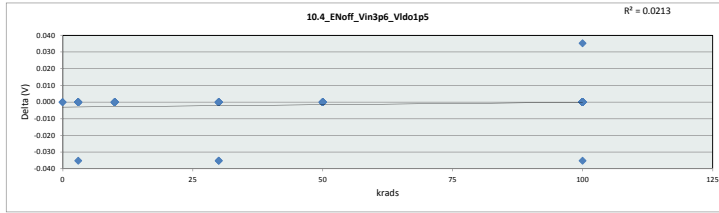
10.3_ENon_Vin3p6_VIdo1p8			
Test Site	Dallas, Tx		
Testor	ETS		
Test Number	EF636800		
Max Limit	1.7	V	
Min Limit	0.3	V	

krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	1.414	1.379	1.379	1.379	1.414	1.379
Average	1.414	1.411	1.414	1.411	1.414	1.412
Max	1.414	1.414	1.450	1.450	1.414	1.450
UL	1.700	1.700	1.700	1.700	1.700	1.700

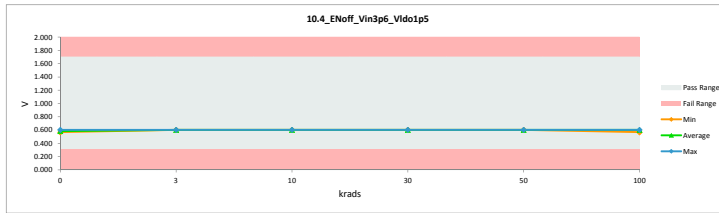


TID 100krad HDR Report
TPS7H3301-SP

10.4_Enoff_Vin3p6_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.601	0.601	0.000
3	A116_Biased	0.601	0.601	0.000
3	A117_Biased	0.601	0.601	0.000
3	B36_Biased	0.601	0.601	0.000
3	B37_Biased	0.601	0.601	0.000
3	C39_Biased	0.601	0.601	0.000
3	A118_Unbiased	0.566	0.601	-0.035
3	A140_Unbiased	0.601	0.601	0.000
3	B38_Unbiased	0.601	0.601	0.000
3	B39_Unbiased	0.601	0.601	0.000
3	C40_Unbiased	0.601	0.601	0.000
10	A119_Biased	0.601	0.601	0.000
10	A120_Biased	0.601	0.601	0.000
10	B40_Biased	0.601	0.601	0.000
10	C41_Biased	0.601	0.601	0.000
10	C42_Biased	0.601	0.601	0.000
10	A121_Unbiased	0.601	0.601	0.000
10	A124_Unbiased	0.601	0.601	0.000
10	B41_Unbiased	0.601	0.601	0.000
10	C43_Unbiased	0.601	0.601	0.000
10	C44_Unbiased	0.601	0.601	0.000
30	A125_Biased	0.601	0.601	0.000
30	B42_Biased	0.601	0.601	0.000
30	B43_Biased	0.601	0.601	0.000
30	C45_Biased	0.601	0.601	0.000
30	C46_Biased	0.566	0.601	-0.035
30	A127_Unbiased	0.601	0.601	0.000
30	B45_Unbiased	0.601	0.601	0.000
30	B47_Unbiased	0.566	0.601	-0.035
30	C47_Unbiased	0.601	0.601	0.000
30	C50_Unbiased	0.601	0.601	0.000
50	A128_Biased	0.601	0.601	0.000
50	A129_Biased	0.601	0.601	0.000
50	B48_Biased	0.601	0.601	0.000
50	B49_Biased	0.601	0.601	0.000
50	C51_Biased	0.601	0.601	0.000
50	A130_Unbiased	0.601	0.601	0.000
50	A131_Unbiased	0.601	0.601	0.000
50	B50_Unbiased	0.601	0.601	0.000
50	B51_Unbiased	0.601	0.601	0.000
50	C53_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.566	0.000
100	A132_Biased	0.601	0.601	0.000
100	A134_Biased	0.601	0.566	0.035
100	A135_Biased	0.601	0.601	0.000
100	B52_Biased	0.601	0.601	0.000
100	B54_Biased	0.601	0.601	0.000
100	B55_Biased	0.601	0.601	0.000
100	B56_Biased	0.601	0.601	0.000
100	B57_Biased	0.601	0.601	0.000
100	B59_Biased	0.601	0.601	0.000
100	B62_Biased	0.601	0.601	0.000
100	B63_Biased	0.601	0.601	0.000
100	B64_Biased	0.601	0.601	0.000
100	B66_Biased	0.601	0.601	0.000
100	B68_Biased	0.601	0.601	0.000
100	C54_Biased	0.601	0.601	0.000
100	C55_Biased	0.601	0.601	0.000
100	C56_Biased	0.601	0.601	0.000
100	C57_Biased	0.601	0.601	0.000
100	C58_Biased	0.601	0.601	0.000
100	C59_Biased	0.601	0.601	0.000
100	C65_Biased	0.566	0.601	-0.035
100	C67_Biased	0.601	0.601	0.000
100	A122_Unbiased	0.601	0.601	0.000
100	A138_Unbiased	0.601	0.601	0.000
100	A139_Unbiased	0.601	0.601	0.000
100	B60_Unbiased	0.601	0.601	0.000
100	B61_Unbiased	0.601	0.601	0.000
100	B69_Unbiased	0.601	0.601	0.000
100	B70_Unbiased	0.601	0.601	0.000
100	B71_Unbiased	0.601	0.601	0.000
100	B72_Unbiased	0.601	0.601	0.000
100	B73_Unbiased	0.601	0.601	0.000
100	B74_Unbiased	0.601	0.601	0.000
100	B77_Unbiased	0.601	0.601	0.000
100	B78_Unbiased	0.601	0.601	0.000
100	B79_Unbiased	0.601	0.601	0.000
100	B80_Unbiased	0.601	0.601	0.000
100	C70_Unbiased	0.601	0.601	0.000
100	C71_Unbiased	0.601	0.601	0.000
100	C72_Unbiased	0.601	0.601	0.000
100	C73_Unbiased	0.601	0.601	0.000
100	C75_Unbiased	0.601	0.601	0.000
100	C76_Unbiased	0.601	0.601	0.000
100	C79_Unbiased	0.601	0.601	0.000
	Max	0.601	0.601	0.035
	Average	0.599	0.600	-0.001
	Min	0.566	0.566	-0.035
	Std Dev	0.008	0.005	0.008



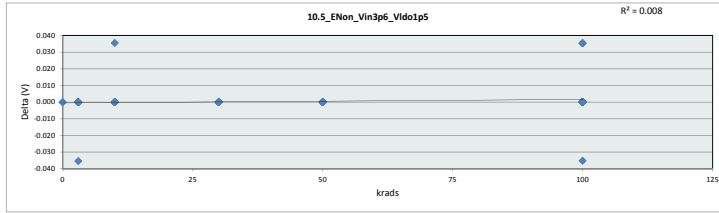
10.4_Enoff_Vin3p6_Vldo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.566	0.601	0.601	0.601	0.601	0.566
Average	0.583	0.601	0.601	0.601	0.601	0.600
Max	0.601	0.601	0.601	0.601	0.601	0.601
UL	1.700	1.700	1.700	1.700	1.700	1.700



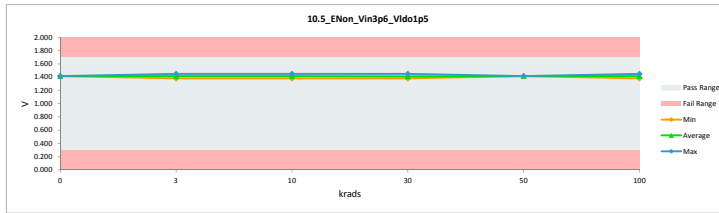
TID 100krad HDR Report
TPS7H3301-SP

		10.5_ENon_Vin3p6_VIdo1p5	
Test Site		Dallas, Tx	Dallas, Tx
Testor		ETS	ETS
Test Number		EF636800	EF636800
Unit		V	V
Max Limit		1.7	1.7
Min Limit		0.3	0.3

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.414	1.414	0.000
3	A116_Biased	1.414	1.414	0.000
3	A117_Biased	1.414	1.414	0.000
3	B36_Biased	1.414	1.414	0.000
3	B37_Biased	1.414	1.414	0.000
3	C39_Biased	1.414	1.449	-0.035
3	A118_Unbiased	1.379	1.379	0.000
3	A140_Unbiased	1.414	1.414	0.000
3	B38_Unbiased	1.414	1.414	0.000
3	B39_Unbiased	1.414	1.414	0.000
3	C40_Unbiased	1.414	1.414	0.000
10	A119_Biased	1.379	1.379	0.000
10	A120_Biased	1.414	1.414	0.000
10	B40_Biased	1.414	1.414	0.000
10	C41_Biased	1.449	1.449	0.000
10	C42_Biased	1.414	1.414	0.000
10	A121_Unbiased	1.414	1.414	0.000
10	A124_Unbiased	1.414	1.414	0.000
10	B41_Unbiased	1.414	1.414	0.000
10	C43_Unbiased	1.414	1.414	0.000
10	C44_Unbiased	1.449	1.414	0.035
30	A125_Biased	1.414	1.414	0.000
30	B42_Biased	1.414	1.414	0.000
30	B43_Biased	1.414	1.414	0.000
30	C45_Biased	1.414	1.414	0.000
30	C46_Biased	1.414	1.414	0.000
30	A127_Unbiased	1.379	1.379	0.000
30	B45_Unbiased	1.414	1.414	0.000
30	B47_Unbiased	1.379	1.379	0.000
30	C47_Unbiased	1.414	1.414	0.000
30	C50_Unbiased	1.449	1.449	0.000
50	A128_Biased	1.414	1.414	0.000
50	A129_Biased	1.414	1.414	0.000
50	B48_Biased	1.414	1.414	0.000
50	B49_Biased	1.414	1.414	0.000
50	C51_Biased	1.414	1.414	0.000
50	A130_Unbiased	1.414	1.414	0.000
50	A131_Unbiased	1.414	1.414	0.000
50	B50_Unbiased	1.414	1.414	0.000
50	B51_Unbiased	1.414	1.414	0.000
50	C53_Unbiased	1.414	1.414	0.000
0	106_Corr	1.414	1.414	0.000
100	A132_Biased	1.414	1.414	0.000
100	A134_Biased	1.414	1.379	0.035
100	A135_Biased	1.414	1.414	0.000
100	B52_Biased	1.414	1.414	0.000
100	B54_Biased	1.414	1.414	0.000
100	B55_Biased	1.379	1.379	0.000
100	B56_Biased	1.414	1.414	0.000
100	B57_Biased	1.414	1.414	0.000
100	B59_Biased	1.414	1.414	0.000
100	B62_Biased	1.414	1.414	0.000
100	B63_Biased	1.414	1.414	0.000
100	B64_Biased	1.414	1.414	0.000
100	B66_Biased	1.414	1.414	0.000
100	B68_Biased	1.414	1.414	0.000
100	C54_Biased	1.414	1.414	0.000
100	C55_Biased	1.414	1.414	0.000
100	C56_Biased	1.414	1.414	0.000
100	C57_Biased	1.414	1.414	0.000
100	C58_Biased	1.414	1.414	0.000
100	C59_Biased	1.449	1.449	0.000
100	C65_Biased	1.414	1.414	0.000
100	C67_Biased	1.449	1.449	0.000
100	A122_Unbiased	1.414	1.414	0.000
100	A138_Unbiased	1.379	1.379	0.000
100	A139_Unbiased	1.414	1.379	0.035
100	B60_Unbiased	1.379	1.414	-0.035
100	B61_Unbiased	1.414	1.414	0.000
100	B69_Unbiased	1.379	1.379	0.000
100	B70_Unbiased	1.414	1.414	0.000
100	B71_Unbiased	1.414	1.414	0.000
100	B72_Unbiased	1.414	1.414	0.000
100	B73_Unbiased	1.414	1.414	0.000
100	B74_Unbiased	1.414	1.414	0.000
100	B77_Unbiased	1.414	1.414	0.000
100	B78_Unbiased	1.414	1.414	0.000
100	B79_Unbiased	1.414	1.414	0.000
100	B80_Unbiased	1.414	1.414	0.000
100	C70_Unbiased	1.414	1.414	0.000
100	C71_Unbiased	1.414	1.414	0.000
100	C72_Unbiased	1.449	1.414	0.035
100	C73_Unbiased	1.414	1.414	0.000
100	C75_Unbiased	1.414	1.414	0.000
100	C76_Unbiased	1.449	1.449	0.000
100	C78_Unbiased	1.414	1.414	0.000
	Max	1.449	1.449	0.035
	Average	1.414	1.413	0.001
	Min	1.379	1.379	-0.035
	Std Dev	0.015	0.015	0.009

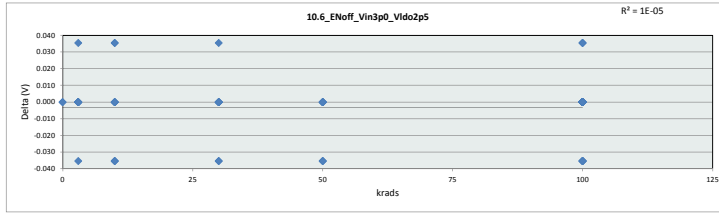


		10.5_ENon_Vin3p6_VIdo1p5					
Test Site		Dallas, Tx					
Testor		ETS					
Test Number		EF636800					
Max Limit		1.7 V					
Min Limit		0.3 V					
krads	LL	Min	Average	Max	UL	Pass	Fail
0	0.300	1.414	1.414	1.414	1.700		
3	0.300	1.379	1.414	1.450	1.700		
10	0.300	1.379	1.414	1.450	1.700		
30	0.300	1.379	1.411	1.450	1.700		
50	0.300	1.414	1.414	1.414	1.700		
100	0.300	1.379	1.413	1.450	1.700		

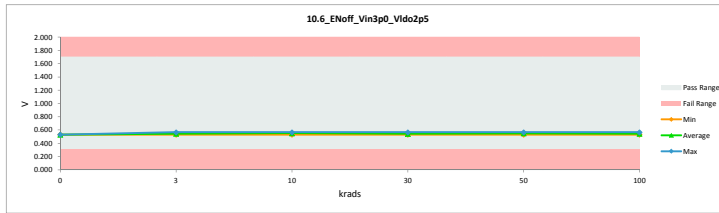


TID 100krad HDR Report
TPS7H3301-SP

10.6_EnOff_Vin3p0_VIdo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.530	0.530	0.000
3	A116_Biased	0.566	0.566	0.000
3	A117_Biased	0.530	0.530	0.000
3	B36_Biased	0.530	0.530	0.000
3	B37_Biased	0.566	0.566	0.000
3	C39_Biased	0.530	0.566	-0.035
3	A118_Unbiased	0.530	0.530	0.000
3	A140_Unbiased	0.530	0.530	0.000
3	B38_Unbiased	0.566	0.566	0.000
3	B39_Unbiased	0.566	0.530	0.035
3	C40_Unbiased	0.530	0.530	0.000
10	A119_Biased	0.530	0.530	0.000
10	A120_Biased	0.566	0.566	0.000
10	B40_Biased	0.566	0.566	0.000
10	C41_Biased	0.566	0.566	0.000
10	C42_Biased	0.530	0.566	-0.035
10	A121_Unbiased	0.566	0.530	0.035
10	A124_Unbiased	0.566	0.530	0.035
10	B41_Unbiased	0.530	0.530	0.000
10	C43_Unbiased	0.530	0.566	-0.035
10	C44_Unbiased	0.530	0.566	-0.035
30	A125_Biased	0.566	0.566	0.000
30	B42_Biased	0.530	0.530	0.000
30	B43_Biased	0.566	0.530	0.035
30	C45_Biased	0.530	0.530	0.000
30	C46_Biased	0.530	0.530	0.000
30	A127_Unbiased	0.530	0.530	0.000
30	B45_Unbiased	0.530	0.530	0.000
30	B47_Unbiased	0.530	0.530	0.000
30	C47_Unbiased	0.530	0.566	-0.035
30	C50_Unbiased	0.530	0.566	-0.035
50	A128_Biased	0.530	0.530	0.000
50	A129_Biased	0.530	0.566	-0.035
50	B48_Biased	0.566	0.566	0.000
50	B49_Biased	0.530	0.530	0.000
50	C51_Biased	0.530	0.530	0.000
50	A130_Unbiased	0.530	0.530	0.000
50	A131_Unbiased	0.530	0.566	-0.035
50	B50_Unbiased	0.530	0.530	0.000
50	B51_Unbiased	0.530	0.566	-0.035
50	C53_Unbiased	0.566	0.566	0.000
0	106_Corr	0.530	0.530	0.000
100	A132_Biased	0.566	0.566	0.000
100	A134_Biased	0.566	0.530	0.035
100	A135_Biased	0.566	0.566	0.000
100	B52_Biased	0.530	0.530	0.000
100	B54_Biased	0.530	0.530	0.000
100	B55_Biased	0.530	0.530	0.000
100	B56_Biased	0.566	0.530	0.035
100	B57_Biased	0.566	0.566	0.000
100	B59_Biased	0.566	0.566	0.000
100	B62_Biased	0.566	0.566	0.000
100	B63_Biased	0.566	0.566	0.000
100	B64_Biased	0.530	0.530	0.000
100	B66_Biased	0.530	0.530	0.000
100	B68_Biased	0.530	0.530	0.000
100	C54_Biased	0.530	0.530	0.000
100	C55_Biased	0.530	0.530	0.000
100	C56_Biased	0.530	0.530	0.000
100	C57_Biased	0.530	0.530	0.000
100	C58_Biased	0.530	0.566	-0.035
100	C59_Biased	0.566	0.566	0.000
100	C65_Biased	0.530	0.530	0.000
100	C67_Biased	0.566	0.566	0.000
100	A122_Unbiased	0.566	0.566	0.000
100	A138_Unbiased	0.530	0.530	0.000
100	A139_Unbiased	0.530	0.530	0.000
100	B60_Unbiased	0.530	0.530	0.000
100	B61_Unbiased	0.530	0.566	-0.035
100	B69_Unbiased	0.530	0.530	0.000
100	B70_Unbiased	0.530	0.566	-0.035
100	B71_Unbiased	0.530	0.530	0.000
100	B72_Unbiased	0.566	0.566	0.000
100	B73_Unbiased	0.530	0.530	0.000
100	B74_Unbiased	0.530	0.530	0.000
100	B77_Unbiased	0.530	0.530	0.000
100	B78_Unbiased	0.566	0.530	0.035
100	B79_Unbiased	0.566	0.530	0.035
100	B80_Unbiased	0.530	0.530	0.000
100	C70_Unbiased	0.566	0.566	0.000
100	C71_Unbiased	0.530	0.530	0.000
100	C72_Unbiased	0.530	0.566	-0.035
100	C73_Unbiased	0.530	0.566	-0.035
100	C75_Unbiased	0.530	0.530	0.000
100	C76_Unbiased	0.530	0.530	0.000
100	C79_Unbiased	0.530	0.566	-0.035
	Max	0.566	0.566	0.035
	Average	0.541	0.545	-0.003
	Min	0.530	0.530	-0.035
	Std Dev	0.017	0.017	0.018

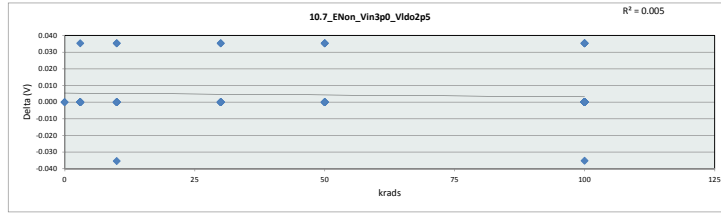


10.6_EnOff_Vin3p0_VIdo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.530	0.530	0.530	0.530	0.530	0.530
Average	0.530	0.544	0.552	0.541	0.548	0.544
Max	0.530	0.566	0.566	0.566	0.566	0.566
UL	1.700	1.700	1.700	1.700	1.700	1.700

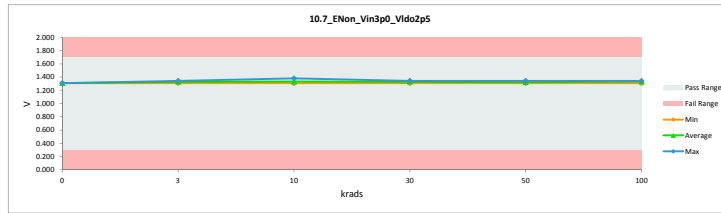


TID 100krad HDR Report
TPS7H3301-SP

10.7_ENon_Vin3p0_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.308	1.308	0.000
3	A116_Biased	1.343	1.343	0.000
3	A117_Biased	1.343	1.343	0.000
3	B36_Biased	1.308	1.308	0.000
3	B37_Biased	1.343	1.308	0.035
3	C39_Biased	1.343	1.343	0.000
3	A118_Unbiased	1.308	1.308	0.000
3	A140_Unbiased	1.308	1.308	0.000
3	B38_Unbiased	1.343	1.343	0.000
3	B39_Unbiased	1.343	1.343	0.000
3	C40_Unbiased	1.343	1.343	0.000
10	A119_Biased	1.308	1.308	0.000
10	A120_Biased	1.308	1.308	0.000
10	B40_Biased	1.343	1.343	0.000
10	C41_Biased	1.343	1.379	-0.035
10	C42_Biased	1.343	1.343	0.000
10	A121_Unbiased	1.343	1.343	0.000
10	A124_Unbiased	1.343	1.308	0.035
10	B41_Unbiased	1.343	1.308	0.035
10	C43_Unbiased	1.343	1.343	0.000
10	C44_Unbiased	1.343	1.343	0.000
30	A125_Biased	1.308	1.308	0.000
30	B42_Biased	1.343	1.343	0.000
30	B43_Biased	1.343	1.308	0.035
30	C45_Biased	1.343	1.343	0.000
30	C46_Biased	1.343	1.343	0.000
30	A127_Unbiased	1.308	1.308	0.000
30	B45_Unbiased	1.343	1.343	0.000
30	B47_Unbiased	1.308	1.308	0.000
30	C47_Unbiased	1.343	1.343	0.000
30	C50_Unbiased	1.343	1.343	0.000
50	A128_Biased	1.343	1.308	0.035
50	A129_Biased	1.308	1.308	0.000
50	B48_Biased	1.343	1.343	0.000
50	B49_Biased	1.343	1.308	0.035
50	C51_Biased	1.343	1.308	0.035
50	A130_Unbiased	1.308	1.308	0.000
50	A131_Unbiased	1.308	1.308	0.000
50	B50_Unbiased	1.343	1.343	0.000
50	B51_Unbiased	1.343	1.343	0.000
50	C53_Unbiased	1.343	1.343	0.000
0	106_Corr	1.308	1.308	0.000
100	A132_Biased	1.343	1.343	0.000
100	A134_Biased	1.343	1.308	0.035
100	A135_Biased	1.343	1.343	0.000
100	B52_Biased	1.343	1.343	0.000
100	B54_Biased	1.343	1.343	0.000
100	B55_Biased	1.308	1.308	0.000
100	B56_Biased	1.343	1.308	0.035
100	B57_Biased	1.343	1.308	0.035
100	B59_Biased	1.343	1.343	0.000
100	B62_Biased	1.343	1.343	0.000
100	B63_Biased	1.343	1.343	0.000
100	B64_Biased	1.343	1.308	0.035
100	B66_Biased	1.343	1.343	0.000
100	B68_Biased	1.343	1.343	0.000
100	C54_Biased	1.343	1.343	0.000
100	C55_Biased	1.343	1.343	0.000
100	C56_Biased	1.343	1.343	0.000
100	C57_Biased	1.343	1.343	0.000
100	C58_Biased	1.343	1.343	0.000
100	C59_Biased	1.343	1.343	0.000
100	C65_Biased	1.343	1.343	0.000
100	C67_Biased	1.343	1.343	0.000
100	A122_Unbiased	1.343	1.343	0.000
100	A138_Unbiased	1.308	1.308	0.000
100	A139_Unbiased	1.308	1.308	0.000
100	B60_Unbiased	1.308	1.343	-0.035
100	B61_Unbiased	1.308	1.308	0.000
100	B69_Unbiased	1.308	1.308	0.000
100	B70_Unbiased	1.308	1.308	0.000
100	B71_Unbiased	1.343	1.343	0.000
100	B72_Unbiased	1.343	1.343	0.000
100	B73_Unbiased	1.308	1.308	0.000
100	B74_Unbiased	1.308	1.308	0.000
100	B77_Unbiased	1.343	1.343	0.000
100	B78_Unbiased	1.343	1.343	0.000
100	B79_Unbiased	1.308	1.308	0.000
100	B80_Unbiased	1.343	1.343	0.000
100	C70_Unbiased	1.343	1.343	0.000
100	C71_Unbiased	1.343	1.343	0.000
100	C72_Unbiased	1.343	1.343	0.000
100	C73_Unbiased	1.343	1.343	0.000
100	C75_Unbiased	1.343	1.343	0.000
100	C76_Unbiased	1.343	1.343	0.000
100	C79_Unbiased	1.343	1.343	0.000
	Max	1.343	1.379	0.035
	Average	1.334	1.330	0.004
	Min	1.308	1.308	-0.035
	Std Dev	0.015	0.018	0.014

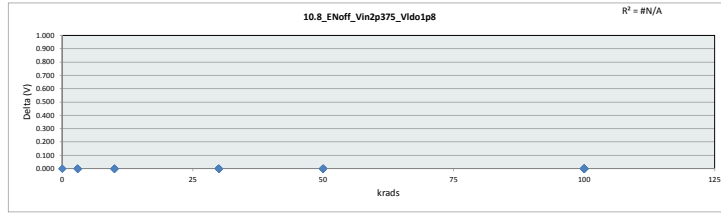


10.7_ENon_Vin3p0_Vldo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	1.308	1.308	1.308	1.308	1.308	1.308
Average	1.308	1.329	1.333	1.329	1.322	1.333
Max	1.308	1.343	1.379	1.343	1.343	1.343
UL	1.700	1.700	1.700	1.700	1.700	1.700

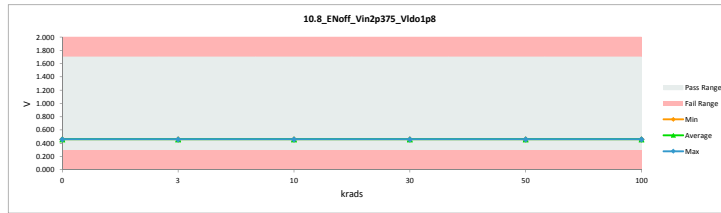


TID 100krad HDR Report
TPS7H3301-SP

10.8_ENoff_Vin2p375_Vido1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.460	0.460	0.000
3	A116_Biased	0.460	0.460	0.000
3	A117_Biased	0.460	0.460	0.000
3	B36_Biased	0.460	0.460	0.000
3	B37_Biased	0.460	0.460	0.000
3	C39_Biased	0.460	0.460	0.000
3	A118_Unbiased	0.460	0.460	0.000
3	A140_Unbiased	0.460	0.460	0.000
3	B38_Unbiased	0.460	0.460	0.000
3	B39_Unbiased	0.460	0.460	0.000
3	C40_Unbiased	0.460	0.460	0.000
10	A119_Biased	0.460	0.460	0.000
10	A120_Biased	0.460	0.460	0.000
10	B40_Biased	0.460	0.460	0.000
10	C41_Biased	0.460	0.460	0.000
10	C42_Biased	0.460	0.460	0.000
10	A121_Unbiased	0.460	0.460	0.000
10	A124_Unbiased	0.460	0.460	0.000
10	B41_Unbiased	0.460	0.460	0.000
10	C43_Unbiased	0.460	0.460	0.000
10	C44_Unbiased	0.460	0.460	0.000
30	A125_Biased	0.460	0.460	0.000
30	B42_Biased	0.460	0.460	0.000
30	B43_Biased	0.460	0.460	0.000
30	C45_Biased	0.460	0.460	0.000
30	C46_Biased	0.460	0.460	0.000
30	A127_Unbiased	0.460	0.460	0.000
30	B45_Unbiased	0.460	0.460	0.000
30	B47_Unbiased	0.460	0.460	0.000
30	C47_Unbiased	0.460	0.460	0.000
30	C50_Unbiased	0.460	0.460	0.000
50	A128_Biased	0.460	0.460	0.000
50	A129_Biased	0.460	0.460	0.000
50	B48_Biased	0.460	0.460	0.000
50	B49_Biased	0.460	0.460	0.000
50	C51_Biased	0.460	0.460	0.000
50	A130_Unbiased	0.460	0.460	0.000
50	A131_Unbiased	0.460	0.460	0.000
50	B50_Unbiased	0.460	0.460	0.000
50	B51_Unbiased	0.460	0.460	0.000
50	C53_Unbiased	0.460	0.460	0.000
0	106_Corr	0.460	0.460	0.000
100	A132_Biased	0.460	0.460	0.000
100	A134_Biased	0.460	0.460	0.000
100	A135_Biased	0.460	0.460	0.000
100	B52_Biased	0.460	0.460	0.000
100	B54_Biased	0.460	0.460	0.000
100	B55_Biased	0.460	0.460	0.000
100	B56_Biased	0.460	0.460	0.000
100	B57_Biased	0.460	0.460	0.000
100	B59_Biased	0.460	0.460	0.000
100	B62_Biased	0.460	0.460	0.000
100	B63_Biased	0.460	0.460	0.000
100	B64_Biased	0.460	0.460	0.000
100	B66_Biased	0.460	0.460	0.000
100	B68_Biased	0.460	0.460	0.000
100	C54_Biased	0.460	0.460	0.000
100	C55_Biased	0.460	0.460	0.000
100	C56_Biased	0.460	0.460	0.000
100	C57_Biased	0.460	0.460	0.000
100	C58_Biased	0.460	0.460	0.000
100	C59_Biased	0.460	0.460	0.000
100	C65_Biased	0.460	0.460	0.000
100	C67_Biased	0.460	0.460	0.000
100	A122_Unbiased	0.460	0.460	0.000
100	A138_Unbiased	0.460	0.460	0.000
100	A139_Unbiased	0.460	0.460	0.000
100	B60_Unbiased	0.460	0.460	0.000
100	B61_Unbiased	0.460	0.460	0.000
100	B69_Unbiased	0.460	0.460	0.000
100	B70_Unbiased	0.460	0.460	0.000
100	B71_Unbiased	0.460	0.460	0.000
100	B72_Unbiased	0.460	0.460	0.000
100	B73_Unbiased	0.460	0.460	0.000
100	B74_Unbiased	0.460	0.460	0.000
100	B77_Unbiased	0.460	0.460	0.000
100	B78_Unbiased	0.460	0.460	0.000
100	B79_Unbiased	0.460	0.460	0.000
100	B80_Unbiased	0.460	0.460	0.000
100	C70_Unbiased	0.460	0.460	0.000
100	C71_Unbiased	0.460	0.460	0.000
100	C72_Unbiased	0.460	0.460	0.000
100	C73_Unbiased	0.460	0.460	0.000
100	C75_Unbiased	0.460	0.460	0.000
100	C76_Unbiased	0.460	0.460	0.000
100	C79_Unbiased	0.460	0.460	0.000
	Max	0.460	0.460	0.000
	Average	0.460	0.460	0.000
	Min	0.460	0.460	0.000
	Std Dev	0.000	0.000	0.000

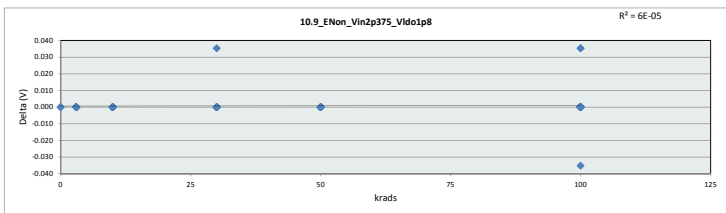


10.8_ENoff_Vin2p375_Vido1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.460	0.460	0.460	0.460	0.460	0.460
Average	0.460	0.460	0.460	0.460	0.460	0.460
Max	0.460	0.460	0.460	0.460	0.460	0.460
UL	1.700	1.700	1.700	1.700	1.700	1.700

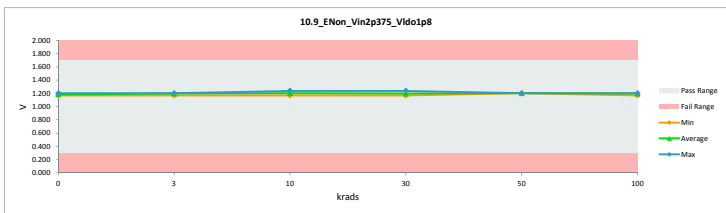


TID 100krad HDR Report
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10.9_ENon_Vin2p375_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.202	1.202	0.000
3	A116_Biased	1.202	1.202	0.000
3	A117_Biased	1.202	1.202	0.000
3	B36_Biased	1.202	1.202	0.000
3	B37_Biased	1.202	1.202	0.000
3	C39_Biased	1.202	1.202	0.000
3	A118_Unbiased	1.167	1.167	0.000
3	A140_Unbiased	1.202	1.202	0.000
3	B38_Unbiased	1.202	1.202	0.000
3	B39_Unbiased	1.202	1.202	0.000
3	C40_Unbiased	1.202	1.202	0.000
10	A119_Biased	1.167	1.167	0.000
10	A120_Biased	1.202	1.202	0.000
10	B40_Biased	1.202	1.202	0.000
10	C41_Biased	1.237	1.237	0.000
10	C42_Biased	1.202	1.202	0.000
10	A121_Unbiased	1.202	1.202	0.000
10	A124_Unbiased	1.202	1.202	0.000
10	B41_Unbiased	1.202	1.202	0.000
10	C43_Unbiased	1.202	1.202	0.000
10	C44_Unbiased	1.202	1.202	0.000
30	A125_Biased	1.202	1.202	0.000
30	B42_Biased	1.202	1.202	0.000
30	B43_Biased	1.202	1.202	0.000
30	C45_Biased	1.202	1.202	0.000
30	C46_Biased	1.202	1.202	0.000
30	A127_Unbiased	1.202	1.167	0.035
30	B45_Unbiased	1.202	1.202	0.000
30	B47_Unbiased	1.167	1.167	0.000
30	C47_Unbiased	1.202	1.202	0.000
30	C50_Unbiased	1.237	1.237	0.000
50	A128_Biased	1.202	1.202	0.000
50	A129_Biased	1.202	1.202	0.000
50	B48_Biased	1.202	1.202	0.000
50	B49_Biased	1.202	1.202	0.000
50	C51_Biased	1.202	1.202	0.000
50	A130_Unbiased	1.202	1.202	0.000
50	A131_Unbiased	1.202	1.202	0.000
50	B50_Unbiased	1.202	1.202	0.000
50	B51_Unbiased	1.202	1.202	0.000
50	C53_Unbiased	1.202	1.202	0.000
0	106_Corr	1.167	1.167	0.000
100	A132_Biased	1.202	1.202	0.000
100	A134_Biased	1.202	1.167	0.035
100	A135_Biased	1.202	1.202	0.000
100	B52_Biased	1.202	1.202	0.000
100	B54_Biased	1.202	1.202	0.000
100	B55_Biased	1.167	1.167	0.000
100	B56_Biased	1.202	1.202	0.000
100	B57_Biased	1.202	1.202	0.000
100	B59_Biased	1.202	1.202	0.000
100	B62_Biased	1.202	1.202	0.000
100	B63_Biased	1.202	1.202	0.000
100	B64_Biased	1.202	1.202	0.000
100	B66_Biased	1.202	1.202	0.000
100	B68_Biased	1.202	1.202	0.000
100	C54_Biased	1.202	1.202	0.000
100	C55_Biased	1.202	1.202	0.000
100	C56_Biased	1.202	1.202	0.000
100	C57_Biased	1.202	1.202	0.000
100	C58_Biased	1.202	1.202	0.000
100	C59_Biased	1.202	1.202	0.000
100	C65_Biased	1.202	1.202	0.000
100	C67_Biased	1.202	1.202	0.000
100	A122_Unbiased	1.202	1.202	0.000
100	A138_Unbiased	1.167	1.167	0.000
100	A139_Unbiased	1.202	1.167	0.035
100	B60_Unbiased	1.167	1.202	-0.035
100	B61_Unbiased	1.202	1.202	0.000
100	B69_Unbiased	1.167	1.167	0.000
100	B70_Unbiased	1.202	1.202	0.000
100	B71_Unbiased	1.202	1.202	0.000
100	B72_Unbiased	1.202	1.202	0.000
100	B73_Unbiased	1.202	1.202	0.000
100	B74_Unbiased	1.202	1.202	0.000
100	B77_Unbiased	1.202	1.202	0.000
100	B78_Unbiased	1.202	1.202	0.000
100	B79_Unbiased	1.202	1.202	0.000
100	B80_Unbiased	1.202	1.202	0.000
100	C70_Unbiased	1.202	1.202	0.000
100	C71_Unbiased	1.202	1.202	0.000
100	C72_Unbiased	1.202	1.202	0.000
100	C73_Unbiased	1.202	1.202	0.000
100	C75_Unbiased	1.202	1.202	0.000
100	C76_Unbiased	1.202	1.202	0.000
100	C79_Unbiased	1.202	1.202	0.000
	Max	1.237	1.237	0.035
	Average	1.200	1.199	0.001
	Min	1.167	1.167	-0.035
	Std Dev	0.012	0.013	0.008

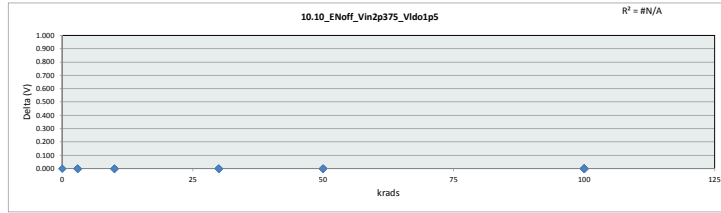


10.9_ENon_Vin2p375_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	1.167	1.167	1.167	1.167	1.202	1.167
Average	1.184	1.198	1.202	1.198	1.202	1.198
Max	1.202	1.202	1.237	1.237	1.202	1.202
UL	1.700	1.700	1.700	1.700	1.700	1.700

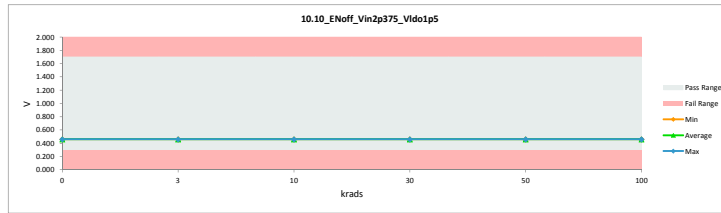


TID 100krad HDR Report
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10_10_ENoff_Vin2p375_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.460	0.460	0.000
3	A116_Biased	0.460	0.460	0.000
3	A117_Biased	0.460	0.460	0.000
3	B36_Biased	0.460	0.460	0.000
3	B37_Biased	0.460	0.460	0.000
3	C39_Biased	0.460	0.460	0.000
3	A118_Unbiased	0.460	0.460	0.000
3	A140_Unbiased	0.460	0.460	0.000
3	B38_Unbiased	0.460	0.460	0.000
3	B39_Unbiased	0.460	0.460	0.000
3	C40_Unbiased	0.460	0.460	0.000
10	A119_Biased	0.460	0.460	0.000
10	A120_Biased	0.460	0.460	0.000
10	B40_Biased	0.460	0.460	0.000
10	C41_Biased	0.460	0.460	0.000
10	C42_Biased	0.460	0.460	0.000
10	A121_Unbiased	0.460	0.460	0.000
10	A124_Unbiased	0.460	0.460	0.000
10	B41_Unbiased	0.460	0.460	0.000
10	C43_Unbiased	0.460	0.460	0.000
10	C44_Unbiased	0.460	0.460	0.000
30	A125_Biased	0.460	0.460	0.000
30	B42_Biased	0.460	0.460	0.000
30	B43_Biased	0.460	0.460	0.000
30	C45_Biased	0.460	0.460	0.000
30	C46_Biased	0.460	0.460	0.000
30	A127_Unbiased	0.460	0.460	0.000
30	B45_Unbiased	0.460	0.460	0.000
30	B47_Unbiased	0.460	0.460	0.000
30	C47_Unbiased	0.460	0.460	0.000
30	C50_Unbiased	0.460	0.460	0.000
50	A128_Biased	0.460	0.460	0.000
50	A129_Biased	0.460	0.460	0.000
50	B48_Biased	0.460	0.460	0.000
50	B49_Biased	0.460	0.460	0.000
50	C51_Biased	0.460	0.460	0.000
50	A130_Unbiased	0.460	0.460	0.000
50	A131_Unbiased	0.460	0.460	0.000
50	B50_Unbiased	0.460	0.460	0.000
50	B51_Unbiased	0.460	0.460	0.000
50	C53_Unbiased	0.460	0.460	0.000
0	106_Corr	0.460	0.460	0.000
100	A132_Biased	0.460	0.460	0.000
100	A134_Biased	0.460	0.460	0.000
100	A135_Biased	0.460	0.460	0.000
100	B52_Biased	0.460	0.460	0.000
100	B54_Biased	0.460	0.460	0.000
100	B55_Biased	0.460	0.460	0.000
100	B56_Biased	0.460	0.460	0.000
100	B57_Biased	0.460	0.460	0.000
100	B59_Biased	0.460	0.460	0.000
100	B62_Biased	0.460	0.460	0.000
100	B63_Biased	0.460	0.460	0.000
100	B64_Biased	0.460	0.460	0.000
100	B66_Biased	0.460	0.460	0.000
100	B68_Biased	0.460	0.460	0.000
100	C54_Biased	0.460	0.460	0.000
100	C55_Biased	0.460	0.460	0.000
100	C56_Biased	0.460	0.460	0.000
100	C57_Biased	0.460	0.460	0.000
100	C58_Biased	0.460	0.460	0.000
100	C59_Biased	0.460	0.460	0.000
100	C65_Biased	0.460	0.460	0.000
100	C67_Biased	0.460	0.460	0.000
100	A122_Unbiased	0.460	0.460	0.000
100	A138_Unbiased	0.460	0.460	0.000
100	A139_Unbiased	0.460	0.460	0.000
100	B60_Unbiased	0.460	0.460	0.000
100	B61_Unbiased	0.460	0.460	0.000
100	B69_Unbiased	0.460	0.460	0.000
100	B70_Unbiased	0.460	0.460	0.000
100	B71_Unbiased	0.460	0.460	0.000
100	B72_Unbiased	0.460	0.460	0.000
100	B73_Unbiased	0.460	0.460	0.000
100	B74_Unbiased	0.460	0.460	0.000
100	B77_Unbiased	0.460	0.460	0.000
100	B78_Unbiased	0.460	0.460	0.000
100	B79_Unbiased	0.460	0.460	0.000
100	B80_Unbiased	0.460	0.460	0.000
100	C70_Unbiased	0.460	0.460	0.000
100	C71_Unbiased	0.460	0.460	0.000
100	C72_Unbiased	0.460	0.460	0.000
100	C73_Unbiased	0.460	0.460	0.000
100	C75_Unbiased	0.460	0.460	0.000
100	C76_Unbiased	0.460	0.460	0.000
100	C79_Unbiased	0.460	0.460	0.000
	Max	0.460	0.460	0.000
	Average	0.460	0.460	0.000
	Min	0.460	0.460	0.000
	Std Dev	0.000	0.000	0.000



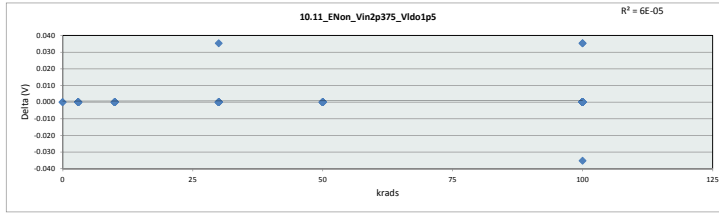
10_10_ENoff_Vin2p375_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.460	0.460	0.460	0.460	0.460	0.460
Average	0.460	0.460	0.460	0.460	0.460	0.460
Max	0.460	0.460	0.460	0.460	0.460	0.460
UL	1.700	1.700	1.700	1.700	1.700	1.700



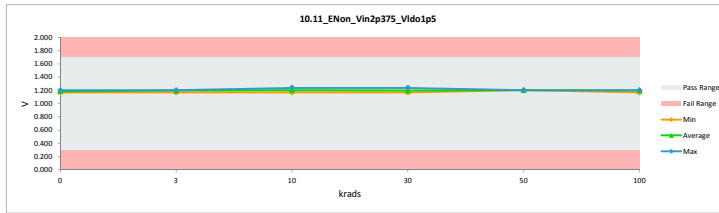
TID 100krad HDR Report
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10.11_ENon_Vin2p375_Vido1p5			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	1.7	1.7	
Min Limit	0.3	0.3	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.202	1.202	0.000
3	A116_Biased	1.202	1.202	0.000
3	A117_Biased	1.202	1.202	0.000
3	B36_Biased	1.202	1.202	0.000
3	B37_Biased	1.202	1.202	0.000
3	C39_Biased	1.202	1.202	0.000
3	A118_Unbiased	1.167	1.167	0.000
3	A140_Unbiased	1.202	1.202	0.000
3	B38_Unbiased	1.202	1.202	0.000
3	B39_Unbiased	1.202	1.202	0.000
3	C40_Unbiased	1.202	1.202	0.000
10	A119_Biased	1.167	1.167	0.000
10	A120_Biased	1.202	1.202	0.000
10	B40_Biased	1.202	1.202	0.000
10	C41_Biased	1.237	1.237	0.000
10	C42_Biased	1.202	1.202	0.000
10	A121_Unbiased	1.202	1.202	0.000
10	A124_Unbiased	1.202	1.202	0.000
10	B41_Unbiased	1.202	1.202	0.000
10	C43_Unbiased	1.202	1.202	0.000
10	C44_Unbiased	1.202	1.202	0.000
30	A125_Biased	1.202	1.202	0.000
30	B42_Biased	1.202	1.202	0.000
30	B43_Biased	1.202	1.202	0.000
30	C45_Biased	1.202	1.202	0.000
30	C46_Biased	1.202	1.202	0.000
30	A127_Unbiased	1.202	1.167	0.035
30	B45_Unbiased	1.202	1.202	0.000
30	B47_Unbiased	1.167	1.167	0.000
30	C47_Unbiased	1.202	1.202	0.000
30	C50_Unbiased	1.237	1.237	0.000
50	A128_Biased	1.202	1.202	0.000
50	A129_Biased	1.202	1.202	0.000
50	B48_Biased	1.202	1.202	0.000
50	B49_Biased	1.202	1.202	0.000
50	C51_Biased	1.202	1.202	0.000
50	A130_Unbiased	1.202	1.202	0.000
50	A131_Unbiased	1.202	1.202	0.000
50	B50_Unbiased	1.202	1.202	0.000
50	B51_Unbiased	1.202	1.202	0.000
50	C53_Unbiased	1.202	1.202	0.000
0	106_Corr	1.167	1.167	0.000
100	A132_Biased	1.202	1.202	0.000
100	A134_Biased	1.202	1.167	0.035
100	A135_Biased	1.202	1.202	0.000
100	B52_Biased	1.202	1.202	0.000
100	B54_Biased	1.202	1.202	0.000
100	B55_Biased	1.167	1.167	0.000
100	B56_Biased	1.202	1.202	0.000
100	B57_Biased	1.202	1.202	0.000
100	B59_Biased	1.202	1.202	0.000
100	B62_Biased	1.202	1.202	0.000
100	B63_Biased	1.202	1.202	0.000
100	B64_Biased	1.202	1.202	0.000
100	B66_Biased	1.202	1.202	0.000
100	B68_Biased	1.202	1.202	0.000
100	C54_Biased	1.202	1.202	0.000
100	C55_Biased	1.202	1.202	0.000
100	C56_Biased	1.202	1.202	0.000
100	C57_Biased	1.202	1.202	0.000
100	C58_Biased	1.202	1.202	0.000
100	C59_Biased	1.202	1.202	0.000
100	C65_Biased	1.202	1.202	0.000
100	C67_Biased	1.202	1.202	0.000
100	A122_Unbiased	1.202	1.202	0.000
100	A138_Unbiased	1.167	1.167	0.000
100	A139_Unbiased	1.202	1.167	0.035
100	B60_Unbiased	1.167	1.202	-0.035
100	B61_Unbiased	1.202	1.202	0.000
100	B69_Unbiased	1.167	1.167	0.000
100	B70_Unbiased	1.202	1.202	0.000
100	B71_Unbiased	1.202	1.202	0.000
100	B72_Unbiased	1.202	1.202	0.000
100	B73_Unbiased	1.202	1.202	0.000
100	B74_Unbiased	1.202	1.202	0.000
100	B77_Unbiased	1.202	1.202	0.000
100	B78_Unbiased	1.202	1.202	0.000
100	B79_Unbiased	1.202	1.202	0.000
100	B80_Unbiased	1.202	1.202	0.000
100	C70_Unbiased	1.202	1.202	0.000
100	C71_Unbiased	1.202	1.202	0.000
100	C72_Unbiased	1.202	1.202	0.000
100	C73_Unbiased	1.202	1.202	0.000
100	C75_Unbiased	1.202	1.202	0.000
100	C76_Unbiased	1.202	1.202	0.000
100	C79_Unbiased	1.202	1.202	0.000
	Max	1.237	1.237	0.035
	Average	1.200	1.199	0.001
	Min	1.167	1.167	-0.035
	Std Dev	0.012	0.013	0.008

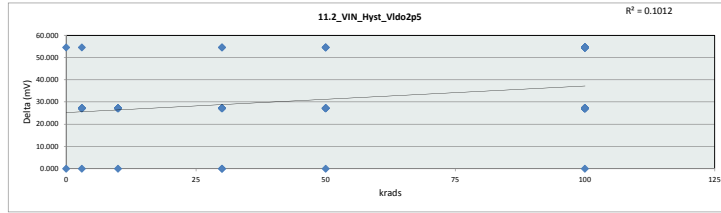


10.11_ENon_Vin2p375_Vido1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	1.167	1.167	1.167	1.167	1.202	1.167
Average	1.184	1.198	1.202	1.198	1.202	1.198
Max	1.202	1.202	1.237	1.237	1.202	1.202
UL	1.700	1.700	1.700	1.700	1.700	1.700

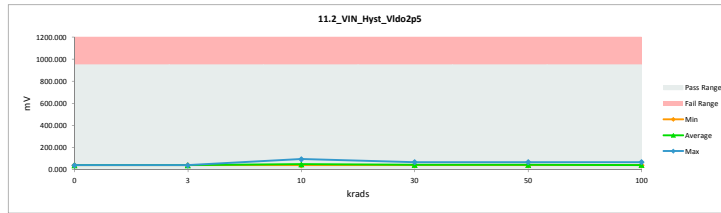


TID 100krad HDR Report
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11_2_VIN_Hyst_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950			
Min Limit	0			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	40.909	40.909	0.000
3	A116_Biased	68.182	40.909	27.273
3	A117_Biased	68.182	40.909	27.273
3	B36_Biased	68.182	40.909	27.273
3	B37_Biased	68.182	40.909	27.273
3	C39_Unbiased	95.454	40.909	54.545
3	A118_Unbiased	68.182	40.909	27.273
3	A140_Unbiased	40.909	40.909	0.000
3	B38_Unbiased	68.182	40.909	27.273
3	B39_Unbiased	68.182	40.909	27.273
3	C40_Unbiased	68.182	40.909	27.273
10	A119_Biased	95.454	95.454	0.000
10	A120_Biased	68.182	40.909	27.273
10	B40_Biased	68.182	40.909	27.273
10	C41_Biased	68.182	40.909	27.273
10	C42_Biased	68.182	40.909	27.273
10	A121_Unbiased	68.182	40.909	27.273
10	A124_Unbiased	68.182	40.909	27.273
10	B41_Unbiased	68.182	40.909	27.273
10	C43_Unbiased	95.454	68.182	27.272
10	C44_Unbiased	68.182	40.909	27.273
30	A125_Biased	68.182	40.909	27.273
30	B42_Biased	68.182	40.909	27.273
30	B43_Biased	68.182	40.909	27.273
30	C45_Biased	95.454	40.909	54.545
30	C46_Biased	68.182	40.909	27.273
30	A127_Unbiased	40.909	40.909	0.000
30	B45_Unbiased	68.182	40.909	27.273
30	B47_Unbiased	68.182	40.909	27.273
30	C47_Unbiased	68.182	40.909	27.273
30	C50_Unbiased	95.454	40.909	54.545
50	A128_Biased	68.182	40.909	27.273
50	A129_Biased	95.455	40.909	54.546
50	B48_Biased	68.182	40.909	27.273
50	B49_Biased	68.182	40.909	27.273
50	C51_Biased	95.454	40.909	54.545
50	A130_Unbiased	68.182	40.909	27.273
50	A131_Unbiased	68.182	40.909	27.273
50	B50_Unbiased	68.182	40.909	27.273
50	B51_Unbiased	68.182	68.182	0.000
50	C53_Unbiased	95.454	40.909	54.545
0	106_Corr	95.454	40.909	54.545
100	A132_Biased	68.182	40.909	27.273
100	A134_Biased	68.182	68.182	0.000
100	A135_Biased	68.182	40.909	27.273
100	B52_Biased	68.182	40.909	27.273
100	B54_Biased	68.182	40.909	27.273
100	B55_Biased	68.182	40.909	27.273
100	B56_Biased	95.454	40.909	54.545
100	B57_Biased	68.182	40.909	27.273
100	B59_Biased	68.182	40.909	27.273
100	B62_Biased	68.182	40.909	27.273
100	B63_Biased	95.454	40.909	54.545
100	B64_Biased	68.182	40.909	27.273
100	B66_Biased	95.454	40.909	54.545
100	B68_Biased	68.182	40.909	27.273
100	C54_Biased	68.182	40.909	27.273
100	C55_Biased	68.182	40.909	27.273
100	C56_Biased	95.454	40.909	54.545
100	C57_Biased	68.182	40.909	27.273
100	C58_Biased	95.454	40.909	54.545
100	C59_Biased	68.182	40.909	27.273
100	C65_Biased	68.182	40.909	27.273
100	C67_Biased	95.454	40.909	54.545
100	A122_Unbiased	68.182	40.909	27.273
100	A138_Unbiased	68.182	40.909	27.273
100	A139_Unbiased	68.182	40.909	27.273
100	B60_Unbiased	68.182	40.909	27.273
100	B61_Unbiased	68.182	40.909	27.273
100	B69_Unbiased	68.182	40.909	27.273
100	B70_Unbiased	68.182	40.909	27.273
100	B71_Unbiased	68.182	40.909	27.273
100	B72_Unbiased	68.182	40.909	27.273
100	B73_Unbiased	68.182	40.909	27.273
100	B74_Unbiased	95.454	40.909	54.545
100	B77_Unbiased	95.454	40.909	54.545
100	B78_Unbiased	95.454	40.909	54.545
100	B79_Unbiased	95.455	40.909	54.546
100	B80_Unbiased	68.182	40.909	27.273
100	C70_Unbiased	95.454	40.909	54.545
100	C71_Unbiased	95.454	40.909	54.545
100	C72_Unbiased	95.454	40.909	54.545
100	C73_Unbiased	95.454	40.909	54.545
100	C75_Unbiased	95.454	40.909	54.545
100	C76_Unbiased	95.454	40.909	54.545
100	C79_Unbiased	95.454	40.909	54.545
	Max	95.455	95.454	54.546
	Average	75.476	42.812	32.664
	Min	40.909	40.909	0.000
	Std Dev	14.140	8.145	15.552

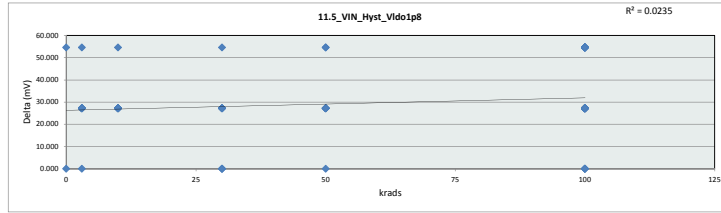


11_2_VIN_Hyst_Vldo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	40.909	40.909	40.909	40.909	40.909	40.909
Average	40.909	40.909	49.091	43.636	43.636	41.529
Max	40.909	40.909	95.454	68.182	68.182	68.182
UL	950.000	950.000	950.000	950.000	950.000	950.000

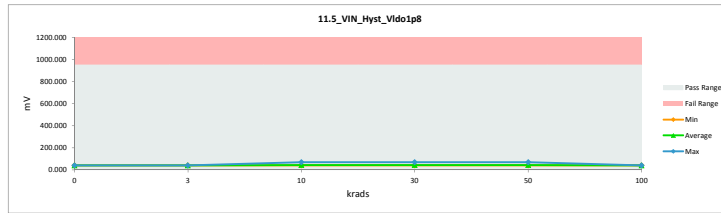


TID 100krad HDR Report
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11.5_VIN_Hyst_Vld01p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	40.909	40.909	0.000
3	A116_Biased	68.182	40.909	27.273
3	A117_Biased	68.182	40.909	27.273
3	B36_Biased	68.182	40.909	27.273
3	B37_Biased	68.182	40.909	27.273
3	C39_Biased	95.454	40.909	54.545
3	A118_Unbiased	68.182	40.909	27.273
3	A140_Unbiased	40.909	40.909	0.000
3	B38_Unbiased	68.182	40.909	27.273
3	B39_Unbiased	68.182	40.909	27.273
3	C40_Unbiased	68.182	40.909	27.273
10	A119_Biased	95.454	68.182	27.272
10	A120_Biased	68.182	40.909	27.273
10	B40_Biased	68.182	40.909	27.273
10	C41_Biased	68.182	40.909	27.273
10	C42_Biased	68.182	40.909	27.273
10	A121_Unbiased	68.182	40.909	27.273
10	A124_Unbiased	68.182	40.909	27.273
10	B41_Unbiased	68.182	40.909	27.273
10	C43_Unbiased	95.454	40.909	54.545
10	C44_Unbiased	68.182	40.909	27.273
30	A125_Biased	68.182	68.182	0.000
30	B42_Biased	68.182	40.909	27.273
30	B43_Biased	68.182	40.909	27.273
30	C45_Biased	40.909	40.909	0.000
30	C46_Biased	68.182	40.909	27.273
30	A127_Unbiased	40.909	40.909	0.000
30	B45_Unbiased	68.182	40.909	27.273
30	B47_Unbiased	68.182	40.909	27.273
30	C47_Unbiased	68.182	40.909	27.273
30	C50_Unbiased	95.454	40.909	54.545
50	A128_Biased	68.182	40.909	27.273
50	A129_Biased	68.182	40.909	27.273
50	B48_Biased	68.182	40.909	27.273
50	B49_Biased	68.182	40.909	27.273
50	C51_Biased	95.454	40.909	54.545
50	A130_Unbiased	68.182	40.909	27.273
50	A131_Unbiased	68.182	40.909	27.273
50	B50_Unbiased	68.182	40.909	27.273
50	B51_Unbiased	68.182	68.182	0.000
50	C53_Unbiased	95.454	40.909	54.545
0	106_Corr	95.454	40.909	54.545
100	A132_Biased	68.182	40.909	27.273
100	A134_Biased	68.182	40.909	27.273
100	A135_Biased	68.182	40.909	27.273
100	B52_Biased	68.182	40.909	27.273
100	B54_Biased	68.182	40.909	27.273
100	B55_Biased	68.182	40.909	27.273
100	B56_Biased	95.454	40.909	54.545
100	B57_Biased	68.182	40.909	27.273
100	B59_Biased	68.182	40.909	27.273
100	B62_Biased	68.182	40.909	27.273
100	B63_Biased	95.454	40.909	54.545
100	B64_Biased	68.182	40.909	27.273
100	B66_Biased	95.454	40.909	54.545
100	B68_Biased	68.182	40.909	27.273
100	C54_Biased	68.182	40.909	27.273
100	C55_Biased	68.182	40.909	27.273
100	C56_Biased	95.454	40.909	54.545
100	C57_Biased	68.182	40.909	27.273
100	C58_Biased	40.909	40.909	0.000
100	C59_Biased	68.182	40.909	27.273
100	C65_Biased	68.182	40.909	27.273
100	C67_Biased	95.454	40.909	54.545
100	A122_Unbiased	68.182	40.909	27.273
100	A138_Unbiased	68.182	40.909	27.273
100	A139_Unbiased	68.182	40.909	27.273
100	B60_Unbiased	68.182	40.909	27.273
100	B61_Unbiased	68.182	40.909	27.273
100	B69_Unbiased	68.182	40.909	27.273
100	B70_Unbiased	68.182	40.909	27.273
100	B71_Unbiased	68.182	40.909	27.273
100	B72_Unbiased	68.182	40.909	27.273
100	B73_Unbiased	68.182	40.909	27.273
100	B74_Unbiased	95.454	40.909	54.545
100	B77_Unbiased	95.454	40.909	54.545
100	B78_Unbiased	95.454	40.909	54.545
100	B79_Unbiased	68.182	40.909	27.273
100	B80_Unbiased	68.182	40.909	27.273
100	C70_Unbiased	95.454	40.909	54.545
100	C71_Unbiased	40.909	40.909	0.000
100	C72_Unbiased	95.454	40.909	54.545
100	C73_Unbiased	40.909	40.909	0.000
100	C75_Unbiased	95.454	40.909	54.545
100	C76_Unbiased	95.454	40.909	54.545
100	C79_Unbiased	40.909	40.909	0.000
	Max	95.454	68.182	54.545
	Average	71.670	41.860	29.810
	Min	40.909	40.909	0.000
	Std Dev	14.965	5.034	15.443

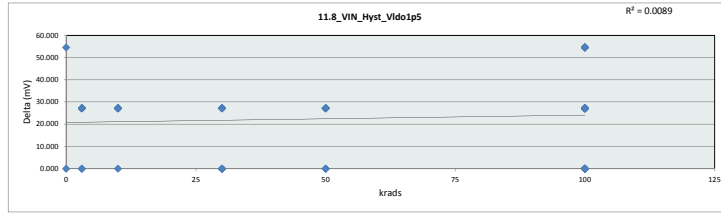


11.5_VIN_Hyst_Vld01p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	40.909	40.909	40.909	40.909	40.909	40.909
Average	40.909	40.909	43.636	43.636	43.636	40.909
Max	40.909	40.909	68.182	68.182	68.182	40.909
UL	950.000	950.000	950.000	950.000	950.000	950.000

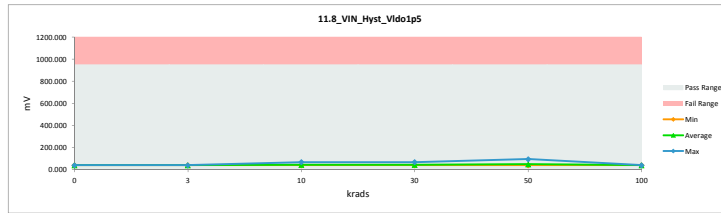


TID 100krad HDR Report
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11.8_VIN_Hyst_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	40.909	40.909	0.000
3	A116_Biased	68.182	40.909	27.273
3	A117_Biased	68.182	40.909	27.273
3	B36_Biased	68.182	40.909	27.273
3	B37_Biased	68.182	40.909	27.273
3	C39_Biased	40.909	40.909	0.000
3	A118_Unbiased	68.182	40.909	27.273
3	A140_Unbiased	40.909	40.909	0.000
3	B38_Unbiased	68.182	40.909	27.273
3	B39_Unbiased	68.182	40.909	27.273
3	C40_Unbiased	68.182	40.909	27.273
10	A119_Biased	95.454	68.182	27.272
10	A120_Biased	68.182	40.909	27.273
10	B40_Biased	68.182	40.909	27.273
10	C41_Biased	68.182	40.909	27.273
10	C42_Biased	68.182	40.909	27.273
10	A121_Unbiased	68.182	40.909	27.273
10	A124_Unbiased	68.182	40.909	27.273
10	B41_Unbiased	68.182	40.909	27.273
10	C43_Unbiased	40.909	40.909	0.000
10	C44_Unbiased	68.182	40.909	27.273
30	A125_Biased	68.182	40.909	0.000
30	B42_Biased	68.182	40.909	27.273
30	B43_Biased	68.182	40.909	27.273
30	C45_Biased	40.909	40.909	0.000
30	C46_Biased	68.182	40.909	27.273
30	A127_Unbiased	68.182	40.909	0.000
30	B45_Unbiased	68.182	40.909	27.273
30	B47_Unbiased	68.182	40.909	27.273
30	C47_Unbiased	68.182	40.909	27.273
30	C50_Unbiased	40.909	40.909	0.000
50	A128_Biased	68.182	40.909	27.273
50	A129_Biased	68.182	40.909	27.273
50	B48_Biased	68.182	40.909	27.273
50	B49_Biased	68.182	40.909	27.273
50	C51_Biased	95.454	0.000	0.000
50	A130_Unbiased	68.182	40.909	27.273
50	A131_Unbiased	68.182	40.909	27.273
50	B50_Unbiased	68.182	40.909	27.273
50	B51_Unbiased	68.182	68.182	0.000
50	C53_Unbiased	40.909	40.909	0.000
0	106_Corr	95.454	40.909	54.545
100	A132_Biased	68.182	40.909	27.273
100	A134_Biased	68.182	40.909	27.273
100	A135_Biased	68.182	40.909	27.273
100	B52_Biased	68.182	40.909	27.273
100	B54_Biased	68.182	40.909	27.273
100	B55_Biased	68.182	40.909	27.273
100	B56_Biased	95.454	40.909	54.545
100	B57_Biased	68.182	40.909	27.273
100	B59_Biased	68.182	40.909	27.273
100	B62_Biased	68.182	40.909	27.273
100	B63_Biased	95.454	40.909	54.545
100	B64_Biased	68.182	40.909	27.273
100	B66_Biased	40.909	40.909	0.000
100	B68_Biased	68.182	40.909	27.273
100	C54_Biased	68.182	40.909	27.273
100	C55_Biased	68.182	40.909	27.273
100	C56_Biased	40.909	40.909	0.000
100	C57_Biased	68.182	40.909	27.273
100	C58_Biased	40.909	40.909	0.000
100	C59_Biased	68.182	40.909	27.273
100	C65_Biased	68.182	40.909	27.273
100	C67_Biased	40.909	40.909	0.000
100	A122_Unbiased	68.182	40.909	27.273
100	A138_Unbiased	68.182	40.909	27.273
100	A139_Unbiased	68.182	40.909	27.273
100	B60_Unbiased	68.182	40.909	27.273
100	B61_Unbiased	68.182	40.909	27.273
100	B69_Unbiased	68.182	40.909	27.273
100	B70_Unbiased	68.182	40.909	27.273
100	B71_Unbiased	68.182	40.909	27.273
100	B72_Unbiased	68.182	40.909	27.273
100	B73_Unbiased	68.182	40.909	27.273
100	B74_Unbiased	95.454	40.909	54.545
100	B77_Unbiased	40.909	40.909	0.000
100	B78_Unbiased	95.454	40.909	54.545
100	B79_Unbiased	68.182	40.909	27.273
100	B80_Unbiased	68.182	40.909	27.273
100	C70_Unbiased	40.909	40.909	0.000
100	C71_Unbiased	40.909	40.909	0.000
100	C72_Unbiased	40.909	40.909	0.000
100	C73_Unbiased	40.909	40.909	0.000
100	C75_Unbiased	95.454	40.909	54.545
100	C76_Unbiased	95.454	40.909	54.545
100	C79_Unbiased	40.909	40.909	0.000
	Max	95.454	95.454	54.545
	Average	65.328	42.495	22.833
	Min	40.909	40.909	0.000
	Std Dev	15.100	7.662	15.002

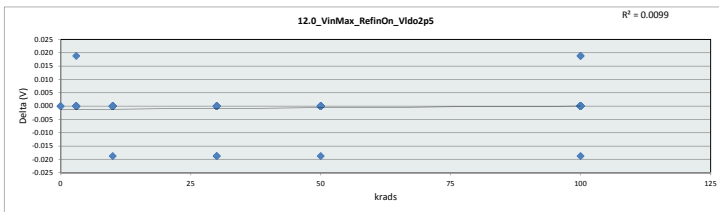


11.8_VIN_Hyst_Vldo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	40.909	40.909	40.909	40.909	40.909	40.909
Average	40.909	40.909	43.636	43.636	49.091	40.909
Max	40.909	40.909	68.182	68.182	95.454	40.909
UL	950.000	950.000	950.000	950.000	950.000	950.000

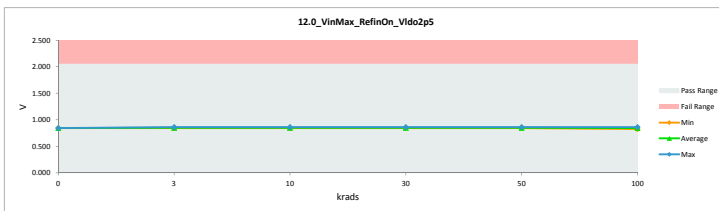


TID 100krad HDR Report
TPS7H3301-SP

12.0_VinMax_RefinOn_Vido2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.05	2.05		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.846	0.846	0.000
3	A116_Biased	0.846	0.846	0.000
3	A117_Biased	0.846	0.846	0.000
3	B36_Biased	0.846	0.846	0.000
3	B37_Biased	0.864	0.864	0.000
3	C39_Biased	0.846	0.846	0.000
3	A118_Unbiased	0.846	0.846	0.000
3	A140_Unbiased	0.846	0.846	0.000
3	B38_Unbiased	0.846	0.846	0.000
3	B39_Unbiased	0.864	0.846	0.019
3	C40_Unbiased	0.846	0.846	0.000
10	A119_Biased	0.846	0.846	0.000
10	A120_Biased	0.846	0.846	0.000
10	B40_Biased	0.846	0.846	0.000
10	C41_Biased	0.846	0.846	0.000
10	C42_Biased	0.846	0.846	0.000
10	A121_Unbiased	0.864	0.846	0.000
10	A124_Unbiased	0.846	0.846	0.000
10	B41_Unbiased	0.846	0.846	0.000
10	C43_Unbiased	0.846	0.864	-0.019
10	C44_Unbiased	0.846	0.846	0.000
30	A125_Biased	0.846	0.846	0.000
30	B42_Biased	0.846	0.846	0.000
30	B43_Biased	0.846	0.846	0.000
30	C45_Biased	0.846	0.846	0.000
30	C46_Biased	0.846	0.846	0.000
30	A127_Unbiased	0.864	0.846	0.000
30	B45_Unbiased	0.846	0.846	0.000
30	B47_Unbiased	0.846	0.864	-0.019
30	C47_Unbiased	0.846	0.864	-0.019
30	C50_Unbiased	0.846	0.846	0.000
50	A128_Biased	0.846	0.846	0.000
50	A129_Biased	0.846	0.846	0.000
50	B48_Biased	0.846	0.846	0.000
50	B49_Biased	0.846	0.846	0.000
50	C51_Biased	0.846	0.846	0.000
50	A130_Unbiased	0.846	0.846	0.000
50	A131_Unbiased	0.846	0.846	0.000
50	B50_Unbiased	0.846	0.846	0.000
50	B51_Unbiased	0.846	0.846	0.000
50	C53_Unbiased	0.846	0.864	-0.019
0	106_Corr	0.846	0.846	0.000
100	A132_Biased	0.846	0.846	0.000
100	A134_Biased	0.846	0.827	0.019
100	A135_Biased	0.846	0.846	0.000
100	B52_Biased	0.846	0.846	0.000
100	B54_Biased	0.846	0.846	0.000
100	B55_Biased	0.864	0.846	0.019
100	B56_Biased	0.846	0.846	0.000
100	B57_Biased	0.846	0.846	0.000
100	B59_Biased	0.846	0.846	0.000
100	B62_Biased	0.846	0.846	0.000
100	B63_Biased	0.846	0.846	0.000
100	B64_Biased	0.846	0.846	0.000
100	B66_Biased	0.846	0.846	0.000
100	B68_Biased	0.846	0.846	0.000
100	C54_Biased	0.846	0.846	0.000
100	C55_Biased	0.846	0.846	0.000
100	C56_Biased	0.846	0.846	0.000
100	C57_Biased	0.846	0.846	0.000
100	C58_Biased	0.846	0.846	0.000
100	C59_Biased	0.846	0.846	0.000
100	C65_Biased	0.846	0.846	0.000
100	C67_Biased	0.846	0.846	0.000
100	A122_Unbiased	0.846	0.846	0.000
100	A138_Unbiased	0.846	0.846	0.000
100	A139_Unbiased	0.846	0.846	0.000
100	B60_Unbiased	0.846	0.846	0.000
100	B61_Unbiased	0.846	0.846	0.000
100	B69_Unbiased	0.846	0.846	0.000
100	B70_Unbiased	0.846	0.846	0.000
100	B71_Unbiased	0.846	0.846	0.000
100	B72_Unbiased	0.846	0.846	0.000
100	B73_Unbiased	0.827	0.827	0.000
100	B74_Unbiased	0.846	0.846	0.000
100	B77_Unbiased	0.846	0.846	0.000
100	B78_Unbiased	0.846	0.846	0.000
100	B79_Unbiased	0.846	0.846	0.000
100	B80_Unbiased	0.846	0.846	0.000
100	C70_Unbiased	0.846	0.864	-0.019
100	C71_Unbiased	0.846	0.846	0.000
100	C72_Unbiased	0.846	0.846	0.000
100	C73_Unbiased	0.846	0.846	0.000
100	C75_Unbiased	0.846	0.846	0.000
100	C76_Unbiased	0.846	0.846	0.000
100	C79_Unbiased	0.846	0.846	0.000
	Max	0.864	0.864	0.019
	Average	0.846	0.847	0.000
	Min	0.827	0.827	-0.019
	Std Dev	0.005	0.006	0.006



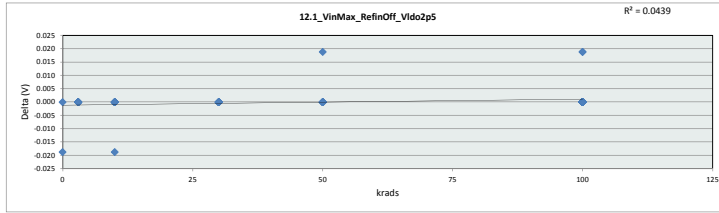
12.0_VinMax_RefinOn_Vido2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.05	V				
Min Limit	0	V				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.846	0.846	0.846	0.846	0.846	0.827
Average	0.846	0.847	0.849	0.851	0.847	0.845
Max	0.846	0.864	0.864	0.864	0.864	0.864
UL	2.050	2.050	2.050	2.050	2.050	2.050



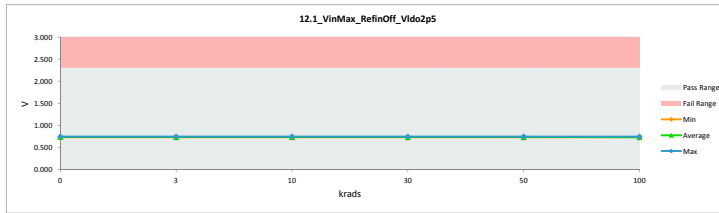
TID 100krad HDR Report
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12.1_VinMax_RefinOff_Vido2p5			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	2.3	2.3	
Min Limit	0	0	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.733	0.752	-0.019
3	A116_Biased	0.733	0.733	0.000
3	A117_Biased	0.752	0.752	0.000
3	B36_Biased	0.752	0.752	0.000
3	B37_Biased	0.752	0.752	0.000
3	C39_Unbiased	0.733	0.733	0.000
3	A118_Unbiased	0.733	0.733	0.000
3	A140_Unbiased	0.733	0.733	0.000
3	B38_Unbiased	0.733	0.733	0.000
3	B39_Unbiased	0.733	0.733	0.000
3	C40_Unbiased	0.733	0.733	0.000
10	A119_Biased	0.733	0.733	0.000
10	A120_Biased	0.733	0.733	0.000
10	B40_Biased	0.752	0.752	0.000
10	C41_Biased	0.733	0.752	-0.019
10	C42_Biased	0.733	0.733	0.000
10	A121_Unbiased	0.752	0.752	0.000
10	A124_Unbiased	0.733	0.733	0.000
10	B41_Unbiased	0.733	0.733	0.000
10	C43_Unbiased	0.752	0.752	0.000
10	C44_Unbiased	0.733	0.733	0.000
30	A125_Biased	0.733	0.733	0.000
30	B42_Biased	0.733	0.733	0.000
30	B43_Biased	0.733	0.733	0.000
30	C45_Biased	0.733	0.733	0.000
30	C46_Biased	0.733	0.733	0.000
30	A127_Unbiased	0.752	0.752	0.000
30	B45_Unbiased	0.733	0.733	0.000
30	B47_Unbiased	0.752	0.752	0.000
30	C47_Unbiased	0.752	0.752	0.000
30	C50_Unbiased	0.752	0.752	0.000
50	A128_Biased	0.733	0.733	0.000
50	A129_Biased	0.733	0.733	0.000
50	B48_Biased	0.752	0.752	0.000
50	B49_Biased	0.733	0.733	0.000
50	C51_Biased	0.752	0.752	0.019
50	A130_Unbiased	0.733	0.733	0.000
50	A131_Unbiased	0.752	0.752	0.000
50	B50_Unbiased	0.733	0.733	0.000
50	B51_Unbiased	0.733	0.733	0.000
50	C53_Unbiased	0.752	0.752	0.000
0	106_Corr	0.733	0.733	0.000
100	A132_Biased	0.733	0.733	0.000
100	A134_Biased	0.733	0.733	0.000
100	A135_Biased	0.733	0.733	0.000
100	B52_Biased	0.733	0.733	0.000
100	B54_Biased	0.752	0.752	0.000
100	B55_Biased	0.752	0.752	0.000
100	B56_Biased	0.733	0.733	0.000
100	B57_Biased	0.733	0.733	0.000
100	B59_Biased	0.733	0.733	0.000
100	B62_Biased	0.733	0.733	0.000
100	B63_Biased	0.752	0.752	0.000
100	B64_Biased	0.752	0.752	0.000
100	B66_Biased	0.733	0.733	0.000
100	B68_Biased	0.752	0.752	0.000
100	C54_Biased	0.733	0.733	0.000
100	C55_Biased	0.733	0.733	0.000
100	C56_Biased	0.733	0.733	0.000
100	C57_Biased	0.733	0.733	0.000
100	C58_Biased	0.752	0.752	0.000
100	C59_Biased	0.733	0.733	0.000
100	C65_Biased	0.733	0.733	0.000
100	C67_Biased	0.733	0.733	0.000
100	A122_Unbiased	0.733	0.733	0.000
100	A138_Unbiased	0.733	0.733	0.000
100	A139_Unbiased	0.733	0.733	0.000
100	B60_Unbiased	0.733	0.733	0.000
100	B61_Unbiased	0.752	0.733	0.019
100	B69_Unbiased	0.733	0.733	0.000
100	B70_Unbiased	0.752	0.752	0.000
100	B71_Unbiased	0.733	0.733	0.000
100	B72_Unbiased	0.752	0.752	0.000
100	B73_Unbiased	0.733	0.733	0.000
100	B74_Unbiased	0.733	0.733	0.000
100	B77_Unbiased	0.752	0.752	0.000
100	B78_Unbiased	0.752	0.752	0.000
100	B79_Unbiased	0.733	0.733	0.000
100	B80_Unbiased	0.733	0.733	0.000
100	C70_Unbiased	0.752	0.752	0.000
100	C71_Unbiased	0.733	0.733	0.000
100	C72_Unbiased	0.733	0.733	0.000
100	C73_Unbiased	0.752	0.733	0.019
100	C75_Unbiased	0.733	0.733	0.000
100	C76_Unbiased	0.733	0.733	0.000
100	C79_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.739	0.739	0.000
	Min	0.733	0.733	-0.019
	Std Dev	0.009	0.009	0.005

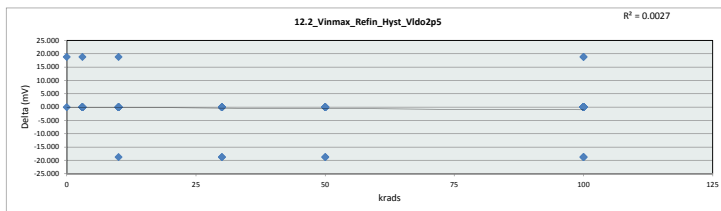


12.1_VinMax_RefinOff_Vido2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.3					
Min Limit	0					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.733	0.733	0.733	0.733	0.733	0.733
Average	0.742	0.739	0.740	0.740	0.739	0.738
Max	0.752	0.752	0.752	0.752	0.752	0.752
UL	2.300	2.300	2.300	2.300	2.300	2.300

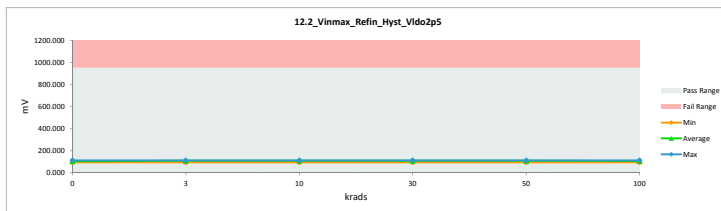


TID 100krad HDR Report
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12.2_Vinmax_Refin_Hyst_Vldo2p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	112.752	93.960	18.792
3	A116_Biased	112.752	112.752	0.000
3	A117_Biased	93.960	93.960	0.000
3	B36_Biased	93.960	93.960	0.000
3	B37_Biased	112.752	112.752	0.000
3	C39_Biased	112.752	112.752	0.000
3	A118_Unbiased	112.752	112.752	0.000
3	A140_Unbiased	112.752	112.752	0.000
3	B38_Unbiased	112.752	112.752	0.000
3	B39_Unbiased	131.544	112.752	18.792
3	C40_Unbiased	112.752	112.752	0.000
10	A119_Biased	112.752	112.752	0.000
10	A120_Biased	112.752	112.752	0.000
10	B40_Biased	93.960	93.960	0.000
10	C41_Biased	112.752	93.960	18.792
10	C42_Biased	112.752	112.752	0.000
10	A121_Unbiased	112.752	112.752	0.000
10	A124_Unbiased	112.752	112.752	0.000
10	B41_Unbiased	112.752	112.752	0.000
10	C43_Unbiased	93.960	112.752	-18.792
10	C44_Unbiased	112.752	112.752	0.000
30	A125_Biased	112.752	112.752	0.000
30	B42_Biased	112.752	112.752	0.000
30	B43_Biased	112.752	112.752	0.000
30	C45_Biased	112.752	112.752	0.000
30	C46_Biased	112.752	112.752	0.000
30	A127_Unbiased	112.752	112.752	0.000
30	B45_Unbiased	112.752	112.752	0.000
30	B47_Unbiased	93.960	112.752	-18.792
30	C47_Unbiased	93.960	112.752	-18.792
30	C50_Unbiased	93.960	93.960	0.000
50	A128_Biased	112.752	112.752	0.000
50	A129_Biased	112.752	112.752	0.000
50	B48_Biased	93.960	93.960	0.000
50	B49_Biased	112.752	112.752	0.000
50	C51_Biased	93.960	112.752	-18.792
50	A130_Unbiased	112.752	112.752	0.000
50	A131_Unbiased	93.960	93.960	0.000
50	B50_Unbiased	112.752	112.752	0.000
50	B51_Unbiased	112.752	112.752	0.000
50	C53_Unbiased	93.960	112.752	-18.792
0	106_Corr	112.752	112.752	0.000
100	A132_Biased	112.752	112.752	0.000
100	A134_Biased	112.752	93.960	18.792
100	A135_Biased	112.752	112.752	0.000
100	B52_Biased	112.752	112.752	0.000
100	B54_Biased	93.960	93.960	0.000
100	B55_Biased	112.752	93.960	18.792
100	B56_Biased	112.752	112.752	0.000
100	B57_Biased	112.752	112.752	0.000
100	B59_Biased	112.752	112.752	0.000
100	B62_Biased	112.752	112.752	0.000
100	B63_Biased	93.960	93.960	0.000
100	B64_Biased	93.960	93.960	0.000
100	B66_Biased	112.752	112.752	0.000
100	B68_Biased	93.960	93.960	0.000
100	C54_Biased	112.752	112.752	0.000
100	C55_Biased	112.752	112.752	0.000
100	C56_Biased	112.752	112.752	0.000
100	C57_Biased	112.752	112.752	0.000
100	C58_Biased	93.960	93.960	0.000
100	C59_Biased	112.752	112.752	0.000
100	C65_Biased	112.752	112.752	0.000
100	C67_Biased	112.752	112.752	0.000
100	A122_Unbiased	112.752	112.752	0.000
100	A138_Unbiased	112.752	112.752	0.000
100	A139_Unbiased	112.752	112.752	0.000
100	B60_Unbiased	112.752	112.752	0.000
100	B61_Unbiased	93.960	112.752	-18.792
100	B69_Unbiased	112.752	112.752	0.000
100	B70_Unbiased	93.960	93.960	0.000
100	B71_Unbiased	112.752	112.752	0.000
100	B72_Unbiased	93.960	93.960	0.000
100	B73_Unbiased	93.960	93.960	0.000
100	B74_Unbiased	112.752	112.752	0.000
100	B77_Unbiased	93.960	93.960	0.000
100	B78_Unbiased	93.960	93.960	0.000
100	B79_Unbiased	112.752	112.752	0.000
100	B80_Unbiased	112.752	112.752	0.000
100	C70_Unbiased	93.960	112.752	-18.792
100	C71_Unbiased	112.752	112.752	0.000
100	C72_Unbiased	112.752	112.752	0.000
100	C73_Unbiased	93.960	112.752	-18.792
100	C75_Unbiased	112.752	112.752	0.000
100	C76_Unbiased	112.752	112.752	0.000
100	C79_Unbiased	112.752	112.752	0.000
	Max	131.544	112.752	18.792
	Average	107.726	108.382	-0.656
	Min	93.960	93.960	-18.792
	Std Dev	8.849	7.985	7.319

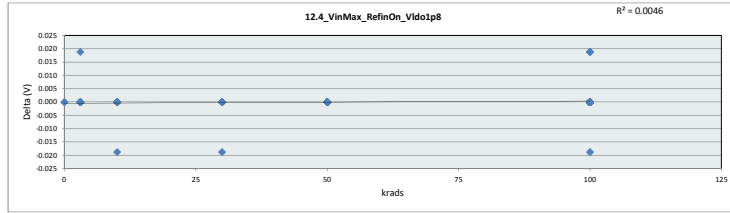


12.2_Vinmax_Refin_Hyst_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	93.960	93.960	93.960	93.960	93.960	93.960
Average	103.356	108.994	108.994	110.873	108.994	107.627
Max	112.752	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000	950.000

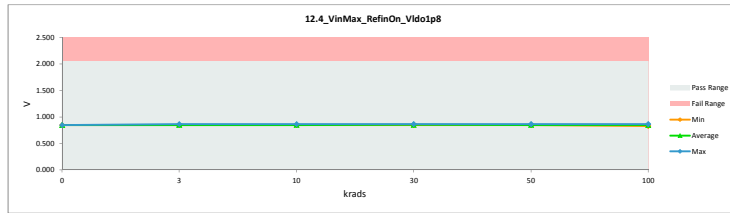


TID 100krad HDR Report
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12.4_VinMax_RefinOn_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.05	2.05		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.846	0.846	0.000
3	A116_Biased	0.846	0.846	0.000
3	A117_Biased	0.846	0.846	0.000
3	B36_Biased	0.846	0.846	0.000
3	B37_Biased	0.864	0.864	0.000
3	C39_Biased	0.846	0.846	0.000
3	A118_Unbiased	0.846	0.846	0.000
3	A140_Unbiased	0.846	0.846	0.000
3	B38_Unbiased	0.846	0.846	0.000
3	B39_Unbiased	0.864	0.846	0.019
3	C40_Unbiased	0.846	0.846	0.000
10	A119_Biased	0.846	0.846	0.000
10	A120_Biased	0.846	0.846	0.000
10	B40_Biased	0.846	0.846	0.000
10	C41_Biased	0.846	0.846	0.000
10	C42_Biased	0.846	0.846	0.000
10	A121_Unbiased	0.846	0.846	0.000
10	A124_Unbiased	0.846	0.846	0.000
10	B41_Unbiased	0.846	0.846	0.000
10	C43_Unbiased	0.846	0.864	-0.019
10	C44_Unbiased	0.846	0.846	0.000
30	A125_Biased	0.846	0.846	0.000
30	B42_Biased	0.846	0.846	0.000
30	B43_Biased	0.846	0.846	0.000
30	C45_Biased	0.846	0.846	0.000
30	C46_Biased	0.846	0.846	0.000
30	A127_Unbiased	0.864	0.864	0.000
30	B45_Unbiased	0.846	0.846	0.000
30	B47_Unbiased	0.846	0.864	-0.019
30	C47_Unbiased	0.864	0.864	0.000
30	C50_Unbiased	0.846	0.846	0.000
50	A128_Biased	0.846	0.846	0.000
50	A129_Biased	0.846	0.846	0.000
50	B48_Biased	0.846	0.846	0.000
50	B49_Biased	0.846	0.846	0.000
50	C51_Biased	0.846	0.846	0.000
50	A130_Unbiased	0.846	0.846	0.000
50	A131_Unbiased	0.846	0.846	0.000
50	B50_Unbiased	0.846	0.846	0.000
50	B51_Unbiased	0.846	0.846	0.000
50	C53_Unbiased	0.864	0.864	0.000
0	106_Corr	0.846	0.846	0.000
100	A132_Biased	0.846	0.846	0.000
100	A134_Biased	0.846	0.827	0.019
100	A135_Biased	0.846	0.846	0.000
100	B52_Biased	0.846	0.846	0.000
100	B54_Biased	0.846	0.846	0.000
100	B55_Biased	0.864	0.846	0.019
100	B56_Biased	0.846	0.846	0.000
100	B57_Biased	0.846	0.846	0.000
100	B59_Biased	0.846	0.846	0.000
100	B62_Biased	0.846	0.846	0.000
100	B63_Biased	0.846	0.846	0.000
100	B64_Biased	0.846	0.846	0.000
100	B66_Biased	0.846	0.846	0.000
100	B68_Biased	0.846	0.846	0.000
100	C54_Biased	0.846	0.846	0.000
100	C55_Biased	0.846	0.846	0.000
100	C56_Biased	0.846	0.846	0.000
100	C57_Biased	0.846	0.846	0.000
100	C58_Biased	0.846	0.846	0.000
100	C59_Biased	0.846	0.846	0.000
100	C65_Biased	0.846	0.846	0.000
100	C67_Biased	0.846	0.846	0.000
100	A122_Unbiased	0.846	0.846	0.000
100	A138_Unbiased	0.846	0.846	0.000
100	A139_Unbiased	0.846	0.846	0.000
100	B60_Unbiased	0.846	0.846	0.000
100	B61_Unbiased	0.846	0.846	0.000
100	B69_Unbiased	0.846	0.846	0.000
100	B70_Unbiased	0.846	0.846	0.000
100	B71_Unbiased	0.846	0.846	0.000
100	B72_Unbiased	0.846	0.846	0.000
100	B73_Unbiased	0.827	0.827	0.000
100	B74_Unbiased	0.846	0.846	0.000
100	B77_Unbiased	0.846	0.846	0.000
100	B78_Unbiased	0.846	0.846	0.000
100	B79_Unbiased	0.846	0.846	0.000
100	B80_Unbiased	0.846	0.846	0.000
100	C70_Unbiased	0.846	0.864	-0.019
100	C71_Unbiased	0.846	0.846	0.000
100	C72_Unbiased	0.846	0.846	0.000
100	C73_Unbiased	0.846	0.846	0.000
100	C75_Unbiased	0.846	0.846	0.000
100	C76_Unbiased	0.846	0.846	0.000
100	C79_Unbiased	0.846	0.846	0.000
	Max	0.864	0.864	0.019
	Average	0.847	0.847	0.000
	Min	0.827	0.827	-0.019
	Std Dev	0.006	0.006	0.005

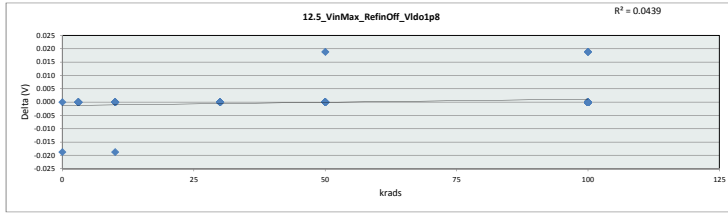


12.4_VinMax_RefinOn_Vldo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.05	V				
Min Limit	0	V				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.846	0.846	0.846	0.846	0.846	0.827
Average	0.846	0.847	0.849	0.851	0.847	0.845
Max	0.846	0.864	0.864	0.864	0.864	0.864
UL	2.050	2.050	2.050	2.050	2.050	2.050

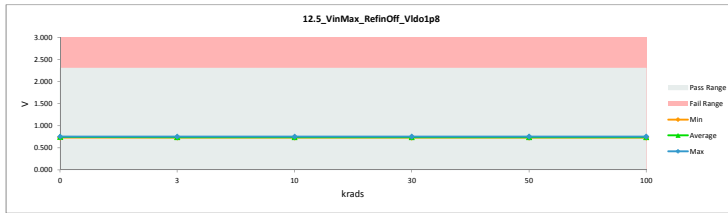


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12.5_VinMax_RefinOff_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.3	2.3		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.733	0.752	-0.019
3	A116_Biased	0.733	0.733	0.000
3	A117_Biased	0.752	0.752	0.000
3	B36_Biased	0.752	0.752	0.000
3	B37_Biased	0.752	0.752	0.000
3	C39_Biased	0.733	0.733	0.000
3	A118_Unbiased	0.733	0.733	0.000
3	A140_Unbiased	0.733	0.733	0.000
3	B38_Unbiased	0.733	0.733	0.000
3	B39_Unbiased	0.733	0.733	0.000
3	C40_Unbiased	0.733	0.733	0.000
10	A119_Biased	0.733	0.733	0.000
10	A120_Biased	0.733	0.733	0.000
10	B40_Biased	0.752	0.752	0.000
10	C41_Biased	0.733	0.752	-0.019
10	C42_Biased	0.733	0.733	0.000
10	A121_Unbiased	0.752	0.752	0.000
10	A124_Unbiased	0.733	0.733	0.000
10	B41_Unbiased	0.733	0.733	0.000
10	C43_Unbiased	0.752	0.752	0.000
10	C44_Unbiased	0.733	0.733	0.000
30	A125_Biased	0.733	0.733	0.000
30	B42_Biased	0.733	0.733	0.000
30	B43_Biased	0.733	0.733	0.000
30	C45_Biased	0.733	0.733	0.000
30	C46_Biased	0.733	0.733	0.000
30	A127_Unbiased	0.752	0.752	0.000
30	B45_Unbiased	0.733	0.733	0.000
30	B47_Unbiased	0.752	0.752	0.000
30	C47_Unbiased	0.752	0.752	0.000
30	C50_Unbiased	0.752	0.752	0.000
50	A128_Biased	0.733	0.733	0.000
50	A129_Biased	0.733	0.733	0.000
50	B48_Biased	0.752	0.752	0.000
50	B49_Biased	0.733	0.733	0.000
50	C51_Biased	0.752	0.752	0.019
50	A130_Unbiased	0.733	0.733	0.000
50	A131_Unbiased	0.752	0.752	0.000
50	B50_Unbiased	0.733	0.733	0.000
50	B51_Unbiased	0.733	0.733	0.000
50	C53_Unbiased	0.752	0.752	0.000
0	106_Corr	0.733	0.733	0.000
100	A132_Biased	0.733	0.733	0.000
100	A134_Biased	0.733	0.733	0.000
100	A135_Biased	0.733	0.733	0.000
100	B52_Biased	0.733	0.733	0.000
100	B54_Biased	0.752	0.752	0.000
100	B55_Biased	0.752	0.752	0.000
100	B56_Biased	0.733	0.733	0.000
100	B57_Biased	0.733	0.733	0.000
100	B59_Biased	0.733	0.733	0.000
100	B62_Biased	0.733	0.733	0.000
100	B63_Biased	0.752	0.752	0.000
100	B64_Biased	0.752	0.752	0.000
100	B66_Biased	0.733	0.733	0.000
100	B68_Biased	0.752	0.752	0.000
100	C54_Biased	0.733	0.733	0.000
100	C55_Biased	0.733	0.733	0.000
100	C56_Biased	0.733	0.733	0.000
100	C57_Biased	0.733	0.733	0.000
100	C58_Biased	0.752	0.752	0.000
100	C59_Biased	0.733	0.733	0.000
100	C65_Biased	0.733	0.733	0.000
100	C67_Biased	0.733	0.733	0.000
100	A122_Unbiased	0.733	0.733	0.000
100	A138_Unbiased	0.733	0.733	0.000
100	A139_Unbiased	0.733	0.733	0.000
100	B60_Unbiased	0.733	0.733	0.000
100	B61_Unbiased	0.752	0.733	0.019
100	B69_Unbiased	0.733	0.733	0.000
100	B70_Unbiased	0.752	0.752	0.000
100	B71_Unbiased	0.733	0.733	0.000
100	B72_Unbiased	0.752	0.752	0.000
100	B73_Unbiased	0.733	0.733	0.000
100	B74_Unbiased	0.733	0.733	0.000
100	B77_Unbiased	0.752	0.752	0.000
100	B78_Unbiased	0.752	0.752	0.000
100	B79_Unbiased	0.733	0.733	0.000
100	B80_Unbiased	0.733	0.733	0.000
100	C70_Unbiased	0.752	0.752	0.000
100	C71_Unbiased	0.733	0.733	0.000
100	C72_Unbiased	0.733	0.733	0.000
100	C73_Unbiased	0.752	0.733	0.019
100	C75_Unbiased	0.733	0.733	0.000
100	C76_Unbiased	0.733	0.733	0.000
100	C79_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.739	0.739	0.000
	Min	0.733	0.733	-0.019
	Std Dev	0.009	0.009	0.005

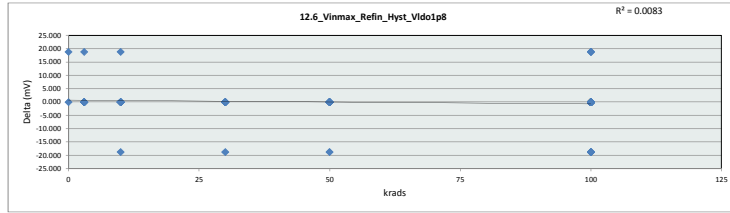


12.5_VinMax_RefinOff_Vldo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.3	V				
Min Limit	0	V				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.733	0.733	0.733	0.733	0.733	0.733
Average	0.742	0.739	0.740	0.740	0.739	0.738
Max	0.752	0.752	0.752	0.752	0.752	0.752
UL	2.300	2.300	2.300	2.300	2.300	2.300

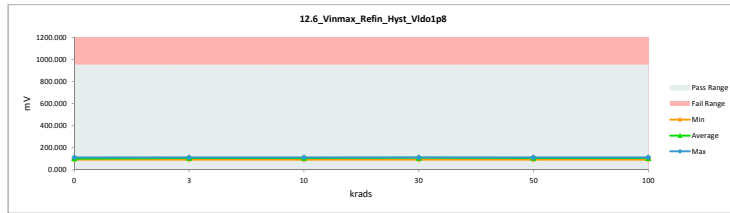


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12.6_Vinmax_Refin_Hyst_Vld01				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	112.752	93.960	18.792
3	A116_Biased	112.752	112.752	0.000
3	A117_Biased	93.960	93.960	0.000
3	B36_Biased	93.960	93.960	0.000
3	B37_Biased	112.752	112.752	0.000
3	C39_Unbiased	112.752	112.752	0.000
3	A118_Unbiased	112.752	112.752	0.000
3	A140_Unbiased	112.752	112.752	0.000
3	B38_Unbiased	112.752	112.752	0.000
3	B39_Unbiased	131.544	112.752	18.792
3	C40_Unbiased	112.752	112.752	0.000
10	A119_Biased	112.752	112.752	0.000
10	A120_Biased	112.752	112.752	0.000
10	B40_Biased	93.960	93.960	0.000
10	C41_Biased	112.752	93.960	18.792
10	C42_Biased	112.752	112.752	0.000
10	A121_Unbiased	112.752	112.752	0.000
10	A124_Unbiased	112.752	112.752	0.000
10	B41_Unbiased	112.752	112.752	0.000
10	C43_Unbiased	93.960	112.752	-18.792
10	C44_Unbiased	112.752	112.752	0.000
30	A125_Biased	112.752	112.752	0.000
30	B42_Biased	112.752	112.752	0.000
30	B43_Biased	112.752	112.752	0.000
30	C45_Biased	112.752	112.752	0.000
30	C46_Biased	112.752	112.752	0.000
30	A127_Unbiased	112.752	112.752	0.000
30	B45_Unbiased	112.752	112.752	0.000
30	B47_Unbiased	93.960	112.752	-18.792
30	C47_Unbiased	112.752	112.752	0.000
30	C50_Unbiased	93.960	93.960	0.000
50	A128_Biased	112.752	112.752	0.000
50	A129_Biased	112.752	112.752	0.000
50	B48_Biased	93.960	93.960	0.000
50	B49_Biased	112.752	112.752	0.000
50	C51_Biased	93.960	112.752	-18.792
50	A130_Unbiased	112.752	112.752	0.000
50	A131_Unbiased	93.960	93.960	0.000
50	B50_Unbiased	112.752	112.752	0.000
50	B51_Unbiased	112.752	112.752	0.000
50	C53_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
100	A132_Biased	112.752	112.752	0.000
100	A134_Biased	112.752	93.960	18.792
100	A135_Biased	112.752	112.752	0.000
100	B52_Biased	112.752	112.752	0.000
100	B54_Biased	93.960	93.960	0.000
100	B55_Biased	112.752	93.960	18.792
100	B56_Biased	112.752	112.752	0.000
100	B57_Biased	112.752	112.752	0.000
100	B59_Biased	112.752	112.752	0.000
100	B62_Biased	112.752	112.752	0.000
100	B63_Biased	93.960	93.960	0.000
100	B64_Biased	93.960	93.960	0.000
100	B66_Biased	112.752	112.752	0.000
100	B68_Biased	93.960	93.960	0.000
100	C54_Biased	112.752	112.752	0.000
100	C55_Biased	112.752	112.752	0.000
100	C56_Biased	112.752	112.752	0.000
100	C57_Biased	112.752	112.752	0.000
100	C58_Biased	93.960	93.960	0.000
100	C59_Biased	112.752	112.752	0.000
100	C65_Biased	112.752	112.752	0.000
100	C67_Biased	112.752	112.752	0.000
100	A122_Unbiased	112.752	112.752	0.000
100	A138_Unbiased	112.752	112.752	0.000
100	A139_Unbiased	112.752	112.752	0.000
100	B60_Unbiased	112.752	112.752	0.000
100	B61_Unbiased	93.960	112.752	-18.792
100	B69_Unbiased	112.752	112.752	0.000
100	B70_Unbiased	93.960	93.960	0.000
100	B71_Unbiased	112.752	112.752	0.000
100	B72_Unbiased	93.960	93.960	0.000
100	B73_Unbiased	93.960	93.960	0.000
100	B74_Unbiased	112.752	112.752	0.000
100	B77_Unbiased	93.960	93.960	0.000
100	B78_Unbiased	93.960	93.960	0.000
100	B79_Unbiased	112.752	112.752	0.000
100	B80_Unbiased	112.752	112.752	0.000
100	C70_Unbiased	93.960	112.752	-18.792
100	C71_Unbiased	112.752	112.752	0.000
100	C72_Unbiased	112.752	112.752	0.000
100	C73_Unbiased	93.960	112.752	-18.792
100	C75_Unbiased	112.752	112.752	0.000
100	C76_Unbiased	112.752	112.752	0.000
100	C79_Unbiased	112.752	112.752	0.000
	Max	131.544	112.752	18.792
	Average	108.163	108.382	-0.219
	Min	93.960	93.960	-18.792
	Std Dev	8.617	7.985	6.757

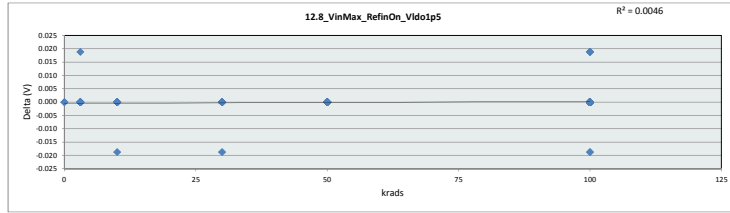


12.6_Vinmax_Refin_Hyst_Vld01						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	93.960	93.960	93.960	93.960	93.960	93.960
Average	103.356	108.994	108.994	110.873	108.994	107.627
Max	112.752	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000	950.000

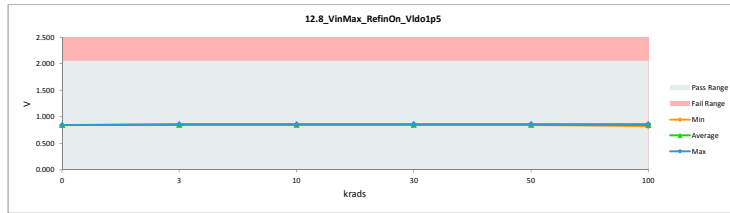


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12.8_VinMax_RefinOn_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.05	2.05		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.846	0.846	0.000
3	A116_Biased	0.846	0.846	0.000
3	A117_Biased	0.846	0.846	0.000
3	B36_Biased	0.846	0.846	0.000
3	B37_Biased	0.864	0.864	0.000
3	C39_Biased	0.846	0.846	0.000
3	A118_Unbiased	0.846	0.846	0.000
3	A140_Unbiased	0.846	0.846	0.000
3	B38_Unbiased	0.846	0.846	0.000
3	B39_Unbiased	0.864	0.846	0.019
3	C40_Unbiased	0.846	0.846	0.000
10	A119_Biased	0.846	0.846	0.000
10	A120_Biased	0.846	0.846	0.000
10	B40_Biased	0.846	0.846	0.000
10	C41_Biased	0.846	0.846	0.000
10	C42_Biased	0.846	0.846	0.000
10	A121_Unbiased	0.864	0.846	0.000
10	A124_Unbiased	0.846	0.846	0.000
10	B41_Unbiased	0.846	0.846	0.000
10	C43_Unbiased	0.846	0.864	-0.019
10	C44_Unbiased	0.846	0.846	0.000
30	A125_Biased	0.846	0.846	0.000
30	B42_Biased	0.846	0.846	0.000
30	B43_Biased	0.846	0.846	0.000
30	C45_Biased	0.846	0.846	0.000
30	C46_Biased	0.846	0.846	0.000
30	A127_Unbiased	0.864	0.846	0.000
30	B45_Unbiased	0.846	0.846	0.000
30	B47_Unbiased	0.846	0.864	-0.019
30	C47_Unbiased	0.864	0.846	0.000
30	C50_Unbiased	0.846	0.846	0.000
50	A128_Biased	0.846	0.846	0.000
50	A129_Biased	0.846	0.846	0.000
50	B48_Biased	0.846	0.846	0.000
50	B49_Biased	0.846	0.846	0.000
50	C51_Biased	0.846	0.846	0.000
50	A130_Unbiased	0.846	0.846	0.000
50	A131_Unbiased	0.846	0.846	0.000
50	B50_Unbiased	0.846	0.846	0.000
50	B51_Unbiased	0.846	0.846	0.000
50	C53_Unbiased	0.864	0.864	0.000
0	106_Corr	0.846	0.846	0.000
100	A132_Biased	0.846	0.846	0.000
100	A134_Biased	0.846	0.827	0.019
100	A135_Biased	0.846	0.846	0.000
100	B52_Biased	0.846	0.846	0.000
100	B54_Biased	0.846	0.846	0.000
100	B55_Biased	0.864	0.846	0.019
100	B56_Biased	0.846	0.846	0.000
100	B57_Biased	0.846	0.846	0.000
100	B59_Biased	0.846	0.846	0.000
100	B62_Biased	0.846	0.846	0.000
100	B63_Biased	0.846	0.846	0.000
100	B64_Biased	0.846	0.846	0.000
100	B66_Biased	0.846	0.846	0.000
100	B68_Biased	0.846	0.846	0.000
100	C54_Biased	0.846	0.846	0.000
100	C55_Biased	0.846	0.846	0.000
100	C56_Biased	0.846	0.846	0.000
100	C57_Biased	0.846	0.846	0.000
100	C58_Biased	0.846	0.846	0.000
100	C59_Biased	0.846	0.846	0.000
100	C65_Biased	0.846	0.846	0.000
100	C67_Biased	0.846	0.846	0.000
100	A122_Unbiased	0.846	0.846	0.000
100	A138_Unbiased	0.846	0.846	0.000
100	A139_Unbiased	0.846	0.846	0.000
100	B60_Unbiased	0.846	0.846	0.000
100	B61_Unbiased	0.846	0.846	0.000
100	B69_Unbiased	0.846	0.846	0.000
100	B70_Unbiased	0.846	0.846	0.000
100	B71_Unbiased	0.846	0.846	0.000
100	B72_Unbiased	0.846	0.846	0.000
100	B73_Unbiased	0.827	0.827	0.000
100	B74_Unbiased	0.846	0.846	0.000
100	B77_Unbiased	0.846	0.846	0.000
100	B78_Unbiased	0.846	0.846	0.000
100	B79_Unbiased	0.846	0.846	0.000
100	B80_Unbiased	0.846	0.846	0.000
100	C70_Unbiased	0.846	0.864	-0.019
100	C71_Unbiased	0.846	0.846	0.000
100	C72_Unbiased	0.846	0.846	0.000
100	C73_Unbiased	0.846	0.846	0.000
100	C75_Unbiased	0.846	0.846	0.000
100	C76_Unbiased	0.846	0.846	0.000
100	C79_Unbiased	0.846	0.846	0.000
	Max	0.864	0.864	0.019
	Average	0.847	0.847	0.000
	Min	0.827	0.827	-0.019
	Std Dev	0.006	0.006	0.005

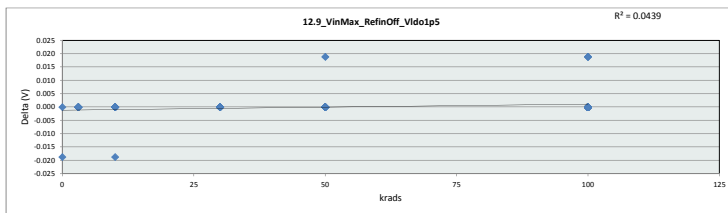


12.8_VinMax_RefinOn_Vldo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.05	V				
Min Limit	0	V				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.846	0.846	0.846	0.846	0.846	0.827
Average	0.846	0.847	0.849	0.851	0.847	0.845
Max	0.846	0.864	0.864	0.864	0.864	0.864
UL	2.050	2.050	2.050	2.050	2.050	2.050

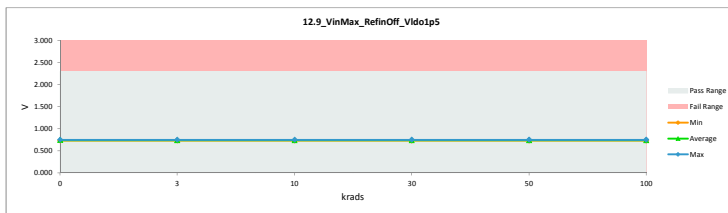


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12.9_VinMax_RefinOff_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.3	2.3		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.733	0.752	-0.019
3	A116_Biased	0.733	0.733	0.000
3	A117_Biased	0.752	0.752	0.000
3	B36_Biased	0.752	0.752	0.000
3	B37_Biased	0.752	0.752	0.000
3	C39_Biased	0.733	0.733	0.000
3	A118_Unbiased	0.733	0.733	0.000
3	A140_Unbiased	0.733	0.733	0.000
3	B38_Unbiased	0.733	0.733	0.000
3	B39_Unbiased	0.733	0.733	0.000
3	C40_Unbiased	0.733	0.733	0.000
10	A119_Biased	0.733	0.733	0.000
10	A120_Biased	0.733	0.733	0.000
10	B40_Biased	0.752	0.752	0.000
10	C41_Biased	0.733	0.752	-0.019
10	C42_Biased	0.733	0.733	0.000
10	A121_Unbiased	0.752	0.752	0.000
10	A124_Unbiased	0.733	0.733	0.000
10	B41_Unbiased	0.733	0.733	0.000
10	C43_Unbiased	0.752	0.752	0.000
10	C44_Unbiased	0.733	0.733	0.000
30	A125_Biased	0.733	0.733	0.000
30	B42_Biased	0.733	0.733	0.000
30	B43_Biased	0.733	0.733	0.000
30	C45_Biased	0.733	0.733	0.000
30	C46_Biased	0.733	0.733	0.000
30	A127_Unbiased	0.752	0.752	0.000
30	B45_Unbiased	0.733	0.733	0.000
30	B47_Unbiased	0.752	0.752	0.000
30	C47_Unbiased	0.752	0.752	0.000
30	C50_Unbiased	0.752	0.752	0.000
50	A128_Biased	0.733	0.733	0.000
50	A129_Biased	0.733	0.733	0.000
50	B48_Biased	0.752	0.752	0.000
50	B49_Biased	0.733	0.733	0.000
50	C51_Biased	0.752	0.752	0.019
50	A130_Unbiased	0.733	0.733	0.000
50	A131_Unbiased	0.752	0.752	0.000
50	B50_Unbiased	0.733	0.733	0.000
50	B51_Unbiased	0.733	0.733	0.000
50	C53_Unbiased	0.752	0.752	0.000
0	106_Corr	0.733	0.733	0.000
100	A132_Biased	0.733	0.733	0.000
100	A134_Biased	0.733	0.733	0.000
100	A135_Biased	0.733	0.733	0.000
100	B52_Biased	0.733	0.733	0.000
100	B54_Biased	0.752	0.752	0.000
100	B55_Biased	0.752	0.752	0.000
100	B56_Biased	0.733	0.733	0.000
100	B57_Biased	0.733	0.733	0.000
100	B59_Biased	0.733	0.733	0.000
100	B62_Biased	0.733	0.733	0.000
100	B63_Biased	0.752	0.752	0.000
100	B64_Biased	0.752	0.752	0.000
100	B66_Biased	0.733	0.733	0.000
100	B68_Biased	0.752	0.752	0.000
100	C54_Biased	0.733	0.733	0.000
100	C55_Biased	0.733	0.733	0.000
100	C56_Biased	0.733	0.733	0.000
100	C57_Biased	0.733	0.733	0.000
100	C58_Biased	0.752	0.752	0.000
100	C59_Biased	0.733	0.733	0.000
100	C65_Biased	0.733	0.733	0.000
100	C67_Biased	0.733	0.733	0.000
100	A122_Unbiased	0.733	0.733	0.000
100	A138_Unbiased	0.733	0.733	0.000
100	A139_Unbiased	0.733	0.733	0.000
100	B60_Unbiased	0.733	0.733	0.000
100	B61_Unbiased	0.752	0.733	0.019
100	B69_Unbiased	0.733	0.733	0.000
100	B70_Unbiased	0.752	0.752	0.000
100	B71_Unbiased	0.733	0.733	0.000
100	B72_Unbiased	0.752	0.752	0.000
100	B73_Unbiased	0.733	0.733	0.000
100	B74_Unbiased	0.733	0.733	0.000
100	B77_Unbiased	0.752	0.752	0.000
100	B78_Unbiased	0.752	0.752	0.000
100	B79_Unbiased	0.733	0.733	0.000
100	B80_Unbiased	0.733	0.733	0.000
100	C70_Unbiased	0.752	0.752	0.000
100	C71_Unbiased	0.733	0.733	0.000
100	C72_Unbiased	0.733	0.733	0.000
100	C73_Unbiased	0.752	0.733	0.019
100	C75_Unbiased	0.733	0.733	0.000
100	C76_Unbiased	0.733	0.733	0.000
100	C79_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.739	0.739	0.000
	Min	0.733	0.733	-0.019
	Std Dev	0.009	0.009	0.005

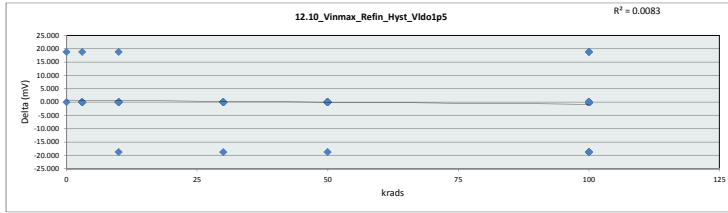


12.9_VinMax_RefinOff_Vldo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.3	V				
Min Limit	0	V				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.733	0.733	0.733	0.733	0.733	0.733
Average	0.742	0.739	0.740	0.740	0.739	0.738
Max	0.752	0.752	0.752	0.752	0.752	0.752
UL	2.300	2.300	2.300	2.300	2.300	2.300

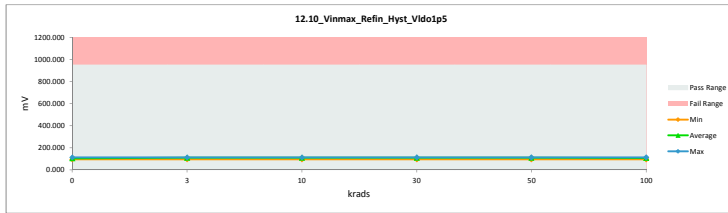


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12_10_Vinmax_Refin_Hyst_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	112.752	93.960	18.792
3	A116_Biased	112.752	112.752	0.000
3	A117_Biased	93.960	93.960	0.000
3	B36_Biased	93.960	93.960	0.000
3	B37_Biased	112.752	112.752	0.000
3	C39_Biased	112.752	112.752	0.000
3	A118_Unbiased	112.752	112.752	0.000
3	A140_Unbiased	112.752	112.752	0.000
3	B38_Unbiased	112.752	112.752	0.000
3	B39_Unbiased	131.544	112.752	18.792
3	C40_Unbiased	112.752	112.752	0.000
10	A119_Biased	112.752	112.752	0.000
10	A120_Biased	112.752	112.752	0.000
10	B40_Biased	93.960	93.960	0.000
10	C41_Biased	112.752	93.960	18.792
10	C42_Biased	112.752	112.752	0.000
10	A121_Unbiased	112.752	112.752	0.000
10	A124_Unbiased	112.752	112.752	0.000
10	B41_Unbiased	112.752	112.752	0.000
10	C43_Unbiased	93.960	112.752	-18.792
10	C44_Unbiased	112.752	112.752	0.000
30	A125_Biased	112.752	112.752	0.000
30	B42_Biased	112.752	112.752	0.000
30	B43_Biased	112.752	112.752	0.000
30	C45_Biased	112.752	112.752	0.000
30	C46_Biased	112.752	112.752	0.000
30	A127_Unbiased	112.752	112.752	0.000
30	B45_Unbiased	112.752	112.752	0.000
30	B47_Unbiased	93.960	112.752	-18.792
30	C47_Unbiased	112.752	112.752	0.000
30	C50_Unbiased	93.960	93.960	0.000
50	A128_Biased	112.752	112.752	0.000
50	A129_Biased	112.752	112.752	0.000
50	B48_Biased	93.960	93.960	0.000
50	B49_Biased	112.752	112.752	0.000
50	C51_Biased	93.960	112.752	-18.792
50	A130_Unbiased	112.752	112.752	0.000
50	A131_Unbiased	93.960	93.960	0.000
50	B50_Unbiased	112.752	112.752	0.000
50	B51_Unbiased	112.752	112.752	0.000
50	C53_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
100	A132_Biased	112.752	112.752	0.000
100	A134_Biased	112.752	93.960	18.792
100	A135_Biased	112.752	112.752	0.000
100	B52_Biased	112.752	112.752	0.000
100	B54_Biased	93.960	93.960	0.000
100	B55_Biased	112.752	93.960	18.792
100	B56_Biased	112.752	112.752	0.000
100	B57_Biased	112.752	112.752	0.000
100	B59_Biased	112.752	112.752	0.000
100	B62_Biased	112.752	112.752	0.000
100	B63_Biased	93.960	93.960	0.000
100	B64_Biased	93.960	93.960	0.000
100	B66_Biased	112.752	112.752	0.000
100	B68_Biased	93.960	93.960	0.000
100	C54_Biased	112.752	112.752	0.000
100	C55_Biased	112.752	112.752	0.000
100	C56_Biased	112.752	112.752	0.000
100	C57_Biased	112.752	112.752	0.000
100	C58_Biased	93.960	93.960	0.000
100	C59_Biased	112.752	112.752	0.000
100	C65_Biased	112.752	112.752	0.000
100	C67_Biased	112.752	112.752	0.000
100	A122_Unbiased	112.752	112.752	0.000
100	A138_Unbiased	112.752	112.752	0.000
100	A139_Unbiased	112.752	112.752	0.000
100	B60_Unbiased	112.752	112.752	0.000
100	B61_Unbiased	93.960	112.752	-18.792
100	B69_Unbiased	112.752	112.752	0.000
100	B70_Unbiased	93.960	93.960	0.000
100	B71_Unbiased	112.752	112.752	0.000
100	B72_Unbiased	93.960	93.960	0.000
100	B73_Unbiased	93.960	93.960	0.000
100	B74_Unbiased	112.752	112.752	0.000
100	B77_Unbiased	93.960	93.960	0.000
100	B78_Unbiased	93.960	93.960	0.000
100	B79_Unbiased	112.752	112.752	0.000
100	B80_Unbiased	112.752	112.752	0.000
100	C70_Unbiased	93.960	112.752	-18.792
100	C71_Unbiased	112.752	112.752	0.000
100	C72_Unbiased	112.752	112.752	0.000
100	C73_Unbiased	93.960	112.752	-18.792
100	C75_Unbiased	112.752	112.752	0.000
100	C76_Unbiased	112.752	112.752	0.000
100	C79_Unbiased	112.752	112.752	0.000
	Max	131.544	112.752	18.792
	Average	108.163	108.382	-0.219
	Min	93.960	93.960	-18.792
	Std Dev	8.617	7.985	6.757

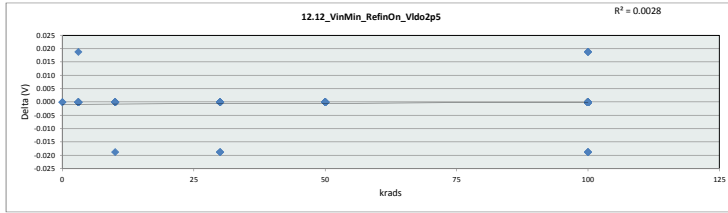


12_10_Vinmax_Refin_Hyst_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	93.960	93.960	93.960	93.960	93.960	93.960
Average	103.356	108.994	108.994	110.873	108.994	107.627
Max	112.752	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000	950.000

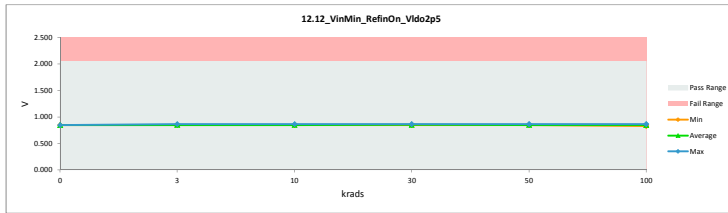


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12.12_VinMin_RefinOn_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.05	2.05		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.846	0.846	0.000
3	A116_Biased	0.846	0.846	0.000
3	A117_Biased	0.846	0.846	0.000
3	B36_Biased	0.846	0.846	0.000
3	B37_Biased	0.864	0.864	0.000
3	C39_Biased	0.846	0.846	0.000
3	A118_Unbiased	0.846	0.846	0.000
3	A140_Unbiased	0.846	0.846	0.000
3	B38_Unbiased	0.846	0.846	0.000
3	B39_Unbiased	0.864	0.846	0.019
3	C40_Unbiased	0.846	0.846	0.000
10	A119_Biased	0.846	0.846	0.000
10	A120_Biased	0.846	0.846	0.000
10	B40_Biased	0.846	0.846	0.000
10	C41_Biased	0.846	0.846	0.000
10	C42_Biased	0.846	0.846	0.000
10	A121_Unbiased	0.846	0.846	0.000
10	A124_Unbiased	0.846	0.846	0.000
10	B41_Unbiased	0.846	0.846	0.000
10	C43_Unbiased	0.846	0.864	-0.019
10	C44_Unbiased	0.846	0.846	0.000
30	A125_Biased	0.846	0.846	0.000
30	B42_Biased	0.846	0.846	0.000
30	B43_Biased	0.846	0.846	0.000
30	C45_Biased	0.846	0.846	0.000
30	C46_Biased	0.846	0.846	0.000
30	A127_Unbiased	0.864	0.864	0.000
30	B45_Unbiased	0.846	0.846	0.000
30	B47_Unbiased	0.846	0.864	-0.019
30	C47_Unbiased	0.846	0.864	-0.019
30	C50_Unbiased	0.846	0.846	0.000
50	A128_Biased	0.846	0.846	0.000
50	A129_Biased	0.846	0.846	0.000
50	B48_Biased	0.846	0.846	0.000
50	B49_Biased	0.846	0.846	0.000
50	C51_Biased	0.846	0.846	0.000
50	A130_Unbiased	0.846	0.846	0.000
50	A131_Unbiased	0.846	0.846	0.000
50	B50_Unbiased	0.846	0.846	0.000
50	B51_Unbiased	0.846	0.846	0.000
50	C53_Unbiased	0.864	0.864	0.000
0	106_Corr	0.846	0.846	0.000
100	A132_Biased	0.846	0.846	0.000
100	A134_Biased	0.846	0.827	0.019
100	A135_Biased	0.846	0.846	0.000
100	B52_Biased	0.846	0.846	0.000
100	B54_Biased	0.846	0.846	0.000
100	B55_Biased	0.864	0.846	0.019
100	B56_Biased	0.846	0.846	0.000
100	B57_Biased	0.846	0.846	0.000
100	B59_Biased	0.846	0.846	0.000
100	B62_Biased	0.846	0.846	0.000
100	B63_Biased	0.846	0.846	0.000
100	B64_Biased	0.846	0.846	0.000
100	B66_Biased	0.846	0.846	0.000
100	B68_Biased	0.846	0.846	0.000
100	C54_Biased	0.846	0.846	0.000
100	C55_Biased	0.846	0.846	0.000
100	C56_Biased	0.846	0.846	0.000
100	C57_Biased	0.846	0.846	0.000
100	C58_Biased	0.846	0.846	0.000
100	C59_Biased	0.846	0.846	0.000
100	C65_Biased	0.846	0.846	0.000
100	C67_Biased	0.846	0.846	0.000
100	A122_Unbiased	0.846	0.846	0.000
100	A138_Unbiased	0.846	0.846	0.000
100	A139_Unbiased	0.846	0.846	0.000
100	B60_Unbiased	0.846	0.846	0.000
100	B61_Unbiased	0.846	0.846	0.000
100	B69_Unbiased	0.846	0.846	0.000
100	B70_Unbiased	0.846	0.846	0.000
100	B71_Unbiased	0.846	0.846	0.000
100	B72_Unbiased	0.846	0.846	0.000
100	B73_Unbiased	0.827	0.827	0.000
100	B74_Unbiased	0.846	0.846	0.000
100	B77_Unbiased	0.846	0.864	-0.019
100	B78_Unbiased	0.846	0.846	0.000
100	B79_Unbiased	0.846	0.846	0.000
100	B80_Unbiased	0.846	0.846	0.000
100	C70_Unbiased	0.846	0.864	-0.019
100	C71_Unbiased	0.846	0.846	0.000
100	C72_Unbiased	0.846	0.846	0.000
100	C73_Unbiased	0.846	0.846	0.000
100	C75_Unbiased	0.846	0.846	0.000
100	C76_Unbiased	0.846	0.846	0.000
100	C79_Unbiased	0.846	0.846	0.000
	Max	0.864	0.864	0.019
	Average	0.847	0.847	0.000
	Min	0.827	0.827	-0.019
	Std Dev	0.005	0.007	0.006



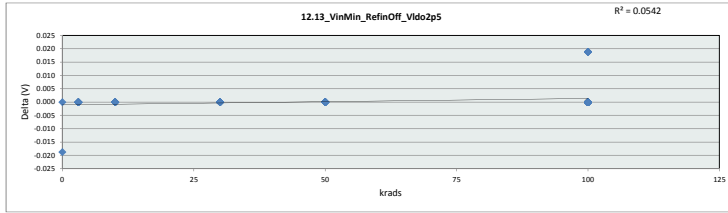
12.12_VinMin_RefinOn_Vldo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.05	V				
Min Limit	0	V				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.846	0.846	0.846	0.846	0.846	0.827
Average	0.846	0.847	0.849	0.851	0.847	0.846
Max	0.846	0.864	0.864	0.864	0.864	0.864
UL	2.050	2.050	2.050	2.050	2.050	2.050



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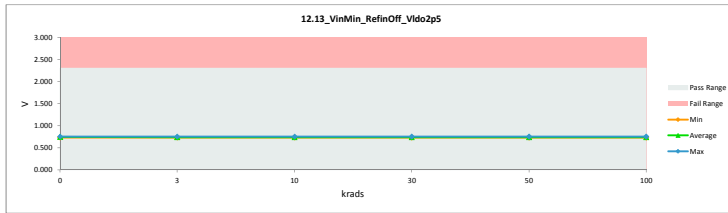
12.13_VinMin_RefinOff_Vldo2p5			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	2.3	2.3	
Min Limit	0	0	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.733	0.752	-0.019
3	A116_Biased	0.733	0.733	0.000
3	A117_Biased	0.752	0.752	0.000
3	B36_Biased	0.752	0.752	0.000
3	B37_Biased	0.752	0.752	0.000
3	C39_Biased	0.733	0.733	0.000
3	A118_Unbiased	0.733	0.733	0.000
3	A140_Unbiased	0.733	0.733	0.000
3	B38_Unbiased	0.733	0.733	0.000
3	B39_Unbiased	0.733	0.733	0.000
3	C40_Unbiased	0.733	0.733	0.000
10	A119_Biased	0.733	0.733	0.000
10	A120_Biased	0.733	0.733	0.000
10	B40_Biased	0.752	0.752	0.000
10	C41_Biased	0.733	0.733	0.000
10	C42_Biased	0.733	0.733	0.000
10	A121_Unbiased	0.752	0.752	0.000
10	A124_Unbiased	0.733	0.733	0.000
10	B41_Unbiased	0.733	0.733	0.000
10	C43_Unbiased	0.752	0.752	0.000
10	C44_Unbiased	0.733	0.733	0.000
30	A125_Biased	0.733	0.733	0.000
30	B42_Biased	0.733	0.733	0.000
30	B43_Biased	0.733	0.733	0.000
30	C45_Biased	0.733	0.733	0.000
30	C46_Biased	0.733	0.733	0.000
30	A127_Unbiased	0.752	0.752	0.000
30	B45_Unbiased	0.733	0.733	0.000
30	B47_Unbiased	0.752	0.752	0.000
30	C47_Unbiased	0.752	0.752	0.000
30	C50_Unbiased	0.752	0.752	0.000
50	A128_Biased	0.733	0.733	0.000
50	A129_Biased	0.733	0.733	0.000
50	B48_Biased	0.752	0.752	0.000
50	B49_Biased	0.733	0.733	0.000
50	C51_Biased	0.752	0.752	0.000
50	A130_Unbiased	0.733	0.733	0.000
50	A131_Unbiased	0.752	0.752	0.000
50	B50_Unbiased	0.733	0.733	0.000
50	B51_Unbiased	0.733	0.733	0.000
50	C53_Unbiased	0.752	0.752	0.000
0	106_Corr	0.733	0.733	0.000
100	A132_Biased	0.733	0.733	0.000
100	A134_Biased	0.733	0.733	0.000
100	A135_Biased	0.733	0.733	0.000
100	B52_Biased	0.733	0.733	0.000
100	B54_Biased	0.752	0.752	0.000
100	B55_Biased	0.752	0.752	0.000
100	B56_Biased	0.733	0.733	0.000
100	B57_Biased	0.733	0.733	0.000
100	B59_Biased	0.733	0.733	0.000
100	B62_Biased	0.733	0.733	0.000
100	B63_Biased	0.752	0.752	0.000
100	B64_Biased	0.752	0.752	0.000
100	B66_Biased	0.733	0.733	0.000
100	B68_Biased	0.752	0.752	0.000
100	C54_Biased	0.733	0.733	0.000
100	C55_Biased	0.733	0.733	0.000
100	C56_Biased	0.733	0.733	0.000
100	C57_Biased	0.733	0.733	0.000
100	C58_Biased	0.752	0.733	0.019
100	C59_Biased	0.733	0.733	0.000
100	C65_Biased	0.733	0.733	0.000
100	C67_Biased	0.733	0.733	0.000
100	A122_Unbiased	0.733	0.733	0.000
100	A138_Unbiased	0.733	0.733	0.000
100	A139_Unbiased	0.733	0.733	0.000
100	B60_Unbiased	0.733	0.733	0.000
100	B61_Unbiased	0.752	0.733	0.019
100	B69_Unbiased	0.733	0.733	0.000
100	B70_Unbiased	0.752	0.752	0.000
100	B71_Unbiased	0.733	0.733	0.000
100	B72_Unbiased	0.752	0.752	0.000
100	B73_Unbiased	0.733	0.733	0.000
100	B74_Unbiased	0.733	0.733	0.000
100	B77_Unbiased	0.752	0.752	0.000
100	B78_Unbiased	0.752	0.752	0.000
100	B79_Unbiased	0.733	0.733	0.000
100	B80_Unbiased	0.733	0.733	0.000
100	C70_Unbiased	0.752	0.752	0.000
100	C71_Unbiased	0.733	0.733	0.000
100	C72_Unbiased	0.733	0.733	0.000
100	C73_Unbiased	0.752	0.733	0.019
100	C75_Unbiased	0.733	0.733	0.000
100	C76_Unbiased	0.733	0.733	0.000
100	C79_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.739	0.738	0.000
	Min	0.733	0.733	-0.019
	Std Dev	0.009	0.009	0.004



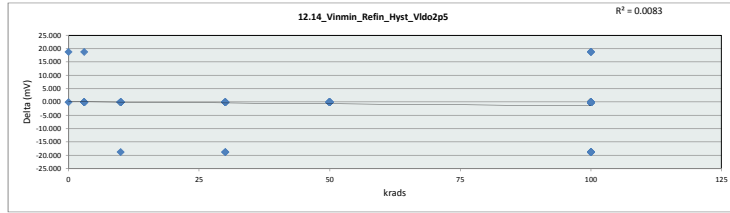
12.13_VinMin_RefinOff_Vldo2p5			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	2.3	V	
Min Limit	0	V	

krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.733	0.733	0.733	0.733	0.733	0.733
Average	0.742	0.739	0.739	0.740	0.740	0.737
Max	0.752	0.752	0.752	0.752	0.752	0.752
UL	2.300	2.300	2.300	2.300	2.300	2.300

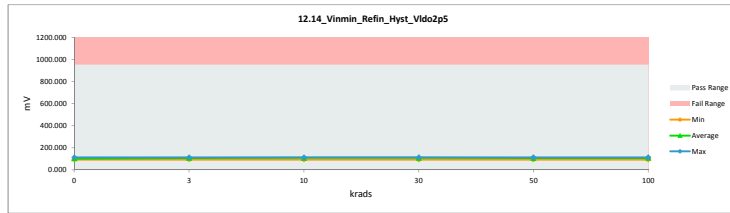


TID 100krad HDR Report
TPS7H3301-SP

12.14_Vinmin_Refin_Hyst_Vldoz				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	112.752	93.960	18.792
3	A116_Biased	112.752	112.752	0.000
3	A117_Biased	93.960	93.960	0.000
3	B36_Biased	93.960	93.960	0.000
3	B37_Biased	112.752	112.752	0.000
3	C39_Unbiased	112.752	112.752	0.000
3	A118_Unbiased	112.752	112.752	0.000
3	A140_Unbiased	112.752	112.752	0.000
3	B38_Unbiased	112.752	112.752	0.000
3	B39_Unbiased	131.544	112.752	18.792
3	C40_Unbiased	112.752	112.752	0.000
10	A119_Biased	112.752	112.752	0.000
10	A120_Biased	112.752	112.752	0.000
10	B40_Biased	93.960	93.960	0.000
10	C41_Biased	112.752	112.752	0.000
10	C42_Biased	112.752	112.752	0.000
10	A121_Unbiased	112.752	112.752	0.000
10	A124_Unbiased	112.752	112.752	0.000
10	B41_Unbiased	112.752	112.752	0.000
10	C43_Unbiased	93.960	112.752	-18.792
10	C44_Unbiased	112.752	112.752	0.000
30	A125_Biased	112.752	112.752	0.000
30	B42_Biased	112.752	112.752	0.000
30	B43_Biased	112.752	112.752	0.000
30	C45_Biased	112.752	112.752	0.000
30	C46_Biased	112.752	112.752	0.000
30	A127_Unbiased	112.752	112.752	0.000
30	B45_Unbiased	112.752	112.752	0.000
30	B47_Unbiased	93.960	112.752	-18.792
30	C47_Unbiased	93.960	112.752	-18.792
30	C50_Unbiased	93.960	93.960	0.000
50	A128_Biased	112.752	112.752	0.000
50	A129_Biased	112.752	112.752	0.000
50	B48_Biased	93.960	93.960	0.000
50	B49_Biased	112.752	112.752	0.000
50	C51_Biased	93.960	93.960	0.000
50	A130_Unbiased	112.752	112.752	0.000
50	A131_Unbiased	93.960	93.960	0.000
50	B50_Unbiased	112.752	112.752	0.000
50	B51_Unbiased	112.752	112.752	0.000
50	C53_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
100	A132_Biased	112.752	112.752	0.000
100	A134_Biased	112.752	93.960	18.792
100	A135_Biased	112.752	112.752	0.000
100	B52_Biased	112.752	112.752	0.000
100	B54_Biased	93.960	93.960	0.000
100	B55_Biased	112.752	93.960	18.792
100	B56_Biased	112.752	112.752	0.000
100	B57_Biased	112.752	112.752	0.000
100	B59_Biased	112.752	112.752	0.000
100	B62_Biased	112.752	112.752	0.000
100	B63_Biased	93.960	93.960	0.000
100	B64_Biased	93.960	93.960	0.000
100	B66_Biased	112.752	112.752	0.000
100	B68_Biased	93.960	93.960	0.000
100	C54_Biased	112.752	112.752	0.000
100	C55_Biased	112.752	112.752	0.000
100	C56_Biased	112.752	112.752	0.000
100	C57_Biased	112.752	112.752	0.000
100	C58_Biased	93.960	112.752	-18.792
100	C59_Biased	112.752	112.752	0.000
100	C65_Biased	112.752	112.752	0.000
100	C67_Biased	112.752	112.752	0.000
100	A122_Unbiased	112.752	112.752	0.000
100	A138_Unbiased	112.752	112.752	0.000
100	A139_Unbiased	112.752	112.752	0.000
100	B60_Unbiased	112.752	112.752	0.000
100	B61_Unbiased	93.960	112.752	-18.792
100	B69_Unbiased	112.752	112.752	0.000
100	B70_Unbiased	93.960	93.960	0.000
100	B71_Unbiased	112.752	112.752	0.000
100	B72_Unbiased	93.960	93.960	0.000
100	B73_Unbiased	93.960	93.960	0.000
100	B74_Unbiased	112.752	112.752	0.000
100	B77_Unbiased	93.960	112.752	-18.792
100	B78_Unbiased	93.960	93.960	0.000
100	B79_Unbiased	112.752	112.752	0.000
100	B80_Unbiased	112.752	112.752	0.000
100	C70_Unbiased	93.960	112.752	-18.792
100	C71_Unbiased	112.752	112.752	0.000
100	C72_Unbiased	112.752	112.752	0.000
100	C73_Unbiased	93.960	112.752	-18.792
100	C75_Unbiased	112.752	112.752	0.000
100	C76_Unbiased	112.752	112.752	0.000
100	C79_Unbiased	112.752	112.752	0.000
	Max	131.544	112.752	18.792
	Average	107.945	108.819	-0.874
	Min	93.960	93.960	-18.792
	Std Dev	8.737	7.690	7.006

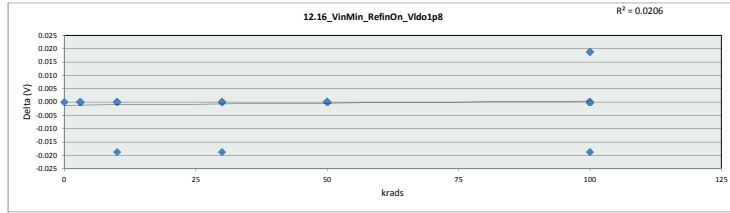


12.14_Vinmin_Refin_Hyst_Vldoz						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	93.960	93.960	93.960	93.960	93.960	93.960
Average	103.356	108.994	110.873	110.873	107.114	108.481
Max	112.752	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000	950.000

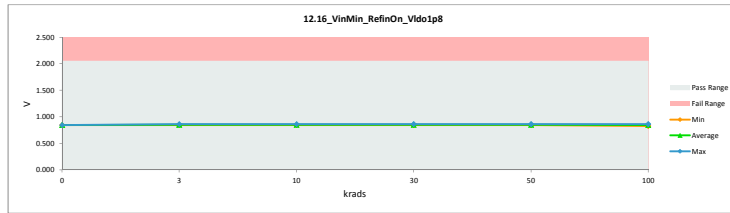


TID 100krad HDR Report
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12.16_VinMin_RefinOn_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.05	2.05		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.846	0.846	0.000
3	A116_Biased	0.846	0.846	0.000
3	A117_Biased	0.846	0.846	0.000
3	B36_Biased	0.846	0.846	0.000
3	B37_Biased	0.864	0.864	0.000
3	C39_Biased	0.846	0.846	0.000
3	A118_Unbiased	0.846	0.846	0.000
3	A140_Unbiased	0.846	0.846	0.000
3	B38_Unbiased	0.846	0.846	0.000
3	B39_Unbiased	0.846	0.846	0.000
3	C40_Unbiased	0.846	0.846	0.000
10	A119_Biased	0.846	0.846	0.000
10	A120_Biased	0.846	0.846	0.000
10	B40_Biased	0.846	0.846	0.000
10	C41_Biased	0.846	0.846	0.000
10	C42_Biased	0.846	0.846	0.000
10	A121_Unbiased	0.864	0.864	0.000
10	A124_Unbiased	0.846	0.846	0.000
10	B41_Unbiased	0.846	0.846	0.000
10	C43_Unbiased	0.846	0.864	-0.019
10	C44_Unbiased	0.846	0.846	0.000
30	A125_Biased	0.846	0.846	0.000
30	B42_Biased	0.846	0.846	0.000
30	B43_Biased	0.846	0.846	0.000
30	C45_Biased	0.846	0.846	0.000
30	C46_Biased	0.846	0.846	0.000
30	A127_Unbiased	0.864	0.864	0.000
30	B45_Unbiased	0.846	0.846	0.000
30	B47_Unbiased	0.846	0.864	-0.019
30	C47_Unbiased	0.846	0.846	0.000
30	C50_Unbiased	0.846	0.846	0.000
50	A128_Biased	0.846	0.846	0.000
50	A129_Biased	0.846	0.846	0.000
50	B48_Biased	0.846	0.846	0.000
50	B49_Biased	0.846	0.846	0.000
50	C51_Biased	0.846	0.846	0.000
50	A130_Unbiased	0.846	0.846	0.000
50	A131_Unbiased	0.846	0.846	0.000
50	B50_Unbiased	0.846	0.846	0.000
50	B51_Unbiased	0.846	0.846	0.000
50	C53_Unbiased	0.864	0.864	0.000
0	106_Corr	0.846	0.846	0.000
100	A132_Biased	0.846	0.846	0.000
100	A134_Biased	0.846	0.827	0.019
100	A135_Biased	0.846	0.846	0.000
100	B52_Biased	0.846	0.846	0.000
100	B54_Biased	0.846	0.846	0.000
100	B55_Biased	0.864	0.846	0.019
100	B56_Biased	0.846	0.846	0.000
100	B57_Biased	0.846	0.846	0.000
100	B59_Biased	0.846	0.846	0.000
100	B62_Biased	0.846	0.846	0.000
100	B63_Biased	0.846	0.846	0.000
100	B64_Biased	0.846	0.846	0.000
100	B66_Biased	0.846	0.846	0.000
100	B68_Biased	0.846	0.846	0.000
100	C54_Biased	0.846	0.846	0.000
100	C55_Biased	0.846	0.846	0.000
100	C56_Biased	0.846	0.846	0.000
100	C57_Biased	0.846	0.846	0.000
100	C58_Biased	0.846	0.846	0.000
100	C59_Biased	0.846	0.846	0.000
100	C65_Biased	0.846	0.846	0.000
100	C67_Biased	0.846	0.846	0.000
100	A122_Unbiased	0.846	0.846	0.000
100	A138_Unbiased	0.846	0.846	0.000
100	A139_Unbiased	0.846	0.846	0.000
100	B60_Unbiased	0.846	0.846	0.000
100	B61_Unbiased	0.846	0.846	0.000
100	B69_Unbiased	0.846	0.846	0.000
100	B70_Unbiased	0.846	0.846	0.000
100	B71_Unbiased	0.846	0.846	0.000
100	B72_Unbiased	0.846	0.846	0.000
100	B73_Unbiased	0.827	0.827	0.000
100	B74_Unbiased	0.846	0.846	0.000
100	B77_Unbiased	0.846	0.864	-0.019
100	B78_Unbiased	0.846	0.846	0.000
100	B79_Unbiased	0.846	0.846	0.000
100	B80_Unbiased	0.846	0.846	0.000
100	C70_Unbiased	0.846	0.846	0.000
100	C71_Unbiased	0.846	0.846	0.000
100	C72_Unbiased	0.846	0.846	0.000
100	C73_Unbiased	0.846	0.846	0.000
100	C75_Unbiased	0.846	0.846	0.000
100	C76_Unbiased	0.846	0.846	0.000
100	C79_Unbiased	0.846	0.846	0.000
	Max	0.864	0.864	0.019
	Average	0.846	0.847	0.000
	Min	0.827	0.827	-0.019
	Std Dev	0.005	0.006	0.005

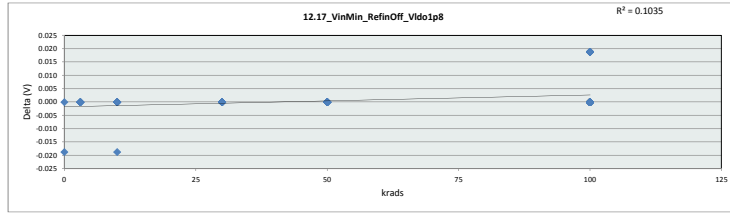


12.16_VinMin_RefinOn_Vldo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.05	V				
Min Limit	0	V				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.846	0.846	0.846	0.846	0.846	0.827
Average	0.846	0.847	0.849	0.849	0.847	0.845
Max	0.846	0.864	0.864	0.864	0.864	0.864
UL	2.050	2.050	2.050	2.050	2.050	2.050

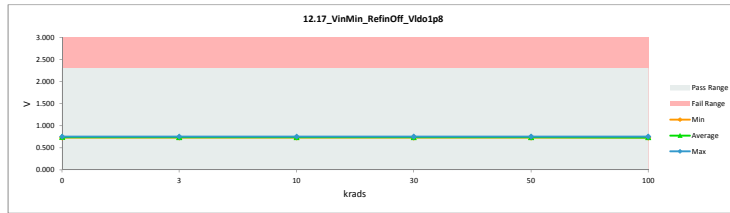


TID 100krad HDR Report
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12.17_VinMin_RefinOff_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.3	2.3		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.733	0.752	-0.019
3	A116_Biased	0.733	0.733	0.000
3	A117_Biased	0.752	0.752	0.000
3	B36_Biased	0.752	0.752	0.000
3	B37_Biased	0.752	0.752	0.000
3	C39_Unbiased	0.733	0.733	0.000
3	A118_Unbiased	0.733	0.733	0.000
3	A140_Unbiased	0.733	0.733	0.000
3	B38_Unbiased	0.733	0.733	0.000
3	B39_Unbiased	0.733	0.733	0.000
3	C40_Unbiased	0.733	0.733	0.000
10	A119_Biased	0.733	0.733	0.000
10	A120_Biased	0.733	0.733	0.000
10	B40_Biased	0.733	0.752	-0.019
10	C41_Biased	0.733	0.733	0.000
10	C42_Biased	0.733	0.733	0.000
10	A121_Unbiased	0.752	0.752	0.000
10	A124_Unbiased	0.733	0.733	0.000
10	B41_Unbiased	0.733	0.733	0.000
10	C43_Unbiased	0.752	0.752	0.000
10	C44_Unbiased	0.733	0.733	0.000
30	A125_Biased	0.733	0.733	0.000
30	B42_Biased	0.733	0.733	0.000
30	B43_Biased	0.733	0.733	0.000
30	C45_Biased	0.733	0.733	0.000
30	C46_Biased	0.733	0.733	0.000
30	A127_Unbiased	0.752	0.752	0.000
30	B45_Unbiased	0.733	0.733	0.000
30	B47_Unbiased	0.752	0.752	0.000
30	C47_Unbiased	0.752	0.752	0.000
30	C50_Unbiased	0.752	0.752	0.000
50	A128_Biased	0.733	0.733	0.000
50	A129_Biased	0.733	0.733	0.000
50	B48_Biased	0.752	0.752	0.000
50	B49_Biased	0.733	0.733	0.000
50	C51_Biased	0.752	0.752	0.000
50	A130_Unbiased	0.733	0.733	0.000
50	A131_Unbiased	0.752	0.752	0.000
50	B50_Unbiased	0.733	0.733	0.000
50	B51_Unbiased	0.733	0.733	0.000
50	C53_Unbiased	0.752	0.752	0.000
0	106_Corr	0.733	0.733	0.000
100	A132_Biased	0.733	0.733	0.000
100	A134_Biased	0.733	0.733	0.000
100	A135_Biased	0.733	0.733	0.000
100	B52_Biased	0.733	0.733	0.000
100	B54_Biased	0.752	0.752	0.000
100	B55_Biased	0.752	0.752	0.000
100	B56_Biased	0.733	0.733	0.000
100	B57_Biased	0.733	0.733	0.000
100	B59_Biased	0.733	0.733	0.000
100	B62_Biased	0.733	0.733	0.000
100	B63_Biased	0.752	0.752	0.000
100	B64_Biased	0.752	0.752	0.000
100	B66_Biased	0.752	0.733	0.019
100	B68_Biased	0.752	0.733	0.019
100	C54_Biased	0.733	0.733	0.000
100	C55_Biased	0.733	0.733	0.000
100	C56_Biased	0.733	0.733	0.000
100	C57_Biased	0.733	0.733	0.000
100	C58_Biased	0.752	0.733	0.019
100	C59_Biased	0.733	0.733	0.000
100	C65_Biased	0.733	0.733	0.000
100	C67_Biased	0.733	0.733	0.000
100	A122_Unbiased	0.733	0.733	0.000
100	A138_Unbiased	0.733	0.733	0.000
100	A139_Unbiased	0.733	0.733	0.000
100	B60_Unbiased	0.733	0.733	0.000
100	B61_Unbiased	0.752	0.733	0.019
100	B69_Unbiased	0.733	0.733	0.000
100	B70_Unbiased	0.752	0.752	0.000
100	B71_Unbiased	0.733	0.733	0.000
100	B72_Unbiased	0.752	0.752	0.000
100	B73_Unbiased	0.733	0.733	0.000
100	B74_Unbiased	0.733	0.733	0.000
100	B77_Unbiased	0.752	0.752	0.000
100	B78_Unbiased	0.752	0.752	0.000
100	B79_Unbiased	0.733	0.733	0.000
100	B80_Unbiased	0.733	0.733	0.000
100	C70_Unbiased	0.752	0.733	0.019
100	C71_Unbiased	0.733	0.733	0.000
100	C72_Unbiased	0.733	0.733	0.000
100	C73_Unbiased	0.752	0.733	0.019
100	C75_Unbiased	0.733	0.733	0.000
100	C76_Unbiased	0.733	0.733	0.000
100	C79_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.739	0.738	0.001
	Min	0.733	0.733	-0.019
	Std Dev	0.009	0.008	0.006

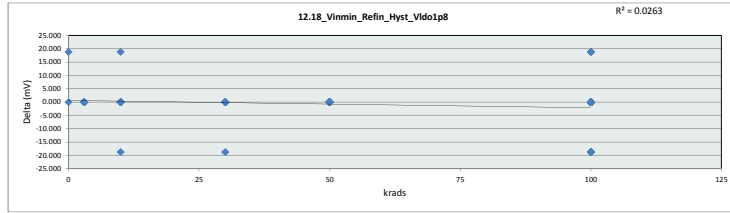


12.17_VinMin_RefinOff_Vldo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.3	V				
Min Limit	0	V				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.733	0.733	0.733	0.733	0.733	0.733
Average	0.742	0.739	0.739	0.740	0.740	0.736
Max	0.752	0.752	0.752	0.752	0.752	0.752
UL	2.300	2.300	2.300	2.300	2.300	2.300

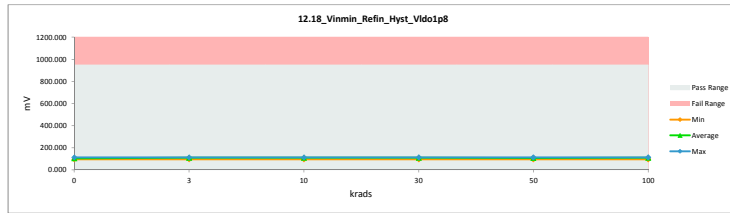


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12.18_Vinmin_Refin_Hyst_Vldo8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	112.752	93.960	18.792
3	A116_Biased	112.752	112.752	0.000
3	A117_Biased	93.960	93.960	0.000
3	B36_Biased	93.960	93.960	0.000
3	B37_Biased	112.752	112.752	0.000
3	C39_Biased	112.752	112.752	0.000
3	A118_Unbiased	112.752	112.752	0.000
3	A140_Unbiased	112.752	112.752	0.000
3	B38_Unbiased	112.752	112.752	0.000
3	B39_Unbiased	112.752	112.752	0.000
3	C40_Unbiased	112.752	112.752	0.000
10	A119_Biased	112.752	112.752	0.000
10	A120_Biased	112.752	112.752	0.000
10	B40_Biased	112.752	93.960	18.792
10	C41_Biased	112.752	112.752	0.000
10	C42_Biased	112.752	112.752	0.000
10	A121_Unbiased	112.752	112.752	0.000
10	A124_Unbiased	112.752	112.752	0.000
10	B41_Unbiased	112.752	112.752	0.000
10	C43_Unbiased	93.960	112.752	-18.792
10	C44_Unbiased	112.752	112.752	0.000
30	A125_Biased	112.752	112.752	0.000
30	B42_Biased	112.752	112.752	0.000
30	B43_Biased	112.752	112.752	0.000
30	C45_Biased	112.752	112.752	0.000
30	C46_Biased	112.752	112.752	0.000
30	A127_Unbiased	112.752	112.752	0.000
30	B45_Unbiased	112.752	112.752	0.000
30	B47_Unbiased	93.960	112.752	-18.792
30	C47_Unbiased	93.960	93.960	0.000
30	C50_Unbiased	93.960	93.960	0.000
50	A128_Biased	112.752	112.752	0.000
50	A129_Biased	112.752	112.752	0.000
50	B48_Biased	93.960	93.960	0.000
50	B49_Biased	112.752	112.752	0.000
50	C51_Biased	93.960	93.960	0.000
50	A130_Unbiased	112.752	112.752	0.000
50	A131_Unbiased	93.960	93.960	0.000
50	B50_Unbiased	112.752	112.752	0.000
50	B51_Unbiased	112.752	112.752	0.000
50	C53_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
100	A132_Biased	112.752	112.752	0.000
100	A134_Biased	112.752	93.960	18.792
100	A135_Biased	112.752	112.752	0.000
100	B52_Biased	112.752	112.752	0.000
100	B54_Biased	93.960	93.960	0.000
100	B55_Biased	112.752	93.960	18.792
100	B56_Biased	112.752	112.752	0.000
100	B57_Biased	112.752	112.752	0.000
100	B59_Biased	112.752	112.752	0.000
100	B62_Biased	112.752	112.752	0.000
100	B63_Biased	93.960	93.960	0.000
100	B64_Biased	93.960	93.960	0.000
100	B66_Biased	93.960	112.752	-18.792
100	B68_Biased	93.960	112.752	-18.792
100	C54_Biased	112.752	112.752	0.000
100	C55_Biased	112.752	112.752	0.000
100	C56_Biased	112.752	112.752	0.000
100	C57_Biased	112.752	112.752	0.000
100	C58_Biased	93.960	112.752	-18.792
100	C59_Biased	112.752	112.752	0.000
100	C65_Biased	112.752	112.752	0.000
100	C67_Biased	112.752	112.752	0.000
100	A122_Unbiased	112.752	112.752	0.000
100	A138_Unbiased	112.752	112.752	0.000
100	A139_Unbiased	112.752	112.752	0.000
100	B60_Unbiased	112.752	112.752	0.000
100	B61_Unbiased	93.960	112.752	-18.792
100	B69_Unbiased	112.752	112.752	0.000
100	B70_Unbiased	93.960	93.960	0.000
100	B71_Unbiased	112.752	112.752	0.000
100	B72_Unbiased	93.960	93.960	0.000
100	B73_Unbiased	93.960	93.960	0.000
100	B74_Unbiased	112.752	112.752	0.000
100	B77_Unbiased	93.960	112.752	-18.792
100	B78_Unbiased	93.960	93.960	0.000
100	B79_Unbiased	112.752	112.752	0.000
100	B80_Unbiased	112.752	112.752	0.000
100	C70_Unbiased	93.960	112.752	-18.792
100	C71_Unbiased	112.752	112.752	0.000
100	C72_Unbiased	112.752	112.752	0.000
100	C73_Unbiased	93.960	112.752	-18.792
100	C75_Unbiased	112.752	112.752	0.000
100	C76_Unbiased	112.752	112.752	0.000
100	C79_Unbiased	112.752	112.752	0.000
	Max	112.752	112.752	18.792
	Average	107.726	108.819	-1.093
	Min	93.960	93.960	-18.792
	Std Dev	8.367	7.690	7.266



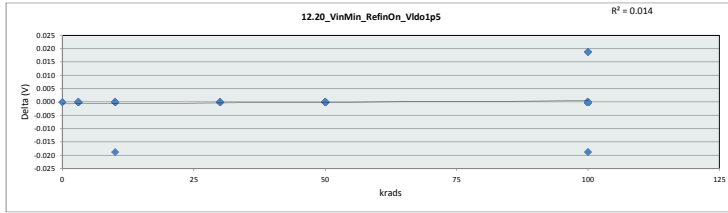
12.18_Vinmin_Refin_Hyst_Vldo8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	950					
Min Limit	0					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	93.960	93.960	93.960	93.960	93.960	93.960
Average	103.356	108.994	110.873	108.994	107.114	108.908
Max	112.752	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000	950.000



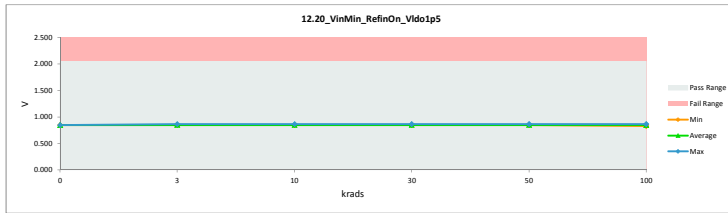
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12_20_VinMin_RefinOn_Vldo1p5		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	2.05	2.05
Min Limit	0	0

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.846	0.846	0.000
3	A116_Biased	0.846	0.846	0.000
3	A117_Biased	0.846	0.846	0.000
3	B36_Biased	0.846	0.846	0.000
3	B37_Biased	0.864	0.864	0.000
3	C39_Biased	0.846	0.846	0.000
3	A118_Unbiased	0.846	0.846	0.000
3	A140_Unbiased	0.846	0.846	0.000
3	B38_Unbiased	0.846	0.846	0.000
3	B39_Unbiased	0.846	0.846	0.000
3	C40_Unbiased	0.846	0.846	0.000
10	A119_Biased	0.846	0.846	0.000
10	A120_Biased	0.846	0.846	0.000
10	B40_Biased	0.846	0.846	0.000
10	C41_Biased	0.846	0.846	0.000
10	C42_Biased	0.846	0.846	0.000
10	A121_Unbiased	0.846	0.846	0.000
10	A124_Unbiased	0.846	0.846	0.000
10	B41_Unbiased	0.846	0.846	0.000
10	C43_Unbiased	0.846	0.864	-0.019
10	C44_Unbiased	0.846	0.846	0.000
30	A125_Biased	0.846	0.846	0.000
30	B42_Biased	0.846	0.846	0.000
30	B43_Biased	0.846	0.846	0.000
30	C45_Biased	0.846	0.846	0.000
30	C46_Biased	0.846	0.846	0.000
30	A127_Unbiased	0.864	0.864	0.000
30	B45_Unbiased	0.846	0.846	0.000
30	B47_Unbiased	0.846	0.846	0.000
30	C47_Unbiased	0.846	0.846	0.000
30	C50_Unbiased	0.846	0.846	0.000
50	A128_Biased	0.846	0.846	0.000
50	A129_Biased	0.846	0.846	0.000
50	B48_Biased	0.846	0.846	0.000
50	B49_Biased	0.846	0.846	0.000
50	C51_Biased	0.846	0.846	0.000
50	A130_Unbiased	0.846	0.846	0.000
50	A131_Unbiased	0.846	0.846	0.000
50	B50_Unbiased	0.846	0.846	0.000
50	B51_Unbiased	0.846	0.846	0.000
50	C53_Unbiased	0.864	0.864	0.000
0	106_Corr	0.846	0.846	0.000
100	A132_Biased	0.846	0.846	0.000
100	A134_Biased	0.846	0.827	0.019
100	A135_Biased	0.846	0.846	0.000
100	B52_Biased	0.846	0.846	0.000
100	B54_Biased	0.846	0.846	0.000
100	B55_Biased	0.864	0.846	0.019
100	B56_Biased	0.846	0.846	0.000
100	B57_Biased	0.846	0.846	0.000
100	B59_Biased	0.846	0.846	0.000
100	B62_Biased	0.846	0.846	0.000
100	B63_Biased	0.846	0.846	0.000
100	B64_Biased	0.846	0.846	0.000
100	B66_Biased	0.846	0.846	0.000
100	B68_Biased	0.846	0.846	0.000
100	C54_Biased	0.846	0.846	0.000
100	C55_Biased	0.846	0.846	0.000
100	C56_Biased	0.846	0.846	0.000
100	C57_Biased	0.846	0.846	0.000
100	C58_Biased	0.846	0.846	0.000
100	C59_Biased	0.846	0.846	0.000
100	C65_Biased	0.846	0.846	0.000
100	C67_Biased	0.846	0.846	0.000
100	A122_Unbiased	0.846	0.846	0.000
100	A138_Unbiased	0.846	0.846	0.000
100	A139_Unbiased	0.846	0.846	0.000
100	B60_Unbiased	0.846	0.846	0.000
100	B61_Unbiased	0.846	0.846	0.000
100	B69_Unbiased	0.846	0.846	0.000
100	B70_Unbiased	0.846	0.846	0.000
100	B71_Unbiased	0.846	0.846	0.000
100	B72_Unbiased	0.846	0.846	0.000
100	B73_Unbiased	0.827	0.827	0.000
100	B74_Unbiased	0.846	0.846	0.000
100	B77_Unbiased	0.846	0.864	-0.019
100	B78_Unbiased	0.846	0.846	0.000
100	B79_Unbiased	0.846	0.846	0.000
100	B80_Unbiased	0.846	0.846	0.000
100	C70_Unbiased	0.846	0.846	0.000
100	C71_Unbiased	0.846	0.846	0.000
100	C72_Unbiased	0.846	0.846	0.000
100	C73_Unbiased	0.846	0.846	0.000
100	C75_Unbiased	0.846	0.846	0.000
100	C76_Unbiased	0.846	0.846	0.000
100	C79_Unbiased	0.846	0.846	0.000
	Max	0.864	0.864	0.019
	Average	0.846	0.846	0.000
	Min	0.827	0.827	-0.019
	Std Dev	0.005	0.006	0.004



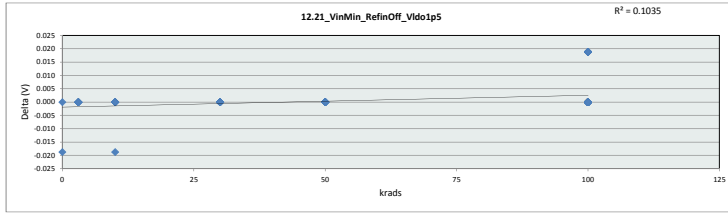
12.20_VinMin_RefinOn_Vldo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.05 V					
Min Limit	0 V					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.846	0.846	0.846	0.846	0.846	0.827
Average	0.846	0.847	0.849	0.847	0.847	0.845
Max	0.846	0.864	0.864	0.864	0.864	0.864
UL	2.050	2.050	2.050	2.050	2.050	2.050



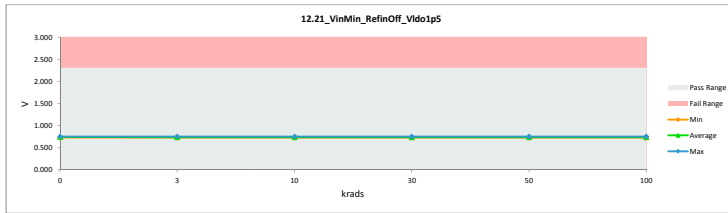
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12.21_VinMin_RefinOff_Vldo1p5			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	2.3	2.3	
Min Limit	0	0	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.733	0.752	-0.019
3	A116_Biased	0.733	0.733	0.000
3	A117_Biased	0.752	0.752	0.000
3	B36_Biased	0.752	0.752	0.000
3	B37_Biased	0.752	0.752	0.000
3	C39_Biased	0.733	0.733	0.000
3	A118_Unbiased	0.733	0.733	0.000
3	A140_Unbiased	0.733	0.733	0.000
3	B38_Unbiased	0.733	0.733	0.000
3	B39_Unbiased	0.733	0.733	0.000
3	C40_Unbiased	0.733	0.733	0.000
10	A119_Biased	0.733	0.733	0.000
10	A120_Biased	0.733	0.733	0.000
10	B40_Biased	0.733	0.752	-0.019
10	C41_Biased	0.733	0.733	0.000
10	C42_Biased	0.733	0.733	0.000
10	A121_Unbiased	0.752	0.752	0.000
10	A124_Unbiased	0.733	0.733	0.000
10	B41_Unbiased	0.733	0.733	0.000
10	C43_Unbiased	0.752	0.752	0.000
10	C44_Unbiased	0.733	0.733	0.000
30	A125_Biased	0.733	0.733	0.000
30	B42_Biased	0.733	0.733	0.000
30	B43_Biased	0.733	0.733	0.000
30	C45_Biased	0.733	0.733	0.000
30	C46_Biased	0.733	0.733	0.000
30	A127_Unbiased	0.752	0.752	0.000
30	B45_Unbiased	0.733	0.733	0.000
30	B47_Unbiased	0.752	0.752	0.000
30	C47_Unbiased	0.752	0.752	0.000
30	C50_Unbiased	0.752	0.752	0.000
50	A128_Biased	0.733	0.733	0.000
50	A129_Biased	0.733	0.733	0.000
50	B48_Biased	0.752	0.752	0.000
50	B49_Biased	0.733	0.733	0.000
50	C51_Biased	0.752	0.752	0.000
50	A130_Unbiased	0.733	0.733	0.000
50	A131_Unbiased	0.752	0.752	0.000
50	B50_Unbiased	0.733	0.733	0.000
50	B51_Unbiased	0.733	0.733	0.000
50	C53_Unbiased	0.752	0.752	0.000
0	106_Corr	0.733	0.733	0.000
100	A132_Biased	0.733	0.733	0.000
100	A134_Biased	0.733	0.733	0.000
100	A135_Biased	0.733	0.733	0.000
100	B52_Biased	0.733	0.733	0.000
100	B54_Biased	0.752	0.752	0.000
100	B55_Biased	0.752	0.752	0.000
100	B56_Biased	0.733	0.733	0.000
100	B57_Biased	0.733	0.733	0.000
100	B59_Biased	0.733	0.733	0.000
100	B62_Biased	0.733	0.733	0.000
100	B63_Biased	0.752	0.752	0.000
100	B64_Biased	0.752	0.752	0.000
100	B66_Biased	0.752	0.733	0.019
100	B68_Biased	0.752	0.733	0.019
100	C54_Biased	0.733	0.733	0.000
100	C55_Biased	0.733	0.733	0.000
100	C56_Biased	0.733	0.733	0.000
100	C57_Biased	0.733	0.733	0.000
100	C58_Biased	0.752	0.733	0.019
100	C59_Biased	0.733	0.733	0.000
100	C65_Biased	0.733	0.733	0.000
100	C67_Biased	0.733	0.733	0.000
100	A122_Unbiased	0.733	0.733	0.000
100	A138_Unbiased	0.733	0.733	0.000
100	A139_Unbiased	0.733	0.733	0.000
100	B60_Unbiased	0.733	0.733	0.000
100	B61_Unbiased	0.752	0.733	0.019
100	B69_Unbiased	0.733	0.733	0.000
100	B70_Unbiased	0.752	0.752	0.000
100	B71_Unbiased	0.733	0.733	0.000
100	B72_Unbiased	0.752	0.752	0.000
100	B73_Unbiased	0.733	0.733	0.000
100	B74_Unbiased	0.733	0.733	0.000
100	B77_Unbiased	0.752	0.752	0.000
100	B78_Unbiased	0.752	0.752	0.000
100	B79_Unbiased	0.733	0.733	0.000
100	B80_Unbiased	0.733	0.733	0.000
100	C70_Unbiased	0.752	0.733	0.019
100	C71_Unbiased	0.733	0.733	0.000
100	C72_Unbiased	0.733	0.733	0.000
100	C73_Unbiased	0.752	0.733	0.019
100	C75_Unbiased	0.733	0.733	0.000
100	C76_Unbiased	0.733	0.733	0.000
100	C79_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.739	0.738	0.001
	Min	0.733	0.733	-0.019
	Std Dev	0.009	0.008	0.006

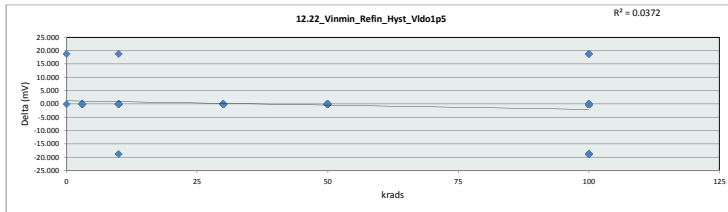


12.21_VinMin_RefinOff_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	2.3	V				
Min Limit	0	V				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.733	0.733	0.733	0.733	0.733	0.733
Average	0.742	0.739	0.739	0.740	0.740	0.736
Max	0.752	0.752	0.752	0.752	0.752	0.752
UL	2.300	2.300	2.300	2.300	2.300	2.300

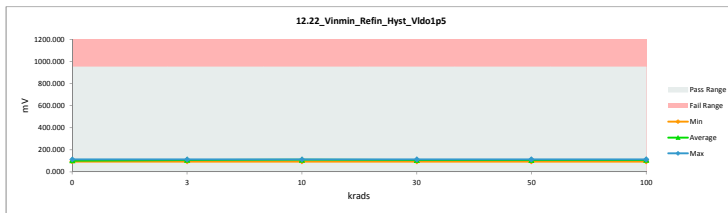


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12.22_Vinmin_Refin_Hyst_Vldo5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	112.752	93.960	18.792
3	A116_Biased	112.752	112.752	0.000
3	A117_Biased	93.960	93.960	0.000
3	B36_Biased	93.960	93.960	0.000
3	B37_Biased	112.752	112.752	0.000
3	C39_Unbiased	112.752	112.752	0.000
3	A118_Unbiased	112.752	112.752	0.000
3	A140_Unbiased	112.752	112.752	0.000
3	B38_Unbiased	112.752	112.752	0.000
3	B39_Unbiased	112.752	112.752	0.000
3	C40_Unbiased	112.752	112.752	0.000
10	A119_Biased	112.752	112.752	0.000
10	A120_Biased	112.752	112.752	0.000
10	B40_Biased	112.752	93.960	18.792
10	C41_Biased	112.752	112.752	0.000
10	C42_Biased	112.752	112.752	0.000
10	A121_Unbiased	112.752	112.752	0.000
10	A124_Unbiased	112.752	112.752	0.000
10	B41_Unbiased	112.752	112.752	0.000
10	C43_Unbiased	93.960	112.752	-18.792
10	C44_Unbiased	112.752	112.752	0.000
30	A125_Biased	112.752	112.752	0.000
30	B42_Biased	112.752	112.752	0.000
30	B43_Biased	112.752	112.752	0.000
30	C45_Biased	112.752	112.752	0.000
30	C46_Biased	112.752	112.752	0.000
30	A127_Unbiased	112.752	112.752	0.000
30	B45_Unbiased	112.752	112.752	0.000
30	B47_Unbiased	93.960	93.960	0.000
30	C47_Unbiased	93.960	93.960	0.000
30	C50_Unbiased	93.960	93.960	0.000
50	A128_Biased	112.752	112.752	0.000
50	A129_Biased	112.752	112.752	0.000
50	B48_Biased	93.960	93.960	0.000
50	B49_Biased	112.752	112.752	0.000
50	C51_Biased	93.960	93.960	0.000
50	A130_Unbiased	112.752	112.752	0.000
50	A131_Unbiased	93.960	93.960	0.000
50	B50_Unbiased	112.752	112.752	0.000
50	B51_Unbiased	112.752	112.752	0.000
50	C53_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
100	A132_Biased	112.752	112.752	0.000
100	A134_Biased	112.752	93.960	18.792
100	A135_Biased	112.752	112.752	0.000
100	B52_Biased	112.752	112.752	0.000
100	B54_Biased	93.960	93.960	0.000
100	B55_Biased	112.752	93.960	18.792
100	B56_Biased	112.752	112.752	0.000
100	B57_Biased	112.752	112.752	0.000
100	B59_Biased	112.752	112.752	0.000
100	B62_Biased	112.752	112.752	0.000
100	B63_Biased	93.960	93.960	0.000
100	B64_Biased	93.960	93.960	0.000
100	B66_Biased	93.960	112.752	-18.792
100	B68_Biased	93.960	112.752	-18.792
100	C54_Biased	112.752	112.752	0.000
100	C55_Biased	112.752	112.752	0.000
100	C56_Biased	112.752	112.752	0.000
100	C57_Biased	112.752	112.752	0.000
100	C58_Biased	93.960	112.752	-18.792
100	C59_Biased	112.752	112.752	0.000
100	C65_Biased	112.752	112.752	0.000
100	C67_Biased	112.752	112.752	0.000
100	A122_Unbiased	112.752	112.752	0.000
100	A138_Unbiased	112.752	112.752	0.000
100	A139_Unbiased	112.752	112.752	0.000
100	B60_Unbiased	112.752	112.752	0.000
100	B61_Unbiased	93.960	112.752	-18.792
100	B69_Unbiased	112.752	112.752	0.000
100	B70_Unbiased	93.960	93.960	0.000
100	B71_Unbiased	112.752	112.752	0.000
100	B72_Unbiased	93.960	93.960	0.000
100	B73_Unbiased	93.960	93.960	0.000
100	B74_Unbiased	112.752	112.752	0.000
100	B77_Unbiased	93.960	112.752	-18.792
100	B78_Unbiased	93.960	93.960	0.000
100	B79_Unbiased	112.752	112.752	0.000
100	B80_Unbiased	112.752	112.752	0.000
100	C70_Unbiased	93.960	112.752	-18.792
100	C71_Unbiased	112.752	112.752	0.000
100	C72_Unbiased	112.752	112.752	0.000
100	C73_Unbiased	93.960	112.752	-18.792
100	C75_Unbiased	112.752	112.752	0.000
100	C76_Unbiased	112.752	112.752	0.000
100	C79_Unbiased	112.752	112.752	0.000
Max	112.752	112.752	18.792	
Average	107.726	108.600	-0.874	
Min	93.960	93.960	-18.792	
Std Dev	8.367	7.842	7.006	



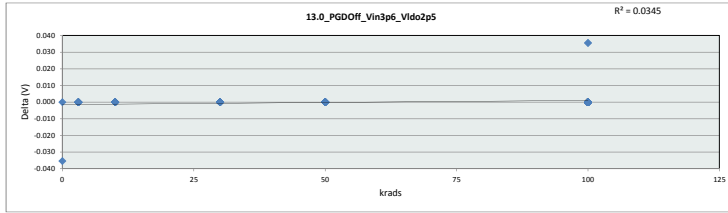
12.22_Vinmin_Refin_Hyst_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	93.960	93.960	93.960	93.960	93.960	93.960
Average	103.356	108.994	110.873	107.114	107.114	108.908
Max	112.752	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000	950.000



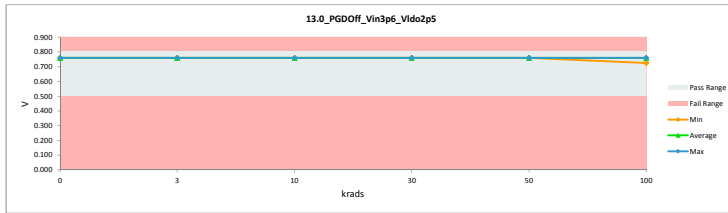
TID 100krad HDR Report
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13.0_PGDOFF_Vin3p6_VIdo2p5			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.8	0.8	
Min Limit	0.5	0.5	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.760	0.760	0.000
3	A116_Biased	0.760	0.760	0.000
3	A117_Biased	0.760	0.760	0.000
3	B36_Biased	0.760	0.760	0.000
3	B37_Biased	0.760	0.760	0.000
3	C39_Biased	0.760	0.760	0.000
3	A118_Unbiased	0.760	0.760	0.000
3	A140_Unbiased	0.760	0.760	0.000
3	B38_Unbiased	0.760	0.760	0.000
3	B39_Unbiased	0.760	0.760	0.000
3	C40_Unbiased	0.760	0.760	0.000
10	A119_Biased	0.760	0.760	0.000
10	A120_Biased	0.760	0.760	0.000
10	B40_Biased	0.760	0.760	0.000
10	C41_Biased	0.760	0.760	0.000
10	C42_Biased	0.760	0.760	0.000
10	A121_Unbiased	0.760	0.760	0.000
10	A124_Unbiased	0.760	0.760	0.000
10	B41_Unbiased	0.760	0.760	0.000
10	C43_Unbiased	0.760	0.760	0.000
10	C44_Unbiased	0.760	0.760	0.000
30	A125_Biased	0.760	0.760	0.000
30	B42_Biased	0.760	0.760	0.000
30	B43_Biased	0.760	0.760	0.000
30	C45_Biased	0.760	0.760	0.000
30	C46_Biased	0.760	0.760	0.000
30	A127_Unbiased	0.760	0.760	0.000
30	B45_Unbiased	0.760	0.760	0.000
30	B47_Unbiased	0.760	0.760	0.000
30	C47_Unbiased	0.760	0.760	0.000
30	C50_Unbiased	0.760	0.760	0.000
50	A128_Biased	0.760	0.760	0.000
50	A129_Biased	0.760	0.760	0.000
50	B48_Biased	0.760	0.760	0.000
50	B49_Biased	0.760	0.760	0.000
50	C51_Biased	0.760	0.760	0.000
50	A130_Unbiased	0.760	0.760	0.000
50	A131_Unbiased	0.760	0.760	0.000
50	B50_Unbiased	0.760	0.760	0.000
50	B51_Unbiased	0.760	0.760	0.000
50	C53_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.760	-0.035
100	A132_Biased	0.760	0.760	0.000
100	A134_Biased	0.760	0.725	0.035
100	A135_Biased	0.760	0.760	0.000
100	B52_Biased	0.760	0.760	0.000
100	B54_Biased	0.760	0.760	0.000
100	B55_Biased	0.760	0.760	0.000
100	B56_Biased	0.760	0.760	0.000
100	B57_Biased	0.760	0.760	0.000
100	B59_Biased	0.760	0.760	0.000
100	B62_Biased	0.760	0.760	0.000
100	B63_Biased	0.760	0.760	0.000
100	B64_Biased	0.760	0.760	0.000
100	B66_Biased	0.760	0.760	0.000
100	B68_Biased	0.760	0.760	0.000
100	C54_Biased	0.760	0.760	0.000
100	C55_Biased	0.760	0.760	0.000
100	C56_Biased	0.760	0.760	0.000
100	C57_Biased	0.760	0.760	0.000
100	C58_Biased	0.760	0.760	0.000
100	C59_Biased	0.760	0.760	0.000
100	C65_Biased	0.760	0.760	0.000
100	C67_Biased	0.760	0.760	0.000
100	A122_Unbiased	0.760	0.760	0.000
100	A138_Unbiased	0.760	0.760	0.000
100	A139_Unbiased	0.760	0.760	0.000
100	B60_Unbiased	0.760	0.760	0.000
100	B61_Unbiased	0.760	0.760	0.000
100	B69_Unbiased	0.760	0.760	0.000
100	B70_Unbiased	0.760	0.760	0.000
100	B71_Unbiased	0.760	0.760	0.000
100	B72_Unbiased	0.760	0.760	0.000
100	B73_Unbiased	0.760	0.760	0.000
100	B74_Unbiased	0.760	0.760	0.000
100	B77_Unbiased	0.760	0.760	0.000
100	B78_Unbiased	0.760	0.760	0.000
100	B79_Unbiased	0.760	0.760	0.000
100	B80_Unbiased	0.760	0.760	0.000
100	C70_Unbiased	0.760	0.760	0.000
100	C71_Unbiased	0.760	0.760	0.000
100	C72_Unbiased	0.760	0.760	0.000
100	C73_Unbiased	0.760	0.760	0.000
100	C75_Unbiased	0.760	0.760	0.000
100	C76_Unbiased	0.760	0.760	0.000
100	C79_Unbiased	0.760	0.760	0.000
	Max	0.760	0.760	0.035
	Average	0.760	0.760	0.000
	Min	0.725	0.725	-0.035
	Std Dev	0.004	0.004	0.005



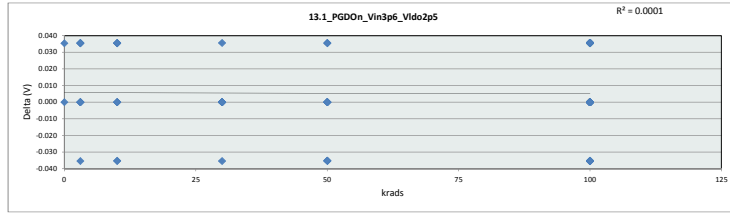
13.0_PGDOFF_Vin3p6_VIdo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.8 V					
Min Limit	0.5 V					
krads	0	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.760	0.760	0.760	0.760	0.760	0.725
Average	0.760	0.760	0.760	0.760	0.760	0.759
Max	0.760	0.760	0.760	0.760	0.760	0.760
UL	0.800	0.800	0.800	0.800	0.800	0.800



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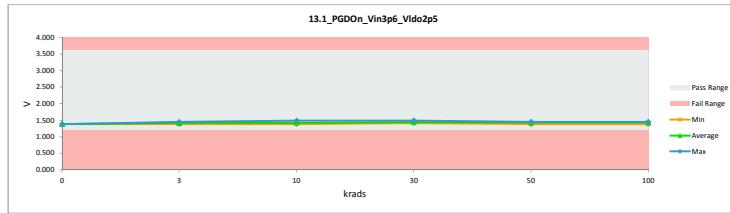
13.1_PGDOn_Vin3p6_VIdo2p5			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	3.6	3.6	
Min Limit	1.2	1.2	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.414	1.379	0.035
3	A116_Biased	1.414	1.449	-0.035
3	A117_Biased	1.449	1.414	0.035
3	B36_Biased	1.414	1.414	0.000
3	B37_Biased	1.414	1.379	0.035
3	C39_Biased	1.449	1.449	0.000
3	A118_Unbiased	1.414	1.379	0.035
3	A140_Unbiased	1.414	1.414	0.000
3	B38_Unbiased	1.449	1.414	0.035
3	B39_Unbiased	1.449	1.449	0.000
3	C40_Unbiased	1.449	1.449	0.000
10	A119_Biased	1.414	1.414	0.000
10	A120_Biased	1.414	1.379	0.035
10	B40_Biased	1.414	1.414	0.000
10	C41_Biased	1.449	1.485	-0.035
10	C42_Biased	1.449	1.449	0.000
10	A121_Unbiased	1.449	1.449	0.000
10	A124_Unbiased	1.449	1.414	0.035
10	B41_Unbiased	1.414	1.379	0.035
10	C43_Unbiased	1.449	1.414	0.035
10	C44_Unbiased	1.414	1.449	-0.035
30	A125_Biased	1.449	1.414	0.035
30	B42_Biased	1.414	1.449	-0.035
30	B43_Biased	1.414	1.414	0.000
30	C45_Biased	1.449	1.449	0.000
30	C46_Biased	1.449	1.449	0.000
30	A127_Unbiased	1.414	1.414	0.000
30	B45_Unbiased	1.449	1.449	0.000
30	B47_Unbiased	1.414	1.414	0.000
30	C47_Unbiased	1.449	1.449	0.000
30	C50_Unbiased	1.485	1.485	0.000
50	A128_Biased	1.414	1.449	-0.035
50	A129_Biased	1.379	1.414	-0.035
50	B48_Biased	1.449	1.414	0.035
50	B49_Biased	1.414	1.379	0.035
50	C51_Biased	1.449	1.449	0.000
50	A130_Unbiased	1.379	1.414	-0.035
50	A131_Unbiased	1.414	1.414	0.000
50	B50_Unbiased	1.449	1.449	0.000
50	B51_Unbiased	1.449	1.449	0.000
50	C53_Unbiased	1.449	1.449	0.000
0	106_Corr	1.379	1.379	0.000
100	A132_Biased	1.449	1.414	0.035
100	A134_Biased	1.449	1.414	0.035
100	A135_Biased	1.449	1.449	0.000
100	B52_Biased	1.449	1.414	0.035
100	B54_Biased	1.449	1.449	0.000
100	B55_Biased	1.379	1.414	-0.035
100	B56_Biased	1.449	1.414	0.035
100	B57_Biased	1.414	1.414	0.000
100	B59_Biased	1.449	1.449	0.000
100	B62_Biased	1.449	1.414	0.035
100	B63_Biased	1.449	1.449	0.000
100	B64_Biased	1.449	1.414	0.035
100	B66_Biased	1.449	1.414	0.035
100	B68_Biased	1.449	1.449	0.000
100	C54_Biased	1.449	1.449	0.000
100	C55_Biased	1.449	1.414	0.035
100	C56_Biased	1.449	1.414	0.035
100	C57_Biased	1.449	1.449	0.000
100	C58_Biased	1.414	1.449	-0.035
100	C59_Biased	1.449	1.449	0.000
100	C65_Biased	1.449	1.449	0.000
100	C67_Biased	1.449	1.449	0.000
100	A122_Unbiased	1.414	1.414	0.000
100	A138_Unbiased	1.414	1.414	0.000
100	A139_Unbiased	1.414	1.414	0.000
100	B60_Unbiased	1.414	1.449	-0.035
100	B61_Unbiased	1.414	1.449	-0.035
100	B69_Unbiased	1.414	1.414	0.000
100	B70_Unbiased	1.414	1.414	0.000
100	B71_Unbiased	1.414	1.449	-0.035
100	B72_Unbiased	1.449	1.449	0.000
100	B73_Unbiased	1.379	1.379	0.000
100	B74_Unbiased	1.414	1.379	0.035
100	B77_Unbiased	1.449	1.449	0.000
100	B78_Unbiased	1.449	1.449	0.000
100	B79_Unbiased	1.449	1.414	0.035
100	B80_Unbiased	1.449	1.449	0.000
100	C70_Unbiased	1.449	1.449	0.000
100	C71_Unbiased	1.449	1.414	0.035
100	C72_Unbiased	1.449	1.449	0.000
100	C73_Unbiased	1.414	1.414	0.000
100	C75_Unbiased	1.449	1.414	0.035
100	C76_Unbiased	1.449	1.449	0.000
100	C79_Unbiased	1.449	1.449	0.000
	Max	1.485	1.485	0.035
	Average	1.433	1.428	0.005
	Min	1.379	1.379	-0.035
	Std Dev	0.022	0.025	0.023



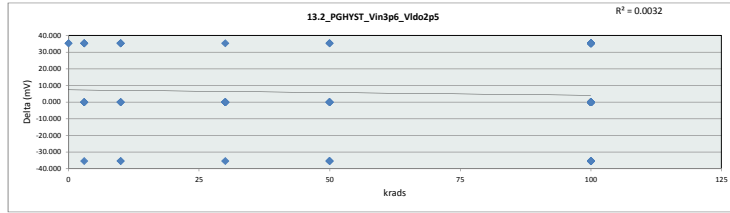
13.1_PGDOn_Vin3p6_VIdo2p5			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	3.6	V	
Min Limit	1.2	V	

krads	0	3	10	30	50	100
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.379	1.379	1.379	1.414	1.379	1.379
Average	1.379	1.421	1.425	1.439	1.428	1.430
Max	1.379	1.450	1.485	1.485	1.450	1.450
UL	3.600	3.600	3.600	3.600	3.600	3.600

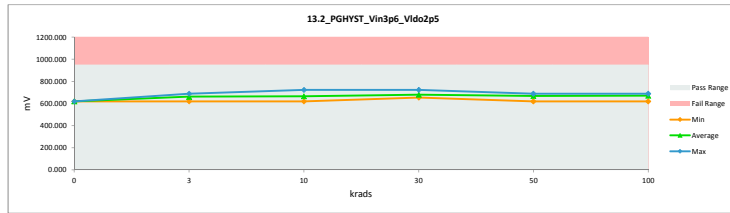


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13.2_PGHYST_Vin3p6_Vido2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950			
Min Limit	0			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	654.040	618.687	35.353
3	A116_Biased	654.040	689.394	-35.354
3	A117_Biased	689.394	654.040	35.354
3	B36_Biased	654.040	654.040	0.000
3	B37_Biased	654.040	618.687	35.353
3	C39_Biased	689.394	689.394	0.000
3	A118_Unbiased	654.040	618.687	35.353
3	A140_Unbiased	654.040	654.040	0.000
3	B38_Unbiased	689.394	654.040	35.354
3	B39_Unbiased	689.394	689.394	0.000
3	C40_Unbiased	689.394	689.394	0.000
10	A119_Biased	654.040	654.040	0.000
10	A120_Biased	654.040	618.687	35.353
10	B40_Biased	654.040	654.040	0.000
10	C41_Biased	689.394	724.747	-35.353
10	C42_Biased	689.394	689.394	0.000
10	A121_Unbiased	689.394	689.394	0.000
10	A124_Unbiased	689.394	654.040	35.354
10	B41_Unbiased	654.040	618.687	35.353
10	C43_Unbiased	689.394	654.040	35.354
10	C44_Unbiased	654.040	689.394	-35.354
30	A125_Biased	689.394	654.040	35.354
30	B42_Biased	654.040	689.394	-35.354
30	B43_Biased	654.040	654.040	0.000
30	C45_Biased	689.394	689.394	0.000
30	C46_Biased	689.394	689.394	0.000
30	A127_Unbiased	654.040	654.040	0.000
30	B45_Unbiased	689.394	689.394	0.000
30	B47_Unbiased	654.040	654.040	0.000
30	C47_Unbiased	689.394	689.394	0.000
30	C50_Unbiased	724.747	724.747	0.000
50	A128_Biased	654.040	689.394	-35.354
50	A129_Biased	618.687	654.040	-35.353
50	B48_Biased	689.394	654.040	35.354
50	B49_Biased	654.040	618.687	35.353
50	C51_Biased	689.394	689.394	0.000
50	A130_Unbiased	618.687	654.040	-35.353
50	A131_Unbiased	654.040	654.040	0.000
50	B50_Unbiased	689.394	689.394	0.000
50	B51_Unbiased	689.394	689.394	0.000
50	C53_Unbiased	689.394	689.394	0.000
0	106_Corr	654.040	618.687	35.353
100	A132_Biased	689.394	654.040	35.354
100	A134_Biased	689.394	689.394	0.000
100	A135_Biased	689.394	689.394	0.000
100	B52_Biased	689.394	654.040	35.354
100	B54_Biased	689.394	689.394	0.000
100	B55_Biased	618.687	654.040	-35.353
100	B56_Biased	689.394	654.040	35.354
100	B57_Biased	654.040	654.040	0.000
100	B59_Biased	689.394	689.394	0.000
100	B62_Biased	689.394	654.040	35.354
100	B63_Biased	689.394	689.394	0.000
100	B64_Biased	689.394	654.040	35.354
100	B66_Biased	689.394	654.040	35.354
100	B68_Biased	689.394	689.394	0.000
100	C54_Biased	689.394	689.394	0.000
100	C55_Biased	689.394	654.040	35.354
100	C56_Biased	689.394	654.040	35.354
100	C57_Biased	689.394	689.394	0.000
100	C58_Biased	654.040	689.394	-35.354
100	C59_Biased	689.394	689.394	0.000
100	C65_Biased	689.394	689.394	0.000
100	C67_Biased	689.394	689.394	0.000
100	A122_Unbiased	654.040	654.040	0.000
100	A138_Unbiased	654.040	654.040	0.000
100	A139_Unbiased	654.040	654.040	0.000
100	B60_Unbiased	654.040	689.394	-35.354
100	B61_Unbiased	654.040	689.394	-35.354
100	B69_Unbiased	654.040	654.040	0.000
100	B70_Unbiased	654.040	654.040	0.000
100	B71_Unbiased	654.040	689.394	-35.354
100	B72_Unbiased	689.394	689.394	0.000
100	B73_Unbiased	618.687	618.687	0.000
100	B74_Unbiased	654.040	618.687	35.353
100	B77_Unbiased	689.394	689.394	0.000
100	B78_Unbiased	689.394	689.394	0.000
100	B79_Unbiased	689.394	654.040	35.354
100	B80_Unbiased	689.394	689.394	0.000
100	C70_Unbiased	689.394	689.394	0.000
100	C71_Unbiased	689.394	654.040	35.354
100	C72_Unbiased	689.394	689.394	0.000
100	C73_Unbiased	654.040	654.040	0.000
100	C75_Unbiased	689.394	654.040	35.354
100	C76_Unbiased	689.394	689.394	0.000
100	C79_Unbiased	689.394	689.394	0.000
	Max	724.747	724.747	35.354
	Average	673.772	668.428	5.344
	Min	618.687	618.687	-35.354
	Std Dev	21.422	25.074	22.697

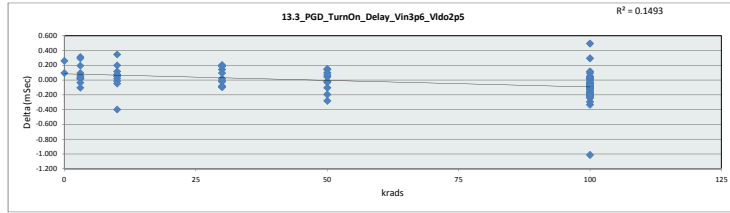


13.2_PGHYST_Vin3p6_Vido2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	950					
Min Limit	0					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	618.687	618.687	618.687	654.040	618.687	618.687
Average	618.687	661.111	664.646	678.788	668.182	670.914
Max	618.687	689.394	724.747	724.747	689.394	689.394
UL	950.000	950.000	950.000	950.000	950.000	950.000

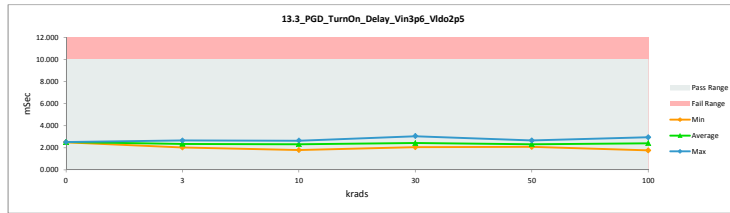


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13.3_PGD_TurnOn_Delay_Vin3p6				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.764	2.508	0.256
3	A116_Biased	2.402	2.389	0.013
3	A117_Biased	2.343	2.034	0.309
3	B36_Biased	2.184	2.292	-0.108
3	B37_Biased	2.072	2.021	0.051
3	C39_Biased	2.674	2.657	0.017
3	A118_Unbiased	2.343	2.308	0.035
3	A140_Unbiased	2.764	2.472	0.292
3	B38_Unbiased	2.487	2.526	-0.039
3	B39_Unbiased	2.586	2.492	0.094
3	C40_Unbiased	2.666	2.475	0.191
10	A119_Biased	1.785	1.800	-0.015
10	A120_Biased	2.379	2.329	0.050
10	B40_Biased	2.039	2.438	-0.399
10	C41_Biased	2.722	2.651	0.071
10	C42_Biased	2.265	2.152	0.113
10	A121_Unbiased	2.351	2.156	0.196
10	A124_Unbiased	2.257	2.239	0.018
10	B41_Unbiased	2.564	2.616	-0.052
10	C43_Unbiased	2.845	2.503	0.342
10	C44_Unbiased	2.522	2.450	0.072
30	A125_Biased	2.150	2.549	-0.201
30	B42_Biased	2.421	2.282	0.139
30	B43_Biased	2.531	2.350	0.181
30	C45_Biased	2.460	2.554	-0.094
30	C46_Biased	2.165	2.262	-0.097
30	A127_Unbiased	2.041	2.056	-0.015
30	B45_Unbiased	2.569	2.554	0.015
30	B47_Unbiased	2.163	2.188	-0.025
30	C47_Unbiased	2.549	2.458	0.091
30	C50_Unbiased	2.968	3.052	-0.084
50	A128_Biased	2.222	2.241	-0.019
50	A129_Biased	2.509	2.470	0.039
50	B48_Biased	2.380	2.234	0.146
50	B49_Biased	2.481	2.338	0.143
50	C51_Biased	2.387	2.673	-0.286
50	A130_Unbiased	2.323	2.357	-0.034
50	A131_Unbiased	2.164	2.273	-0.109
50	B50_Unbiased	2.181	2.085	0.096
50	B51_Unbiased	2.084	2.280	-0.196
50	C53_Unbiased	2.459	2.395	0.064
0	106_Corr	2.621	2.527	0.094
100	A132_Biased	2.240	2.234	0.006
100	A134_Biased	2.688	2.198	0.490
100	A135_Biased	2.558	2.661	-0.103
100	B52_Biased	1.953	2.128	-0.175
100	B54_Biased	2.080	2.078	0.002
100	B55_Biased	2.239	2.147	0.092
100	B56_Biased	2.250	2.227	0.023
100	B57_Biased	2.309	2.457	-0.148
100	B59_Biased	2.478	2.595	-0.117
100	B62_Biased	2.200	2.433	-0.233
100	B63_Biased	2.468	2.449	0.019
100	B64_Biased	2.100	2.324	-0.224
100	B66_Biased	2.153	2.136	0.017
100	B68_Biased	2.649	2.358	0.291
100	C54_Biased	2.249	2.299	-0.050
100	C55_Biased	2.466	2.431	0.035
100	C56_Biased	2.598	2.922	-0.324
100	C57_Biased	2.247	2.448	-0.201
100	C58_Biased	2.838	2.961	-0.123
100	C59_Biased	2.341	2.555	-0.214
100	C65_Biased	2.446	2.484	-0.038
100	C67_Biased	2.261	2.378	-0.117
100	A122_Unbiased	2.315	2.429	-0.114
100	A138_Unbiased	2.083	2.381	-0.298
100	A139_Unbiased	2.259	2.348	-0.089
100	B60_Unbiased	1.583	2.597	-1.014
100	B61_Unbiased	2.156	2.260	-0.104
100	B69_Unbiased	1.583	1.766	-0.183
100	B70_Unbiased	2.156	2.156	0.000
100	B71_Unbiased	2.539	2.491	0.048
100	B72_Unbiased	2.481	2.452	0.029
100	B73_Unbiased	2.129	2.203	-0.074
100	B74_Unbiased	2.371	2.400	-0.029
100	B77_Unbiased	2.381	2.267	0.114
100	B78_Unbiased	2.374	2.540	-0.166
100	B79_Unbiased	1.968	2.080	-0.112
100	B80_Unbiased	2.276	2.381	-0.105
100	C70_Unbiased	2.660	2.782	-0.122
100	C71_Unbiased	2.467	2.711	-0.244
100	C72_Unbiased	2.482	2.660	-0.178
100	C73_Unbiased	2.527	2.729	-0.202
100	C75_Unbiased	2.074	2.117	-0.043
100	C76_Unbiased	2.662	2.743	-0.081
100	C79_Unbiased	2.799	2.859	-0.060
	Max	2.968	3.052	0.490
	Average	2.367	2.395	-0.028
	Min	1.583	1.766	-1.014
	Std Dev	0.262	0.236	0.190



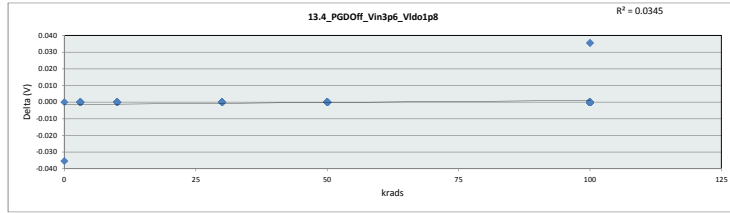
13.3_PGD_TurnOn_Delay_Vin3p6						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mSec				
Min Limit	0	mSec				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.508	2.021	1.800	2.056	2.085	1.766
Average	2.518	2.367	2.333	2.431	2.335	2.415
Max	2.527	2.657	2.651	3.052	2.673	2.961
UL	10.000	10.000	10.000	10.000	10.000	10.000



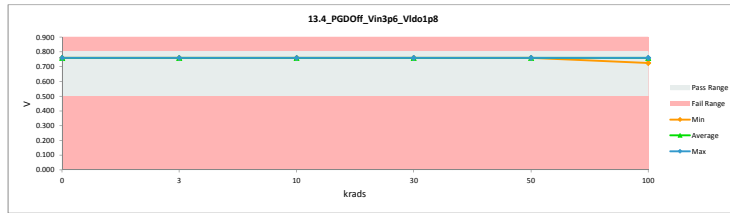
TID 100krad HDR Report
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13.4_PGDOff_Vin3p6_VIdo1p8			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.8	0.8	
Min Limit	0.5	0.5	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.760	0.760	0.000
3	A116_Biased	0.760	0.760	0.000
3	A117_Biased	0.760	0.760	0.000
3	B36_Biased	0.760	0.760	0.000
3	B37_Biased	0.760	0.760	0.000
3	C39_Biased	0.760	0.760	0.000
3	A118_Unbiased	0.760	0.760	0.000
3	A140_Unbiased	0.760	0.760	0.000
3	B38_Unbiased	0.760	0.760	0.000
3	B39_Unbiased	0.760	0.760	0.000
3	C40_Unbiased	0.760	0.760	0.000
10	A119_Biased	0.760	0.760	0.000
10	A120_Biased	0.760	0.760	0.000
10	B40_Biased	0.760	0.760	0.000
10	C41_Biased	0.760	0.760	0.000
10	C42_Biased	0.760	0.760	0.000
10	A121_Unbiased	0.760	0.760	0.000
10	A124_Unbiased	0.760	0.760	0.000
10	B41_Unbiased	0.760	0.760	0.000
10	C43_Unbiased	0.760	0.760	0.000
10	C44_Unbiased	0.760	0.760	0.000
30	A125_Biased	0.760	0.760	0.000
30	B42_Biased	0.760	0.760	0.000
30	B43_Biased	0.760	0.760	0.000
30	C45_Biased	0.760	0.760	0.000
30	C46_Biased	0.760	0.760	0.000
30	A127_Unbiased	0.760	0.760	0.000
30	B45_Unbiased	0.760	0.760	0.000
30	B47_Unbiased	0.760	0.760	0.000
30	C47_Unbiased	0.760	0.760	0.000
30	C50_Unbiased	0.760	0.760	0.000
50	A128_Biased	0.760	0.760	0.000
50	A129_Biased	0.760	0.760	0.000
50	B48_Biased	0.760	0.760	0.000
50	B49_Biased	0.760	0.760	0.000
50	C51_Biased	0.760	0.760	0.000
50	A130_Unbiased	0.760	0.760	0.000
50	A131_Unbiased	0.760	0.760	0.000
50	B50_Unbiased	0.760	0.760	0.000
50	B51_Unbiased	0.760	0.760	0.000
50	C53_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.760	-0.035
100	A132_Biased	0.760	0.760	0.000
100	A134_Biased	0.760	0.725	0.035
100	A135_Biased	0.760	0.760	0.000
100	B52_Biased	0.760	0.760	0.000
100	B54_Biased	0.760	0.760	0.000
100	B55_Biased	0.760	0.760	0.000
100	B56_Biased	0.760	0.760	0.000
100	B57_Biased	0.760	0.760	0.000
100	B59_Biased	0.760	0.760	0.000
100	B62_Biased	0.760	0.760	0.000
100	B63_Biased	0.760	0.760	0.000
100	B64_Biased	0.760	0.760	0.000
100	B66_Biased	0.760	0.760	0.000
100	B68_Biased	0.760	0.760	0.000
100	C54_Biased	0.760	0.760	0.000
100	C55_Biased	0.760	0.760	0.000
100	C56_Biased	0.760	0.760	0.000
100	C57_Biased	0.760	0.760	0.000
100	C58_Biased	0.760	0.760	0.000
100	C59_Biased	0.760	0.760	0.000
100	C65_Biased	0.760	0.760	0.000
100	C67_Biased	0.760	0.760	0.000
100	A122_Unbiased	0.760	0.760	0.000
100	A138_Unbiased	0.760	0.760	0.000
100	A139_Unbiased	0.760	0.760	0.000
100	B60_Unbiased	0.760	0.760	0.000
100	B61_Unbiased	0.760	0.760	0.000
100	B69_Unbiased	0.760	0.760	0.000
100	B70_Unbiased	0.760	0.760	0.000
100	B71_Unbiased	0.760	0.760	0.000
100	B72_Unbiased	0.760	0.760	0.000
100	B73_Unbiased	0.760	0.760	0.000
100	B74_Unbiased	0.760	0.760	0.000
100	B77_Unbiased	0.760	0.760	0.000
100	B78_Unbiased	0.760	0.760	0.000
100	B79_Unbiased	0.760	0.760	0.000
100	B80_Unbiased	0.760	0.760	0.000
100	C70_Unbiased	0.760	0.760	0.000
100	C71_Unbiased	0.760	0.760	0.000
100	C72_Unbiased	0.760	0.760	0.000
100	C73_Unbiased	0.760	0.760	0.000
100	C75_Unbiased	0.760	0.760	0.000
100	C76_Unbiased	0.760	0.760	0.000
100	C79_Unbiased	0.760	0.760	0.000
	Max	0.760	0.760	0.035
	Average	0.760	0.760	0.000
	Min	0.725	0.725	-0.035
	Std Dev	0.004	0.004	0.005

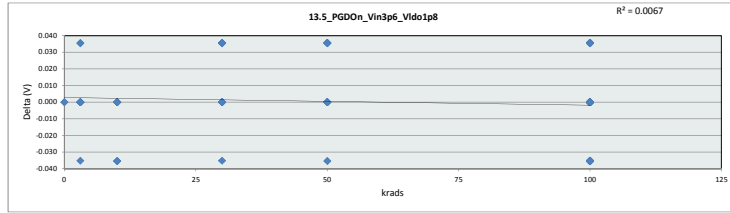


13.4_PGDOff_Vin3p6_VIdo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.5	V				
krads	0	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.760	0.760	0.760	0.760	0.760	0.725
Average	0.760	0.760	0.760	0.760	0.760	0.759
Max	0.760	0.760	0.760	0.760	0.760	0.760
UL	0.800	0.800	0.800	0.800	0.800	0.800

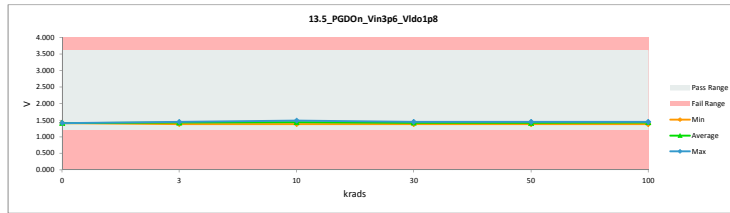


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13.5_PGDOn_Vin3p6_VIdo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	3.6	3.6		
Min Limit	1.2	1.2		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.414	1.414	0.000
3	A116_Biased	1.449	1.449	0.000
3	A117_Biased	1.449	1.449	0.000
3	B36_Biased	1.414	1.414	0.000
3	B37_Biased	1.414	1.379	0.035
3	C39_Biased	1.449	1.449	0.000
3	A118_Unbiased	1.379	1.414	-0.035
3	A140_Unbiased	1.414	1.414	0.000
3	B38_Unbiased	1.449	1.449	0.000
3	B39_Unbiased	1.449	1.449	0.000
3	C40_Unbiased	1.449	1.414	0.035
10	A119_Biased	1.414	1.414	0.000
10	A120_Biased	1.379	1.379	0.000
10	B40_Biased	1.449	1.449	0.000
10	C41_Biased	1.485	1.485	0.000
10	C42_Biased	1.414	1.449	-0.035
10	A121_Unbiased	1.414	1.449	-0.035
10	A124_Unbiased	1.449	1.449	0.000
10	B41_Unbiased	1.414	1.414	0.000
10	C43_Unbiased	1.449	1.449	0.000
10	C44_Unbiased	1.414	1.449	-0.035
30	A125_Biased	1.449	1.414	0.035
30	B42_Biased	1.449	1.414	0.035
30	B43_Biased	1.414	1.379	0.035
30	C45_Biased	1.449	1.449	0.000
30	C46_Biased	1.449	1.414	0.035
30	A127_Unbiased	1.414	1.414	0.000
30	B45_Unbiased	1.449	1.449	0.000
30	B47_Unbiased	1.379	1.414	-0.035
30	C47_Unbiased	1.449	1.449	0.000
30	C50_Unbiased	1.449	1.449	0.000
50	A128_Biased	1.449	1.414	0.035
50	A129_Biased	1.414	1.379	0.035
50	B48_Biased	1.414	1.449	-0.035
50	B49_Biased	1.414	1.414	0.000
50	C51_Biased	1.449	1.449	0.000
50	A130_Unbiased	1.414	1.414	0.000
50	A131_Unbiased	1.414	1.414	0.000
50	B50_Unbiased	1.449	1.449	0.000
50	B51_Unbiased	1.449	1.414	0.035
50	C53_Unbiased	1.449	1.414	0.035
0	106_Corr	1.414	1.414	0.000
100	A132_Biased	1.449	1.449	0.000
100	A134_Biased	1.449	1.414	0.035
100	A135_Biased	1.449	1.449	0.000
100	B52_Biased	1.449	1.414	0.035
100	B54_Biased	1.449	1.449	0.000
100	B55_Biased	1.379	1.414	-0.035
100	B56_Biased	1.449	1.414	0.035
100	B57_Biased	1.449	1.449	0.000
100	B59_Biased	1.449	1.449	0.000
100	B62_Biased	1.414	1.449	-0.035
100	B63_Biased	1.414	1.449	-0.035
100	B64_Biased	1.449	1.449	0.000
100	B66_Biased	1.414	1.449	-0.035
100	B68_Biased	1.449	1.449	0.000
100	C54_Biased	1.449	1.449	0.000
100	C55_Biased	1.449	1.449	0.000
100	C56_Biased	1.414	1.414	0.000
100	C57_Biased	1.449	1.449	0.000
100	C58_Biased	1.414	1.449	-0.035
100	C59_Biased	1.449	1.449	0.000
100	C65_Biased	1.414	1.449	-0.035
100	C67_Biased	1.449	1.414	0.035
100	A122_Unbiased	1.449	1.449	0.000
100	A138_Unbiased	1.379	1.379	0.000
100	A139_Unbiased	1.414	1.379	0.035
100	B60_Unbiased	1.414	1.449	-0.035
100	B61_Unbiased	1.414	1.449	-0.035
100	B69_Unbiased	1.414	1.414	0.000
100	B70_Unbiased	1.414	1.414	0.000
100	B71_Unbiased	1.414	1.414	0.000
100	B72_Unbiased	1.449	1.449	0.000
100	B73_Unbiased	1.379	1.414	-0.035
100	B74_Unbiased	1.414	1.414	0.000
100	B77_Unbiased	1.449	1.449	0.000
100	B78_Unbiased	1.449	1.414	0.035
100	B79_Unbiased	1.449	1.414	0.035
100	B80_Unbiased	1.449	1.414	0.035
100	C70_Unbiased	1.449	1.449	0.000
100	C71_Unbiased	1.449	1.449	0.000
100	C72_Unbiased	1.414	1.449	-0.035
100	C73_Unbiased	1.449	1.449	0.000
100	C75_Unbiased	1.414	1.449	-0.035
100	C76_Unbiased	1.414	1.449	-0.035
100	C79_Unbiased	1.449	1.449	0.000
	Max	1.485	1.485	0.035
	Average	1.431	1.431	0.000
	Min	1.379	1.379	-0.035
	Std Dev	0.023	0.023	0.023

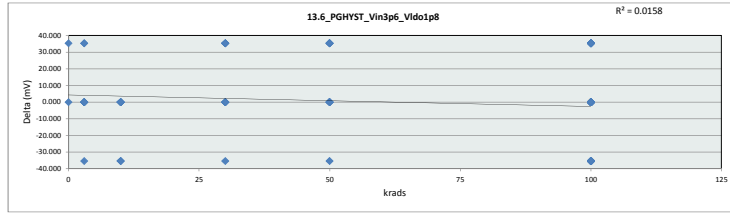


13.5_PGDOn_Vin3p6_VIdo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	3.6	V				
Min Limit	1.2	V				
krads	0	3	10	30	50	100
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.414	1.379	1.379	1.379	1.379	1.379
Average	1.414	1.428	1.439	1.425	1.421	1.435
Max	1.414	1.450	1.485	1.450	1.450	1.450
UL	3.600	3.600	3.600	3.600	3.600	3.600

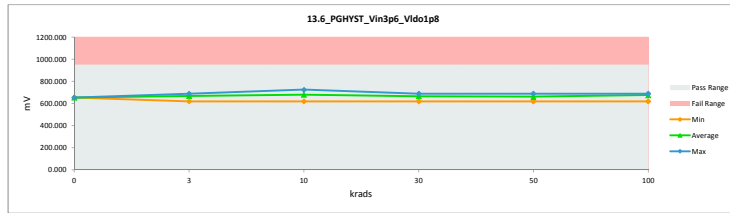


TID 100krad HDR Report
TPS7H3301-SP

13.6_PGHYST_Vin3p6_Vido1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950			
Min Limit	0			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	654.040	654.040	0.000
3	A116_Biased	689.394	689.394	0.000
3	A117_Biased	689.394	689.394	0.000
3	B36_Biased	654.040	654.040	0.000
3	B37_Biased	654.040	618.687	35.353
3	C39_Biased	689.394	689.394	0.000
3	A118_Unbiased	618.687	654.040	-35.353
3	A140_Unbiased	654.040	654.040	0.000
3	B38_Unbiased	689.394	689.394	0.000
3	B39_Unbiased	689.394	689.394	0.000
3	C40_Unbiased	689.394	654.040	35.354
10	A119_Biased	654.040	654.040	0.000
10	A120_Biased	618.687	618.687	0.000
10	B40_Biased	689.394	689.394	0.000
10	C41_Biased	724.747	724.747	0.000
10	C42_Biased	654.040	689.394	-35.354
10	A121_Unbiased	654.040	689.394	-35.354
10	A124_Unbiased	689.394	689.394	0.000
10	B41_Unbiased	654.040	654.040	0.000
10	C43_Unbiased	689.394	689.394	0.000
10	C44_Unbiased	654.040	689.394	-35.354
30	A125_Biased	689.394	654.040	35.354
30	B42_Biased	689.394	654.040	35.354
30	B43_Biased	654.040	618.687	35.353
30	C45_Biased	689.394	689.394	0.000
30	C46_Biased	689.394	654.040	35.354
30	A127_Unbiased	654.040	654.040	0.000
30	B45_Unbiased	689.394	689.394	0.000
30	B47_Unbiased	618.687	654.040	-35.353
30	C47_Biased	689.394	689.394	0.000
30	C50_Unbiased	689.394	689.394	0.000
50	A128_Biased	689.394	654.040	35.354
50	A129_Biased	654.040	618.687	35.353
50	B48_Biased	654.040	689.394	-35.354
50	B49_Biased	654.040	654.040	0.000
50	C51_Biased	689.394	689.394	0.000
50	A130_Unbiased	654.040	654.040	0.000
50	A131_Unbiased	654.040	654.040	0.000
50	B50_Unbiased	689.394	689.394	0.000
50	B51_Unbiased	689.394	654.040	35.354
50	C53_Unbiased	689.394	654.040	35.354
0	106_Corr	689.394	654.040	35.354
100	A132_Biased	689.394	689.394	0.000
100	A134_Biased	689.394	689.394	0.000
100	A135_Biased	689.394	689.394	0.000
100	B52_Biased	689.394	654.040	35.354
100	B54_Biased	689.394	689.394	0.000
100	B55_Biased	618.687	654.040	-35.353
100	B56_Biased	689.394	654.040	35.354
100	B57_Biased	689.394	689.394	0.000
100	B59_Biased	689.394	689.394	0.000
100	B62_Biased	654.040	689.394	-35.354
100	B63_Biased	654.040	689.394	-35.354
100	B64_Biased	689.394	689.394	0.000
100	B66_Biased	654.040	689.394	-35.354
100	B68_Biased	689.394	689.394	0.000
100	C54_Biased	689.394	689.394	0.000
100	C55_Biased	689.394	689.394	0.000
100	C56_Biased	654.040	654.040	0.000
100	C57_Biased	689.394	689.394	0.000
100	C58_Biased	654.040	689.394	-35.354
100	C59_Biased	689.394	689.394	0.000
100	C65_Biased	654.040	689.394	-35.354
100	C67_Biased	689.394	654.040	35.354
100	A122_Unbiased	689.394	689.394	0.000
100	A138_Unbiased	618.687	618.687	0.000
100	A139_Unbiased	654.040	618.687	35.353
100	B60_Unbiased	654.040	689.394	-35.354
100	B61_Unbiased	654.040	689.394	-35.354
100	B69_Unbiased	654.040	654.040	0.000
100	B70_Unbiased	654.040	654.040	0.000
100	B71_Unbiased	654.040	654.040	0.000
100	B72_Unbiased	689.394	689.394	0.000
100	B73_Unbiased	618.687	654.040	-35.353
100	B74_Unbiased	654.040	654.040	0.000
100	B77_Unbiased	689.394	689.394	0.000
100	B78_Unbiased	689.394	654.040	35.354
100	B79_Unbiased	689.394	654.040	35.354
100	B80_Unbiased	689.394	654.040	35.354
100	C70_Unbiased	689.394	689.394	0.000
100	C71_Unbiased	689.394	689.394	0.000
100	C72_Unbiased	654.040	689.394	-35.354
100	C73_Unbiased	689.394	689.394	0.000
100	C75_Unbiased	654.040	689.394	-35.354
100	C76_Unbiased	654.040	689.394	-35.354
100	C79_Unbiased	689.394	689.394	0.000
	Max	724.747	724.747	35.354
	Average	671.717	671.717	0.000
	Min	618.687	618.687	-35.354
	Std Dev	22.848	22.848	23.008

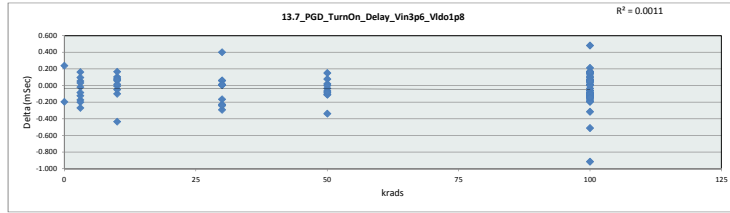


13.6_PGHYST_Vin3p6_Vido1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	950					
Min Limit	0					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	654.040	618.687	618.687	618.687	618.687	618.687
Average	654.040	668.182	678.788	664.646	661.111	675.735
Max	654.040	689.394	724.747	689.394	689.394	689.394
UL	950.000	950.000	950.000	950.000	950.000	950.000

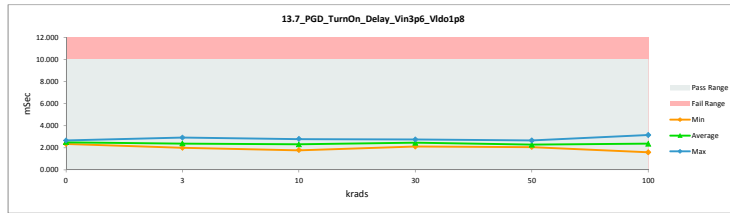


TID 100krad HDR Report
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13.7_PGD_TurnOn_Delay_Vin3p6				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.586	2.351	0.235
3	A116_Biased	2.080	2.253	-0.173
3	A117_Biased	1.968	2.093	-0.125
3	B36_Biased	2.262	2.464	-0.202
3	B37_Biased	2.055	2.001	0.054
3	C39_Biased	2.562	2.467	0.095
3	A118_Unbiased	2.326	2.167	0.159
3	A140_Unbiased	2.586	2.672	-0.086
3	B38_Unbiased	2.347	2.366	-0.019
3	B39_Unbiased	2.567	2.537	0.030
3	C40_Unbiased	2.652	2.921	-0.269
10	A119_Biased	1.768	1.778	-0.010
10	A120_Biased	2.207	2.309	-0.102
10	B40_Biased	2.265	2.163	0.102
10	C41_Biased	2.552	2.465	0.087
10	C42_Biased	2.211	2.264	-0.053
10	A121_Unbiased	2.334	2.277	0.057
10	A124_Unbiased	2.153	2.139	0.014
10	B41_Unbiased	2.740	2.576	0.164
10	C43_Unbiased	2.360	2.797	-0.437
10	C44_Unbiased	2.413	2.341	0.072
30	A125_Biased	2.451	2.745	-0.294
30	B42_Biased	2.480	2.422	0.058
30	B43_Biased	2.333	2.501	-0.168
30	C45_Biased	2.540	2.538	0.002
30	C46_Biased	2.176	2.117	0.059
30	A127_Unbiased	2.167	2.157	0.010
30	B45_Unbiased	2.338	2.565	-0.227
30	B47_Unbiased	2.301	2.290	0.011
30	C47_Unbiased	2.337	2.580	-0.243
30	C50_Unbiased	2.023	2.023	0.000
50	A128_Biased	2.195	2.118	0.077
50	A129_Biased	2.265	2.302	-0.037
50	B48_Biased	2.507	2.360	0.147
50	B49_Biased	2.344	2.448	-0.104
50	C51_Biased	2.550	2.661	-0.111
50	A130_Unbiased	2.195	2.179	0.016
50	A131_Unbiased	2.095	2.162	-0.067
50	B50_Unbiased	2.069	2.069	0.000
50	B51_Unbiased	1.795	2.134	-0.339
50	C53_Unbiased	2.451	2.533	-0.082
0	106_Corr	2.459	2.657	-0.198
100	A132_Biased	2.252	2.084	0.168
100	A134_Biased	2.540	2.060	0.480
100	A135_Biased	2.540	2.475	0.065
100	B52_Biased	1.943	2.005	-0.062
100	B54_Biased	2.063	1.967	0.096
100	B55_Biased	2.125	2.258	-0.133
100	B56_Biased	2.141	2.203	-0.062
100	B57_Biased	2.358	2.486	-0.128
100	B59_Biased	2.588	2.577	0.011
100	B62_Biased	2.414	2.267	0.147
100	B63_Biased	2.206	2.294	-0.088
100	B64_Biased	1.957	2.051	-0.084
100	B66_Biased	1.924	2.069	-0.145
100	B68_Biased	2.496	2.343	0.153
100	C54_Biased	2.237	2.355	-0.118
100	C55_Biased	2.487	2.396	-0.109
100	C56_Biased	2.534	2.631	-0.097
100	C57_Biased	2.240	2.339	-0.099
100	C58_Biased	2.825	2.761	0.064
100	C59_Biased	2.483	2.475	0.208
100	C65_Biased	2.430	2.467	-0.037
100	C67_Biased	2.539	2.525	0.014
100	A122_Unbiased	2.285	2.461	-0.176
100	A138_Unbiased	2.203	2.332	-0.129
100	A139_Unbiased	2.468	2.333	0.135
100	B60_Unbiased	1.656	1.671	-0.015
100	B61_Unbiased	2.051	2.368	-0.317
100	B69_Unbiased	1.656	1.598	0.058
100	B70_Unbiased	2.051	2.239	-0.188
100	B71_Unbiased	2.510	2.627	-0.117
100	B72_Unbiased	2.185	2.340	-0.155
100	B73_Unbiased	2.112	2.040	0.072
100	B74_Unbiased	2.480	2.442	0.038
100	B77_Unbiased	2.365	2.254	0.111
100	B78_Unbiased	2.684	2.524	0.160
100	B79_Unbiased	1.944	2.140	-0.196
100	B80_Unbiased	2.661	2.500	0.161
100	C70_Unbiased	2.644	2.766	-0.122
100	C71_Unbiased	2.687	2.687	-0.106
100	C72_Unbiased	2.524	2.451	0.073
100	C73_Unbiased	2.454	2.454	0.000
100	C75_Unbiased	2.212	2.164	0.048
100	C76_Unbiased	2.812	2.955	-0.143
100	C79_Unbiased	2.641	3.153	-0.512
	Max	3.022	3.153	0.480
	Average	2.335	2.375	-0.040
	Min	1.656	1.598	-0.915
	Std Dev	0.263	0.259	0.187



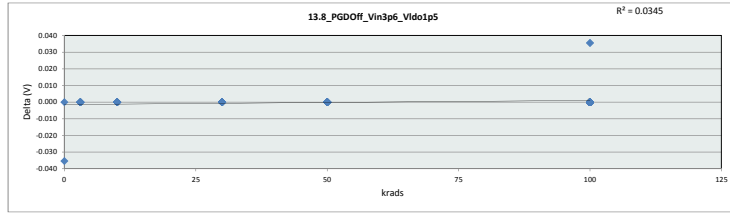
13.7_PGD_TurnOn_Delay_Vin3p6					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	10	mSec			
Min Limit	0	mSec			
krads	LL	Min	Average	Max	UL
0	0.000	0.000	0.000	0.000	0.000
3	2.351	2.001	1.778	2.117	2.069
10	2.504	2.394	2.311	2.454	2.297
30	2.657	2.921	2.797	2.745	2.661
50	10.000	10.000	10.000	10.000	10.000
100					



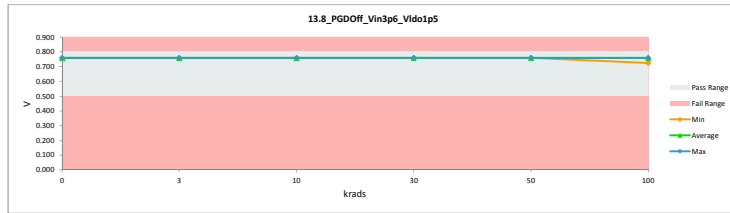
TID 100krad HDR Report
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13.8_PGDOFF_Vin3p6_VIdo1p5			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.8	0.8	
Min Limit	0.5	0.5	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.760	0.760	0.000
3	A116_Biased	0.760	0.760	0.000
3	A117_Biased	0.760	0.760	0.000
3	B36_Biased	0.760	0.760	0.000
3	B37_Biased	0.760	0.760	0.000
3	C39_Biased	0.760	0.760	0.000
3	A118_Unbiased	0.760	0.760	0.000
3	A140_Unbiased	0.760	0.760	0.000
3	B38_Unbiased	0.760	0.760	0.000
3	B39_Unbiased	0.760	0.760	0.000
3	C40_Unbiased	0.760	0.760	0.000
10	A119_Biased	0.760	0.760	0.000
10	A120_Biased	0.760	0.760	0.000
10	B40_Biased	0.760	0.760	0.000
10	C41_Biased	0.760	0.760	0.000
10	C42_Biased	0.760	0.760	0.000
10	A121_Unbiased	0.760	0.760	0.000
10	A124_Unbiased	0.760	0.760	0.000
10	B41_Unbiased	0.760	0.760	0.000
10	C43_Unbiased	0.760	0.760	0.000
10	C44_Unbiased	0.760	0.760	0.000
30	A125_Biased	0.760	0.760	0.000
30	B42_Biased	0.760	0.760	0.000
30	B43_Biased	0.760	0.760	0.000
30	C45_Biased	0.760	0.760	0.000
30	C46_Biased	0.760	0.760	0.000
30	A127_Unbiased	0.760	0.760	0.000
30	B45_Unbiased	0.760	0.760	0.000
30	B47_Unbiased	0.760	0.760	0.000
30	C47_Unbiased	0.760	0.760	0.000
30	C50_Unbiased	0.760	0.760	0.000
50	A128_Biased	0.760	0.760	0.000
50	A129_Biased	0.760	0.760	0.000
50	B48_Biased	0.760	0.760	0.000
50	B49_Biased	0.760	0.760	0.000
50	C51_Biased	0.760	0.760	0.000
50	A130_Unbiased	0.760	0.760	0.000
50	A131_Unbiased	0.760	0.760	0.000
50	B50_Unbiased	0.760	0.760	0.000
50	B51_Unbiased	0.760	0.760	0.000
50	C53_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.760	-0.035
100	A132_Biased	0.760	0.760	0.000
100	A134_Biased	0.760	0.725	0.035
100	A135_Biased	0.760	0.760	0.000
100	B52_Biased	0.760	0.760	0.000
100	B54_Biased	0.760	0.760	0.000
100	B55_Biased	0.760	0.760	0.000
100	B56_Biased	0.760	0.760	0.000
100	B57_Biased	0.760	0.760	0.000
100	B59_Biased	0.760	0.760	0.000
100	B62_Biased	0.760	0.760	0.000
100	B63_Biased	0.760	0.760	0.000
100	B64_Biased	0.760	0.760	0.000
100	B66_Biased	0.760	0.760	0.000
100	B68_Biased	0.760	0.760	0.000
100	C54_Biased	0.760	0.760	0.000
100	C55_Biased	0.760	0.760	0.000
100	C56_Biased	0.760	0.760	0.000
100	C57_Biased	0.760	0.760	0.000
100	C58_Biased	0.760	0.760	0.000
100	C59_Biased	0.760	0.760	0.000
100	C65_Biased	0.760	0.760	0.000
100	C67_Biased	0.760	0.760	0.000
100	A122_Unbiased	0.760	0.760	0.000
100	A138_Unbiased	0.760	0.760	0.000
100	A139_Unbiased	0.760	0.760	0.000
100	B60_Unbiased	0.760	0.760	0.000
100	B61_Unbiased	0.760	0.760	0.000
100	B69_Unbiased	0.760	0.760	0.000
100	B70_Unbiased	0.760	0.760	0.000
100	B71_Unbiased	0.760	0.760	0.000
100	B72_Unbiased	0.760	0.760	0.000
100	B73_Unbiased	0.760	0.760	0.000
100	B74_Unbiased	0.760	0.760	0.000
100	B77_Unbiased	0.760	0.760	0.000
100	B78_Unbiased	0.760	0.760	0.000
100	B79_Unbiased	0.760	0.760	0.000
100	B80_Unbiased	0.760	0.760	0.000
100	C70_Unbiased	0.760	0.760	0.000
100	C71_Unbiased	0.760	0.760	0.000
100	C72_Unbiased	0.760	0.760	0.000
100	C73_Unbiased	0.760	0.760	0.000
100	C75_Unbiased	0.760	0.760	0.000
100	C76_Unbiased	0.760	0.760	0.000
100	C79_Unbiased	0.760	0.760	0.000
	Max	0.760	0.760	0.035
	Average	0.760	0.760	0.000
	Min	0.725	0.725	-0.035
	Std Dev	0.004	0.004	0.005



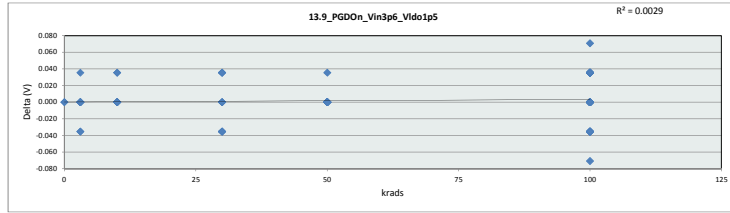
13.8_PGDOFF_Vin3p6_VIdo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.5	V				
krads	0	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.760	0.760	0.760	0.760	0.760	0.725
Average	0.760	0.760	0.760	0.760	0.760	0.759
Max	0.760	0.760	0.760	0.760	0.760	0.760
UL	0.800	0.800	0.800	0.800	0.800	0.800



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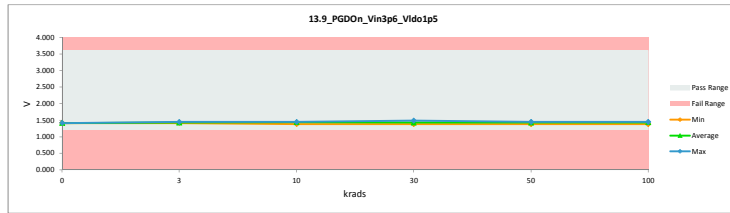
13.9_PGDOn_Vin3p6_VIdo1p5			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	3.6	3.6	
Min Limit	1.2	1.2	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.414	1.414	0.000
3	A116_Biased	1.449	1.414	0.035
3	A117_Biased	1.414	1.449	-0.035
3	B36_Biased	1.414	1.414	0.000
3	B37_Biased	1.414	1.414	0.000
3	C39_Biased	1.449	1.449	0.000
3	A118_Unbiased	1.414	1.414	0.000
3	A140_Unbiased	1.414	1.414	0.000
3	B38_Unbiased	1.449	1.449	0.000
3	B39_Unbiased	1.414	1.449	-0.035
3	C40_Unbiased	1.414	1.414	0.000
10	A119_Biased	1.414	1.414	0.000
10	A120_Biased	1.414	1.414	0.000
10	B40_Biased	1.449	1.449	0.000
10	C41_Biased	1.485	1.449	0.035
10	C42_Biased	1.449	1.449	0.000
10	A121_Unbiased	1.449	1.449	0.000
10	A124_Unbiased	1.449	1.449	0.000
10	B41_Unbiased	1.414	1.379	0.035
10	C43_Unbiased	1.449	1.449	0.000
10	C44_Unbiased	1.449	1.449	0.000
30	A125_Biased	1.414	1.414	0.000
30	B42_Biased	1.449	1.414	0.035
30	B43_Biased	1.379	1.414	-0.035
30	C45_Biased	1.449	1.414	0.035
30	C46_Biased	1.449	1.449	0.000
30	A127_Unbiased	1.379	1.414	-0.035
30	B45_Unbiased	1.414	1.449	-0.035
30	B47_Unbiased	1.414	1.379	0.035
30	C47_Unbiased	1.414	1.449	-0.035
30	C50_Unbiased	1.485	1.485	0.000
50	A128_Biased	1.414	1.414	0.000
50	A129_Biased	1.414	1.414	0.000
50	B48_Biased	1.449	1.449	0.000
50	B49_Biased	1.414	1.414	0.000
50	C51_Biased	1.449	1.449	0.000
50	A130_Unbiased	1.414	1.414	0.000
50	A131_Unbiased	1.414	1.379	0.035
50	B50_Unbiased	1.449	1.449	0.000
50	B51_Unbiased	1.449	1.449	0.000
50	C53_Unbiased	1.449	1.449	0.000
0	106_Corr	1.414	1.414	0.000
100	A132_Biased	1.449	1.449	0.000
100	A134_Biased	1.449	1.379	0.071
100	A135_Biased	1.449	1.449	0.000
100	B52_Biased	1.449	1.449	0.000
100	B54_Biased	1.449	1.449	0.000
100	B55_Biased	1.414	1.414	0.000
100	B56_Biased	1.449	1.449	0.000
100	B57_Biased	1.449	1.414	0.035
100	B59_Biased	1.449	1.449	0.000
100	B62_Biased	1.449	1.449	0.000
100	B63_Biased	1.414	1.449	-0.035
100	B64_Biased	1.414	1.449	-0.035
100	B66_Biased	1.449	1.449	0.000
100	B68_Biased	1.449	1.414	0.035
100	C54_Biased	1.414	1.449	-0.035
100	C55_Biased	1.414	1.449	-0.035
100	C56_Biased	1.449	1.414	0.035
100	C57_Biased	1.414	1.414	0.000
100	C58_Biased	1.449	1.449	0.000
100	C59_Biased	1.449	1.449	0.000
100	C65_Biased	1.414	1.449	-0.035
100	C67_Biased	1.449	1.414	0.035
100	A122_Unbiased	1.449	1.449	0.000
100	A138_Unbiased	1.414	1.379	0.035
100	A139_Unbiased	1.414	1.414	0.000
100	B60_Unbiased	1.379	1.449	-0.071
100	B61_Unbiased	1.414	1.449	-0.035
100	B69_Unbiased	1.379	1.414	-0.035
100	B70_Unbiased	1.414	1.379	0.035
100	B71_Unbiased	1.449	1.414	0.035
100	B72_Unbiased	1.449	1.414	0.035
100	B73_Unbiased	1.414	1.414	0.000
100	B74_Unbiased	1.414	1.414	0.000
100	B77_Unbiased	1.449	1.449	0.000
100	B78_Unbiased	1.449	1.414	0.035
100	B79_Unbiased	1.449	1.414	0.035
100	B80_Unbiased	1.449	1.449	0.000
100	C70_Unbiased	1.449	1.449	0.000
100	C71_Unbiased	1.449	1.449	0.000
100	C72_Unbiased	1.449	1.449	0.000
100	C73_Unbiased	1.449	1.449	0.000
100	C75_Unbiased	1.449	1.449	0.000
100	C76_Unbiased	1.449	1.449	0.000
100	C79_Unbiased	1.449	1.414	0.035
	Max	1.485	1.485	0.071
	Average	1.433	1.431	0.002
	Min	1.379	1.379	-0.071
	Std Dev	0.022	0.023	0.024



13.9_PGDOn_Vin3p6_VIdo1p5			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	3.6	V	
Min Limit	1.2	V	

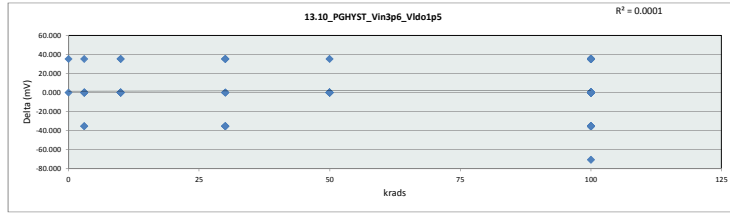
krads	0	3	10	30	50	100
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.414	1.414	1.379	1.379	1.379	1.379
Average	1.414	1.428	1.435	1.428	1.428	1.433
Max	1.414	1.450	1.450	1.485	1.450	1.450
UL	3.600	3.600	3.600	3.600	3.600	3.600



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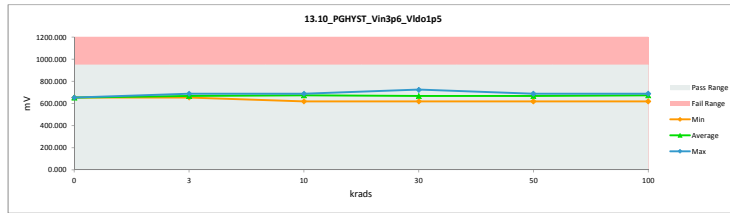
13.10_PGHYST_Vin3p6_Vldo1p5			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	950	950	
Min Limit	0	0	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	654.040	654.040	0.000
3	A116_Biased	689.394	654.040	35.354
3	A117_Biased	654.040	689.394	-35.354
3	B36_Biased	654.040	654.040	0.000
3	B37_Biased	654.040	654.040	0.000
3	C39_Biased	689.394	689.394	0.000
3	A118_Unbiased	654.040	654.040	0.000
3	A140_Unbiased	654.040	654.040	0.000
3	B38_Unbiased	689.394	689.394	0.000
3	B39_Unbiased	654.040	689.394	-35.354
3	C40_Unbiased	654.040	654.040	0.000
10	A119_Biased	654.040	654.040	0.000
10	A120_Biased	654.040	654.040	0.000
10	B40_Biased	689.394	689.394	0.000
10	C41_Biased	724.747	689.394	35.353
10	C42_Biased	689.394	689.394	0.000
10	A121_Unbiased	689.394	689.394	0.000
10	A124_Unbiased	689.394	689.394	0.000
10	B41_Unbiased	654.040	618.687	35.353
10	C43_Unbiased	689.394	689.394	0.000
10	C44_Unbiased	689.394	689.394	0.000
30	A125_Biased	654.040	654.040	0.000
30	B42_Biased	689.394	654.040	35.354
30	B43_Biased	618.687	654.040	-35.353
30	C45_Biased	689.394	654.040	35.354
30	C46_Biased	689.394	689.394	0.000
30	A127_Unbiased	618.687	654.040	-35.353
30	B45_Unbiased	654.040	689.394	-35.354
30	B47_Unbiased	654.040	618.687	35.353
30	C47_Unbiased	654.040	689.394	-35.354
30	C50_Unbiased	724.747	724.747	0.000
50	A128_Biased	654.040	654.040	0.000
50	A129_Biased	654.040	654.040	0.000
50	B48_Biased	689.394	689.394	0.000
50	B49_Biased	654.040	654.040	0.000
50	C51_Biased	689.394	689.394	0.000
50	A130_Unbiased	654.040	654.040	0.000
50	A131_Unbiased	654.040	618.687	35.353
50	B50_Unbiased	689.394	689.394	0.000
50	B51_Unbiased	689.394	689.394	0.000
50	C53_Unbiased	689.394	689.394	0.000
0	106_Corr	689.394	654.040	35.354
100	A132_Biased	689.394	689.394	0.000
100	A134_Biased	689.394	654.040	35.354
100	A135_Biased	689.394	689.394	0.000
100	B52_Biased	689.394	689.394	0.000
100	B54_Biased	689.394	689.394	0.000
100	B55_Biased	654.040	654.040	0.000
100	B56_Biased	689.394	689.394	0.000
100	B57_Biased	689.394	654.040	35.354
100	B59_Biased	689.394	689.394	0.000
100	B62_Biased	689.394	689.394	0.000
100	B63_Biased	654.040	689.394	-35.354
100	B64_Biased	654.040	689.394	-35.354
100	B66_Biased	689.394	689.394	0.000
100	B68_Biased	689.394	654.040	35.354
100	C54_Biased	654.040	689.394	-35.354
100	C55_Biased	654.040	689.394	-35.354
100	C56_Biased	689.394	654.040	35.354
100	C57_Biased	654.040	654.040	0.000
100	C58_Biased	689.394	689.394	0.000
100	C59_Biased	689.394	689.394	0.000
100	C65_Biased	654.040	689.394	-35.354
100	C67_Biased	689.394	654.040	35.354
100	A122_Unbiased	689.394	689.394	0.000
100	A138_Unbiased	654.040	618.687	35.353
100	A139_Unbiased	654.040	654.040	0.000
100	B60_Unbiased	618.687	689.394	-70.707
100	B61_Unbiased	654.040	689.394	-35.354
100	B69_Unbiased	618.687	654.040	-35.353
100	B70_Unbiased	654.040	618.687	35.353
100	B71_Unbiased	689.394	654.040	35.354
100	B72_Unbiased	689.394	654.040	35.354
100	B73_Unbiased	654.040	654.040	0.000
100	B74_Unbiased	654.040	654.040	0.000
100	B77_Unbiased	689.394	689.394	0.000
100	B78_Unbiased	689.394	654.040	35.354
100	B79_Unbiased	689.394	654.040	35.354
100	B80_Unbiased	689.394	689.394	0.000
100	C70_Unbiased	689.394	689.394	0.000
100	C71_Unbiased	689.394	689.394	0.000
100	C72_Unbiased	689.394	689.394	0.000
100	C73_Unbiased	689.394	689.394	0.000
100	C75_Unbiased	689.394	689.394	0.000
100	C76_Unbiased	689.394	689.394	0.000
100	C79_Unbiased	689.394	654.040	35.354
	Max	724.747	724.747	35.354
	Average	673.361	671.306	2.055
	Min	618.687	618.687	-70.707
	Std Dev	22.133	22.191	23.233



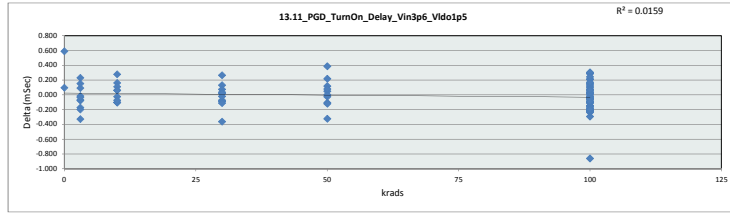
13.10_PGHYST_Vin3p6_Vldo1p5					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	950	mV			
Min Limit	0	mV			

krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	654.040	654.040	618.687	618.687	618.687	618.687
Average	654.040	668.182	675.253	668.182	668.182	673.324
Max	654.040	689.394	689.394	724.747	689.394	689.394
UL	950.000	950.000	950.000	950.000	950.000	950.000

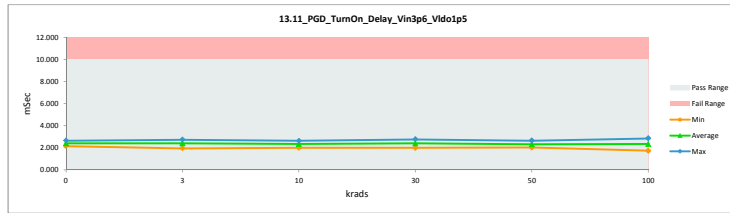


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13.11_PG0_TurnOn_Delay_Vin3				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.743	2.156	0.587
3	A116_Biased	2.252	2.023	0.229
3	A117_Biased	2.115	2.447	-0.332
3	B36_Biased	2.279	2.454	-0.175
3	B37_Biased	2.045	1.958	0.087
3	C39_Biased	2.653	2.734	-0.081
3	A118_Unbiased	2.265	2.337	-0.072
3	A140_Unbiased	2.742	2.592	0.151
3	B38_Unbiased	2.340	2.359	-0.019
3	B39_Unbiased	2.429	2.465	-0.036
3	C40_Unbiased	2.400	2.600	-0.200
10	A119_Biased	1.889	1.993	-0.104
10	A120_Biased	2.451	2.295	0.156
10	B40_Biased	2.165	2.272	-0.107
10	C41_Biased	2.685	2.628	0.057
10	C42_Biased	2.363	2.257	0.106
10	A121_Unbiased	2.162	2.266	-0.104
10	A124_Unbiased	2.233	2.260	-0.027
10	B41_Unbiased	2.672	2.614	0.058
10	C43_Unbiased	2.744	2.471	0.273
10	C44_Unbiased	2.261	2.335	-0.074
30	A125_Biased	2.722	2.593	0.129
30	B42_Biased	2.665	2.402	0.263
30	B43_Biased	2.201	2.275	-0.074
30	C45_Biased	2.440	2.531	-0.091
30	C46_Biased	2.169	2.099	0.070
30	A127_Unbiased	2.022	1.990	0.032
30	B45_Unbiased	2.421	2.443	-0.022
30	B47_Unbiased	2.057	2.421	-0.364
30	C47_Unbiased	2.326	2.441	-0.115
30	C50_Unbiased	2.727	2.752	-0.025
50	A128_Biased	2.423	2.207	0.216
50	A129_Biased	2.348	2.375	-0.027
50	B48_Biased	2.494	2.447	0.047
50	B49_Biased	2.552	2.171	0.381
50	C51_Biased	2.441	2.650	-0.109
50	A130_Unbiased	2.341	2.462	-0.121
50	A131_Unbiased	2.143	2.029	0.114
50	B50_Unbiased	2.059	2.060	-0.001
50	B51_Unbiased	2.059	2.354	-0.295
50	C53_Unbiased	2.441	2.367	0.074
0	106_Corr	2.740	2.647	0.093
100	A132_Biased	2.359	2.072	0.287
100	A134_Biased	2.278	2.301	-0.023
100	A135_Biased	2.270	2.566	-0.296
100	B52_Biased	1.936	1.956	-0.020
100	B54_Biased	2.055	1.960	0.095
100	B55_Biased	2.362	2.247	0.115
100	B56_Biased	2.134	2.187	-0.053
100	B57_Biased	2.349	2.336	0.013
100	B59_Biased	2.450	2.566	-0.116
100	B62_Biased	2.140	2.356	-0.216
100	B63_Biased	2.328	2.046	0.282
100	B64_Biased	2.205	2.192	0.013
100	B66_Biased	1.992	2.099	-0.107
100	B68_Biased	2.456	2.429	0.027
100	C54_Biased	2.326	2.177	0.149
100	C55_Biased	2.224	2.453	-0.229
100	C56_Biased	2.562	2.803	-0.241
100	C57_Biased	2.323	2.423	-0.100
100	C58_Biased	2.645	2.850	-0.205
100	C59_Biased	2.585	2.534	0.051
100	C65_Biased	2.425	2.493	-0.068
100	C67_Biased	2.463	2.512	-0.049
100	A122_Unbiased	2.137	2.288	-0.151
100	A138_Unbiased	2.158	2.230	-0.072
100	A139_Unbiased	2.458	2.251	0.207
100	B60_Unbiased	1.705	2.547	-0.842
100	B61_Unbiased	2.044	2.262	-0.218
100	B69_Unbiased	1.705	1.744	-0.039
100	B70_Unbiased	2.044	2.229	-0.185
100	B71_Unbiased	2.458	2.431	0.027
100	B72_Unbiased	2.459	2.614	-0.155
100	B73_Unbiased	2.100	2.268	-0.168
100	B74_Unbiased	2.349	2.277	0.072
100	B77_Unbiased	2.358	2.148	0.210
100	B78_Unbiased	2.674	2.509	0.165
100	B79_Unbiased	1.851	2.060	-0.209
100	B80_Unbiased	2.289	2.358	-0.069
100	C70_Unbiased	2.677	2.662	0.015
100	C71_Unbiased	2.573	2.543	0.030
100	C72_Unbiased	2.650	2.348	0.302
100	C73_Unbiased	2.354	2.448	-0.094
100	C75_Unbiased	2.054	1.993	0.061
100	C76_Unbiased	2.567	2.762	-0.195
100	C79_Unbiased	2.169	2.228	-0.059
	Max	2.777	2.850	0.587
	Average	2.339	2.351	-0.012
	Min	1.705	1.744	-0.862
	Std Dev	0.249	0.225	0.194



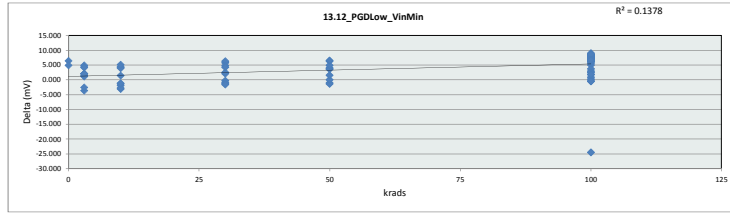
13.11_PG0_TurnOn_Delay_Vin3						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mSec				
Min Limit	0	mSec				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.156	1.958	1.993	1.990	2.029	1.744
Average	2.402	2.397	2.339	2.396	2.315	2.338
Max	2.647	2.734	2.628	2.762	2.650	2.850
UL	10.000	10.000	10.000	10.000	10.000	10.000



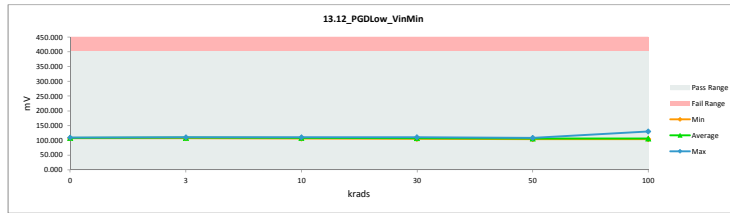
TID 100krad HDR Report
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13.12_PGDLow_VinMin			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	400	400	
Min Limit	0	0	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	114.023	107.590	6.433
3	A116_Biased	110.292	108.304	1.988
3	A117_Biased	108.887	107.465	1.422
3	B36_Biased	110.650	108.520	2.130
3	B37_Biased	106.760	110.360	-3.600
3	C39_Unbiased	112.509	108.108	4.401
3	A118_Unbiased	109.235	108.144	1.091
3	A140_Unbiased	114.023	109.099	4.924
3	B38_Unbiased	111.526	109.390	2.136
3	B39_Unbiased	106.996	109.533	-2.537
3	C40_Unbiased	113.367	109.277	4.090
10	A119_Biased	108.666	107.252	1.414
10	A120_Biased	102.875	105.952	-3.077
10	B40_Biased	107.198	109.155	-1.957
10	C41_Biased	112.896	108.573	4.323
10	C42_Biased	115.034	110.792	4.242
10	A121_Unbiased	105.137	107.909	-2.772
10	A124_Unbiased	105.419	106.838	-1.419
10	B41_Unbiased	107.098	108.214	-1.116
10	C43_Unbiased	111.808	107.940	3.868
10	C44_Unbiased	113.156	108.039	5.117
30	A125_Biased	105.923	106.194	-0.271
30	B42_Biased	111.745	109.615	2.130
30	B43_Biased	105.902	106.832	-0.930
30	C45_Biased	111.250	105.485	5.765
30	C46_Biased	112.235	105.893	6.342
30	A127_Unbiased	104.924	106.198	-1.274
30	B45_Unbiased	108.633	110.232	-1.599
30	B47_Unbiased	110.163	107.615	2.548
30	C47_Biased	114.029	109.242	4.787
30	C50_Unbiased	112.536	108.322	4.214
50	A128_Biased	109.361	105.376	3.985
50	A129_Biased	108.502	104.840	3.662
50	B48_Biased	105.392	106.473	-1.081
50	B49_Biased	106.488	107.852	-1.364
50	C51_Biased	112.490	106.236	6.254
50	A130_Unbiased	104.710	104.666	0.044
50	A131_Unbiased	107.485	103.908	3.577
50	B50_Unbiased	107.035	105.543	1.492
50	B51_Unbiased	111.284	106.410	4.874
50	C53_Unbiased	114.354	107.893	6.461
0	106_Corr	114.407	109.522	4.885
100	A132_Biased	104.750	104.477	0.273
100	A134_Biased	105.573	130.031	-24.458
100	A135_Biased	108.711	105.766	2.945
100	B52_Biased	111.243	106.193	5.050
100	B54_Biased	109.100	105.417	3.683
100	B55_Biased	105.433	104.578	0.855
100	B56_Biased	110.488	104.889	5.599
100	B57_Biased	106.658	107.042	-0.384
100	B59_Biased	107.339	107.849	-0.510
100	B62_Biased	112.845	105.544	7.301
100	B63_Biased	113.628	105.573	8.055
100	B64_Biased	112.728	104.721	8.007
100	B66_Biased	112.785	105.380	7.405
100	B68_Biased	112.494	105.308	7.186
100	C54_Biased	113.292	105.364	7.928
100	C55_Biased	113.677	106.692	6.985
100	C56_Biased	111.550	105.273	6.277
100	C57_Biased	115.503	107.593	7.910
100	C58_Biased	114.883	106.654	8.229
100	C59_Biased	114.105	106.409	7.696
100	C65_Biased	113.430	107.221	6.209
100	C67_Biased	115.067	107.556	7.511
100	A122_Unbiased	106.131	104.388	1.743
100	A138_Unbiased	106.363	103.890	2.473
100	A139_Unbiased	105.683	103.808	1.875
100	B60_Unbiased	114.099	105.827	8.272
100	B61_Unbiased	112.462	106.415	6.047
100	B69_Unbiased	114.099	106.301	7.798
100	B70_Unbiased	112.462	104.251	8.211
100	B71_Unbiased	114.728	107.037	7.691
100	B72_Unbiased	113.432	105.395	8.037
100	B73_Unbiased	113.314	105.994	7.320
100	B74_Unbiased	113.341	105.469	7.872
100	B77_Unbiased	112.613	106.115	6.498
100	B78_Unbiased	112.388	105.060	7.328
100	B79_Unbiased	112.901	105.419	7.482
100	B80_Unbiased	113.932	105.386	8.546
100	C70_Unbiased	113.439	106.140	7.299
100	C71_Unbiased	114.739	105.690	9.049
100	C72_Unbiased	113.558	106.084	7.474
100	C73_Unbiased	113.015	105.242	7.773
100	C75_Unbiased	113.982	106.013	7.969
100	C76_Unbiased	114.076	105.474	8.602
100	C79_Unbiased	112.152	105.418	6.734
	Max	115.503	130.031	9.049
	Average	110.751	106.944	3.808
	Min	102.875	103.808	-24.458
	Std Dev	3.346	3.006	4.663

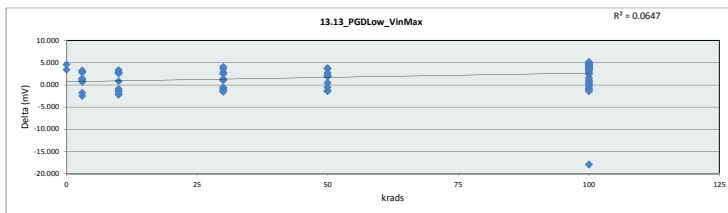


13.12_PGDLow_VinMin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	400					
Min Limit	0					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	107.590	107.465	105.952	105.485	103.908	103.808
Average	108.556	108.820	108.066	107.563	105.920	106.281
Max	109.522	110.360	110.792	110.232	107.893	130.031
UL	400.000	400.000	400.000	400.000	400.000	400.000

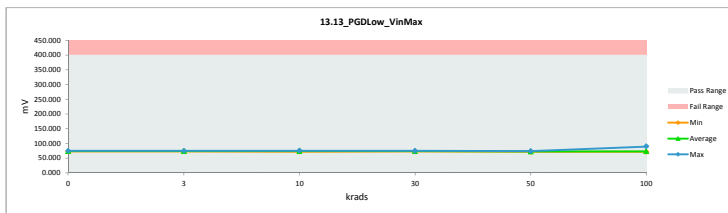


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13.13_PGDLow_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	400	400		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	77.639	73.087	4.552
3	A116_Biased	74.835	73.550	1.285
3	A117_Biased	74.120	73.205	0.915
3	B36_Biased	75.093	73.683	1.410
3	B37_Biased	72.349	74.821	-2.472
3	C39_Biased	76.971	73.973	2.998
3	A118_Unbiased	74.265	73.573	0.692
3	A140_Unbiased	77.439	74.355	3.284
3	B38_Unbiased	75.572	74.170	1.402
3	B39_Unbiased	72.629	74.416	-1.787
3	C40_Unbiased	77.254	74.492	2.762
10	A119_Biased	73.792	72.993	0.799
10	A120_Biased	70.092	72.538	-2.246
10	B40_Biased	72.456	73.954	-1.498
10	C41_Biased	76.974	74.133	2.841
10	C42_Biased	78.080	75.334	2.746
10	A121_Unbiased	71.271	73.345	-2.074
10	A124_Unbiased	71.742	72.892	-1.150
10	B41_Unbiased	72.627	73.567	-0.940
10	C43_Unbiased	76.428	73.917	2.511
10	C44_Unbiased	76.897	73.545	3.352
30	A125_Biased	71.931	72.496	-0.565
30	B42_Biased	75.617	74.584	1.033
30	B43_Biased	71.898	72.804	-0.906
30	C45_Biased	76.091	72.447	3.644
30	C46_Biased	76.721	72.697	4.024
30	A127_Unbiased	71.226	72.529	-1.203
30	B45_Unbiased	73.317	74.847	-1.530
30	B47_Unbiased	74.964	73.643	1.321
30	C47_Unbiased	77.351	74.512	2.839
30	C50_Unbiased	76.739	74.259	2.480
50	A128_Biased	74.270	72.133	2.137
50	A129_Biased	73.757	71.812	1.945
50	B48_Biased	71.512	72.916	-1.404
50	B49_Biased	71.938	73.323	-1.385
50	C51_Biased	76.365	72.710	3.655
50	A130_Unbiased	71.199	71.785	-0.586
50	A131_Unbiased	73.268	71.353	1.915
50	B50_Unbiased	72.777	72.345	0.432
50	B51_Unbiased	75.528	72.866	2.662
50	C53_Unbiased	77.747	73.975	3.772
0	106_Corr	78.112	74.741	3.371
100	A132_Biased	71.133	71.957	-0.824
100	A134_Biased	71.722	89.672	-17.950
100	A135_Biased	73.806	72.787	1.019
100	B52_Biased	75.495	73.102	2.393
100	B54_Biased	73.923	72.416	1.507
100	B55_Biased	72.017	72.375	-0.358
100	B56_Biased	75.037	72.220	2.817
100	B57_Biased	72.199	73.224	-1.025
100	B59_Biased	72.583	73.986	-1.403
100	B62_Biased	76.540	72.524	4.016
100	B63_Biased	77.087	72.584	4.533
100	B64_Biased	76.603	72.094	4.509
100	B66_Biased	76.568	72.518	4.050
100	B68_Biased	76.418	72.245	4.173
100	C54_Biased	76.832	72.417	4.415
100	C55_Biased	77.051	73.300	3.751
100	C56_Biased	76.292	72.938	3.354
100	C57_Biased	78.352	73.981	4.371
100	C58_Biased	78.042	73.129	4.913
100	C59_Biased	77.456	73.245	4.211
100	C65_Biased	77.093	73.839	3.254
100	C67_Biased	77.958	73.802	4.156
100	A122_Unbiased	71.982	71.890	0.092
100	A138_Unbiased	72.633	71.970	0.663
100	A139_Unbiased	71.836	71.613	0.223
100	B60_Unbiased	77.391	72.931	4.460
100	B61_Unbiased	76.515	72.934	3.581
100	B69_Unbiased	77.391	73.195	4.196
100	B70_Unbiased	76.515	71.922	4.593
100	B71_Unbiased	77.724	73.595	4.139
100	B72_Unbiased	76.968	72.540	4.428
100	B73_Unbiased	76.962	73.074	3.888
100	B74_Unbiased	76.923	72.545	4.378
100	B77_Unbiased	76.518	73.176	3.342
100	B78_Unbiased	76.287	72.241	3.946
100	B79_Unbiased	76.559	72.505	4.054
100	B80_Unbiased	77.347	72.497	4.850
100	C70_Unbiased	77.194	73.294	3.900
100	C71_Unbiased	78.094	72.937	5.157
100	C72_Unbiased	77.271	73.254	4.017
100	C73_Unbiased	77.087	72.817	4.270
100	C75_Unbiased	77.358	72.941	4.417
100	C76_Unbiased	77.650	72.804	4.846
100	C79_Unbiased	76.577	73.040	3.537
	Max	78.352	89.672	5.157
	Average	75.256	73.305	1.951
	Min	70.092	71.353	-17.950
	Std Dev	2.305	1.971	3.082



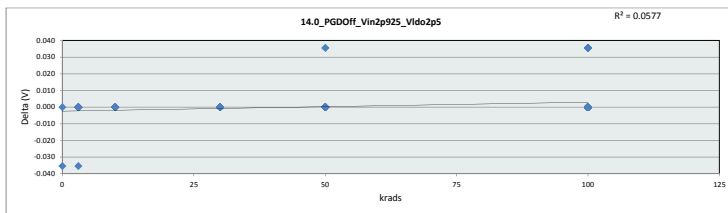
13.13_PGDLow_VinMax						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	400	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	73.087	73.205	72.338	72.447	71.353	71.613
Average	73.914	74.024	73.602	73.482	72.522	73.185
Max	74.741	74.821	75.334	74.847	73.975	89.672
UL	400.000	400.000	400.000	400.000	400.000	400.000



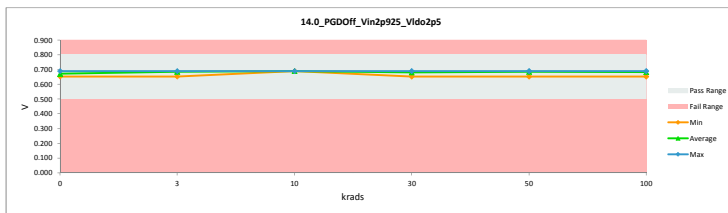
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14.0_PGDOFF_Vin2p925_Vldo2p5			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.8	0.8	
Min Limit	0.5	0.5	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.654	0.689	-0.035
3	A116_Biased	0.689	0.689	0.000
3	A117_Biased	0.689	0.689	0.000
3	B36_Biased	0.689	0.689	0.000
3	B37_Biased	0.689	0.689	0.000
3	C39_Biased	0.689	0.689	0.000
3	A118_Unbiased	0.654	0.654	0.000
3	A140_Unbiased	0.654	0.689	-0.035
3	B38_Unbiased	0.689	0.689	0.000
3	B39_Unbiased	0.689	0.689	0.000
3	C40_Unbiased	0.689	0.689	0.000
10	A119_Biased	0.689	0.689	0.000
10	A120_Biased	0.689	0.689	0.000
10	B40_Biased	0.689	0.689	0.000
10	C41_Biased	0.689	0.689	0.000
10	C42_Biased	0.689	0.689	0.000
10	A121_Unbiased	0.689	0.689	0.000
10	A124_Unbiased	0.689	0.689	0.000
10	B41_Unbiased	0.689	0.689	0.000
10	C43_Unbiased	0.689	0.689	0.000
10	C44_Unbiased	0.689	0.689	0.000
30	A125_Biased	0.689	0.689	0.000
30	B42_Biased	0.689	0.689	0.000
30	B43_Biased	0.689	0.689	0.000
30	C45_Biased	0.689	0.689	0.000
30	C46_Biased	0.654	0.654	0.000
30	A127_Unbiased	0.689	0.689	0.000
30	B45_Unbiased	0.689	0.689	0.000
30	B47_Unbiased	0.654	0.654	0.000
30	C47_Unbiased	0.689	0.689	0.000
30	C50_Unbiased	0.689	0.689	0.000
50	A128_Biased	0.689	0.689	0.000
50	A129_Biased	0.689	0.689	0.000
50	B48_Biased	0.689	0.689	0.000
50	B49_Biased	0.689	0.689	0.000
50	C51_Biased	0.689	0.689	0.000
50	A130_Unbiased	0.689	0.654	0.035
50	A131_Unbiased	0.689	0.689	0.000
50	B50_Unbiased	0.689	0.689	0.000
50	B51_Unbiased	0.689	0.689	0.000
50	C53_Unbiased	0.689	0.689	0.000
0	106_Corr	0.654	0.654	0.000
100	A132_Biased	0.689	0.689	0.000
100	A134_Biased	0.689	0.654	0.035
100	A135_Biased	0.689	0.689	0.000
100	B52_Biased	0.689	0.689	0.000
100	B54_Biased	0.689	0.689	0.000
100	B55_Biased	0.689	0.654	0.035
100	B56_Biased	0.689	0.689	0.000
100	B57_Biased	0.689	0.689	0.000
100	B59_Biased	0.689	0.689	0.000
100	B62_Biased	0.689	0.689	0.000
100	B63_Biased	0.689	0.689	0.000
100	B64_Biased	0.654	0.654	0.000
100	B66_Biased	0.689	0.689	0.000
100	B68_Biased	0.654	0.654	0.000
100	C54_Biased	0.689	0.689	0.000
100	C55_Biased	0.689	0.689	0.000
100	C56_Biased	0.689	0.689	0.000
100	C57_Biased	0.689	0.689	0.000
100	C58_Biased	0.689	0.689	0.000
100	C59_Biased	0.689	0.689	0.000
100	C65_Biased	0.654	0.654	0.000
100	C67_Biased	0.689	0.689	0.000
100	A122_Unbiased	0.689	0.689	0.000
100	A138_Unbiased	0.654	0.654	0.000
100	A139_Unbiased	0.689	0.654	0.035
100	B60_Unbiased	0.689	0.689	0.000
100	B61_Unbiased	0.689	0.689	0.000
100	B69_Unbiased	0.689	0.689	0.000
100	B70_Unbiased	0.689	0.689	0.000
100	B71_Unbiased	0.689	0.689	0.000
100	B72_Unbiased	0.689	0.689	0.000
100	B73_Unbiased	0.654	0.654	0.000
100	B74_Unbiased	0.689	0.689	0.000
100	B77_Unbiased	0.689	0.689	0.000
100	B78_Unbiased	0.689	0.689	0.000
100	B79_Unbiased	0.689	0.689	0.000
100	B80_Unbiased	0.689	0.689	0.000
100	C70_Unbiased	0.689	0.689	0.000
100	C71_Unbiased	0.689	0.689	0.000
100	C72_Unbiased	0.689	0.689	0.000
100	C73_Unbiased	0.689	0.689	0.000
100	C75_Unbiased	0.689	0.689	0.000
100	C76_Unbiased	0.689	0.689	0.000
100	C79_Unbiased	0.689	0.689	0.000
	Max	0.689	0.689	0.035
	Average	0.685	0.684	0.001
	Min	0.654	0.654	-0.035
	Std Dev	0.012	0.013	0.009

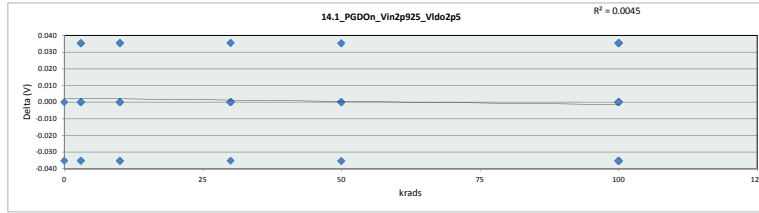


14.0_PGDOFF_Vin2p925_Vldo2						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.5	V				
krads	0	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.654	0.654	0.689	0.654	0.654	0.654
Average	0.672	0.686	0.689	0.682	0.686	0.683
Max	0.689	0.689	0.689	0.689	0.689	0.689
UL	0.800	0.800	0.800	0.800	0.800	0.800

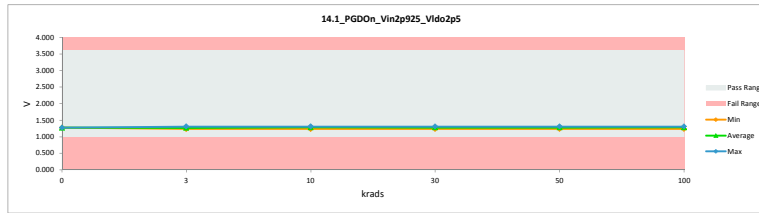


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14.1_PGDOn_Vin2p925_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	3.6	3.6		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.273	1.273	0.000
3	A116_Biased	1.273	1.237	0.035
3	A117_Biased	1.273	1.273	0.000
3	B36_Biased	1.273	1.237	0.035
3	B37_Biased	1.273	1.237	0.035
3	C39_Unbiased	1.308	1.308	0.000
3	A118_Unbiased	1.273	1.273	0.000
3	A140_Unbiased	1.273	1.273	0.000
3	B38_Unbiased	1.308	1.308	0.000
3	B39_Unbiased	1.237	1.273	-0.035
3	C40_Unbiased	1.237	1.273	-0.035
10	A119_Biased	1.273	1.273	0.000
10	A120_Biased	1.237	1.273	-0.035
10	B40_Biased	1.308	1.308	0.000
10	C41_Biased	1.308	1.273	0.035
10	C42_Biased	1.273	1.308	-0.035
10	A121_Unbiased	1.308	1.308	0.000
10	A124_Unbiased	1.273	1.273	0.000
10	B41_Unbiased	1.273	1.237	0.035
10	C43_Unbiased	1.308	1.273	0.035
10	C44_Unbiased	1.308	1.308	0.000
30	A125_Biased	1.237	1.237	0.000
30	B42_Biased	1.308	1.308	0.000
30	B43_Biased	1.273	1.273	0.000
30	C45_Biased	1.308	1.308	0.000
30	C46_Biased	1.273	1.273	0.000
30	A127_Unbiased	1.237	1.273	-0.035
30	B45_Unbiased	1.308	1.273	0.035
30	B47_Unbiased	1.273	1.273	0.000
30	C47_Unbiased	1.308	1.308	0.000
30	C50_Unbiased	1.308	1.273	0.035
50	A128_Biased	1.273	1.273	0.000
50	A129_Biased	1.273	1.273	0.000
50	B48_Biased	1.273	1.308	-0.035
50	B49_Biased	1.273	1.273	0.000
50	C51_Biased	1.273	1.237	0.035
50	A130_Unbiased	1.273	1.273	0.000
50	A131_Unbiased	1.273	1.237	0.035
50	B50_Unbiased	1.308	1.308	0.000
50	B51_Unbiased	1.273	1.308	-0.035
50	C53_Unbiased	1.308	1.308	0.000
0	106_Corr	1.237	1.273	-0.035
100	A132_Biased	1.308	1.273	0.035
100	A134_Biased	1.273	1.237	0.035
100	A135_Biased	1.308	1.308	0.000
100	B52_Biased	1.308	1.273	0.035
100	B54_Biased	1.308	1.273	0.035
100	B55_Biased	1.237	1.273	-0.035
100	B56_Biased	1.273	1.273	0.000
100	B57_Biased	1.273	1.273	0.000
100	B59_Biased	1.273	1.308	-0.035
100	B62_Biased	1.273	1.308	-0.035
100	B63_Biased	1.273	1.308	-0.035
100	B64_Biased	1.237	1.237	0.000
100	B66_Biased	1.273	1.308	-0.035
100	B68_Biased	1.273	1.273	0.000
100	C54_Biased	1.308	1.308	0.000
100	C55_Biased	1.273	1.273	0.000
100	C56_Biased	1.308	1.308	0.000
100	C57_Biased	1.308	1.308	0.000
100	C58_Biased	1.308	1.273	0.035
100	C59_Biased	1.273	1.308	-0.035
100	C65_Biased	1.308	1.308	0.000
100	C67_Biased	1.273	1.273	0.000
100	A122_Unbiased	1.308	1.308	0.000
100	A138_Unbiased	1.273	1.237	0.035
100	A139_Unbiased	1.273	1.237	0.035
100	B60_Unbiased	1.273	1.273	0.000
100	B61_Unbiased	1.273	1.273	0.000
100	B69_Unbiased	1.273	1.273	0.000
100	B70_Unbiased	1.273	1.237	0.035
100	B71_Unbiased	1.237	1.273	-0.035
100	B72_Unbiased	1.237	1.273	-0.035
100	B73_Unbiased	1.273	1.273	0.000
100	B74_Unbiased	1.237	1.273	-0.035
100	B77_Unbiased	1.273	1.308	-0.035
100	B78_Unbiased	1.273	1.308	-0.035
100	B79_Unbiased	1.273	1.273	0.000
100	B80_Unbiased	1.308	1.308	0.000
100	C70_Unbiased	1.273	1.273	0.000
100	C71_Unbiased	1.308	1.308	0.000
100	C72_Unbiased	1.273	1.273	0.000
100	C73_Unbiased	1.308	1.308	0.000
100	C75_Unbiased	1.308	1.308	0.000
100	C76_Unbiased	1.308	1.273	0.035
100	C79_Unbiased	1.308	1.308	0.000
	Max	1.308	1.308	0.035
	Average	1.281	1.281	0.000
	Min	1.237	1.237	-0.035
	Std Dev	0.023	0.024	0.024

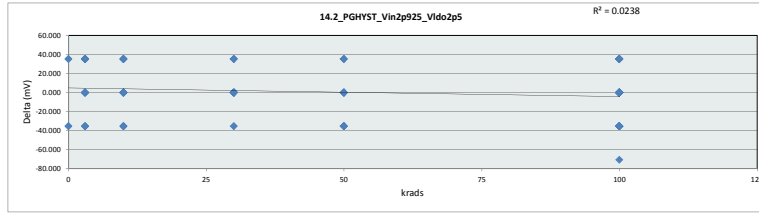


14.1_PGDOn_Vin2p925_Vldo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	3.6	V				
Min Limit	1	V				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.273	1.237	1.237	1.237	1.237	1.237
Average	1.273	1.269	1.283	1.280	1.280	1.283
Max	1.273	1.308	1.308	1.308	1.308	1.308
UL	3.600	3.600	3.600	3.600	3.600	3.600

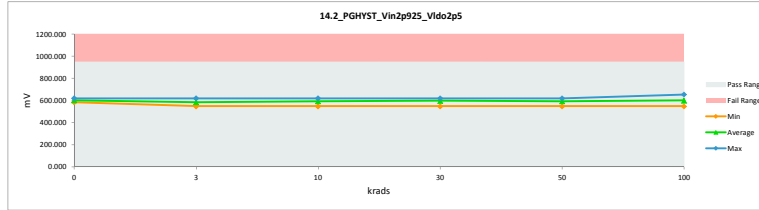


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14_2_PGHYST_Vin2p925_VIdo2p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	618.687	583.333	35.354
3	A116_Biased	583.333	547.980	35.353
3	A117_Biased	583.333	583.333	0.000
3	B36_Biased	583.333	547.980	35.353
3	B37_Biased	583.333	547.980	35.353
3	C39_Unbiased	618.687	618.687	0.000
3	A118_Unbiased	618.687	618.687	0.000
3	A140_Unbiased	618.687	583.333	35.354
3	B38_Unbiased	618.687	618.687	0.000
3	B39_Unbiased	547.980	583.333	-35.353
3	C40_Unbiased	547.980	583.333	-35.353
10	A119_Biased	583.333	583.333	0.000
10	A120_Biased	547.980	583.333	-35.353
10	B40_Biased	618.687	618.687	0.000
10	C41_Biased	618.687	583.333	35.354
10	C42_Biased	583.333	618.687	-35.354
10	A121_Unbiased	618.687	618.687	0.000
10	A124_Unbiased	583.333	583.333	0.000
10	B41_Unbiased	583.333	547.980	35.353
10	C43_Unbiased	618.687	583.333	35.354
10	C44_Unbiased	618.687	618.687	0.000
30	A125_Biased	547.980	547.980	0.000
30	B42_Biased	618.687	618.687	0.000
30	B43_Biased	583.333	583.333	0.000
30	C45_Biased	618.687	618.687	0.000
30	C46_Biased	618.687	618.687	0.000
30	A127_Unbiased	547.980	583.333	-35.353
30	B45_Unbiased	618.687	583.333	35.354
30	B47_Unbiased	618.687	618.687	0.000
30	C47_Unbiased	618.687	618.687	0.000
30	C50_Unbiased	618.687	583.333	35.354
50	A128_Biased	583.333	583.333	0.000
50	A129_Biased	583.333	583.333	0.000
50	B48_Biased	583.333	618.687	-35.354
50	B49_Biased	583.333	583.333	0.000
50	C51_Biased	583.333	547.980	35.353
50	A130_Unbiased	583.333	618.687	-35.354
50	A131_Unbiased	583.333	547.980	35.353
50	B50_Unbiased	618.687	618.687	0.000
50	B51_Unbiased	583.333	618.687	-35.354
50	C53_Unbiased	618.687	618.687	0.000
0	106_Corr	583.333	618.687	-35.354
100	A132_Biased	618.687	583.333	35.354
100	A134_Biased	583.333	583.333	0.000
100	A135_Biased	618.687	618.687	0.000
100	B52_Biased	618.687	583.333	35.354
100	B54_Biased	618.687	583.333	35.354
100	B55_Biased	547.980	618.687	-70.707
100	B56_Biased	583.333	583.333	0.000
100	B57_Biased	583.333	583.333	0.000
100	B59_Biased	583.333	618.687	-35.354
100	B62_Biased	583.333	618.687	-35.354
100	B63_Biased	583.333	618.687	-35.354
100	B64_Biased	583.333	583.333	0.000
100	B66_Biased	583.333	618.687	-35.354
100	B68_Biased	618.687	618.687	0.000
100	C54_Biased	618.687	618.687	0.000
100	C55_Biased	583.333	583.333	0.000
100	C56_Biased	618.687	618.687	0.000
100	C57_Biased	618.687	618.687	0.000
100	C58_Biased	618.687	583.333	35.354
100	C59_Biased	583.333	618.687	-35.354
100	C65_Biased	654.040	654.040	0.000
100	C67_Biased	583.333	583.333	0.000
100	A122_Unbiased	618.687	618.687	0.000
100	A138_Unbiased	618.687	583.333	35.354
100	A139_Unbiased	583.333	583.333	0.000
100	B60_Unbiased	583.333	583.333	0.000
100	B61_Unbiased	583.333	583.333	0.000
100	B69_Unbiased	583.333	583.333	0.000
100	B70_Unbiased	583.333	547.980	35.353
100	B71_Unbiased	547.980	583.333	-35.353
100	B72_Unbiased	547.980	583.333	-35.353
100	B73_Unbiased	618.687	618.687	0.000
100	B74_Unbiased	547.980	583.333	-35.353
100	B77_Unbiased	583.333	618.687	-35.354
100	B78_Unbiased	583.333	618.687	-35.354
100	B79_Unbiased	583.333	583.333	0.000
100	B80_Unbiased	618.687	618.687	0.000
100	C70_Unbiased	583.333	583.333	0.000
100	C71_Unbiased	618.687	618.687	0.000
100	C72_Unbiased	583.333	583.333	0.000
100	C73_Unbiased	618.687	618.687	0.000
100	C75_Unbiased	618.687	618.687	0.000
100	C76_Unbiased	618.687	583.333	35.354
100	C78_Unbiased	618.687	618.687	0.000
	Max	654.040	654.040	35.354
	Average	595.666	596.488	-0.822
	Min	547.980	547.980	-70.707
	Std Dev	24.111	23.667	24.838

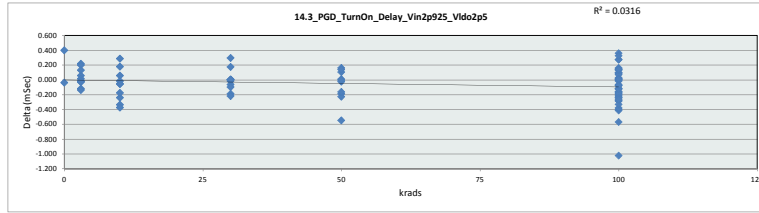


14_2_PGHYST_Vin2p925_VIdo2p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	583.333	547.980	547.980	547.980	547.980	547.980
Average	601.010	583.333	593.939	597.475	593.939	600.207
Max	618.687	618.687	618.687	618.687	618.687	654.040
UL	950.000	950.000	950.000	950.000	950.000	950.000

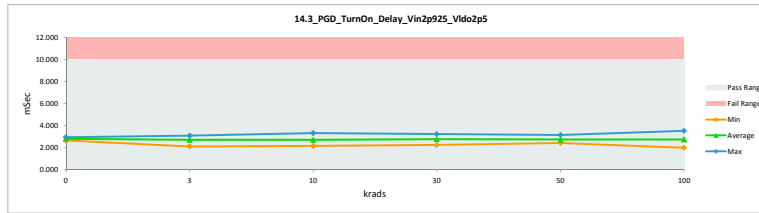


TID 100krad HDR Report
TPS7H3301-SP

14.3_PGD_TurnOn_Delay_Vin2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.059	2.661	0.398
3	A116_Biased	2.663	2.605	0.058
3	A117_Biased	2.356	2.474	-0.118
3	B36_Biased	2.743	2.729	0.014
3	B37_Biased	2.342	2.126	0.216
3	C39_Unbiased	3.260	3.059	0.201
3	A118_Unbiased	2.380	2.399	-0.018
3	A140_Unbiased	3.059	3.090	-0.031
3	B38_Unbiased	2.889	2.758	0.131
3	B39_Unbiased	3.031	3.055	-0.024
3	C40_Unbiased	2.830	2.966	-0.136
10	A119_Biased	2.145	2.163	-0.018
10	A120_Biased	2.502	2.742	-0.240
10	B40_Biased	2.360	2.698	-0.338
10	C41_Biased	3.272	3.327	-0.055
10	C42_Biased	2.728	2.549	0.179
10	A121_Unbiased	2.756	2.471	0.285
10	A124_Unbiased	2.369	2.746	-0.377
10	B41_Unbiased	2.855	2.911	-0.056
10	C43_Unbiased	2.778	2.720	0.058
10	C44_Unbiased	2.687	2.863	-0.176
30	A125_Biased	3.228	3.232	-0.004
30	B42_Biased	3.064	2.888	0.176
30	B43_Biased	2.644	2.633	0.001
30	C45_Biased	2.999	3.190	-0.191
30	C46_Biased	2.357	2.575	-0.218
30	A127_Unbiased	2.903	2.267	0.636
30	B45_Unbiased	2.683	2.701	-0.018
30	B47_Unbiased	2.471	2.471	0.000
30	C47_Unbiased	2.885	2.880	0.005
30	C50_Unbiased	3.141	3.238	-0.097
50	A128_Biased	2.564	2.457	0.107
50	A129_Biased	2.775	2.767	0.008
50	B48_Biased	2.802	2.992	-0.190
50	B49_Biased	2.849	2.689	0.160
50	C51_Biased	2.794	3.020	-0.226
50	A130_Unbiased	2.667	2.690	-0.023
50	A131_Unbiased	2.574	2.435	0.139
50	B50_Unbiased	2.550	2.555	-0.005
50	B51_Unbiased	2.110	2.657	-0.547
50	C53_Unbiased	2.989	3.154	-0.165
0	106_Corr	2.907	2.944	-0.037
100	A132_Biased	2.441	2.437	0.004
100	A134_Biased	2.884	2.611	0.273
100	A135_Biased	2.942	3.058	-0.116
100	B52_Biased	2.245	2.420	-0.175
100	B54_Biased	2.253	2.468	-0.215
100	B55_Biased	2.633	2.272	0.361
100	B56_Biased	2.568	2.852	-0.284
100	B57_Biased	2.689	2.663	0.026
100	B59_Biased	3.000	2.857	0.143
100	B62_Biased	2.733	2.574	0.159
100	B63_Biased	2.429	2.666	-0.237
100	B64_Biased	2.519	2.424	0.095
100	B66_Biased	2.402	2.566	-0.164
100	B68_Biased	2.722	3.008	-0.286
100	C54_Biased	2.771	2.689	0.082
100	C55_Biased	2.707	2.906	-0.199
100	C56_Biased	2.899	2.880	0.019
100	C57_Biased	2.787	2.689	0.098
100	C58_Biased	3.368	3.525	-0.157
100	C59_Biased	3.126	3.055	0.071
100	C65_Biased	2.552	2.674	-0.122
100	C67_Biased	2.933	2.803	0.130
100	A122_Unbiased	2.766	2.492	0.274
100	A138_Unbiased	2.689	2.696	-0.007
100	A139_Unbiased	2.771	2.624	0.147
100	B60_Unbiased	1.998	3.022	-1.024
100	B61_Unbiased	2.273	2.844	-0.571
100	B69_Unbiased	1.998	1.987	0.011
100	B70_Unbiased	2.273	2.507	-0.234
100	B71_Unbiased	2.821	2.896	-0.075
100	B72_Unbiased	2.920	2.780	0.140
100	B73_Unbiased	2.187	2.369	-0.182
100	B74_Unbiased	2.519	2.763	-0.244
100	B77_Unbiased	2.713	2.389	0.324
100	B78_Unbiased	2.720	2.784	-0.064
100	B79_Unbiased	2.077	2.492	-0.415
100	B80_Unbiased	2.484	2.879	-0.395
100	C70_Unbiased	2.933	3.313	-0.380
100	C71_Unbiased	2.905	3.090	-0.185
100	C72_Unbiased	2.921	2.936	-0.015
100	C73_Unbiased	2.855	3.185	-0.330
100	C75_Unbiased	2.576	2.651	-0.075
100	C76_Unbiased	3.164	3.430	-0.266
100	C79_Unbiased	3.171	3.161	0.010
	Max	3.368	3.525	0.398
	Average	2.695	2.752	-0.057
	Min	1.998	1.987	-1.024
	Std Dev	0.310	0.295	0.225

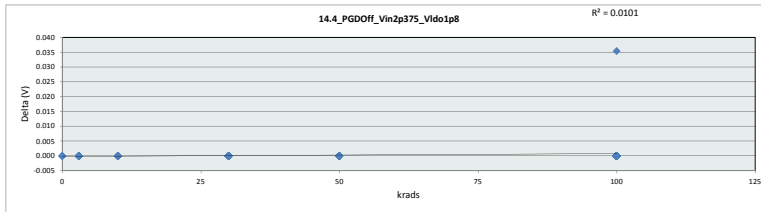


14.3_PGD_TurnOn_Delay_Vin2						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mSec				
Min Limit	0	mSec				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.661	2.126	2.163	2.267	2.435	1.987
Average	2.803	2.726	2.719	2.781	2.742	2.759
Max	2.944	3.090	3.327	3.238	3.154	3.525
UL	10.000	10.000	10.000	10.000	10.000	10.000

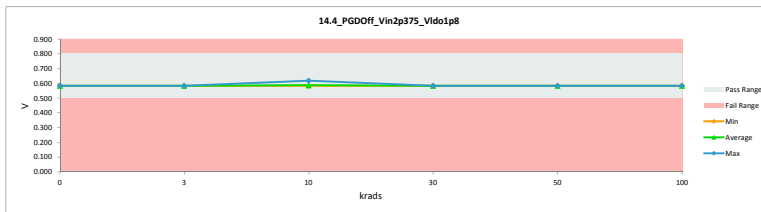


TID 100krad HDR Report
TPS7H3301-SP

14.4_PGDORF_Vin2p375_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.5	0.5		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.583	0.583	0.000
3	A116_Biased	0.583	0.583	0.000
3	A117_Biased	0.583	0.583	0.000
3	B36_Biased	0.583	0.583	0.000
3	B37_Biased	0.583	0.583	0.000
3	C39_Biased	0.583	0.583	0.000
3	A118_Unbiased	0.583	0.583	0.000
3	A140_Unbiased	0.583	0.583	0.000
3	B38_Unbiased	0.583	0.583	0.000
3	B39_Unbiased	0.583	0.583	0.000
3	C40_Unbiased	0.583	0.583	0.000
10	A119_Biased	0.583	0.583	0.000
10	A120_Biased	0.619	0.619	0.000
10	B40_Biased	0.583	0.583	0.000
10	C41_Biased	0.583	0.583	0.000
10	C42_Biased	0.583	0.583	0.000
10	A121_Unbiased	0.583	0.583	0.000
10	A124_Unbiased	0.583	0.583	0.000
10	B41_Unbiased	0.583	0.583	0.000
10	C43_Unbiased	0.583	0.583	0.000
10	C44_Unbiased	0.583	0.583	0.000
30	A125_Biased	0.583	0.583	0.000
30	B42_Biased	0.583	0.583	0.000
30	B43_Biased	0.583	0.583	0.000
30	C45_Biased	0.583	0.583	0.000
30	C46_Biased	0.583	0.583	0.000
30	A127_Unbiased	0.583	0.583	0.000
30	B45_Unbiased	0.583	0.583	0.000
30	B47_Unbiased	0.583	0.583	0.000
30	C47_Unbiased	0.583	0.583	0.000
30	C50_Unbiased	0.583	0.583	0.000
50	A128_Biased	0.583	0.583	0.000
50	A129_Biased	0.583	0.583	0.000
50	B48_Biased	0.583	0.583	0.000
50	B49_Biased	0.583	0.583	0.000
50	C51_Biased	0.583	0.583	0.000
50	A130_Unbiased	0.583	0.583	0.000
50	A131_Unbiased	0.583	0.583	0.000
50	B50_Unbiased	0.583	0.583	0.000
50	B51_Unbiased	0.583	0.583	0.000
50	C53_Unbiased	0.583	0.583	0.000
0	106_Corr	0.583	0.583	0.000
100	A132_Biased	0.583	0.583	0.000
100	A134_Biased	0.583	0.583	0.000
100	A135_Biased	0.583	0.583	0.000
100	B52_Biased	0.583	0.583	0.000
100	B54_Biased	0.583	0.583	0.000
100	B55_Biased	0.583	0.583	0.000
100	B56_Biased	0.583	0.583	0.000
100	B57_Biased	0.583	0.583	0.000
100	B59_Biased	0.619	0.583	0.035
100	B62_Biased	0.583	0.583	0.000
100	B63_Biased	0.583	0.583	0.000
100	B64_Biased	0.583	0.583	0.000
100	B66_Biased	0.583	0.583	0.000
100	B68_Biased	0.583	0.583	0.000
100	C54_Biased	0.583	0.583	0.000
100	C55_Biased	0.583	0.583	0.000
100	C56_Biased	0.583	0.583	0.000
100	C57_Biased	0.583	0.583	0.000
100	C58_Biased	0.583	0.583	0.000
100	C59_Biased	0.583	0.583	0.000
100	C65_Biased	0.583	0.583	0.000
100	C67_Biased	0.583	0.583	0.000
100	A122_Unbiased	0.583	0.583	0.000
100	A138_Unbiased	0.583	0.583	0.000
100	A139_Unbiased	0.583	0.583	0.000
100	B60_Unbiased	0.583	0.583	0.000
100	B61_Unbiased	0.583	0.583	0.000
100	B69_Unbiased	0.583	0.583	0.000
100	B70_Unbiased	0.583	0.583	0.000
100	B71_Unbiased	0.583	0.583	0.000
100	B72_Unbiased	0.583	0.583	0.000
100	B73_Unbiased	0.583	0.583	0.000
100	B74_Unbiased	0.583	0.583	0.000
100	B77_Unbiased	0.583	0.583	0.000
100	B78_Unbiased	0.583	0.583	0.000
100	B79_Unbiased	0.583	0.583	0.000
100	B80_Unbiased	0.583	0.583	0.000
100	C70_Unbiased	0.583	0.583	0.000
100	C71_Unbiased	0.583	0.583	0.000
100	C72_Unbiased	0.583	0.583	0.000
100	C73_Unbiased	0.583	0.583	0.000
100	C75_Unbiased	0.583	0.583	0.000
100	C76_Unbiased	0.583	0.583	0.000
100	C79_Unbiased	0.583	0.583	0.000
	Max	0.619	0.619	0.035
	Average	0.584	0.584	0.000
	Min	0.583	0.583	0.000
	Std Dev	0.005	0.004	0.004

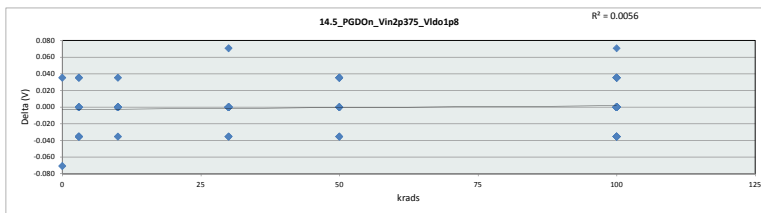


14.4_PGDORF_Vin2p375_Vldo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.5	V				
krads	0	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.583	0.583	0.583	0.583	0.583	0.583
Average	0.583	0.583	0.587	0.583	0.583	0.583
Max	0.583	0.583	0.619	0.583	0.583	0.583
UL	0.800	0.800	0.800	0.800	0.800	0.800

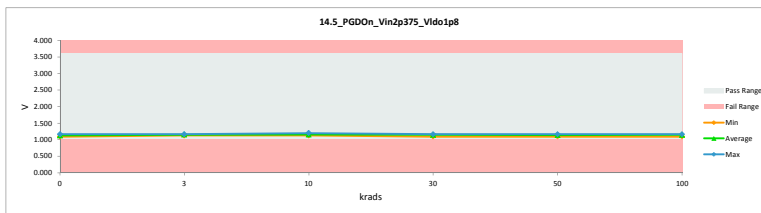


TID 100krad HDR Report
TPS7H3301-SP

14.5_PGDOn_Vin2p375_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	3.6	3.6		
Min Limit				
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.096	1.167	-0.071
3	A116_Biased	1.167	1.167	0.000
3	A117_Biased	1.167	1.131	0.035
3	B36_Biased	1.167	1.167	0.000
3	B37_Biased	1.167	1.131	0.035
3	C39_Biased	1.167	1.167	0.000
3	A118_Unbiased	1.096	1.131	-0.035
3	A140_Unbiased	1.096	1.131	-0.035
3	B38_Unbiased	1.131	1.167	-0.035
3	B39_Unbiased	1.167	1.167	0.000
3	C40_Unbiased	1.131	1.167	-0.035
10	A119_Biased	1.131	1.131	0.000
10	A120_Biased	1.131	1.131	0.000
10	B40_Biased	1.167	1.167	0.000
10	C41_Biased	1.167	1.202	-0.035
10	C42_Biased	1.167	1.167	0.000
10	A121_Unbiased	1.131	1.131	0.000
10	A124_Unbiased	1.167	1.167	0.000
10	B41_Unbiased	1.167	1.131	0.035
10	C43_Unbiased	1.167	1.167	0.000
10	C44_Unbiased	1.167	1.167	0.000
30	A125_Biased	1.167	1.167	0.000
30	B42_Biased	1.167	1.167	0.000
30	B43_Biased	1.167	1.096	0.071
30	C45_Biased	1.167	1.167	0.000
30	C46_Biased	1.167	1.167	0.000
30	A127_Unbiased	1.096	1.131	-0.035
30	B45_Unbiased	1.131	1.131	0.000
30	B47_Unbiased	1.131	1.131	0.000
30	C47_Unbiased	1.131	1.167	-0.035
30	C50_Unbiased	1.167	1.167	0.000
50	A128_Biased	1.167	1.131	0.035
50	A129_Biased	1.131	1.131	0.000
50	B48_Biased	1.167	1.167	0.000
50	B49_Biased	1.167	1.131	0.035
50	C51_Biased	1.131	1.131	-0.035
50	A130_Unbiased	1.131	1.096	0.035
50	A131_Unbiased	1.096	1.096	0.000
50	B50_Unbiased	1.131	1.167	-0.035
50	B51_Unbiased	1.167	1.131	0.035
50	C53_Unbiased	1.167	1.167	0.000
0	106_Corr	1.131	1.096	0.035
100	A132_Biased	1.131	1.131	0.000
100	A134_Biased	1.167	1.096	0.071
100	A135_Biased	1.167	1.167	0.000
100	B52_Biased	1.167	1.167	0.000
100	B54_Biased	1.131	1.167	-0.035
100	B55_Biased	1.131	1.131	0.000
100	B56_Biased	1.167	1.167	0.000
100	B57_Biased	1.167	1.131	0.035
100	B59_Biased	1.167	1.167	0.000
100	B62_Biased	1.167	1.131	0.035
100	B63_Biased	1.167	1.167	0.000
100	B64_Biased	1.167	1.167	0.000
100	B66_Biased	1.167	1.167	0.000
100	B68_Biased	1.131	1.167	-0.035
100	C54_Biased	1.167	1.167	0.000
100	C55_Biased	1.167	1.167	0.000
100	C56_Biased	1.131	1.167	-0.035
100	C57_Biased	1.167	1.167	0.000
100	C58_Biased	1.167	1.131	0.035
100	C59_Biased	1.131	1.131	0.000
100	C65_Biased	1.167	1.167	0.000
100	C67_Biased	1.131	1.167	-0.035
100	A122_Unbiased	1.167	1.131	0.035
100	A138_Unbiased	1.131	1.131	0.000
100	A139_Unbiased	1.131	1.096	0.035
100	B60_Unbiased	1.131	1.131	-0.035
100	B61_Unbiased	1.131	1.167	-0.035
100	B69_Unbiased	1.131	1.131	0.000
100	B70_Unbiased	1.131	1.131	0.000
100	B71_Unbiased	1.167	1.131	0.035
100	B72_Unbiased	1.167	1.131	0.035
100	B73_Unbiased	1.096	1.131	-0.035
100	B74_Unbiased	1.131	1.131	0.000
100	B77_Unbiased	1.167	1.167	0.000
100	B78_Unbiased	1.131	1.131	0.000
100	B79_Unbiased	1.131	1.131	0.000
100	B80_Unbiased	1.131	1.167	-0.035
100	C70_Unbiased	1.167	1.131	0.035
100	C71_Unbiased	1.167	1.167	0.000
100	C72_Unbiased	1.167	1.167	0.000
100	C73_Unbiased	1.167	1.167	0.000
100	C75_Unbiased	1.131	1.167	-0.035
100	C76_Unbiased	1.167	1.167	0.000
100	C79_Unbiased	1.167	1.167	0.000
	Max	1.167	1.202	0.071
	Average	1.149	1.149	0.000
	Min	1.096	1.096	-0.071
	Std Dev	0.022	0.023	0.026

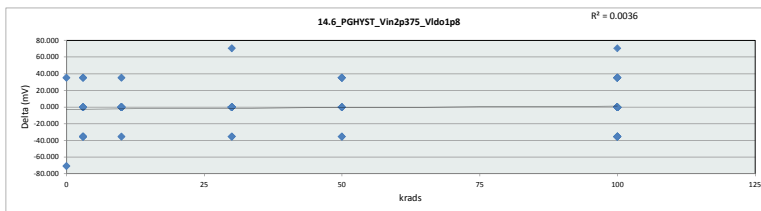


14.5_PGDOn_Vin2p375_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	3.6 V					
Min Limit	1 V					
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.096	1.131	1.131	1.096	1.096	1.096
Average	1.131	1.153	1.156	1.149	1.138	1.150
Max	1.167	1.167	1.202	1.167	1.167	1.167
UL	3.600	3.600	3.600	3.600	3.600	3.600

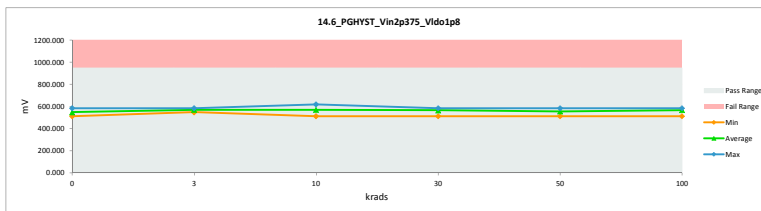


TID 100krad HDR Report
TPS7H3301-SP

14.6_PGHYST_Vin2p375_VIdo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950			
Min Limit	0			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	512.626	583.333	-70.707
3	A116_Biased	583.333	583.333	0.000
3	A117_Biased	583.333	547.980	-35.353
3	B36_Biased	583.333	583.333	0.000
3	B37_Biased	583.333	547.980	-35.353
3	C39_Biased	583.333	583.333	0.000
3	A118_Unbiased	512.626	547.980	-35.354
3	A140_Unbiased	512.626	547.980	-35.354
3	B38_Unbiased	547.980	583.333	-35.353
3	B39_Unbiased	583.333	583.333	0.000
3	C40_Unbiased	547.980	583.333	-35.353
10	A119_Biased	547.980	547.980	0.000
10	A120_Biased	512.626	512.626	0.000
10	B40_Biased	583.333	583.333	0.000
10	C41_Biased	583.333	618.687	-35.354
10	C42_Biased	583.333	583.333	0.000
10	A121_Unbiased	547.980	547.980	0.000
10	A124_Unbiased	583.333	583.333	0.000
10	B41_Unbiased	583.333	547.980	35.353
10	C43_Unbiased	583.333	583.333	0.000
10	C44_Unbiased	583.333	583.333	0.000
30	A125_Biased	583.333	583.333	0.000
30	B42_Biased	583.333	583.333	0.000
30	B43_Biased	583.333	512.626	70.707
30	C45_Biased	583.333	583.333	0.000
30	C46_Biased	583.333	583.333	0.000
30	A127_Unbiased	512.626	547.980	-35.354
30	B45_Unbiased	547.980	547.980	0.000
30	B47_Unbiased	547.980	547.980	0.000
30	C47_Unbiased	547.980	583.333	-35.353
30	C50_Unbiased	583.333	583.333	0.000
50	A128_Biased	583.333	547.980	35.353
50	A129_Biased	547.980	547.980	0.000
50	B48_Biased	583.333	583.333	0.000
50	B49_Biased	583.333	547.980	35.353
50	C51_Biased	547.980	583.333	-35.353
50	A130_Unbiased	547.980	512.626	35.354
50	A131_Unbiased	512.626	512.626	0.000
50	B50_Unbiased	547.980	583.333	-35.353
50	B51_Unbiased	583.333	547.980	35.353
50	C53_Unbiased	583.333	583.333	0.000
0	106_Corr	547.980	512.626	35.354
100	A132_Biased	547.980	547.980	0.000
100	A134_Biased	583.333	512.626	70.707
100	A135_Biased	583.333	583.333	0.000
100	B52_Biased	583.333	583.333	0.000
100	B54_Biased	547.980	583.333	-35.353
100	B55_Biased	547.980	547.980	0.000
100	B56_Biased	583.333	583.333	0.000
100	B57_Biased	583.333	547.980	35.353
100	B59_Biased	547.980	583.333	-35.353
100	B62_Biased	583.333	547.980	35.353
100	B63_Biased	583.333	583.333	0.000
100	B64_Biased	583.333	583.333	0.000
100	B66_Biased	583.333	583.333	0.000
100	B68_Biased	547.980	583.333	-35.353
100	C54_Biased	583.333	583.333	0.000
100	C55_Biased	583.333	583.333	0.000
100	C56_Biased	547.980	583.333	-35.353
100	C57_Biased	583.333	583.333	0.000
100	C58_Biased	583.333	547.980	35.353
100	C59_Biased	547.980	547.980	0.000
100	C65_Biased	583.333	583.333	0.000
100	C67_Biased	547.980	583.333	-35.353
100	A122_Unbiased	583.333	547.980	35.353
100	A138_Unbiased	547.980	547.980	0.000
100	A139_Unbiased	547.980	512.626	35.354
100	B60_Unbiased	547.980	583.333	-35.353
100	B61_Unbiased	547.980	583.333	-35.353
100	B69_Unbiased	547.980	547.980	0.000
100	B70_Unbiased	547.980	547.980	0.000
100	B71_Unbiased	583.333	547.980	35.353
100	B72_Unbiased	583.333	547.980	35.353
100	B73_Unbiased	512.626	547.980	-35.354
100	B74_Unbiased	547.980	547.980	0.000
100	B77_Unbiased	583.333	583.333	0.000
100	B78_Unbiased	547.980	547.980	0.000
100	B79_Unbiased	547.980	547.980	0.000
100	B80_Unbiased	547.980	583.333	-35.353
100	C70_Unbiased	583.333	547.980	35.353
100	C71_Unbiased	583.333	583.333	0.000
100	C72_Unbiased	583.333	583.333	0.000
100	C73_Unbiased	583.333	583.333	0.000
100	C75_Unbiased	547.980	583.333	-35.353
100	C76_Unbiased	583.333	583.333	0.000
100	C79_Unbiased	583.333	583.333	0.000
	Max	583.333	618.687	70.707
	Average	564.834	565.245	-0.411
	Min	512.626	512.626	-70.707
	Std Dev	22.832	23.478	26.285

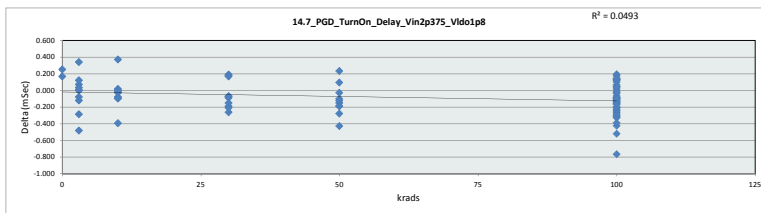


14.6_PGHYST_Vin2p375_VIdo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	512.626	547.980	512.626	512.626	512.626	512.626
Average	547.980	569.192	569.192	565.656	555.050	566.460
Max	583.333	583.333	618.687	583.333	583.333	583.333
UL	950.000	950.000	950.000	950.000	950.000	950.000

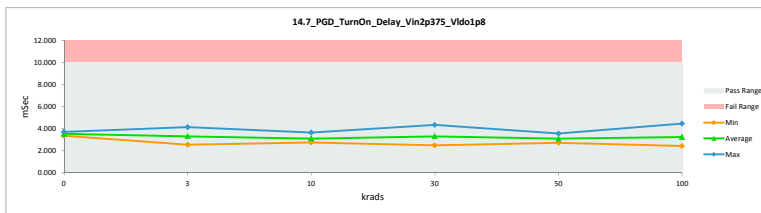


TID 100krad HDR Report
TPS7H3301-SP

14.7_PGD_TurnOn_Delay_Vin2p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.518	3.349	0.169
3	A116_Biased	2.690	2.770	-0.080
3	A117_Biased	2.983	2.913	0.070
3	B36_Biased	3.187	3.474	-0.287
3	B37_Biased	2.558	2.553	0.005
3	C39_Unbiased	4.137	4.137	0.000
3	A118_Unbiased	2.592	2.592	0.340
3	A140_Unbiased	3.519	4.000	-0.482
3	B38_Unbiased	3.234	3.199	0.035
3	B39_Unbiased	3.566	3.445	0.121
3	C40_Unbiased	3.932	4.051	-0.119
10	A119_Biased	2.688	2.768	-0.080
10	A120_Biased	3.488	3.370	0.118
10	B40_Biased	2.760	2.767	-0.007
10	C41_Biased	3.632	3.657	-0.025
10	C42_Biased	3.064	3.046	0.018
10	A121_Unbiased	3.021	3.019	0.002
10	A124_Unbiased	2.850	2.875	-0.025
10	B41_Unbiased	3.174	3.569	-0.395
10	C43_Unbiased	3.475	3.567	-0.092
10	C44_Unbiased	2.847	2.944	-0.097
30	A125_Biased	3.944	3.764	0.180
30	B42_Biased	3.249	3.437	-0.188
30	B43_Biased	2.943	3.015	-0.072
30	C45_Biased	3.461	3.550	-0.089
30	C46_Biased	3.074	3.338	-0.264
30	A127_Unbiased	2.420	2.490	-0.070
30	B45_Unbiased	3.425	3.234	0.191
30	B47_Unbiased	2.641	2.791	-0.150
30	C47_Unbiased	3.325	3.159	0.166
30	C50_Unbiased	4.140	4.350	-0.210
50	A128_Biased	2.771	2.923	-0.152
50	A129_Biased	2.958	3.235	-0.277
50	B48_Biased	3.355	3.260	0.095
50	B49_Biased	3.494	3.261	0.233
50	C51_Biased	3.374	3.258	0.116
50	A130_Unbiased	2.882	2.911	-0.029
50	A131_Unbiased	2.629	2.732	-0.103
50	B50_Unbiased	2.623	2.746	-0.123
50	B51_Unbiased	2.983	3.010	-0.427
50	C53_Unbiased	3.260	3.448	-0.188
0	106_Corr	3.964	3.710	0.254
100	A132_Biased	2.705	3.020	-0.315
100	A134_Biased	2.986	3.023	-0.037
100	A135_Biased	3.191	3.063	0.128
100	B52_Biased	2.581	2.840	-0.259
100	B54_Biased	2.811	2.744	0.067
100	B55_Biased	2.663	2.671	-0.008
100	B56_Biased	2.774	3.078	-0.304
100	B57_Biased	3.169	3.285	-0.116
100	B59_Biased	3.263	3.359	-0.096
100	B62_Biased	2.688	2.821	-0.133
100	B63_Biased	2.941	3.271	-0.330
100	B64_Biased	2.571	2.842	-0.271
100	B66_Biased	2.549	2.753	-0.204
100	B68_Biased	3.500	3.358	0.142
100	C54_Biased	2.851	2.965	-0.114
100	C55_Biased	3.455	3.540	-0.085
100	C56_Biased	3.813	3.769	0.044
100	C57_Biased	3.272	3.253	0.019
100	C58_Biased	3.884	4.403	-0.519
100	C59_Biased	3.820	3.718	0.102
100	C65_Biased	3.081	3.165	-0.084
100	C67_Biased	2.933	3.167	-0.234
100	A122_Unbiased	2.945	2.904	0.041
100	A138_Unbiased	2.746	2.874	-0.128
100	A139_Unbiased	3.166	3.319	-0.153
100	B60_Unbiased	2.697	3.464	-0.767
100	B61_Unbiased	2.695	2.984	-0.289
100	B69_Unbiased	2.697	2.577	0.120
100	B70_Unbiased	2.695	2.847	-0.152
100	B71_Unbiased	3.462	3.530	-0.068
100	B72_Unbiased	2.983	3.009	-0.026
100	B73_Unbiased	2.315	2.477	-0.162
100	B74_Unbiased	3.065	2.935	0.130
100	B77_Unbiased	2.669	2.877	-0.208
100	B78_Unbiased	3.529	3.334	0.195
100	B79_Unbiased	2.598	2.424	0.174
100	B80_Unbiased	3.206	3.060	0.146
100	C70_Unbiased	3.894	4.130	-0.236
100	C71_Unbiased	3.536	3.635	-0.099
100	C72_Unbiased	3.743	3.942	-0.199
100	C73_Unbiased	3.541	3.967	-0.426
100	C75_Unbiased	2.930	3.097	-0.167
100	C76_Unbiased	4.063	4.454	-0.391
100	C79_Unbiased	4.343	4.500	0.157
	Max	4.343	4.454	0.370
	Average	3.146	3.230	-0.084
	Min	2.315	2.424	-0.767
	Std Dev	0.462	0.472	0.198

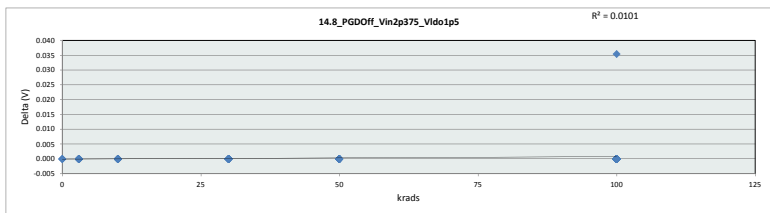


14.7_PGD_TurnOn_Delay_Vin2						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mSec				
Min Limit	0	mSec				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	3.349	2.553	2.767	2.490	2.732	2.424
Average	3.530	3.313	3.109	3.313	3.108	3.233
Max	3.710	4.137	3.657	4.350	3.558	4.454
UL	10.000	10.000	10.000	10.000	10.000	10.000

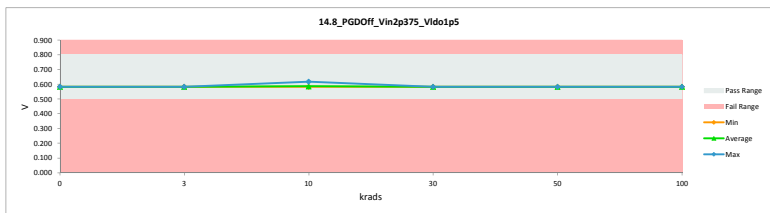


TID 100krad HDR Report
TPS7H3301-SP

14.8_PGDOff_Vin2p375_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.5	0.5		
krads	Serial #	id_HDR_LOT1545Ad_HDR_Lot1545A	Delta	
0	374_Corr	0.583	0.583	0.000
3	A116_Biased	0.583	0.583	0.000
3	A117_Biased	0.583	0.583	0.000
3	B36_Biased	0.583	0.583	0.000
3	B37_Biased	0.583	0.583	0.000
3	C39_Biased	0.583	0.583	0.000
3	A118_Unbiased	0.583	0.583	0.000
3	A140_Unbiased	0.583	0.583	0.000
3	B38_Unbiased	0.583	0.583	0.000
3	B39_Unbiased	0.583	0.583	0.000
3	C40_Unbiased	0.583	0.583	0.000
10	A119_Biased	0.583	0.583	0.000
10	A120_Biased	0.619	0.619	0.000
10	B40_Biased	0.583	0.583	0.000
10	C41_Biased	0.583	0.583	0.000
10	C42_Biased	0.583	0.583	0.000
10	A121_Unbiased	0.583	0.583	0.000
10	A124_Unbiased	0.583	0.583	0.000
10	B41_Unbiased	0.583	0.583	0.000
10	C43_Unbiased	0.583	0.583	0.000
10	C44_Unbiased	0.583	0.583	0.000
30	A125_Biased	0.583	0.583	0.000
30	B42_Biased	0.583	0.583	0.000
30	B43_Biased	0.583	0.583	0.000
30	C45_Biased	0.583	0.583	0.000
30	C46_Biased	0.583	0.583	0.000
30	A127_Unbiased	0.583	0.583	0.000
30	B45_Unbiased	0.583	0.583	0.000
30	B47_Unbiased	0.583	0.583	0.000
30	C47_Unbiased	0.583	0.583	0.000
30	C50_Unbiased	0.583	0.583	0.000
50	A128_Biased	0.583	0.583	0.000
50	A129_Biased	0.583	0.583	0.000
50	B48_Biased	0.583	0.583	0.000
50	B49_Biased	0.583	0.583	0.000
50	C51_Biased	0.583	0.583	0.000
50	A130_Unbiased	0.583	0.583	0.000
50	A131_Unbiased	0.583	0.583	0.000
50	B50_Unbiased	0.583	0.583	0.000
50	B51_Unbiased	0.583	0.583	0.000
50	C53_Unbiased	0.583	0.583	0.000
0	106_Corr	0.583	0.583	0.000
100	A132_Biased	0.583	0.583	0.000
100	A134_Biased	0.583	0.583	0.000
100	A135_Biased	0.583	0.583	0.000
100	B52_Biased	0.583	0.583	0.000
100	B54_Biased	0.583	0.583	0.000
100	B55_Biased	0.583	0.583	0.000
100	B56_Biased	0.583	0.583	0.000
100	B57_Biased	0.583	0.583	0.000
100	B59_Biased	0.619	0.583	0.035
100	B62_Biased	0.583	0.583	0.000
100	B63_Biased	0.583	0.583	0.000
100	B64_Biased	0.583	0.583	0.000
100	B66_Biased	0.583	0.583	0.000
100	B68_Biased	0.583	0.583	0.000
100	C54_Biased	0.583	0.583	0.000
100	C55_Biased	0.583	0.583	0.000
100	C56_Biased	0.583	0.583	0.000
100	C57_Biased	0.583	0.583	0.000
100	C58_Biased	0.583	0.583	0.000
100	C59_Biased	0.583	0.583	0.000
100	C65_Biased	0.583	0.583	0.000
100	C67_Biased	0.583	0.583	0.000
100	A122_Unbiased	0.583	0.583	0.000
100	A138_Unbiased	0.583	0.583	0.000
100	A139_Unbiased	0.583	0.583	0.000
100	B60_Unbiased	0.583	0.583	0.000
100	B61_Unbiased	0.583	0.583	0.000
100	B69_Unbiased	0.583	0.583	0.000
100	B70_Unbiased	0.583	0.583	0.000
100	B71_Unbiased	0.583	0.583	0.000
100	B72_Unbiased	0.583	0.583	0.000
100	B73_Unbiased	0.583	0.583	0.000
100	B74_Unbiased	0.583	0.583	0.000
100	B77_Unbiased	0.583	0.583	0.000
100	B78_Unbiased	0.583	0.583	0.000
100	B79_Unbiased	0.583	0.583	0.000
100	B80_Unbiased	0.583	0.583	0.000
100	C70_Unbiased	0.583	0.583	0.000
100	C71_Unbiased	0.583	0.583	0.000
100	C72_Unbiased	0.583	0.583	0.000
100	C73_Unbiased	0.583	0.583	0.000
100	C75_Unbiased	0.583	0.583	0.000
100	C76_Unbiased	0.583	0.583	0.000
100	C79_Unbiased	0.583	0.583	0.000
	Max	0.619	0.619	0.035
	Average	0.584	0.584	0.000
	Min	0.583	0.583	0.000
	Std Dev	0.005	0.004	0.004



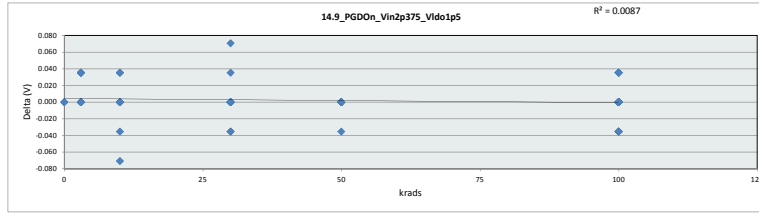
14.8_PGDOff_Vin2p375_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.5	V				
krads	0	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.583	0.583	0.583	0.583	0.583	0.583
Average	0.583	0.583	0.587	0.583	0.583	0.583
Max	0.583	0.583	0.619	0.583	0.583	0.583
UL	0.800	0.800	0.800	0.800	0.800	0.800



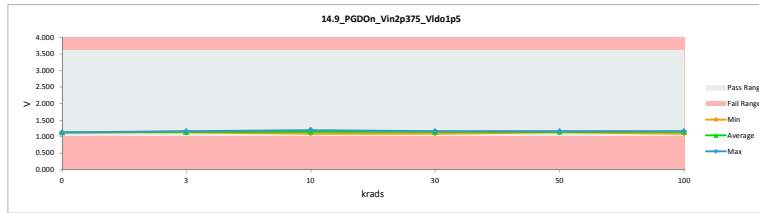
TID 100krad HDR Report
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14.9_PGDOn_Vin2p375_Vldo1p5			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	3.6	3.6	
Min Limit			

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.131	1.131	0.000
3	A116_Biased	1.167	1.131	0.035
3	A117_Biased	1.167	1.167	0.000
3	B36_Biased	1.167	1.167	0.000
3	B37_Biased	1.167	1.131	0.035
3	C39_Biased	1.167	1.167	0.000
3	A118_Unbiased	1.131	1.131	0.000
3	A140_Unbiased	1.131	1.131	0.000
3	B38_Unbiased	1.167	1.131	0.035
3	B39_Unbiased	1.167	1.131	0.035
3	C40_Unbiased	1.167	1.167	0.000
10	A119_Biased	1.096	1.131	-0.035
10	A120_Biased	1.131	1.096	0.035
10	B40_Biased	1.167	1.167	0.000
10	C41_Biased	1.131	1.202	-0.071
10	C42_Biased	1.167	1.167	0.000
10	A121_Unbiased	1.167	1.167	0.000
10	A124_Unbiased	1.167	1.131	0.035
10	B41_Unbiased	1.131	1.131	0.000
10	C43_Unbiased	1.167	1.167	0.000
10	C44_Unbiased	1.167	1.167	0.000
30	A125_Biased	1.167	1.167	0.000
30	B42_Biased	1.131	1.167	-0.035
30	B43_Biased	1.167	1.096	0.071
30	C45_Biased	1.167	1.167	0.000
30	C46_Biased	1.167	1.167	0.000
30	A127_Unbiased	1.131	1.131	0.000
30	B45_Unbiased	1.131	1.167	-0.035
30	B47_Unbiased	1.131	1.131	0.000
30	C47_Unbiased	1.167	1.131	0.035
30	C50_Unbiased	1.167	1.167	0.000
50	A128_Biased	1.167	1.167	0.000
50	A129_Biased	1.131	1.131	0.000
50	B48_Biased	1.167	1.167	0.000
50	B49_Biased	1.131	1.131	0.000
50	C51_Biased	1.131	1.131	-0.035
50	A130_Unbiased	1.131	1.131	0.000
50	A131_Unbiased	1.131	1.131	0.000
50	B50_Unbiased	1.167	1.167	0.000
50	B51_Unbiased	1.167	1.167	0.000
50	C53_Unbiased	1.167	1.167	0.000
0	106_Corr	1.131	1.131	0.000
100	A132_Biased	1.131	1.167	-0.035
100	A134_Biased	1.167	1.131	0.035
100	A135_Biased	1.167	1.167	0.000
100	B52_Biased	1.167	1.167	0.000
100	B54_Biased	1.167	1.167	0.000
100	B55_Biased	1.131	1.131	0.000
100	B56_Biased	1.167	1.167	0.000
100	B57_Biased	1.167	1.131	0.035
100	B59_Biased	1.167	1.167	0.000
100	B62_Biased	1.167	1.167	0.000
100	B63_Biased	1.167	1.167	0.000
100	B64_Biased	1.167	1.131	0.035
100	B66_Biased	1.167	1.167	0.000
100	B68_Biased	1.167	1.167	0.000
100	C54_Biased	1.167	1.131	0.035
100	C55_Biased	1.167	1.167	0.000
100	C56_Biased	1.167	1.167	0.000
100	C57_Biased	1.131	1.167	-0.035
100	C58_Biased	1.167	1.167	0.000
100	C59_Biased	1.167	1.167	0.000
100	C65_Biased	1.131	1.167	-0.035
100	C67_Biased	1.167	1.167	0.000
100	A122_Unbiased	1.167	1.167	0.000
100	A138_Unbiased	1.131	1.131	0.000
100	A139_Unbiased	1.131	1.131	0.000
100	B60_Unbiased	1.131	1.167	-0.035
100	B61_Unbiased	1.096	1.131	-0.035
100	B69_Unbiased	1.131	1.131	0.000
100	B70_Unbiased	1.096	1.131	-0.035
100	B71_Unbiased	1.167	1.167	0.000
100	B72_Unbiased	1.167	1.167	0.000
100	B73_Unbiased	1.096	1.131	-0.035
100	B74_Unbiased	1.131	1.096	0.035
100	B77_Unbiased	1.167	1.167	0.000
100	B78_Unbiased	1.167	1.131	0.035
100	B79_Unbiased	1.167	1.131	0.035
100	B80_Unbiased	1.167	1.167	0.000
100	C70_Unbiased	1.167	1.167	0.000
100	C71_Unbiased	1.131	1.131	0.000
100	C72_Unbiased	1.167	1.167	0.000
100	C73_Unbiased	1.167	1.167	0.000
100	C75_Unbiased	1.167	1.167	0.000
100	C76_Unbiased	1.167	1.167	0.000
100	C79_Unbiased	1.167	1.167	0.000
	Max	1.167	1.202	0.071
	Average	1.153	1.151	0.001
	Min	1.096	1.096	-0.071
	Std Dev	0.021	0.021	0.022

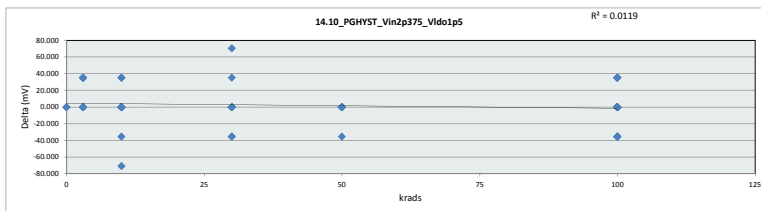


14.9_PGDOn_Vin2p375_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	3.6 V					
Min Limit	1 V					
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.131	1.131	1.096	1.096	1.131	1.096
Average	1.131	1.145	1.153	1.149	1.153	1.154
Max	1.131	1.167	1.202	1.167	1.167	1.167
UL	3.600	3.600	3.600	3.600	3.600	3.600

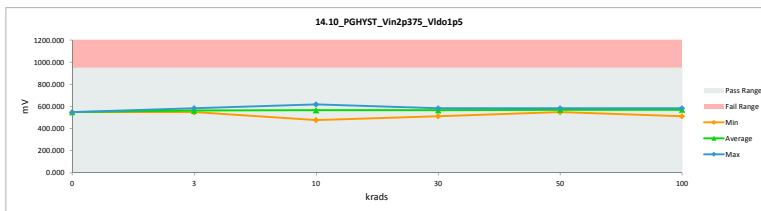


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14_10_PGHYST_Vin2p375_Vldo1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950			
Min Limit	0			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	547.980	547.980	0.000
3	A116_Biased	583.333	547.980	35.353
3	A117_Biased	583.333	583.333	0.000
3	B36_Biased	583.333	583.333	0.000
3	B37_Biased	583.333	547.980	35.353
3	C39_Biased	583.333	583.333	0.000
3	A118_Unbiased	547.980	547.980	0.000
3	A140_Unbiased	547.980	547.980	0.000
3	B38_Unbiased	583.333	547.980	35.353
3	B39_Unbiased	583.333	547.980	35.353
3	C40_Unbiased	583.333	583.333	0.000
10	A119_Biased	512.626	547.980	-35.354
10	A120_Biased	512.626	477.273	35.353
10	B40_Biased	583.333	583.333	0.000
10	C41_Biased	547.980	618.687	-70.707
10	C42_Biased	583.333	583.333	0.000
10	A121_Unbiased	583.333	583.333	0.000
10	A124_Unbiased	583.333	547.980	35.353
10	B41_Unbiased	547.980	547.980	0.000
10	C43_Unbiased	583.333	583.333	0.000
10	C44_Unbiased	583.333	583.333	0.000
30	A125_Biased	583.333	583.333	0.000
30	B42_Biased	547.980	583.333	-35.353
30	B43_Biased	583.333	512.626	70.707
30	C45_Biased	583.333	583.333	0.000
30	C46_Biased	583.333	583.333	0.000
30	A127_Unbiased	547.980	547.980	0.000
30	B45_Unbiased	547.980	583.333	-35.353
30	B47_Unbiased	547.980	547.980	0.000
30	C50_Unbiased	583.333	547.980	35.353
30	C50_Unbiased	583.333	583.333	0.000
50	A128_Biased	583.333	583.333	0.000
50	A129_Biased	547.980	547.980	0.000
50	B48_Biased	583.333	583.333	0.000
50	B49_Biased	547.980	547.980	0.000
50	C51_Biased	547.980	583.333	-35.353
50	A130_Unbiased	547.980	547.980	0.000
50	A131_Unbiased	547.980	547.980	0.000
50	B50_Unbiased	583.333	583.333	0.000
50	B51_Unbiased	583.333	583.333	0.000
50	C53_Unbiased	583.333	583.333	0.000
0	106_Corr	547.980	547.980	0.000
100	A132_Biased	547.980	583.333	-35.353
100	A134_Biased	583.333	547.980	35.353
100	A135_Biased	583.333	583.333	0.000
100	B52_Biased	583.333	583.333	0.000
100	B54_Biased	583.333	583.333	0.000
100	B55_Biased	547.980	547.980	0.000
100	B56_Biased	583.333	583.333	0.000
100	B57_Biased	583.333	547.980	35.353
100	B59_Biased	547.980	583.333	-35.353
100	B62_Biased	583.333	583.333	0.000
100	B63_Biased	583.333	583.333	0.000
100	B64_Biased	583.333	547.980	35.353
100	B66_Biased	583.333	583.333	0.000
100	B68_Biased	583.333	583.333	0.000
100	C54_Biased	583.333	547.980	35.353
100	C55_Biased	583.333	583.333	0.000
100	C56_Biased	583.333	583.333	0.000
100	C57_Biased	547.980	583.333	-35.353
100	C58_Biased	583.333	583.333	0.000
100	C59_Biased	583.333	583.333	0.000
100	C65_Biased	547.980	583.333	-35.353
100	C67_Biased	583.333	583.333	0.000
100	A122_Unbiased	583.333	583.333	0.000
100	A138_Unbiased	547.980	547.980	0.000
100	A139_Unbiased	547.980	547.980	0.000
100	B60_Unbiased	547.980	583.333	-35.353
100	B61_Unbiased	512.626	547.980	-35.354
100	B69_Unbiased	547.980	547.980	0.000
100	B70_Unbiased	512.626	547.980	-35.354
100	B71_Unbiased	583.333	583.333	0.000
100	B72_Unbiased	583.333	583.333	0.000
100	B73_Unbiased	512.626	547.980	-35.354
100	B74_Unbiased	547.980	512.626	35.354
100	B77_Unbiased	583.333	583.333	0.000
100	B78_Unbiased	583.333	547.980	35.353
100	B79_Unbiased	583.333	547.980	35.353
100	B80_Unbiased	583.333	583.333	0.000
100	C70_Unbiased	583.333	583.333	0.000
100	C71_Unbiased	547.980	547.980	0.000
100	C72_Unbiased	583.333	583.333	0.000
100	C73_Unbiased	583.333	583.333	0.000
100	C75_Unbiased	583.333	583.333	0.000
100	C76_Unbiased	583.333	583.333	0.000
100	C79_Unbiased	583.333	583.333	0.000
	Max	583.333	618.687	70.707
	Average	568.534	567.712	0.822
	Min	512.626	477.273	-70.707
	Std Dev	21.326	22.098	22.344

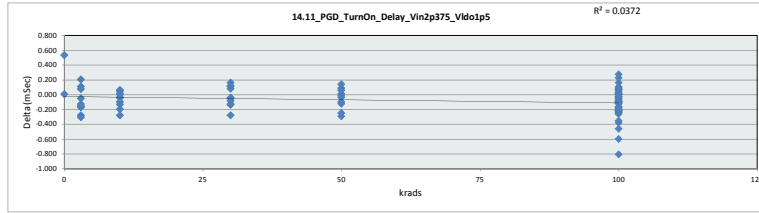


14_10_PGHYST_Vin2p375_Vldo1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	547.980	547.980	477.273	512.626	547.980	512.626
Average	547.980	562.121	565.657	565.656	569.192	570.477
Max	547.980	583.333	618.687	583.333	583.333	583.333
UL	950.000	950.000	950.000	950.000	950.000	950.000

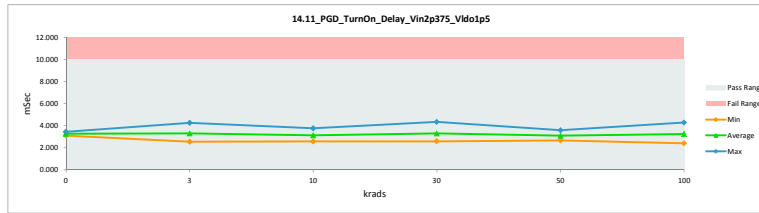


TID 100krad HDR Report
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14.11_PGD_TurnOn_Delay_Vin2				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.645	3.110	0.535
3	A116_Biased	2.854	3.011	-0.157
3	A117_Biased	2.770	2.659	0.111
3	B36_Biased	3.085	3.134	-0.049
3	B37_Biased	2.746	2.539	0.207
3	C39_Unbiased	3.980	4.257	-0.277
3	A118_Unbiased	2.675	2.832	-0.157
3	A140_Unbiased	3.645	3.569	0.076
3	B38_Unbiased	3.153	3.325	-0.172
3	B39_Unbiased	3.493	3.620	-0.127
3	C40_Unbiased	3.657	3.962	-0.305
10	A119_Biased	2.625	2.573	0.052
10	A120_Biased	3.082	3.020	0.062
10	B40_Biased	2.669	2.864	-0.195
10	C41_Biased	3.729	3.770	-0.041
10	C42_Biased	3.165	3.149	0.016
10	A121_Unbiased	2.865	2.864	0.001
10	A124_Unbiased	2.766	2.802	-0.036
10	B41_Unbiased	3.426	3.559	-0.133
10	C43_Unbiased	3.466	3.746	-0.280
10	C44_Unbiased	2.841	2.938	-0.097
30	A125_Biased	3.651	3.497	0.154
30	B42_Biased	3.407	3.295	0.112
30	B43_Biased	2.972	3.013	-0.041
30	C45_Biased	3.245	3.379	-0.134
30	C46_Biased	2.767	3.046	-0.279
30	A127_Unbiased	2.464	2.590	-0.126
30	B45_Unbiased	3.526	3.448	0.078
30	B47_Unbiased	2.896	2.778	0.118
30	C47_Unbiased	3.558	3.607	-0.049
30	C50_Unbiased	4.342	4.342	-0.000
50	A128_Biased	2.956	2.945	0.011
50	A129_Biased	2.875	3.167	-0.292
50	B48_Biased	3.156	3.171	-0.015
50	B49_Biased	3.470	3.592	-0.122
50	C51_Biased	3.518	3.553	-0.035
50	A130_Unbiased	2.871	2.967	-0.096
50	A131_Unbiased	2.739	2.652	0.087
50	B50_Unbiased	2.797	2.738	0.059
50	B51_Unbiased	2.949	-0.250	
50	C53_Unbiased	3.438	3.298	0.140
0	106_Corr	3.452	3.445	0.007
100	A132_Biased	2.804	2.784	0.020
100	A134_Biased	3.173	2.900	0.273
100	A135_Biased	2.943	3.172	-0.229
100	B52_Biased	2.656	2.763	-0.107
100	B54_Biased	2.666	2.791	-0.125
100	B55_Biased	2.848	2.773	0.075
100	B56_Biased	3.151	3.143	0.008
100	B57_Biased	3.033	3.083	-0.050
100	B59_Biased	3.254	3.093	0.161
100	B62_Biased	2.857	2.856	0.001
100	B63_Biased	3.037	3.075	-0.038
100	B64_Biased	2.351	2.728	-0.377
100	B66_Biased	2.542	2.635	-0.093
100	B68_Biased	3.190	3.542	-0.352
100	C54_Biased	2.846	3.023	-0.177
100	C55_Biased	3.447	3.651	-0.204
100	C56_Biased	3.744	3.839	-0.095
100	C57_Biased	3.210	3.446	-0.236
100	C58_Biased	4.044	4.066	-0.022
100	C59_Biased	3.754	3.838	-0.084
100	C65_Biased	3.126	3.159	0.067
100	C67_Biased	2.975	3.435	-0.460
100	A122_Unbiased	2.940	3.156	-0.216
100	A138_Unbiased	2.856	2.789	0.067
100	A139_Unbiased	3.159	3.374	-0.215
100	B60_Unbiased	2.558	3.364	-0.806
100	B61_Unbiased	2.630	3.229	-0.599
100	B69_Unbiased	2.558	2.772	-0.214
100	B70_Unbiased	2.630	2.874	-0.244
100	B71_Unbiased	3.562	3.456	0.106
100	B72_Unbiased	2.972	3.135	-0.163
100	B73_Unbiased	2.407	2.400	0.007
100	B74_Unbiased	2.947	2.908	0.039
100	B77_Unbiased	2.879	2.867	0.012
100	B78_Unbiased	3.543	3.521	0.022
100	B79_Unbiased	2.640	2.414	0.226
100	B80_Unbiased	3.069	3.134	-0.065
100	C70_Unbiased	3.762	3.971	-0.209
100	C71_Unbiased	3.529	3.628	-0.099
100	C72_Unbiased	3.734	3.994	-0.260
100	C73_Unbiased	3.773	3.685	0.088
100	C75_Unbiased	3.054	3.082	-0.028
100	C76_Unbiased	4.178	4.291	-0.113
100	C79_Unbiased	4.190	4.284	-0.094
	Max	4.259	4.342	0.535
	Average	3.142	3.220	-0.078
	Min	2.351	2.400	-0.806
	Std Dev	0.444	0.455	0.186

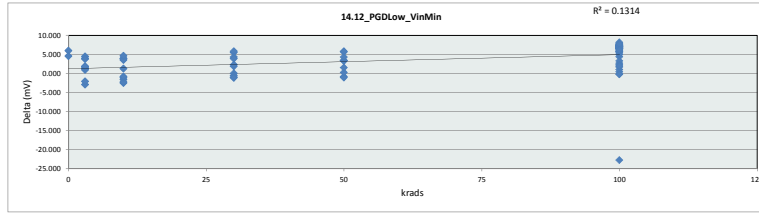


14.11_PGD_TurnOn_Delay_Vin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mSec				
Min Limit	0	mSec				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	3.110	2.539	2.573	2.590	2.652	2.400
Average	3.278	3.291	3.129	3.300	3.103	3.230
Max	3.445	4.257	3.770	4.342	3.592	4.291
UL	10.000	10.000	10.000	10.000	10.000	10.000

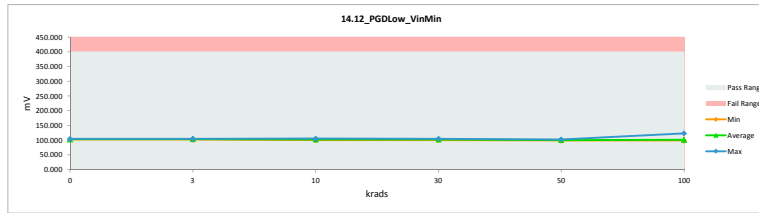


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14.12_PGDLow_VinMin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	400	400		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	108.486	102.511	5.975
3	A116_Biased	104.844	103.130	1.714
3	A117_Biased	103.627	102.354	1.273
3	B36_Biased	105.156	103.370	1.786
3	B37_Biased	102.030	104.948	-2.918
3	C39_Unbiased	107.098	103.072	4.026
3	A118_Unbiased	103.981	103.000	0.981
3	A140_Unbiased	108.486	103.958	4.528
3	B38_Unbiased	105.986	104.133	1.853
3	B39_Unbiased	102.214	104.246	-2.032
3	C40_Unbiased	107.931	104.144	3.787
10	A119_Biased	103.424	102.142	1.282
10	A120_Biased	98.425	100.949	-2.524
10	B40_Biased	102.462	103.985	-1.523
10	C41_Biased	107.489	103.494	3.995
10	C42_Biased	109.413	105.471	3.942
10	A121_Unbiased	100.500	102.719	-2.219
10	A124_Unbiased	100.765	101.816	-1.051
10	B41_Unbiased	102.280	103.079	-0.799
10	C43_Unbiased	106.426	102.828	3.598
10	C44_Unbiased	107.618	102.924	4.694
30	A125_Biased	101.223	101.249	0.024
30	B42_Biased	106.170	104.273	1.897
30	B43_Biased	101.245	101.828	-0.583
30	C45_Biased	106.028	100.564	5.464
30	C46_Biased	106.813	100.993	5.820
30	A127_Unbiased	100.276	101.210	-0.934
30	B45_Unbiased	103.665	104.803	-1.138
30	B47_Unbiased	104.784	102.507	2.277
30	C47_Unbiased	108.440	104.091	4.349
30	C50_Unbiased	107.091	103.183	3.908
50	A128_Biased	103.990	100.469	3.521
50	A129_Biased	103.286	99.924	3.362
50	B48_Biased	100.739	101.543	-0.804
50	B49_Biased	101.727	102.748	-1.021
50	C51_Biased	106.960	101.320	5.640
50	A130_Unbiased	100.130	99.857	0.273
50	A131_Unbiased	102.399	99.123	3.276
50	B50_Unbiased	102.196	100.632	1.564
50	B51_Unbiased	105.777	101.489	4.288
50	C53_Biased	108.757	102.905	5.852
0	106_Corr	108.901	104.299	4.602
100	A132_Biased	100.162	99.718	0.444
100	A134_Biased	100.882	123.628	-22.746
100	A135_Biased	103.587	100.856	2.731
100	B52_Biased	105.751	101.325	4.426
100	B54_Biased	103.960	100.604	3.356
100	B55_Biased	100.841	99.835	1.006
100	B56_Biased	105.064	100.101	4.963
100	B57_Biased	101.892	102.015	-0.123
100	B59_Biased	102.503	102.721	-0.218
100	B62_Biased	107.324	100.699	6.625
100	B63_Biased	108.053	100.702	7.351
100	B64_Biased	107.208	99.906	7.302
100	B66_Biased	107.246	100.555	6.691
100	B68_Biased	106.984	100.429	6.555
100	C54_Biased	107.727	100.564	7.163
100	C55_Biased	108.146	101.771	6.375
100	C56_Biased	106.209	100.466	5.743
100	C57_Biased	109.862	102.662	7.200
100	C58_Biased	109.270	101.701	7.569
100	C59_Biased	108.564	101.601	6.963
100	C65_Biased	107.897	102.170	5.272
100	C67_Biased	109.426	102.625	6.801
100	A122_Unbiased	101.423	99.678	1.745
100	A138_Unbiased	101.583	99.244	2.339
100	A139_Unbiased	101.017	99.084	1.933
100	B60_Unbiased	108.492	100.950	7.542
100	B61_Unbiased	106.966	101.569	5.397
100	B69_Unbiased	108.492	101.464	7.028
100	B70_Unbiased	106.966	99.504	7.462
100	B71_Unbiased	109.071	102.078	6.993
100	B72_Unbiased	107.857	100.558	7.299
100	B73_Unbiased	107.754	101.135	6.619
100	B74_Unbiased	107.768	100.645	7.123
100	B77_Unbiased	107.083	101.175	5.908
100	B78_Unbiased	106.933	100.241	6.692
100	B79_Unbiased	107.334	100.582	6.752
100	B80_Unbiased	108.321	100.536	7.785
100	C70_Unbiased	107.909	101.315	6.594
100	C71_Unbiased	109.092	100.911	8.181
100	C72_Unbiased	107.988	101.205	6.783
100	C73_Unbiased	107.518	100.523	6.995
100	C75_Unbiased	108.331	101.125	7.206
100	C76_Unbiased	108.504	100.715	7.789
100	C79_Unbiased	106.731	100.577	6.154
	Max	109.862	123.628	8.181
	Average	105.476	101.962	3.514
	Min	98.425	99.084	-22.746
	Std Dev	2.992	2.790	4.215

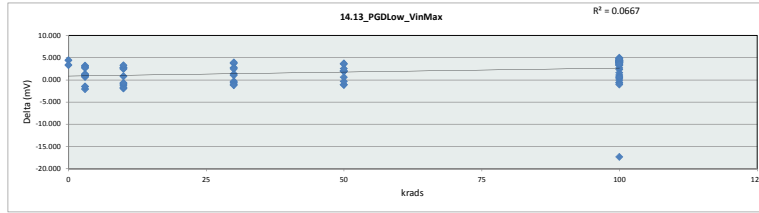


14.12_PGDLow_VinMin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	400	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	102.511	102.354	100.949	100.564	99.123	99.084
Average	103.405	103.636	102.941	102.467	101.001	101.397
Max	104.299	104.948	105.471	104.803	102.905	123.628
UL	400.000	400.000	400.000	400.000	400.000	400.000

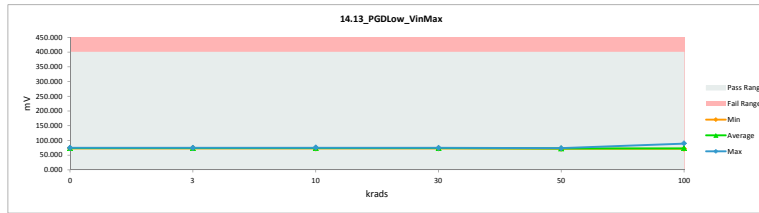


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14.13_PGDLow_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	400	400		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	77.665	73.244	4.421
3	A116_Biased	74.850	73.649	1.201
3	A117_Biased	74.186	73.290	0.896
3	B36_Biased	75.089	73.824	1.265
3	B37_Biased	72.778	74.869	-2.091
3	C39_Biased	76.993	74.096	2.897
3	A118_Unbiased	74.362	73.669	0.693
3	A140_Unbiased	77.665	74.475	3.190
3	B38_Unbiased	75.576	74.301	1.275
3	B39_Unbiased	73.001	74.490	-1.489
3	C40_Unbiased	77.322	74.628	2.694
10	A119_Biased	73.878	73.086	0.792
10	A120_Biased	70.514	72.436	-1.922
10	B40_Biased	72.928	74.141	-1.213
10	C41_Biased	77.044	74.264	2.780
10	C42_Biased	78.130	75.416	2.714
10	A121_Unbiased	71.694	73.435	-1.741
10	A124_Unbiased	72.118	73.007	-0.889
10	B41_Unbiased	72.993	73.679	-0.686
10	C43_Unbiased	76.454	73.967	2.487
10	C44_Unbiased	76.923	73.649	3.274
30	A125_Biased	72.319	72.639	-0.321
30	B42_Biased	75.624	74.592	1.032
30	B43_Biased	72.326	72.967	-0.641
30	C45_Biased	76.203	72.537	3.666
30	C46_Biased	76.734	72.830	3.904
30	A127_Unbiased	71.636	72.637	-1.017
30	B45_Unbiased	73.673	74.850	-1.177
30	B47_Unbiased	74.996	73.687	1.309
30	C47_Unbiased	77.391	74.625	2.766
30	C50_Unbiased	76.170	74.283	2.487
50	A128_Biased	74.298	72.253	2.045
50	A129_Biased	73.863	71.919	1.944
50	B48_Biased	71.929	73.044	-1.115
50	B49_Biased	72.367	73.463	-1.096
50	C51_Biased	76.389	72.870	3.519
50	A130_Unbiased	71.628	71.944	-0.316
50	A131_Unbiased	73.384	71.519	1.865
50	B50_Unbiased	73.086	72.476	0.610
50	B51_Unbiased	75.534	72.992	2.542
50	C53_Unbiased	77.773	74.108	3.665
0	106_Corr	78.136	74.797	3.339
100	A132_Biased	71.565	72.086	-0.521
100	A134_Biased	72.094	89.428	-17.334
100	A135_Biased	72.992	72.869	1.123
100	B52_Biased	75.506	73.215	2.291
100	B54_Biased	74.140	72.560	1.580
100	B55_Biased	72.413	72.472	-0.059
100	B56_Biased	75.061	72.355	2.706
100	B57_Biased	72.617	73.315	-0.698
100	B59_Biased	72.971	73.996	-1.025
100	B62_Biased	76.599	72.663	3.936
100	B63_Biased	77.123	72.669	4.454
100	B64_Biased	76.633	72.207	4.426
100	B66_Biased	76.592	72.646	3.946
100	B68_Biased	76.446	72.368	4.078
100	C54_Biased	76.863	72.565	4.298
100	C55_Biased	77.119	73.401	3.718
100	C56_Biased	76.334	72.991	3.343
100	C57_Biased	78.414	74.106	4.308
100	C58_Biased	78.079	73.236	4.843
100	C59_Biased	77.522	73.382	4.140
100	C65_Biased	77.126	73.635	3.491
100	C67_Biased	78.013	73.956	4.057
100	A122_Unbiased	72.379	72.031	0.348
100	A138_Unbiased	72.926	72.095	0.831
100	A139_Unbiased	72.234	71.722	0.512
100	B60_Unbiased	77.422	73.004	4.418
100	B61_Unbiased	76.539	73.111	3.428
100	B69_Unbiased	77.422	73.327	4.095
100	B70_Unbiased	76.539	72.057	4.482
100	B71_Unbiased	77.745	73.653	4.092
100	B72_Unbiased	77.001	72.647	4.354
100	B73_Unbiased	76.997	73.195	3.802
100	B74_Unbiased	76.947	72.688	4.259
100	B77_Unbiased	76.543	73.212	3.331
100	B78_Unbiased	76.361	72.446	3.915
100	B79_Unbiased	76.593	72.650	3.943
100	B80_Unbiased	77.355	72.614	4.741
100	C70_Unbiased	77.227	73.401	3.826
100	C71_Unbiased	78.076	73.064	5.012
100	C72_Unbiased	77.268	73.332	3.936
100	C73_Unbiased	77.091	72.952	4.139
100	C75_Unbiased	77.349	73.058	4.291
100	C76_Unbiased	77.655	72.932	4.723
100	C79_Unbiased	76.594	73.075	3.519
	Max	78.414	89.428	5.012
	Average	75.392	73.410	1.982
	Min	70.514	71.519	-17.334
	Std Dev	2.158	1.930	2.933



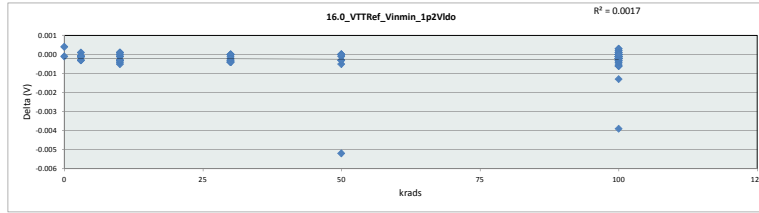
14.13_PGDLow_VinMax						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	400	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	73.244	73.290	72.436	72.537	71.519	71.722
Average	74.021	74.129	73.708	73.566	72.659	73.286
Max	74.797	74.869	75.416	74.850	74.108	89.428
UL	400.000	400.000	400.000	400.000	400.000	400.000



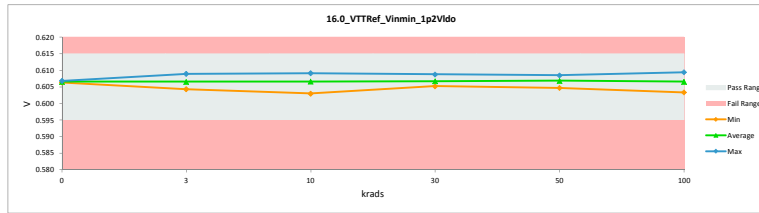
TID 100krad HDR Report
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16.0_VTTRef_Vinmin_1p2VIdo		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	0.615	0.615
Min Limit	0.595	0.595

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.607	0.606	0.000
3	A116_Biased	0.607	0.607	0.000
3	A117_Biased	0.606	0.606	0.000
3	B36_Biased	0.606	0.606	0.000
3	B37_Biased	0.607	0.607	0.000
3	C39_Biased	0.606	0.606	0.000
3	A118_Unbiased	0.609	0.609	0.000
3	A140_Unbiased	0.607	0.607	0.000
3	B38_Unbiased	0.607	0.608	0.000
3	B39_Unbiased	0.604	0.604	0.000
3	C40_Unbiased	0.605	0.605	0.000
10	A119_Biased	0.608	0.608	0.000
10	A120_Biased	0.609	0.609	0.000
10	B40_Biased	0.605	0.606	-0.001
10	C41_Biased	0.607	0.607	0.000
10	C42_Biased	0.609	0.609	0.000
10	A121_Unbiased	0.605	0.605	0.000
10	A124_Unbiased	0.603	0.603	0.000
10	B41_Unbiased	0.609	0.609	0.000
10	C43_Unbiased	0.605	0.605	0.000
10	C44_Unbiased	0.605	0.605	0.000
30	A125_Biased	0.607	0.607	0.000
30	B42_Biased	0.605	0.606	0.000
30	B43_Biased	0.607	0.607	0.000
30	C45_Biased	0.609	0.609	0.000
30	C46_Biased	0.605	0.605	0.000
30	A127_Unbiased	0.607	0.607	0.000
30	B45_Unbiased	0.605	0.605	0.000
30	B47_Unbiased	0.609	0.609	0.000
30	C47_Unbiased	0.606	0.606	0.000
30	C50_Unbiased	0.606	0.606	0.000
50	A128_Biased	0.607	0.607	0.000
50	A129_Biased	0.608	0.609	0.000
50	B48_Biased	0.605	0.606	-0.001
50	B49_Biased	0.607	0.607	0.000
50	C51_Biased	0.608	0.608	0.000
50	A130_Unbiased	0.604	0.605	0.000
50	A131_Unbiased	0.606	0.606	0.000
50	B50_Unbiased	0.606	0.606	0.000
50	B51_Unbiased	0.603	0.603	-0.005
50	C53_Unbiased	0.606	0.606	0.000
0	106_Corr	0.607	0.607	0.000
100	A132_Biased	0.606	0.607	-0.001
100	A134_Biased	0.605	0.606	-0.001
100	A135_Biased	0.606	0.607	0.000
100	B52_Biased	0.603	0.603	0.000
100	B54_Biased	0.605	0.606	0.000
100	B55_Biased	0.607	0.607	-0.001
100	B56_Biased	0.608	0.608	-0.001
100	B57_Biased	0.608	0.609	-0.001
100	B59_Biased	0.605	0.605	0.000
100	B62_Biased	0.607	0.607	0.000
100	B63_Biased	0.607	0.607	0.000
100	B64_Biased	0.609	0.609	0.000
100	B66_Biased	0.607	0.606	0.000
100	B68_Biased	0.607	0.607	0.000
100	C54_Biased	0.605	0.605	0.000
100	C55_Biased	0.606	0.607	0.000
100	C56_Biased	0.608	0.608	0.000
100	C57_Biased	0.607	0.607	0.000
100	C58_Biased	0.606	0.606	0.000
100	C59_Biased	0.608	0.608	0.000
100	C65_Biased	0.606	0.606	0.000
100	C67_Biased	0.607	0.608	0.000
100	A122_Unbiased	0.608	0.609	0.000
100	A138_Unbiased	0.607	0.608	0.000
100	A139_Unbiased	0.606	0.606	0.000
100	B60_Unbiased	0.605	0.609	-0.004
100	B61_Unbiased	0.607	0.607	0.000
100	B69_Unbiased	0.605	0.605	0.000
100	B70_Unbiased	0.607	0.607	0.000
100	B71_Unbiased	0.605	0.605	0.000
100	B72_Unbiased	0.606	0.606	0.000
100	B73_Unbiased	0.605	0.605	0.000
100	B74_Unbiased	0.605	0.604	0.000
100	B77_Unbiased	0.606	0.606	0.000
100	B78_Unbiased	0.606	0.606	0.000
100	B79_Unbiased	0.606	0.606	0.000
100	B80_Unbiased	0.606	0.606	0.000
100	C70_Unbiased	0.604	0.604	0.000
100	C71_Unbiased	0.607	0.607	0.000
100	C72_Unbiased	0.607	0.607	0.000
100	C73_Unbiased	0.605	0.605	0.000
100	C75_Unbiased	0.607	0.607	0.000
100	C76_Unbiased	0.609	0.609	0.000
100	C78_Unbiased	0.608	0.608	0.000
Max		0.609	0.609	0.000
Average		0.606	0.607	0.000
Min		0.603	0.603	-0.005
Std Dev		0.001	0.001	0.001

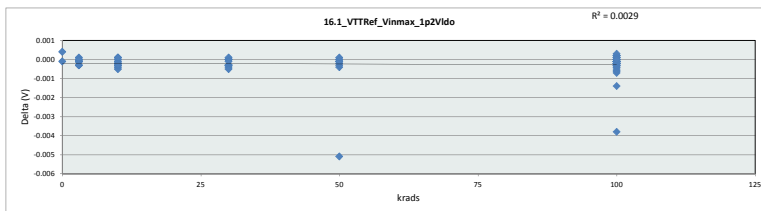


16.0_VTTRef_Vinmin_1p2VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.615 V					
Min Limit	0.595 V					
krads	0	3	10	30	50	100
LL	0.595	0.595	0.595	0.595	0.595	0.595
Min	0.606	0.604	0.603	0.605	0.605	0.603
Average	0.607	0.607	0.607	0.607	0.607	0.607
Max	0.607	0.609	0.609	0.609	0.609	0.609
UL	0.615	0.615	0.615	0.615	0.615	0.615

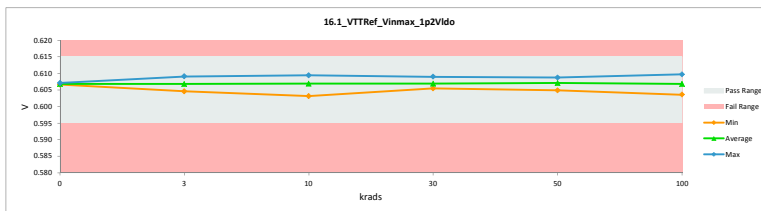


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16.1_VTTRef_Vinmax_1p2Vdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.615	0.615		
Min Limit	0.595	0.595		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.607	0.607	0.000
3	A116_Biased	0.607	0.607	0.000
3	A117_Biased	0.606	0.606	0.000
3	B36_Biased	0.607	0.607	0.000
3	B37_Biased	0.607	0.607	0.000
3	C39_Biased	0.607	0.607	0.000
3	A118_Unbiased	0.609	0.609	0.000
3	A140_Unbiased	0.607	0.607	0.000
3	B38_Unbiased	0.608	0.608	0.000
3	B39_Unbiased	0.604	0.605	0.000
3	C40_Unbiased	0.605	0.605	0.000
10	A119_Biased	0.608	0.608	0.000
10	A120_Biased	0.609	0.609	0.000
10	B40_Biased	0.605	0.606	-0.001
10	C41_Biased	0.608	0.608	0.000
10	C42_Biased	0.609	0.609	0.000
10	A121_Unbiased	0.605	0.605	0.000
10	A124_Unbiased	0.603	0.603	0.000
10	B41_Unbiased	0.609	0.609	0.000
10	C43_Unbiased	0.605	0.605	0.000
10	C44_Unbiased	0.606	0.606	0.000
30	A125_Biased	0.607	0.607	0.000
30	B42_Biased	0.606	0.606	0.000
30	B43_Biased	0.607	0.607	0.000
30	C45_Biased	0.609	0.609	0.000
30	C46_Biased	0.606	0.606	0.000
30	A127_Unbiased	0.607	0.607	0.000
30	B45_Unbiased	0.605	0.605	0.000
30	B47_Unbiased	0.609	0.609	0.000
30	C47_Unbiased	0.607	0.607	0.000
30	C50_Unbiased	0.606	0.606	0.000
50	A128_Biased	0.608	0.608	0.000
50	A129_Biased	0.609	0.609	0.000
50	B48_Biased	0.605	0.606	0.000
50	B49_Biased	0.607	0.608	0.000
50	C51_Biased	0.608	0.608	0.000
50	A130_Unbiased	0.605	0.605	0.000
50	A131_Unbiased	0.606	0.606	0.000
50	B50_Unbiased	0.607	0.607	0.000
50	B51_Unbiased	0.604	-0.005	0.000
50	C53_Unbiased	0.607	0.607	0.000
0	106_Corr	0.607	0.607	0.000
100	A132_Biased	0.607	0.607	-0.001
100	A134_Biased	0.605	0.607	-0.001
100	A135_Biased	0.607	0.607	0.000
100	B52_Biased	0.604	0.604	0.000
100	B54_Biased	0.606	0.606	0.000
100	B55_Biased	0.607	0.607	-0.001
100	B56_Biased	0.608	0.609	0.000
100	B57_Biased	0.608	0.609	-0.001
100	B59_Biased	0.605	0.605	0.000
100	B62_Biased	0.607	0.608	0.000
100	B63_Biased	0.607	0.607	0.000
100	B64_Biased	0.609	0.609	0.000
100	B66_Biased	0.607	0.607	0.000
100	B68_Biased	0.607	0.607	0.000
100	C54_Biased	0.606	0.606	0.000
100	C55_Biased	0.607	0.607	0.000
100	C56_Biased	0.608	0.608	0.000
100	C57_Biased	0.607	0.607	0.000
100	C58_Biased	0.607	0.607	0.000
100	C59_Biased	0.608	0.608	0.000
100	C65_Biased	0.606	0.606	0.000
100	C67_Biased	0.608	0.608	0.000
100	A122_Unbiased	0.609	0.609	0.000
100	A138_Unbiased	0.607	0.608	0.000
100	A139_Unbiased	0.607	0.607	0.000
100	B60_Unbiased	0.606	0.610	-0.004
100	B61_Unbiased	0.607	0.607	0.000
100	B69_Unbiased	0.606	0.606	0.000
100	B70_Unbiased	0.607	0.607	0.000
100	B71_Unbiased	0.606	0.606	0.000
100	B72_Unbiased	0.606	0.606	0.000
100	B73_Unbiased	0.605	0.605	0.000
100	B74_Unbiased	0.605	0.605	0.000
100	B77_Unbiased	0.606	0.606	0.000
100	B78_Unbiased	0.606	0.607	0.000
100	B79_Unbiased	0.606	0.606	0.000
100	B80_Unbiased	0.606	0.606	0.000
100	C70_Unbiased	0.604	0.604	0.000
100	C71_Unbiased	0.607	0.607	0.000
100	C72_Unbiased	0.607	0.607	0.000
100	C73_Unbiased	0.605	0.606	0.000
100	C75_Unbiased	0.607	0.607	0.000
100	C76_Unbiased	0.609	0.609	0.000
100	C79_Unbiased	0.608	0.608	0.000
	Max	0.609	0.610	0.000
	Average	0.607	0.607	0.000
	Min	0.603	0.603	-0.005
	Std Dev	0.001	0.001	0.001

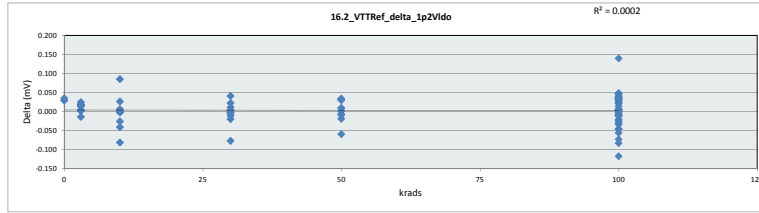


16.1_VTTRef_Vinmax_1p2Vdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.615	V				
Min Limit	0.595	V				
krads	0	3	10	30	50	100
LL	0.595	0.595	0.595	0.595	0.595	0.595
Min	0.607	0.605	0.603	0.606	0.605	0.604
Average	0.607	0.607	0.607	0.607	0.609	0.607
Max	0.607	0.609	0.609	0.609	0.609	0.610
UL	0.615	0.615	0.615	0.615	0.615	0.615

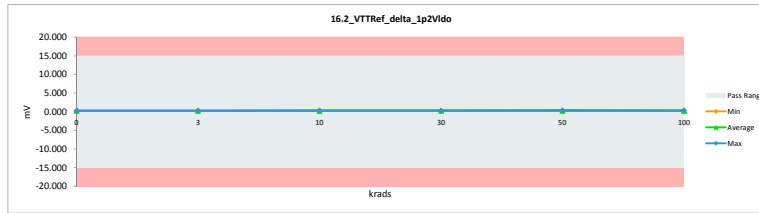


TID 100krad HDR Report
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16_2_VTTRef_delta_1p2Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.306	0.277	0.029
3	A116_Biased	0.267	0.250	0.017
3	A117_Biased	0.291	0.289	0.002
3	B36_Biased	0.285	0.282	0.003
3	B37_Biased	0.262	0.276	-0.014
3	C39_Biased	0.302	0.298	0.004
3	A118_Unbiased	0.262	0.248	0.014
3	A140_Unbiased	0.306	0.287	0.019
3	B38_Unbiased	0.294	0.269	0.025
3	B39_Unbiased	0.293	0.274	0.019
3	C40_Unbiased	0.327	0.311	0.016
10	A119_Biased	0.239	0.280	-0.041
10	A120_Biased	0.243	0.269	-0.026
10	B40_Biased	0.307	0.281	0.026
10	C41_Biased	0.270	0.270	0.000
10	C42_Unbiased	0.269	0.263	0.006
10	A121_Unbiased	0.248	0.229	-0.018
10	A124_Unbiased	0.359	0.274	0.085
10	B41_Unbiased	0.261	0.260	0.001
10	C43_Unbiased	0.310	0.312	-0.002
10	C44_Unbiased	0.340	0.341	-0.001
30	A125_Biased	0.259	0.262	-0.003
30	B42_Biased	0.325	0.284	0.041
30	B43_Biased	0.269	0.289	-0.020
30	C45_Biased	0.247	0.258	-0.011
30	C46_Unbiased	0.339	0.344	-0.005
30	A127_Unbiased	0.283	0.272	0.011
30	B45_Unbiased	0.273	0.350	-0.077
30	B47_Unbiased	0.257	0.255	0.002
30	C47_Unbiased	0.284	0.280	0.004
30	C50_Unbiased	0.277	0.222	0.055
50	A128_Biased	0.262	0.261	0.001
50	A129_Biased	0.306	0.274	0.032
50	B48_Biased	0.309	0.275	0.034
50	B49_Biased	0.267	0.275	-0.008
50	C51_Biased	0.411	0.420	-0.009
50	A130_Unbiased	0.250	0.269	-0.019
50	A131_Unbiased	0.298	0.268	0.030
50	B50_Unbiased	0.242	0.301	-0.059
50	B51_Unbiased	0.302	0.293	0.009
50	C53_Unbiased	0.278	0.268	0.010
0	106_Corr	0.310	0.275	0.035
100	A132_Biased	0.247	0.281	-0.034
100	A134_Biased	0.251	0.368	-0.117
100	A135_Biased	0.252	0.299	-0.047
100	B52_Biased	0.282	0.282	0.000
100	B54_Biased	0.297	0.270	0.027
100	B55_Biased	0.276	0.277	-0.001
100	B56_Biased	0.312	0.368	-0.056
100	B57_Biased	0.388	0.248	0.140
100	B59_Biased	0.254	0.299	-0.045
100	B62_Biased	0.289	0.263	0.026
100	B63_Biased	0.300	0.321	-0.021
100	B64_Biased	0.281	0.253	0.028
100	B66_Biased	0.314	0.280	0.034
100	B68_Biased	0.310	0.269	0.041
100	C54_Biased	0.311	0.342	-0.031
100	C55_Biased	0.278	0.290	-0.012
100	C56_Biased	0.279	0.352	-0.073
100	C57_Biased	0.287	0.255	0.032
100	C58_Biased	0.297	0.276	0.021
100	C59_Biased	0.300	0.383	-0.083
100	C65_Biased	0.297	0.261	0.036
100	C67_Biased	0.266	0.266	0.000
100	A122_Unbiased	0.261	0.255	0.006
100	A138_Unbiased	0.254	0.279	-0.025
100	A139_Unbiased	0.251	0.255	-0.004
100	B60_Unbiased	0.350	0.302	0.048
100	B61_Unbiased	0.274	0.268	0.006
100	B69_Unbiased	0.350	0.302	0.048
100	B70_Unbiased	0.274	0.268	0.006
100	B71_Unbiased	0.247	0.021	0.226
100	B72_Unbiased	0.289	0.275	0.014
100	B73_Unbiased	0.283	0.279	0.004
100	B74_Unbiased	0.273	0.282	-0.009
100	B77_Unbiased	0.314	0.268	0.046
100	B78_Unbiased	0.296	0.261	0.035
100	B79_Unbiased	0.308	0.270	0.038
100	B80_Unbiased	0.321	0.283	0.038
100	C70_Unbiased	0.261	0.286	-0.025
100	C71_Unbiased	0.291	0.033	0.258
100	C72_Unbiased	0.319	0.316	0.003
100	C73_Unbiased	0.331	0.342	-0.011
100	C75_Unbiased	0.288	0.297	-0.009
100	C76_Unbiased	0.296	0.262	0.034
100	C79_Unbiased	0.279	0.290	-0.011
	Max	0.411	0.420	0.140
	Average	0.291	0.287	0.003
	Min	0.239	0.248	-0.117
	Std Dev	0.032	0.033	0.037

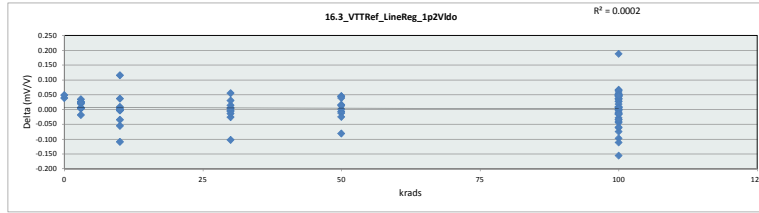


16.2_VTTRef_delta_1p2Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.275	0.248	0.260	0.255	0.261	0.248
Average	0.276	0.278	0.288	0.287	0.290	0.289
Max	0.277	0.311	0.341	0.350	0.420	0.383
UL	15.000	15.000	15.000	15.000	15.000	15.000

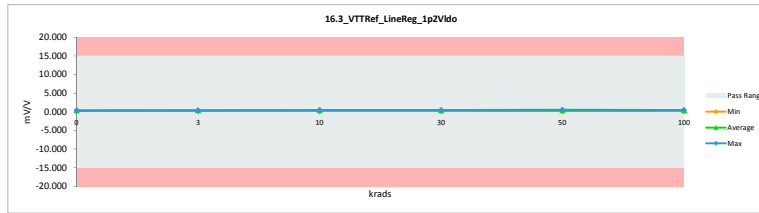


TID 100krad HDR Report
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16.3_VTTRef_LineReg_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.412	0.373	0.039
3	A116_Biased	0.359	0.336	0.023
3	A117_Biased	0.392	0.389	0.003
3	B36_Biased	0.384	0.380	0.004
3	B37_Biased	0.352	0.371	-0.019
3	C39_Biased	0.407	0.401	0.006
3	A118_Unbiased	0.352	0.333	0.019
3	A140_Unbiased	0.412	0.356	0.026
3	B38_Unbiased	0.395	0.361	0.034
3	B39_Unbiased	0.396	0.370	0.026
3	C40_Unbiased	0.441	0.419	0.022
10	A119_Biased	0.321	0.376	-0.055
10	A120_Biased	0.326	0.367	-0.035
10	B40_Biased	0.414	0.378	0.036
10	C41_Biased	0.363	0.363	0.000
10	C42_Biased	0.361	0.353	0.008
10	A121_Unbiased	0.334	0.443	-0.109
10	A124_Unbiased	0.486	0.371	0.115
10	B41_Unbiased	0.350	0.348	0.002
10	C43_Unbiased	0.418	0.421	-0.003
10	C44_Unbiased	0.458	0.460	-0.002
30	A125_Biased	0.349	0.352	-0.003
30	B42_Biased	0.438	0.383	0.055
30	B43_Biased	0.362	0.388	-0.026
30	C45_Biased	0.331	0.345	-0.014
30	C46_Biased	0.457	0.464	-0.007
30	A127_Unbiased	0.380	0.366	0.014
30	B45_Unbiased	0.369	0.472	-0.103
30	B47_Unbiased	0.345	0.342	0.003
30	C47_Unbiased	0.382	0.377	0.005
30	C50_Unbiased	0.403	0.373	0.030
50	A128_Biased	0.352	0.351	0.001
50	A129_Biased	0.411	0.367	0.044
50	B48_Biased	0.416	0.371	0.045
50	B49_Biased	0.362	0.369	-0.007
50	C51_Biased	0.552	0.564	-0.012
50	A130_Unbiased	0.338	0.363	-0.025
50	A131_Unbiased	0.401	0.362	0.039
50	B50_Unbiased	0.325	0.406	-0.081
50	B51_Unbiased	0.409	0.393	0.016
50	C53_Unbiased	0.374	0.361	0.013
0	106_Corr	0.417	0.369	0.048
100	A132_Biased	0.333	0.378	-0.045
100	A134_Biased	0.339	0.495	-0.156
100	A135_Biased	0.402	0.402	-0.002
100	B52_Biased	0.382	0.381	0.001
100	B54_Biased	0.400	0.365	0.035
100	B55_Biased	0.372	0.373	-0.001
100	B56_Biased	0.419	0.494	-0.075
100	B57_Biased	0.521	0.333	0.188
100	B59_Biased	0.343	0.403	-0.060
100	B62_Biased	0.389	0.354	0.035
100	B63_Biased	0.404	0.432	-0.028
100	B64_Biased	0.377	0.339	0.038
100	B66_Biased	0.423	0.377	0.046
100	B68_Biased	0.417	0.362	0.055
100	C54_Biased	0.420	0.461	-0.041
100	C55_Biased	0.374	0.390	-0.016
100	C56_Biased	0.375	0.472	-0.097
100	C57_Biased	0.386	0.342	0.044
100	C58_Biased	0.399	0.372	0.027
100	C59_Biased	0.403	0.515	-0.112
100	C65_Biased	0.400	0.351	0.049
100	C67_Biased	0.358	0.358	0.000
100	A122_Unbiased	0.350	0.342	0.008
100	A138_Unbiased	0.341	0.375	-0.034
100	A139_Unbiased	0.338	0.343	-0.005
100	B60_Unbiased	0.472	0.405	0.067
100	B61_Unbiased	0.368	0.360	0.008
100	B69_Unbiased	0.472	0.407	0.065
100	B70_Unbiased	0.368	0.360	0.008
100	B71_Unbiased	0.468	0.440	0.028
100	B72_Unbiased	0.389	0.371	0.018
100	B73_Unbiased	0.382	0.376	0.006
100	B74_Unbiased	0.369	0.380	-0.011
100	B77_Unbiased	0.423	0.361	0.062
100	B78_Unbiased	0.398	0.351	0.047
100	B79_Unbiased	0.415	0.344	0.051
100	B80_Unbiased	0.432	0.382	0.050
100	C70_Unbiased	0.352	0.387	-0.035
100	C71_Unbiased	0.392	0.347	0.045
100	C72_Unbiased	0.430	0.425	0.005
100	C73_Unbiased	0.446	0.461	-0.015
100	C75_Unbiased	0.387	0.400	-0.013
100	C76_Unbiased	0.397	0.351	0.046
100	C79_Unbiased	0.375	0.330	-0.045
	Max	0.552	0.564	0.188
	Average	0.391	0.387	0.004
	Min	0.321	0.333	-0.156
	Std Dev	0.044	0.044	0.049

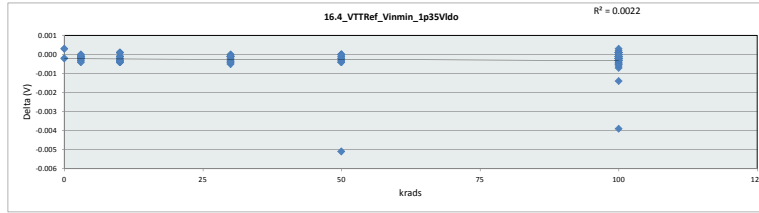


16.3_VTTRef_LineReg_1p2VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV/V				
Min Limit	-15	mV/V				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.369	0.333	0.348	0.342	0.351	0.333
Average	0.371	0.375	0.387	0.386	0.391	0.389
Max	0.373	0.419	0.460	0.472	0.564	0.515
UL	15.000	15.000	15.000	15.000	15.000	15.000

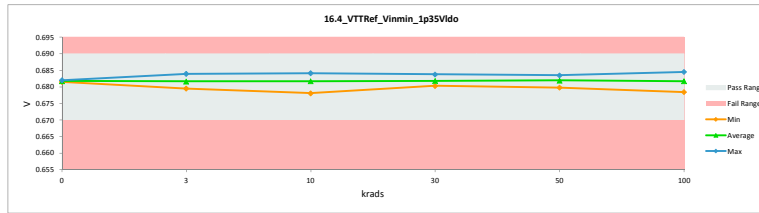


TID 100krad HDR Report
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16.4_VTTRef_Vinmin_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.69	0.69		
Min Limit	0.67	0.67		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.682	0.682	0.000
3	A116_Biased	0.682	0.682	0.000
3	A117_Biased	0.681	0.681	0.000
3	B36_Biased	0.681	0.682	0.000
3	B37_Biased	0.682	0.682	0.000
3	C39_Biased	0.681	0.681	0.000
3	A118_Unbiased	0.684	0.684	0.000
3	A140_Unbiased	0.682	0.682	0.000
3	B38_Unbiased	0.683	0.683	0.000
3	B39_Unbiased	0.679	0.679	0.000
3	C40_Unbiased	0.680	0.680	0.000
10	A119_Biased	0.683	0.683	0.000
10	A120_Biased	0.684	0.684	0.000
10	B40_Biased	0.680	0.681	0.000
10	C41_Biased	0.682	0.683	0.000
10	C42_Biased	0.684	0.684	0.000
10	A121_Unbiased	0.680	0.680	0.000
10	A124_Unbiased	0.678	0.678	0.000
10	B41_Unbiased	0.683	0.684	0.000
10	C43_Unbiased	0.680	0.680	0.000
10	C44_Unbiased	0.680	0.680	0.000
30	A125_Biased	0.682	0.682	0.000
30	B42_Biased	0.680	0.681	0.000
30	B43_Biased	0.682	0.682	0.000
30	C45_Biased	0.684	0.684	0.000
30	C46_Biased	0.680	0.680	0.000
30	A127_Unbiased	0.682	0.682	0.000
30	B45_Unbiased	0.680	0.680	0.000
30	B47_Unbiased	0.684	0.684	0.000
30	C47_Unbiased	0.681	0.681	0.000
30	C50_Unbiased	0.681	0.681	0.000
50	A128_Biased	0.683	0.683	0.000
50	A129_Biased	0.683	0.683	0.000
50	B48_Biased	0.680	0.681	0.000
50	B49_Biased	0.682	0.682	0.000
50	C51_Biased	0.683	0.683	0.000
50	A130_Unbiased	0.679	0.680	0.000
50	A131_Unbiased	0.681	0.681	0.000
50	B50_Unbiased	0.681	0.682	0.000
50	B51_Unbiased	0.678	-0.005	0.000
50	C53_Unbiased	0.681	0.681	0.000
0	106_Corr	0.682	0.682	0.000
100	A132_Biased	0.681	0.682	-0.001
100	A134_Biased	0.680	0.681	-0.001
100	A135_Biased	0.681	0.682	0.000
100	B52_Biased	0.678	0.678	0.000
100	B54_Biased	0.681	0.681	0.000
100	B55_Biased	0.682	0.682	-0.001
100	B56_Biased	0.683	0.683	-0.001
100	B57_Biased	0.683	0.684	-0.001
100	B59_Biased	0.680	0.680	0.000
100	B62_Biased	0.682	0.683	0.000
100	B63_Biased	0.682	0.682	0.000
100	B64_Biased	0.684	0.684	0.000
100	B66_Biased	0.682	0.682	0.000
100	B68_Biased	0.682	0.682	-0.001
100	C54_Biased	0.681	0.680	0.000
100	C55_Biased	0.682	0.682	0.000
100	C56_Biased	0.683	0.683	0.000
100	C57_Biased	0.682	0.682	0.000
100	C58_Biased	0.681	0.681	0.000
100	C59_Biased	0.683	0.683	0.000
100	C65_Biased	0.681	0.681	0.000
100	C67_Biased	0.683	0.683	0.000
100	A122_Unbiased	0.683	0.684	0.000
100	A138_Unbiased	0.682	0.683	0.000
100	A139_Unbiased	0.681	0.681	0.000
100	B60_Unbiased	0.681	0.684	-0.004
100	B61_Unbiased	0.682	0.682	0.000
100	B69_Unbiased	0.681	0.681	0.000
100	B70_Unbiased	0.682	0.682	0.000
100	B71_Unbiased	0.680	0.680	0.000
100	B72_Unbiased	0.681	0.681	0.000
100	B73_Unbiased	0.680	0.680	0.000
100	B74_Unbiased	0.680	0.680	0.000
100	B77_Unbiased	0.681	0.681	0.000
100	B78_Unbiased	0.681	0.681	0.000
100	B79_Unbiased	0.681	0.681	0.000
100	B80_Unbiased	0.681	0.681	0.000
100	C70_Unbiased	0.679	0.679	0.000
100	C71_Unbiased	0.682	0.682	0.000
100	C72_Unbiased	0.682	0.682	0.000
100	C73_Unbiased	0.680	0.680	0.000
100	C75_Unbiased	0.682	0.682	0.000
100	C76_Unbiased	0.684	0.684	0.000
100	C78_Unbiased	0.683	0.683	0.000
	Max	0.684	0.684	0.000
	Average	0.681	0.682	0.000
	Min	0.678	0.678	-0.005
	Std Dev	0.001	0.001	0.001

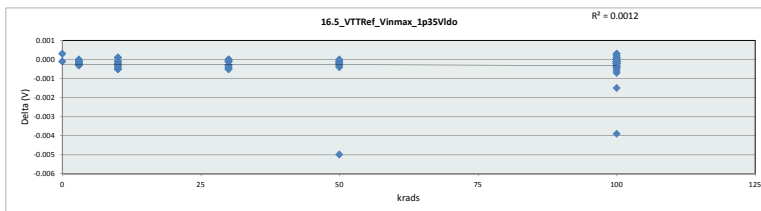


16.4_VTTRef_Vinmin_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.69	V				
Min Limit	0.67	V				
krads	0	3	10	30	50	100
LL	0.670	0.670	0.670	0.670	0.670	0.670
Min	0.682	0.680	0.678	0.680	0.680	0.678
Average	0.682	0.682	0.682	0.682	0.682	0.682
Max	0.682	0.684	0.684	0.684	0.684	0.685
UL	0.690	0.690	0.690	0.690	0.690	0.690

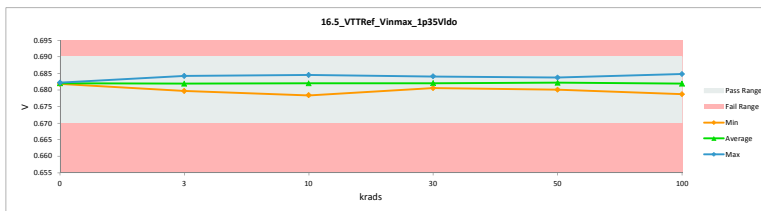


TID 100krad HDR Report
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16.5_VTTRef_Vinmax_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.69	0.69		
Min Limit	0.67	0.67		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.682	0.682	0.000
3	A116_Biased	0.682	0.683	0.000
3	A117_Biased	0.681	0.681	0.000
3	B36_Biased	0.682	0.682	0.000
3	B37_Biased	0.682	0.683	0.000
3	C39_Biased	0.682	0.682	0.000
3	A118_Unbiased	0.684	0.684	0.000
3	A140_Unbiased	0.682	0.682	0.000
3	B38_Unbiased	0.683	0.683	0.000
3	B39_Unbiased	0.679	0.680	0.000
3	C40_Unbiased	0.680	0.681	0.000
10	A119_Biased	0.683	0.683	0.000
10	A120_Biased	0.684	0.684	0.000
10	B40_Biased	0.681	0.681	-0.001
10	C41_Biased	0.683	0.683	0.000
10	C42_Biased	0.684	0.684	0.000
10	A121_Unbiased	0.680	0.681	0.000
10	A124_Unbiased	0.678	0.678	0.000
10	B41_Unbiased	0.684	0.684	0.000
10	C43_Unbiased	0.680	0.680	0.000
10	C44_Unbiased	0.681	0.681	0.000
30	A125_Biased	0.682	0.683	0.000
30	B42_Biased	0.681	0.681	0.000
30	B43_Biased	0.682	0.683	0.000
30	C45_Biased	0.684	0.684	0.000
30	C46_Biased	0.681	0.681	0.000
30	A127_Unbiased	0.682	0.683	-0.001
30	B45_Unbiased	0.680	0.681	0.000
30	B47_Unbiased	0.684	0.684	0.000
30	C47_Unbiased	0.682	0.682	0.000
30	C50_Unbiased	0.681	0.681	0.000
50	A128_Biased	0.683	0.683	0.000
50	A129_Biased	0.684	0.684	0.000
50	B48_Biased	0.681	0.681	0.000
50	B49_Biased	0.682	0.683	0.000
50	C51_Biased	0.683	0.683	0.000
50	A130_Unbiased	0.680	0.680	0.000
50	A131_Unbiased	0.681	0.682	0.000
50	B50_Unbiased	0.682	0.682	0.000
50	B51_Unbiased	0.679	-0.005	0.000
50	C53_Unbiased	0.682	0.682	0.000
0	106_Corr	0.682	0.682	0.000
100	A132_Biased	0.682	0.682	-0.001
100	A134_Biased	0.680	0.682	-0.002
100	A135_Biased	0.682	0.682	0.000
100	B52_Biased	0.679	0.679	0.000
100	B54_Biased	0.681	0.681	0.000
100	B55_Biased	0.682	0.683	-0.001
100	B56_Biased	0.683	0.683	0.000
100	B57_Biased	0.683	0.684	0.000
100	B59_Biased	0.680	0.680	0.000
100	B62_Biased	0.683	0.683	0.000
100	B63_Biased	0.682	0.682	0.000
100	B64_Biased	0.684	0.684	0.000
100	B66_Biased	0.682	0.682	0.000
100	B68_Biased	0.682	0.682	0.000
100	C54_Biased	0.681	0.681	0.000
100	C55_Biased	0.682	0.682	0.000
100	C56_Biased	0.683	0.683	0.000
100	C57_Biased	0.682	0.682	0.000
100	C58_Biased	0.682	0.682	0.000
100	C59_Biased	0.683	0.683	0.000
100	C65_Biased	0.681	0.681	0.000
100	C67_Biased	0.683	0.683	0.000
100	A122_Unbiased	0.684	0.684	0.000
100	A138_Unbiased	0.683	0.683	0.000
100	A139_Unbiased	0.682	0.682	0.000
100	B60_Unbiased	0.681	0.685	-0.004
100	B61_Unbiased	0.682	0.683	0.000
100	B69_Unbiased	0.681	0.681	0.000
100	B70_Unbiased	0.682	0.682	0.000
100	B71_Unbiased	0.681	0.681	0.000
100	B72_Unbiased	0.681	0.681	0.000
100	B73_Unbiased	0.680	0.680	0.000
100	B74_Unbiased	0.680	0.680	0.000
100	B77_Unbiased	0.681	0.681	0.000
100	B78_Unbiased	0.682	0.682	0.000
100	B79_Unbiased	0.681	0.681	0.000
100	B80_Unbiased	0.681	0.681	0.000
100	C70_Unbiased	0.679	0.679	0.000
100	C71_Unbiased	0.683	0.683	0.000
100	C72_Unbiased	0.682	0.682	0.000
100	C73_Unbiased	0.680	0.681	0.000
100	C75_Unbiased	0.682	0.682	0.000
100	C76_Unbiased	0.684	0.684	0.000
100	C79_Unbiased	0.683	0.683	0.000
	Max	0.684	0.685	0.000
	Average	0.682	0.682	0.000
	Min	0.678	0.678	-0.005
	Std Dev	0.001	0.001	0.001

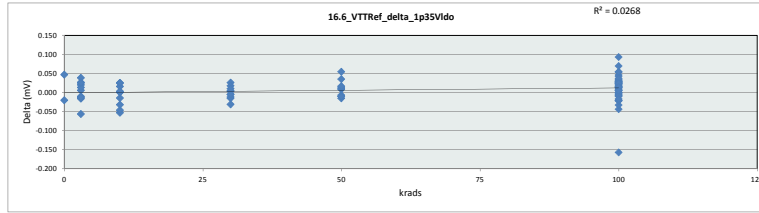


16.5_VTTRef_Vinmax_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.69	V				
Min Limit	0.67	V				
krads	0	3	10	30	50	100
LL	0.670	0.670	0.670	0.670	0.670	0.670
Min	0.682	0.680	0.678	0.681	0.680	0.679
Average	0.682	0.682	0.682	0.682	0.682	0.682
Max	0.682	0.684	0.685	0.684	0.684	0.685
UL	0.690	0.690	0.690	0.690	0.690	0.690

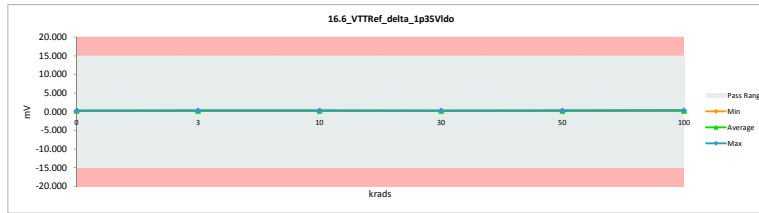


TID 100krad HDR Report
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16.6_VTTRef_delta_1p35Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.284	0.304	-0.020
3	A116_Biased	0.272	0.266	0.006
3	A117_Biased	0.292	0.302	-0.010
3	B36_Biased	0.328	0.308	0.020
3	B37_Biased	0.249	0.265	-0.016
3	C39_Biased	0.376	0.337	0.039
3	A118_Unbiased	0.291	0.247	-0.056
3	A140_Unbiased	0.284	0.271	0.013
3	B38_Unbiased	0.288	0.261	0.027
3	B39_Unbiased	0.253	0.266	-0.013
3	C40_Unbiased	0.282	0.257	0.025
10	A119_Biased	0.283	0.258	0.025
10	A120_Biased	0.273	0.323	-0.053
10	B40_Biased	0.257	0.303	-0.046
10	C41_Biased	0.290	0.274	0.016
10	C42_Biased	0.377	0.352	0.025
10	A121_Unbiased	0.267	0.266	0.001
10	A124_Unbiased	0.277	0.291	-0.014
10	B41_Unbiased	0.278	0.310	-0.032
10	C43_Unbiased	0.299	0.298	0.001
10	C44_Unbiased	0.276	0.273	0.003
30	A125_Biased	0.266	0.271	-0.005
30	B42_Biased	0.260	0.291	-0.031
30	B43_Biased	0.250	0.265	-0.015
30	C45_Biased	0.291	0.265	0.026
30	C46_Biased	0.280	0.276	0.004
30	A127_Unbiased	0.263	0.245	0.018
30	B45_Unbiased	0.272	0.269	0.003
30	B47_Unbiased	0.288	0.300	-0.012
30	C47_Unbiased	0.327	0.317	0.010
30	C50_Unbiased	0.301	0.306	-0.005
50	A128_Biased	0.264	0.271	-0.007
50	A129_Biased	0.266	0.258	0.008
50	B48_Biased	0.279	0.294	-0.015
50	B49_Biased	0.267	0.256	0.011
50	C51_Biased	0.272	0.258	0.014
50	A130_Unbiased	0.265	0.275	-0.010
50	A131_Unbiased	0.324	0.334	-0.010
50	B50_Unbiased	0.327	0.272	0.055
50	B51_Unbiased	0.298	0.235	0.063
50	C53_Unbiased	0.331	0.314	0.017
0	106_Corr	0.302	0.255	0.047
100	A132_Biased	0.330	0.237	0.093
100	A134_Biased	0.266	0.423	-0.157
100	A135_Biased	0.321	0.294	0.027
100	B52_Biased	0.333	0.333	0.000
100	B54_Biased	0.251	0.295	-0.044
100	B55_Biased	0.261	0.255	0.006
100	B56_Biased	0.288	0.258	0.030
100	B57_Biased	0.251	0.258	-0.007
100	B59_Biased	0.273	0.293	-0.020
100	B62_Biased	0.274	0.250	0.024
100	B63_Biased	0.278	0.278	0.000
100	B64_Biased	0.319	0.273	0.046
100	B66_Biased	0.284	0.290	-0.006
100	B68_Biased	0.313	0.270	0.043
100	C54_Biased	0.295	0.266	0.029
100	C55_Biased	0.306	0.252	0.054
100	C56_Biased	0.289	0.259	0.030
100	C57_Biased	0.292	0.237	0.055
100	C58_Biased	0.362	0.292	0.070
100	C59_Biased	0.294	0.271	0.023
100	C65_Biased	0.291	0.206	0.085
100	C67_Biased	0.282	0.266	0.016
100	A122_Unbiased	0.243	0.276	-0.033
100	A138_Unbiased	0.269	0.278	-0.009
100	A139_Unbiased	0.305	0.308	-0.003
100	B60_Unbiased	0.287	0.270	0.017
100	B61_Unbiased	0.291	0.257	0.034
100	B69_Unbiased	0.287	0.279	0.008
100	B70_Unbiased	0.291	0.269	0.022
100	B71_Unbiased	0.287	0.275	0.012
100	B72_Unbiased	0.299	0.308	-0.009
100	B73_Unbiased	0.308	0.289	0.019
100	B74_Unbiased	0.304	0.279	0.025
100	B77_Unbiased	0.289	0.310	-0.021
100	B78_Unbiased	0.343	0.313	0.030
100	B79_Unbiased	0.269	0.291	-0.022
100	B80_Unbiased	0.328	0.301	0.027
100	C70_Unbiased	0.259	0.276	-0.017
100	C71_Unbiased	0.279	0.266	0.013
100	C72_Unbiased	0.310	0.273	0.037
100	C73_Unbiased	0.300	0.286	0.014
100	C75_Unbiased	0.287	0.263	0.024
100	C76_Unbiased	0.395	0.381	0.014
100	C78_Unbiased	0.305	0.300	0.005
	Max	0.395	0.423	0.093
	Average	0.291	0.285	0.007
	Min	0.243	0.237	-0.157
	Std Dev	0.029	0.030	0.032

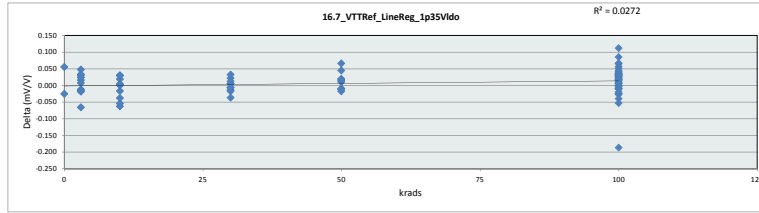


16.6_VTTRef_delta_1p35Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.255	0.257	0.258	0.245	0.256	0.237
Average	0.280	0.288	0.295	0.281	0.280	0.284
Max	0.304	0.347	0.352	0.317	0.334	0.423
UL	15.000	15.000	15.000	15.000	15.000	15.000

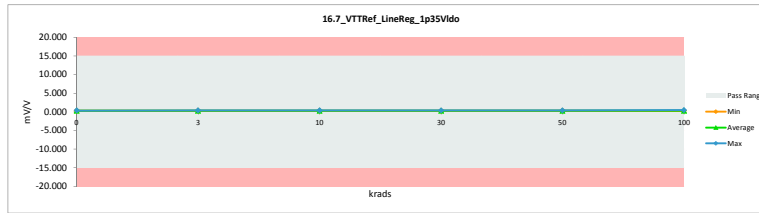


TID 100krad HDR Report
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16.7_VTTRef_LineReg_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.340	0.365	-0.025
3	A116_Biased	0.326	0.319	0.007
3	A117_Biased	0.350	0.362	-0.012
3	B36_Biased	0.393	0.369	0.024
3	B37_Biased	0.298	0.317	-0.019
3	C39_Biased	0.451	0.403	0.048
3	A118_Unbiased	0.348	0.414	-0.066
3	A140_Unbiased	0.340	0.324	0.016
3	B38_Unbiased	0.345	0.312	0.033
3	B39_Unbiased	0.304	0.320	-0.016
3	C40_Unbiased	0.338	0.309	0.029
10	A119_Biased	0.338	0.308	0.030
10	A120_Biased	0.326	0.359	-0.063
10	B40_Biased	0.309	0.363	-0.054
10	C41_Biased	0.347	0.328	0.019
10	C42_Biased	0.449	0.420	0.029
10	A121_Unbiased	0.321	0.319	0.002
10	A124_Unbiased	0.333	0.350	-0.017
10	B41_Unbiased	0.332	0.370	-0.038
10	C43_Unbiased	0.359	0.358	0.001
10	C44_Unbiased	0.332	0.328	0.004
30	A125_Biased	0.318	0.325	-0.007
30	B42_Biased	0.312	0.349	-0.037
30	B43_Biased	0.299	0.317	-0.018
30	C45_Biased	0.348	0.316	0.032
30	C46_Biased	0.337	0.332	0.005
30	A127_Unbiased	0.315	0.293	0.022
30	B45_Unbiased	0.327	0.323	0.004
30	B47_Unbiased	0.344	0.358	-0.014
30	C47_Unbiased	0.392	0.380	0.012
30	C50_Unbiased	0.367	0.367	0.000
50	A128_Biased	0.315	0.324	-0.009
50	A129_Biased	0.318	0.308	0.010
50	B48_Biased	0.335	0.353	-0.018
50	B49_Biased	0.320	0.306	0.014
50	C51_Biased	0.326	0.308	0.018
50	A130_Unbiased	0.318	0.330	-0.012
50	A131_Unbiased	0.388	0.400	-0.012
50	B50_Unbiased	0.392	0.326	0.066
50	B51_Unbiased	0.359	0.314	0.045
50	C53_Unbiased	0.396	0.376	0.020
0	106_Corr	0.361	0.306	0.055
100	A132_Biased	0.395	0.283	0.112
100	A134_Biased	0.319	0.506	-0.187
100	A135_Biased	0.384	0.352	0.032
100	B52_Biased	0.401	0.400	0.001
100	B54_Biased	0.301	0.354	-0.053
100	B55_Biased	0.312	0.305	0.007
100	B56_Biased	0.345	0.308	0.037
100	B57_Biased	0.300	0.309	-0.009
100	B59_Biased	0.328	0.352	-0.024
100	B62_Biased	0.327	0.299	0.028
100	B63_Biased	0.333	0.333	0.000
100	B64_Biased	0.381	0.325	0.056
100	B66_Biased	0.340	0.348	-0.008
100	B68_Biased	0.375	0.324	0.051
100	C54_Biased	0.353	0.319	0.034
100	C55_Biased	0.366	0.301	0.065
100	C56_Biased	0.346	0.310	0.036
100	C57_Biased	0.350	0.283	0.067
100	C58_Biased	0.434	0.349	0.085
100	C59_Biased	0.351	0.324	0.027
100	C65_Biased	0.349	0.343	0.006
100	C67_Biased	0.338	0.318	0.020
100	A122_Unbiased	0.290	0.330	-0.040
100	A138_Unbiased	0.322	0.332	-0.010
100	A139_Unbiased	0.366	0.369	-0.003
100	B60_Unbiased	0.344	0.322	0.022
100	B61_Unbiased	0.349	0.308	0.041
100	B69_Unbiased	0.344	0.335	0.009
100	B70_Unbiased	0.349	0.322	0.027
100	B71_Unbiased	0.344	0.330	0.014
100	B72_Unbiased	0.358	0.369	-0.011
100	B73_Unbiased	0.369	0.346	0.023
100	B74_Unbiased	0.365	0.335	0.030
100	B77_Unbiased	0.347	0.371	-0.024
100	B78_Unbiased	0.411	0.375	0.036
100	B79_Unbiased	0.323	0.350	-0.027
100	B80_Unbiased	0.393	0.361	0.032
100	C70_Unbiased	0.312	0.332	-0.020
100	C71_Unbiased	0.334	0.318	0.016
100	C72_Unbiased	0.371	0.327	0.044
100	C73_Unbiased	0.360	0.343	0.017
100	C75_Unbiased	0.344	0.315	0.029
100	C76_Unbiased	0.472	0.454	0.018
100	C79_Unbiased	0.355	0.355	0.000
	Max	0.472	0.506	0.112
	Average	0.349	0.341	0.008
	Min	0.290	0.283	-0.187
	Std Dev	0.035	0.036	0.038

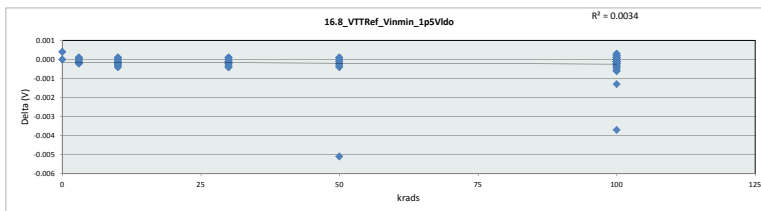


16.7_VTTRef_LineReg_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV/V				
Min Limit	-15	mV/V				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.306	0.309	0.308	0.293	0.306	0.283
Average	0.336	0.345	0.353	0.336	0.335	0.340
Max	0.365	0.414	0.420	0.380	0.400	0.506
UL	15.000	15.000	15.000	15.000	15.000	15.000

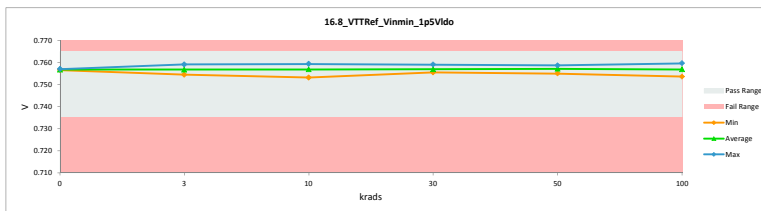


TID 100krad HDR Report
TPS7H3301-SP

16.8_VTTRef_Vinmin_1p5Vdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.735	0.735		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.757	0.757	0.000
3	A116_Biased	0.757	0.757	0.000
3	A117_Biased	0.756	0.756	0.000
3	B36_Biased	0.757	0.757	0.000
3	B37_Biased	0.757	0.757	0.000
3	C39_Biased	0.757	0.757	0.000
3	A118_Unbiased	0.759	0.759	0.000
3	A140_Unbiased	0.757	0.757	0.000
3	B38_Unbiased	0.758	0.758	0.000
3	B39_Unbiased	0.754	0.754	0.000
3	C40_Unbiased	0.756	0.755	0.000
10	A119_Biased	0.758	0.758	0.000
10	A120_Biased	0.759	0.759	0.000
10	B40_Biased	0.756	0.756	0.000
10	C41_Biased	0.758	0.758	0.000
10	C42_Biased	0.759	0.759	0.000
10	A121_Unbiased	0.756	0.756	0.000
10	A124_Unbiased	0.753	0.753	0.000
10	B41_Unbiased	0.759	0.759	0.000
10	C43_Unbiased	0.755	0.755	0.000
10	C44_Unbiased	0.756	0.756	0.000
30	A125_Biased	0.757	0.757	0.000
30	B42_Biased	0.756	0.756	0.000
30	B43_Biased	0.757	0.757	0.000
30	C45_Biased	0.759	0.759	0.000
30	C46_Biased	0.756	0.756	0.000
30	A127_Unbiased	0.757	0.757	0.000
30	B45_Unbiased	0.755	0.755	0.000
30	B47_Unbiased	0.759	0.759	0.000
30	C47_Unbiased	0.757	0.757	0.000
30	C50_Unbiased	0.756	0.756	0.000
50	A128_Biased	0.758	0.758	0.000
50	A129_Biased	0.758	0.759	0.000
50	B48_Biased	0.756	0.756	0.000
50	B49_Biased	0.757	0.757	0.000
50	C51_Biased	0.758	0.758	0.000
50	A130_Unbiased	0.755	0.755	0.000
50	A131_Unbiased	0.756	0.756	0.000
50	B50_Unbiased	0.757	0.757	0.000
50	B51_Unbiased	0.753	-0.005	0.000
50	C53_Unbiased	0.757	0.757	0.000
0	106_Corr	0.757	0.757	0.000
100	A132_Biased	0.757	0.757	-0.001
100	A134_Biased	0.755	0.757	-0.001
100	A135_Biased	0.757	0.757	0.000
100	B52_Biased	0.753	0.754	0.000
100	B54_Biased	0.756	0.756	0.000
100	B55_Biased	0.757	0.757	-0.001
100	B56_Biased	0.758	0.758	0.000
100	B57_Biased	0.758	0.759	-0.001
100	B59_Biased	0.755	0.755	0.000
100	B62_Biased	0.757	0.758	0.000
100	B63_Biased	0.757	0.757	0.000
100	B64_Biased	0.759	0.759	0.000
100	B66_Biased	0.757	0.757	0.000
100	B68_Biased	0.757	0.757	0.000
100	C54_Biased	0.756	0.756	0.000
100	C55_Biased	0.757	0.757	0.000
100	C56_Biased	0.758	0.758	0.000
100	C57_Biased	0.757	0.757	0.000
100	C58_Biased	0.757	0.757	0.000
100	C59_Biased	0.758	0.758	0.000
100	C65_Biased	0.756	0.756	0.000
100	C67_Biased	0.758	0.758	0.000
100	A122_Unbiased	0.759	0.759	0.000
100	A138_Unbiased	0.757	0.758	0.000
100	A139_Unbiased	0.757	0.757	0.000
100	B60_Unbiased	0.756	0.760	-0.004
100	B61_Unbiased	0.757	0.757	0.000
100	B69_Unbiased	0.756	0.756	0.000
100	B70_Unbiased	0.757	0.757	0.000
100	B71_Unbiased	0.756	0.756	0.000
100	B72_Unbiased	0.756	0.756	0.000
100	B73_Unbiased	0.755	0.755	0.000
100	B74_Unbiased	0.755	0.755	0.000
100	B77_Unbiased	0.756	0.756	0.000
100	B78_Unbiased	0.757	0.757	0.000
100	B79_Unbiased	0.756	0.756	0.000
100	B80_Unbiased	0.756	0.756	0.000
100	C70_Unbiased	0.754	0.754	0.000
100	C71_Unbiased	0.757	0.757	0.000
100	C72_Unbiased	0.757	0.757	0.000
100	C73_Unbiased	0.755	0.756	0.000
100	C75_Unbiased	0.757	0.757	0.000
100	C76_Unbiased	0.759	0.759	0.000
100	C79_Unbiased	0.758	0.758	0.000
	Max	0.759	0.760	0.000
	Average	0.757	0.757	0.000
	Min	0.753	0.753	-0.005
	Std Dev	0.001	0.001	0.001

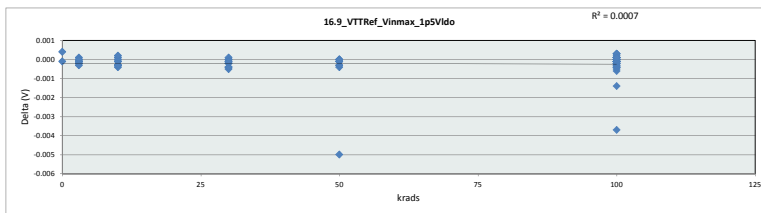


16.8_VTTRef_Vinmin_1p5Vdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.735	V				
krads	0	3	10	30	50	100
LL	0.735	0.735	0.735	0.735	0.735	0.735
Min	0.757	0.755	0.753	0.756	0.755	0.754
Average	0.757	0.757	0.757	0.757	0.757	0.757
Max	0.757	0.759	0.759	0.759	0.759	0.760
UL	0.765	0.765	0.765	0.765	0.765	0.765

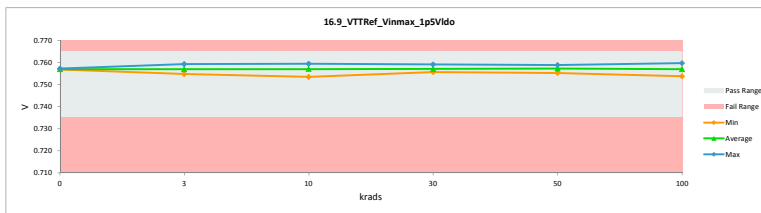


TID 100krad HDR Report
TPS7H3301-SP

16.9_VTTRef_Vinmax_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V			
Max Limit	0.765			
Min Limit	0.735	0.735		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.757	0.757	0.000
3	A116_Biased	0.757	0.757	0.000
3	A117_Biased	0.756	0.756	0.000
3	B36_Biased	0.757	0.757	0.000
3	B37_Biased	0.757	0.757	0.000
3	C39_Biased	0.757	0.757	0.000
3	A118_Unbiased	0.759	0.759	0.000
3	A140_Unbiased	0.757	0.757	0.000
3	B38_Unbiased	0.758	0.758	0.000
3	B39_Unbiased	0.754	0.755	0.000
3	C40_Unbiased	0.756	0.756	0.000
10	A119_Biased	0.758	0.758	0.000
10	A120_Biased	0.759	0.759	0.000
10	B40_Biased	0.756	0.756	0.000
10	C41_Biased	0.758	0.758	0.000
10	C42_Biased	0.759	0.759	0.000
10	A121_Unbiased	0.756	0.756	0.000
10	A124_Unbiased	0.753	0.753	0.000
10	B41_Unbiased	0.759	0.759	0.000
10	C43_Unbiased	0.756	0.755	0.000
10	C44_Unbiased	0.756	0.756	0.000
30	A125_Biased	0.757	0.757	0.000
30	B42_Biased	0.756	0.756	0.000
30	B43_Biased	0.757	0.758	0.000
30	C45_Biased	0.759	0.759	0.000
30	C46_Biased	0.756	0.756	0.000
30	A127_Unbiased	0.757	0.757	0.000
30	B45_Unbiased	0.755	0.756	0.000
30	B47_Unbiased	0.759	0.759	0.000
30	C47_Unbiased	0.757	0.757	0.000
30	C50_Unbiased	0.756	0.756	0.000
50	A128_Biased	0.758	0.758	0.000
50	A129_Biased	0.759	0.759	0.000
50	B48_Biased	0.756	0.756	0.000
50	B49_Biased	0.757	0.758	0.000
50	C51_Biased	0.758	0.758	0.000
50	A130_Unbiased	0.755	0.755	0.000
50	A131_Unbiased	0.757	0.757	0.000
50	B50_Unbiased	0.757	0.757	0.000
50	B51_Unbiased	0.754	-0.005	0.000
50	C53_Unbiased	0.757	0.757	0.000
0	106_Corr	0.757	0.757	0.000
100	A132_Biased	0.757	0.757	-0.001
100	A134_Biased	0.755	0.757	-0.001
100	A135_Biased	0.757	0.757	0.000
100	B52_Biased	0.754	0.754	0.000
100	B54_Biased	0.756	0.756	0.000
100	B55_Biased	0.757	0.757	0.000
100	B56_Biased	0.758	0.759	0.000
100	B57_Biased	0.758	0.759	0.000
100	B59_Biased	0.755	0.755	0.000
100	B62_Biased	0.758	0.758	0.000
100	B63_Biased	0.757	0.757	0.000
100	B64_Biased	0.759	0.759	0.000
100	B66_Biased	0.757	0.757	0.000
100	B68_Biased	0.757	0.757	0.000
100	C54_Biased	0.756	0.756	0.000
100	C55_Biased	0.757	0.757	0.000
100	C56_Biased	0.758	0.758	0.000
100	C57_Biased	0.757	0.757	0.000
100	C58_Biased	0.757	0.757	0.000
100	C59_Biased	0.758	0.758	0.000
100	C65_Biased	0.756	0.756	0.000
100	C67_Biased	0.758	0.758	0.000
100	A122_Unbiased	0.759	0.759	0.000
100	A138_Unbiased	0.758	0.758	0.000
100	A139_Unbiased	0.757	0.757	0.000
100	B60_Unbiased	0.756	0.760	-0.004
100	B61_Unbiased	0.757	0.757	0.000
100	B69_Unbiased	0.756	0.756	0.000
100	B70_Unbiased	0.757	0.757	0.000
100	B71_Unbiased	0.756	0.756	0.000
100	B72_Unbiased	0.756	0.756	0.000
100	B73_Unbiased	0.755	0.755	0.000
100	B74_Unbiased	0.755	0.755	0.000
100	B77_Unbiased	0.756	0.756	0.000
100	B78_Unbiased	0.757	0.757	0.000
100	B79_Unbiased	0.756	0.756	0.000
100	B80_Unbiased	0.757	0.756	0.000
100	C70_Unbiased	0.754	0.754	0.000
100	C71_Unbiased	0.757	0.757	0.000
100	C72_Unbiased	0.757	0.757	0.000
100	C73_Unbiased	0.756	0.756	0.000
100	C75_Unbiased	0.757	0.757	0.000
100	C76_Unbiased	0.759	0.759	0.000
100	C79_Unbiased	0.758	0.758	0.000
	Max	0.759	0.760	0.000
	Average	0.757	0.757	0.000
	Min	0.753	0.753	-0.005
	Std Dev	0.001	0.001	0.001

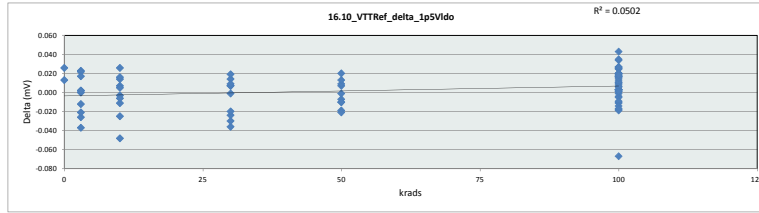


16.9_VTTRef_Vinmax_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.735	V				
krads	0	3	10	30	50	100
LL	0.735	0.735	0.735	0.735	0.735	0.735
Min	0.757	0.755	0.753	0.756	0.755	0.754
Average	0.757	0.757	0.757	0.757	0.757	0.757
Max	0.757	0.759	0.759	0.759	0.759	0.760
UL	0.765	0.765	0.765	0.765	0.765	0.765

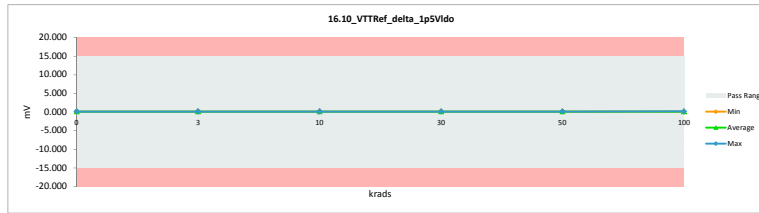


TID 100krad HDR Report
TPS7H3301-SP

16_10_VTTRef_delta_1p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.140	0.114	0.026
3	A116_Biased	0.112	0.138	-0.026
3	A117_Biased	0.130	0.130	0.000
3	B36_Biased	0.126	0.124	0.002
3	B37_Biased	0.114	0.135	-0.021
3	C39_Biased	0.149	0.126	0.023
3	A118_Unbiased	0.122	0.120	0.002
3	A140_Unbiased	0.140	0.118	0.022
3	B38_Unbiased	0.150	0.133	0.017
3	B39_Unbiased	0.114	0.151	-0.037
3	C40_Unbiased	0.119	0.131	-0.012
10	A119_Biased	0.129	0.122	0.007
10	A120_Biased	0.104	0.115	-0.011
10	B40_Biased	0.137	0.123	0.014
10	C41_Biased	0.146	0.120	0.026
10	C42_Biased	0.137	0.121	0.016
10	A121_Unbiased	0.099	0.147	-0.048
10	A124_Unbiased	0.128	0.131	-0.003
10	B41_Unbiased	0.113	0.138	-0.025
10	C43_Unbiased	0.131	0.126	0.005
10	C44_Unbiased	0.137	0.143	-0.006
30	A125_Biased	0.103	0.127	-0.024
30	B42_Biased	0.136	0.122	0.014
30	B43_Biased	0.111	0.147	-0.036
30	C45_Biased	0.132	0.125	0.007
30	C46_Biased	0.137	0.130	0.007
30	A127_Unbiased	0.104	0.134	-0.030
30	B45_Unbiased	0.136	0.127	0.009
30	B47_Unbiased	0.134	0.115	0.019
30	C47_Unbiased	0.126	0.127	-0.001
30	C50_Unbiased	0.124	0.144	-0.020
50	A128_Biased	0.108	0.118	-0.010
50	A129_Biased	0.121	0.128	-0.007
50	B48_Biased	0.122	0.141	-0.019
50	B49_Biased	0.122	0.143	-0.021
50	C51_Biased	0.120	0.121	-0.001
50	A130_Unbiased	0.142	0.122	0.020
50	A131_Unbiased	0.125	0.118	0.007
50	B50_Unbiased	0.118	0.128	-0.010
50	B51_Unbiased	0.132	0.099	0.033
50	C53_Unbiased	0.129	0.116	0.013
0	106_Corr	0.144	0.131	0.013
100	A132_Biased	0.124	0.135	-0.011
100	A134_Biased	0.111	0.178	-0.067
100	A135_Biased	0.118	0.115	0.003
100	B52_Biased	0.143	0.118	0.025
100	B54_Biased	0.109	0.101	0.008
100	B55_Biased	0.125	0.143	-0.018
100	B56_Biased	0.133	0.113	0.020
100	B57_Biased	0.113	0.107	0.006
100	B59_Biased	0.160	0.126	0.034
100	B62_Biased	0.146	0.129	0.017
100	B63_Biased	0.129	0.126	0.003
100	B64_Biased	0.145	0.118	0.027
100	B66_Biased	0.147	0.104	0.043
100	B68_Biased	0.136	0.119	0.017
100	C54_Biased	0.140	0.130	0.010
100	C55_Biased	0.144	0.109	0.035
100	C56_Biased	0.129	0.127	0.002
100	C57_Biased	0.125	0.122	0.003
100	C58_Biased	0.120	0.124	-0.004
100	C59_Biased	0.132	0.106	0.026
100	C65_Biased	0.125	0.130	-0.005
100	C67_Biased	0.117	0.107	0.010
100	A122_Unbiased	0.111	0.108	0.003
100	A138_Unbiased	0.135	0.119	0.016
100	A139_Unbiased	0.121	0.122	-0.001
100	B60_Unbiased	0.136	0.117	0.019
100	B61_Unbiased	0.119	0.129	-0.010
100	B69_Unbiased	0.136	0.145	-0.009
100	B70_Unbiased	0.119	0.106	0.013
100	B71_Unbiased	0.136	0.156	-0.019
100	B72_Unbiased	0.145	0.120	0.025
100	B73_Unbiased	0.136	0.116	0.020
100	B74_Unbiased	0.123	0.137	-0.014
100	B77_Unbiased	0.128	0.125	0.003
100	B78_Unbiased	0.131	0.120	0.011
100	B79_Unbiased	0.135	0.118	0.017
100	B80_Unbiased	0.139	0.138	0.001
100	C70_Unbiased	0.130	0.115	0.015
100	C71_Unbiased	0.139	0.156	-0.017
100	C72_Unbiased	0.131	0.125	0.006
100	C73_Unbiased	0.144	0.124	0.020
100	C75_Unbiased	0.154	0.127	0.027
100	C76_Unbiased	0.119	0.118	0.001
100	C78_Unbiased	0.137	0.137	0.000
	Max	0.160	0.178	0.043
	Average	0.129	0.126	0.003
	Min	0.099	0.101	-0.067
	Std Dev	0.013	0.013	0.019

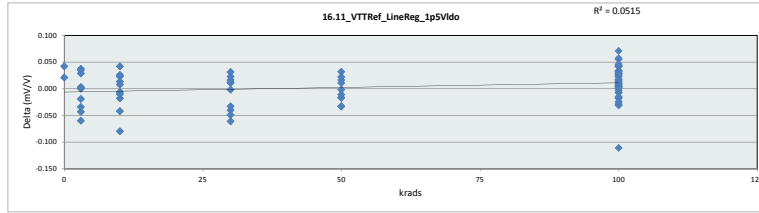


16.10_VTTRef_delta_1p5Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.114	0.118	0.115	0.115	0.116	0.101
Average	0.123	0.131	0.129	0.130	0.126	0.124
Max	0.131	0.151	0.147	0.147	0.143	0.178
UL	15.000	15.000	15.000	15.000	15.000	15.000

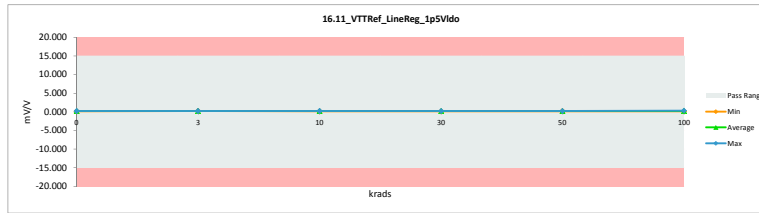


TID 100krad HDR Report
TPS7H3301-SP

16.11_VTTRef_LineReg_ip5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.230	0.188	0.042
3	A116_Biased	0.185	0.228	-0.043
3	A117_Biased	0.214	0.214	0.000
3	B36_Biased	0.208	0.205	0.003
3	B37_Biased	0.188	0.222	-0.034
3	C39_Biased	0.245	0.208	0.037
3	A118_Unbiased	0.200	0.198	0.002
3	A140_Unbiased	0.230	0.195	0.035
3	B38_Unbiased	0.248	0.219	0.029
3	B39_Unbiased	0.190	0.250	-0.060
3	C40_Unbiased	0.198	0.217	-0.019
10	A119_Biased	0.213	0.200	0.013
10	A120_Biased	0.171	0.189	-0.018
10	B40_Biased	0.226	0.203	0.023
10	C41_Biased	0.240	0.198	0.042
10	C42_Biased	0.226	0.200	0.026
10	A121_Unbiased	0.163	0.243	-0.080
10	A124_Unbiased	0.212	0.218	-0.006
10	B41_Unbiased	0.186	0.228	-0.042
10	C43_Unbiased	0.217	0.209	0.008
10	C44_Unbiased	0.227	0.237	-0.010
30	A125_Biased	0.170	0.210	-0.040
30	B42_Biased	0.225	0.202	0.023
30	B43_Biased	0.182	0.243	-0.061
30	C45_Biased	0.217	0.205	0.012
30	C46_Biased	0.227	0.216	0.011
30	A127_Unbiased	0.172	0.221	-0.049
30	B45_Unbiased	0.226	0.210	0.016
30	B47_Unbiased	0.220	0.189	0.031
30	C47_Unbiased	0.208	0.210	-0.002
30	C50_Unbiased	0.205	0.238	-0.033
50	A128_Biased	0.178	0.195	-0.017
50	A129_Biased	0.200	0.211	-0.011
50	B48_Biased	0.201	0.234	-0.033
50	B49_Biased	0.202	0.235	-0.033
50	C51_Biased	0.198	0.200	-0.002
50	A130_Unbiased	0.234	0.202	0.032
50	A131_Unbiased	0.206	0.195	0.011
50	B50_Unbiased	0.194	0.211	-0.017
50	B51_Unbiased	0.219	0.203	0.016
50	C53_Unbiased	0.214	0.192	0.022
0	106_Corr	0.238	0.217	0.021
100	A132_Biased	0.205	0.223	-0.018
100	A134_Biased	0.184	0.295	-0.111
100	A135_Biased	0.196	0.189	0.007
100	B52_Biased	0.238	0.196	0.042
100	B54_Biased	0.180	0.167	0.013
100	B55_Biased	0.206	0.236	-0.030
100	B56_Biased	0.219	0.186	0.033
100	B57_Biased	0.186	0.176	0.010
100	B59_Biased	0.264	0.209	0.055
100	B62_Biased	0.240	0.212	0.028
100	B63_Biased	0.214	0.207	0.007
100	B64_Biased	0.238	0.194	0.044
100	B66_Biased	0.243	0.172	0.071
100	B68_Biased	0.225	0.196	0.029
100	C54_Biased	0.232	0.215	0.017
100	C55_Biased	0.238	0.181	0.057
100	C56_Biased	0.213	0.210	0.003
100	C57_Biased	0.206	0.201	0.005
100	C58_Biased	0.198	0.205	-0.007
100	C59_Biased	0.218	0.176	0.042
100	C65_Biased	0.207	0.214	-0.007
100	C67_Biased	0.192	0.177	0.015
100	A122_Unbiased	0.182	0.178	0.004
100	A138_Unbiased	0.222	0.197	0.025
100	A139_Unbiased	0.199	0.202	-0.003
100	B60_Unbiased	0.225	0.193	0.032
100	B61_Unbiased	0.196	0.212	-0.016
100	B69_Unbiased	0.225	0.240	-0.015
100	B70_Unbiased	0.196	0.174	0.022
100	B71_Unbiased	0.226	0.226	-0.000
100	B72_Unbiased	0.240	0.198	0.042
100	B73_Unbiased	0.225	0.192	0.033
100	B74_Unbiased	0.203	0.227	-0.024
100	B77_Unbiased	0.211	0.206	0.005
100	B78_Unbiased	0.216	0.198	0.018
100	B79_Unbiased	0.223	0.195	0.028
100	B80_Unbiased	0.230	0.229	0.001
100	C70_Unbiased	0.215	0.190	0.025
100	C71_Unbiased	0.230	0.227	-0.003
100	C72_Unbiased	0.216	0.206	0.010
100	C73_Unbiased	0.239	0.205	0.034
100	C75_Unbiased	0.255	0.209	0.046
100	C76_Unbiased	0.195	0.194	0.001
100	C79_Unbiased	0.225	0.196	0.029
	Max	0.264	0.295	0.071
	Average	0.213	0.208	0.005
	Min	0.163	0.167	-0.111
	Std Dev	0.021	0.021	0.032

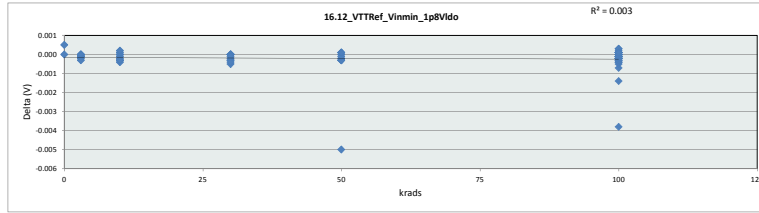


16.11_VTTRef_LineReg_ip5Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV/V				
Min Limit	-15	mV/V				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.188	0.195	0.189	0.189	0.192	0.167
Average	0.203	0.216	0.213	0.214	0.208	0.204
Max	0.217	0.250	0.243	0.243	0.235	0.295
UL	15.000	15.000	15.000	15.000	15.000	15.000

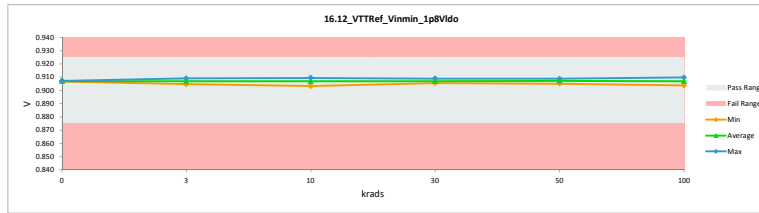


TID 100krad HDR Report
TPS7H3301-SP

16.12_VTTRef_Vinmin_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.925	0.925		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.907	0.907	0.000
3	A116_Biased	0.907	0.908	0.000
3	A117_Biased	0.906	0.906	0.000
3	B36_Biased	0.907	0.907	0.000
3	B37_Biased	0.907	0.907	0.000
3	C39_Biased	0.907	0.907	0.000
3	A118_Unbiased	0.909	0.909	0.000
3	A140_Unbiased	0.907	0.907	0.000
3	B38_Unbiased	0.908	0.908	0.000
3	B39_Unbiased	0.904	0.905	0.000
3	C40_Unbiased	0.905	0.905	0.000
10	A119_Biased	0.908	0.908	0.000
10	A120_Biased	0.909	0.909	0.000
10	B40_Biased	0.906	0.906	0.000
10	C41_Biased	0.908	0.908	0.000
10	C42_Biased	0.909	0.909	0.000
10	A121_Unbiased	0.905	0.906	0.000
10	A124_Unbiased	0.903	0.903	0.000
10	B41_Unbiased	0.909	0.909	0.000
10	C43_Unbiased	0.905	0.905	0.000
10	C44_Unbiased	0.906	0.906	0.000
30	A125_Biased	0.907	0.907	0.000
30	B42_Biased	0.906	0.906	0.000
30	B43_Biased	0.907	0.908	0.000
30	C45_Biased	0.909	0.909	0.000
30	C46_Biased	0.906	0.906	0.000
30	A127_Unbiased	0.907	0.908	-0.001
30	B45_Unbiased	0.905	0.905	0.000
30	B47_Unbiased	0.909	0.909	0.000
30	C47_Unbiased	0.907	0.907	0.000
30	C50_Unbiased	0.906	0.906	0.000
50	A128_Biased	0.908	0.908	0.000
50	A129_Biased	0.909	0.909	0.000
50	B48_Biased	0.906	0.906	0.000
50	B49_Biased	0.907	0.908	0.000
50	C51_Biased	0.908	0.908	0.000
50	A130_Unbiased	0.905	0.905	0.000
50	A131_Unbiased	0.907	0.906	0.000
50	B50_Unbiased	0.907	0.907	0.000
50	B51_Unbiased	0.904	-0.005	0.000
50	C53_Unbiased	0.907	0.907	0.000
0	106_Corr	0.907	0.907	0.000
100	A132_Biased	0.907	0.907	-0.001
100	A134_Biased	0.905	0.907	-0.001
100	A135_Biased	0.907	0.907	0.000
100	B52_Biased	0.904	0.904	0.000
100	B54_Biased	0.906	0.906	0.000
100	B55_Biased	0.907	0.908	-0.001
100	B56_Biased	0.908	0.909	0.000
100	B57_Biased	0.909	0.909	0.000
100	B59_Biased	0.905	0.905	0.000
100	B62_Biased	0.908	0.908	0.000
100	B63_Biased	0.907	0.907	0.000
100	B64_Biased	0.909	0.909	0.000
100	B66_Biased	0.907	0.907	0.000
100	B68_Biased	0.907	0.907	0.000
100	C54_Biased	0.906	0.906	0.000
100	C55_Biased	0.907	0.907	0.000
100	C56_Biased	0.908	0.908	0.000
100	C57_Biased	0.907	0.907	0.000
100	C58_Biased	0.907	0.907	0.000
100	C59_Biased	0.908	0.908	0.000
100	C65_Biased	0.906	0.906	0.000
100	C67_Biased	0.908	0.908	0.000
100	A122_Unbiased	0.909	0.909	0.000
100	A138_Unbiased	0.908	0.908	0.000
100	A139_Unbiased	0.907	0.907	0.000
100	B60_Unbiased	0.906	0.910	-0.004
100	B61_Unbiased	0.907	0.908	0.000
100	B69_Unbiased	0.906	0.906	0.000
100	B70_Unbiased	0.907	0.907	0.000
100	B71_Unbiased	0.906	0.906	0.000
100	B72_Unbiased	0.906	0.906	0.000
100	B73_Unbiased	0.905	0.905	0.000
100	B74_Unbiased	0.905	0.905	0.000
100	B77_Unbiased	0.906	0.906	0.000
100	B78_Unbiased	0.906	0.907	0.000
100	B79_Unbiased	0.906	0.906	0.000
100	B80_Unbiased	0.906	0.906	0.000
100	C70_Unbiased	0.905	0.904	0.000
100	C71_Unbiased	0.907	0.907	0.000
100	C72_Unbiased	0.907	0.907	0.000
100	C73_Unbiased	0.905	0.906	0.000
100	C75_Unbiased	0.907	0.907	0.000
100	C76_Unbiased	0.909	0.909	0.000
100	C79_Unbiased	0.908	0.908	0.000
	Max	0.909	0.910	0.000
	Average	0.907	0.907	0.000
	Min	0.903	0.903	-0.005
	Std Dev	0.001	0.001	0.001

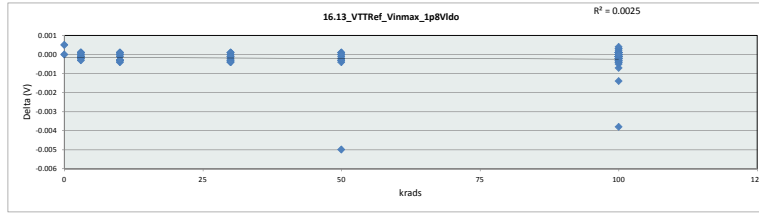


16.12_VTTRef_Vinmin_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.925	V				
Min Limit	0.875	V				
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.907	0.905	0.903	0.906	0.905	0.904
Average	0.907	0.907	0.907	0.907	0.907	0.907
Max	0.907	0.909	0.909	0.909	0.909	0.910
UL	0.925	0.925	0.925	0.925	0.925	0.925

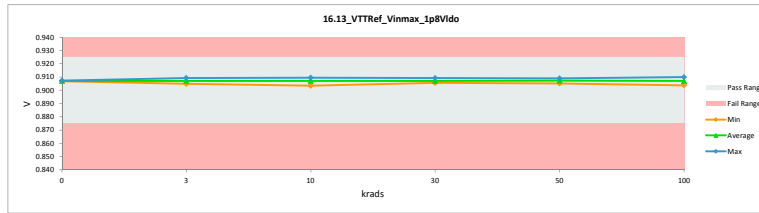


TID 100krad HDR Report
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16.13_VTTRef_Vinmax_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.925	0.925		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.907	0.907	0.001
3	A116_Biased	0.908	0.908	0.000
3	A117_Biased	0.906	0.906	0.000
3	B36_Biased	0.907	0.907	0.000
3	B37_Biased	0.907	0.908	0.000
3	C39_Unbiased	0.907	0.907	0.000
3	A118_Unbiased	0.909	0.909	0.000
3	A140_Unbiased	0.907	0.907	0.000
3	B38_Unbiased	0.908	0.908	0.000
3	B39_Unbiased	0.905	0.905	0.000
3	C40_Unbiased	0.906	0.906	0.000
10	A119_Biased	0.908	0.908	0.000
10	A120_Biased	0.909	0.910	0.000
10	B40_Biased	0.906	0.906	0.000
10	C41_Biased	0.908	0.908	0.000
10	C42_Biased	0.909	0.909	0.000
10	A121_Unbiased	0.906	0.906	0.000
10	A124_Unbiased	0.903	0.904	0.000
10	B41_Unbiased	0.909	0.909	0.000
10	C43_Unbiased	0.906	0.905	0.000
10	C44_Unbiased	0.906	0.906	0.000
30	A125_Biased	0.907	0.908	0.000
30	B42_Biased	0.906	0.906	0.000
30	B43_Biased	0.907	0.908	0.000
30	C45_Biased	0.909	0.909	0.000
30	C46_Biased	0.906	0.906	0.000
30	A127_Unbiased	0.907	0.908	0.000
30	B45_Unbiased	0.905	0.906	0.000
30	B47_Unbiased	0.909	0.909	0.000
30	C47_Unbiased	0.907	0.907	0.000
30	C50_Unbiased	0.906	0.906	0.000
50	A128_Biased	0.908	0.908	0.000
50	A129_Biased	0.909	0.909	0.000
50	B48_Biased	0.906	0.906	0.000
50	B49_Biased	0.907	0.908	0.000
50	C51_Biased	0.909	0.909	0.000
50	A130_Unbiased	0.905	0.905	0.000
50	A131_Unbiased	0.907	0.907	0.000
50	B50_Unbiased	0.907	0.907	0.000
50	B51_Unbiased	0.904	-0.005	0.000
50	C53_Unbiased	0.907	0.907	0.000
0	106_Corr	0.907	0.907	0.000
100	A132_Biased	0.907	0.907	-0.001
100	A134_Biased	0.905	0.907	-0.001
100	A135_Biased	0.907	0.907	0.000
100	B52_Biased	0.904	0.904	0.000
100	B54_Biased	0.906	0.906	0.000
100	B55_Biased	0.907	0.908	0.000
100	B56_Biased	0.908	0.909	0.000
100	B57_Biased	0.909	0.909	0.000
100	B59_Biased	0.905	0.905	0.000
100	B62_Biased	0.908	0.908	0.000
100	B63_Biased	0.907	0.907	0.000
100	B64_Biased	0.909	0.909	0.000
100	B66_Biased	0.907	0.907	0.000
100	B68_Biased	0.907	0.908	0.000
100	C54_Biased	0.906	0.906	0.000
100	C55_Biased	0.907	0.907	0.000
100	C56_Biased	0.908	0.908	0.000
100	C57_Biased	0.907	0.907	0.000
100	C58_Biased	0.907	0.907	0.000
100	C59_Biased	0.908	0.908	0.000
100	C65_Biased	0.906	0.906	0.000
100	C67_Biased	0.908	0.908	0.000
100	A122_Unbiased	0.909	0.909	0.000
100	A138_Unbiased	0.908	0.908	0.000
100	A139_Unbiased	0.907	0.907	0.000
100	B60_Unbiased	0.906	0.910	-0.004
100	B61_Unbiased	0.907	0.908	0.000
100	B69_Unbiased	0.906	0.906	0.000
100	B70_Unbiased	0.907	0.907	0.000
100	B71_Unbiased	0.906	0.906	0.000
100	B72_Unbiased	0.906	0.906	0.000
100	B73_Unbiased	0.905	0.905	0.000
100	B74_Unbiased	0.905	0.905	0.000
100	B77_Unbiased	0.906	0.906	0.000
100	B78_Unbiased	0.906	0.907	0.000
100	B79_Unbiased	0.906	0.906	0.000
100	B80_Unbiased	0.907	0.906	0.000
100	C70_Unbiased	0.905	0.905	0.000
100	C71_Unbiased	0.908	0.908	0.000
100	C72_Unbiased	0.907	0.907	0.000
100	C73_Unbiased	0.906	0.906	0.000
100	C75_Unbiased	0.907	0.907	0.000
100	C76_Unbiased	0.909	0.909	0.000
100	C79_Unbiased	0.908	0.908	0.000
	Max	0.909	0.910	0.001
	Average	0.907	0.907	0.000
	Min	0.903	0.904	-0.005
	Std Dev	0.001	0.001	0.001

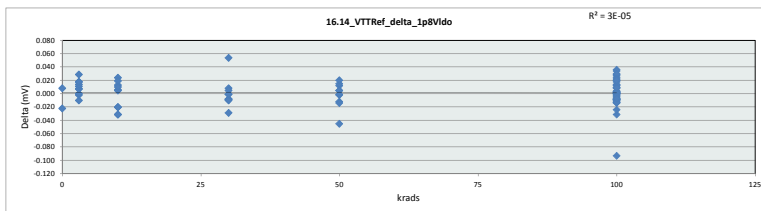


16.13_VTTRef_Vinmax_1p8VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.925	V				
Min Limit	0.875	V				
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.907	0.905	0.904	0.906	0.905	0.904
Average	0.907	0.907	0.907	0.907	0.907	0.907
Max	0.907	0.909	0.910	0.909	0.909	0.910
UL	0.925	0.925	0.925	0.925	0.925	0.925

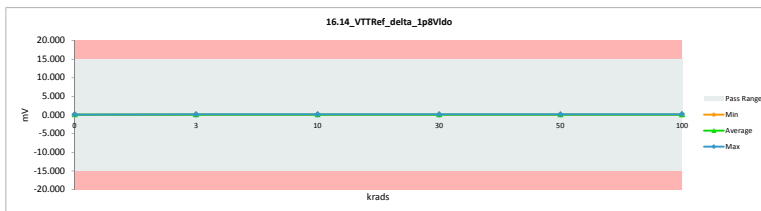


TID 100krad HDR Report
TPS7H3301-SP

16.14_VTTRef_delta_1p8Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.121	0.143	-0.022
3	A116_Biased	0.124	0.117	0.007
3	A117_Biased	0.143	0.125	0.018
3	B36_Biased	0.146	0.156	-0.010
3	B37_Biased	0.118	0.120	-0.002
3	C39_Biased	0.178	0.149	0.029
3	A118_Unbiased	0.136	0.129	0.007
3	A140_Unbiased	0.121	0.110	0.011
3	B38_Unbiased	0.143	0.129	0.014
3	B39_Unbiased	0.126	0.108	0.018
3	C40_Unbiased	0.122	0.122	0.000
10	A119_Biased	0.119	0.113	0.006
10	A120_Biased	0.114	0.145	-0.031
10	B40_Biased	0.123	0.118	0.005
10	C41_Biased	0.112	0.132	-0.020
10	C42_Biased	0.152	0.128	0.024
10	A121_Unbiased	0.133	0.120	0.013
10	A124_Unbiased	0.133	0.153	-0.020
10	B41_Unbiased	0.112	0.143	-0.031
10	C43_Unbiased	0.135	0.125	0.010
10	C44_Unbiased	0.144	0.125	0.019
30	A125_Biased	0.115	0.123	-0.008
30	B42_Biased	0.143	0.135	0.008
30	B43_Biased	0.111	0.120	-0.009
30	C45_Biased	0.106	0.114	-0.008
30	C46_Biased	0.171	0.117	0.054
30	A127_Unbiased	0.119	0.120	-0.001
30	B45_Unbiased	0.122	0.132	-0.010
30	B47_Unbiased	0.129	0.158	-0.029
30	C47_Unbiased	0.152	0.147	0.005
30	C50_Unbiased	0.127	0.128	-0.001
50	A128_Biased	0.119	0.121	-0.002
50	A129_Biased	0.125	0.120	0.005
50	B48_Biased	0.113	0.125	-0.012
50	B49_Biased	0.122	0.110	0.012
50	C51_Biased	0.129	0.114	0.015
50	A130_Unbiased	0.143	0.123	0.020
50	A131_Unbiased	0.124	0.138	-0.014
50	B50_Unbiased	0.132	0.177	-0.045
50	B51_Unbiased	0.124	0.119	0.005
50	C53_Unbiased	0.156	0.157	-0.001
0	106_Corr	0.129	0.121	0.008
100	A132_Biased	0.114	0.122	-0.008
100	A134_Biased	0.124	0.217	-0.093
100	A135_Biased	0.139	0.139	0.000
100	B52_Biased	0.131	0.129	0.002
100	B54_Biased	0.112	0.110	0.002
100	B55_Biased	0.131	0.128	0.003
100	B56_Biased	0.122	0.132	-0.010
100	B57_Biased	0.105	0.136	-0.031
100	B59_Biased	0.122	0.122	0.000
100	B62_Biased	0.119	0.119	0.000
100	B63_Biased	0.117	0.103	0.014
100	B64_Biased	0.126	0.106	0.020
100	B66_Biased	0.136	0.160	-0.024
100	B68_Biased	0.140	0.104	0.036
100	C54_Biased	0.137	0.108	0.029
100	C55_Biased	0.160	0.126	0.034
100	C56_Biased	0.124	0.125	-0.001
100	C57_Biased	0.127	0.100	0.027
100	C58_Biased	0.161	0.167	-0.006
100	C59_Biased	0.131	0.127	0.004
100	C65_Biased	0.132	0.118	0.014
100	C67_Biased	0.122	0.110	0.012
100	A122_Unbiased	0.104	0.115	-0.011
100	A138_Unbiased	0.112	0.115	-0.003
100	A139_Unbiased	0.119	0.132	-0.013
100	B60_Unbiased	0.151	0.121	0.030
100	B61_Unbiased	0.119	0.115	0.004
100	B69_Unbiased	0.151	0.129	0.022
100	B70_Unbiased	0.119	0.127	-0.008
100	B71_Unbiased	0.127	0.114	0.013
100	B72_Unbiased	0.129	0.138	-0.009
100	B73_Unbiased	0.133	0.124	0.009
100	B74_Unbiased	0.114	0.113	0.001
100	B77_Unbiased	0.142	0.134	0.008
100	B78_Unbiased	0.126	0.140	-0.014
100	B79_Unbiased	0.133	0.141	-0.008
100	B80_Unbiased	0.131	0.139	-0.008
100	C70_Unbiased	0.115	0.114	0.001
100	C71_Unbiased	0.114	0.127	-0.013
100	C72_Unbiased	0.155	0.146	0.009
100	C73_Unbiased	0.135	0.117	0.018
100	C75_Unbiased	0.123	0.127	-0.004
100	C76_Unbiased	0.150	0.157	-0.007
100	C79_Unbiased	0.133	0.113	0.020
	Max	0.178	0.217	0.054
	Average	0.130	0.128	0.001
	Min	0.104	0.100	-0.093
	Std Dev	0.015	0.018	0.020

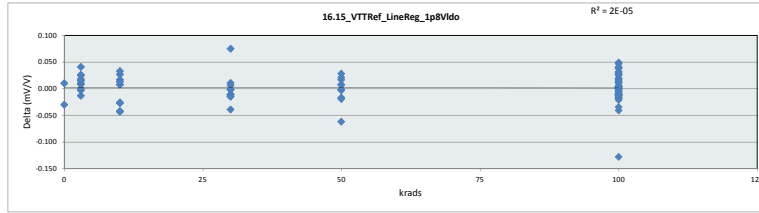


16.14_VTTRef_delta_1p8Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.121	0.108	0.113	0.114	0.110	0.100
Average	0.132	0.127	0.130	0.129	0.130	0.127
Max	0.143	0.156	0.153	0.158	0.177	0.217
UL	15.000	15.000	15.000	15.000	15.000	15.000

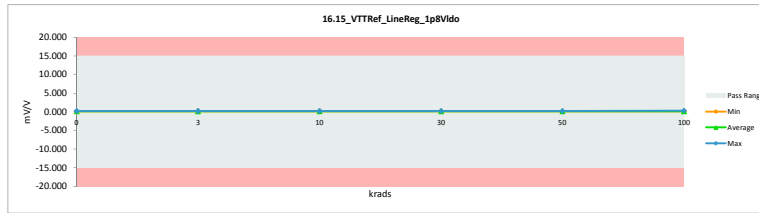


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16.15_VTTRef_LineReq_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.167	0.197	-0.030
3	A116_Biased	0.171	0.161	0.010
3	A117_Biased	0.198	0.172	0.026
3	B36_Biased	0.202	0.215	-0.013
3	B37_Biased	0.163	0.166	-0.003
3	C39_Biased	0.246	0.205	0.041
3	A118_Unbiased	0.186	0.178	0.008
3	A140_Unbiased	0.167	0.152	0.015
3	B38_Unbiased	0.196	0.178	0.018
3	B39_Unbiased	0.174	0.149	0.025
3	C40_Unbiased	0.169	0.169	0.000
10	A119_Biased	0.164	0.156	0.008
10	A120_Biased	0.197	0.192	-0.042
10	B40_Biased	0.170	0.162	0.008
10	C41_Biased	0.155	0.181	-0.026
10	C42_Biased	0.209	0.176	0.033
10	A121_Unbiased	0.183	0.166	0.017
10	A124_Unbiased	0.185	0.212	-0.027
10	B41_Unbiased	0.154	0.197	-0.043
10	C43_Unbiased	0.186	0.173	0.013
10	C44_Unbiased	0.199	0.172	0.027
30	A125_Biased	0.158	0.169	-0.011
30	B42_Biased	0.197	0.186	0.011
30	B43_Biased	0.152	0.166	-0.014
30	C45_Biased	0.146	0.157	-0.011
30	C46_Biased	0.236	0.161	0.075
30	A127_Unbiased	0.163	0.168	-0.002
30	B45_Unbiased	0.168	0.183	-0.015
30	B47_Unbiased	0.178	0.217	-0.039
30	C47_Unbiased	0.209	0.203	0.006
30	C50_Unbiased	0.175	0.177	-0.002
50	A128_Biased	0.164	0.167	-0.003
50	A129_Biased	0.172	0.165	0.007
50	B48_Biased	0.156	0.173	-0.017
50	B49_Biased	0.168	0.151	0.017
50	C51_Biased	0.178	0.157	0.021
50	A130_Unbiased	0.197	0.169	0.028
50	A131_Unbiased	0.171	0.190	-0.019
50	B50_Unbiased	0.182	0.244	-0.062
50	B51_Unbiased	0.172	0.164	0.008
50	C53_Unbiased	0.216	0.217	-0.001
0	106_Corr	0.177	0.167	0.010
100	A132_Biased	0.156	0.169	-0.013
100	A134_Biased	0.171	0.299	-0.128
100	A135_Biased	0.192	0.192	0.000
100	B52_Biased	0.181	0.179	0.002
100	B54_Biased	0.155	0.151	0.004
100	B55_Biased	0.181	0.176	0.005
100	B56_Biased	0.168	0.181	-0.013
100	B57_Biased	0.145	0.186	-0.041
100	B59_Biased	0.169	0.168	0.001
100	B62_Biased	0.164	0.164	0.000
100	B63_Biased	0.161	0.141	0.020
100	B64_Biased	0.174	0.146	0.028
100	B66_Biased	0.187	0.221	-0.034
100	B68_Biased	0.193	0.144	0.049
100	C54_Biased	0.189	0.149	0.040
100	C55_Biased	0.221	0.174	0.047
100	C56_Biased	0.171	0.173	-0.002
100	C57_Biased	0.175	0.137	0.038
100	C58_Biased	0.222	0.230	-0.008
100	C59_Biased	0.180	0.174	0.006
100	C65_Biased	0.195	0.132	0.063
100	C67_Biased	0.168	0.152	0.016
100	A122_Unbiased	0.143	0.159	-0.016
100	A138_Unbiased	0.155	0.159	-0.004
100	A139_Unbiased	0.165	0.182	-0.017
100	B60_Unbiased	0.208	0.167	0.041
100	B61_Unbiased	0.164	0.159	0.005
100	B69_Unbiased	0.208	0.177	0.031
100	B70_Unbiased	0.164	0.175	-0.011
100	B71_Unbiased	0.175	0.157	0.018
100	B72_Unbiased	0.178	0.190	-0.012
100	B73_Unbiased	0.184	0.171	0.013
100	B74_Unbiased	0.158	0.156	0.002
100	B77_Unbiased	0.195	0.184	0.011
100	B78_Unbiased	0.173	0.194	-0.021
100	B79_Unbiased	0.183	0.194	-0.011
100	B80_Unbiased	0.181	0.192	-0.011
100	C70_Unbiased	0.159	0.158	0.001
100	C71_Unbiased	0.157	-0.015	0.172
100	C72_Unbiased	0.213	0.201	0.012
100	C73_Unbiased	0.186	0.161	0.025
100	C75_Unbiased	0.170	0.175	-0.005
100	C76_Unbiased	0.207	0.216	-0.009
100	C79_Unbiased	0.183	0.156	0.027
	Max	0.246	0.299	0.075
	Average	0.179	0.177	0.002
	Min	0.143	0.137	-0.128
	Std Dev	0.020	0.025	0.027

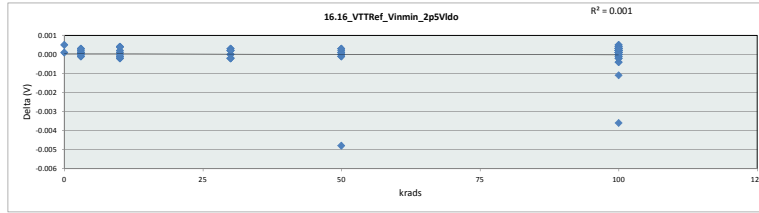


16.15_VTTRef_LineReq_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV/V				
Min Limit	-15	mV/V				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.167	0.149	0.156	0.157	0.151	0.137
Average	0.182	0.175	0.179	0.178	0.180	0.176
Max	0.197	0.215	0.212	0.217	0.244	0.299
UL	15.000	15.000	15.000	15.000	15.000	15.000

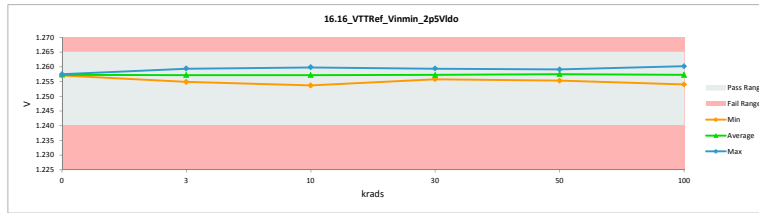


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16.16_VTTRef_Vinmin_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.265	1.265		
Min Limit	1.24	1.24		
krads	Serial #	id_HDR_Lot1545Ad_HDR_Lot1545A	Delta	
0	374_Corr	1.258	1.257	0.000
3	A116_Biased	1.258	1.258	0.000
3	A117_Biased	1.257	1.257	0.000
3	B36_Biased	1.257	1.257	0.000
3	B37_Biased	1.258	1.258	0.000
3	C39_Biased	1.257	1.257	0.000
3	A118_Unbiased	1.259	1.259	0.000
3	A140_Unbiased	1.258	1.258	0.000
3	B38_Unbiased	1.258	1.258	0.000
3	B39_Unbiased	1.255	1.255	0.000
3	C40_Unbiased	1.256	1.256	0.000
10	A119_Biased	1.258	1.258	0.000
10	A120_Biased	1.240	1.240	0.000
10	B40_Biased	1.256	1.257	0.000
10	C41_Biased	1.258	1.258	0.000
10	C42_Unbiased	1.260	1.260	0.000
10	A121_Unbiased	1.256	1.256	0.000
10	A124_Unbiased	1.254	1.254	0.000
10	B41_Unbiased	1.259	1.259	0.000
10	C43_Unbiased	1.256	1.256	0.000
10	C44_Unbiased	1.256	1.256	0.000
30	A125_Biased	1.258	1.258	0.000
30	B42_Biased	1.256	1.256	0.000
30	B43_Biased	1.258	1.258	0.000
30	C45_Biased	1.259	1.259	0.000
30	C46_Biased	1.256	1.256	0.000
30	A127_Unbiased	1.258	1.258	0.000
30	B45_Unbiased	1.256	1.256	0.000
30	B47_Unbiased	1.260	1.259	0.000
30	C47_Unbiased	1.257	1.257	0.000
30	C50_Unbiased	1.256	1.256	0.000
50	A128_Biased	1.258	1.258	0.000
50	A129_Biased	1.259	1.259	0.000
50	B48_Biased	1.256	1.256	0.000
50	B49_Biased	1.258	1.258	0.000
50	C51_Biased	1.259	1.259	0.000
50	A130_Unbiased	1.255	1.255	0.000
50	A131_Unbiased	1.257	1.257	0.000
50	B50_Unbiased	1.257	1.257	0.000
50	B51_Unbiased	1.254	1.259	-0.005
50	C53_Unbiased	1.257	1.257	0.000
0	106_Corr	1.258	1.258	0.000
100	A132_Biased	1.257	1.258	0.000
100	A134_Biased	1.256	1.257	-0.001
100	A135_Biased	1.257	1.257	0.000
100	B52_Biased	1.254	1.254	0.000
100	B54_Biased	1.257	1.256	0.000
100	B55_Biased	1.257	1.258	0.000
100	B56_Biased	1.259	1.259	0.000
100	B57_Biased	1.259	1.259	0.000
100	B59_Biased	1.256	1.256	0.000
100	B62_Biased	1.258	1.258	0.000
100	B63_Biased	1.258	1.258	0.000
100	B64_Biased	1.260	1.259	0.000
100	B66_Biased	1.258	1.257	0.000
100	B68_Biased	1.257	1.258	0.000
100	C54_Biased	1.256	1.256	0.000
100	C55_Biased	1.257	1.257	0.000
100	C56_Biased	1.258	1.258	0.000
100	C57_Biased	1.258	1.258	0.000
100	C58_Biased	1.257	1.257	0.000
100	C59_Biased	1.259	1.258	0.000
100	C65_Biased	1.257	1.257	0.000
100	C67_Biased	1.258	1.258	0.000
100	A122_Unbiased	1.259	1.259	0.000
100	A138_Unbiased	1.258	1.258	0.000
100	A139_Unbiased	1.257	1.257	0.000
100	B60_Unbiased	1.257	1.240	-0.004
100	B61_Unbiased	1.258	1.258	0.000
100	B69_Unbiased	1.257	1.256	0.000
100	B70_Unbiased	1.258	1.258	0.000
100	B71_Unbiased	1.257	1.256	0.000
100	B72_Unbiased	1.257	1.257	0.000
100	B73_Unbiased	1.256	1.255	0.000
100	B74_Unbiased	1.256	1.255	0.000
100	B77_Unbiased	1.257	1.257	0.000
100	B78_Unbiased	1.257	1.257	0.000
100	B79_Unbiased	1.257	1.257	0.000
100	B80_Unbiased	1.257	1.257	0.000
100	C70_Unbiased	1.255	1.255	0.000
100	C71_Unbiased	1.258	1.258	0.000
100	C72_Unbiased	1.257	1.257	0.000
100	C73_Unbiased	1.256	1.256	0.000
100	C75_Unbiased	1.258	1.258	0.000
100	C76_Unbiased	1.260	1.260	0.000
100	C79_Unbiased	1.258	1.258	0.000
	Max	1.260	1.260	0.000
	Average	1.257	1.257	0.000
	Min	1.254	1.254	-0.005
	Std Dev	0.001	0.001	0.001

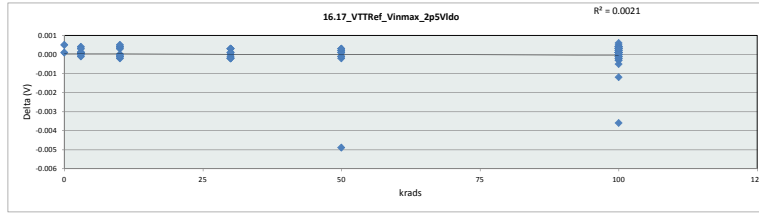


16.16_VTTRef_Vinmin_2p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.265	V				
Min Limit	1.24	V				
krads	0	3	10	30	50	100
LL	1.240	1.240	1.240	1.240	1.240	1.240
Min	1.257	1.255	1.254	1.256	1.255	1.254
Average	1.257	1.257	1.257	1.257	1.259	1.257
Max	1.258	1.259	1.260	1.259	1.259	1.260
UL	1.265	1.265	1.265	1.265	1.265	1.265

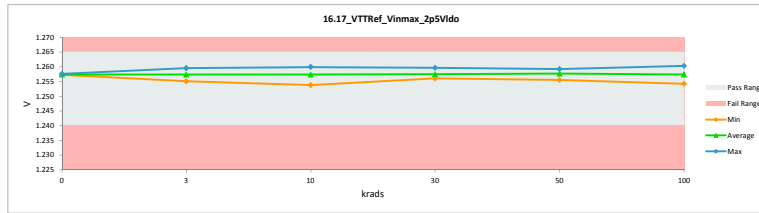


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16.17_VTTRef_Vinmax_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.265	1.265		
Min Limit	1.24	1.24		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.258	1.257	0.000
3	A116_Biased	1.258	1.258	0.000
3	A117_Biased	1.257	1.257	0.000
3	B36_Biased	1.257	1.257	0.000
3	B37_Biased	1.258	1.258	0.000
3	C39_Biased	1.257	1.257	0.000
3	A118_Unbiased	1.260	1.260	0.000
3	A140_Unbiased	1.258	1.258	0.000
3	B38_Unbiased	1.259	1.258	0.000
3	B39_Unbiased	1.255	1.255	0.000
3	C40_Unbiased	1.256	1.256	0.000
10	A119_Biased	1.258	1.258	0.000
10	A120_Biased	1.240	1.240	0.000
10	B40_Biased	1.256	1.257	0.000
10	C41_Biased	1.258	1.258	0.000
10	C42_Unbiased	1.260	1.260	0.000
10	A121_Unbiased	1.256	1.256	0.000
10	A124_Unbiased	1.254	1.254	0.000
10	B41_Unbiased	1.259	1.259	0.000
10	C43_Unbiased	1.256	1.256	0.000
10	C44_Unbiased	1.257	1.256	0.000
30	A125_Biased	1.258	1.258	0.000
30	B42_Biased	1.256	1.257	0.000
30	B43_Biased	1.258	1.258	0.000
30	C45_Biased	1.260	1.259	0.000
30	C46_Biased	1.256	1.256	0.000
30	A127_Unbiased	1.258	1.258	0.000
30	B45_Unbiased	1.256	1.256	0.000
30	B47_Unbiased	1.260	1.260	0.000
30	C47_Unbiased	1.257	1.257	0.000
30	C50_Unbiased	1.257	1.256	0.000
50	A128_Biased	1.259	1.258	0.000
50	A129_Biased	1.259	1.259	0.000
50	B48_Biased	1.256	1.256	0.000
50	B49_Biased	1.258	1.258	0.000
50	C51_Biased	1.259	1.259	0.000
50	A130_Unbiased	1.255	1.255	0.000
50	A131_Unbiased	1.257	1.257	0.000
50	B50_Unbiased	1.257	1.257	0.000
50	B51_Unbiased	1.254	1.259	-0.005
50	C53_Unbiased	1.257	1.257	0.000
0	106_Corr	1.258	1.258	0.000
100	A132_Biased	1.257	1.258	0.000
100	A134_Biased	1.256	1.257	-0.001
100	A135_Biased	1.257	1.258	0.000
100	B52_Biased	1.254	1.254	0.000
100	B54_Biased	1.257	1.257	0.000
100	B55_Biased	1.258	1.258	0.000
100	B56_Biased	1.259	1.259	0.000
100	B57_Biased	1.259	1.259	0.000
100	B59_Biased	1.256	1.256	0.000
100	B62_Biased	1.258	1.258	0.000
100	B63_Biased	1.258	1.258	0.000
100	B64_Biased	1.260	1.259	0.000
100	B66_Biased	1.258	1.257	0.000
100	B68_Biased	1.258	1.258	0.000
100	C54_Biased	1.257	1.256	0.000
100	C55_Biased	1.258	1.258	0.000
100	C56_Biased	1.259	1.258	0.000
100	C57_Biased	1.258	1.258	0.000
100	C58_Biased	1.257	1.257	0.000
100	C59_Biased	1.259	1.259	0.000
100	C65_Biased	1.257	1.257	0.000
100	C67_Biased	1.258	1.258	0.000
100	A122_Unbiased	1.259	1.259	0.000
100	A138_Unbiased	1.258	1.258	0.000
100	A139_Unbiased	1.257	1.257	0.000
100	B60_Unbiased	1.257	1.240	-0.004
100	B61_Unbiased	1.258	1.258	0.000
100	B69_Unbiased	1.257	1.256	0.000
100	B70_Unbiased	1.258	1.258	0.000
100	B71_Unbiased	1.257	1.256	0.000
100	B72_Unbiased	1.257	1.257	0.000
100	B73_Unbiased	1.256	1.255	0.000
100	B74_Unbiased	1.256	1.255	0.000
100	B77_Unbiased	1.257	1.257	0.000
100	B78_Unbiased	1.257	1.257	0.000
100	B79_Unbiased	1.257	1.257	0.000
100	B80_Unbiased	1.257	1.257	0.001
100	C70_Unbiased	1.255	1.255	0.000
100	C71_Unbiased	1.258	1.258	0.000
100	C72_Unbiased	1.257	1.257	0.000
100	C73_Unbiased	1.256	1.256	0.000
100	C75_Unbiased	1.258	1.258	0.000
100	C76_Unbiased	1.260	1.260	0.000
100	C79_Unbiased	1.258	1.258	0.000
Max		1.260	1.260	0.001
Average		1.257	1.257	0.000
Min		1.254	1.254	-0.005
Std Dev		0.001	0.001	0.001

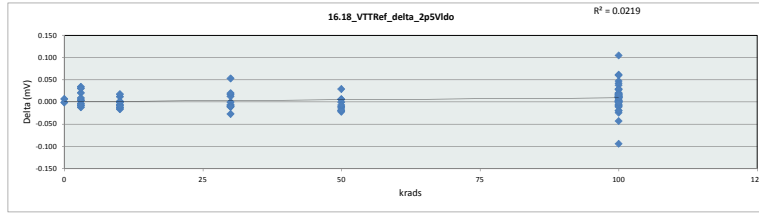


16.17_VTTRef_Vinmax_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.265 V					
Min Limit	1.24 V					
krads	0	3	10	30	50	100
LL	1.240	1.240	1.240	1.240	1.240	1.240
Min	1.257	1.255	1.254	1.256	1.256	1.254
Average	1.257	1.257	1.257	1.257	1.259	1.257
Max	1.258	1.260	1.260	1.260	1.259	1.260
UL	1.265	1.265	1.265	1.265	1.265	1.265

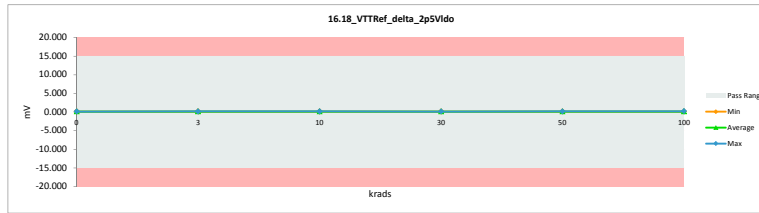


TID 100krad HDR Report
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16.18_VTTRef_delta_2p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.143	0.136	0.007
3	A116_Biased	0.106	0.114	-0.008
3	A117_Biased	0.144	0.147	-0.003
3	B36_Biased	0.142	0.138	0.004
3	B37_Biased	0.120	0.132	-0.012
3	C39_Biased	0.171	0.137	0.034
3	A118_Unbiased	0.138	0.134	0.004
3	A140_Unbiased	0.143	0.122	0.021
3	B38_Unbiased	0.145	0.114	0.031
3	B39_Unbiased	0.123	0.130	-0.007
3	C40_Unbiased	0.134	0.125	0.009
10	A119_Biased	0.107	0.120	-0.013
10	A120_Biased	0.141	0.149	0.012
10	B40_Biased	0.124	0.123	0.001
10	C41_Biased	0.105	0.111	-0.006
10	C42_Biased	0.189	0.171	0.018
10	A121_Unbiased	0.126	0.142	-0.016
10	A124_Unbiased	0.115	0.116	-0.001
10	B41_Unbiased	0.123	0.135	-0.012
10	C43_Unbiased	0.132	0.140	-0.008
10	C44_Unbiased	0.116	0.115	0.001
30	A125_Biased	0.126	0.109	0.017
30	B42_Biased	0.117	0.144	-0.027
30	B43_Biased	0.128	0.115	0.013
30	C45_Biased	0.128	0.134	-0.006
30	C46_Biased	0.129	0.129	0.000
30	A127_Unbiased	0.117	0.125	-0.008
30	B45_Unbiased	0.127	0.138	-0.011
30	B47_Unbiased	0.172	0.119	0.053
30	C47_Unbiased	0.144	0.124	0.020
30	C50_Unbiased	0.125	0.135	-0.010
50	A128_Biased	0.132	0.126	0.006
50	A129_Biased	0.124	0.134	-0.010
50	B48_Biased	0.120	0.133	-0.013
50	B49_Biased	0.127	0.121	0.006
50	C51_Biased	0.118	0.118	0.000
50	A130_Unbiased	0.117	0.139	-0.022
50	A131_Unbiased	0.136	0.155	-0.019
50	B50_Unbiased	0.131	0.149	-0.018
50	B51_Unbiased	0.150	0.121	0.029
50	C53_Unbiased	0.135	0.142	-0.007
0	106_Corr	0.122	0.123	-0.001
100	A132_Biased	0.134	0.131	0.003
100	A134_Biased	0.126	0.220	-0.094
100	A135_Biased	0.131	0.127	0.004
100	B52_Biased	0.164	0.135	0.029
100	B54_Biased	0.104	0.147	-0.043
100	B55_Biased	0.128	0.121	0.007
100	B56_Biased	0.129	0.119	0.010
100	B57_Biased	0.106	0.115	-0.009
100	B59_Biased	0.116	0.122	-0.006
100	B62_Biased	0.119	0.128	-0.009
100	B63_Biased	0.157	0.110	0.047
100	B64_Biased	0.174	0.112	0.062
100	B66_Biased	0.144	0.129	0.015
100	B68_Biased	0.140	0.130	0.010
100	C54_Biased	0.139	0.125	0.014
100	C55_Biased	0.123	0.113	0.010
100	C56_Biased	0.134	0.122	0.012
100	C57_Biased	0.120	0.107	0.013
100	C58_Biased	0.174	0.114	0.060
100	C59_Biased	0.125	0.123	0.002
100	C65_Biased	0.138	0.126	0.012
100	C67_Biased	0.111	0.112	-0.001
100	A122_Unbiased	0.112	0.111	0.001
100	A138_Unbiased	0.113	0.120	-0.007
100	A139_Unbiased	0.135	0.159	-0.024
100	B60_Unbiased	0.120	0.119	0.001
100	B61_Unbiased	0.137	0.109	0.028
100	B69_Unbiased	0.120	0.131	-0.011
100	B70_Unbiased	0.137	0.118	0.019
100	B71_Unbiased	0.128	0.147	-0.019
100	B72_Unbiased	0.162	0.120	0.042
100	B73_Unbiased	0.147	0.109	0.038
100	B74_Unbiased	0.130	0.109	0.021
100	B77_Unbiased	0.142	0.126	0.016
100	B78_Unbiased	0.140	0.128	0.012
100	B79_Unbiased	0.126	0.123	0.003
100	B80_Unbiased	0.169	0.140	0.029
100	C70_Unbiased	0.128	0.130	-0.002
100	C71_Unbiased	0.117	0.107	0.010
100	C72_Unbiased	0.138	0.158	-0.020
100	C73_Unbiased	0.137	0.120	0.017
100	C75_Unbiased	0.131	0.111	0.020
100	C76_Unbiased	0.234	0.129	0.105
100	C79_Unbiased	0.134	0.134	0.000
	Max	0.234	0.220	0.105
	Average	0.134	0.128	0.006
	Min	0.104	0.107	-0.094
	Std Dev	0.020	0.017	0.024

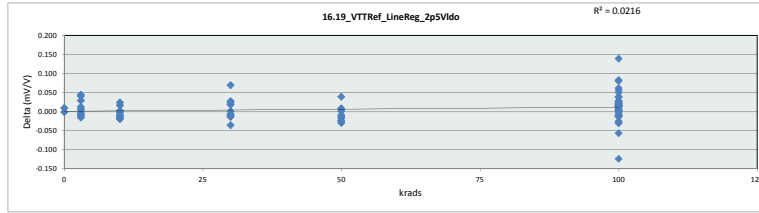


16.18_VTTRef_delta_2p5Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.123	0.114	0.111	0.109	0.118	0.107
Average	0.130	0.129	0.132	0.127	0.134	0.126
Max	0.136	0.147	0.171	0.144	0.155	0.220
UL	15.000	15.000	15.000	15.000	15.000	15.000

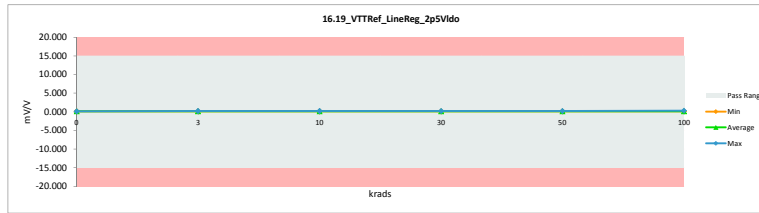


TID 100krad HDR Report
TPS7H3301-SP

16.19_VTTRef_LineReq_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.190	0.180	0.010
3	A116_Biased	0.141	0.152	-0.011
3	A117_Biased	0.191	0.195	-0.004
3	B36_Biased	0.188	0.183	0.005
3	B37_Biased	0.159	0.175	-0.016
3	C39_Biased	0.226	0.182	0.044
3	A118_Unbiased	0.182	0.177	0.005
3	A140_Unbiased	0.190	0.161	0.029
3	B38_Unbiased	0.192	0.151	0.041
3	B39_Unbiased	0.163	0.172	-0.009
3	C40_Unbiased	0.178	0.166	0.012
10	A119_Biased	0.142	0.158	-0.016
10	A120_Biased	0.213	0.197	0.016
10	B40_Biased	0.164	0.163	0.001
10	C41_Biased	0.139	0.148	-0.009
10	C42_Biased	0.250	0.226	0.024
10	A121_Unbiased	0.168	0.188	-0.020
10	A124_Unbiased	0.153	0.155	-0.002
10	B41_Unbiased	0.163	0.178	-0.015
10	C43_Unbiased	0.175	0.186	-0.011
10	C44_Unbiased	0.154	0.153	0.001
30	A125_Biased	0.167	0.144	0.023
30	B42_Biased	0.155	0.191	-0.036
30	B43_Biased	0.170	0.152	0.018
30	C45_Biased	0.170	0.177	-0.007
30	C46_Biased	0.171	0.171	0.000
30	A127_Unbiased	0.166	0.165	-0.009
30	B45_Unbiased	0.169	0.183	-0.014
30	B47_Unbiased	0.227	0.158	0.069
30	C47_Unbiased	0.191	0.164	0.027
30	C50_Unbiased	0.166	0.179	-0.013
50	A128_Biased	0.175	0.167	0.008
50	A129_Biased	0.164	0.177	-0.013
50	B48_Biased	0.159	0.176	-0.017
50	B49_Biased	0.168	0.160	0.008
50	C51_Biased	0.157	0.156	0.001
50	A130_Unbiased	0.155	0.185	-0.030
50	A131_Unbiased	0.181	0.205	-0.024
50	B50_Unbiased	0.173	0.197	-0.024
50	B51_Unbiased	0.199	0.160	0.039
50	C53_Biased	0.179	0.188	-0.009
0	106_Corr	0.162	0.163	-0.001
100	A132_Biased	0.177	0.174	0.003
100	A134_Biased	0.167	0.291	-0.124
100	A135_Biased	0.174	0.168	0.006
100	B52_Biased	0.218	0.179	0.039
100	B54_Biased	0.138	0.195	-0.057
100	B55_Biased	0.170	0.160	0.010
100	B56_Biased	0.171	0.157	0.014
100	B57_Biased	0.140	0.152	-0.012
100	B59_Biased	0.154	0.162	-0.008
100	B62_Biased	0.158	0.169	-0.011
100	B63_Biased	0.208	0.146	0.062
100	B64_Biased	0.231	0.148	0.083
100	B66_Biased	0.191	0.171	0.020
100	B68_Biased	0.186	0.173	0.013
100	C54_Biased	0.184	0.165	0.019
100	C55_Biased	0.163	0.150	0.013
100	C56_Biased	0.178	0.162	0.016
100	C57_Biased	0.159	0.142	0.017
100	C58_Biased	0.231	0.151	0.080
100	C59_Biased	0.165	0.164	0.001
100	C65_Biased	0.183	0.168	0.015
100	C67_Biased	0.147	0.148	-0.001
100	A122_Unbiased	0.148	0.147	0.001
100	A138_Unbiased	0.149	0.159	-0.010
100	A139_Unbiased	0.179	0.210	-0.031
100	B60_Unbiased	0.159	0.158	0.001
100	B61_Unbiased	0.182	0.144	0.038
100	B69_Unbiased	0.159	0.173	-0.014
100	B70_Unbiased	0.182	0.157	0.025
100	B71_Unbiased	0.169	0.195	-0.026
100	B72_Unbiased	0.215	0.159	0.056
100	B73_Unbiased	0.195	0.145	0.050
100	B74_Unbiased	0.173	0.145	0.028
100	B77_Unbiased	0.188	0.167	0.021
100	B78_Unbiased	0.185	0.170	0.015
100	B79_Unbiased	0.168	0.163	0.005
100	B80_Unbiased	0.224	0.186	0.038
100	C70_Unbiased	0.170	0.172	-0.002
100	C71_Unbiased	0.155	0.142	0.013
100	C72_Unbiased	0.183	0.210	-0.027
100	C73_Unbiased	0.182	0.159	0.023
100	C75_Unbiased	0.174	0.147	0.027
100	C76_Unbiased	0.309	0.170	0.139
100	C79_Unbiased	0.178	0.178	0.000
	Max	0.309	0.291	0.139
	Average	0.177	0.170	0.008
	Min	0.138	0.142	-0.124
	Std Dev	0.027	0.022	0.032

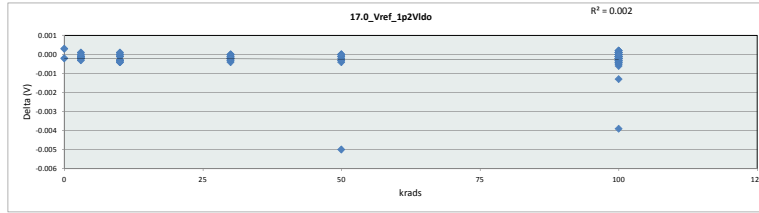


16.19_VTTRef_LineReq_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV/V				
Min Limit	-15	mV/V				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.163	0.151	0.148	0.144	0.156	0.142
Average	0.172	0.171	0.175	0.168	0.177	0.167
Max	0.180	0.195	0.226	0.191	0.205	0.291
UL	15.000	15.000	15.000	15.000	15.000	15.000

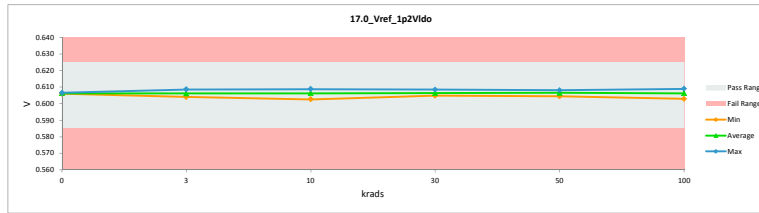


TID 100krad HDR Report
TPS7H3301-SP

17_0_Vref_1p2Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.606	0.606	0.000
3	A116_Biased	0.607	0.607	0.000
3	A117_Biased	0.605	0.606	0.000
3	B36_Biased	0.606	0.606	0.000
3	B37_Biased	0.607	0.607	0.000
3	C39_Biased	0.606	0.606	0.000
3	A118_Unbiased	0.608	0.609	0.000
3	A140_Unbiased	0.606	0.606	0.000
3	B38_Unbiased	0.607	0.607	0.000
3	B39_Unbiased	0.604	0.604	0.000
3	C40_Unbiased	0.605	0.605	0.000
10	A119_Biased	0.607	0.607	0.000
10	A120_Biased	0.609	0.609	0.000
10	B40_Biased	0.605	0.605	0.000
10	C41_Biased	0.607	0.607	0.000
10	C42_Biased	0.609	0.609	0.000
10	A121_Unbiased	0.605	0.605	0.000
10	A124_Unbiased	0.602	0.603	0.000
10	B41_Unbiased	0.608	0.609	0.000
10	C43_Unbiased	0.605	0.605	0.000
10	C44_Unbiased	0.605	0.605	0.000
30	A125_Biased	0.607	0.607	0.000
30	B42_Biased	0.605	0.605	0.000
30	B43_Biased	0.607	0.607	0.000
30	C45_Biased	0.608	0.608	0.000
30	C46_Biased	0.605	0.605	0.000
30	A127_Unbiased	0.606	0.607	0.000
30	B45_Unbiased	0.604	0.605	0.000
30	B47_Unbiased	0.608	0.609	0.000
30	C47_Unbiased	0.606	0.606	0.000
30	C50_Unbiased	0.605	0.605	0.000
50	A128_Biased	0.607	0.607	0.000
50	A129_Biased	0.608	0.608	0.000
50	B48_Biased	0.605	0.605	0.000
50	B49_Biased	0.607	0.607	0.000
50	C51_Biased	0.608	0.608	0.000
50	A130_Unbiased	0.604	0.604	0.000
50	A131_Unbiased	0.606	0.606	0.000
50	B50_Unbiased	0.606	0.606	0.000
50	B51_Unbiased	0.603	-0.005	0.000
50	C53_Unbiased	0.606	0.606	0.000
0	106_Corr	0.606	0.607	0.000
100	A132_Biased	0.606	0.607	-0.001
100	A134_Biased	0.604	0.606	-0.001
100	A135_Biased	0.606	0.606	0.000
100	B52_Biased	0.603	0.603	0.000
100	B54_Biased	0.605	0.605	0.000
100	B55_Biased	0.606	0.607	-0.001
100	B56_Biased	0.607	0.608	0.000
100	B57_Biased	0.608	0.608	-0.001
100	B59_Biased	0.604	0.605	0.000
100	B62_Biased	0.607	0.607	0.000
100	B63_Biased	0.606	0.606	0.000
100	B64_Biased	0.609	0.608	0.000
100	B66_Biased	0.606	0.606	0.000
100	B68_Biased	0.606	0.607	0.000
100	C54_Biased	0.605	0.605	0.000
100	C55_Biased	0.606	0.606	0.000
100	C56_Biased	0.607	0.608	0.000
100	C57_Biased	0.606	0.607	0.000
100	C58_Biased	0.606	0.606	0.000
100	C59_Biased	0.607	0.608	0.000
100	C65_Biased	0.605	0.605	0.000
100	C67_Biased	0.607	0.607	0.000
100	A122_Unbiased	0.608	0.608	0.000
100	A138_Unbiased	0.607	0.607	0.000
100	A139_Unbiased	0.606	0.606	0.000
100	B60_Unbiased	0.605	0.609	-0.004
100	B61_Unbiased	0.606	0.607	0.000
100	B69_Unbiased	0.605	0.605	0.000
100	B70_Unbiased	0.606	0.606	0.000
100	B71_Unbiased	0.605	0.605	0.000
100	B72_Unbiased	0.605	0.605	0.000
100	B73_Unbiased	0.604	0.604	0.000
100	B74_Unbiased	0.604	0.604	0.000
100	B77_Unbiased	0.605	0.605	0.000
100	B78_Unbiased	0.606	0.606	0.000
100	B79_Unbiased	0.605	0.605	0.000
100	B80_Unbiased	0.606	0.605	0.000
100	C70_Unbiased	0.604	0.604	0.000
100	C71_Unbiased	0.607	0.607	0.000
100	C72_Unbiased	0.606	0.606	0.000
100	C73_Unbiased	0.605	0.605	0.000
100	C75_Unbiased	0.606	0.607	0.000
100	C76_Unbiased	0.609	0.609	0.000
100	C78_Unbiased	0.607	0.607	0.000
	Max	0.609	0.609	0.000
	Average	0.606	0.606	0.000
	Min	0.602	0.603	-0.005
	Std Dev	0.001	0.001	0.001

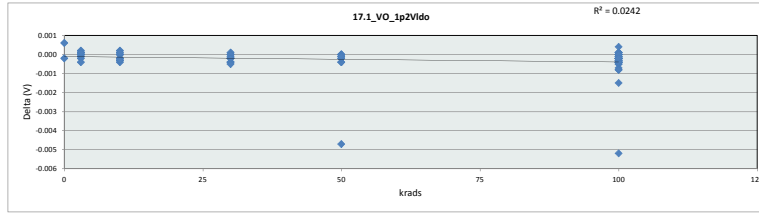


17_0_Vref_1p2Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.606	0.604	0.603	0.605	0.604	0.603
Average	0.606	0.606	0.606	0.606	0.607	0.606
Max	0.607	0.609	0.609	0.609	0.608	0.609
UL	0.625	0.625	0.625	0.625	0.625	0.625

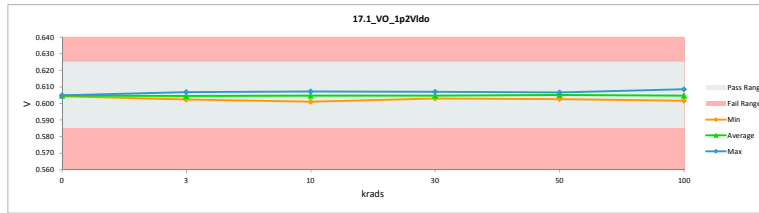


TID 100krad HDR Report
TPS7H3301-SP

17.1_VO_ip2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.605	0.604	0.001
3	A116_Biased	0.605	0.605	0.000
3	A117_Biased	0.604	0.604	0.000
3	B36_Biased	0.604	0.604	0.000
3	B37_Biased	0.605	0.605	0.000
3	C39_Biased	0.604	0.604	0.000
3	A118_Unbiased	0.607	0.607	0.000
3	A140_Unbiased	0.605	0.605	0.000
3	B38_Unbiased	0.606	0.606	0.000
3	B39_Unbiased	0.602	0.602	0.000
3	C40_Unbiased	0.604	0.603	0.000
10	A119_Biased	0.605	0.605	0.000
10	A120_Biased	0.607	0.607	0.000
10	B40_Biased	0.604	0.604	0.000
10	C41_Biased	0.605	0.605	0.000
10	C42_Biased	0.607	0.607	0.000
10	A121_Unbiased	0.604	0.604	0.000
10	A124_Unbiased	0.601	0.601	0.000
10	B41_Unbiased	0.607	0.607	0.000
10	C43_Unbiased	0.603	0.603	0.000
10	C44_Unbiased	0.604	0.604	0.000
30	A125_Biased	0.605	0.605	0.000
30	B42_Biased	0.603	0.603	0.000
30	B43_Biased	0.605	0.605	0.000
30	C45_Biased	0.607	0.607	0.000
30	C46_Biased	0.604	0.604	0.000
30	A127_Unbiased	0.605	0.605	0.000
30	B45_Unbiased	0.603	0.603	-0.001
30	B47_Unbiased	0.607	0.607	0.000
30	C47_Unbiased	0.604	0.604	0.000
30	C50_Unbiased	0.604	0.605	0.000
50	A128_Biased	0.606	0.606	0.000
50	A129_Biased	0.607	0.607	0.000
50	B48_Biased	0.603	0.604	0.000
50	B49_Biased	0.605	0.606	0.000
50	C51_Biased	0.607	0.607	0.000
50	A130_Unbiased	0.603	0.603	0.000
50	A131_Unbiased	0.604	0.604	0.000
50	B50_Unbiased	0.605	0.605	0.000
50	B51_Unbiased	0.601	-0.005	0.000
50	C53_Unbiased	0.605	0.605	0.000
0	106_Corr	0.605	0.605	0.000
100	A132_Biased	0.605	0.606	-0.001
100	A134_Biased	0.602	0.604	-0.002
100	A135_Biased	0.604	0.604	0.000
100	B52_Biased	0.601	0.602	0.000
100	B54_Biased	0.604	0.604	0.000
100	B55_Biased	0.604	0.605	-0.001
100	B56_Biased	0.606	0.607	-0.001
100	B57_Biased	0.607	0.607	0.000
100	B59_Biased	0.602	0.603	-0.001
100	B62_Biased	0.605	0.606	0.000
100	B63_Biased	0.605	0.605	0.000
100	B64_Biased	0.607	0.607	0.000
100	B66_Biased	0.605	0.605	0.000
100	B68_Biased	0.605	0.605	0.000
100	C54_Biased	0.604	0.603	0.000
100	C55_Biased	0.604	0.604	0.000
100	C56_Biased	0.606	0.606	0.000
100	C57_Biased	0.605	0.605	0.000
100	C58_Biased	0.604	0.604	0.000
100	C59_Biased	0.606	0.606	0.000
100	C65_Biased	0.604	0.604	0.000
100	C67_Biased	0.606	0.606	0.000
100	A122_Unbiased	0.606	0.606	0.000
100	A138_Unbiased	0.605	0.606	0.000
100	A139_Unbiased	0.604	0.604	0.000
100	B60_Unbiased	0.604	0.604	-0.005
100	B61_Unbiased	0.605	0.606	-0.001
100	B69_Unbiased	0.604	0.604	0.000
100	B70_Unbiased	0.605	0.605	0.000
100	B71_Unbiased	0.603	0.603	0.000
100	B72_Unbiased	0.604	0.605	0.000
100	B73_Unbiased	0.603	0.603	0.000
100	B74_Unbiased	0.602	0.602	0.000
100	B77_Unbiased	0.604	0.604	0.000
100	B78_Unbiased	0.604	0.604	0.000
100	B79_Unbiased	0.604	0.604	0.000
100	B80_Unbiased	0.604	0.604	0.000
100	C70_Unbiased	0.602	0.602	0.000
100	C71_Unbiased	0.605	0.605	0.000
100	C72_Unbiased	0.605	0.605	0.000
100	C73_Unbiased	0.603	0.604	0.000
100	C75_Unbiased	0.605	0.605	0.000
100	C76_Unbiased	0.608	0.608	0.000
100	C79_Unbiased	0.606	0.606	0.000
	Max	0.608	0.609	0.001
	Average	0.605	0.605	0.000
	Min	0.601	0.601	-0.005
	Std Dev	0.001	0.001	0.001

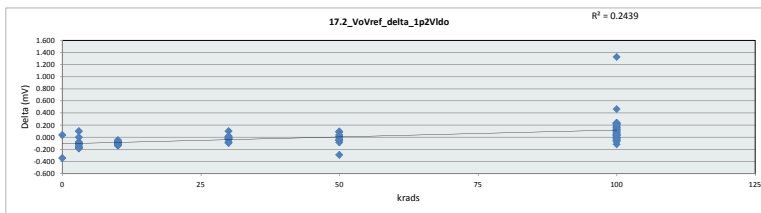


17.1_VO_ip2VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.604	0.602	0.601	0.603	0.603	0.602
Average	0.605	0.605	0.605	0.605	0.605	0.605
Max	0.605	0.607	0.607	0.607	0.607	0.609
UL	0.625	0.625	0.625	0.625	0.625	0.625

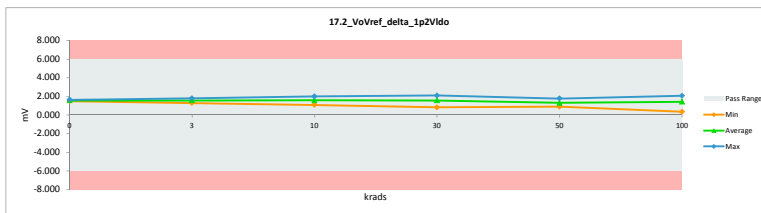


TID 100krad HDR Report
TPS7H3301-SP

17.2_VoVref_delta_1p2Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.287	1.630	-0.343
3	A116_Biased	1.280	1.392	-0.112
3	A117_Biased	1.584	1.749	-0.165
3	B36_Biased	1.489	1.659	-0.170
3	B37_Biased	1.467	1.547	-0.080
3	C39_Biased	1.625	1.783	-0.158
3	A118_Unbiased	1.625	1.753	-0.128
3	A140_Unbiased	1.287	1.286	0.000
3	B38_Unbiased	1.369	1.456	-0.087
3	B39_Unbiased	1.691	1.587	0.104
3	C40_Unbiased	1.277	1.459	-0.181
10	A119_Biased	1.867	1.963	-0.096
10	A120_Biased	1.809	1.879	-0.071
10	B40_Biased	1.379	1.472	-0.093
10	C41_Biased	1.552	1.681	-0.128
10	C42_Biased	1.449	1.497	-0.048
10	A121_Unbiased	1.131	1.198	-0.067
10	A124_Unbiased	1.452	1.539	-0.086
10	B41_Unbiased	1.417	1.554	-0.137
10	C43_Unbiased	1.875	1.990	-0.115
10	C44_Unbiased	1.004	1.080	-0.076
30	A125_Biased	1.739	1.815	-0.076
30	B42_Biased	2.061	2.094	-0.033
30	B43_Biased	1.785	1.787	-0.002
30	C45_Biased	1.459	1.474	-0.015
30	C46_Biased	1.170	1.201	-0.031
30	A127_Unbiased	1.659	1.647	0.012
30	B45_Unbiased	1.712	1.613	0.099
30	B47_Unbiased	1.449	1.474	-0.025
30	C47_Unbiased	1.576	1.667	-0.092
30	C50_Unbiased	0.823	0.823	0.000
50	A128_Biased	1.115	1.166	-0.051
50	A129_Biased	1.327	1.378	-0.052
50	B48_Biased	1.543	1.524	0.020
50	B49_Biased	1.360	1.273	0.087
50	C51_Biased	1.063	1.070	-0.007
50	A130_Unbiased	1.609	1.690	-0.082
50	A131_Unbiased	1.220	1.256	-0.036
50	B50_Unbiased	1.175	1.079	0.097
50	B51_Unbiased	1.484	1.774	-0.290
50	C53_Unbiased	0.939	0.899	0.040
0	106_Corr	1.525	1.487	0.038
100	A132_Biased	0.991	0.846	0.145
100	A134_Biased	2.167	1.946	0.221
100	A135_Biased	1.670	1.640	0.030
100	B52_Biased	1.522	1.391	0.130
100	B54_Biased	1.561	1.565	-0.004
100	B55_Biased	1.688	1.594	0.095
100	B56_Biased	1.166	1.082	0.084
100	B57_Biased	0.969	1.022	-0.053
100	B59_Biased	1.935	1.883	0.053
100	B62_Biased	1.337	1.454	-0.117
100	B63_Biased	1.749	1.756	-0.008
100	B64_Biased	1.871	1.892	-0.022
100	B66_Biased	1.473	1.348	0.126
100	B68_Biased	1.572	1.581	-0.009
100	C54_Biased	1.594	1.475	0.120
100	C55_Biased	2.000	1.969	0.031
100	C56_Biased	1.298	1.056	0.242
100	C57_Biased	1.707	1.753	-0.046
100	C58_Biased	1.759	1.628	0.131
100	C59_Biased	1.712	1.632	0.080
100	C65_Biased	1.214	0.990	0.224
100	C67_Biased	1.289	1.056	0.233
100	A122_Unbiased	1.906	1.856	0.050
100	A138_Unbiased	1.549	1.428	0.120
100	A139_Unbiased	1.609	1.449	0.161
100	B60_Unbiased	1.677	0.347	1.330
100	B61_Unbiased	1.405	0.937	0.467
100	B69_Unbiased	1.677	1.463	0.214
100	B70_Unbiased	1.405	1.456	-0.052
100	B71_Unbiased	1.604	1.582	0.022
100	B72_Unbiased	1.023	0.948	0.075
100	B73_Unbiased	1.665	1.477	0.188
100	B74_Unbiased	2.104	2.056	0.048
100	B77_Unbiased	1.183	1.128	0.055
100	B78_Unbiased	1.586	1.628	-0.042
100	B79_Unbiased	1.688	1.686	0.002
100	B80_Unbiased	1.657	1.729	-0.072
100	C70_Unbiased	1.745	1.505	0.241
100	C71_Unbiased	1.432	1.268	0.164
100	C72_Unbiased	1.209	1.183	0.026
100	C73_Unbiased	1.391	1.220	0.172
100	C75_Unbiased	1.703	1.475	0.228
100	C76_Unbiased	1.129	1.146	-0.017
100	C79_Unbiased	0.973	0.978	-0.005
	Max	2.167	2.094	1.330
	Average	1.492	1.461	0.031
	Min	0.842	0.347	-0.343
	Std Dev	0.284	0.330	0.192

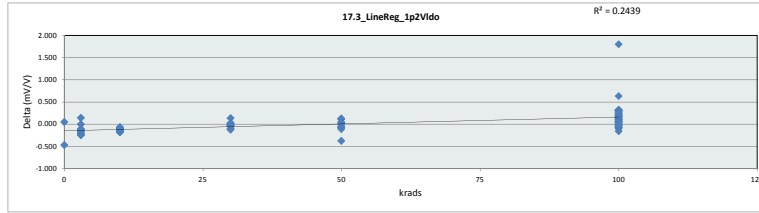


17.2_VoVref_delta_1p2Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.487	1.287	1.080	0.823	0.899	0.347
Average	1.558	1.567	1.585	1.559	1.311	1.416
Max	1.630	1.783	1.990	2.094	1.774	2.056
UL	6.000	6.000	6.000	6.000	6.000	6.000

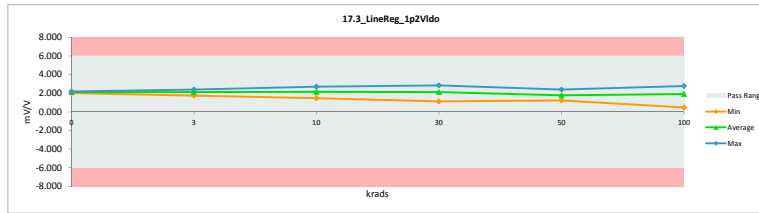


TID 100krad HDR Report
TPS7H3301-SP

17_3_LineReg_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.736	2.201	-0.465
3	A116_Biased	1.726	1.877	-0.151
3	A117_Biased	2.141	2.364	-0.223
3	B36_Biased	2.011	2.240	-0.229
3	B37_Biased	1.980	2.087	-0.108
3	C39_Biased	2.195	2.409	-0.214
3	A118_Unbiased	2.186	2.358	-0.172
3	A140_Unbiased	1.736	1.736	0.001
3	B38_Unbiased	1.845	1.962	-0.117
3	B39_Unbiased	2.293	2.151	0.143
3	C40_Unbiased	1.728	1.974	-0.246
10	A119_Biased	2.518	2.647	-0.129
10	A120_Biased	2.434	2.527	-0.094
10	B40_Biased	1.865	1.990	-0.125
10	C41_Biased	2.093	2.266	-0.173
10	C42_Biased	1.948	2.013	-0.065
10	A121_Unbiased	1.531	1.620	-0.090
10	A124_Unbiased	1.973	2.089	-0.116
10	B41_Unbiased	1.907	2.090	-0.183
10	C43_Unbiased	2.539	2.696	-0.157
10	C44_Unbiased	1.357	1.460	-0.104
30	A125_Biased	2.348	2.449	-0.101
30	B42_Biased	2.790	2.834	-0.044
30	B43_Biased	2.409	2.411	-0.002
30	C45_Biased	1.962	1.982	-0.020
30	C46_Biased	1.582	1.625	-0.043
30	A127_Unbiased	2.240	2.222	0.018
30	B45_Unbiased	2.319	2.182	0.136
30	B47_Unbiased	1.950	1.983	-0.034
30	C47_Unbiased	2.128	2.252	-0.124
30	C50_Unbiased	1.138	1.112	0.027
50	A128_Biased	1.502	1.571	-0.069
50	A129_Biased	1.786	1.855	-0.069
50	B48_Biased	2.088	2.060	0.028
50	B49_Biased	1.834	1.716	0.119
50	C51_Biased	1.431	1.440	-0.009
50	A130_Unbiased	2.180	2.289	-0.110
50	A131_Unbiased	1.648	1.696	-0.048
50	B50_Unbiased	1.587	1.456	0.131
50	B51_Unbiased	2.015	2.390	-0.375
50	C53_Unbiased	1.267	1.213	0.054
0	106_Corr	2.059	2.007	0.052
100	A132_Biased	1.338	1.141	0.196
100	A134_Biased	2.937	2.631	0.306
100	A135_Biased	2.256	2.214	0.042
100	B52_Biased	2.065	1.888	0.178
100	B54_Biased	2.111	2.116	-0.005
100	B55_Biased	2.280	2.150	0.130
100	B56_Biased	1.571	1.456	0.114
100	B57_Biased	1.304	1.374	-0.070
100	B59_Biased	2.623	2.550	0.072
100	B62_Biased	1.803	1.961	-0.158
100	B63_Biased	2.362	2.372	-0.010
100	B64_Biased	2.518	2.547	-0.030
100	B66_Biased	1.989	1.820	0.169
100	B68_Biased	2.123	2.134	-0.011
100	C54_Biased	2.157	1.995	0.162
100	C55_Biased	2.703	2.660	0.043
100	C56_Biased	1.748	1.422	0.326
100	C57_Biased	2.305	2.366	-0.062
100	C58_Biased	2.376	2.198	0.178
100	C59_Biased	2.307	2.198	0.109
100	C65_Biased	1.641	1.337	0.304
100	C67_Biased	1.737	1.422	0.315
100	A122_Unbiased	2.568	2.499	0.069
100	A138_Unbiased	2.089	1.925	0.163
100	A139_Unbiased	2.174	1.956	0.218
100	B60_Unbiased	2.468	0.465	1.803
100	B61_Unbiased	1.895	1.263	0.632
100	B69_Unbiased	2.268	1.978	0.290
100	B70_Unbiased	1.895	1.965	-0.070
100	B71_Unbiased	2.170	2.141	0.029
100	B72_Unbiased	1.382	1.281	0.101
100	B73_Unbiased	2.254	2.000	0.255
100	B74_Unbiased	2.852	2.788	0.064
100	B77_Unbiased	1.599	1.525	0.074
100	B78_Unbiased	2.142	2.199	-0.056
100	B79_Unbiased	2.283	2.280	0.003
100	B80_Unbiased	2.240	2.338	-0.098
100	C70_Unbiased	2.366	2.040	0.327
100	C71_Unbiased	1.932	1.709	0.222
100	C72_Unbiased	1.631	1.596	0.035
100	C73_Unbiased	1.883	1.649	0.233
100	C75_Unbiased	2.299	1.991	0.309
100	C76_Unbiased	1.518	1.541	-0.023
100	C79_Unbiased	1.310	1.047	0.263
	Max	2.937	2.834	1.803
	Average	2.015	1.972	0.042
	Min	1.138	0.465	-0.465
	Std Dev	0.386	0.447	0.259

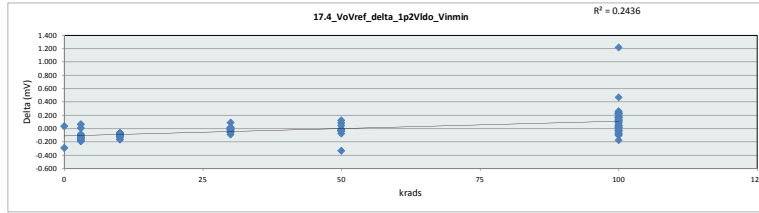


17_3_LineReg_1p2VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV/V				
Min Limit	-6	mV/V				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	2.007	1.736	1.460	1.112	1.213	0.465
Average	2.104	2.116	2.140	2.105	1.769	1.912
Max	2.201	2.409	2.696	2.834	2.390	2.788
UL	6.000	6.000	6.000	6.000	6.000	6.000

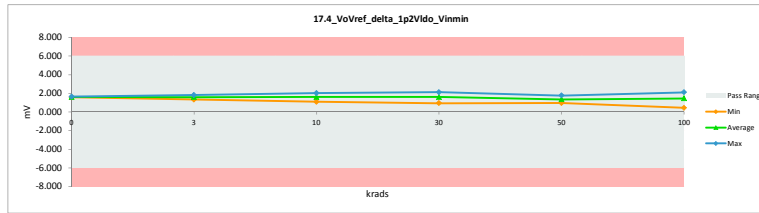


TID 100krad HDR Report
TPS7H3301-SP

17.4_VoVref_delta_1p2Vido_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.352	1.640	-0.289
3	A116_Biased	1.305	1.462	-0.158
3	A117_Biased	1.600	1.798	-0.199
3	B36_Biased	1.478	1.661	-0.183
3	B37_Biased	1.479	1.581	-0.102
3	C39_Biased	1.679	1.813	-0.134
3	A118_Unbiased	1.629	1.751	-0.122
3	A140_Unbiased	1.352	1.340	0.012
3	B38_Unbiased	1.414	1.496	-0.082
3	B39_Unbiased	1.677	1.610	0.067
3	C40_Unbiased	1.337	1.481	-0.144
10	A119_Biased	1.864	1.956	-0.092
10	A120_Biased	1.798	1.865	-0.068
10	B40_Biased	1.355	1.456	-0.101
10	C41_Biased	1.539	1.672	-0.133
10	C42_Biased	1.527	1.599	-0.072
10	A121_Unbiased	1.195	1.258	-0.063
10	A124_Unbiased	1.372	1.438	-0.066
10	B41_Unbiased	1.503	1.669	-0.165
10	C43_Unbiased	1.915	2.027	-0.112
10	C44_Unbiased	0.998	1.094	-0.095
30	A125_Biased	1.834	1.920	-0.087
30	B42_Biased	2.115	2.125	-0.011
30	B43_Biased	1.831	1.829	0.002
30	C45_Biased	1.556	1.573	-0.017
30	C46_Biased	1.217	1.272	-0.055
30	A127_Unbiased	1.712	1.740	-0.028
30	B45_Unbiased	1.686	1.596	0.090
30	B47_Unbiased	1.517	1.498	0.019
30	C47_Unbiased	1.627	1.684	-0.057
30	C50_Unbiased	0.938	0.938	0.000
50	A128_Biased	1.125	1.151	-0.025
50	A129_Biased	1.456	1.492	-0.036
50	B48_Biased	1.566	1.567	-0.002
50	B49_Biased	1.437	1.350	0.087
50	C51_Biased	1.097	1.110	-0.013
50	A130_Unbiased	1.560	1.633	-0.073
50	A131_Unbiased	1.297	1.329	-0.032
50	B50_Unbiased	1.248	1.122	0.126
50	B51_Unbiased	1.438	1.771	-0.333
50	C53_Unbiased	1.003	0.957	0.046
0	106_Corr	1.613	1.577	0.037
100	A132_Biased	1.139	0.964	0.175
100	A134_Biased	2.184	2.011	0.173
100	A135_Biased	1.678	1.678	0.000
100	B52_Biased	1.470	1.355	0.115
100	B54_Biased	1.564	1.595	-0.031
100	B55_Biased	1.671	1.551	0.120
100	B56_Biased	1.168	1.097	0.071
100	B57_Biased	1.019	1.102	-0.082
100	B59_Biased	1.932	2.107	-0.175
100	B62_Biased	1.478	1.577	-0.099
100	B63_Biased	1.867	1.889	-0.023
100	B64_Biased	1.962	1.995	-0.033
100	B66_Biased	1.525	1.357	0.168
100	B68_Biased	1.552	1.599	-0.047
100	C54_Biased	1.592	1.466	0.126
100	C55_Biased	1.973	1.258	0.039
100	C56_Biased	1.293	1.041	0.253
100	C57_Biased	1.707	1.775	-0.068
100	C58_Biased	1.766	1.626	0.140
100	C59_Biased	1.726	1.628	0.098
100	C65_Biased	1.221	0.994	0.228
100	C67_Biased	1.315	1.077	0.237
100	A122_Unbiased	1.905	1.855	0.050
100	A138_Unbiased	1.576	1.442	0.134
100	A139_Unbiased	1.566	1.599	0.167
100	B60_Unbiased	1.656	0.436	1.220
100	B61_Unbiased	1.438	0.965	0.473
100	B69_Unbiased	1.656	1.438	0.218
100	B70_Unbiased	1.438	1.525	-0.087
100	B71_Unbiased	1.659	1.636	0.023
100	B72_Unbiased	1.056	0.960	0.096
100	B73_Unbiased	1.694	1.480	0.215
100	B74_Unbiased	2.094	2.039	0.054
100	B77_Unbiased	1.341	1.292	0.049
100	B78_Unbiased	1.603	1.610	-0.007
100	B79_Unbiased	1.686	1.675	0.012
100	B80_Unbiased	1.726	1.805	-0.079
100	C70_Unbiased	1.786	1.536	0.251
100	C71_Unbiased	1.452	1.268	0.185
100	C72_Unbiased	1.284	1.265	0.019
100	C73_Unbiased	1.442	1.277	0.165
100	C75_Unbiased	1.738	1.475	0.263
100	C76_Unbiased	1.170	1.194	-0.024
100	C78_Unbiased	1.860	1.839	0.021
	Max	2.184	2.125	1.220
	Average	1.524	1.497	0.027
	Min	0.953	0.436	-0.333
	Std Dev	0.271	0.325	0.187



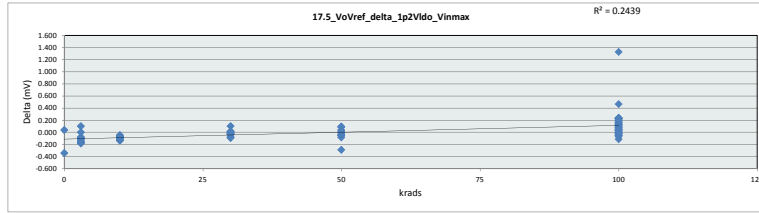
17.4_VoVref_delta_1p2Vido_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	6					
Min Limit	-6					
krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.577	1.340	1.094	0.938	0.957	0.436
Average	1.608	1.598	1.603	1.618	1.348	1.451
Max	1.640	1.813	2.027	2.125	1.771	2.107
UL	6.000	6.000	6.000	6.000	6.000	6.000



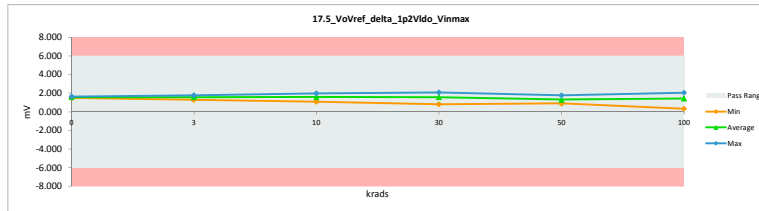
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17.5_VoVref_delta_1p2Vido_Vin		
Test Site	Dallas, Tx	Dallas, Tx
Tester	ETS	ETS
Test Number	EF636800	EF636800
Unit	mV	mV
Max Limit	6	6
Min Limit	-6	-6

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.287	1.630	-0.343
3	A116_Biased	1.280	1.392	-0.112
3	A117_Biased	1.584	1.749	-0.165
3	B36_Biased	1.489	1.659	-0.170
3	B37_Biased	1.467	1.547	-0.080
3	C39_Biased	1.625	1.783	-0.158
3	A118_Unbiased	1.625	1.753	-0.128
3	A140_Unbiased	1.287	1.286	0.000
3	B38_Unbiased	1.369	1.456	-0.087
3	B39_Unbiased	1.691	1.587	0.104
3	C40_Unbiased	1.277	1.459	-0.181
10	A119_Biased	1.867	1.963	-0.096
10	A120_Biased	1.829	1.879	-0.071
10	B40_Biased	1.379	1.472	-0.093
10	C41_Biased	1.552	1.681	-0.128
10	C42_Biased	1.449	1.497	-0.048
10	A121_Unbiased	1.131	1.198	-0.067
10	A124_Unbiased	1.452	1.539	-0.086
10	B41_Unbiased	1.417	1.554	-0.137
10	C43_Unbiased	1.875	1.990	-0.115
10	C44_Unbiased	1.004	1.080	-0.076
30	A125_Biased	1.739	1.815	-0.076
30	B42_Biased	2.061	2.094	-0.033
30	B43_Biased	1.785	1.787	-0.002
30	C45_Biased	1.459	1.474	-0.015
30	C46_Biased	1.170	1.201	-0.031
30	A127_Unbiased	1.659	1.647	0.012
30	B45_Unbiased	1.712	1.613	0.099
30	B47_Unbiased	1.449	1.474	-0.025
30	C47_Unbiased	1.576	1.667	-0.092
30	C50_Unbiased	0.823	0.823	0.000
50	A128_Biased	1.115	1.166	-0.051
50	A129_Biased	1.327	1.378	-0.052
50	B48_Biased	1.543	1.524	0.020
50	B49_Biased	1.360	1.273	0.087
50	C51_Biased	1.063	1.070	-0.007
50	A130_Unbiased	1.609	1.690	-0.082
50	A131_Unbiased	1.220	1.256	-0.036
50	B50_Unbiased	1.175	1.079	0.097
50	B51_Unbiased	1.484	1.774	-0.290
50	C53_Unbiased	0.939	0.899	0.040
0	106_Corr	1.525	1.487	0.038
100	A132_Biased	0.991	0.846	0.145
100	A134_Biased	2.167	1.946	0.221
100	A135_Biased	1.670	1.640	0.030
100	B52_Biased	1.522	1.391	0.130
100	B54_Biased	1.561	1.565	-0.004
100	B55_Biased	1.688	1.594	0.095
100	B56_Biased	1.166	1.082	0.084
100	B57_Biased	0.969	1.022	-0.053
100	B59_Biased	1.935	1.883	0.053
100	B62_Biased	1.337	1.454	-0.117
100	B63_Biased	1.749	1.756	-0.008
100	B64_Biased	1.871	1.892	-0.022
100	B66_Biased	1.473	1.348	0.126
100	B68_Biased	1.572	1.581	-0.009
100	C54_Biased	1.594	1.475	0.120
100	C55_Biased	2.000	1.969	0.031
100	C56_Biased	1.298	1.056	0.242
100	C57_Biased	1.707	1.753	-0.046
100	C58_Biased	1.759	1.628	0.131
100	C59_Biased	1.712	1.632	0.080
100	C65_Biased	1.714	0.990	0.224
100	C67_Biased	1.289	1.056	0.233
100	A122_Unbiased	1.906	1.856	0.050
100	A138_Unbiased	1.549	1.428	0.120
100	A139_Unbiased	1.609	1.449	0.161
100	B60_Unbiased	1.677	0.347	1.330
100	B61_Unbiased	1.405	0.937	0.467
100	B69_Unbiased	1.677	1.463	0.214
100	B70_Unbiased	1.405	1.456	-0.052
100	B71_Unbiased	1.604	1.632	-0.022
100	B72_Unbiased	1.023	0.948	0.075
100	B73_Unbiased	1.665	1.477	0.188
100	B74_Unbiased	2.104	2.056	0.048
100	B77_Unbiased	1.183	1.128	0.055
100	B78_Unbiased	1.686	1.628	-0.042
100	B79_Unbiased	1.688	1.686	0.002
100	B80_Unbiased	1.657	1.729	-0.072
100	C70_Unbiased	1.745	1.505	0.241
100	C71_Unbiased	1.432	1.268	0.164
100	C72_Unbiased	1.209	1.183	0.026
100	C73_Unbiased	1.391	1.220	0.172
100	C75_Unbiased	1.703	1.475	0.228
100	C76_Unbiased	1.129	1.146	-0.017
100	C79_Unbiased	0.973	0.778	0.195
	Max	2.167	2.094	1.330
	Average	1.492	1.461	0.031
	Min	0.842	0.347	-0.343
	Std Dev	0.284	0.330	0.192

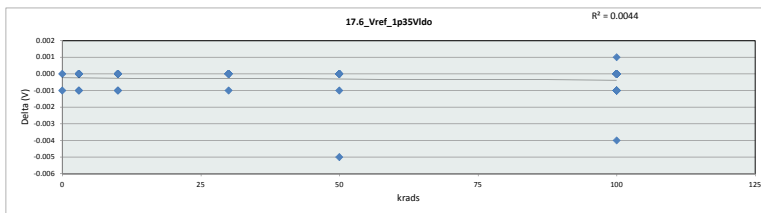


17.5_VoVref_delta_1p2Vido_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.487	1.287	1.080	0.823	0.899	0.347
Average	1.558	1.567	1.585	1.559	1.311	1.416
Max	1.630	1.783	1.990	2.094	1.774	2.056
UL	6.000	6.000	6.000	6.000	6.000	6.000

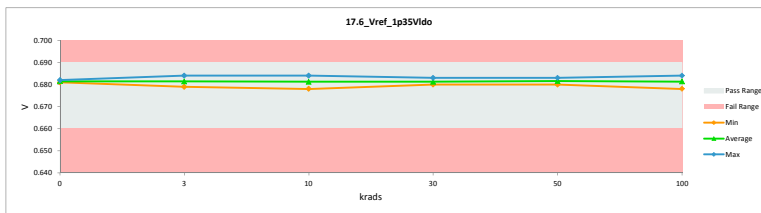


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17.6_Vref_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.69	0.69		
Min Limit	0.66	0.66		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.681	0.681	0.000
3	A116_Biased	0.682	0.682	0.000
3	A117_Biased	0.681	0.681	0.000
3	B36_Biased	0.681	0.681	0.000
3	B37_Biased	0.682	0.682	0.000
3	C39_Biased	0.681	0.681	0.000
3	A118_Unbiased	0.683	0.684	-0.001
3	A140_Unbiased	0.681	0.682	-0.001
3	B38_Unbiased	0.682	0.682	0.000
3	B39_Unbiased	0.679	0.679	0.000
3	C40_Unbiased	0.680	0.680	0.000
10	A119_Biased	0.682	0.682	0.000
10	A120_Biased	0.683	0.684	-0.001
10	B40_Biased	0.680	0.680	0.000
10	C41_Biased	0.682	0.682	0.000
10	C42_Biased	0.684	0.684	0.000
10	A121_Unbiased	0.680	0.680	0.000
10	A124_Unbiased	0.677	0.678	-0.001
10	B41_Unbiased	0.683	0.683	0.000
10	C43_Unbiased	0.680	0.680	0.000
10	C44_Unbiased	0.680	0.680	0.000
30	A125_Biased	0.682	0.682	0.000
30	B42_Biased	0.680	0.680	0.000
30	B43_Biased	0.682	0.682	0.000
30	C45_Biased	0.683	0.683	0.000
30	C46_Biased	0.680	0.680	0.000
30	A127_Unbiased	0.681	0.682	-0.001
30	B45_Unbiased	0.680	0.680	0.000
30	B47_Unbiased	0.683	0.683	0.000
30	C47_Unbiased	0.681	0.681	0.000
30	C50_Unbiased	0.680	0.680	0.000
50	A128_Biased	0.682	0.682	0.000
50	A129_Biased	0.683	0.683	0.000
50	B48_Biased	0.680	0.680	0.000
50	B49_Biased	0.682	0.682	0.000
50	C51_Biased	0.683	0.683	0.000
50	A130_Unbiased	0.679	0.680	-0.001
50	A131_Unbiased	0.681	0.681	0.000
50	B50_Unbiased	0.681	0.681	0.000
50	B51_Unbiased	0.678	0.683	-0.005
50	C53_Unbiased	0.681	0.681	0.000
0	106_Corr	0.681	0.682	-0.001
100	A132_Biased	0.681	0.682	-0.001
100	A134_Biased	0.680	0.681	-0.001
100	A135_Biased	0.681	0.681	0.000
100	B52_Biased	0.678	0.678	0.000
100	B54_Biased	0.680	0.680	0.000
100	B55_Biased	0.681	0.682	-0.001
100	B56_Biased	0.682	0.683	-0.001
100	B57_Biased	0.683	0.683	0.000
100	B59_Biased	0.679	0.680	-0.001
100	B62_Biased	0.682	0.682	0.000
100	B63_Biased	0.681	0.682	-0.001
100	B64_Biased	0.683	0.683	0.000
100	B66_Biased	0.681	0.681	0.000
100	B68_Biased	0.681	0.682	-0.001
100	C54_Biased	0.680	0.680	0.000
100	C55_Biased	0.681	0.681	0.000
100	C56_Biased	0.682	0.683	-0.001
100	C57_Biased	0.681	0.682	-0.001
100	C58_Biased	0.681	0.681	0.000
100	C59_Biased	0.682	0.683	-0.001
100	C65_Biased	0.681	0.681	0.000
100	C67_Biased	0.682	0.682	0.000
100	A122_Unbiased	0.683	0.683	0.000
100	A138_Unbiased	0.682	0.682	0.000
100	A139_Unbiased	0.681	0.681	0.000
100	B60_Unbiased	0.680	0.684	-0.004
100	B61_Unbiased	0.682	0.682	0.000
100	B69_Unbiased	0.680	0.680	0.000
100	B70_Unbiased	0.682	0.682	0.000
100	B71_Unbiased	0.680	0.680	0.000
100	B72_Unbiased	0.681	0.681	0.000
100	B73_Unbiased	0.680	0.680	0.000
100	B74_Unbiased	0.679	0.679	0.000
100	B77_Unbiased	0.681	0.681	0.000
100	B78_Unbiased	0.681	0.681	0.000
100	B79_Unbiased	0.680	0.680	0.000
100	B80_Unbiased	0.681	0.680	0.001
100	C70_Unbiased	0.679	0.679	0.000
100	C71_Unbiased	0.682	0.682	0.000
100	C72_Unbiased	0.681	0.681	0.000
100	C73_Unbiased	0.680	0.680	0.000
100	C75_Unbiased	0.681	0.682	-0.001
100	C76_Unbiased	0.684	0.684	0.000
100	C79_Unbiased	0.682	0.682	0.000
	Max	0.684	0.684	0.001
	Average	0.681	0.681	0.000
	Min	0.677	0.678	-0.005
	Std Dev	0.001	0.001	0.001

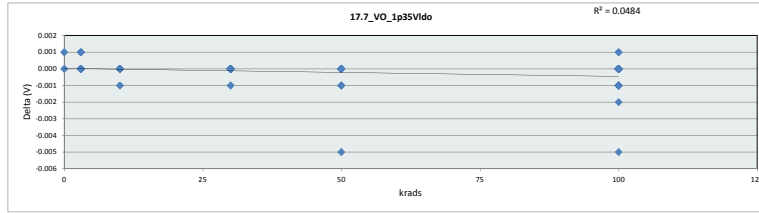


17.6_Vref_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.69	V				
Min Limit	0.66	V				
krads	0	3	10	30	50	100
LL	0.660	0.660	0.660	0.660	0.660	0.660
Min	0.681	0.679	0.678	0.680	0.680	0.678
Average	0.682	0.681	0.681	0.681	0.682	0.681
Max	0.682	0.684	0.684	0.683	0.683	0.684
UL	0.690	0.690	0.690	0.690	0.690	0.690

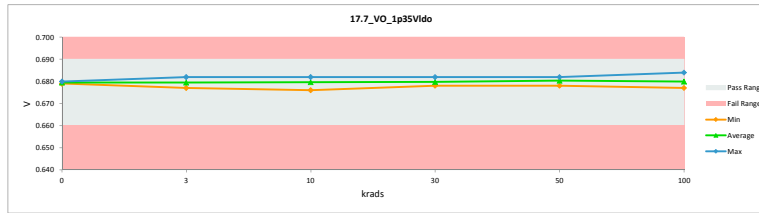


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17.7_VO_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.69	0.69		
Min Limit	0.66	0.66		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.680	0.679	0.001
3	A116_Biased	0.680	0.680	0.000
3	A117_Biased	0.679	0.679	0.000
3	B36_Biased	0.680	0.679	0.001
3	B37_Biased	0.680	0.680	0.000
3	C39_Biased	0.679	0.679	0.000
3	A118_Unbiased	0.682	0.682	0.000
3	A140_Unbiased	0.680	0.680	0.000
3	B38_Unbiased	0.681	0.681	0.000
3	B39_Unbiased	0.677	0.677	0.000
3	C40_Unbiased	0.679	0.678	0.001
10	A119_Biased	0.680	0.680	0.000
10	A120_Biased	0.682	0.682	0.000
10	B40_Biased	0.679	0.679	0.000
10	C41_Biased	0.680	0.680	0.000
10	C42_Biased	0.682	0.682	0.000
10	A121_Unbiased	0.678	0.679	-0.001
10	A124_Unbiased	0.676	0.676	0.000
10	B41_Unbiased	0.682	0.682	0.000
10	C43_Unbiased	0.678	0.678	0.000
10	C44_Unbiased	0.679	0.679	0.000
30	A125_Biased	0.680	0.680	0.000
30	B42_Biased	0.678	0.678	0.000
30	B43_Biased	0.680	0.680	0.000
30	C45_Biased	0.682	0.682	0.000
30	C46_Biased	0.679	0.679	0.000
30	A127_Unbiased	0.680	0.680	0.000
30	B45_Unbiased	0.678	0.678	0.000
30	B47_Unbiased	0.682	0.682	0.000
30	C47_Unbiased	0.679	0.679	0.000
30	C50_Unbiased	0.679	0.680	-0.001
50	A128_Biased	0.681	0.681	0.000
50	A129_Biased	0.682	0.682	0.000
50	B48_Biased	0.678	0.679	-0.001
50	B49_Biased	0.680	0.681	-0.001
50	C51_Biased	0.682	0.682	0.000
50	A130_Unbiased	0.678	0.678	0.000
50	A131_Unbiased	0.680	0.680	0.000
50	B50_Unbiased	0.680	0.680	0.000
50	B51_Unbiased	0.676	-0.005	0.000
50	C53_Unbiased	0.680	0.680	0.000
0	106_Corr	0.680	0.680	0.000
100	A132_Biased	0.680	0.681	-0.001
100	A134_Biased	0.677	0.679	-0.002
100	A135_Biased	0.679	0.680	-0.001
100	B52_Biased	0.676	0.677	-0.001
100	B54_Biased	0.679	0.679	0.000
100	B55_Biased	0.680	0.680	0.000
100	B56_Biased	0.681	0.682	-0.001
100	B57_Biased	0.682	0.682	0.000
100	B59_Biased	0.677	0.678	-0.001
100	B62_Biased	0.680	0.681	-0.001
100	B63_Biased	0.680	0.680	0.000
100	B64_Biased	0.682	0.682	0.000
100	B66_Biased	0.680	0.680	0.000
100	B68_Biased	0.680	0.680	0.000
100	C54_Biased	0.679	0.678	0.001
100	C55_Biased	0.679	0.679	0.000
100	C56_Biased	0.681	0.681	0.000
100	C57_Biased	0.680	0.680	0.000
100	C58_Biased	0.679	0.679	0.000
100	C59_Biased	0.681	0.681	0.000
100	C65_Biased	0.679	0.680	-0.001
100	C67_Biased	0.681	0.681	0.000
100	A122_Unbiased	0.681	0.682	-0.001
100	A138_Unbiased	0.680	0.681	-0.001
100	A139_Unbiased	0.679	0.680	-0.001
100	B60_Unbiased	0.679	0.684	-0.005
100	B61_Unbiased	0.680	0.681	-0.001
100	B69_Unbiased	0.679	0.679	0.000
100	B70_Unbiased	0.680	0.680	0.000
100	B71_Unbiased	0.679	0.678	0.001
100	B72_Unbiased	0.680	0.680	0.000
100	B73_Unbiased	0.678	0.678	0.000
100	B74_Unbiased	0.677	0.677	0.000
100	B77_Unbiased	0.679	0.679	0.000
100	B78_Unbiased	0.679	0.679	0.000
100	B79_Unbiased	0.679	0.679	0.000
100	B80_Unbiased	0.679	0.679	0.000
100	C70_Unbiased	0.677	0.677	0.000
100	C71_Unbiased	0.680	0.681	-0.001
100	C72_Unbiased	0.680	0.680	0.000
100	C73_Unbiased	0.678	0.679	-0.001
100	C75_Unbiased	0.680	0.680	0.000
100	C76_Unbiased	0.683	0.683	0.000
100	C79_Unbiased	0.681	0.681	0.000
	Max	0.683	0.684	0.001
	Average	0.680	0.680	0.000
	Min	0.676	0.676	-0.005
	Std Dev	0.001	0.002	0.001

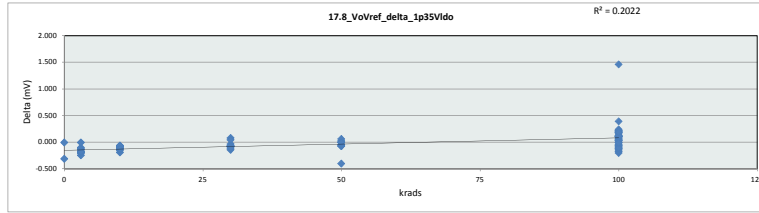


17.7_VO_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.69	V				
Min Limit	0.66	V				
krads	0	3	10	30	50	100
LL	0.660	0.660	0.660	0.660	0.660	0.660
Min	0.679	0.677	0.676	0.678	0.678	0.677
Average	0.680	0.680	0.680	0.680	0.680	0.680
Max	0.680	0.682	0.682	0.682	0.682	0.684
UL	0.690	0.690	0.690	0.690	0.690	0.690

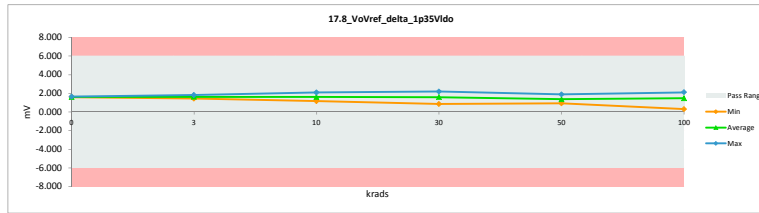


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17.8_VoVref_delta_1p35Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.324	1.642	-0.318
3	A116_Biased	1.313	1.515	-0.202
3	A117_Biased	1.580	1.777	-0.197
3	B36_Biased	1.430	1.681	-0.250
3	B37_Biased	1.482	1.661	-0.178
3	C39_Biased	1.600	1.808	-0.208
3	A118_Unbiased	1.467	1.594	-0.127
3	A140_Unbiased	1.324	1.430	-0.106
3	B38_Unbiased	1.404	1.550	-0.146
3	B39_Unbiased	1.690	1.696	-0.006
3	C40_Unbiased	1.353	1.535	-0.181
10	A119_Biased	1.906	2.036	-0.130
10	A120_Biased	1.646	1.750	-0.084
10	B40_Biased	1.436	1.540	-0.104
10	C41_Biased	1.585	1.779	-0.194
10	C42_Unbiased	1.310	1.396	-0.086
10	A121_Unbiased	1.209	1.293	-0.084
10	A124_Unbiased	1.529	1.598	-0.069
10	B41_Unbiased	1.444	1.512	-0.068
10	C43_Unbiased	1.934	2.088	-0.154
10	C44_Unbiased	1.034	1.161	-0.127
30	A125_Biased	1.750	1.897	-0.148
30	B42_Biased	2.111	2.193	-0.081
30	B43_Biased	1.815	1.855	-0.040
30	C45_Biased	1.332	1.424	-0.091
30	C46_Biased	1.225	1.309	-0.084
30	A127_Unbiased	1.655	1.727	-0.072
30	B45_Unbiased	1.781	1.707	0.073
30	B47_Unbiased	1.296	1.371	-0.075
30	C47_Unbiased	1.555	1.672	-0.116
30	C50_Unbiased	0.846	0.846	0.000
50	A128_Biased	1.156	1.231	-0.075
50	A129_Biased	1.384	1.386	-0.002
50	B48_Biased	1.615	1.619	-0.004
50	B49_Biased	1.402	1.379	0.023
50	C51_Biased	1.107	1.181	-0.074
50	A130_Unbiased	1.686	1.762	-0.076
50	A131_Unbiased	1.224	1.266	-0.043
50	B50_Unbiased	1.156	1.099	0.057
50	B51_Unbiased	1.472	1.577	-0.405
50	C53_Unbiased	0.918	0.927	-0.009
0	106_Corr	1.581	1.592	-0.011
100	A132_Biased	1.006	0.969	0.037
100	A134_Biased	2.222	1.982	0.239
100	A135_Biased	1.609	1.681	-0.072
100	B52_Biased	1.477	1.376	0.101
100	B54_Biased	1.609	1.657	-0.048
100	B55_Biased	1.629	1.686	-0.057
100	B56_Biased	1.206	1.163	0.042
100	B57_Biased	1.006	1.020	-0.014
100	B59_Biased	1.994	1.964	0.030
100	B62_Biased	1.406	1.537	-0.132
100	B63_Biased	1.699	1.869	-0.171
100	B64_Biased	1.720	1.836	-0.116
100	B66_Biased	1.445	1.335	0.110
100	B68_Biased	1.535	1.740	-0.205
100	C54_Biased	1.674	1.563	0.111
100	C55_Biased	1.967	2.052	-0.086
100	C56_Biased	1.363	1.168	0.195
100	C57_Biased	1.696	1.879	-0.183
100	C58_Biased	1.750	1.647	0.103
100	C59_Biased	1.756	1.684	0.072
100	C65_Biased	1.241	1.035	0.207
100	C67_Biased	1.342	1.155	0.187
100	A122_Unbiased	1.984	1.808	0.176
100	A138_Unbiased	1.577	1.487	0.089
100	A139_Unbiased	1.587	1.462	0.125
100	B60_Unbiased	1.770	0.314	1.456
100	B61_Unbiased	1.429	1.040	0.389
100	B69_Unbiased	1.770	1.557	0.213
100	B70_Unbiased	1.429	1.579	-0.150
100	B71_Unbiased	1.678	1.656	0.022
100	B72_Unbiased	1.013	0.909	0.104
100	B73_Unbiased	1.721	1.545	0.176
100	B74_Unbiased	2.168	2.109	0.059
100	B77_Unbiased	1.207	1.172	0.035
100	B78_Unbiased	1.574	1.634	-0.060
100	B79_Unbiased	1.771	1.773	-0.002
100	B80_Unbiased	1.667	1.778	-0.111
100	C70_Unbiased	1.793	1.580	0.213
100	C71_Unbiased	1.471	1.369	0.102
100	C72_Unbiased	1.179	1.289	-0.111
100	C73_Unbiased	1.472	1.316	0.156
100	C75_Unbiased	1.716	1.590	0.125
100	C76_Unbiased	0.998	1.012	-0.014
100	C79_Unbiased	1.846	0.865	0.982
	Max	2.222	2.193	1.456
	Average	1.506	1.514	-0.008
	Min	0.883	0.314	-0.405
	Std Dev	0.288	0.335	0.211

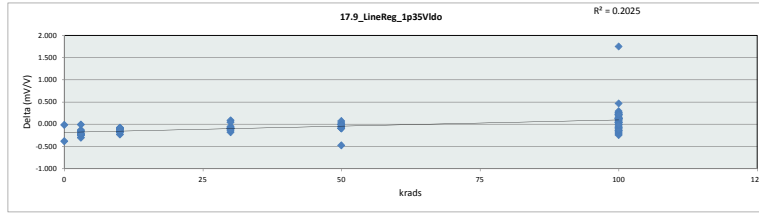


17.8_VoVref_delta_1p35Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.593	1.430	1.161	0.846	0.927	0.314
Average	1.617	1.625	1.615	1.600	1.373	1.474
Max	1.642	1.808	2.088	2.193	1.877	2.109
UL	6.000	6.000	6.000	6.000	6.000	6.000

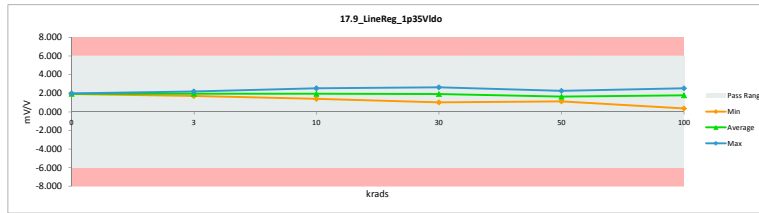


TID 100krad HDR Report
TPS7H3301-SP

17_9_LineReg_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	-6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.589	1.972	-0.383
3	A116_Biased	1.575	1.817	-0.242
3	A117_Biased	1.900	2.136	-0.236
3	B36_Biased	1.718	2.019	-0.301
3	B37_Biased	1.779	1.993	-0.214
3	C39_Biased	1.923	2.174	-0.251
3	A118_Unbiased	1.757	1.909	-0.152
3	A140_Unbiased	1.589	1.717	-0.127
3	B38_Unbiased	1.684	1.859	-0.175
3	B39_Unbiased	2.038	2.044	-0.006
3	C40_Unbiased	1.628	1.847	-0.218
10	A119_Biased	2.287	2.443	-0.155
10	A120_Biased	1.995	2.094	-0.099
10	B40_Biased	1.728	1.852	-0.124
10	C41_Biased	1.902	2.134	-0.233
10	C42_Biased	1.568	1.670	-0.103
10	A121_Unbiased	1.455	1.556	-0.100
10	A124_Unbiased	1.846	1.929	-0.082
10	B41_Unbiased	1.730	1.811	-0.081
10	C43_Unbiased	2.330	2.516	-0.186
10	C44_Unbiased	1.243	1.396	-0.153
30	A125_Biased	2.101	2.278	-0.177
30	B42_Biased	2.543	2.639	-0.097
30	B43_Biased	2.180	2.227	-0.047
30	C45_Biased	1.595	1.705	-0.110
30	C46_Biased	1.473	1.574	-0.101
30	A127_Unbiased	1.987	2.073	-0.085
30	B45_Unbiased	2.145	2.055	0.090
30	B47_Unbiased	1.552	1.641	-0.089
30	C47_Unbiased	1.869	2.009	-0.140
30	C50_Unbiased	1.017	1.017	0.045
50	A128_Biased	1.386	1.476	-0.090
50	A129_Biased	1.658	1.660	-0.002
50	B48_Biased	1.943	1.947	-0.004
50	B49_Biased	1.683	1.654	0.029
50	C51_Biased	1.326	1.415	-0.089
50	A130_Unbiased	2.031	2.122	-0.091
50	A131_Unbiased	1.470	1.522	-0.052
50	B50_Unbiased	1.388	1.319	0.069
50	B51_Unbiased	1.776	2.249	-0.473
50	C53_Unbiased	1.102	1.113	-0.011
0	106_Corr	1.899	1.912	-0.013
100	A132_Biased	1.208	1.162	0.046
100	A134_Biased	2.677	2.384	0.294
100	A135_Biased	1.934	2.020	-0.086
100	B52_Biased	1.783	1.660	0.122
100	B54_Biased	1.935	1.993	-0.058
100	B55_Biased	1.956	2.023	-0.067
100	B56_Biased	1.445	1.393	0.052
100	B57_Biased	1.205	1.221	-0.016
100	B59_Biased	2.403	2.366	0.037
100	B62_Biased	1.687	1.844	-0.157
100	B63_Biased	2.041	2.246	-0.205
100	B64_Biased	2.060	2.200	-0.139
100	B66_Biased	1.736	1.604	0.132
100	B68_Biased	1.843	2.089	-0.246
100	C54_Biased	2.013	1.880	0.133
100	C55_Biased	2.364	2.466	-0.102
100	C56_Biased	1.634	1.600	0.234
100	C57_Biased	2.037	2.256	-0.220
100	C58_Biased	2.103	1.979	0.125
100	C59_Biased	2.106	2.019	0.087
100	C65_Biased	1.492	1.243	0.249
100	C67_Biased	1.610	1.384	0.225
100	A122_Unbiased	2.378	2.165	0.212
100	A138_Unbiased	1.892	1.783	0.108
100	A139_Unbiased	1.906	1.756	0.150
100	B60_Unbiased	2.129	0.375	1.754
100	B61_Unbiased	1.715	1.247	0.469
100	B69_Unbiased	2.129	1.873	0.257
100	B70_Unbiased	1.715	1.895	-0.179
100	B71_Unbiased	2.019	1.993	0.026
100	B72_Unbiased	1.217	1.092	0.125
100	B73_Unbiased	2.074	1.861	0.213
100	B74_Unbiased	2.614	2.542	0.072
100	B77_Unbiased	1.451	1.408	0.042
100	B78_Unbiased	1.892	1.863	-0.072
100	B79_Unbiased	2.130	2.133	-0.002
100	B80_Unbiased	2.004	2.139	-0.134
100	C70_Unbiased	2.162	1.904	0.258
100	C71_Unbiased	1.765	1.643	0.123
100	C72_Unbiased	1.415	1.548	-0.133
100	C73_Unbiased	1.772	1.583	0.189
100	C75_Unbiased	2.060	1.909	0.152
100	C76_Unbiased	1.194	1.210	-0.016
100	C79_Unbiased	1.254	1.036	0.218
	Max	2.677	2.639	1.754
	Average	1.809	1.818	-0.009
	Min	1.061	0.375	-0.473
	Std Dev	0.347	0.404	0.253

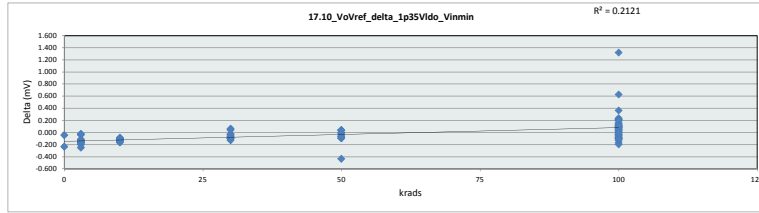


17_9_LineReg_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV/V				
Min Limit	-6	mV/V				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.912	1.717	1.396	1.017	1.113	0.375
Average	1.942	1.951	1.940	1.922	1.647	1.770
Max	1.972	2.174	2.516	2.639	2.249	2.542
UL	6.000	6.000	6.000	6.000	6.000	6.000

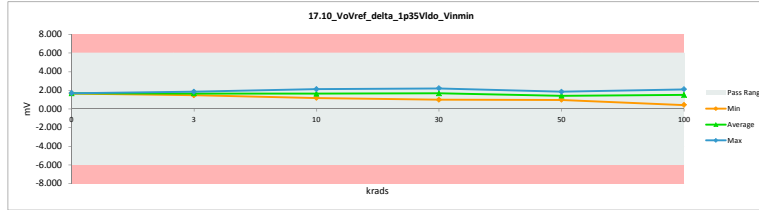


TID 100krad HDR Report
TPS7H3301-SP

17_10_VoVref_delta_1p35VIdo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6			
Min Limit	-6			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.423	1.662	-0.238
3	A116_Biased	1.364	1.563	-0.199
3	A117_Biased	1.640	1.809	-0.169
3	B36_Biased	1.446	1.699	-0.252
3	B37_Biased	1.523	1.689	-0.165
3	C39_Biased	1.670	1.846	-0.177
3	A118_Unbiased	1.516	1.653	-0.137
3	A140_Unbiased	1.423	1.464	-0.040
3	B38_Unbiased	1.475	1.592	-0.117
3	B39_Unbiased	1.704	1.727	-0.022
3	C40_Unbiased	1.421	1.575	-0.154
10	A119_Biased	1.912	2.057	-0.145
10	A120_Biased	1.657	1.776	-0.119
10	B40_Biased	1.418	1.544	-0.126
10	C41_Biased	1.609	1.779	-0.170
10	C42_Biased	1.361	1.469	-0.108
10	A121_Unbiased	1.266	1.370	-0.104
10	A124_Unbiased	1.429	1.519	-0.091
10	B41_Unbiased	1.539	1.661	-0.121
10	C43_Unbiased	2.000	2.118	-0.118
10	C44_Unbiased	1.050	1.183	-0.133
30	A125_Biased	1.893	2.023	-0.129
30	B42_Biased	2.182	2.219	-0.037
30	B43_Biased	1.860	1.931	-0.072
30	C45_Biased	1.407	1.506	-0.099
30	C46_Biased	1.311	1.371	-0.060
30	A127_Unbiased	1.724	1.823	-0.100
30	B45_Unbiased	1.759	1.697	0.061
30	B47_Unbiased	1.401	1.433	-0.032
30	C47_Unbiased	1.641	1.738	-0.096
30	C50_Unbiased	1.034	0.925	0.039
50	A128_Biased	1.160	1.253	-0.093
50	A129_Biased	1.516	1.541	-0.025
50	B48_Biased	1.638	1.643	-0.005
50	B49_Biased	1.480	1.444	0.036
50	C51_Biased	1.428	1.208	-0.065
50	A130_Unbiased	1.630	1.730	-0.100
50	A131_Unbiased	1.273	1.333	-0.060
50	B50_Unbiased	1.212	1.180	0.031
50	B51_Unbiased	1.414	1.854	-0.439
50	C53_Unbiased	1.005	0.974	0.031
0	106_Corr	1.649	1.693	-0.044
100	A132_Biased	1.129	1.095	0.034
100	A134_Biased	2.245	2.033	0.213
100	A135_Biased	1.666	1.711	-0.046
100	B52_Biased	1.447	1.368	0.079
100	B54_Biased	1.635	1.705	-0.070
100	B55_Biased	1.617	1.671	-0.055
100	B56_Biased	1.247	1.189	0.058
100	B57_Biased	1.061	1.090	-0.029
100	B59_Biased	1.987	1.983	0.004
100	B62_Biased	1.552	1.655	-0.103
100	B63_Biased	1.844	1.947	-0.103
100	B64_Biased	1.849	1.935	-0.086
100	B66_Biased	1.471	1.378	0.093
100	B68_Biased	1.539	1.712	-0.173
100	C54_Biased	1.681	1.568	0.113
100	C55_Biased	1.939	2.026	-0.087
100	C56_Biased	1.348	1.345	0.023
100	C57_Biased	1.714	1.912	-0.198
100	C58_Biased	1.769	1.664	0.105
100	C59_Biased	1.787	1.702	0.085
100	C65_Biased	1.297	1.051	0.236
100	C67_Biased	1.376	1.183	0.193
100	A122_Unbiased	1.966	1.812	0.154
100	A138_Unbiased	1.605	1.523	0.082
100	A139_Unbiased	1.568	1.441	0.127
100	B60_Unbiased	1.743	0.427	1.316
100	B61_Unbiased	1.470	1.110	0.360
100	B69_Unbiased	1.743	1.541	0.202
100	B70_Unbiased	1.470	1.605	-0.134
100	B71_Unbiased	1.729	1.728	0.001
100	B72_Unbiased	1.051	0.981	0.070
100	B73_Unbiased	2.192	1.569	0.623
100	B74_Unbiased	2.157	2.115	0.043
100	B77_Unbiased	1.378	1.332	0.046
100	B78_Unbiased	1.582	1.620	-0.038
100	B79_Unbiased	1.749	1.753	-0.005
100	B80_Unbiased	1.769	1.881	-0.112
100	C70_Unbiased	1.854	1.636	0.217
100	C71_Unbiased	1.499	1.395	0.104
100	C72_Unbiased	1.264	1.368	-0.104
100	C73_Unbiased	1.519	1.377	0.142
100	C75_Unbiased	1.717	1.603	0.113
100	C76_Unbiased	1.059	1.074	-0.015
100	C79_Unbiased	1.141	0.938	0.204
	Max	2.245	2.219	1.316
	Average	1.554	1.559	-0.006
	Min	1.005	0.427	-0.439
	Std Dev	0.281	0.320	0.205

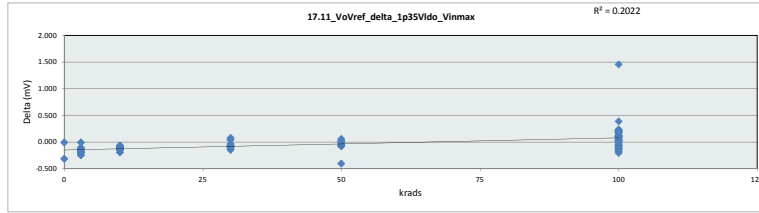


17_10_VoVref_delta_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.662	1.464	1.183	0.995	0.974	0.427
Average	1.678	1.662	1.648	1.674	1.416	1.517
Max	1.693	1.846	2.118	2.219	1.854	2.115
UL	6.000	6.000	6.000	6.000	6.000	6.000

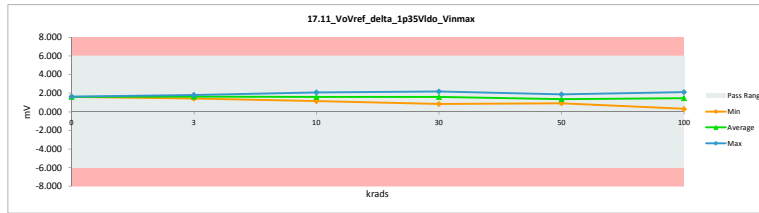


TID 100krad HDR Report
TPS7H3301-SP

17.11_VoVref_delta_1p35Vido_V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.324	1.642	-0.318
3	A116_Biased	1.313	1.515	-0.202
3	A117_Biased	1.580	1.777	-0.197
3	B36_Biased	1.430	1.681	-0.250
3	B37_Biased	1.482	1.661	-0.178
3	C39_Biased	1.600	1.808	-0.208
3	A118_Unbiased	1.467	1.594	-0.127
3	A140_Unbiased	1.324	1.430	-0.106
3	B38_Unbiased	1.404	1.550	-0.146
3	B39_Unbiased	1.690	1.696	-0.006
3	C40_Unbiased	1.353	1.535	-0.181
10	A119_Biased	1.906	2.036	-0.130
10	A120_Biased	1.666	1.750	-0.084
10	B40_Biased	1.436	1.540	-0.104
10	C41_Biased	1.585	1.779	-0.194
10	C42_Biased	1.310	1.396	-0.086
10	A121_Unbiased	1.209	1.293	-0.084
10	A124_Unbiased	1.529	1.598	-0.069
10	B41_Unbiased	1.444	1.512	-0.068
10	C43_Unbiased	1.934	2.088	-0.154
10	C44_Unbiased	1.034	1.161	-0.127
30	A125_Biased	1.750	1.897	-0.148
30	B42_Biased	2.111	2.193	-0.081
30	B43_Biased	1.815	1.855	-0.040
30	C45_Biased	1.332	1.424	-0.091
30	C46_Biased	1.225	1.309	-0.084
30	A127_Unbiased	1.655	1.727	-0.072
30	B45_Unbiased	1.781	1.707	0.073
30	B47_Unbiased	1.296	1.371	-0.075
30	C47_Unbiased	1.555	1.672	-0.116
30	C50_Unbiased	0.846	0.846	0.000
50	A128_Biased	1.156	1.231	-0.075
50	A129_Biased	1.384	1.386	-0.002
50	B48_Biased	1.615	1.619	-0.004
50	B49_Biased	1.402	1.379	0.023
50	C51_Biased	1.107	1.181	-0.074
50	A130_Unbiased	1.686	1.762	-0.076
50	A131_Unbiased	1.224	1.266	-0.043
50	B50_Unbiased	1.156	1.099	0.057
50	B51_Unbiased	1.472	1.577	-0.405
50	C53_Unbiased	0.918	0.927	-0.009
0	106_Corr	1.581	1.592	-0.011
100	A132_Biased	1.006	0.969	0.037
100	A134_Biased	2.222	1.982	0.239
100	A135_Biased	1.609	1.681	-0.072
100	B52_Biased	1.477	1.376	0.101
100	B54_Biased	1.609	1.657	-0.048
100	B55_Biased	1.629	1.686	-0.057
100	B56_Biased	1.206	1.163	0.042
100	B57_Biased	1.006	1.020	-0.014
100	B59_Biased	1.994	1.964	0.030
100	B62_Biased	1.406	1.537	-0.132
100	B63_Biased	1.699	1.869	-0.171
100	B64_Biased	1.720	1.836	-0.116
100	B66_Biased	1.445	1.335	0.110
100	B68_Biased	1.535	1.740	-0.205
100	C54_Biased	1.674	1.563	0.111
100	C55_Biased	1.967	2.052	-0.086
100	C56_Biased	1.363	1.168	0.195
100	C57_Biased	1.696	1.879	-0.183
100	C58_Biased	1.750	1.647	0.103
100	C59_Biased	1.756	1.684	0.072
100	C65_Biased	1.241	1.035	0.207
100	C67_Biased	1.342	1.155	0.187
100	A122_Unbiased	1.984	1.808	0.176
100	A138_Unbiased	1.577	1.487	0.089
100	A139_Unbiased	1.587	1.462	0.125
100	B60_Unbiased	1.770	0.314	1.456
100	B61_Unbiased	1.429	1.040	0.389
100	B69_Unbiased	1.770	1.557	0.213
100	B70_Unbiased	1.429	1.579	-0.150
100	B71_Unbiased	1.678	1.656	0.022
100	B72_Unbiased	1.013	0.909	0.104
100	B73_Unbiased	1.721	1.545	0.176
100	B74_Unbiased	2.168	2.109	0.059
100	B77_Unbiased	1.207	1.172	0.035
100	B78_Unbiased	1.574	1.634	-0.060
100	B79_Unbiased	1.771	1.773	-0.002
100	B80_Unbiased	1.667	1.778	-0.111
100	C70_Unbiased	1.793	1.580	0.213
100	C71_Unbiased	1.471	1.369	0.102
100	C72_Unbiased	1.179	1.289	-0.111
100	C73_Unbiased	1.472	1.316	0.156
100	C75_Unbiased	1.716	1.590	0.125
100	C76_Unbiased	0.998	1.012	-0.014
100	C79_Unbiased	1.946	0.865	1.082
	Max	2.222	2.193	1.456
	Average	1.506	1.514	-0.008
	Min	0.883	0.314	-0.405
	Std Dev	0.288	0.335	0.211

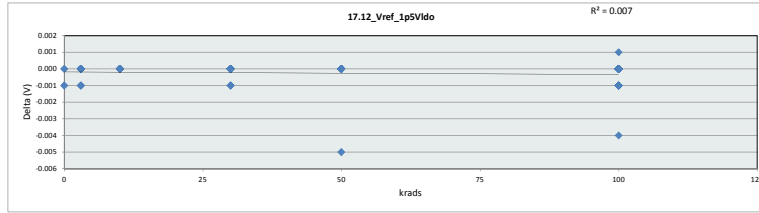


17.11_VoVref_delta_1p35Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.593	1.430	1.161	0.846	0.927	0.314
Average	1.617	1.625	1.615	1.600	1.373	1.474
Max	1.642	1.808	2.088	2.193	1.877	2.109
UL	6.000	6.000	6.000	6.000	6.000	6.000

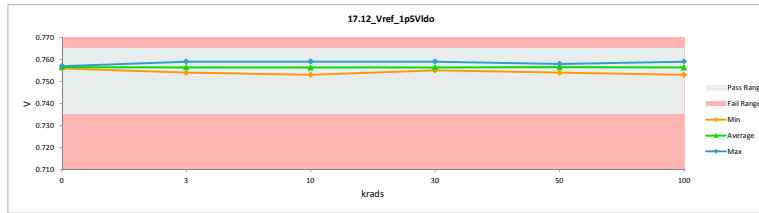


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17.12_Vref_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V			
Max Limit	0.765	0.765		
Min Limit	0.735	0.735		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.756	0.756	0.000
3	A116_Biased	0.757	0.757	0.000
3	A117_Biased	0.756	0.756	0.000
3	B36_Biased	0.756	0.756	0.000
3	B37_Biased	0.757	0.757	0.000
3	C39_Biased	0.756	0.756	0.000
3	A118_Unbiased	0.758	0.759	-0.001
3	A140_Unbiased	0.756	0.757	-0.001
3	B38_Unbiased	0.757	0.757	0.000
3	B39_Unbiased	0.754	0.754	0.000
3	C40_Unbiased	0.755	0.755	0.000
10	A119_Biased	0.757	0.757	0.000
10	A120_Biased	0.759	0.759	0.000
10	B40_Biased	0.755	0.755	0.000
10	C41_Biased	0.757	0.757	0.000
10	C42_Biased	0.759	0.759	0.000
10	A121_Unbiased	0.755	0.755	0.000
10	A124_Unbiased	0.753	0.753	0.000
10	B41_Unbiased	0.758	0.758	0.000
10	C43_Unbiased	0.755	0.755	0.000
10	C44_Unbiased	0.755	0.755	0.000
30	A125_Biased	0.757	0.757	0.000
30	B42_Biased	0.755	0.755	0.000
30	B43_Biased	0.757	0.757	0.000
30	C45_Biased	0.758	0.758	0.000
30	C46_Biased	0.755	0.755	0.000
30	A127_Unbiased	0.756	0.757	-0.001
30	B45_Unbiased	0.755	0.755	0.000
30	B47_Unbiased	0.758	0.759	-0.001
30	C47_Unbiased	0.756	0.756	0.000
30	C50_Unbiased	0.755	0.755	0.000
50	A128_Biased	0.757	0.757	0.000
50	A129_Biased	0.758	0.758	0.000
50	B48_Biased	0.755	0.755	0.000
50	B49_Biased	0.757	0.757	0.000
50	C51_Biased	0.758	0.758	0.000
50	A130_Unbiased	0.754	0.754	0.000
50	A131_Unbiased	0.756	0.756	0.000
50	B50_Unbiased	0.756	0.756	0.000
50	B51_Unbiased	0.758	-0.005	0.000
50	C53_Unbiased	0.756	0.756	0.000
0	106_Corr	0.756	0.757	-0.001
100	A132_Biased	0.756	0.757	-0.001
100	A134_Biased	0.755	0.756	-0.001
100	A135_Biased	0.756	0.756	0.000
100	B52_Biased	0.753	0.753	0.000
100	B54_Biased	0.755	0.755	0.000
100	B55_Biased	0.756	0.757	-0.001
100	B56_Biased	0.758	0.758	0.000
100	B57_Biased	0.758	0.758	0.000
100	B59_Biased	0.754	0.755	-0.001
100	B62_Biased	0.757	0.757	0.000
100	B63_Biased	0.756	0.756	0.000
100	B64_Biased	0.758	0.758	0.000
100	B66_Biased	0.756	0.756	0.000
100	B68_Biased	0.756	0.757	-0.001
100	C54_Biased	0.755	0.755	0.000
100	C55_Biased	0.756	0.756	0.000
100	C56_Biased	0.757	0.758	-0.001
100	C57_Biased	0.756	0.757	-0.001
100	C58_Biased	0.756	0.756	0.000
100	C59_Biased	0.757	0.758	-0.001
100	C65_Biased	0.755	0.756	-0.001
100	C67_Biased	0.757	0.757	0.000
100	A122_Unbiased	0.758	0.758	0.000
100	A138_Unbiased	0.757	0.757	0.000
100	A139_Unbiased	0.756	0.756	0.000
100	B60_Unbiased	0.755	0.759	-0.004
100	B61_Unbiased	0.757	0.757	0.000
100	B69_Unbiased	0.755	0.755	0.000
100	B70_Unbiased	0.757	0.757	0.000
100	B71_Unbiased	0.755	0.755	0.000
100	B72_Unbiased	0.756	0.756	0.000
100	B73_Unbiased	0.755	0.754	0.001
100	B74_Unbiased	0.754	0.754	0.000
100	B77_Unbiased	0.756	0.756	0.000
100	B78_Unbiased	0.756	0.756	0.000
100	B79_Unbiased	0.755	0.756	-0.001
100	B80_Unbiased	0.756	0.756	0.000
100	C70_Unbiased	0.754	0.754	0.000
100	C71_Unbiased	0.757	0.757	0.000
100	C72_Unbiased	0.756	0.756	0.000
100	C73_Unbiased	0.755	0.755	0.000
100	C75_Unbiased	0.756	0.757	-0.001
100	C76_Unbiased	0.759	0.759	0.000
100	C79_Unbiased	0.757	0.757	0.000
	Max	0.759	0.759	0.001
	Average	0.756	0.756	0.000
	Min	0.753	0.753	-0.005
	Std Dev	0.001	0.001	0.001

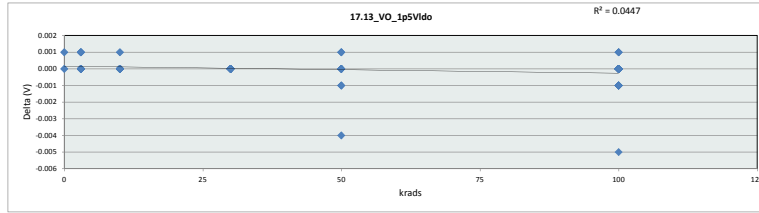


17.12_Vref_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.735	V				
krads	0	3	10	30	50	100
LL	0.735	0.735	0.735	0.735	0.735	0.735
Min	0.756	0.754	0.753	0.755	0.754	0.753
Average	0.757	0.756	0.756	0.756	0.757	0.756
Max	0.757	0.759	0.759	0.759	0.758	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765

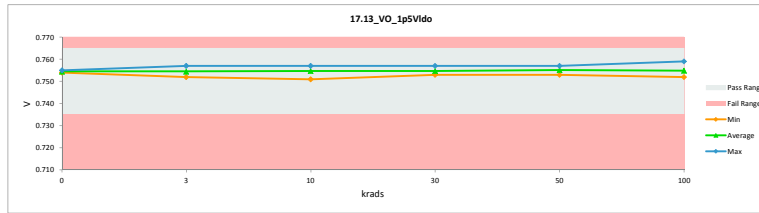


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17.13_VO_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.735	0.735		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.755	0.754	0.001
3	A116_Biased	0.756	0.755	0.001
3	A117_Biased	0.754	0.754	0.000
3	B36_Biased	0.755	0.754	0.001
3	B37_Biased	0.755	0.755	0.000
3	C39_Biased	0.754	0.754	0.000
3	A118_Unbiased	0.757	0.757	0.000
3	A140_Unbiased	0.755	0.755	0.000
3	B38_Unbiased	0.756	0.756	0.000
3	B39_Unbiased	0.752	0.752	0.000
3	C40_Unbiased	0.754	0.753	0.001
10	A119_Biased	0.755	0.755	0.000
10	A120_Biased	0.757	0.757	0.000
10	B40_Biased	0.754	0.754	0.000
10	C41_Biased	0.756	0.755	0.001
10	C42_Biased	0.757	0.757	0.000
10	A121_Unbiased	0.754	0.754	0.000
10	A124_Unbiased	0.751	0.751	0.000
10	B41_Unbiased	0.757	0.757	0.000
10	C43_Unbiased	0.753	0.753	0.000
10	C44_Unbiased	0.754	0.754	0.000
30	A125_Biased	0.755	0.755	0.000
30	B42_Biased	0.753	0.753	0.000
30	B43_Biased	0.755	0.755	0.000
30	C45_Biased	0.757	0.757	0.000
30	C46_Biased	0.754	0.754	0.000
30	A127_Unbiased	0.755	0.755	0.000
30	B45_Unbiased	0.753	0.753	0.000
30	B47_Unbiased	0.757	0.757	0.000
30	C47_Unbiased	0.754	0.754	0.000
30	C50_Unbiased	0.754	0.754	0.000
50	A128_Biased	0.756	0.756	0.000
50	A129_Biased	0.757	0.757	0.000
50	B48_Biased	0.753	0.754	-0.001
50	B49_Biased	0.755	0.756	-0.001
50	C51_Biased	0.757	0.756	0.001
50	A130_Unbiased	0.753	0.753	0.000
50	A131_Unbiased	0.755	0.754	0.001
50	B50_Unbiased	0.755	0.755	0.000
50	B51_Unbiased	0.752	0.756	-0.004
50	C53_Unbiased	0.755	0.755	0.000
0	106_Corr	0.755	0.755	0.000
100	A132_Biased	0.755	0.756	-0.001
100	A134_Biased	0.753	0.754	-0.001
100	A135_Biased	0.754	0.755	-0.001
100	B52_Biased	0.752	0.752	0.000
100	B54_Biased	0.754	0.754	0.000
100	B55_Biased	0.755	0.755	0.000
100	B56_Biased	0.756	0.757	-0.001
100	B57_Biased	0.757	0.757	0.000
100	B59_Biased	0.752	0.753	-0.001
100	B62_Biased	0.756	0.756	0.000
100	B63_Biased	0.755	0.755	0.000
100	B64_Biased	0.757	0.756	0.001
100	B66_Biased	0.755	0.755	0.000
100	B68_Biased	0.755	0.755	0.000
100	C54_Biased	0.754	0.753	0.001
100	C55_Biased	0.754	0.754	0.000
100	C56_Biased	0.756	0.756	0.000
100	C57_Biased	0.755	0.755	0.000
100	C58_Biased	0.754	0.754	0.000
100	C59_Biased	0.756	0.756	0.000
100	C65_Biased	0.754	0.754	0.000
100	C67_Biased	0.756	0.756	0.000
100	A122_Unbiased	0.756	0.756	0.000
100	A138_Unbiased	0.755	0.756	-0.001
100	A139_Unbiased	0.754	0.754	0.000
100	B60_Unbiased	0.754	0.754	-0.005
100	B61_Unbiased	0.755	0.756	-0.001
100	B69_Unbiased	0.754	0.754	0.000
100	B70_Unbiased	0.755	0.755	0.000
100	B71_Unbiased	0.754	0.753	0.001
100	B72_Unbiased	0.755	0.755	0.000
100	B73_Unbiased	0.753	0.753	0.000
100	B74_Unbiased	0.752	0.752	0.000
100	B77_Unbiased	0.754	0.754	0.000
100	B78_Unbiased	0.754	0.754	0.000
100	B79_Unbiased	0.754	0.754	0.000
100	B80_Unbiased	0.754	0.754	0.000
100	C70_Unbiased	0.752	0.752	0.000
100	C71_Unbiased	0.755	0.755	0.000
100	C72_Unbiased	0.755	0.755	0.000
100	C73_Unbiased	0.753	0.754	-0.001
100	C75_Unbiased	0.755	0.755	0.000
100	C76_Unbiased	0.758	0.758	0.000
100	C79_Unbiased	0.756	0.756	0.000
	Max	0.758	0.759	0.001
	Average	0.755	0.755	0.000
	Min	0.751	0.751	-0.005
	Std Dev	0.001	0.001	0.001

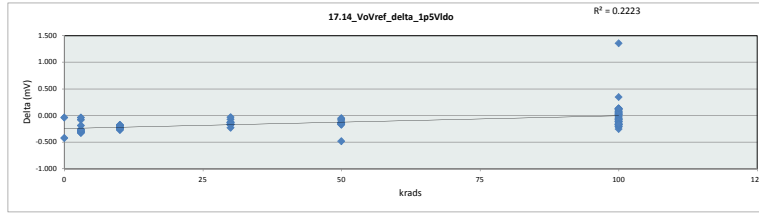


17.13_VO_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.735	V				
krads	0	3	10	30	50	100
LL	0.735	0.735	0.735	0.735	0.735	0.735
Min	0.754	0.752	0.751	0.753	0.753	0.752
Average	0.755	0.755	0.755	0.755	0.755	0.755
Max	0.755	0.757	0.757	0.757	0.757	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765

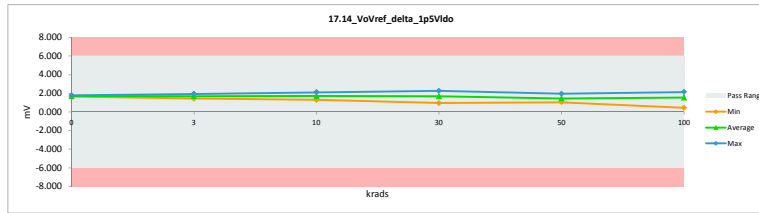


TID 100krad HDR Report
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17.14_VovRef_delta_1p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.367	1.790	-0.423
3	A116_Biased	1.237	1.539	-0.302
3	A117_Biased	1.601	1.901	-0.300
3	B36_Biased	1.465	1.795	-0.330
3	B37_Biased	1.421	1.682	-0.260
3	C39_Biased	1.621	1.941	-0.320
3	A118_Unbiased	1.499	1.780	-0.281
3	A140_Unbiased	1.367	1.448	-0.081
3	B38_Unbiased	1.366	1.555	-0.189
3	B39_Unbiased	1.669	1.707	-0.038
3	C40_Unbiased	1.353	1.623	-0.270
10	A119_Biased	1.849	2.092	-0.243
10	A120_Biased	1.974	1.946	-0.272
10	B40_Biased	1.460	1.649	-0.189
10	C41_Biased	1.539	1.797	-0.258
10	C42_Biased	1.314	1.560	-0.246
10	A121_Unbiased	1.173	1.404	-0.231
10	A124_Unbiased	1.543	1.719	-0.176
10	B41_Unbiased	1.454	1.666	-0.212
10	C43_Unbiased	1.930	2.114	-0.184
10	C44_Unbiased	1.066	1.292	-0.226
30	A125_Biased	1.721	1.897	-0.176
30	B42_Biased	2.125	2.257	-0.132
30	B43_Biased	1.768	1.903	-0.134
30	C45_Biased	1.357	1.522	-0.164
30	C46_Biased	1.240	1.412	-0.172
30	A127_Unbiased	1.638	1.748	-0.130
30	B45_Unbiased	1.702	1.776	-0.074
30	B47_Unbiased	1.318	1.487	-0.169
30	C47_Unbiased	1.595	1.825	-0.230
30	C50_Unbiased	0.924	0.961	-0.037
50	A128_Biased	1.104	1.250	-0.146
50	A129_Biased	1.376	1.507	-0.131
50	B48_Biased	1.639	1.724	-0.086
50	B49_Biased	1.335	1.386	-0.051
50	C51_Biased	1.726	1.282	-0.156
50	A130_Unbiased	1.590	1.765	-0.175
50	A131_Unbiased	1.248	1.420	-0.172
50	B50_Unbiased	1.173	1.240	-0.068
50	B51_Unbiased	1.468	1.950	-0.482
50	C53_Unbiased	0.911	1.044	-0.133
0	106_Corr	1.597	1.640	-0.043
100	A132_Biased	1.011	0.951	0.061
100	A134_Biased	2.147	2.125	0.022
100	A135_Biased	1.675	1.796	-0.121
100	B52_Biased	1.504	1.524	-0.020
100	B54_Biased	1.637	1.759	-0.122
100	B55_Biased	1.669	1.723	-0.053
100	B56_Biased	1.186	1.261	-0.075
100	B57_Biased	1.016	1.134	-0.118
100	B59_Biased	1.883	2.000	-0.117
100	B62_Biased	1.362	1.533	-0.171
100	B63_Biased	1.713	1.929	-0.215
100	B64_Biased	1.745	1.948	-0.203
100	B66_Biased	1.474	1.348	0.127
100	B68_Biased	1.580	1.747	-0.167
100	C54_Biased	1.690	1.648	0.042
100	C55_Biased	1.983	2.147	-0.164
100	C56_Biased	1.340	1.253	0.088
100	C57_Biased	1.703	1.914	-0.211
100	C58_Biased	1.797	1.783	0.014
100	C59_Biased	1.721	1.791	-0.070
100	C65_Biased	1.273	1.151	0.122
100	C67_Biased	1.288	1.178	0.110
100	A122_Unbiased	1.987	1.919	0.068
100	A138_Unbiased	1.539	1.513	0.027
100	A139_Unbiased	1.597	1.590	0.007
100	B60_Unbiased	1.789	0.435	1.354
100	B61_Unbiased	1.383	1.040	0.342
100	B69_Unbiased	1.789	1.668	0.121
100	B70_Unbiased	1.383	1.640	-0.258
100	B71_Unbiased	1.705	1.754	-0.049
100	B72_Unbiased	1.044	1.057	-0.013
100	B73_Unbiased	1.660	1.527	0.133
100	B74_Unbiased	2.075	2.138	-0.063
100	B77_Unbiased	1.214	1.291	-0.077
100	B78_Unbiased	1.596	1.763	-0.167
100	B79_Unbiased	1.789	1.882	-0.094
100	B80_Unbiased	1.688	1.883	-0.195
100	C70_Unbiased	1.741	1.633	0.108
100	C71_Unbiased	1.400	1.369	0.031
100	C72_Unbiased	1.183	1.339	-0.156
100	C73_Unbiased	1.481	1.434	0.047
100	C75_Unbiased	1.696	1.625	0.071
100	C76_Unbiased	0.999	1.163	-0.164
100	C79_Unbiased	1.322	0.924	0.398
	Max	2.147	2.257	1.354
	Average	1.501	1.596	-0.095
	Min	0.911	0.435	-0.482
	Std Dev	0.280	0.332	0.211

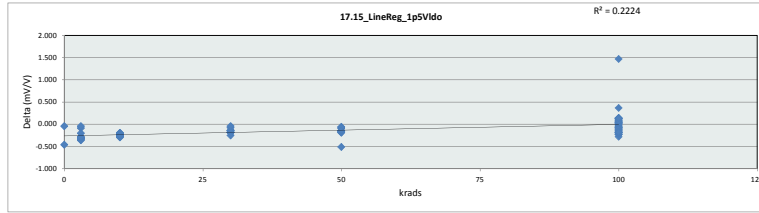


17.14_VovRef_delta_1p5Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.640	1.448	1.292	0.961	1.044	0.435
Average	1.715	1.697	1.724	1.681	1.457	1.550
Max	1.790	1.941	2.114	2.257	1.950	2.147
UL	6.000	6.000	6.000	6.000	6.000	6.000

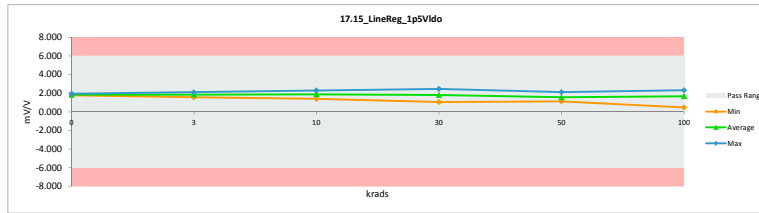


TID 100krad HDR Report
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17_15_LineReg_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.478	1.937	-0.459
3	A116_Biased	1.337	1.664	-0.327
3	A117_Biased	1.734	2.059	-0.325
3	B36_Biased	1.585	1.942	-0.358
3	B37_Biased	1.537	1.818	-0.281
3	C39_Unbiased	1.754	2.101	-0.348
3	A118_Unbiased	1.617	1.920	-0.303
3	A140_Unbiased	1.478	1.566	-0.088
3	B38_Unbiased	1.476	1.680	-0.204
3	B39_Unbiased	1.811	1.852	-0.041
3	C40_Unbiased	1.466	1.758	-0.293
10	A119_Biased	1.998	2.261	-0.263
10	A120_Biased	1.805	2.099	-0.294
10	B40_Biased	1.582	1.785	-0.204
10	C41_Biased	1.663	1.942	-0.280
10	C42_Biased	1.416	1.682	-0.266
10	A121_Unbiased	1.270	1.521	-0.250
10	A124_Unbiased	1.677	1.868	-0.191
10	B41_Unbiased	1.569	1.798	-0.229
10	C43_Unbiased	2.092	2.293	-0.201
10	C44_Unbiased	1.154	1.400	-0.245
30	A125_Biased	1.851	2.052	-0.190
30	B42_Biased	2.303	2.447	-0.143
30	B43_Biased	1.912	2.057	-0.145
30	C45_Biased	1.464	1.641	-0.178
30	C46_Biased	1.343	1.530	-0.187
30	A127_Unbiased	1.772	1.912	-0.140
30	B45_Unbiased	1.845	1.925	-0.080
30	B47_Unbiased	1.422	1.604	-0.182
30	C47_Unbiased	1.726	1.975	-0.249
30	C50_Unbiased	1.009	1.040	-0.040
50	A128_Biased	1.191	1.350	-0.158
50	A129_Biased	1.485	1.627	-0.141
50	B48_Biased	1.776	1.868	-0.092
50	B49_Biased	1.442	1.497	-0.055
50	C51_Biased	1.214	1.383	-0.169
50	A130_Unbiased	1.725	1.914	-0.190
50	A131_Unbiased	1.350	1.537	-0.187
50	B50_Unbiased	1.268	1.341	-0.073
50	B51_Unbiased	1.594	2.105	-0.511
50	C53_Unbiased	0.985	1.129	-0.144
0	106_Corr	1.727	1.773	-0.046
100	A132_Biased	1.094	1.027	0.067
100	A134_Biased	2.329	2.302	0.027
100	A135_Biased	1.813	1.943	-0.131
100	B52_Biased	1.634	1.655	-0.021
100	B54_Biased	1.773	1.905	-0.132
100	B55_Biased	1.806	1.862	-0.056
100	B56_Biased	1.280	1.361	-0.081
100	B57_Biased	1.096	1.223	-0.127
100	B59_Biased	2.043	2.169	-0.126
100	B62_Biased	1.472	1.657	-0.185
100	B63_Biased	1.853	2.087	-0.234
100	B64_Biased	1.882	2.102	-0.220
100	B66_Biased	1.594	1.458	0.137
100	B68_Biased	1.709	1.889	-0.180
100	C54_Biased	1.831	1.785	0.045
100	C55_Biased	2.147	2.323	-0.177
100	C56_Biased	1.447	1.352	0.095
100	C57_Biased	1.842	2.070	-0.229
100	C58_Biased	1.945	1.929	0.016
100	C59_Biased	1.859	1.934	-0.075
100	C65_Biased	1.378	1.246	0.132
100	C67_Biased	1.392	1.272	0.119
100	A122_Unbiased	2.145	2.071	0.074
100	A138_Unbiased	1.663	1.634	0.029
100	A139_Unbiased	1.728	1.720	0.008
100	B60_Unbiased	1.938	1.468	1.469
100	B61_Unbiased	1.495	1.123	0.371
100	B69_Unbiased	1.938	1.806	0.131
100	B70_Unbiased	1.495	1.774	-0.280
100	B71_Unbiased	1.848	1.931	-0.083
100	B72_Unbiased	1.130	1.144	-0.014
100	B73_Unbiased	1.800	1.656	0.145
100	B74_Unbiased	2.251	2.320	-0.069
100	B77_Unbiased	1.313	1.397	-0.084
100	B78_Unbiased	1.727	1.908	-0.181
100	B79_Unbiased	1.937	2.039	-0.101
100	B80_Unbiased	1.828	2.040	-0.212
100	C70_Unbiased	1.890	1.773	0.117
100	C71_Unbiased	1.513	1.480	0.034
100	C72_Unbiased	1.279	1.448	-0.169
100	C73_Unbiased	1.604	1.553	0.051
100	C75_Unbiased	1.834	1.757	0.077
100	C76_Unbiased	1.076	1.253	-0.177
100	C79_Unbiased	1.114	0.975	0.139
	Max	2.329	2.447	1.469
	Average	1.624	1.726	-0.102
	Min	0.985	0.468	-0.511
	Std Dev	0.304	0.360	0.228

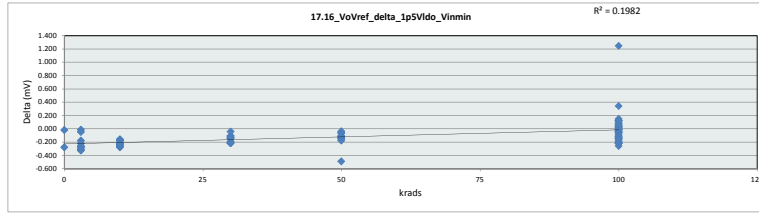


17_15_LineReg_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV/V				
Min Limit	-6	mV/V				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.773	1.566	1.400	1.040	1.129	0.469
Average	1.855	1.836	1.865	1.818	1.575	1.677
Max	1.937	2.101	2.293	2.447	2.105	2.323
UL	6.000	6.000	6.000	6.000	6.000	6.000

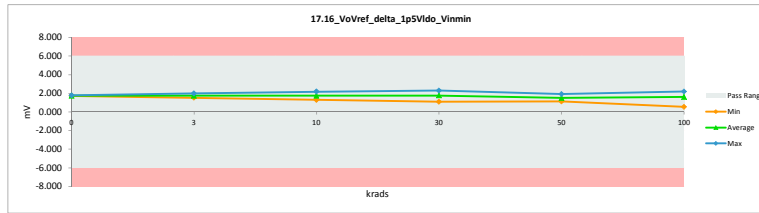


TID 100krad HDR Report
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17.16_VoVref_delta_1p5VIdo_Vin				
Test Site	Dallas, TX	Dallas, TX		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.507	1.784	-0.277
3	A116_Biased	1.307	1.583	-0.276
3	A117_Biased	1.664	1.954	-0.290
3	B36_Biased	1.490	1.808	-0.317
3	B37_Biased	1.466	1.728	-0.262
3	C39_Biased	1.671	1.995	-0.325
3	A118_Unbiased	1.527	1.794	-0.267
3	A140_Unbiased	1.507	1.524	-0.016
3	B38_Unbiased	1.425	1.605	-0.180
3	B39_Unbiased	1.680	1.731	-0.051
3	C40_Unbiased	1.457	1.681	-0.224
10	A119_Biased	1.849	2.126	-0.277
10	A120_Biased	1.645	1.927	-0.282
10	B40_Biased	1.467	1.635	-0.168
10	C41_Biased	1.558	1.795	-0.238
10	C42_Unbiased	1.399	1.648	-0.249
10	A121_Unbiased	1.274	1.449	-0.174
10	A124_Unbiased	1.461	1.620	-0.159
10	B41_Unbiased	1.551	1.766	-0.216
10	C43_Unbiased	1.997	2.178	-0.182
10	C44_Unbiased	1.084	1.310	-0.226
30	A125_Biased	1.858	2.056	-0.218
30	B42_Biased	2.082	2.300	-0.218
30	B43_Biased	1.827	1.961	-0.134
30	C45_Biased	1.444	1.637	-0.193
30	C46_Unbiased	1.358	1.510	-0.151
30	A127_Unbiased	1.727	1.840	-0.113
30	B45_Unbiased	1.664	1.773	-0.108
30	B47_Unbiased	1.432	1.570	-0.138
30	C47_Unbiased	1.646	1.860	-0.214
30	C50_Unbiased	1.063	1.105	-0.043
50	A128_Biased	1.130	1.265	-0.135
50	A129_Biased	1.527	1.633	-0.106
50	B48_Biased	1.692	1.755	-0.062
50	B49_Biased	1.425	1.465	-0.040
50	C51_Biased	1.884	1.928	-0.044
50	A130_Unbiased	1.555	1.710	-0.155
50	A131_Unbiased	1.289	1.469	-0.179
50	B50_Unbiased	1.232	1.301	-0.069
50	B51_Unbiased	1.435	1.926	-0.491
50	C53_Unbiased	1.015	1.136	-0.122
0	106_Corr	1.711	1.731	-0.020
100	A132_Biased	1.167	1.136	0.031
100	A134_Biased	2.174	2.189	-0.015
100	A135_Biased	1.645	1.815	-0.149
100	B52_Biased	1.476	1.471	0.005
100	B54_Biased	1.673	1.783	-0.111
100	B55_Biased	1.664	1.700	-0.036
100	B56_Biased	1.235	1.293	-0.058
100	B57_Biased	1.073	1.211	-0.138
100	B59_Biased	1.890	2.024	-0.135
100	B62_Biased	1.475	1.698	-0.223
100	B63_Biased	1.878	2.094	-0.216
100	B64_Biased	1.870	2.076	-0.206
100	B66_Biased	1.492	1.505	-0.013
100	B68_Biased	1.548	1.765	-0.217
100	C54_Biased	1.714	1.689	0.025
100	C55_Biased	1.970	2.092	-0.122
100	C56_Biased	1.220	1.275	0.045
100	C57_Biased	1.744	1.937	-0.194
100	C58_Biased	1.756	1.803	-0.048
100	C59_Biased	1.749	1.803	-0.054
100	C65_Biased	1.296	1.134	0.114
100	C67_Biased	1.337	1.213	0.124
100	A122_Unbiased	2.002	1.939	0.063
100	A138_Unbiased	1.572	1.546	0.026
100	A139_Unbiased	1.577	1.560	0.016
100	B60_Unbiased	1.791	0.549	1.242
100	B61_Unbiased	1.425	1.083	0.342
100	B69_Unbiased	1.791	1.640	0.151
100	B70_Unbiased	1.425	1.686	-0.261
100	B71_Unbiased	1.876	1.818	-0.032
100	B72_Unbiased	1.099	1.111	-0.012
100	B73_Unbiased	1.688	1.562	0.126
100	B74_Unbiased	2.051	2.115	-0.064
100	B77_Unbiased	1.391	1.477	-0.086
100	B78_Unbiased	1.593	1.767	-0.174
100	B79_Unbiased	1.771	1.881	-0.110
100	B80_Unbiased	1.777	1.998	-0.222
100	C70_Unbiased	1.776	1.679	0.098
100	C71_Unbiased	1.441	1.408	0.033
100	C72_Unbiased	1.284	1.435	-0.151
100	C73_Unbiased	1.542	1.470	0.072
100	C75_Unbiased	1.722	1.656	0.065
100	C76_Unbiased	1.092	1.245	-0.153
100	C79_Unbiased	1.085	0.981	0.125
	Max	2.174	2.300	1.242
	Average	1.548	1.643	-0.095
	Min	1.015	0.549	-0.491
	Std Dev	0.259	0.317	0.197

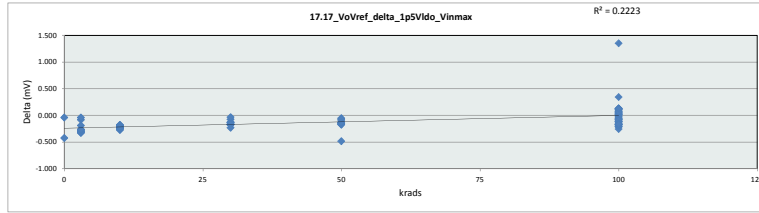


17.16_VoVref_delta_1p5VIdo_Vin						
Test Site	Dallas, TX					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.731	1.524	1.310	1.105	1.136	0.549
Average	1.757	1.740	1.745	1.761	1.499	1.599
Max	1.784	1.996	2.178	2.300	1.926	2.189
UL	6.000	6.000	6.000	6.000	6.000	6.000

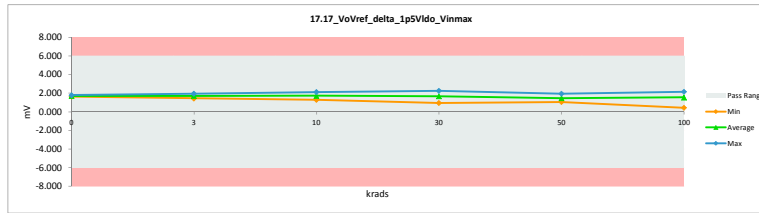


TID 100krad HDR Report
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17_17_VoVref_delta_1p5VIdo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.367	1.790	-0.423
3	A116_Biased	1.237	1.539	-0.302
3	A117_Biased	1.601	1.901	-0.300
3	B36_Biased	1.465	1.795	-0.330
3	B37_Biased	1.421	1.682	-0.260
3	C39_Biased	1.621	1.941	-0.320
3	A118_Unbiased	1.499	1.780	-0.281
3	A140_Unbiased	1.367	1.448	-0.081
3	B38_Unbiased	1.366	1.555	-0.189
3	B39_Unbiased	1.669	1.707	-0.038
3	C40_Unbiased	1.353	1.623	-0.270
10	A119_Biased	1.849	2.092	-0.243
10	A120_Biased	1.974	1.946	-0.272
10	B40_Biased	1.460	1.649	-0.189
10	C41_Biased	1.539	1.797	-0.258
10	C42_Biased	1.314	1.560	-0.246
10	A121_Unbiased	1.173	1.404	-0.231
10	A124_Unbiased	1.543	1.719	-0.176
10	B41_Unbiased	1.454	1.666	-0.212
10	C43_Unbiased	1.930	2.114	-0.184
10	C44_Unbiased	1.066	1.292	-0.226
30	A125_Biased	1.721	1.997	-0.176
30	B42_Biased	2.125	2.257	-0.132
30	B43_Biased	1.768	1.903	-0.134
30	C45_Biased	1.357	1.522	-0.164
30	C46_Biased	1.240	1.412	-0.172
30	A127_Unbiased	1.638	1.768	-0.130
30	B45_Unbiased	1.702	1.776	-0.074
30	B47_Unbiased	1.318	1.487	-0.169
30	C47_Unbiased	1.595	1.825	-0.230
30	C50_Unbiased	0.924	0.961	-0.037
50	A128_Biased	1.104	1.250	-0.146
50	A129_Biased	1.376	1.507	-0.131
50	B48_Biased	1.639	1.724	-0.086
50	B49_Biased	1.335	1.386	-0.051
50	C51_Biased	1.126	1.282	-0.156
50	A130_Unbiased	1.590	1.765	-0.175
50	A131_Unbiased	1.248	1.420	-0.172
50	B50_Unbiased	1.173	1.240	-0.068
50	B51_Unbiased	1.468	1.950	-0.482
50	C53_Unbiased	0.911	1.044	-0.133
0	106_Corr	1.597	1.640	-0.043
100	A132_Biased	1.011	0.951	0.061
100	A134_Biased	2.147	2.125	0.022
100	A135_Biased	1.676	1.796	-0.121
100	B52_Biased	1.504	1.524	-0.020
100	B54_Biased	1.637	1.759	-0.122
100	B55_Biased	1.669	1.723	-0.053
100	B56_Biased	1.186	1.261	-0.075
100	B57_Biased	1.016	1.134	-0.118
100	B59_Biased	1.883	2.000	-0.117
100	B62_Biased	1.362	1.533	-0.171
100	B63_Biased	1.713	1.929	-0.215
100	B64_Biased	1.745	1.948	-0.203
100	B66_Biased	1.474	1.348	0.127
100	B68_Biased	1.580	1.747	-0.167
100	C54_Biased	1.690	1.648	0.042
100	C55_Biased	1.983	2.147	-0.164
100	C56_Biased	1.340	1.253	0.088
100	C57_Biased	1.703	1.914	-0.211
100	C58_Biased	1.797	1.783	0.014
100	C59_Biased	1.721	1.791	-0.070
100	C65_Biased	1.723	1.931	-0.122
100	C67_Biased	1.288	1.178	0.110
100	A122_Unbiased	1.987	1.919	0.068
100	A138_Unbiased	1.539	1.513	0.027
100	A139_Unbiased	1.597	1.590	0.007
100	B60_Unbiased	1.789	0.435	1.354
100	B61_Unbiased	1.383	1.040	0.342
100	B69_Unbiased	1.789	1.668	0.121
100	B70_Unbiased	1.383	1.640	-0.258
100	B71_Unbiased	1.705	1.754	-0.049
100	B72_Unbiased	1.044	1.057	-0.013
100	B73_Unbiased	1.660	1.527	0.133
100	B74_Unbiased	2.075	2.138	-0.063
100	B77_Unbiased	1.214	1.291	-0.077
100	B78_Unbiased	1.596	1.763	-0.167
100	B79_Unbiased	1.789	1.882	-0.094
100	B80_Unbiased	1.688	1.883	-0.195
100	C70_Unbiased	1.741	1.633	0.108
100	C71_Unbiased	1.400	1.369	0.031
100	C72_Unbiased	1.183	1.339	-0.156
100	C73_Unbiased	1.481	1.434	0.047
100	C75_Unbiased	1.696	1.625	0.071
100	C76_Unbiased	0.999	1.163	-0.164
100	C79_Unbiased	1.032	0.924	0.108
	Max	2.147	2.257	1.354
	Average	1.501	1.596	-0.095
	Min	0.911	0.435	-0.482
	Std Dev	0.280	0.332	0.211

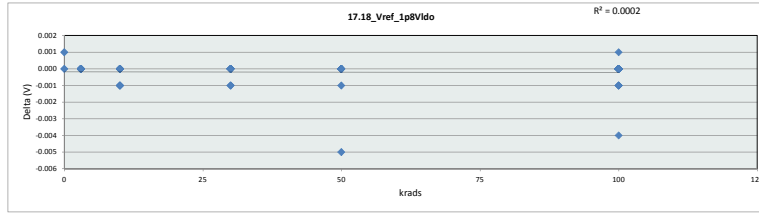


17_17_VoVref_delta_1p5VIdo_Vin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	LL	Min	Average	Max	UL	Pass Range
0	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
3	1.640	1.448	1.292	0.961	1.044	0.435
10	1.715	1.697	1.724	1.681	1.457	1.550
30	1.790	1.941	2.114	2.257	1.950	2.147
50	6.000	6.000	6.000	6.000	6.000	6.000

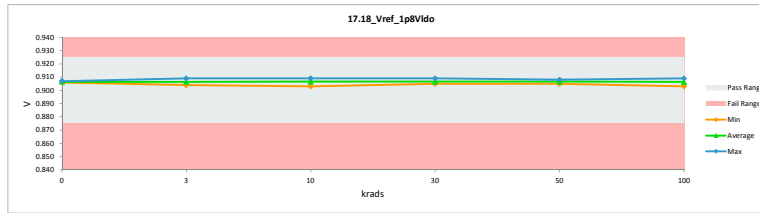


TID 100krad HDR Report
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17.18_Vref_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.925	0.925		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.907	0.906	0.001
3	A116_Biased	0.907	0.907	0.000
3	A117_Biased	0.906	0.906	0.000
3	B36_Biased	0.906	0.906	0.000
3	B37_Biased	0.907	0.907	0.000
3	C39_Biased	0.906	0.906	0.000
3	A118_Unbiased	0.909	0.909	0.000
3	A140_Unbiased	0.907	0.907	0.000
3	B38_Unbiased	0.907	0.907	0.000
3	B39_Unbiased	0.904	0.904	0.000
3	C40_Unbiased	0.905	0.905	0.000
10	A119_Biased	0.907	0.908	-0.001
10	A120_Biased	0.909	0.909	0.000
10	B40_Biased	0.905	0.906	-0.001
10	C41_Biased	0.907	0.907	0.000
10	C42_Biased	0.909	0.909	0.000
10	A121_Unbiased	0.905	0.905	0.000
10	A124_Unbiased	0.903	0.903	0.000
10	B41_Unbiased	0.908	0.909	-0.001
10	C43_Unbiased	0.905	0.905	0.000
10	C44_Unbiased	0.905	0.905	0.000
30	A125_Biased	0.907	0.907	0.000
30	B42_Biased	0.905	0.906	-0.001
30	B43_Biased	0.907	0.907	0.000
30	C45_Biased	0.908	0.908	0.000
30	C46_Biased	0.905	0.905	0.000
30	A127_Unbiased	0.907	0.907	0.000
30	B45_Unbiased	0.905	0.905	0.000
30	B47_Unbiased	0.909	0.909	0.000
30	C47_Unbiased	0.906	0.906	0.000
30	C50_Unbiased	0.905	0.906	-0.001
50	A128_Biased	0.907	0.907	0.000
50	A129_Biased	0.908	0.908	0.000
50	B48_Biased	0.905	0.905	0.000
50	B49_Biased	0.907	0.907	0.000
50	C51_Biased	0.908	0.908	0.000
50	A130_Unbiased	0.904	0.905	-0.001
50	A131_Unbiased	0.906	0.906	0.000
50	B50_Unbiased	0.906	0.906	0.000
50	B51_Unbiased	0.903	0.903	-0.005
50	C53_Unbiased	0.906	0.906	0.000
0	106_Corr	0.907	0.907	0.000
100	A132_Biased	0.906	0.907	-0.001
100	A134_Biased	0.905	0.906	-0.001
100	A135_Biased	0.906	0.906	0.000
100	B52_Biased	0.903	0.903	0.000
100	B54_Biased	0.905	0.905	0.000
100	B55_Biased	0.906	0.907	-0.001
100	B56_Biased	0.908	0.908	0.000
100	B57_Biased	0.908	0.908	0.000
100	B59_Biased	0.905	0.905	0.000
100	B62_Biased	0.907	0.907	0.000
100	B63_Biased	0.907	0.907	0.000
100	B64_Biased	0.909	0.908	0.001
100	B66_Biased	0.906	0.906	0.000
100	B68_Biased	0.906	0.907	-0.001
100	C54_Biased	0.905	0.905	0.000
100	C55_Biased	0.906	0.906	0.000
100	C56_Biased	0.908	0.908	0.000
100	C57_Biased	0.907	0.907	0.000
100	C58_Biased	0.906	0.906	0.000
100	C59_Biased	0.908	0.908	0.000
100	C65_Biased	0.906	0.906	0.000
100	C67_Biased	0.907	0.907	0.000
100	A122_Unbiased	0.908	0.908	0.000
100	A138_Unbiased	0.907	0.907	0.000
100	A139_Unbiased	0.906	0.906	0.000
100	B60_Unbiased	0.905	0.905	-0.004
100	B61_Unbiased	0.907	0.907	0.000
100	B69_Unbiased	0.905	0.905	0.000
100	B70_Unbiased	0.907	0.907	0.000
100	B71_Unbiased	0.905	0.905	0.000
100	B72_Unbiased	0.906	0.906	0.000
100	B73_Unbiased	0.905	0.905	0.000
100	B74_Unbiased	0.905	0.905	0.000
100	B77_Unbiased	0.906	0.906	0.000
100	B78_Unbiased	0.906	0.906	0.000
100	B79_Unbiased	0.906	0.906	0.000
100	B80_Unbiased	0.906	0.906	0.000
100	C70_Unbiased	0.904	0.904	0.000
100	C71_Unbiased	0.907	0.907	0.000
100	C72_Unbiased	0.906	0.906	0.000
100	C73_Unbiased	0.905	0.905	0.000
100	C75_Unbiased	0.907	0.907	0.000
100	C76_Unbiased	0.909	0.909	0.000
100	C78_Unbiased	0.907	0.907	0.000
	Max	0.909	0.909	0.001
	Average	0.906	0.906	0.000
	Min	0.903	0.903	-0.005
	Std Dev	0.001	0.001	0.001

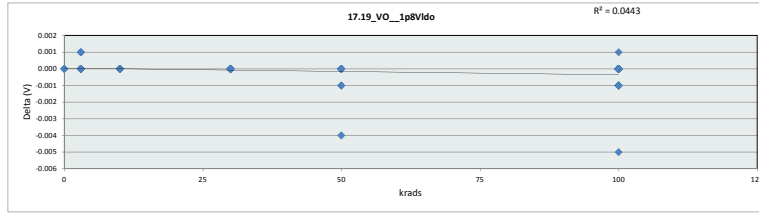


17.18_Vref_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.925	V				
Min Limit	0.875	V				
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.906	0.904	0.903	0.905	0.905	0.903
Average	0.907	0.906	0.907	0.907	0.907	0.906
Max	0.907	0.909	0.909	0.909	0.908	0.909
UL	0.925	0.925	0.925	0.925	0.925	0.925

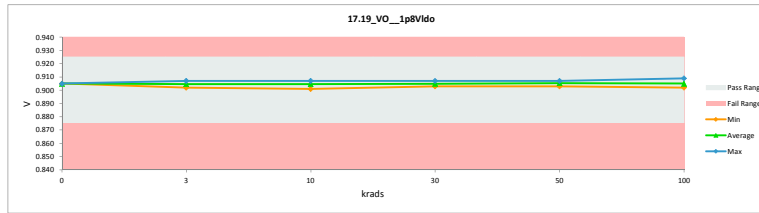


TID 100krad HDR Report
TPS7H3301-SP

17_19_VO_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.925	0.925		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.905	0.905	0.000
3	A116_Biased	0.906	0.905	0.001
3	A117_Biased	0.904	0.904	0.000
3	B36_Biased	0.905	0.905	0.000
3	B37_Biased	0.905	0.905	0.000
3	C39_Unbiased	0.904	0.904	0.000
3	A118_Unbiased	0.907	0.907	0.000
3	A140_Unbiased	0.905	0.905	0.000
3	B38_Unbiased	0.906	0.906	0.000
3	B39_Unbiased	0.902	0.902	0.000
3	C40_Unbiased	0.904	0.903	0.001
10	A119_Biased	0.905	0.905	0.000
10	A120_Biased	0.907	0.907	0.000
10	B40_Biased	0.904	0.904	0.000
10	C41_Biased	0.905	0.905	0.000
10	C42_Biased	0.907	0.907	0.000
10	A121_Unbiased	0.904	0.904	0.000
10	A124_Unbiased	0.901	0.901	0.000
10	B41_Unbiased	0.907	0.907	0.000
10	C43_Unbiased	0.903	0.903	0.000
10	C44_Unbiased	0.904	0.904	0.000
30	A125_Biased	0.905	0.905	0.000
30	B42_Biased	0.903	0.903	0.000
30	B43_Biased	0.905	0.905	0.000
30	C45_Biased	0.907	0.907	0.000
30	C46_Biased	0.904	0.904	0.000
30	A127_Unbiased	0.905	0.905	0.000
30	B45_Unbiased	0.903	0.903	0.000
30	B47_Unbiased	0.907	0.907	0.000
30	C47_Unbiased	0.904	0.904	0.000
30	C50_Unbiased	0.905	0.905	0.000
50	A128_Biased	0.906	0.906	0.000
50	A129_Biased	0.907	0.907	0.000
50	B48_Biased	0.903	0.904	-0.001
50	B49_Biased	0.905	0.906	-0.001
50	C51_Biased	0.907	0.907	0.000
50	A130_Unbiased	0.903	0.903	0.000
50	A131_Unbiased	0.905	0.905	0.000
50	B50_Unbiased	0.905	0.905	0.000
50	B51_Unbiased	0.906	0.906	0.000
50	C53_Unbiased	0.905	0.905	0.000
0	106_Corr	0.905	0.905	0.000
100	A132_Biased	0.905	0.906	-0.001
100	A134_Biased	0.903	0.904	-0.001
100	A135_Biased	0.904	0.905	-0.001
100	B52_Biased	0.902	0.902	0.000
100	B54_Biased	0.904	0.904	0.000
100	B55_Biased	0.905	0.905	0.000
100	B56_Biased	0.906	0.907	-0.001
100	B57_Biased	0.907	0.907	0.000
100	B59_Biased	0.903	0.903	0.000
100	B62_Biased	0.906	0.906	0.000
100	B63_Biased	0.905	0.905	0.000
100	B64_Biased	0.907	0.907	0.000
100	B66_Biased	0.905	0.905	0.000
100	B68_Biased	0.905	0.905	0.000
100	C54_Biased	0.904	0.904	0.000
100	C55_Biased	0.904	0.904	0.000
100	C56_Biased	0.906	0.906	0.000
100	C57_Biased	0.905	0.905	0.000
100	C58_Biased	0.904	0.904	0.000
100	C59_Biased	0.906	0.906	0.000
100	C65_Biased	0.904	0.905	-0.001
100	C67_Biased	0.906	0.906	0.000
100	A122_Unbiased	0.906	0.907	-0.001
100	A138_Unbiased	0.906	0.906	0.000
100	A139_Unbiased	0.904	0.905	-0.001
100	B60_Unbiased	0.904	0.904	0.000
100	B61_Unbiased	0.905	0.906	-0.001
100	B69_Unbiased	0.904	0.904	0.000
100	B70_Unbiased	0.905	0.905	0.000
100	B71_Unbiased	0.904	0.904	0.000
100	B72_Unbiased	0.905	0.905	0.000
100	B73_Unbiased	0.903	0.903	0.000
100	B74_Unbiased	0.902	0.902	0.000
100	B77_Unbiased	0.905	0.904	0.001
100	B78_Unbiased	0.904	0.904	0.000
100	B79_Unbiased	0.904	0.904	0.000
100	B80_Unbiased	0.904	0.904	0.000
100	C70_Unbiased	0.902	0.902	0.000
100	C71_Unbiased	0.905	0.906	-0.001
100	C72_Unbiased	0.905	0.905	0.000
100	C73_Unbiased	0.903	0.904	-0.001
100	C75_Unbiased	0.905	0.905	0.000
100	C76_Unbiased	0.908	0.908	0.000
100	C79_Unbiased	0.906	0.906	0.000
	Max	0.908	0.909	0.001
	Average	0.905	0.905	0.000
	Min	0.901	0.901	-0.005
	Std Dev	0.001	0.001	0.001

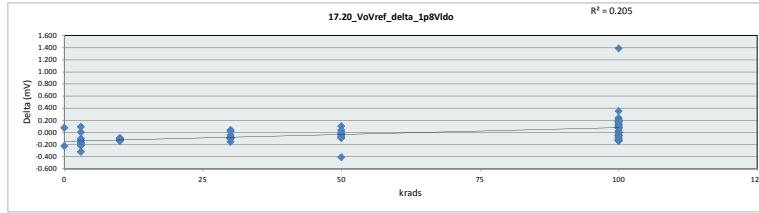


17_19_VO_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.925	V				
Min Limit	0.875	V				
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.905	0.902	0.901	0.903	0.903	0.902
Average	0.905	0.905	0.905	0.905	0.905	0.905
Max	0.905	0.907	0.907	0.907	0.907	0.909
UL	0.925	0.925	0.925	0.925	0.925	0.925

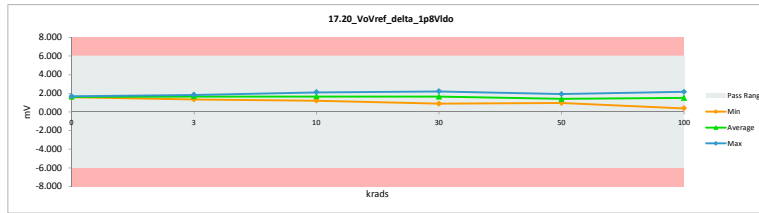


TID 100krad HDR Report
TPS7H3301-SP

17_20_Vovref_delta_1p8Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6			
Min Limit	-6			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.447	1.672	-0.225
3	A116_Biased	1.346	1.524	-0.178
3	A117_Biased	1.634	1.800	-0.166
3	B36_Biased	1.492	1.705	-0.213
3	B37_Biased	1.512	1.834	-0.322
3	C39_Biased	1.633	1.825	-0.192
3	A118_Unbiased	1.597	1.700	-0.103
3	A140_Unbiased	1.447	1.355	0.093
3	B38_Unbiased	1.466	1.594	-0.129
3	B39_Unbiased	1.685	1.686	-0.001
3	C40_Unbiased	1.370	1.584	-0.214
10	A119_Biased	1.952	2.071	-0.118
10	A120_Biased	1.715	1.837	-0.122
10	B40_Biased	1.438	1.566	-0.128
10	C41_Biased	1.680	1.791	-0.111
10	C42_Biased	1.335	1.467	-0.132
10	A121_Unbiased	1.200	1.338	-0.138
10	A124_Unbiased	1.557	1.672	-0.114
10	B41_Unbiased	1.486	1.580	-0.094
10	C43_Unbiased	1.964	2.103	-0.138
10	C44_Unbiased	1.080	1.214	-0.135
30	A125_Biased	1.564	1.924	-0.157
30	B42_Biased	2.118	2.209	-0.091
30	B43_Biased	1.814	1.918	-0.104
30	C45_Biased	1.391	1.478	-0.087
30	C46_Biased	1.254	1.348	-0.093
30	A127_Unbiased	1.695	1.771	-0.076
30	B45_Unbiased	1.766	1.730	0.037
30	B47_Unbiased	1.343	1.391	-0.048
30	C47_Unbiased	1.623	1.728	-0.105
30	C50_Unbiased	0.907	0.887	0.020
50	A128_Biased	1.193	1.282	-0.089
50	A129_Biased	1.427	1.448	-0.021
50	B48_Biased	1.628	1.660	-0.032
50	B49_Biased	1.450	1.446	0.005
50	C51_Biased	1.449	1.412	0.037
50	A130_Unbiased	1.661	1.755	-0.094
50	A131_Unbiased	1.247	1.311	-0.064
50	B50_Unbiased	1.233	1.134	0.100
50	B51_Unbiased	1.503	1.512	-0.009
50	C53_Unbiased	0.980	0.945	0.036
0	106_Corr	1.651	1.575	0.076
100	A132_Biased	1.060	0.947	0.113
100	A134_Biased	2.215	2.007	0.208
100	A135_Biased	1.679	1.724	-0.044
100	B52_Biased	1.528	1.454	0.074
100	B54_Biased	1.622	1.673	-0.050
100	B55_Biased	1.679	1.702	-0.023
100	B56_Biased	1.261	1.199	0.063
100	B57_Biased	1.038	1.100	-0.062
100	B59_Biased	1.969	1.968	0.001
100	B62_Biased	1.456	1.582	-0.126
100	B63_Biased	1.764	1.872	-0.108
100	B64_Biased	1.778	1.878	-0.100
100	B66_Biased	1.485	1.400	0.084
100	B68_Biased	1.589	1.732	-0.143
100	C54_Biased	1.683	1.601	0.082
100	C55_Biased	1.998	2.054	-0.056
100	C56_Biased	1.433	1.192	0.241
100	C57_Biased	1.733	1.874	-0.140
100	C58_Biased	1.779	1.709	0.071
100	C59_Biased	1.831	1.752	0.079
100	C65_Biased	1.284	1.051	0.233
100	C67_Biased	1.396	1.204	0.192
100	A122_Unbiased	2.029	1.846	0.183
100	A138_Unbiased	1.660	1.550	0.109
100	A139_Unbiased	1.631	1.483	0.148
100	B60_Unbiased	1.773	0.386	1.386
100	B61_Unbiased	1.434	1.083	0.352
100	B69_Unbiased	1.773	1.581	0.192
100	B70_Unbiased	1.434	1.555	-0.120
100	B71_Unbiased	1.683	1.680	0.004
100	B72_Unbiased	1.049	0.964	0.086
100	B73_Unbiased	1.730	1.554	0.176
100	B74_Unbiased	2.160	2.155	0.006
100	B77_Unbiased	1.240	1.217	0.023
100	B78_Unbiased	1.613	1.666	-0.052
100	B79_Unbiased	1.765	1.819	-0.055
100	B80_Unbiased	1.699	1.829	-0.129
100	C70_Unbiased	1.734	1.563	0.171
100	C71_Unbiased	1.511	1.377	0.134
100	C72_Unbiased	1.229	1.275	-0.046
100	C73_Unbiased	1.491	1.363	0.128
100	C75_Unbiased	1.712	1.535	0.176
100	C76_Unbiased	1.036	1.114	-0.078
100	C79_Unbiased	1.105	0.920	0.185
	Max	2.215	2.209	1.386
	Average	1.542	1.549	-0.007
	Min	0.907	0.386	-0.409
	Std Dev	0.278	0.331	0.203

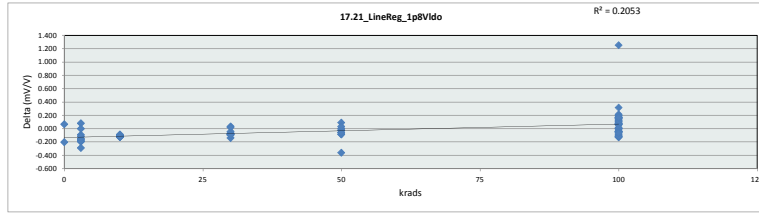


17_20_Vovref_delta_1p8Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.575	1.355	1.214	0.887	0.945	0.386
Average	1.624	1.661	1.664	1.638	1.410	1.505
Max	1.672	1.835	2.103	2.209	1.912	2.155
UL	6.000	6.000	6.000	6.000	6.000	6.000

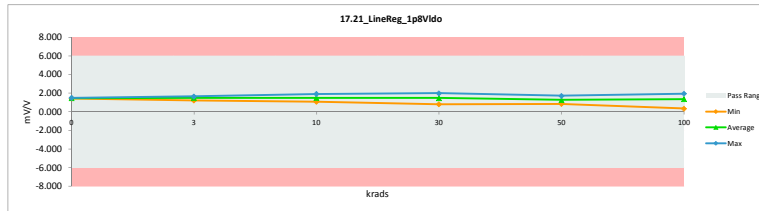


TID 100krad HDR Report
TPS7H3301-SP

17_21_LineReg_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.305	1.509	-0.204
3	A116_Biased	1.214	1.374	-0.160
3	A117_Biased	1.475	1.625	-0.150
3	B36_Biased	1.346	1.538	-0.193
3	B37_Biased	1.364	1.654	-0.291
3	C39_Biased	1.474	1.647	-0.174
3	A118_Unbiased	1.438	1.530	-0.093
3	A140_Unbiased	1.305	1.222	0.083
3	B38_Unbiased	1.321	1.437	-0.116
3	B39_Unbiased	1.525	1.525	0.000
3	C40_Unbiased	1.238	1.431	-0.193
10	A119_Biased	1.760	1.867	-0.107
10	A120_Biased	1.084	1.653	-0.110
10	B40_Biased	1.299	1.414	-0.115
10	C41_Biased	1.514	1.614	-0.100
10	C42_Biased	1.201	1.321	-0.119
10	A121_Unbiased	1.084	1.208	-0.124
10	A124_Unbiased	1.411	1.514	-0.103
10	B41_Unbiased	1.338	1.422	-0.084
10	C43_Unbiased	1.776	1.902	-0.126
10	C44_Unbiased	0.975	1.097	-0.122
30	A125_Biased	1.594	1.735	-0.141
30	B42_Biased	1.915	1.997	-0.082
30	B43_Biased	1.637	1.730	-0.093
30	C45_Biased	1.252	1.330	-0.079
30	C46_Biased	1.133	1.217	-0.084
30	A127_Unbiased	1.530	1.597	-0.068
30	B45_Unbiased	1.597	1.563	0.034
30	B47_Unbiased	1.209	1.252	-0.043
30	C47_Unbiased	1.465	1.560	-0.095
30	C50_Unbiased	0.819	0.801	0.018
50	A128_Biased	1.075	1.155	-0.080
50	A129_Biased	1.285	1.304	-0.019
50	B48_Biased	1.471	1.499	-0.028
50	B49_Biased	1.338	1.303	0.005
50	C51_Biased	1.035	1.091	-0.056
50	A130_Unbiased	1.502	1.587	-0.085
50	A131_Unbiased	1.126	1.183	-0.058
50	B50_Unbiased	1.113	1.022	0.090
50	B51_Unbiased	1.360	1.722	-0.362
50	C53_Unbiased	0.884	0.852	0.032
0	106_Corr	1.489	1.421	0.069
100	A132_Biased	0.956	0.854	0.102
100	A134_Biased	2.004	1.812	0.191
100	A135_Biased	1.516	1.556	-0.040
100	B52_Biased	1.384	1.317	0.067
100	B54_Biased	1.465	1.511	-0.045
100	B55_Biased	1.515	1.535	-0.020
100	B56_Biased	1.136	1.079	0.057
100	B57_Biased	0.934	0.989	-0.055
100	B59_Biased	1.781	1.779	0.002
100	B62_Biased	1.312	1.426	-0.113
100	B63_Biased	1.592	1.689	-0.097
100	B64_Biased	1.600	1.691	-0.091
100	B66_Biased	1.339	1.263	0.076
100	B68_Biased	1.433	1.562	-0.129
100	C54_Biased	1.521	1.447	0.074
100	C55_Biased	1.804	1.854	-0.050
100	C56_Biased	1.291	1.074	0.217
100	C57_Biased	1.564	1.690	-0.126
100	C58_Biased	1.606	1.542	0.064
100	C59_Biased	1.650	1.579	0.072
100	C65_Biased	1.159	0.957	0.201
100	C67_Biased	1.258	1.085	0.174
100	A122_Unbiased	1.828	1.663	0.166
100	A138_Unbiased	1.496	1.397	0.099
100	A139_Unbiased	1.472	1.339	0.134
100	B60_Unbiased	1.601	0.347	1.254
100	B61_Unbiased	1.293	0.976	0.318
100	B69_Unbiased	1.601	1.428	0.173
100	B70_Unbiased	1.293	1.402	-0.109
100	B71_Unbiased	1.521	1.518	0.003
100	B72_Unbiased	0.947	0.869	0.077
100	B73_Unbiased	1.564	1.405	0.159
100	B74_Unbiased	1.954	1.949	0.005
100	B77_Unbiased	1.120	1.099	0.021
100	B78_Unbiased	1.537	1.503	-0.047
100	B79_Unbiased	1.594	1.643	-0.049
100	B80_Unbiased	1.534	1.652	-0.117
100	C70_Unbiased	1.569	1.414	0.155
100	C71_Unbiased	1.362	1.242	0.121
100	C72_Unbiased	1.109	1.150	-0.041
100	C73_Unbiased	1.347	1.231	0.116
100	C75_Unbiased	1.544	1.385	0.160
100	C76_Unbiased	0.932	1.002	-0.070
100	C79_Unbiased	0.928	0.928	0.000
	Max	2.004	1.997	1.254
	Average	1.391	1.397	-0.006
	Min	0.819	0.347	-0.362
	Std Dev	0.251	0.299	0.183

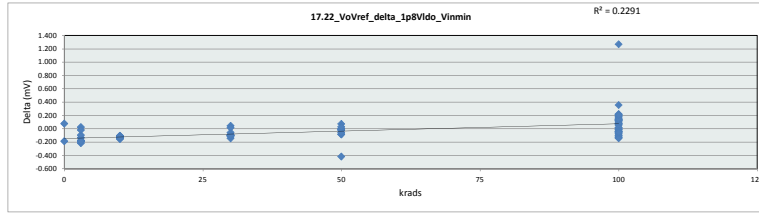


17_21_LineReg_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mV/V					
Max Limit	6					
Min Limit	-6					
krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.421	1.222	1.097	0.801	0.852	0.347
Average	1.465	1.498	1.501	1.478	1.272	1.358
Max	1.509	1.654	1.902	1.997	1.722	1.949
UL	6.000	6.000	6.000	6.000	6.000	6.000

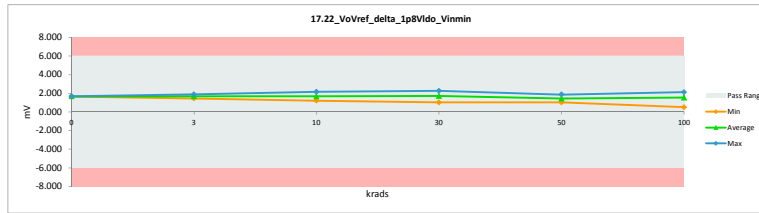


TID 100krad HDR Report
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17.22_VoVref_delta_1p8VIdo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.479	1.668	-0.189
3	A116_Biased	1.407	1.598	-0.191
3	A117_Biased	1.650	1.828	-0.177
3	B36_Biased	1.494	1.713	-0.219
3	B37_Biased	1.522	1.702	-0.180
3	C39_Biased	1.685	1.872	-0.187
3	A118_Unbiased	1.572	1.707	-0.136
3	A140_Unbiased	1.479	1.456	0.023
3	B38_Unbiased	1.530	1.627	-0.097
3	B39_Unbiased	1.686	1.708	-0.022
3	C40_Unbiased	1.421	1.615	-0.194
10	A119_Biased	1.965	2.088	-0.123
10	A120_Biased	1.281	1.418	-0.137
10	B40_Biased	1.451	1.563	-0.112
10	C41_Biased	1.663	1.796	-0.133
10	C42_Biased	1.401	1.553	-0.153
10	A121_Unbiased	1.281	1.418	-0.137
10	A124_Unbiased	1.447	1.559	-0.112
10	B41_Unbiased	1.578	1.685	-0.106
10	C43_Unbiased	2.010	2.159	-0.149
10	C44_Unbiased	1.077	1.213	-0.136
30	A125_Biased	1.905	2.049	-0.145
30	B42_Biased	2.178	2.267	-0.089
30	B43_Biased	1.862	1.976	-0.114
30	C45_Biased	1.474	1.576	-0.102
30	C46_Biased	1.334	1.438	-0.104
30	A127_Unbiased	1.739	1.844	-0.105
30	B45_Unbiased	1.723	1.680	0.043
30	B47_Unbiased	1.433	1.490	-0.058
30	C47_Unbiased	1.669	1.772	-0.102
30	C50_Unbiased	1.025	1.029	0.016
50	A128_Biased	1.209	1.295	-0.087
50	A129_Biased	1.552	1.565	-0.013
50	B48_Biased	1.653	1.661	-0.009
50	B49_Biased	1.532	1.526	0.005
50	C51_Biased	1.222	1.247	-0.026
50	A130_Unbiased	1.617	1.699	-0.082
50	A131_Unbiased	1.299	1.359	-0.059
50	B50_Unbiased	1.263	1.193	0.070
50	B51_Unbiased	1.452	1.871	-0.419
50	C53_Unbiased	1.046	1.018	0.028
0	106_Corr	1.729	1.654	0.076
100	A132_Biased	1.193	1.087	0.105
100	A134_Biased	2.198	2.068	0.130
100	A135_Biased	1.719	1.733	-0.013
100	B52_Biased	1.479	1.411	0.069
100	B54_Biased	1.648	1.701	-0.053
100	B55_Biased	1.643	1.659	-0.015
100	B56_Biased	1.293	1.241	0.052
100	B57_Biased	1.087	1.165	-0.078
100	B59_Biased	1.971	1.977	-0.006
100	B62_Biased	1.601	1.704	-0.103
100	B63_Biased	1.877	1.998	-0.121
100	B64_Biased	1.900	1.976	-0.076
100	B66_Biased	1.517	1.392	0.124
100	B68_Biased	1.587	1.715	-0.128
100	C54_Biased	1.676	1.603	0.073
100	C55_Biased	1.967	2.010	-0.043
100	C56_Biased	1.433	1.211	0.222
100	C57_Biased	1.759	1.895	-0.137
100	C58_Biased	1.764	1.684	0.079
100	C59_Biased	1.842	1.771	0.071
100	C65_Biased	1.288	1.103	0.185
100	C67_Biased	1.434	1.243	0.191
100	A122_Unbiased	2.033	1.827	0.207
100	A138_Unbiased	1.686	1.566	0.120
100	A139_Unbiased	1.605	1.465	0.140
100	B60_Unbiased	1.767	0.499	1.268
100	B61_Unbiased	1.498	1.143	0.356
100	B69_Unbiased	1.767	1.558	0.210
100	B70_Unbiased	1.498	1.597	-0.099
100	B71_Unbiased	1.742	1.732	0.011
100	B72_Unbiased	1.110	1.024	0.086
100	B73_Unbiased	1.760	1.585	0.175
100	B74_Unbiased	2.132	2.118	0.014
100	B77_Unbiased	1.399	1.379	0.020
100	B78_Unbiased	1.622	1.640	-0.038
100	B79_Unbiased	1.748	1.781	-0.032
100	B80_Unbiased	1.801	1.947	-0.146
100	C70_Unbiased	1.782	1.635	0.148
100	C71_Unbiased	1.533	1.392	0.141
100	C72_Unbiased	1.309	1.353	-0.044
100	C73_Unbiased	1.508	1.380	0.129
100	C75_Unbiased	1.727	1.582	0.145
100	C76_Unbiased	1.081	1.139	-0.058
100	C79_Unbiased	1.900	0.923	0.977
	Max	2.198	2.267	1.268
	Average	1.577	1.584	-0.007
	Min	1.045	0.499	-0.419
	Std Dev	0.262	0.314	0.190

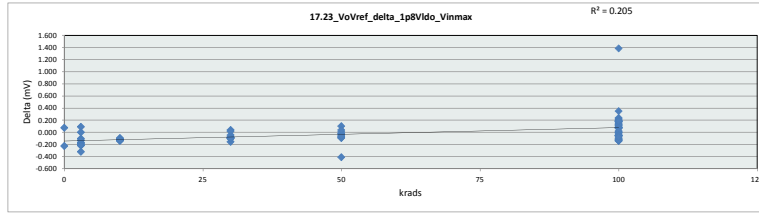


17.22_VoVref_delta_1p8VIdo_Vin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.654	1.456	1.213	1.029	1.018	0.499
Average	1.661	1.682	1.686	1.712	1.444	1.539
Max	1.668	1.872	2.159	2.267	1.871	2.118
UL	6.000	6.000	6.000	6.000	6.000	6.000

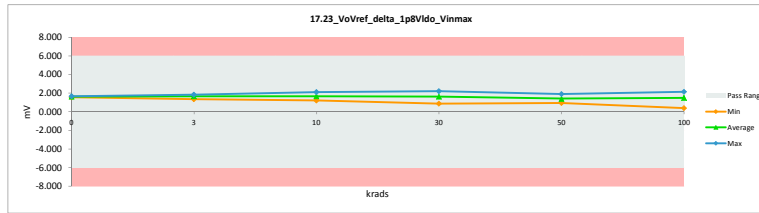


TID 100krad HDR Report
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17_23_VoVref_delta_1p8VIdo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6			
Min Limit	-6			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.447	1.672	-0.225
3	A116_Biased	1.346	1.524	-0.178
3	A117_Biased	1.634	1.800	-0.166
3	B36_Biased	1.492	1.705	-0.213
3	B37_Biased	1.512	1.834	-0.322
3	C39_Biased	1.633	1.825	-0.192
3	A118_Unbiased	1.597	1.790	-0.193
3	A140_Unbiased	1.447	1.355	0.093
3	B38_Unbiased	1.466	1.594	-0.129
3	B39_Unbiased	1.685	1.686	-0.001
3	C40_Unbiased	1.370	1.584	-0.214
10	A119_Biased	1.952	2.071	-0.118
10	A120_Biased	1.715	1.837	-0.122
10	B40_Biased	1.438	1.566	-0.128
10	C41_Biased	1.680	1.791	-0.111
10	C42_Biased	1.335	1.467	-0.132
10	A121_Unbiased	1.200	1.338	-0.138
10	A124_Unbiased	1.557	1.672	-0.114
10	B41_Unbiased	1.486	1.580	-0.094
10	C43_Unbiased	1.964	2.103	-0.138
10	C44_Unbiased	1.080	1.214	-0.135
30	A125_Biased	1.766	1.924	-0.157
30	B42_Biased	2.118	2.209	-0.091
30	B43_Biased	1.814	1.918	-0.104
30	C45_Biased	1.391	1.478	-0.087
30	C46_Biased	1.254	1.348	-0.093
30	A127_Unbiased	1.695	1.771	-0.076
30	B45_Unbiased	1.766	1.730	0.037
30	B47_Unbiased	1.343	1.391	-0.048
30	C47_Unbiased	1.623	1.728	-0.105
30	C50_Unbiased	0.807	0.887	-0.080
50	A128_Biased	1.193	1.282	-0.089
50	A129_Biased	1.427	1.448	-0.021
50	B48_Biased	1.628	1.660	-0.032
50	B49_Biased	1.450	1.446	0.005
50	C51_Biased	1.149	1.112	-0.037
50	A130_Unbiased	1.661	1.755	-0.094
50	A131_Unbiased	1.247	1.311	-0.064
50	B50_Unbiased	1.233	1.134	0.100
50	B51_Unbiased	1.503	1.912	-0.409
50	C53_Unbiased	0.980	0.945	0.036
0	106_Corr	1.651	1.575	0.076
100	A132_Biased	1.060	0.947	0.113
100	A134_Biased	2.215	2.007	0.208
100	A135_Biased	1.679	1.724	-0.044
100	B52_Biased	1.528	1.454	0.074
100	B54_Biased	1.622	1.673	-0.050
100	B55_Biased	1.679	1.702	-0.023
100	B56_Biased	1.261	1.199	0.063
100	B57_Biased	1.038	1.100	-0.062
100	B59_Biased	1.969	1.968	0.001
100	B62_Biased	1.456	1.582	-0.126
100	B63_Biased	1.764	1.872	-0.108
100	B64_Biased	1.778	1.878	-0.100
100	B66_Biased	1.485	1.400	0.084
100	B68_Biased	1.589	1.732	-0.143
100	C54_Biased	1.683	1.601	0.082
100	C55_Biased	1.998	2.054	-0.056
100	C56_Biased	1.433	1.192	0.241
100	C57_Biased	1.733	1.874	-0.140
100	C58_Biased	1.779	1.709	0.071
100	C59_Biased	1.831	1.752	0.079
100	C65_Biased	1.084	1.061	0.223
100	C67_Biased	1.396	1.204	0.192
100	A122_Unbiased	2.029	1.846	0.183
100	A138_Unbiased	1.660	1.550	0.109
100	A139_Unbiased	1.631	1.483	0.148
100	B60_Unbiased	1.773	0.386	1.386
100	B61_Unbiased	1.434	1.083	0.352
100	B69_Unbiased	1.773	1.581	0.192
100	B70_Unbiased	1.434	1.555	-0.120
100	B71_Unbiased	1.653	1.650	0.004
100	B72_Unbiased	1.049	0.964	0.086
100	B73_Unbiased	1.730	1.554	0.176
100	B74_Unbiased	2.160	2.155	0.006
100	B77_Unbiased	1.240	1.217	0.023
100	B78_Unbiased	1.613	1.666	-0.052
100	B79_Unbiased	1.765	1.819	-0.055
100	B80_Unbiased	1.699	1.829	-0.129
100	C70_Unbiased	1.734	1.563	0.171
100	C71_Unbiased	1.511	1.377	0.134
100	C72_Unbiased	1.229	1.275	-0.046
100	C73_Unbiased	1.491	1.363	0.128
100	C75_Unbiased	1.712	1.535	0.176
100	C76_Unbiased	1.036	1.114	-0.078
100	C79_Unbiased	1.105	0.920	0.185
	Max	2.215	2.209	1.386
	Average	1.542	1.549	-0.007
	Min	0.907	0.386	-0.409
	Std Dev	0.278	0.331	0.203

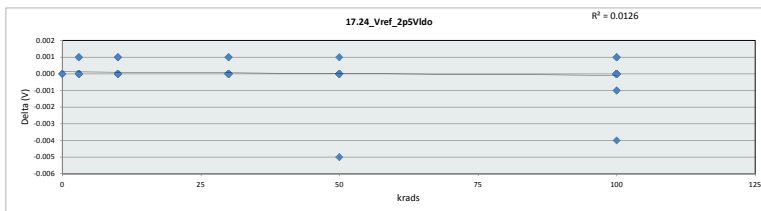


17_23_VoVref_delta_1p8VIdo_Vin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.575	1.355	1.214	0.887	0.945	0.386
Average	1.624	1.661	1.664	1.638	1.410	1.505
Max	1.672	1.835	2.103	2.209	1.912	2.155
UL	6.000	6.000	6.000	6.000	6.000	6.000

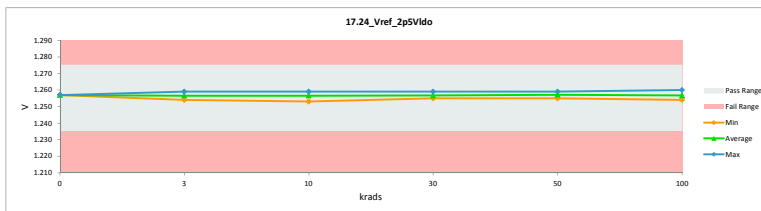


TID 100krad HDR Report
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17.24_Vref_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.275	1.275		
Min Limit	1.235	1.235		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.257	1.257	0.000
3	A116_Biased	1.257	1.257	0.000
3	A117_Biased	1.256	1.256	0.000
3	B36_Biased	1.257	1.257	0.000
3	B37_Biased	1.257	1.257	0.000
3	C39_Biased	1.257	1.256	0.001
3	A118_Unbiased	1.259	1.259	0.000
3	A140_Unbiased	1.257	1.257	0.000
3	B38_Unbiased	1.258	1.258	0.000
3	B39_Unbiased	1.254	1.254	0.000
3	C40_Unbiased	1.256	1.255	0.001
10	A119_Biased	1.258	1.258	0.000
10	A120_Biased	1.259	1.259	0.000
10	B40_Biased	1.256	1.256	0.000
10	C41_Biased	1.258	1.257	0.001
10	C42_Biased	1.259	1.259	0.000
10	A121_Unbiased	1.255	1.255	0.000
10	A124_Unbiased	1.253	1.253	0.000
10	B41_Unbiased	1.259	1.259	0.000
10	C43_Unbiased	1.255	1.255	0.000
10	C44_Unbiased	1.256	1.255	0.001
30	A125_Biased	1.257	1.257	0.000
30	B42_Biased	1.256	1.256	0.000
30	B43_Biased	1.257	1.257	0.000
30	C45_Biased	1.259	1.259	0.000
30	C46_Biased	1.256	1.255	0.001
30	A127_Unbiased	1.257	1.257	0.000
30	B45_Unbiased	1.255	1.255	0.000
30	B47_Unbiased	1.259	1.259	0.000
30	C47_Unbiased	1.257	1.256	0.001
30	C50_Unbiased	1.256	1.256	0.000
50	A128_Biased	1.258	1.258	0.000
50	A129_Biased	1.259	1.259	0.000
50	B48_Biased	1.256	1.256	0.000
50	B49_Biased	1.257	1.257	0.000
50	C51_Biased	1.258	1.258	0.000
50	A130_Unbiased	1.255	1.255	0.000
50	A131_Unbiased	1.257	1.257	0.000
50	B50_Unbiased	1.257	1.257	0.000
50	B51_Unbiased	1.254	1.259	-0.005
50	C53_Unbiased	1.257	1.256	0.001
0	106_Corr	1.257	1.257	0.000
100	A132_Biased	1.257	1.257	0.000
100	A134_Biased	1.255	1.256	-0.001
100	A135_Biased	1.257	1.257	0.000
100	B52_Biased	1.254	1.254	0.000
100	B54_Biased	1.256	1.256	0.000
100	B55_Biased	1.257	1.257	0.000
100	B56_Biased	1.258	1.258	0.000
100	B57_Biased	1.259	1.259	0.000
100	B59_Biased	1.255	1.255	0.000
100	B62_Biased	1.257	1.258	-0.001
100	B63_Biased	1.257	1.257	0.000
100	B64_Biased	1.259	1.259	0.000
100	B66_Biased	1.257	1.257	0.000
100	B68_Biased	1.257	1.257	0.000
100	C54_Biased	1.256	1.255	0.001
100	C55_Biased	1.257	1.257	0.000
100	C56_Biased	1.258	1.258	0.000
100	C57_Biased	1.257	1.257	0.000
100	C58_Biased	1.257	1.256	0.001
100	C59_Biased	1.258	1.258	0.000
100	C65_Biased	1.256	1.256	0.000
100	C67_Biased	1.258	1.258	0.000
100	A122_Unbiased	1.259	1.259	0.000
100	A138_Unbiased	1.258	1.258	0.000
100	A139_Unbiased	1.257	1.256	0.001
100	B60_Unbiased	1.256	1.260	-0.004
100	B61_Unbiased	1.257	1.257	0.000
100	B69_Unbiased	1.256	1.256	0.000
100	B70_Unbiased	1.257	1.257	0.000
100	B71_Unbiased	1.256	1.256	0.000
100	B72_Unbiased	1.256	1.256	0.000
100	B73_Unbiased	1.255	1.255	0.000
100	B74_Unbiased	1.255	1.255	0.000
100	B77_Unbiased	1.256	1.256	0.000
100	B78_Unbiased	1.256	1.256	0.000
100	B79_Unbiased	1.256	1.256	0.000
100	B80_Unbiased	1.257	1.256	0.001
100	C70_Unbiased	1.254	1.254	0.000
100	C71_Unbiased	1.257	1.257	0.000
100	C72_Unbiased	1.257	1.257	0.000
100	C73_Unbiased	1.255	1.255	0.000
100	C75_Unbiased	1.257	1.257	0.000
100	C76_Unbiased	1.259	1.259	0.000
100	C79_Unbiased	1.258	1.258	0.000
	Max	1.259	1.260	0.001
	Average	1.257	1.257	0.000
	Min	1.253	1.253	-0.005
	Std Dev	0.001	0.001	0.001

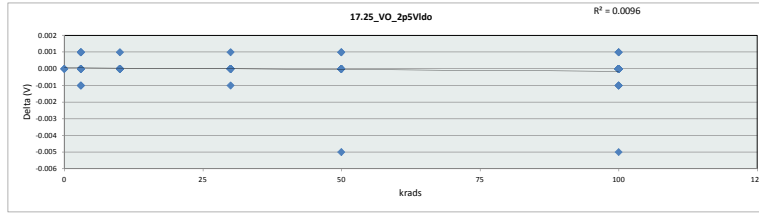


17.24_Vref_2p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.275	V				
Min Limit	1.235	V				
krads	0	3	10	30	50	100
LL	1.235	1.235	1.235	1.235	1.235	1.235
Min	1.257	1.254	1.253	1.255	1.255	1.254
Average	1.257	1.257	1.257	1.257	1.257	1.257
Max	1.257	1.259	1.259	1.259	1.259	1.260
UL	1.275	1.275	1.275	1.275	1.275	1.275

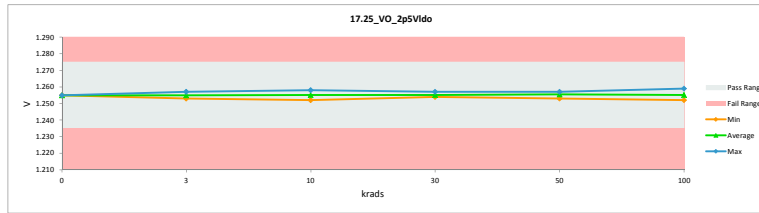


TID 100krad HDR Report
TPS7H3301-SP

17.25_VO_2p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.275	1.275		
Min Limit	1.235	1.235		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.255	1.255	0.000
3	A116_Biased	1.256	1.256	0.000
3	A117_Biased	1.255	1.254	0.001
3	B36_Biased	1.255	1.255	0.000
3	B37_Biased	1.256	1.255	0.001
3	C39_Unbiased	1.255	1.254	0.001
3	A118_Unbiased	1.257	1.257	0.000
3	A140_Unbiased	1.255	1.256	-0.001
3	B38_Unbiased	1.256	1.256	0.000
3	B39_Unbiased	1.252	1.253	-0.001
3	C40_Unbiased	1.254	1.254	0.000
10	A119_Biased	1.256	1.256	0.000
10	A120_Biased	1.257	1.257	0.000
10	B40_Biased	1.254	1.254	0.000
10	C41_Biased	1.256	1.256	0.000
10	C42_Biased	1.258	1.258	0.000
10	A121_Unbiased	1.254	1.254	0.000
10	A124_Unbiased	1.252	1.252	0.000
10	B41_Unbiased	1.257	1.257	0.000
10	C43_Unbiased	1.253	1.253	0.000
10	C44_Unbiased	1.255	1.254	0.001
30	A125_Biased	1.255	1.255	0.000
30	B42_Biased	1.254	1.254	0.000
30	B43_Biased	1.255	1.255	0.000
30	C45_Biased	1.257	1.257	0.000
30	C46_Biased	1.254	1.254	0.000
30	A127_Unbiased	1.255	1.255	0.000
30	B45_Unbiased	1.253	1.254	-0.001
30	B47_Unbiased	1.258	1.257	0.001
30	C47_Unbiased	1.255	1.255	0.000
30	C50_Unbiased	1.255	1.255	0.000
50	A128_Biased	1.257	1.256	0.001
50	A129_Biased	1.257	1.257	0.000
50	B48_Biased	1.254	1.254	0.000
50	B49_Biased	1.256	1.256	0.000
50	C51_Biased	1.257	1.257	0.000
50	A130_Unbiased	1.253	1.253	0.000
50	A131_Unbiased	1.255	1.255	0.000
50	B50_Unbiased	1.255	1.255	0.000
50	B51_Unbiased	1.252	1.257	-0.005
50	C53_Unbiased	1.256	1.255	0.001
0	106_Corr	1.255	1.255	0.000
100	A132_Biased	1.255	1.256	-0.001
100	A134_Biased	1.253	1.254	-0.001
100	A135_Biased	1.255	1.255	0.000
100	B52_Biased	1.252	1.252	0.000
100	B54_Biased	1.254	1.254	0.000
100	B55_Biased	1.255	1.256	-0.001
100	B56_Biased	1.257	1.257	0.000
100	B57_Biased	1.257	1.258	-0.001
100	B59_Biased	1.253	1.253	0.000
100	B62_Biased	1.256	1.256	0.000
100	B63_Biased	1.255	1.255	0.000
100	B64_Biased	1.257	1.257	0.000
100	B66_Biased	1.255	1.255	0.000
100	B68_Biased	1.255	1.255	0.000
100	C54_Biased	1.254	1.254	0.000
100	C55_Biased	1.255	1.255	0.000
100	C56_Biased	1.257	1.257	0.000
100	C57_Biased	1.255	1.255	0.000
100	C58_Biased	1.255	1.255	0.000
100	C59_Biased	1.256	1.256	0.000
100	C65_Biased	1.255	1.255	0.000
100	C67_Biased	1.256	1.256	0.000
100	A122_Unbiased	1.257	1.257	0.000
100	A138_Unbiased	1.256	1.256	0.000
100	A139_Unbiased	1.255	1.255	0.000
100	B60_Unbiased	1.254	1.259	-0.005
100	B61_Unbiased	1.256	1.256	0.000
100	B69_Unbiased	1.254	1.254	0.000
100	B70_Unbiased	1.256	1.255	0.001
100	B71_Unbiased	1.254	1.254	0.000
100	B72_Unbiased	1.255	1.255	0.000
100	B73_Unbiased	1.253	1.253	0.000
100	B74_Unbiased	1.253	1.253	0.000
100	B77_Unbiased	1.255	1.255	0.000
100	B78_Unbiased	1.255	1.255	0.000
100	B79_Unbiased	1.254	1.254	0.000
100	B80_Unbiased	1.255	1.254	0.001
100	C70_Unbiased	1.253	1.252	0.001
100	C71_Unbiased	1.256	1.256	0.000
100	C72_Unbiased	1.255	1.255	0.000
100	C73_Unbiased	1.254	1.254	0.000
100	C75_Unbiased	1.255	1.255	0.000
100	C76_Unbiased	1.258	1.258	0.000
100	C79_Unbiased	1.257	1.257	0.000
	Max	1.258	1.259	0.001
	Average	1.255	1.255	0.000
	Min	1.252	1.252	-0.005
	Std Dev	0.001	0.001	0.001

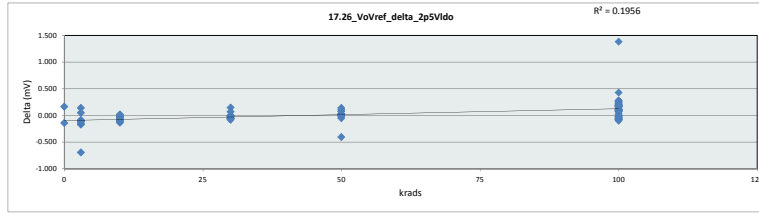


17.25_VO_2p5Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.275	V				
Min Limit	1.235	V				
krads	0	3	10	30	50	100
LL	1.235	1.235	1.235	1.235	1.235	1.235
Min	1.255	1.253	1.252	1.254	1.253	1.252
Average	1.255	1.255	1.255	1.255	1.255	1.255
Max	1.255	1.257	1.258	1.257	1.257	1.259
UL	1.275	1.275	1.275	1.275	1.275	1.275

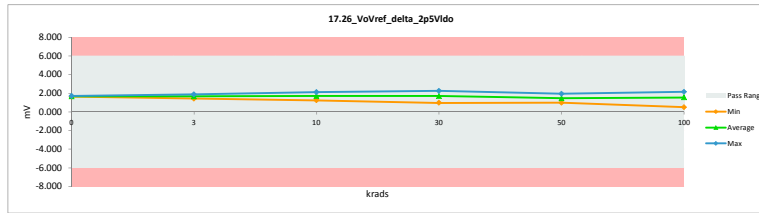


TID 100krad HDR Report
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17.26_Vovref_delta_2p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.573	1.712	-0.139
3	A116_Biased	0.873	1.569	-0.696
3	A117_Biased	1.734	1.848	-0.114
3	B36_Biased	1.563	1.735	-0.173
3	B37_Biased	1.608	1.704	-0.096
3	C39_Biased	1.726	1.874	-0.148
3	A118_Unbiased	1.662	1.770	-0.108
3	A140_Unbiased	1.573	1.434	0.138
3	B38_Unbiased	1.536	1.626	-0.089
3	B39_Unbiased	1.790	1.742	0.048
3	C40_Unbiased	1.484	1.597	-0.113
10	A119_Biased	2.027	2.074	-0.047
10	A120_Biased	1.804	1.937	-0.133
10	B40_Biased	1.575	1.588	-0.013
10	C41_Biased	1.695	1.808	-0.112
10	C42_Biased	1.468	1.564	-0.096
10	A121_Unbiased	1.374	1.402	-0.027
10	A124_Unbiased	1.618	1.606	0.012
10	B41_Unbiased	1.595	1.641	-0.046
10	C43_Unbiased	2.147	2.134	0.013
10	C44_Unbiased	1.172	1.245	-0.072
30	A125_Biased	1.993	1.993	-0.000
30	B42_Biased	2.255	2.253	0.002
30	B43_Biased	1.935	1.945	-0.010
30	C45_Biased	1.512	1.567	-0.055
30	C46_Biased	1.406	1.436	-0.030
30	A127_Unbiased	1.787	1.815	-0.028
30	B45_Unbiased	1.911	1.765	0.147
30	B47_Unbiased	1.429	1.485	-0.056
30	C47_Unbiased	1.737	1.803	-0.066
30	C50_Unbiased	0.974	0.974	0.000
50	A128_Biased	1.304	1.355	-0.051
50	A129_Biased	1.562	1.542	0.021
50	B48_Biased	1.751	1.720	0.031
50	B49_Biased	1.555	1.484	0.071
50	C51_Biased	1.778	1.299	-0.021
50	A130_Unbiased	1.807	1.791	0.016
50	A131_Unbiased	1.358	1.360	-0.002
50	B50_Unbiased	1.296	1.158	0.138
50	B51_Unbiased	1.550	1.956	-0.406
50	C53_Unbiased	1.095	0.991	0.104
0	106_Corr	1.795	1.631	0.164
100	A132_Biased	1.182	1.016	0.166
100	A134_Biased	2.340	2.061	0.279
100	A135_Biased	1.764	1.773	-0.009
100	B52_Biased	1.570	1.469	0.101
100	B54_Biased	1.783	1.670	0.112
100	B55_Biased	1.750	1.724	0.026
100	B56_Biased	1.376	1.286	0.091
100	B57_Biased	1.143	1.193	-0.050
100	B59_Biased	2.121	2.022	0.099
100	B62_Biased	1.538	1.636	-0.098
100	B63_Biased	1.864	1.941	-0.077
100	B64_Biased	1.886	1.965	-0.079
100	B66_Biased	1.616	1.427	0.189
100	B68_Biased	1.672	1.722	-0.050
100	C54_Biased	1.817	1.644	0.173
100	C55_Biased	2.042	2.083	-0.041
100	C56_Biased	1.455	1.262	0.193
100	C57_Biased	1.846	1.928	-0.083
100	C58_Biased	1.857	1.738	0.119
100	C59_Biased	1.900	1.799	0.100
100	C65_Biased	1.366	1.116	0.251
100	C67_Biased	1.476	1.315	0.161
100	A122_Unbiased	2.119	1.927	0.192
100	A138_Unbiased	1.687	1.582	0.106
100	A139_Unbiased	1.732	1.558	0.174
100	B60_Unbiased	1.905	0.521	1.385
100	B61_Unbiased	1.551	1.122	0.429
100	B69_Unbiased	1.905	1.629	0.276
100	B70_Unbiased	1.551	1.608	-0.057
100	B71_Unbiased	1.809	1.735	0.074
100	B72_Unbiased	1.143	0.984	0.160
100	B73_Unbiased	1.848	1.597	0.251
100	B74_Unbiased	2.285	2.170	0.115
100	B77_Unbiased	1.339	1.267	0.072
100	B78_Unbiased	1.715	1.712	0.003
100	B79_Unbiased	1.908	1.839	0.069
100	B80_Unbiased	1.797	1.878	-0.081
100	C70_Unbiased	1.838	1.612	0.226
100	C71_Unbiased	1.580	1.406	0.174
100	C72_Unbiased	1.339	1.354	-0.015
100	C73_Unbiased	1.643	1.389	0.254
100	C75_Unbiased	1.779	1.582	0.198
100	C76_Unbiased	1.180	1.205	-0.025
100	C79_Unbiased	1.821	1.821	0.000
	Max	2.340	2.253	1.385
	Average	1.641	1.598	0.043
	Min	0.873	0.521	-0.696
	Std Dev	0.291	0.318	0.211

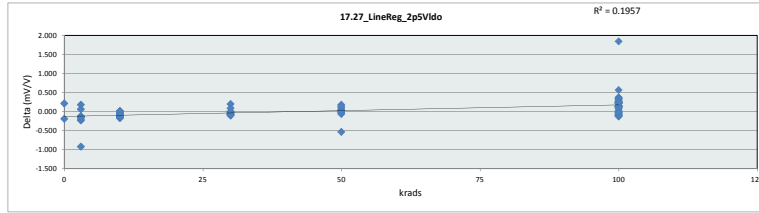


17.26_Vovref_delta_2p5Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.631	1.434	1.245	0.974	0.991	0.521
Average	1.672	1.690	1.700	1.704	1.466	1.557
Max	1.712	1.874	2.134	2.253	1.956	2.170
UL	6.000	6.000	6.000	6.000	6.000	6.000

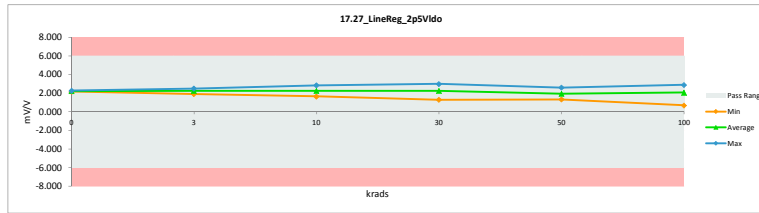


TID 100krad HDR Report
TPS7H3301-SP

17_27_LineReg_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.088	2.274	-0.186
3	A116_Biased	1.159	2.082	-0.923
3	A117_Biased	2.303	2.455	-0.152
3	B36_Biased	2.075	2.305	-0.230
3	B37_Biased	2.135	2.263	-0.128
3	C39_Unbiased	2.293	2.490	-0.197
3	A118_Unbiased	2.203	2.346	-0.143
3	A140_Unbiased	2.088	1.904	0.184
3	B38_Unbiased	2.038	2.157	-0.119
3	B39_Unbiased	2.382	2.318	0.064
3	C40_Unbiased	1.972	2.123	-0.151
10	A119_Biased	2.690	2.753	-0.063
10	A120_Biased	2.591	2.568	-0.177
10	B40_Biased	2.093	2.111	-0.018
10	C41_Biased	2.250	2.399	-0.150
10	C42_Unbiased	1.945	2.073	-0.128
10	A121_Unbiased	1.827	1.853	-0.026
10	A124_Unbiased	2.155	2.139	0.016
10	B41_Unbiased	2.115	2.176	-0.061
10	C43_Unbiased	2.855	2.839	0.016
10	C44_Unbiased	1.557	1.654	-0.097
30	A125_Biased	2.540	2.447	-0.106
30	B42_Biased	2.998	2.995	0.003
30	B43_Biased	2.569	2.582	-0.013
30	C45_Biased	2.005	2.078	-0.073
30	C46_Biased	1.869	1.909	-0.040
30	A127_Unbiased	2.373	2.409	-0.037
30	B45_Unbiased	2.542	2.346	0.196
30	B47_Unbiased	1.894	1.969	-0.075
30	C47_Unbiased	2.307	2.395	-0.088
30	C50_Unbiased	1.382	1.293	0.089
50	A128_Biased	1.730	1.798	-0.068
50	A129_Biased	2.072	2.044	0.027
50	B48_Biased	2.327	2.286	0.042
50	B49_Biased	2.064	1.969	0.095
50	C51_Biased	1.694	1.722	-0.028
50	A130_Unbiased	2.404	2.382	0.022
50	A131_Unbiased	1.803	1.806	-0.003
50	B50_Unbiased	1.721	1.537	0.183
50	B51_Unbiased	2.063	2.594	-0.531
50	C53_Unbiased	1.454	1.316	0.138
0	106_Corr	2.383	2.166	0.217
100	A132_Biased	1.569	1.349	0.220
100	A134_Biased	3.113	2.739	0.374
100	A135_Biased	2.342	2.354	-0.012
100	B52_Biased	2.090	1.956	0.135
100	B54_Biased	2.369	2.220	0.149
100	B55_Biased	2.324	2.288	0.035
100	B56_Biased	1.825	1.704	0.121
100	B57_Biased	1.515	1.581	-0.066
100	B59_Biased	2.822	2.690	0.132
100	B62_Biased	2.041	2.171	-0.130
100	B63_Biased	2.475	2.577	-0.102
100	B64_Biased	2.500	2.606	-0.105
100	B66_Biased	2.145	1.895	0.250
100	B68_Biased	2.220	2.286	-0.067
100	C54_Biased	2.415	2.185	0.230
100	C55_Biased	2.712	2.767	-0.055
100	C56_Biased	1.921	1.674	0.257
100	C57_Biased	2.451	2.561	-0.110
100	C58_Biased	2.467	2.309	0.158
100	C59_Biased	2.520	2.387	0.133
100	C65_Biased	1.815	1.482	0.333
100	C67_Biased	1.958	1.744	0.214
100	A122_Unbiased	2.811	2.555	0.256
100	A138_Unbiased	2.239	2.098	0.140
100	A139_Unbiased	2.301	2.069	0.231
100	B60_Unbiased	2.532	0.689	1.843
100	B61_Unbiased	2.059	1.489	0.570
100	B69_Unbiased	2.532	2.165	0.367
100	B70_Unbiased	2.059	2.135	-0.076
100	B71_Unbiased	2.404	2.307	0.098
100	B72_Unbiased	1.518	1.306	0.212
100	B73_Unbiased	2.457	2.124	0.333
100	B74_Unbiased	3.040	2.887	0.153
100	B77_Unbiased	1.778	1.683	0.095
100	B78_Unbiased	2.278	2.278	0.003
100	B79_Unbiased	2.535	2.443	0.093
100	B80_Unbiased	2.387	2.495	-0.109
100	C70_Unbiased	2.446	2.146	0.300
100	C71_Unbiased	2.097	1.867	0.230
100	C72_Unbiased	1.778	1.798	-0.020
100	C73_Unbiased	2.184	1.846	0.338
100	C75_Unbiased	2.363	2.100	0.263
100	C76_Unbiased	1.563	1.596	-0.033
100	C79_Unbiased	1.592	1.357	0.235
	Max	3.113	2.995	1.843
	Average	2.179	2.122	0.057
	Min	1.159	0.689	-0.923
	Std Dev	0.387	0.423	0.281

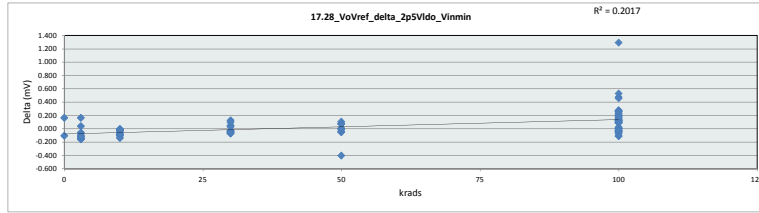


17_27_LineReg_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV/V				
Min Limit	-6	mV/V				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	2.166	1.904	1.654	1.294	1.316	0.689
Average	2.220	2.244	2.257	2.262	1.945	2.067
Max	2.274	2.490	2.839	2.995	2.594	2.887
UL	6.000	6.000	6.000	6.000	6.000	6.000

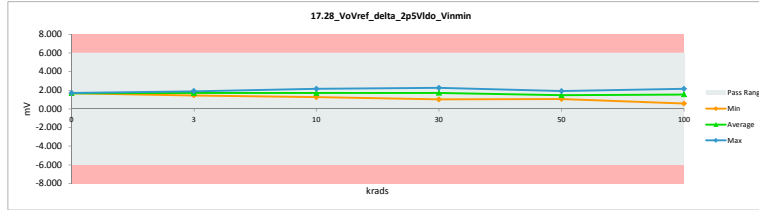


TID 100krad HDR Report
TPS7H3301-SP

17_28_VoVref_delta_2p5Vido_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.615	1.720	-0.105
3	A116_Biased	1.446	1.589	-0.142
3	A117_Biased	1.730	1.875	-0.144
3	B36_Biased	1.583	1.739	-0.156
3	B37_Biased	1.602	1.698	-0.096
3	C39_Biased	1.740	1.900	-0.159
3	A118_Unbiased	1.663	1.781	-0.118
3	A140_Unbiased	1.615	1.454	0.161
3	B38_Unbiased	1.592	1.648	-0.056
3	B39_Unbiased	1.781	1.744	0.037
3	C40_Unbiased	1.520	1.636	-0.116
10	A119_Biased	2.040	2.069	-0.029
10	A120_Biased	1.800	1.906	-0.106
10	B40_Biased	1.569	1.603	-0.034
10	C41_Biased	1.699	1.793	-0.094
10	C42_Biased	1.477	1.616	-0.139
10	A121_Unbiased	1.395	1.396	-0.010
10	A124_Unbiased	1.565	1.568	-0.003
10	B41_Unbiased	1.663	1.682	-0.019
10	C43_Unbiased	2.144	2.162	-0.018
10	C44_Unbiased	1.182	1.255	-0.073
30	A125_Biased	2.024	2.025	-0.005
30	B42_Biased	2.304	2.256	0.048
30	B43_Biased	1.962	1.990	-0.028
30	C45_Biased	1.537	1.598	-0.060
30	C46_Biased	1.471	1.444	0.027
30	A127_Unbiased	1.811	1.855	-0.044
30	B45_Unbiased	1.872	1.750	0.123
30	B47_Unbiased	1.473	1.513	-0.041
30	C47_Unbiased	1.735	1.809	-0.074
30	C50_Unbiased	1.024	1.012	0.012
50	A128_Biased	1.288	1.342	-0.054
50	A129_Biased	1.598	1.592	0.006
50	B48_Biased	1.777	1.707	0.070
50	B49_Biased	1.581	1.505	0.076
50	C51_Biased	1.722	1.314	-0.043
50	A130_Unbiased	1.746	1.761	-0.015
50	A131_Unbiased	1.399	1.395	0.004
50	B50_Unbiased	1.327	1.222	0.106
50	B51_Unbiased	1.522	1.928	-0.406
50	C53_Unbiased	1.119	1.047	0.072
0	106_Corr	1.831	1.668	0.163
100	A132_Biased	1.250	1.081	0.168
100	A134_Biased	2.341	2.074	0.267
100	A135_Biased	1.759	1.773	-0.003
100	B52_Biased	1.548	1.444	0.104
100	B54_Biased	1.780	1.764	0.016
100	B55_Biased	1.722	1.698	0.023
100	B56_Biased	1.370	1.283	0.087
100	B57_Biased	1.182	1.176	0.006
100	B59_Biased	2.115	1.993	0.122
100	B62_Biased	1.600	1.664	-0.064
100	B63_Biased	1.949	2.000	-0.051
100	B64_Biased	1.973	2.016	-0.043
100	B66_Biased	1.609	1.411	0.198
100	B68_Biased	1.638	1.746	-0.109
100	C54_Biased	1.800	1.677	0.123
100	C55_Biased	2.032	2.051	-0.019
100	C56_Biased	1.718	1.242	0.476
100	C57_Biased	1.836	1.945	-0.109
100	C58_Biased	1.847	1.759	0.087
100	C59_Biased	1.892	1.795	0.097
100	C65_Biased	1.377	1.116	0.261
100	C67_Biased	1.485	1.275	0.209
100	A122_Unbiased	2.108	1.905	0.204
100	A138_Unbiased	1.718	1.600	0.118
100	A139_Unbiased	1.668	1.533	0.136
100	B60_Unbiased	1.869	0.575	1.294
100	B61_Unbiased	1.572	1.116	0.455
100	B69_Unbiased	1.869	1.592	0.276
100	B70_Unbiased	1.572	1.611	-0.040
100	B71_Unbiased	1.847	1.746	0.101
100	B72_Unbiased	1.163	1.025	0.138
100	B73_Unbiased	1.855	1.599	0.256
100	B74_Unbiased	2.267	2.146	0.120
100	B77_Unbiased	1.444	1.355	0.089
100	B78_Unbiased	1.699	1.696	0.003
100	B79_Unbiased	1.876	1.349	0.528
100	B80_Unbiased	1.845	1.924	-0.079
100	C70_Unbiased	1.880	1.626	0.254
100	C71_Unbiased	1.601	1.411	0.190
100	C72_Unbiased	1.374	1.400	-0.026
100	C73_Unbiased	1.650	1.502	0.148
100	C75_Unbiased	1.814	1.582	0.232
100	C76_Unbiased	1.187	1.220	-0.033
100	C79_Unbiased	1.241	1.065	0.176
	Max	2.341	2.256	1.294
	Average	1.663	1.606	0.057
	Min	1.106	0.575	-0.406
	Std Dev	0.271	0.312	0.201

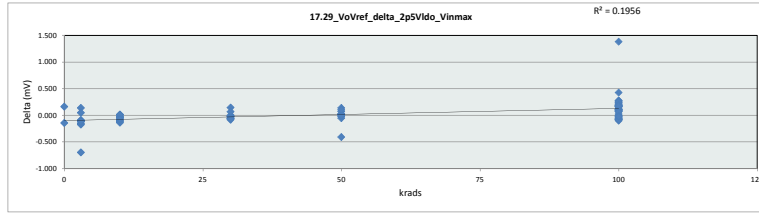


17_28_VoVref_delta_2p5Vido_Vin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.668	1.454	1.255	1.012	1.047	0.575
Average	1.694	1.706	1.705	1.725	1.481	1.558
Max	1.720	1.900	2.163	2.256	1.928	2.146
UL	6.000	6.000	6.000	6.000	6.000	6.000

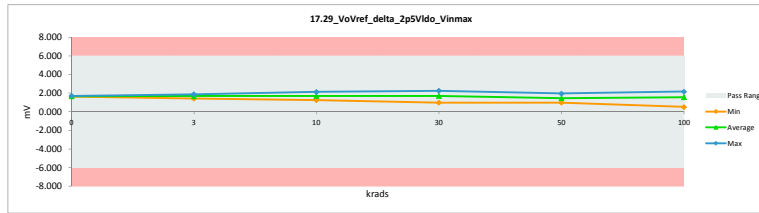


TID 100krad HDR Report
TPS7H3301-SP

17_29_VoVref_delta_2p5VIdo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.573	1.712	-0.139
3	A116_Biased	0.873	1.569	-0.696
3	A117_Biased	1.734	1.848	-0.114
3	B36_Biased	1.563	1.735	-0.173
3	B37_Biased	1.608	1.704	-0.096
3	C39_Biased	1.726	1.874	-0.148
3	A118_Unbiased	1.662	1.770	-0.108
3	A140_Unbiased	1.573	1.434	0.138
3	B38_Unbiased	1.536	1.626	-0.089
3	B39_Unbiased	1.790	1.742	0.048
3	C40_Unbiased	1.484	1.597	-0.113
10	A119_Biased	2.027	2.074	-0.047
10	A120_Biased	1.804	1.937	-0.133
10	B40_Biased	1.575	1.588	-0.013
10	C41_Biased	1.695	1.808	-0.112
10	C42_Biased	1.468	1.564	-0.096
10	A121_Unbiased	1.374	1.402	-0.027
10	A124_Unbiased	1.618	1.606	0.012
10	B41_Unbiased	1.595	1.641	-0.046
10	C43_Unbiased	2.147	2.134	0.013
10	C44_Unbiased	1.172	1.245	-0.072
30	A125_Biased	1.913	1.993	-0.080
30	B42_Biased	2.255	2.253	0.002
30	B43_Biased	1.935	1.945	-0.010
30	C45_Biased	1.512	1.567	-0.055
30	C46_Biased	1.406	1.436	-0.030
30	A127_Unbiased	1.887	1.815	-0.028
30	B45_Unbiased	1.911	1.765	0.147
30	B47_Unbiased	1.429	1.485	-0.056
30	C47_Unbiased	1.737	1.803	-0.066
30	C50_Unbiased	1.040	0.974	0.067
50	A128_Biased	1.304	1.355	-0.051
50	A129_Biased	1.562	1.542	0.021
50	B48_Biased	1.751	1.720	0.031
50	B49_Biased	1.555	1.484	0.071
50	C51_Biased	1.278	1.299	-0.021
50	A130_Unbiased	1.807	1.791	0.016
50	A131_Unbiased	1.358	1.360	-0.002
50	B50_Unbiased	1.296	1.158	0.138
50	B51_Unbiased	1.550	1.956	-0.406
50	C53_Unbiased	1.095	0.991	0.104
0	106_Corr	1.795	1.631	0.164
100	A132_Biased	1.182	1.016	0.166
100	A134_Biased	2.340	2.061	0.279
100	A135_Biased	1.764	1.773	-0.009
100	B52_Biased	1.570	1.469	0.101
100	B54_Biased	1.783	1.670	0.112
100	B55_Biased	1.750	1.724	0.026
100	B56_Biased	1.376	1.286	0.091
100	B57_Biased	1.143	1.193	-0.050
100	B59_Biased	2.121	2.022	0.099
100	B62_Biased	1.538	1.636	-0.098
100	B63_Biased	1.864	1.941	-0.077
100	B64_Biased	1.886	1.965	-0.079
100	B66_Biased	1.616	1.427	0.189
100	B68_Biased	1.672	1.722	-0.050
100	C54_Biased	1.817	1.644	0.173
100	C55_Biased	2.042	2.083	-0.041
100	C56_Biased	1.455	1.262	0.193
100	C57_Biased	1.846	1.928	-0.083
100	C58_Biased	1.857	1.738	0.119
100	C59_Biased	1.900	1.799	0.100
100	C65_Biased	1.205	1.193	0.012
100	C67_Biased	1.476	1.315	0.161
100	A122_Unbiased	2.119	1.927	0.192
100	A138_Unbiased	1.687	1.582	0.106
100	A139_Unbiased	1.732	1.558	0.174
100	B60_Unbiased	1.905	0.521	1.385
100	B61_Unbiased	1.551	1.122	0.429
100	B69_Unbiased	1.905	1.629	0.276
100	B70_Unbiased	1.551	1.608	-0.057
100	B71_Unbiased	1.809	1.735	0.074
100	B72_Unbiased	1.143	0.984	0.160
100	B73_Unbiased	1.848	1.597	0.251
100	B74_Unbiased	2.285	2.170	0.115
100	B77_Unbiased	1.339	1.267	0.072
100	B78_Unbiased	1.715	1.712	0.003
100	B79_Unbiased	1.908	1.839	0.069
100	B80_Unbiased	1.797	1.878	-0.081
100	C70_Unbiased	1.838	1.612	0.226
100	C71_Unbiased	1.580	1.406	0.174
100	C72_Unbiased	1.339	1.354	-0.015
100	C73_Unbiased	1.643	1.389	0.254
100	C75_Unbiased	1.779	1.582	0.198
100	C76_Unbiased	1.180	1.205	-0.025
100	C79_Unbiased	1.201	1.023	0.177
	Max	2.340	2.253	1.385
	Average	1.641	1.598	0.043
	Min	0.873	0.521	-0.696
	Std Dev	0.291	0.318	0.211

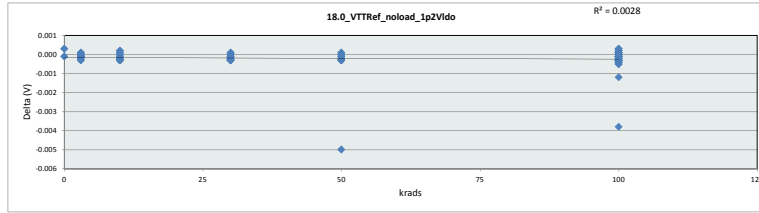


17_29_VoVref_delta_2p5VIdo_Vin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.631	1.434	1.245	0.974	0.991	0.521
Average	1.672	1.690	1.700	1.704	1.466	1.557
Max	1.712	1.874	2.134	2.253	1.956	2.170
UL	6.000	6.000	6.000	6.000	6.000	6.000

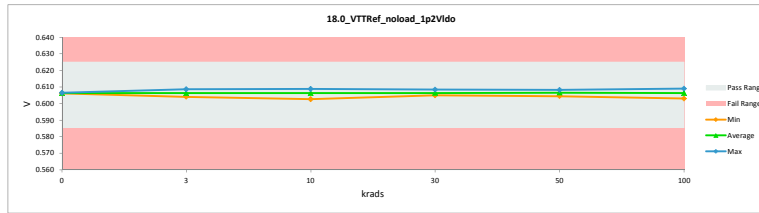


TID 100krad HDR Report
TPS7H3301-SP

18.0_VTTRef_noload_1p2Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.606	0.606	0.000
3	A116_Biased	0.607	0.607	0.000
3	A117_Biased	0.606	0.606	0.000
3	B36_Biased	0.606	0.606	0.000
3	B37_Biased	0.607	0.607	0.000
3	C39_Biased	0.606	0.606	0.000
3	A118_Unbiased	0.609	0.609	0.000
3	A140_Unbiased	0.606	0.607	0.000
3	B38_Unbiased	0.607	0.607	0.000
3	B39_Unbiased	0.604	0.604	0.000
3	C40_Unbiased	0.605	0.605	0.000
10	A119_Biased	0.607	0.607	0.000
10	A120_Biased	0.609	0.609	0.000
10	B40_Biased	0.605	0.605	0.000
10	C41_Biased	0.607	0.607	0.000
10	C42_Biased	0.609	0.609	0.000
10	A121_Unbiased	0.605	0.605	0.000
10	A124_Unbiased	0.603	0.603	0.000
10	B41_Unbiased	0.608	0.609	0.000
10	C43_Unbiased	0.605	0.605	0.000
10	C44_Unbiased	0.605	0.605	0.000
30	A125_Biased	0.607	0.607	0.000
30	B42_Biased	0.605	0.605	0.000
30	B43_Biased	0.607	0.607	0.000
30	C45_Biased	0.608	0.608	0.000
30	C46_Biased	0.605	0.605	0.000
30	A127_Unbiased	0.607	0.607	0.000
30	B45_Unbiased	0.605	0.605	0.000
30	B47_Unbiased	0.608	0.609	0.000
30	C47_Unbiased	0.606	0.606	0.000
30	C50_Unbiased	0.605	0.605	0.000
50	A128_Biased	0.607	0.607	0.000
50	A129_Biased	0.608	0.608	0.000
50	B48_Biased	0.605	0.605	0.000
50	B49_Biased	0.607	0.607	0.000
50	C51_Biased	0.608	0.608	0.000
50	A130_Unbiased	0.604	0.604	0.000
50	A131_Unbiased	0.606	0.606	0.000
50	B50_Unbiased	0.606	0.606	0.000
50	B51_Unbiased	0.603	-0.005	0.000
50	C53_Unbiased	0.606	0.606	0.000
0	106_Corr	0.606	0.607	0.000
100	A132_Biased	0.606	0.607	0.000
100	A134_Biased	0.605	0.606	-0.001
100	A135_Biased	0.606	0.606	0.000
100	B52_Biased	0.603	0.603	0.000
100	B54_Biased	0.605	0.605	0.000
100	B55_Biased	0.606	0.607	0.000
100	B56_Biased	0.608	0.608	0.000
100	B57_Biased	0.608	0.608	0.000
100	B59_Biased	0.604	0.605	0.000
100	B62_Biased	0.607	0.607	0.000
100	B63_Biased	0.606	0.606	0.000
100	B64_Biased	0.609	0.608	0.000
100	B66_Biased	0.606	0.606	0.000
100	B68_Biased	0.606	0.607	0.000
100	C54_Biased	0.605	0.605	0.000
100	C55_Biased	0.606	0.606	0.000
100	C56_Biased	0.607	0.608	0.000
100	C57_Biased	0.606	0.607	0.000
100	C58_Biased	0.606	0.606	0.000
100	C59_Biased	0.608	0.608	0.000
100	C65_Biased	0.605	0.605	0.000
100	C67_Biased	0.607	0.607	0.000
100	A122_Unbiased	0.608	0.608	0.000
100	A138_Unbiased	0.607	0.607	0.000
100	A139_Unbiased	0.606	0.606	0.000
100	B60_Unbiased	0.605	0.609	-0.004
100	B61_Unbiased	0.607	0.607	0.000
100	B69_Unbiased	0.605	0.605	0.000
100	B70_Unbiased	0.607	0.607	0.000
100	B71_Unbiased	0.605	0.605	0.000
100	B72_Unbiased	0.606	0.606	0.000
100	B73_Unbiased	0.605	0.604	0.000
100	B74_Unbiased	0.604	0.604	0.000
100	B77_Unbiased	0.606	0.605	0.000
100	B78_Unbiased	0.606	0.606	0.000
100	B79_Unbiased	0.605	0.605	0.000
100	B80_Unbiased	0.606	0.605	0.000
100	C70_Unbiased	0.604	0.604	0.000
100	C71_Unbiased	0.607	0.607	0.000
100	C72_Unbiased	0.606	0.606	0.000
100	C73_Unbiased	0.605	0.605	0.000
100	C75_Unbiased	0.607	0.607	0.000
100	C76_Unbiased	0.609	0.609	0.000
100	C78_Unbiased	0.607	0.607	0.000
Max		0.609	0.609	0.000
Average		0.606	0.606	0.000
Min		0.603	0.603	-0.005
Std Dev		0.001	0.001	0.001



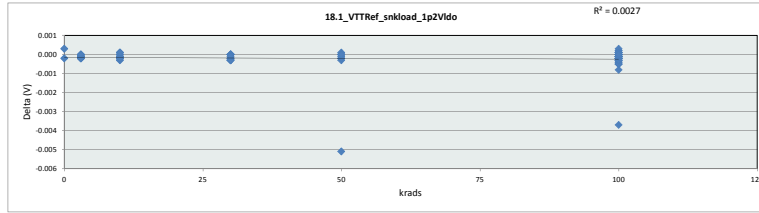
18.0_VTTRef_noload_1p2Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.606	0.604	0.603	0.605	0.605	0.603
Average	0.606	0.606	0.606	0.606	0.607	0.606
Max	0.607	0.609	0.609	0.609	0.608	0.609
UL	0.625	0.625	0.625	0.625	0.625	0.625



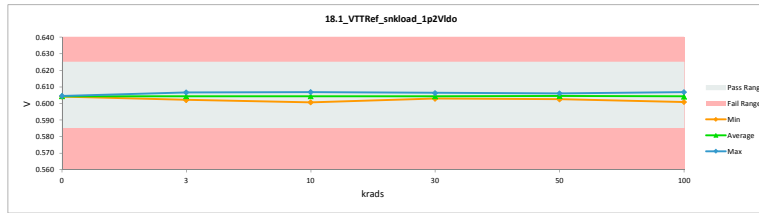
TID 100krad HDR Report
TPS7H3301-SP

18.1_VTTRef_snkload_1p2VIdc		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	0.625	0.625
Min Limit	0.585	0.585

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.604	0.604	0.000
3	A116_Biased	0.605	0.605	0.000
3	A117_Biased	0.604	0.604	0.000
3	B36_Biased	0.604	0.604	0.000
3	B37_Biased	0.605	0.605	0.000
3	C39_Biased	0.604	0.604	0.000
3	A118_Unbiased	0.607	0.607	0.000
3	A140_Unbiased	0.604	0.604	0.000
3	B38_Unbiased	0.605	0.605	0.000
3	B39_Unbiased	0.602	0.602	0.000
3	C40_Unbiased	0.603	0.603	0.000
10	A119_Biased	0.605	0.605	0.000
10	A120_Biased	0.607	0.607	0.000
10	B40_Biased	0.603	0.603	0.000
10	C41_Biased	0.605	0.605	0.000
10	C42_Biased	0.607	0.607	0.000
10	A121_Unbiased	0.603	0.603	0.000
10	A124_Unbiased	0.600	0.601	0.000
10	B41_Unbiased	0.606	0.606	0.000
10	C43_Unbiased	0.603	0.603	0.000
10	C44_Unbiased	0.603	0.603	0.000
30	A125_Biased	0.605	0.605	0.000
30	B42_Biased	0.603	0.603	0.000
30	B43_Biased	0.605	0.605	0.000
30	C45_Biased	0.606	0.606	0.000
30	C46_Biased	0.603	0.603	0.000
30	A127_Unbiased	0.605	0.605	0.000
30	B45_Unbiased	0.603	0.603	0.000
30	B47_Unbiased	0.606	0.606	0.000
30	C47_Unbiased	0.604	0.604	0.000
30	C50_Unbiased	0.603	0.603	0.000
50	A128_Biased	0.605	0.605	0.000
50	A129_Biased	0.606	0.606	0.000
50	B48_Biased	0.603	0.603	0.000
50	B49_Biased	0.605	0.605	0.000
50	C51_Biased	0.606	0.606	0.000
50	A130_Unbiased	0.602	0.603	0.000
50	A131_Unbiased	0.604	0.604	0.000
50	B50_Unbiased	0.604	0.604	0.000
50	B51_Unbiased	0.601	-0.005	0.000
50	C53_Unbiased	0.604	0.604	0.000
0	106_Corr	0.604	0.604	0.000
100	A132_Biased	0.604	0.605	-0.001
100	A134_Biased	0.603	0.604	-0.001
100	A135_Biased	0.604	0.604	0.000
100	B52_Biased	0.601	0.601	0.000
100	B54_Biased	0.603	0.603	0.000
100	B55_Biased	0.604	0.605	-0.001
100	B56_Biased	0.605	0.606	0.000
100	B57_Biased	0.606	0.606	0.000
100	B59_Biased	0.602	0.603	0.000
100	B62_Biased	0.605	0.605	0.000
100	B63_Biased	0.604	0.604	0.000
100	B64_Biased	0.606	0.606	0.000
100	B66_Biased	0.604	0.604	0.000
100	B68_Biased	0.604	0.605	-0.001
100	C54_Biased	0.603	0.603	0.000
100	C55_Biased	0.604	0.604	0.000
100	C56_Biased	0.605	0.605	0.000
100	C57_Biased	0.604	0.605	0.000
100	C58_Biased	0.604	0.604	0.000
100	C59_Biased	0.605	0.606	0.000
100	C65_Biased	0.603	0.604	0.000
100	C67_Biased	0.605	0.605	0.000
100	A122_Unbiased	0.606	0.606	0.000
100	A138_Unbiased	0.605	0.605	0.000
100	A139_Unbiased	0.604	0.604	0.000
100	B60_Unbiased	0.603	0.607	-0.004
100	B61_Unbiased	0.604	0.605	0.000
100	B69_Unbiased	0.603	0.603	0.000
100	B70_Unbiased	0.604	0.604	0.000
100	B71_Unbiased	0.603	0.603	0.000
100	B72_Unbiased	0.604	0.604	0.000
100	B73_Unbiased	0.603	0.602	0.000
100	B74_Unbiased	0.602	0.602	0.000
100	B77_Unbiased	0.604	0.603	0.000
100	B78_Unbiased	0.604	0.604	0.000
100	B79_Unbiased	0.603	0.603	0.000
100	B80_Unbiased	0.604	0.603	0.000
100	C70_Unbiased	0.602	0.602	0.000
100	C71_Unbiased	0.605	0.605	0.000
100	C72_Unbiased	0.604	0.604	0.000
100	C73_Unbiased	0.603	0.603	0.000
100	C75_Unbiased	0.604	0.604	0.000
100	C76_Unbiased	0.607	0.607	0.000
100	C79_Unbiased	0.605	0.605	0.000
	Max	0.607	0.607	0.000
	Average	0.604	0.604	0.000
	Min	0.600	0.601	-0.005
	Std Dev	0.001	0.001	0.001

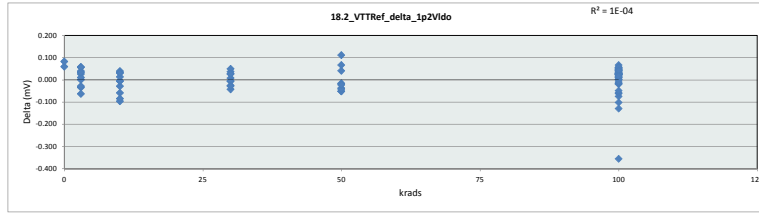


18.1_VTTRef_snkload_1p2VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.625 V					
Min Limit	0.585 V					
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.604	0.602	0.601	0.603	0.603	0.601
Average	0.604	0.604	0.604	0.604	0.605	0.604
Max	0.605	0.607	0.607	0.606	0.606	0.607
UL	0.625	0.625	0.625	0.625	0.625	0.625

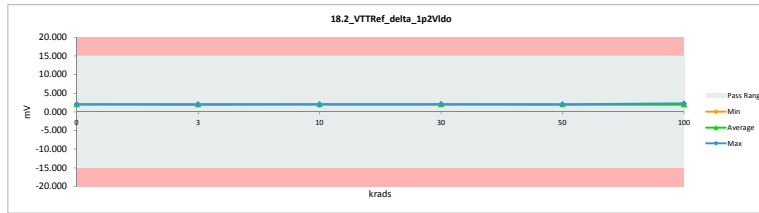


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18.2_VTTRef_delta_1p2Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.059	2.000	0.059
3	A116_Biased	2.046	2.020	0.026
3	A117_Biased	1.989	1.949	0.040
3	B36_Biased	2.013	2.013	0.000
3	B37_Biased	1.979	2.013	-0.034
3	C39_Biased	2.082	2.024	0.058
3	A118_Unbiased	1.957	1.985	-0.028
3	A140_Unbiased	2.059	2.003	0.056
3	B38_Unbiased	2.027	2.017	0.010
3	B39_Unbiased	1.938	2.001	-0.063
3	C40_Unbiased	2.066	2.032	0.034
10	A119_Biased	1.941	1.970	-0.029
10	A120_Biased	1.937	2.033	-0.096
10	B40_Biased	2.030	2.036	-0.006
10	C41_Biased	2.057	2.018	0.039
10	C42_Biased	2.039	2.045	-0.006
10	A121_Unbiased	1.924	1.992	-0.068
10	A124_Unbiased	1.977	1.963	0.014
10	B41_Unbiased	1.984	2.069	-0.085
10	C43_Unbiased	2.062	2.030	0.032
10	C44_Unbiased	2.024	1.993	0.031
30	A125_Biased	2.062	1.969	-0.096
30	B42_Biased	2.056	2.081	-0.025
30	B43_Biased	1.934	1.926	0.008
30	C45_Biased	2.040	2.004	0.036
30	C46_Biased	2.103	2.054	0.049
30	A127_Unbiased	1.918	1.925	-0.007
30	B45_Unbiased	1.997	2.040	-0.043
30	B47_Unbiased	2.050	2.078	-0.028
30	C47_Unbiased	2.010	1.984	0.026
30	C50_Unbiased	2.099	2.072	0.027
50	A128_Biased	1.971	1.986	-0.015
50	A129_Biased	2.009	2.061	-0.052
50	B48_Biased	1.982	2.034	-0.052
50	B49_Biased	1.969	2.006	-0.037
50	C51_Biased	2.020	1.979	0.041
50	A130_Unbiased	1.961	2.003	-0.042
50	A131_Unbiased	1.976	1.994	-0.018
50	B50_Unbiased	1.988	2.010	-0.022
50	B51_Unbiased	2.062	1.951	0.111
50	C53_Unbiased	2.024	1.958	0.066
0	106_Corr	2.102	2.019	0.083
100	A132_Biased	1.992	2.012	-0.020
100	A134_Biased	1.976	2.332	-0.356
100	A135_Biased	1.929	1.991	-0.062
100	B52_Biased	2.073	2.063	0.010
100	B54_Biased	1.999	2.015	-0.016
100	B55_Biased	1.970	1.967	0.003
100	B56_Biased	2.020	2.019	0.001
100	B57_Biased	1.968	2.070	-0.102
100	B59_Biased	2.042	2.117	-0.075
100	B62_Biased	1.962	1.934	0.028
100	B63_Biased	2.068	2.026	0.042
100	B64_Biased	2.106	2.092	0.014
100	B66_Biased	2.057	2.007	0.050
100	B68_Biased	2.049	1.982	0.067
100	C54_Biased	2.056	2.000	0.056
100	C55_Biased	2.014	1.983	0.031
100	C56_Biased	2.042	2.014	0.028
100	C57_Biased	1.991	1.941	0.050
100	C58_Biased	2.018	1.994	0.024
100	C59_Biased	2.011	1.968	0.043
100	C65_Biased	2.026	1.979	0.047
100	C67_Biased	2.027	2.000	0.027
100	A122_Unbiased	1.927	2.057	-0.130
100	A138_Unbiased	1.963	2.021	-0.058
100	A139_Unbiased	1.899	1.914	-0.015
100	B60_Unbiased	2.078	2.126	-0.048
100	B61_Unbiased	2.049	2.001	0.048
100	B69_Unbiased	2.078	2.055	0.023
100	B70_Unbiased	2.049	2.028	0.021
100	B71_Unbiased	2.103	2.093	0.010
100	B72_Unbiased	2.075	2.046	0.029
100	B73_Unbiased	2.035	2.009	0.026
100	B74_Unbiased	2.075	2.052	0.023
100	B77_Unbiased	2.056	2.055	0.001
100	B78_Unbiased	2.034	1.989	0.045
100	B79_Unbiased	2.078	2.046	0.032
100	B80_Unbiased	2.067	2.029	0.038
100	C70_Unbiased	2.008	1.954	0.054
100	C71_Unbiased	2.024	1.998	0.026
100	C72_Unbiased	2.040	2.005	0.035
100	C73_Unbiased	2.032	2.009	0.023
100	C75_Unbiased	2.109	2.067	0.042
100	C76_Unbiased	2.020	2.029	-0.009
100	C79_Unbiased	2.041	2.025	0.016
	Max	2.109	2.332	0.111
	Average	2.019	2.017	0.003
	Min	1.899	1.914	-0.356
	Std Dev	0.050	0.054	0.059

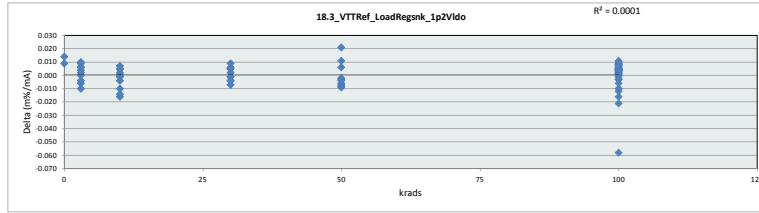


18.2_VTTRef_delta_1p2Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	2.000	1.949	1.963	1.925	1.951	1.914
Average	2.010	2.006	2.014	2.013	1.998	2.025
Max	2.019	2.032	2.069	2.081	2.061	2.332
UL	15.000	15.000	15.000	15.000	15.000	15.000

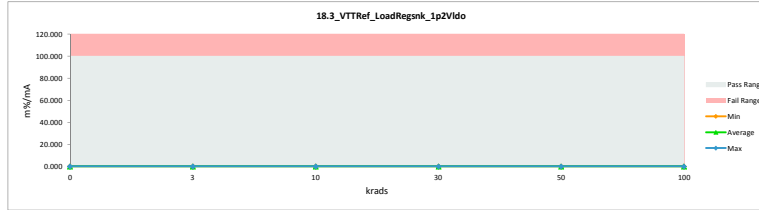


TID 100krad HDR Report
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18_3_VTTRef_LoadReqs_k_1p2V1				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.339	0.330	0.009
3	A116_Biased	0.337	0.333	0.004
3	A117_Biased	0.328	0.322	0.006
3	B36_Biased	0.332	0.332	0.000
3	B37_Biased	0.326	0.332	-0.006
3	C39_Biased	0.344	0.334	0.010
3	A118_Unbiased	0.322	0.326	-0.004
3	A140_Unbiased	0.339	0.330	0.009
3	B38_Unbiased	0.334	0.332	0.002
3	B39_Unbiased	0.321	0.331	-0.010
3	C40_Unbiased	0.342	0.336	0.006
10	A119_Biased	0.320	0.324	-0.004
10	A120_Biased	0.318	0.314	-0.016
10	B40_Biased	0.336	0.336	0.000
10	C41_Biased	0.339	0.332	0.007
10	C42_Biased	0.335	0.336	-0.001
10	A121_Unbiased	0.318	0.328	-0.010
10	A124_Unbiased	0.328	0.326	0.002
10	B41_Unbiased	0.326	0.340	-0.014
10	C43_Unbiased	0.341	0.336	0.005
10	C44_Unbiased	0.334	0.329	0.005
30	A125_Biased	0.324	0.325	-0.001
30	B42_Biased	0.340	0.344	-0.004
30	B43_Biased	0.319	0.317	0.002
30	C45_Biased	0.335	0.329	0.006
30	C46_Biased	0.348	0.339	0.009
30	A127_Unbiased	0.316	0.317	-0.001
30	B45_Unbiased	0.330	0.337	-0.007
30	B47_Unbiased	0.337	0.341	-0.004
30	C47_Unbiased	0.332	0.327	0.005
30	C50_Unbiased	0.347	0.342	0.005
50	A128_Biased	0.325	0.327	-0.002
50	A129_Biased	0.330	0.339	-0.009
50	B48_Biased	0.328	0.336	-0.008
50	B49_Biased	0.324	0.331	-0.007
50	C51_Biased	0.332	0.326	0.006
50	A130_Unbiased	0.325	0.331	-0.006
50	A131_Unbiased	0.326	0.329	-0.003
50	B50_Unbiased	0.328	0.332	-0.004
50	B51_Unbiased	0.321	0.321	0.000
50	C53_Unbiased	0.334	0.323	0.011
0	106_Corr	0.347	0.333	0.014
100	A132_Biased	0.329	0.332	-0.003
100	A134_Biased	0.327	0.385	-0.058
100	A135_Biased	0.318	0.328	-0.010
100	B52_Biased	0.344	0.342	0.002
100	B54_Biased	0.330	0.333	-0.003
100	B55_Biased	0.325	0.324	0.001
100	B56_Biased	0.333	0.332	0.001
100	B57_Biased	0.324	0.340	-0.016
100	B59_Biased	0.338	0.350	-0.012
100	B62_Biased	0.323	0.319	0.004
100	B63_Biased	0.341	0.334	0.007
100	B64_Biased	0.346	0.344	0.002
100	B66_Biased	0.339	0.331	0.008
100	B68_Biased	0.338	0.327	0.011
100	C54_Biased	0.340	0.331	0.009
100	C55_Biased	0.332	0.327	0.005
100	C56_Biased	0.336	0.331	0.005
100	C57_Biased	0.328	0.320	0.008
100	C58_Biased	0.333	0.329	0.004
100	C59_Biased	0.331	0.324	0.007
100	C65_Biased	0.331	0.327	0.004
100	C67_Biased	0.334	0.329	0.005
100	A122_Unbiased	0.317	0.338	-0.021
100	A138_Unbiased	0.323	0.333	-0.010
100	A139_Unbiased	0.313	0.316	-0.003
100	B60_Unbiased	0.343	0.349	-0.006
100	B61_Unbiased	0.338	0.330	0.008
100	B69_Unbiased	0.343	0.339	0.004
100	B70_Unbiased	0.338	0.334	0.004
100	B71_Unbiased	0.347	0.346	0.001
100	B72_Unbiased	0.343	0.338	0.005
100	B73_Unbiased	0.337	0.332	0.005
100	B74_Unbiased	0.343	0.340	0.003
100	B77_Unbiased	0.339	0.339	0.000
100	B78_Unbiased	0.338	0.336	0.002
100	B79_Unbiased	0.343	0.338	0.005
100	B80_Unbiased	0.341	0.335	0.006
100	C70_Unbiased	0.333	0.324	0.009
100	C71_Unbiased	0.339	0.329	0.010
100	C72_Unbiased	0.336	0.331	0.005
100	C73_Unbiased	0.336	0.332	0.004
100	C75_Unbiased	0.348	0.341	0.007
100	C76_Unbiased	0.332	0.333	-0.001
100	C79_Unbiased	0.336	0.333	0.003
	Max	0.348	0.385	0.021
	Average	0.333	0.333	0.001
	Min	0.313	0.316	-0.058
	Std Dev	0.008	0.009	0.010

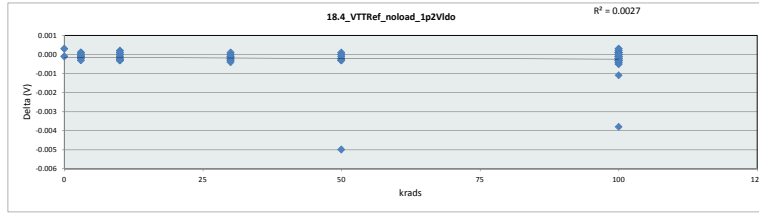


18_3_VTTRef_LoadReqs_k_1p2V2						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.330	0.322	0.324	0.317	0.321	0.316
Average	0.332	0.331	0.332	0.332	0.330	0.334
Max	0.333	0.336	0.340	0.344	0.339	0.385
UL	100.000	100.000	100.000	100.000	100.000	100.000

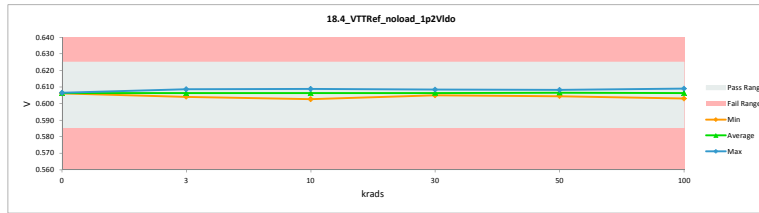


TID 100krad HDR Report
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18.4_VTTRef_noload_1p2Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	id_HDR_LOT1545Ad_HDR_Lot1545A	Delta	
0	374_Corr	0.606	0.606	0.000
3	A116_Biased	0.607	0.607	0.000
3	A117_Biased	0.606	0.606	0.000
3	B36_Biased	0.606	0.606	0.000
3	B37_Biased	0.607	0.607	0.000
3	C39_Biased	0.606	0.606	0.000
3	A118_Unbiased	0.609	0.609	0.000
3	A140_Unbiased	0.606	0.607	0.000
3	B38_Unbiased	0.607	0.607	0.000
3	B39_Unbiased	0.604	0.604	0.000
3	C40_Unbiased	0.605	0.605	0.000
10	A119_Biased	0.607	0.607	0.000
10	A120_Biased	0.609	0.609	0.000
10	B40_Biased	0.605	0.605	0.000
10	C41_Biased	0.607	0.607	0.000
10	C42_Biased	0.609	0.609	0.000
10	A121_Unbiased	0.605	0.605	0.000
10	A124_Unbiased	0.603	0.603	0.000
10	B41_Unbiased	0.608	0.609	0.000
10	C43_Unbiased	0.605	0.605	0.000
10	C44_Unbiased	0.605	0.605	0.000
30	A125_Biased	0.607	0.607	0.000
30	B42_Biased	0.605	0.605	0.000
30	B43_Biased	0.607	0.607	0.000
30	C45_Biased	0.608	0.608	0.000
30	C46_Biased	0.605	0.605	0.000
30	A127_Unbiased	0.607	0.607	0.000
30	B45_Unbiased	0.605	0.605	0.000
30	B47_Unbiased	0.608	0.609	0.000
30	C47_Unbiased	0.606	0.606	0.000
30	C50_Unbiased	0.605	0.605	0.000
50	A128_Biased	0.607	0.607	0.000
50	A129_Biased	0.608	0.608	0.000
50	B48_Biased	0.605	0.605	0.000
50	B49_Biased	0.607	0.607	0.000
50	C51_Biased	0.608	0.608	0.000
50	A130_Unbiased	0.604	0.604	0.000
50	A131_Unbiased	0.606	0.606	0.000
50	B50_Unbiased	0.606	0.606	0.000
50	B51_Unbiased	0.603	-0.005	0.000
50	C53_Unbiased	0.606	0.606	0.000
0	106_Corr	0.606	0.607	0.000
100	A132_Biased	0.606	0.607	0.000
100	A134_Biased	0.605	0.606	-0.001
100	A135_Biased	0.606	0.606	0.000
100	B52_Biased	0.603	0.603	0.000
100	B54_Biased	0.605	0.605	0.000
100	B55_Biased	0.606	0.607	0.000
100	B56_Biased	0.608	0.608	0.000
100	B57_Biased	0.608	0.608	0.000
100	B59_Biased	0.604	0.605	0.000
100	B62_Biased	0.607	0.607	0.000
100	B63_Biased	0.606	0.606	0.000
100	B64_Biased	0.609	0.608	0.000
100	B66_Biased	0.606	0.606	0.000
100	B68_Biased	0.606	0.607	0.000
100	C54_Biased	0.605	0.605	0.000
100	C55_Biased	0.606	0.606	0.000
100	C56_Biased	0.607	0.608	0.000
100	C57_Biased	0.606	0.607	0.000
100	C58_Biased	0.606	0.606	0.000
100	C59_Biased	0.608	0.608	0.000
100	C65_Biased	0.605	0.605	0.000
100	C67_Biased	0.607	0.607	0.000
100	A122_Unbiased	0.608	0.608	0.000
100	A138_Unbiased	0.607	0.607	0.000
100	A139_Unbiased	0.606	0.606	0.000
100	B60_Unbiased	0.605	0.609	-0.004
100	B61_Unbiased	0.607	0.607	0.000
100	B69_Unbiased	0.605	0.605	0.000
100	B70_Unbiased	0.607	0.607	0.000
100	B71_Unbiased	0.605	0.605	0.000
100	B72_Unbiased	0.606	0.606	0.000
100	B73_Unbiased	0.605	0.604	0.000
100	B74_Unbiased	0.604	0.604	0.000
100	B77_Unbiased	0.606	0.605	0.000
100	B78_Unbiased	0.606	0.606	0.000
100	B79_Unbiased	0.605	0.605	0.000
100	B80_Unbiased	0.606	0.605	0.000
100	C70_Unbiased	0.604	0.604	0.000
100	C71_Unbiased	0.607	0.607	0.000
100	C72_Unbiased	0.606	0.606	0.000
100	C73_Unbiased	0.605	0.605	0.000
100	C75_Unbiased	0.607	0.607	0.000
100	C76_Unbiased	0.609	0.609	0.000
100	C78_Unbiased	0.607	0.607	0.000
	Max	0.609	0.609	0.000
	Average	0.606	0.606	0.000
	Min	0.603	0.603	-0.005
	Std Dev	0.001	0.001	0.001

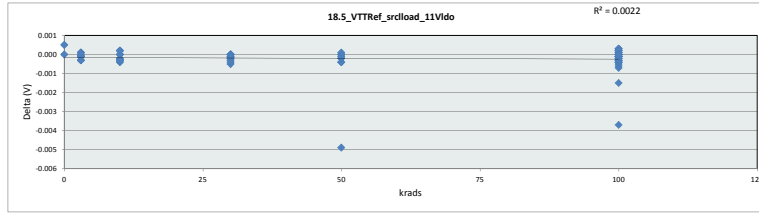


18.4_VTTRef_noload_1p2Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.606	0.604	0.603	0.605	0.605	0.603
Average	0.606	0.606	0.606	0.606	0.607	0.606
Max	0.607	0.609	0.609	0.609	0.608	0.609
UL	0.625	0.625	0.625	0.625	0.625	0.625

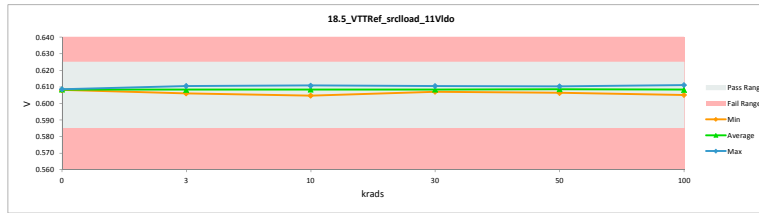


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18.5_VTTRef_srcload_11Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.609	0.608	0.001
3	A116_Biased	0.609	0.609	0.000
3	A117_Biased	0.608	0.608	0.000
3	B36_Biased	0.608	0.608	0.000
3	B37_Biased	0.609	0.609	0.000
3	C39_Biased	0.608	0.608	0.000
3	A118_Unbiased	0.610	0.610	0.000
3	A140_Unbiased	0.609	0.609	0.000
3	B38_Unbiased	0.609	0.609	0.000
3	B39_Unbiased	0.606	0.606	0.000
3	C40_Unbiased	0.607	0.607	0.000
10	A119_Biased	0.609	0.609	0.000
10	A120_Biased	0.610	0.611	0.000
10	B40_Biased	0.607	0.608	0.000
10	C41_Biased	0.609	0.609	0.000
10	C42_Biased	0.611	0.611	0.000
10	A121_Unbiased	0.607	0.607	0.000
10	A124_Unbiased	0.604	0.605	0.000
10	B41_Unbiased	0.610	0.610	0.000
10	C43_Unbiased	0.607	0.607	0.000
10	C44_Unbiased	0.607	0.607	0.000
30	A125_Biased	0.609	0.609	0.000
30	B42_Biased	0.607	0.607	0.000
30	B43_Biased	0.609	0.609	0.000
30	C45_Biased	0.610	0.610	0.000
30	C46_Biased	0.607	0.607	0.000
30	A127_Unbiased	0.608	0.609	-0.001
30	B45_Unbiased	0.607	0.607	0.000
30	B47_Unbiased	0.610	0.610	0.000
30	C47_Unbiased	0.608	0.608	0.000
30	C50_Unbiased	0.607	0.608	0.000
50	A128_Biased	0.609	0.609	0.000
50	A129_Biased	0.610	0.610	0.000
50	B48_Biased	0.607	0.607	0.000
50	B49_Biased	0.609	0.609	0.000
50	C51_Biased	0.610	0.610	0.000
50	A130_Unbiased	0.606	0.606	0.000
50	A131_Unbiased	0.608	0.608	0.000
50	B50_Unbiased	0.608	0.608	0.000
50	B51_Unbiased	0.605	0.610	-0.005
50	C53_Unbiased	0.608	0.608	0.000
0	106_Corr	0.609	0.609	0.000
100	A132_Biased	0.608	0.609	-0.001
100	A134_Biased	0.607	0.608	-0.002
100	A135_Biased	0.608	0.608	0.000
100	B52_Biased	0.605	0.605	0.000
100	B54_Biased	0.607	0.607	0.000
100	B55_Biased	0.608	0.609	-0.001
100	B56_Biased	0.610	0.610	0.000
100	B57_Biased	0.610	0.610	-0.001
100	B59_Biased	0.606	0.607	0.000
100	B62_Biased	0.609	0.609	0.000
100	B63_Biased	0.609	0.609	0.000
100	B64_Biased	0.611	0.610	0.000
100	B66_Biased	0.608	0.608	0.000
100	B68_Biased	0.608	0.609	0.000
100	C54_Biased	0.607	0.607	0.000
100	C55_Biased	0.608	0.608	0.000
100	C56_Biased	0.609	0.610	0.000
100	C57_Biased	0.609	0.609	0.000
100	C58_Biased	0.608	0.608	0.000
100	C59_Biased	0.609	0.610	0.000
100	C65_Biased	0.607	0.607	0.000
100	C67_Biased	0.609	0.609	0.000
100	A122_Unbiased	0.610	0.610	0.000
100	A138_Unbiased	0.609	0.609	0.000
100	A139_Unbiased	0.608	0.608	0.000
100	B60_Unbiased	0.607	0.611	-0.004
100	B61_Unbiased	0.609	0.609	0.000
100	B69_Unbiased	0.607	0.607	0.000
100	B70_Unbiased	0.609	0.609	0.000
100	B71_Unbiased	0.607	0.607	0.000
100	B72_Unbiased	0.608	0.608	0.000
100	B73_Unbiased	0.607	0.606	0.000
100	B74_Unbiased	0.607	0.606	0.000
100	B77_Unbiased	0.608	0.608	0.000
100	B78_Unbiased	0.608	0.608	0.000
100	B79_Unbiased	0.607	0.608	0.000
100	B80_Unbiased	0.608	0.608	0.000
100	C70_Unbiased	0.606	0.606	0.000
100	C71_Unbiased	0.609	0.609	0.000
100	C72_Unbiased	0.608	0.609	0.000
100	C73_Unbiased	0.607	0.607	0.000
100	C75_Unbiased	0.609	0.609	0.000
100	C76_Unbiased	0.611	0.611	0.000
100	C79_Unbiased	0.609	0.609	0.000
	Max	0.611	0.611	0.001
	Average	0.608	0.608	0.000
	Min	0.604	0.605	-0.005
	Std Dev	0.001	0.001	0.001

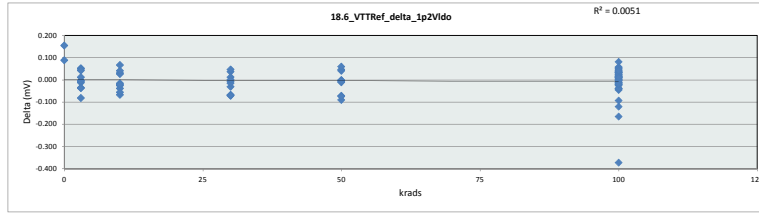


18.5_VTTRef_srcload_11Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625 V					
Min Limit	0.585 V					
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.608	0.606	0.605	0.607	0.606	0.605
Average	0.608	0.608	0.608	0.608	0.609	0.608
Max	0.609	0.611	0.611	0.611	0.610	0.611
UL	0.625	0.625	0.625	0.625	0.625	0.625

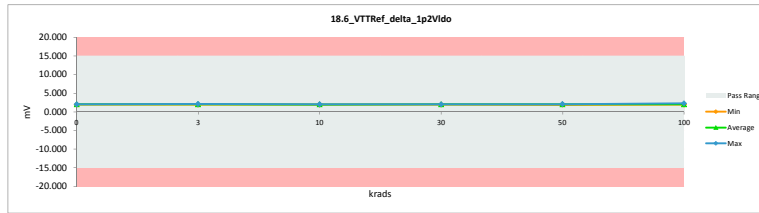


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18.6_VTTRef_delta_1p2Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.119	1.965	0.154
3	A116_Biased	2.082	2.095	-0.013
3	A117_Biased	1.945	1.949	-0.004
3	B36_Biased	1.973	2.009	-0.036
3	B37_Biased	2.012	2.094	-0.082
3	C39_Biased	2.052	2.000	0.052
3	A118_Unbiased	1.932	1.938	-0.006
3	A140_Unbiased	2.119	2.070	0.049
3	B38_Unbiased	2.084	2.072	0.012
3	B39_Unbiased	1.938	1.975	-0.037
3	C40_Unbiased	2.040	1.998	0.042
10	A119_Biased	1.956	2.024	-0.068
10	A120_Biased	1.940	1.940	-0.015
10	B40_Biased	1.986	2.025	-0.039
10	C41_Biased	2.109	2.042	0.067
10	C42_Biased	2.015	1.984	0.031
10	A121_Unbiased	1.903	1.928	-0.025
10	A124_Unbiased	1.972	2.028	-0.056
10	B41_Unbiased	1.996	2.017	-0.021
10	C43_Unbiased	2.035	2.009	0.026
10	C44_Unbiased	1.985	1.944	0.041
30	A125_Biased	1.976	2.047	-0.071
30	B42_Biased	2.023	2.055	-0.032
30	B43_Biased	1.967	2.035	-0.068
30	C45_Biased	2.014	1.977	0.037
30	C46_Biased	2.060	2.014	0.046
30	A127_Unbiased	1.950	2.020	-0.070
30	B45_Unbiased	1.993	2.001	-0.008
30	B47_Unbiased	2.019	2.035	-0.016
30	C47_Unbiased	1.965	1.953	0.012
30	C50_Unbiased	2.056	2.056	0.000
50	A128_Biased	2.013	2.015	-0.002
50	A129_Biased	2.104	2.063	0.041
50	B48_Biased	1.921	2.011	-0.090
50	B49_Biased	2.007	2.079	-0.072
50	C51_Biased	2.070	2.071	-0.001
50	A130_Unbiased	1.971	1.982	-0.011
50	A131_Unbiased	1.973	1.980	-0.007
50	B50_Unbiased	1.939	2.013	-0.074
50	B51_Unbiased	2.098	2.051	0.047
50	C53_Unbiased	1.974	1.914	0.060
0	106_Corr	2.167	2.078	0.089
100	A132_Biased	1.924	2.090	-0.166
100	A134_Biased	1.959	2.332	-0.373
100	A135_Biased	1.881	2.002	-0.121
100	B52_Biased	2.105	2.115	-0.010
100	B54_Biased	1.948	1.990	-0.042
100	B55_Biased	1.956	2.049	-0.093
100	B56_Biased	2.076	2.095	-0.019
100	B57_Biased	2.037	2.035	0.002
100	B59_Biased	2.050	2.095	-0.045
100	B62_Biased	2.030	1.975	0.055
100	B63_Biased	2.092	2.078	0.014
100	B64_Biased	2.090	2.058	0.032
100	B66_Biased	2.073	1.992	0.081
100	B68_Biased	2.054	2.065	-0.011
100	C54_Biased	2.023	1.965	0.058
100	C55_Biased	1.978	2.003	-0.025
100	C56_Biased	2.090	2.093	-0.003
100	C57_Biased	2.026	2.010	0.016
100	C58_Biased	1.987	1.953	0.034
100	C59_Biased	2.049	2.038	0.011
100	C65_Biased	1.991	1.948	0.023
100	C67_Biased	2.097	2.054	0.043
100	A122_Unbiased	2.038	2.035	0.003
100	A138_Unbiased	2.023	2.062	-0.039
100	A139_Unbiased	1.882	1.920	-0.038
100	B60_Unbiased	2.047	2.067	-0.020
100	B61_Unbiased	2.072	2.085	-0.013
100	B69_Unbiased	2.047	2.029	0.018
100	B70_Unbiased	2.072	2.090	-0.018
100	B71_Unbiased	2.080	2.005	0.025
100	B72_Unbiased	2.057	2.034	0.023
100	B73_Unbiased	2.021	2.008	0.013
100	B74_Unbiased	2.069	2.033	0.036
100	B77_Unbiased	2.043	2.025	0.018
100	B78_Unbiased	2.020	1.971	0.049
100	B79_Unbiased	2.051	2.016	0.035
100	B80_Unbiased	2.054	2.019	0.035
100	C70_Unbiased	1.969	1.958	0.011
100	C71_Unbiased	2.103	2.075	0.028
100	C72_Unbiased	2.048	2.050	-0.002
100	C73_Unbiased	2.006	1.956	0.050
100	C75_Unbiased	2.123	2.143	-0.020
100	C76_Unbiased	2.006	1.965	0.041
100	C79_Unbiased	2.087	2.077	0.010
	Max	2.167	2.332	0.154
	Average	2.022	2.027	-0.005
	Min	1.881	1.914	-0.373
	Std Dev	0.060	0.060	0.063

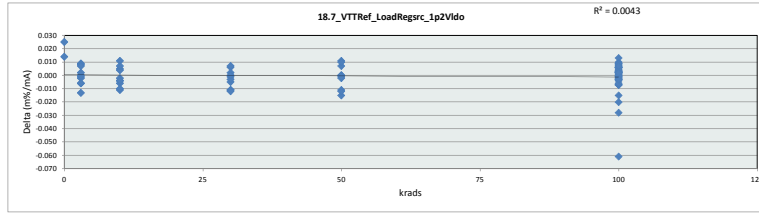


18.6_VTTRef_delta_1p2Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.965	1.938	1.928	1.953	1.914	1.920
Average	2.022	2.020	1.996	2.019	2.018	2.040
Max	2.078	2.095	2.042	2.056	2.079	2.332
UL	15.000	15.000	15.000	15.000	15.000	15.000

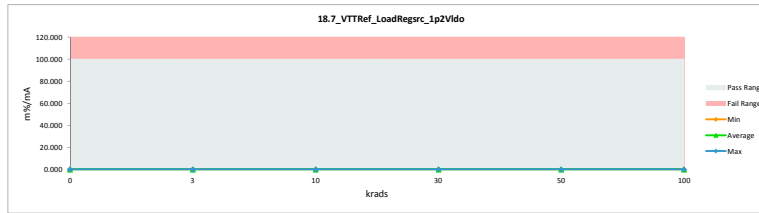


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18.7_VTTRef_LoadReqsrc_1p2Vid				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.349	0.324	0.025
3	A116_Biased	0.343	0.345	-0.002
3	A117_Biased	0.321	0.322	-0.001
3	B36_Biased	0.325	0.331	-0.006
3	B37_Biased	0.332	0.345	-0.013
3	C39_Unbiased	0.339	0.330	0.009
3	A118_Unbiased	0.318	0.318	0.000
3	A140_Unbiased	0.349	0.341	0.008
3	B38_Unbiased	0.343	0.341	0.002
3	B39_Unbiased	0.321	0.327	-0.006
3	C40_Unbiased	0.337	0.330	0.007
10	A119_Biased	0.322	0.333	-0.011
10	A120_Biased	0.320	0.322	-0.002
10	B40_Biased	0.328	0.334	-0.006
10	C41_Biased	0.347	0.336	0.011
10	C42_Biased	0.331	0.326	0.005
10	A121_Unbiased	0.315	0.319	-0.004
10	A124_Unbiased	0.327	0.337	-0.010
10	B41_Unbiased	0.328	0.332	-0.004
10	C43_Unbiased	0.336	0.332	0.004
10	C44_Unbiased	0.328	0.321	0.007
30	A125_Biased	0.326	0.337	-0.011
30	B42_Biased	0.334	0.339	-0.005
30	B43_Biased	0.324	0.335	-0.011
30	C45_Biased	0.331	0.325	0.006
30	C46_Biased	0.340	0.333	0.007
30	A127_Unbiased	0.321	0.333	-0.012
30	B45_Unbiased	0.330	0.331	-0.001
30	B47_Unbiased	0.332	0.335	-0.003
30	C47_Unbiased	0.324	0.322	0.002
30	C50_Unbiased	0.340	0.340	0.000
50	A128_Biased	0.332	0.332	0.000
50	A129_Biased	0.346	0.339	0.007
50	B48_Biased	0.317	0.332	-0.015
50	B49_Biased	0.331	0.342	-0.011
50	C51_Biased	0.341	0.341	0.000
50	A130_Unbiased	0.326	0.328	-0.002
50	A131_Unbiased	0.326	0.327	-0.001
50	B50_Unbiased	0.320	0.332	-0.012
50	B51_Unbiased	0.337	0.337	0.000
50	C53_Unbiased	0.326	0.316	0.010
0	106_Corr	0.357	0.343	0.014
100	A132_Biased	0.317	0.345	-0.028
100	A134_Biased	0.324	0.385	-0.061
100	A135_Biased	0.310	0.330	-0.020
100	B52_Biased	0.349	0.351	-0.002
100	B54_Biased	0.322	0.329	-0.007
100	B55_Biased	0.323	0.338	-0.015
100	B56_Biased	0.342	0.345	-0.003
100	B57_Biased	0.335	0.335	0.000
100	B59_Biased	0.339	0.346	-0.007
100	B62_Biased	0.335	0.325	0.010
100	B63_Biased	0.345	0.343	0.002
100	B64_Biased	0.344	0.338	0.006
100	B66_Biased	0.342	0.329	0.013
100	B68_Biased	0.339	0.340	-0.001
100	C54_Biased	0.334	0.325	0.009
100	C55_Biased	0.326	0.330	-0.004
100	C56_Biased	0.344	0.345	-0.001
100	C57_Biased	0.334	0.331	0.003
100	C58_Biased	0.328	0.322	0.006
100	C59_Biased	0.337	0.335	0.002
100	C65_Biased	0.329	0.325	0.004
100	C67_Biased	0.345	0.338	0.007
100	A122_Unbiased	0.335	0.334	0.001
100	A138_Unbiased	0.333	0.340	-0.007
100	A139_Unbiased	0.311	0.317	-0.006
100	B60_Unbiased	0.338	0.339	-0.001
100	B61_Unbiased	0.342	0.344	-0.002
100	B69_Unbiased	0.338	0.335	0.003
100	B70_Unbiased	0.342	0.345	-0.003
100	B71_Unbiased	0.344	0.343	0.001
100	B72_Unbiased	0.340	0.336	0.004
100	B73_Unbiased	0.334	0.332	0.002
100	B74_Unbiased	0.342	0.336	0.006
100	B77_Unbiased	0.337	0.334	0.003
100	B78_Unbiased	0.333	0.325	0.008
100	B79_Unbiased	0.339	0.333	0.006
100	B80_Unbiased	0.339	0.333	0.006
100	C70_Unbiased	0.326	0.324	0.002
100	C71_Unbiased	0.347	0.342	0.005
100	C72_Unbiased	0.338	0.338	0.000
100	C73_Unbiased	0.332	0.323	0.009
100	C75_Unbiased	0.350	0.353	-0.003
100	C76_Unbiased	0.330	0.323	0.007
100	C79_Unbiased	0.344	0.342	0.002
	Max	0.357	0.385	0.025
	Average	0.334	0.334	-0.001
	Min	0.310	0.316	-0.061
	Std Dev	0.010	0.010	0.010

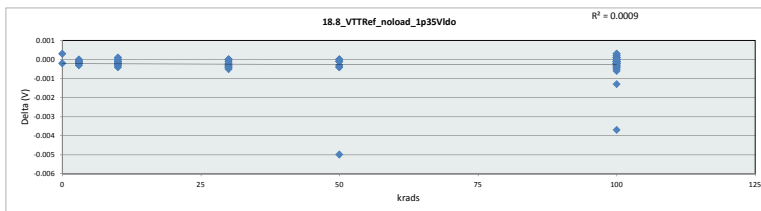


18.7_VTTRef_LoadReqsrc_1p2						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.324	0.318	0.319	0.322	0.316	0.317
Average	0.334	0.333	0.329	0.333	0.333	0.336
Max	0.343	0.345	0.337	0.340	0.342	0.385
UL	100.000	100.000	100.000	100.000	100.000	100.000

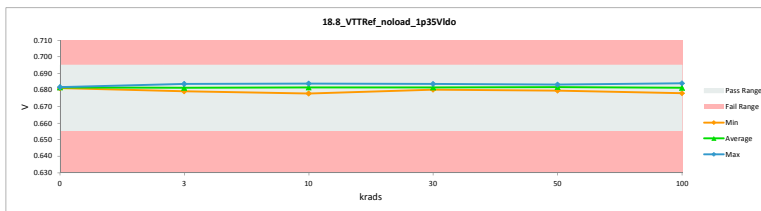


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18.8_VTTRef_noload_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.682	0.681	0.000
3	A116_Biased	0.682	0.682	0.000
3	A117_Biased	0.681	0.681	0.000
3	B36_Biased	0.681	0.681	0.000
3	B37_Biased	0.682	0.682	0.000
3	C39_Biased	0.681	0.681	0.000
3	A118_Unbiased	0.683	0.684	0.000
3	A140_Unbiased	0.682	0.682	0.000
3	B38_Unbiased	0.682	0.682	0.000
3	B39_Unbiased	0.679	0.679	0.000
3	C40_Unbiased	0.680	0.680	0.000
10	A119_Biased	0.682	0.683	0.000
10	A120_Biased	0.684	0.684	0.000
10	B40_Biased	0.680	0.681	0.000
10	C41_Biased	0.682	0.682	0.000
10	C42_Biased	0.684	0.684	0.000
10	A121_Unbiased	0.680	0.680	0.000
10	A124_Unbiased	0.678	0.678	0.000
10	B41_Unbiased	0.683	0.683	0.000
10	C43_Unbiased	0.680	0.680	0.000
10	C44_Unbiased	0.680	0.680	0.000
30	A125_Biased	0.682	0.682	0.000
30	B42_Biased	0.680	0.680	0.000
30	B43_Biased	0.682	0.682	0.000
30	C45_Biased	0.683	0.683	0.000
30	C46_Biased	0.680	0.680	0.000
30	A127_Unbiased	0.682	0.682	0.000
30	B45_Unbiased	0.680	0.680	0.000
30	B47_Unbiased	0.683	0.684	0.000
30	C47_Unbiased	0.681	0.681	0.000
30	C50_Unbiased	0.680	0.681	0.000
50	A128_Biased	0.682	0.682	0.000
50	A129_Biased	0.683	0.683	0.000
50	B48_Biased	0.680	0.680	0.000
50	B49_Biased	0.682	0.682	0.000
50	C51_Biased	0.683	0.683	0.000
50	A130_Unbiased	0.679	0.680	0.000
50	A131_Unbiased	0.681	0.681	0.000
50	B50_Unbiased	0.681	0.681	0.000
50	B51_Unbiased	0.678	-0.005	0.000
50	C53_Biased	0.681	0.681	0.000
0	106_Corr	0.682	0.682	0.000
100	A132_Biased	0.681	0.682	0.000
100	A134_Biased	0.680	0.681	-0.001
100	A135_Biased	0.681	0.681	0.000
100	B52_Biased	0.678	0.678	0.000
100	B54_Biased	0.680	0.680	0.000
100	B55_Biased	0.681	0.682	-0.001
100	B56_Biased	0.683	0.683	0.000
100	B57_Biased	0.683	0.683	0.000
100	B59_Biased	0.679	0.680	0.000
100	B62_Biased	0.682	0.682	0.000
100	B63_Biased	0.682	0.682	0.000
100	B64_Biased	0.684	0.683	0.000
100	B66_Biased	0.681	0.681	0.000
100	B68_Biased	0.681	0.682	0.000
100	C54_Biased	0.680	0.680	0.000
100	C55_Biased	0.681	0.681	0.000
100	C56_Biased	0.683	0.683	0.000
100	C57_Biased	0.682	0.682	0.000
100	C58_Biased	0.681	0.681	0.000
100	C59_Biased	0.683	0.683	0.000
100	C65_Biased	0.681	0.681	0.000
100	C67_Biased	0.682	0.682	0.000
100	A122_Unbiased	0.683	0.683	0.000
100	A138_Unbiased	0.682	0.682	0.000
100	A139_Unbiased	0.681	0.681	0.000
100	B60_Unbiased	0.680	0.684	-0.004
100	B61_Unbiased	0.682	0.682	0.000
100	B69_Unbiased	0.680	0.680	0.000
100	B70_Unbiased	0.682	0.682	0.000
100	B71_Unbiased	0.680	0.680	0.000
100	B72_Unbiased	0.681	0.681	0.000
100	B73_Unbiased	0.680	0.679	0.000
100	B74_Unbiased	0.679	0.679	0.000
100	B77_Unbiased	0.681	0.681	0.000
100	B78_Unbiased	0.681	0.681	0.000
100	B79_Unbiased	0.680	0.681	0.000
100	B80_Unbiased	0.681	0.681	0.000
100	C70_Unbiased	0.679	0.679	0.000
100	C71_Unbiased	0.682	0.682	0.000
100	C72_Unbiased	0.681	0.682	0.000
100	C73_Unbiased	0.680	0.680	0.000
100	C75_Unbiased	0.682	0.682	0.000
100	C76_Unbiased	0.684	0.684	0.000
100	C78_Unbiased	0.682	0.682	0.000
Max	0.684	0.684	0.000	
Average	0.681	0.681	0.000	
Min	0.678	0.678	-0.005	
Std Dev	0.001	0.001	0.001	

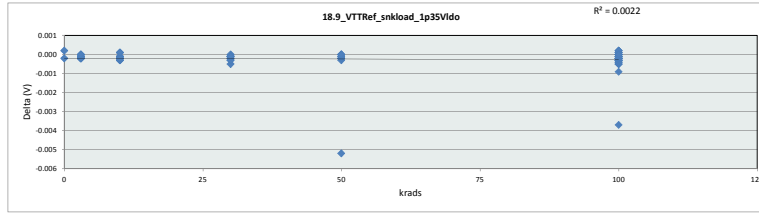


18.8_VTTRef_noload_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.681	0.679	0.678	0.680	0.680	0.678
Average	0.681	0.681	0.681	0.682	0.682	0.681
Max	0.682	0.684	0.684	0.684	0.683	0.684
UL	0.695	0.695	0.695	0.695	0.695	0.695

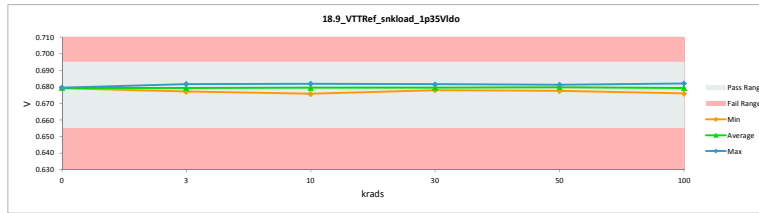


TID 100krad HDR Report
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18.9_VTTRef_snkload_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.679	0.679	0.000
3	A116_Biased	0.680	0.680	0.000
3	A117_Biased	0.679	0.679	0.000
3	B36_Biased	0.679	0.679	0.000
3	B37_Biased	0.680	0.680	0.000
3	C39_Biased	0.679	0.679	0.000
3	A118_Unbiased	0.682	0.682	0.000
3	A140_Unbiased	0.679	0.680	0.000
3	B38_Unbiased	0.680	0.680	0.000
3	B39_Unbiased	0.677	0.677	0.000
3	C40_Unbiased	0.678	0.678	0.000
10	A119_Biased	0.680	0.681	0.000
10	A120_Biased	0.680	0.682	0.000
10	B40_Biased	0.678	0.678	0.000
10	C41_Biased	0.680	0.680	0.000
10	C42_Biased	0.682	0.682	0.000
10	A121_Unbiased	0.678	0.678	0.000
10	A124_Unbiased	0.676	0.676	0.000
10	B41_Unbiased	0.681	0.682	0.000
10	C43_Unbiased	0.678	0.678	0.000
10	C44_Unbiased	0.678	0.678	0.000
30	A125_Biased	0.680	0.680	0.000
30	B42_Biased	0.678	0.678	0.000
30	B43_Biased	0.680	0.680	0.000
30	C45_Biased	0.681	0.682	0.000
30	C46_Biased	0.678	0.678	0.000
30	A127_Unbiased	0.680	0.680	0.000
30	B45_Unbiased	0.678	0.678	0.000
30	B47_Unbiased	0.682	0.682	0.000
30	C47_Unbiased	0.679	0.679	0.000
30	C50_Unbiased	0.678	0.678	0.000
50	A128_Biased	0.680	0.680	0.000
50	A129_Biased	0.681	0.681	0.000
50	B48_Biased	0.678	0.678	0.000
50	B49_Biased	0.680	0.680	0.000
50	C51_Biased	0.681	0.681	0.000
50	A130_Unbiased	0.677	0.678	0.000
50	A131_Unbiased	0.679	0.679	0.000
50	B50_Unbiased	0.679	0.679	0.000
50	B51_Unbiased	0.676	-0.005	0.000
50	C53_Unbiased	0.679	0.679	0.000
0	106_Corr	0.679	0.680	0.000
100	A132_Biased	0.679	0.680	-0.001
100	A134_Biased	0.678	0.679	-0.001
100	A135_Biased	0.679	0.679	0.000
100	B52_Biased	0.676	0.676	0.000
100	B54_Biased	0.678	0.678	0.000
100	B55_Biased	0.679	0.680	-0.001
100	B56_Biased	0.681	0.681	0.000
100	B57_Biased	0.681	0.681	0.000
100	B59_Biased	0.677	0.678	0.000
100	B62_Biased	0.680	0.680	0.000
100	B63_Biased	0.679	0.679	0.000
100	B64_Biased	0.682	0.682	0.000
100	B66_Biased	0.679	0.679	0.000
100	B68_Biased	0.679	0.680	0.000
100	C54_Biased	0.678	0.678	0.000
100	C55_Biased	0.679	0.679	0.000
100	C56_Biased	0.680	0.681	0.000
100	C57_Biased	0.679	0.680	0.000
100	C58_Biased	0.679	0.679	0.000
100	C59_Biased	0.681	0.681	0.000
100	C65_Biased	0.678	0.679	0.000
100	C67_Biased	0.680	0.680	0.000
100	A122_Unbiased	0.681	0.681	0.000
100	A138_Unbiased	0.680	0.680	0.000
100	A139_Unbiased	0.679	0.679	0.000
100	B60_Unbiased	0.678	0.682	-0.004
100	B61_Unbiased	0.680	0.680	0.000
100	B69_Unbiased	0.678	0.678	0.000
100	B70_Unbiased	0.680	0.680	0.000
100	B71_Unbiased	0.678	0.678	0.000
100	B72_Unbiased	0.679	0.679	0.000
100	B73_Unbiased	0.678	0.678	0.000
100	B74_Unbiased	0.677	0.677	0.000
100	B77_Unbiased	0.679	0.679	0.000
100	B78_Unbiased	0.679	0.679	0.000
100	B79_Unbiased	0.678	0.679	0.000
100	B80_Unbiased	0.679	0.679	0.000
100	C70_Unbiased	0.677	0.677	0.000
100	C71_Unbiased	0.680	0.680	0.000
100	C72_Unbiased	0.679	0.679	0.000
100	C73_Unbiased	0.678	0.678	0.000
100	C75_Unbiased	0.679	0.680	0.000
100	C76_Unbiased	0.682	0.682	0.000
100	C79_Unbiased	0.680	0.680	0.000
	Max	0.682	0.682	0.000
	Average	0.679	0.679	0.000
	Min	0.676	0.676	-0.005
	Std Dev	0.001	0.001	0.001

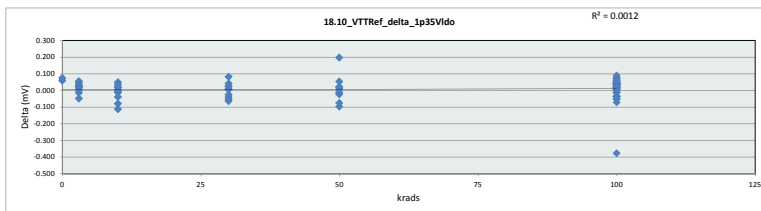


18.9_VTTRef_snkload_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.679	0.677	0.676	0.678	0.678	0.676
Average	0.679	0.679	0.679	0.680	0.680	0.679
Max	0.680	0.682	0.682	0.682	0.681	0.682
UL	0.695	0.695	0.695	0.695	0.695	0.695

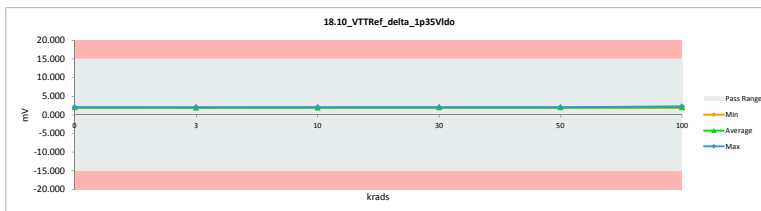


TID 100krad HDR Report
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18_10_VTTRef_delta_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.047	1.989	0.058
3	A116_Biased	2.014	1.984	0.030
3	A117_Biased	1.939	1.913	0.026
3	B36_Biased	2.006	2.004	0.002
3	B37_Biased	1.963	1.977	-0.014
3	C39_Biased	2.071	2.028	0.043
3	A118_Unbiased	1.927	1.911	0.016
3	A140_Unbiased	2.047	1.992	0.055
3	B38_Unbiased	2.056	2.033	0.023
3	B39_Unbiased	1.990	2.038	-0.048
3	C40_Unbiased	2.052	2.035	0.017
10	A119_Biased	1.957	1.970	-0.013
10	A120_Biased	1.925	1.931	-0.006
10	B40_Biased	1.987	2.026	-0.039
10	C41_Biased	2.076	2.026	0.050
10	C42_Biased	2.016	1.980	0.036
10	A121_Unbiased	1.877	1.956	-0.079
10	A124_Unbiased	1.932	2.044	-0.112
10	B41_Unbiased	2.012	1.994	0.018
10	C43_Unbiased	2.039	2.033	0.006
10	C44_Unbiased	1.977	1.957	0.020
30	A125_Biased	1.934	1.929	0.005
30	B42_Biased	2.019	2.061	-0.042
30	B43_Biased	1.923	1.977	-0.054
30	C45_Biased	2.027	1.946	0.081
30	C46_Biased	2.064	2.037	0.027
30	A127_Unbiased	1.905	1.930	-0.025
30	B45_Unbiased	1.979	2.044	-0.065
30	B47_Unbiased	2.029	1.988	0.041
30	C47_Unbiased	2.009	1.987	0.022
30	C50_Unbiased	2.043	2.033	0.010
50	A128_Biased	1.979	1.993	-0.014
50	A129_Biased	2.051	2.044	0.007
50	B48_Biased	1.940	2.015	-0.075
50	B49_Biased	2.032	2.038	-0.006
50	C51_Biased	2.032	2.016	0.016
50	A130_Unbiased	2.004	2.027	-0.023
50	A131_Unbiased	1.968	1.946	0.022
50	B50_Unbiased	1.970	1.982	-0.012
50	B51_Unbiased	2.149	1.951	0.198
50	C53_Unbiased	2.008	1.955	0.053
0	106_Corr	2.085	2.011	0.074
100	A132_Biased	1.959	2.011	-0.052
100	A134_Biased	1.935	2.313	-0.378
100	A135_Biased	1.916	1.960	-0.044
100	B52_Biased	2.138	2.141	-0.003
100	B54_Biased	1.935	1.970	-0.035
100	B55_Biased	1.925	1.940	-0.015
100	B56_Biased	2.028	1.994	0.034
100	B57_Biased	1.955	2.026	-0.071
100	B59_Biased	2.089	2.124	-0.035
100	B62_Biased	1.969	1.950	0.019
100	B63_Biased	2.051	2.020	0.031
100	B64_Biased	2.090	2.028	0.062
100	B66_Biased	2.028	2.008	0.020
100	B68_Biased	2.021	1.943	0.078
100	C54_Biased	2.016	1.986	0.030
100	C55_Biased	1.985	1.972	0.013
100	C56_Biased	2.053	2.009	0.044
100	C57_Biased	1.965	1.908	0.057
100	C58_Biased	2.026	1.987	0.039
100	C59_Biased	2.013	1.972	0.041
100	C65_Biased	1.933	1.932	0.001
100	C67_Biased	2.051	2.005	0.046
100	A122_Unbiased	1.982	1.995	-0.013
100	A138_Unbiased	1.986	2.023	-0.037
100	A139_Unbiased	1.915	1.950	-0.035
100	B60_Unbiased	2.030	1.984	0.046
100	B61_Unbiased	2.007	1.966	0.041
100	B69_Unbiased	2.030	2.011	0.019
100	B70_Unbiased	2.007	1.987	0.020
100	B71_Unbiased	2.080	2.013	0.067
100	B72_Unbiased	2.056	1.982	0.074
100	B73_Unbiased	2.033	2.025	0.008
100	B74_Unbiased	2.122	2.074	0.048
100	B77_Unbiased	2.028	2.012	0.016
100	B78_Unbiased	2.032	1.986	0.046
100	B79_Unbiased	2.052	2.004	0.048
100	B80_Unbiased	2.047	1.977	0.070
100	C70_Unbiased	2.028	2.022	0.006
100	C71_Unbiased	2.036	1.946	0.090
100	C72_Unbiased	2.004	2.005	-0.001
100	C73_Unbiased	2.007	1.990	0.017
100	C75_Unbiased	2.081	2.043	0.038
100	C76_Unbiased	2.001	1.942	0.059
100	C79_Unbiased	2.058	2.031	0.027
	Max	2.149	2.313	0.198
	Average	2.008	2.000	0.009
	Min	1.877	1.908	-0.378
	Std Dev	0.055	0.055	0.063

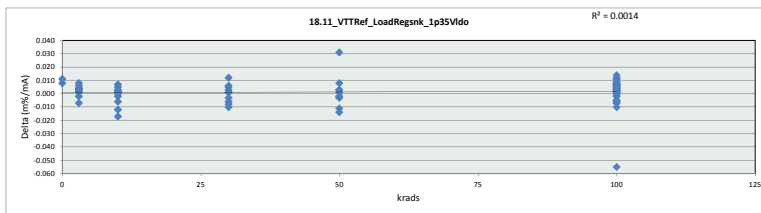


18_10_VTTRef_delta_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.989	1.911	1.931	1.929	1.946	1.908
Average	2.000	1.992	1.992	1.993	1.997	2.005
Max	2.011	2.038	2.044	2.061	2.044	2.313
UL	15.000	15.000	15.000	15.000	15.000	15.000

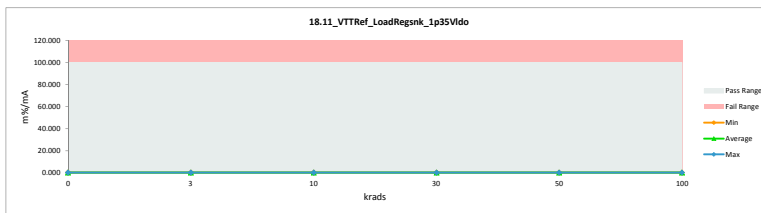


TID 100krad HDR Report
TPS7H3301-SP

18.11_VTTRef_LoadReqsnk_1p35				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.300	0.292	0.008
3	A116_Biased	0.295	0.291	0.004
3	A117_Biased	0.285	0.281	0.004
3	B36_Biased	0.295	0.294	0.001
3	B37_Biased	0.288	0.290	-0.002
3	C39_Unbiased	0.304	0.298	0.006
3	A118_Unbiased	0.282	0.280	0.002
3	A140_Unbiased	0.300	0.292	0.008
3	B38_Unbiased	0.301	0.298	0.003
3	B39_Unbiased	0.293	0.300	-0.007
3	C40_Unbiased	0.302	0.299	0.003
10	A119_Biased	0.287	0.289	-0.002
10	A120_Biased	0.292	0.288	0.004
10	B40_Biased	0.292	0.298	-0.006
10	C41_Biased	0.304	0.297	0.007
10	C42_Biased	0.295	0.290	0.005
10	A121_Unbiased	0.276	0.288	-0.012
10	A124_Unbiased	0.285	0.302	-0.017
10	B41_Unbiased	0.294	0.292	0.002
10	C43_Unbiased	0.300	0.299	0.001
10	C44_Unbiased	0.291	0.288	0.003
30	A125_Biased	0.284	0.283	0.005
30	B42_Biased	0.297	0.303	-0.006
30	B43_Biased	0.282	0.290	-0.008
30	C45_Biased	0.297	0.285	0.012
30	C46_Biased	0.304	0.299	0.005
30	A127_Unbiased	0.280	0.283	-0.003
30	B45_Unbiased	0.291	0.301	-0.010
30	B47_Unbiased	0.297	0.291	0.006
30	C47_Unbiased	0.295	0.292	0.003
30	C50_Unbiased	0.300	0.299	0.001
50	A128_Biased	0.290	0.292	-0.002
50	A129_Biased	0.300	0.299	0.001
50	B48_Biased	0.285	0.296	-0.011
50	B49_Biased	0.285	0.299	-0.014
50	C51_Biased	0.298	0.295	0.003
50	A130_Unbiased	0.295	0.298	-0.003
50	A131_Unbiased	0.289	0.286	0.003
50	B50_Unbiased	0.289	0.291	-0.002
50	B51_Unbiased	0.317	0.286	0.031
50	C53_Unbiased	0.295	0.287	0.008
0	106_Corr	0.306	0.295	0.011
100	A132_Biased	0.288	0.295	-0.007
100	A134_Biased	0.285	0.340	-0.055
100	A135_Biased	0.281	0.288	-0.007
100	B52_Biased	0.315	0.316	-0.001
100	B54_Biased	0.284	0.290	-0.006
100	B55_Biased	0.282	0.284	-0.002
100	B56_Biased	0.297	0.292	0.005
100	B57_Biased	0.286	0.296	-0.010
100	B59_Biased	0.307	0.312	-0.005
100	B62_Biased	0.289	0.286	0.003
100	B63_Biased	0.301	0.296	0.005
100	B64_Biased	0.306	0.297	0.009
100	B66_Biased	0.298	0.295	0.003
100	B68_Biased	0.297	0.285	0.012
100	C54_Biased	0.296	0.292	0.004
100	C55_Biased	0.291	0.289	0.002
100	C56_Biased	0.301	0.294	0.007
100	C57_Biased	0.288	0.280	0.008
100	C58_Biased	0.297	0.292	0.005
100	C59_Biased	0.295	0.289	0.006
100	C65_Biased	0.288	0.284	0.004
100	C67_Biased	0.301	0.294	0.007
100	A122_Unbiased	0.290	0.292	-0.002
100	A138_Unbiased	0.291	0.296	-0.005
100	A139_Unbiased	0.281	0.286	-0.005
100	B60_Unbiased	0.298	0.290	0.008
100	B61_Unbiased	0.294	0.288	0.006
100	B69_Unbiased	0.298	0.296	0.002
100	B70_Unbiased	0.294	0.291	0.003
100	B71_Unbiased	0.306	0.304	0.002
100	B72_Unbiased	0.302	0.291	0.011
100	B73_Unbiased	0.299	0.298	0.001
100	B74_Unbiased	0.312	0.305	0.007
100	B77_Unbiased	0.298	0.296	0.002
100	B78_Unbiased	0.298	0.298	0.000
100	B79_Unbiased	0.302	0.295	0.007
100	B80_Unbiased	0.301	0.290	0.011
100	C70_Unbiased	0.299	0.298	0.001
100	C71_Unbiased	0.289	0.285	0.014
100	C72_Unbiased	0.294	0.294	0.000
100	C73_Unbiased	0.295	0.293	0.002
100	C75_Unbiased	0.305	0.300	0.005
100	C76_Unbiased	0.293	0.284	0.009
100	C79_Unbiased	0.302	0.298	0.004
	Max	0.317	0.340	0.031
	Average	0.295	0.293	0.001
	Min	0.276	0.280	-0.055
	Std Dev	0.008	0.008	0.009

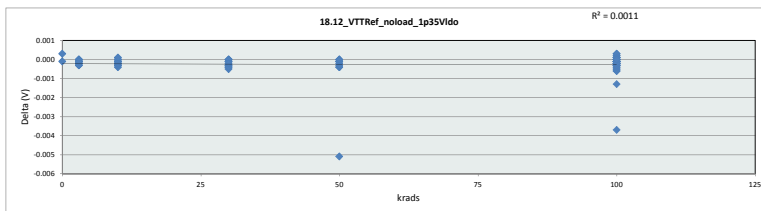


18.11_VTTRef_LoadReqsnk_1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.292	0.280	0.282	0.283	0.286	0.280
Average	0.294	0.292	0.293	0.293	0.293	0.294
Max	0.295	0.300	0.302	0.303	0.299	0.340
UL	100.000	100.000	100.000	100.000	100.000	100.000

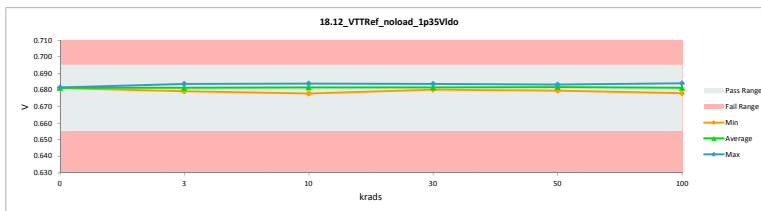


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18_12_VTTRef_noload_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit		V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.682	0.681	0.000
3	A116_Biased	0.682	0.682	0.000
3	A117_Biased	0.681	0.681	0.000
3	B36_Biased	0.681	0.681	0.000
3	B37_Biased	0.682	0.682	0.000
3	C39_Biased	0.681	0.681	0.000
3	A118_Unbiased	0.683	0.684	0.000
3	A140_Unbiased	0.682	0.682	0.000
3	B38_Unbiased	0.682	0.682	0.000
3	B39_Unbiased	0.679	0.679	0.000
3	C40_Unbiased	0.680	0.680	0.000
10	A119_Biased	0.682	0.683	0.000
10	A120_Biased	0.684	0.684	0.000
10	B40_Biased	0.680	0.681	0.000
10	C41_Biased	0.682	0.682	0.000
10	C42_Biased	0.684	0.684	0.000
10	A121_Unbiased	0.680	0.680	0.000
10	A124_Unbiased	0.678	0.678	0.000
10	B41_Unbiased	0.683	0.683	0.000
10	C43_Unbiased	0.680	0.680	0.000
10	C44_Unbiased	0.680	0.680	0.000
30	A125_Biased	0.682	0.682	0.000
30	B42_Biased	0.680	0.680	0.000
30	B43_Biased	0.682	0.682	0.000
30	C45_Biased	0.683	0.683	0.000
30	C46_Biased	0.680	0.680	0.000
30	A127_Unbiased	0.682	0.682	0.000
30	B45_Unbiased	0.680	0.680	0.000
30	B47_Unbiased	0.683	0.684	0.000
30	C47_Unbiased	0.681	0.681	0.000
30	C50_Unbiased	0.680	0.681	0.000
50	A128_Biased	0.682	0.682	0.000
50	A129_Biased	0.683	0.683	0.000
50	B48_Biased	0.680	0.680	0.000
50	B49_Biased	0.682	0.682	0.000
50	C51_Biased	0.683	0.683	0.000
50	A130_Unbiased	0.679	0.680	0.000
50	A131_Unbiased	0.681	0.681	0.000
50	B50_Unbiased	0.681	0.681	0.000
50	B51_Unbiased	0.678	-0.005	0.000
50	C53_Unbiased	0.681	0.681	0.000
0	106_Corr	0.682	0.682	0.000
100	A132_Biased	0.681	0.682	-0.001
100	A134_Biased	0.680	0.681	-0.001
100	A135_Biased	0.681	0.681	0.000
100	B52_Biased	0.678	0.678	0.000
100	B54_Biased	0.680	0.680	0.000
100	B55_Biased	0.681	0.682	-0.001
100	B56_Biased	0.683	0.683	0.000
100	B57_Biased	0.683	0.683	0.000
100	B59_Biased	0.679	0.680	0.000
100	B62_Biased	0.682	0.682	0.000
100	B63_Biased	0.682	0.682	0.000
100	B64_Biased	0.684	0.683	0.000
100	B66_Biased	0.681	0.681	0.000
100	B68_Biased	0.681	0.682	0.000
100	C54_Biased	0.680	0.680	0.000
100	C55_Biased	0.681	0.681	0.000
100	C56_Biased	0.683	0.683	0.000
100	C57_Biased	0.682	0.682	0.000
100	C58_Biased	0.681	0.681	0.000
100	C59_Biased	0.683	0.683	0.000
100	C65_Biased	0.680	0.681	0.000
100	C67_Biased	0.682	0.682	0.000
100	A122_Unbiased	0.683	0.683	0.000
100	A138_Unbiased	0.682	0.682	0.000
100	A139_Unbiased	0.681	0.681	0.000
100	B60_Unbiased	0.680	0.684	-0.004
100	B61_Unbiased	0.682	0.682	0.000
100	B69_Unbiased	0.680	0.680	0.000
100	B70_Unbiased	0.682	0.682	0.000
100	B71_Unbiased	0.680	0.680	0.000
100	B72_Unbiased	0.681	0.681	0.000
100	B73_Unbiased	0.680	0.679	0.000
100	B74_Unbiased	0.679	0.679	0.000
100	B77_Unbiased	0.681	0.681	0.000
100	B78_Unbiased	0.681	0.681	0.000
100	B79_Unbiased	0.680	0.681	0.000
100	B80_Unbiased	0.681	0.681	0.000
100	C70_Unbiased	0.679	0.679	0.000
100	C71_Unbiased	0.682	0.682	0.000
100	C72_Unbiased	0.681	0.682	0.000
100	C73_Unbiased	0.680	0.680	0.000
100	C75_Unbiased	0.682	0.682	0.000
100	C76_Unbiased	0.684	0.684	0.000
100	C78_Unbiased	0.682	0.682	0.000
Max	0.684	0.684	0.000	
Average	0.681	0.681	0.000	
Min	0.678	0.678	-0.005	
Std Dev	0.001	0.001	0.001	

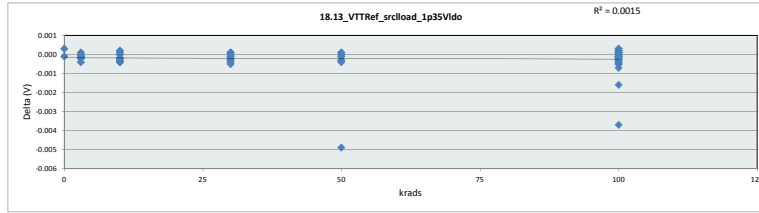


18.12_VTTRef_noload_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.681	0.679	0.678	0.680	0.680	0.678
Average	0.681	0.681	0.681	0.682	0.682	0.681
Max	0.682	0.684	0.684	0.684	0.683	0.684
UL	0.695	0.695	0.695	0.695	0.695	0.695

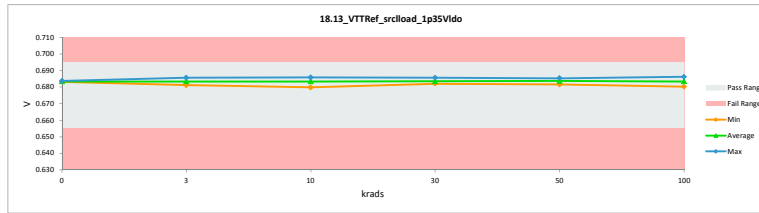


TID 100krad HDR Report
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18.13_VTTRef_srcload_1p35VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.683	0.683	0.000
3	A116_Biased	0.684	0.684	0.000
3	A117_Biased	0.683	0.683	0.000
3	B36_Biased	0.683	0.683	0.000
3	B37_Biased	0.684	0.684	0.000
3	C39_Biased	0.683	0.683	0.000
3	A118_Unbiased	0.685	0.686	0.000
3	A140_Unbiased	0.683	0.684	0.000
3	B38_Unbiased	0.684	0.684	0.000
3	B39_Unbiased	0.681	0.681	0.000
3	C40_Unbiased	0.682	0.682	0.000
10	A119_Biased	0.684	0.684	0.000
10	A120_Biased	0.684	0.684	0.000
10	B40_Biased	0.682	0.683	0.000
10	C41_Biased	0.684	0.684	0.000
10	C42_Biased	0.686	0.686	0.000
10	A121_Unbiased	0.682	0.682	0.000
10	A124_Unbiased	0.679	0.680	0.000
10	B41_Unbiased	0.685	0.686	0.000
10	C43_Unbiased	0.682	0.682	0.000
10	C44_Unbiased	0.682	0.682	0.000
30	A125_Biased	0.684	0.684	0.000
30	B42_Biased	0.682	0.683	0.000
30	B43_Biased	0.684	0.684	0.000
30	C45_Biased	0.686	0.685	0.000
30	C46_Biased	0.682	0.682	0.000
30	A127_Unbiased	0.683	0.684	0.000
30	B45_Unbiased	0.682	0.682	-0.001
30	B47_Unbiased	0.686	0.686	0.000
30	C47_Unbiased	0.683	0.683	0.000
30	C50_Unbiased	0.683	0.683	0.000
50	A128_Biased	0.684	0.684	0.000
50	A129_Biased	0.685	0.685	0.000
50	B48_Biased	0.682	0.683	0.000
50	B49_Biased	0.684	0.684	0.000
50	C51_Biased	0.685	0.685	0.000
50	A130_Unbiased	0.681	0.682	0.000
50	A131_Unbiased	0.683	0.683	0.000
50	B50_Unbiased	0.683	0.683	0.000
50	B51_Unbiased	0.685	-0.005	0.000
50	C53_Unbiased	0.683	0.683	0.000
0	106_Corr	0.684	0.684	0.000
100	A132_Biased	0.683	0.684	-0.001
100	A134_Biased	0.682	0.683	-0.002
100	A135_Biased	0.683	0.683	0.000
100	B52_Biased	0.680	0.680	0.000
100	B54_Biased	0.682	0.683	0.000
100	B55_Biased	0.683	0.684	-0.001
100	B56_Biased	0.685	0.685	0.000
100	B57_Biased	0.685	0.685	-0.001
100	B59_Biased	0.682	0.682	0.000
100	B62_Biased	0.684	0.684	0.000
100	B63_Biased	0.684	0.684	0.000
100	B64_Biased	0.686	0.686	0.000
100	B66_Biased	0.683	0.683	0.000
100	B68_Biased	0.683	0.684	0.000
100	C54_Biased	0.682	0.682	0.000
100	C55_Biased	0.683	0.683	0.000
100	C56_Biased	0.684	0.685	0.000
100	C57_Biased	0.683	0.684	0.000
100	C58_Biased	0.683	0.683	0.000
100	C59_Biased	0.685	0.685	0.000
100	C65_Biased	0.683	0.683	0.000
100	C67_Biased	0.684	0.684	0.000
100	A122_Unbiased	0.685	0.686	0.000
100	A138_Unbiased	0.684	0.684	0.000
100	A139_Unbiased	0.683	0.683	0.000
100	B60_Unbiased	0.683	0.686	-0.004
100	B61_Unbiased	0.684	0.684	0.000
100	B69_Unbiased	0.683	0.682	0.000
100	B70_Unbiased	0.684	0.684	0.000
100	B71_Unbiased	0.682	0.682	0.000
100	B72_Unbiased	0.683	0.683	0.000
100	B73_Unbiased	0.682	0.682	0.000
100	B74_Unbiased	0.682	0.681	0.000
100	B77_Unbiased	0.683	0.683	0.000
100	B78_Unbiased	0.683	0.683	0.000
100	B79_Unbiased	0.683	0.683	0.000
100	B80_Unbiased	0.683	0.683	0.000
100	C70_Unbiased	0.681	0.681	0.000
100	C71_Unbiased	0.684	0.684	0.000
100	C72_Unbiased	0.683	0.683	0.000
100	C73_Unbiased	0.682	0.682	0.000
100	C75_Unbiased	0.684	0.684	0.000
100	C76_Unbiased	0.686	0.686	0.000
100	C79_Unbiased	0.684	0.684	0.000
	Max	0.686	0.686	0.000
	Average	0.683	0.683	0.000
	Min	0.679	0.680	-0.005
	Std Dev	0.001	0.001	0.001

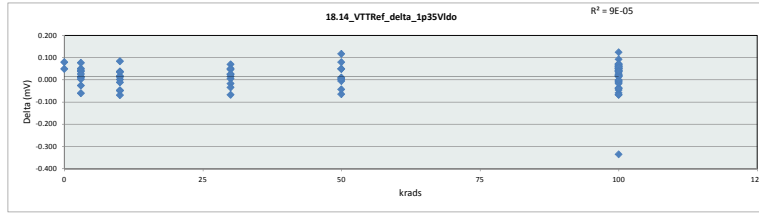


18.13_VTTRef_srcload_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695 V					
Min Limit	0.655 V					
krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.683	0.681	0.680	0.682	0.682	0.680
Average	0.683	0.683	0.683	0.684	0.684	0.683
Max	0.684	0.686	0.686	0.686	0.685	0.686
UL	0.695	0.695	0.695	0.695	0.695	0.695

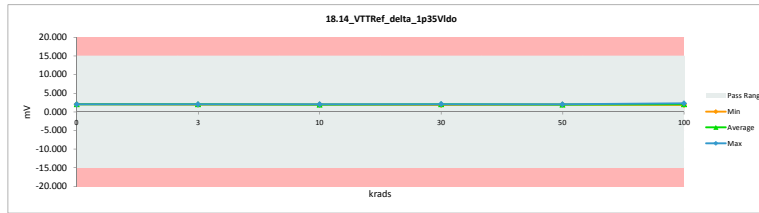


TID 100krad HDR Report
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18_14_VTTRef_delta_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.055	2.006	0.049
3	A116_Biased	2.067	2.016	0.051
3	A117_Biased	1.974	1.962	0.012
3	B36_Biased	2.031	2.016	0.015
3	B37_Biased	2.010	2.006	0.004
3	C39_Biased	2.102	2.025	0.077
3	A118_Unbiased	1.939	1.935	-0.026
3	A140_Unbiased	2.055	2.011	0.044
3	B38_Unbiased	2.043	2.005	0.038
3	B39_Unbiased	1.926	1.986	-0.060
3	C40_Unbiased	2.075	2.049	0.026
10	A119_Biased	1.944	1.942	0.002
10	A120_Biased	1.932	1.979	-0.047
10	B40_Biased	2.041	2.052	-0.011
10	C41_Biased	2.052	1.968	0.084
10	C42_Biased	2.010	1.992	0.018
10	A121_Unbiased	1.905	1.974	-0.069
10	A124_Unbiased	2.038	2.024	0.014
10	B41_Unbiased	1.972	2.020	-0.048
10	C43_Unbiased	2.019	1.981	0.038
10	C44_Unbiased	2.027	1.992	0.035
30	A125_Biased	1.980	1.905	0.075
30	B42_Biased	2.065	2.082	-0.017
30	B43_Biased	1.972	1.903	0.069
30	C45_Biased	2.006	1.982	0.024
30	C46_Biased	2.102	2.056	0.046
30	A127_Unbiased	1.940	1.925	0.015
30	B45_Unbiased	1.982	2.050	-0.068
30	B47_Unbiased	2.006	2.040	-0.034
30	C47_Unbiased	2.038	1.987	0.051
30	C50_Unbiased	2.027	2.070	-0.043
50	A128_Biased	1.969	1.968	0.001
50	A129_Biased	2.038	2.027	0.011
50	B48_Biased	1.972	2.037	-0.065
50	B49_Biased	2.008	1.958	0.050
50	C51_Biased	2.030	1.980	0.050
50	A130_Unbiased	1.951	1.994	-0.043
50	A131_Unbiased	1.990	1.996	-0.006
50	B50_Unbiased	2.006	2.001	0.005
50	B51_Unbiased	2.051	1.934	0.117
50	C53_Unbiased	2.034	1.955	0.079
0	106_Corr	2.097	2.017	0.080
100	A132_Biased	1.991	2.029	-0.038
100	A134_Biased	1.962	2.298	-0.336
100	A135_Biased	1.923	1.982	-0.059
100	B52_Biased	2.070	2.078	-0.008
100	B54_Biased	1.988	2.005	-0.017
100	B55_Biased	1.981	1.963	0.018
100	B56_Biased	2.029	2.012	0.017
100	B57_Biased	1.989	2.035	-0.046
100	B59_Biased	2.029	2.097	-0.068
100	B62_Biased	1.999	1.874	0.125
100	B63_Biased	2.085	2.026	0.059
100	B64_Biased	2.078	2.056	0.022
100	B66_Biased	2.079	2.014	0.065
100	B68_Biased	2.078	2.007	0.071
100	C54_Biased	2.053	2.004	0.049
100	C55_Biased	2.022	1.979	0.043
100	C56_Biased	2.075	1.983	0.092
100	C57_Biased	2.020	1.961	0.059
100	C58_Biased	2.037	1.986	0.051
100	C59_Biased	2.011	1.944	0.067
100	C65_Biased	2.001	2.006	-0.005
100	C67_Biased	2.042	1.972	0.070
100	A122_Unbiased	1.965	2.033	-0.068
100	A138_Unbiased	1.947	1.982	-0.035
100	A139_Unbiased	1.909	1.948	-0.039
100	B60_Unbiased	2.075	2.054	0.021
100	B61_Unbiased	2.062	2.008	0.054
100	B69_Unbiased	2.075	2.052	0.023
100	B70_Unbiased	2.062	2.010	0.052
100	B71_Unbiased	2.118	2.103	0.015
100	B72_Unbiased	2.086	2.055	0.031
100	B73_Unbiased	2.008	2.009	-0.001
100	B74_Unbiased	2.067	2.029	0.038
100	B77_Unbiased	2.049	2.062	-0.013
100	B78_Unbiased	2.045	2.003	0.042
100	B79_Unbiased	2.086	2.048	0.038
100	B80_Unbiased	2.079	2.030	0.049
100	C70_Unbiased	1.993	1.932	0.061
100	C71_Unbiased	2.074	2.071	0.073
100	C72_Unbiased	2.050	2.006	0.044
100	C73_Unbiased	1.997	1.998	-0.001
100	C75_Unbiased	2.124	2.068	0.056
100	C76_Unbiased	1.990	1.974	0.016
100	C79_Unbiased	2.044	2.038	0.006
	Max	2.124	2.298	0.125
	Average	2.023	2.007	0.016
	Min	1.905	1.874	-0.336
	Std Dev	0.052	0.053	0.059

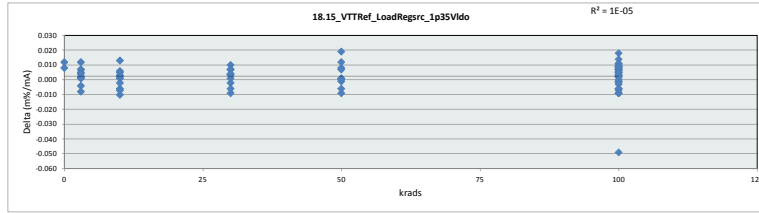


18_14_VTTRef_delta_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	2.006	1.935	1.942	1.903	1.934	1.874
Average	2.012	2.001	1.992	2.008	1.985	2.016
Max	2.017	2.049	2.052	2.082	2.037	2.298
UL	15.000	15.000	15.000	15.000	15.000	15.000

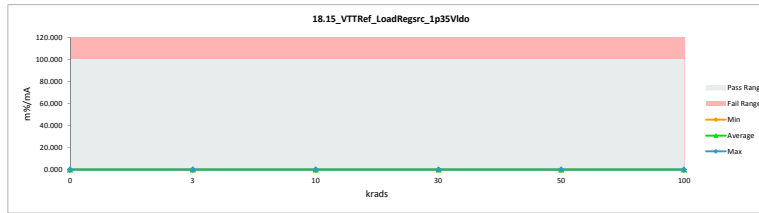


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18_15_VTTRef_LoadRegrsc_1p35				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.302	0.294	0.008
3	A116_Biased	0.303	0.296	0.007
3	A117_Biased	0.290	0.288	0.002
3	B36_Biased	0.298	0.296	0.002
3	B37_Biased	0.295	0.294	0.001
3	C39_Unbiased	0.309	0.297	0.012
3	A118_Unbiased	0.279	0.283	-0.004
3	A140_Unbiased	0.302	0.295	0.007
3	B38_Unbiased	0.299	0.294	0.005
3	B39_Unbiased	0.284	0.292	-0.008
3	C40_Unbiased	0.305	0.301	0.004
10	A119_Biased	0.285	0.284	0.001
10	A120_Biased	0.283	0.289	-0.006
10	B40_Biased	0.300	0.302	-0.002
10	C41_Biased	0.301	0.288	0.013
10	C42_Biased	0.294	0.291	0.003
10	A121_Unbiased	0.280	0.290	-0.010
10	A124_Unbiased	0.301	0.299	0.002
10	B41_Unbiased	0.289	0.296	-0.007
10	C43_Unbiased	0.297	0.291	0.006
10	C44_Unbiased	0.298	0.293	0.005
30	A125_Biased	0.291	0.290	0.001
30	B42_Biased	0.304	0.306	-0.002
30	B43_Biased	0.289	0.279	0.010
30	C45_Biased	0.294	0.290	0.004
30	C46_Biased	0.309	0.302	0.007
30	A127_Unbiased	0.285	0.282	0.003
30	B45_Unbiased	0.292	0.301	-0.009
30	B47_Unbiased	0.293	0.299	-0.006
30	C47_Unbiased	0.299	0.292	0.007
30	C50_Unbiased	0.308	0.304	0.004
50	A128_Biased	0.289	0.288	0.001
50	A129_Biased	0.298	0.297	0.001
50	B48_Biased	0.290	0.299	-0.009
50	B49_Biased	0.295	0.287	0.008
50	C51_Biased	0.297	0.290	0.007
50	A130_Unbiased	0.287	0.293	-0.006
50	A131_Unbiased	0.292	0.293	-0.001
50	B50_Unbiased	0.294	0.294	0.000
50	B51_Unbiased	0.302	0.303	0.019
50	C53_Unbiased	0.299	0.287	0.012
0	106_Corr	0.308	0.296	0.012
100	A132_Biased	0.292	0.298	-0.006
100	A134_Biased	0.289	0.338	-0.049
100	A135_Biased	0.282	0.291	-0.009
100	B52_Biased	0.305	0.306	-0.001
100	B54_Biased	0.292	0.295	-0.003
100	B55_Biased	0.291	0.288	0.003
100	B56_Biased	0.297	0.295	0.002
100	B57_Biased	0.291	0.298	-0.007
100	B59_Biased	0.299	0.308	-0.009
100	B62_Biased	0.293	0.275	0.018
100	B63_Biased	0.306	0.297	0.009
100	B64_Biased	0.304	0.301	0.003
100	B66_Biased	0.305	0.296	0.009
100	B68_Biased	0.305	0.294	0.011
100	C54_Biased	0.302	0.295	0.007
100	C55_Biased	0.297	0.290	0.007
100	C56_Biased	0.304	0.290	0.014
100	C57_Biased	0.296	0.288	0.008
100	C58_Biased	0.299	0.291	0.008
100	C59_Biased	0.295	0.285	0.010
100	C65_Biased	0.294	0.295	-0.001
100	C67_Biased	0.299	0.289	0.010
100	A122_Unbiased	0.288	0.297	-0.009
100	A138_Unbiased	0.285	0.291	-0.006
100	A139_Unbiased	0.280	0.286	-0.006
100	B60_Unbiased	0.305	0.305	0.005
100	B61_Unbiased	0.302	0.294	0.008
100	B69_Unbiased	0.305	0.302	0.003
100	B70_Unbiased	0.302	0.295	0.007
100	B71_Unbiased	0.311	0.309	0.002
100	B72_Unbiased	0.306	0.302	0.004
100	B73_Unbiased	0.295	0.296	-0.001
100	B74_Unbiased	0.304	0.299	0.005
100	B77_Unbiased	0.301	0.303	-0.002
100	B78_Unbiased	0.300	0.294	0.006
100	B79_Unbiased	0.307	0.301	0.006
100	B80_Unbiased	0.305	0.298	0.007
100	C70_Unbiased	0.294	0.285	0.009
100	C71_Unbiased	0.304	0.293	0.011
100	C72_Unbiased	0.301	0.294	0.007
100	C73_Unbiased	0.294	0.294	0.000
100	C75_Unbiased	0.312	0.303	0.009
100	C76_Unbiased	0.291	0.289	0.002
100	C79_Unbiased	0.299	0.294	0.005
	Max	0.312	0.338	0.019
	Average	0.297	0.294	0.002
	Min	0.279	0.275	-0.049
	Std Dev	0.008	0.008	0.009

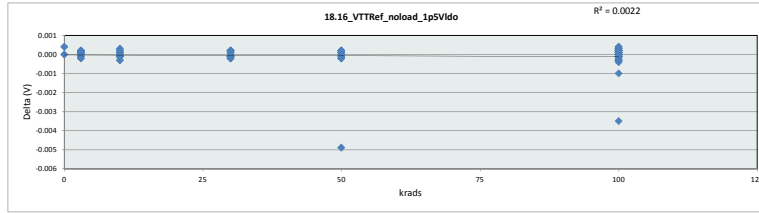


18_15_VTTRef_LoadRegrsc_1p35					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	100	m%/mA			
Min Limit	0	m%/mA			
krads	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	0.294	0.283	0.284	0.279	0.283
Average	0.295	0.294	0.292	0.295	0.291
Max	0.296	0.301	0.302	0.306	0.299
UL	100.000	100.000	100.000	100.000	100.000

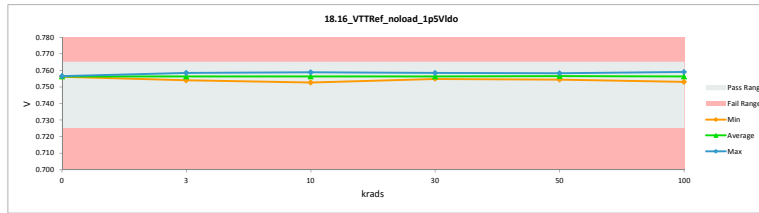


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18.16_VTTRef_noload_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.757	0.756	0.000
3	A116_Biased	0.757	0.757	0.000
3	A117_Biased	0.756	0.756	0.000
3	B36_Biased	0.756	0.756	0.000
3	B37_Biased	0.757	0.757	0.000
3	C39_Biased	0.756	0.756	0.000
3	A118_Unbiased	0.759	0.758	0.000
3	A140_Unbiased	0.757	0.757	0.000
3	B38_Unbiased	0.757	0.757	0.000
3	B39_Unbiased	0.754	0.754	0.000
3	C40_Unbiased	0.755	0.755	0.000
10	A119_Biased	0.757	0.757	0.000
10	A120_Biased	0.759	0.759	0.000
10	B40_Biased	0.755	0.756	0.000
10	C41_Biased	0.757	0.757	0.000
10	C42_Biased	0.759	0.759	0.000
10	A121_Unbiased	0.755	0.755	0.000
10	A124_Unbiased	0.753	0.753	0.000
10	B41_Unbiased	0.758	0.758	0.000
10	C43_Unbiased	0.755	0.755	0.000
10	C44_Unbiased	0.755	0.755	0.000
30	A125_Biased	0.757	0.757	0.000
30	B42_Biased	0.755	0.755	0.000
30	B43_Biased	0.757	0.757	0.000
30	C45_Biased	0.758	0.758	0.000
30	C46_Biased	0.755	0.755	0.000
30	A127_Unbiased	0.757	0.757	0.000
30	B45_Unbiased	0.755	0.755	0.000
30	B47_Unbiased	0.758	0.758	0.000
30	C47_Unbiased	0.756	0.756	0.000
30	C50_Unbiased	0.756	0.756	0.000
50	A128_Biased	0.757	0.757	0.000
50	A129_Biased	0.758	0.758	0.000
50	B48_Biased	0.755	0.755	0.000
50	B49_Biased	0.757	0.757	0.000
50	C51_Biased	0.758	0.758	0.000
50	A130_Unbiased	0.754	0.754	0.000
50	A131_Unbiased	0.756	0.756	0.000
50	B50_Unbiased	0.756	0.756	0.000
50	B51_Unbiased	0.758	-0.005	0.000
50	C53_Unbiased	0.756	0.756	0.000
0	106_Corr	0.757	0.757	0.000
100	A132_Biased	0.756	0.757	0.000
100	A134_Biased	0.755	0.756	-0.001
100	A135_Biased	0.756	0.756	0.000
100	B52_Biased	0.753	0.753	0.000
100	B54_Biased	0.755	0.755	0.000
100	B55_Biased	0.757	0.757	0.000
100	B56_Biased	0.758	0.758	0.000
100	B57_Biased	0.758	0.758	0.000
100	B59_Biased	0.754	0.755	0.000
100	B62_Biased	0.757	0.757	0.000
100	B63_Biased	0.757	0.757	0.000
100	B64_Biased	0.759	0.758	0.000
100	B66_Biased	0.756	0.756	0.000
100	B68_Biased	0.756	0.757	0.000
100	C54_Biased	0.755	0.755	0.000
100	C55_Biased	0.756	0.756	0.000
100	C56_Biased	0.757	0.757	0.000
100	C57_Biased	0.757	0.757	0.000
100	C58_Biased	0.756	0.756	0.000
100	C59_Biased	0.758	0.758	0.000
100	C65_Biased	0.756	0.756	0.000
100	C67_Biased	0.757	0.757	0.000
100	A122_Unbiased	0.758	0.758	0.000
100	A138_Unbiased	0.757	0.757	0.000
100	A139_Unbiased	0.756	0.756	0.000
100	B60_Unbiased	0.759	-0.003	0.000
100	B61_Unbiased	0.757	0.757	0.000
100	B69_Unbiased	0.756	0.755	0.000
100	B70_Unbiased	0.757	0.757	0.000
100	B71_Unbiased	0.755	0.755	0.000
100	B72_Unbiased	0.756	0.756	0.000
100	B73_Unbiased	0.755	0.754	0.000
100	B74_Unbiased	0.755	0.754	0.000
100	B77_Unbiased	0.756	0.756	0.000
100	B78_Unbiased	0.756	0.756	0.000
100	B79_Unbiased	0.756	0.756	0.000
100	B80_Unbiased	0.756	0.756	0.000
100	C70_Unbiased	0.754	0.754	0.000
100	C71_Unbiased	0.757	0.757	0.000
100	C72_Unbiased	0.756	0.756	0.000
100	C73_Unbiased	0.755	0.755	0.000
100	C75_Unbiased	0.757	0.757	0.000
100	C76_Unbiased	0.759	0.759	0.000
100	C79_Unbiased	0.757	0.757	0.000
	Max	0.759	0.759	0.000
	Average	0.756	0.756	0.000
	Min	0.753	0.753	-0.005
	Std Dev	0.001	0.001	0.001

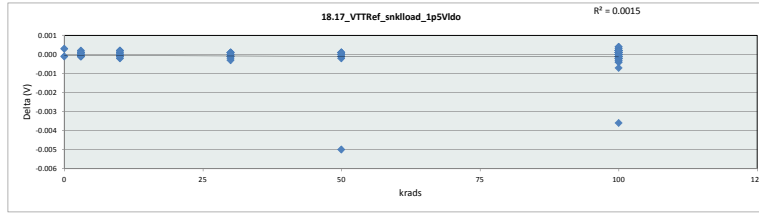


18.16_VTTRef_noload_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.756	0.754	0.753	0.755	0.755	0.753
Average	0.756	0.756	0.756	0.756	0.756	0.756
Max	0.757	0.759	0.759	0.759	0.758	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765

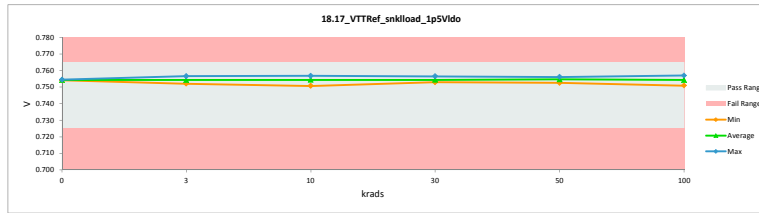


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18.17_VTTRef_snkload_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V			
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.754	0.754	0.000
3	A116_Biased	0.755	0.755	0.000
3	A117_Biased	0.754	0.754	0.000
3	B36_Biased	0.754	0.754	0.000
3	B37_Biased	0.755	0.755	0.000
3	C39_Biased	0.754	0.754	0.000
3	A118_Unbiased	0.757	0.757	0.000
3	A140_Unbiased	0.754	0.754	0.000
3	B38_Unbiased	0.755	0.755	0.000
3	B39_Unbiased	0.752	0.752	0.000
3	C40_Unbiased	0.753	0.753	0.000
10	A119_Biased	0.755	0.755	0.000
10	A120_Biased	0.757	0.757	0.000
10	B40_Biased	0.753	0.753	0.000
10	C41_Biased	0.755	0.755	0.000
10	C42_Biased	0.757	0.757	0.000
10	A121_Unbiased	0.753	0.753	0.000
10	A124_Unbiased	0.751	0.751	0.000
10	B41_Unbiased	0.756	0.756	0.000
10	C43_Unbiased	0.753	0.753	0.000
10	C44_Unbiased	0.753	0.753	0.000
30	A125_Biased	0.755	0.755	0.000
30	B42_Biased	0.753	0.753	0.000
30	B43_Biased	0.755	0.755	0.000
30	C45_Biased	0.757	0.756	0.000
30	C46_Biased	0.753	0.753	0.000
30	A127_Unbiased	0.755	0.755	0.000
30	B45_Unbiased	0.753	0.753	0.000
30	B47_Unbiased	0.757	0.757	0.000
30	C47_Unbiased	0.754	0.754	0.000
30	C50_Unbiased	0.753	0.753	0.000
50	A128_Biased	0.755	0.755	0.000
50	A129_Biased	0.756	0.756	0.000
50	B48_Biased	0.753	0.753	0.000
50	B49_Biased	0.755	0.755	0.000
50	C51_Biased	0.756	0.756	0.000
50	A130_Unbiased	0.752	0.752	0.000
50	A131_Unbiased	0.754	0.754	0.000
50	B50_Unbiased	0.754	0.754	0.000
50	B51_Unbiased	0.751	-0.005	0.000
50	C53_Unbiased	0.754	0.754	0.000
0	106_Corr	0.754	0.754	0.000
100	A132_Biased	0.754	0.755	0.000
100	A134_Biased	0.753	0.753	-0.001
100	A135_Biased	0.754	0.754	0.000
100	B52_Biased	0.751	0.751	0.000
100	B54_Biased	0.753	0.753	0.000
100	B55_Biased	0.754	0.755	0.000
100	B56_Biased	0.756	0.756	0.000
100	B57_Biased	0.756	0.756	0.000
100	B59_Biased	0.752	0.753	0.000
100	B62_Biased	0.755	0.755	0.000
100	B63_Biased	0.754	0.754	0.000
100	B64_Biased	0.757	0.756	0.000
100	B66_Biased	0.754	0.754	0.000
100	B68_Biased	0.754	0.755	0.000
100	C54_Biased	0.753	0.753	0.000
100	C55_Biased	0.754	0.754	0.000
100	C56_Biased	0.755	0.756	0.000
100	C57_Biased	0.755	0.755	0.000
100	C58_Biased	0.754	0.754	0.000
100	C59_Biased	0.756	0.756	0.000
100	C65_Biased	0.753	0.753	0.000
100	C67_Biased	0.755	0.755	0.000
100	A122_Unbiased	0.756	0.756	0.000
100	A138_Unbiased	0.755	0.755	0.000
100	A139_Unbiased	0.754	0.754	0.000
100	B60_Unbiased	0.753	0.757	-0.004
100	B61_Unbiased	0.755	0.755	0.000
100	B69_Unbiased	0.753	0.753	0.000
100	B70_Unbiased	0.755	0.754	0.000
100	B71_Unbiased	0.753	0.753	0.000
100	B72_Unbiased	0.754	0.754	0.000
100	B73_Unbiased	0.753	0.752	0.000
100	B74_Unbiased	0.752	0.752	0.000
100	B77_Unbiased	0.754	0.753	0.000
100	B78_Unbiased	0.754	0.754	0.000
100	B79_Unbiased	0.753	0.753	0.000
100	B80_Unbiased	0.754	0.753	0.000
100	C70_Unbiased	0.752	0.752	0.000
100	C71_Unbiased	0.755	0.755	0.000
100	C72_Unbiased	0.754	0.754	0.000
100	C73_Unbiased	0.753	0.753	0.000
100	C75_Unbiased	0.754	0.754	0.000
100	C76_Unbiased	0.757	0.757	0.000
100	C79_Unbiased	0.755	0.755	0.000
	Max	0.757	0.757	0.000
	Average	0.754	0.754	0.000
	Min	0.751	0.751	-0.005
	Std Dev	0.001	0.001	0.001

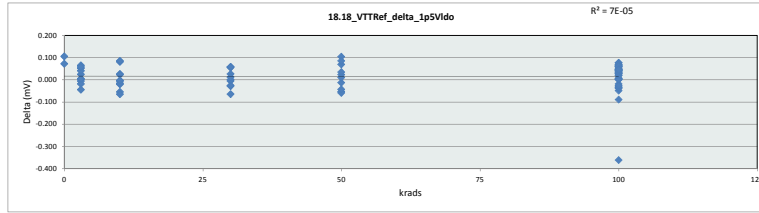


18.17_VTTRef_snkload_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.754	0.752	0.751	0.753	0.753	0.751
Average	0.754	0.754	0.754	0.754	0.755	0.754
Max	0.755	0.757	0.757	0.757	0.756	0.757
UL	0.765	0.765	0.765	0.765	0.765	0.765

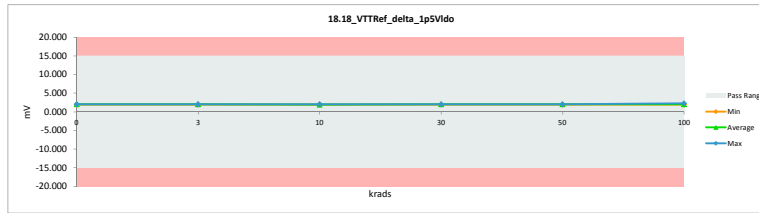


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18_18_VTTRef_delta_1p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.060	1.988	0.072
3	A116_Biased	2.021	2.018	0.003
3	A117_Biased	1.910	1.915	-0.005
3	B36_Biased	2.038	2.013	0.025
3	B37_Biased	1.999	2.017	-0.018
3	C39_Biased	2.097	2.032	0.065
3	A118_Unbiased	1.923	1.918	0.005
3	A140_Unbiased	2.060	2.038	0.022
3	B38_Unbiased	2.070	2.029	0.041
3	B39_Unbiased	1.943	1.987	-0.044
3	C40_Unbiased	2.076	2.018	0.058
10	A119_Biased	1.970	1.976	-0.006
10	A120_Biased	1.941	1.961	-0.020
10	B40_Biased	2.010	2.025	-0.015
10	C41_Biased	2.097	2.016	0.081
10	C42_Biased	2.023	1.996	0.027
10	A121_Unbiased	1.911	1.955	-0.044
10	A124_Unbiased	1.962	2.027	-0.065
10	B41_Unbiased	2.001	2.003	-0.002
10	C43_Unbiased	2.060	1.974	0.086
10	C44_Unbiased	1.985	1.961	0.024
30	A125_Biased	1.976	1.982	-0.006
30	B42_Biased	2.039	2.067	-0.028
30	B43_Biased	1.940	1.965	-0.025
30	C45_Biased	2.011	1.956	0.055
30	C46_Biased	2.078	2.020	0.058
30	A127_Unbiased	1.943	1.942	0.001
30	B45_Unbiased	1.945	2.010	-0.065
30	B47_Unbiased	2.026	2.000	0.026
30	C47_Unbiased	2.047	1.989	0.058
30	C50_Unbiased	2.057	2.017	0.040
50	A128_Biased	2.005	1.982	0.023
50	A129_Biased	2.043	2.056	-0.013
50	B48_Biased	1.953	2.006	-0.053
50	B49_Biased	1.963	2.021	-0.058
50	C51_Biased	2.050	2.015	0.035
50	A130_Unbiased	1.945	1.988	-0.043
50	A131_Unbiased	2.015	1.946	0.069
50	B50_Unbiased	2.007	1.996	0.011
50	B51_Unbiased	2.073	1.969	0.104
50	C53_Unbiased	2.045	1.959	0.086
0	106_Corr	2.124	2.019	0.105
100	A132_Biased	1.994	2.030	-0.036
100	A134_Biased	1.961	2.323	-0.362
100	A135_Biased	1.955	1.984	-0.029
100	B52_Biased	2.090	2.109	-0.019
100	B54_Biased	1.944	1.993	-0.049
100	B55_Biased	1.965	1.959	0.006
100	B56_Biased	2.043	2.015	0.028
100	B57_Biased	1.950	2.039	-0.089
100	B59_Biased	2.044	2.082	-0.038
100	B62_Biased	2.005	1.942	0.063
100	B63_Biased	2.080	2.021	0.059
100	B64_Biased	2.084	2.041	0.043
100	B66_Biased	2.082	2.015	0.067
100	B68_Biased	2.063	1.996	0.067
100	C54_Biased	2.024	1.971	0.053
100	C55_Biased	2.021	1.988	0.033
100	C56_Biased	2.077	2.017	0.060
100	C57_Biased	2.010	1.944	0.066
100	C58_Biased	2.043	1.992	0.051
100	C59_Biased	2.031	1.986	0.045
100	C65_Biased	1.998	1.977	0.021
100	C67_Biased	2.070	1.993	0.077
100	A122_Unbiased	1.982	2.016	-0.034
100	A138_Unbiased	2.011	2.007	0.004
100	A139_Unbiased	1.957	1.954	0.003
100	B60_Unbiased	2.050	2.046	0.004
100	B61_Unbiased	2.054	2.012	0.042
100	B69_Unbiased	2.050	2.031	0.019
100	B70_Unbiased	2.054	2.014	0.040
100	B71_Unbiased	2.090	2.082	0.008
100	B72_Unbiased	2.046	2.000	0.046
100	B73_Unbiased	1.995	1.994	0.001
100	B74_Unbiased	2.065	2.038	0.027
100	B77_Unbiased	2.012	2.038	-0.026
100	B78_Unbiased	2.076	1.999	0.077
100	B79_Unbiased	2.056	2.025	0.031
100	B80_Unbiased	2.064	1.996	0.068
100	C70_Unbiased	1.989	1.950	0.039
100	C71_Unbiased	2.047	1.996	0.051
100	C72_Unbiased	2.037	2.008	0.029
100	C73_Unbiased	2.015	1.980	0.035
100	C75_Unbiased	2.112	2.066	0.046
100	C76_Unbiased	1.999	1.957	0.042
100	C78_Unbiased	2.068	2.021	0.047
	Max	2.124	2.323	0.105
	Average	2.021	2.005	0.016
	Min	1.910	1.915	-0.362
	Std Dev	0.051	0.050	0.060

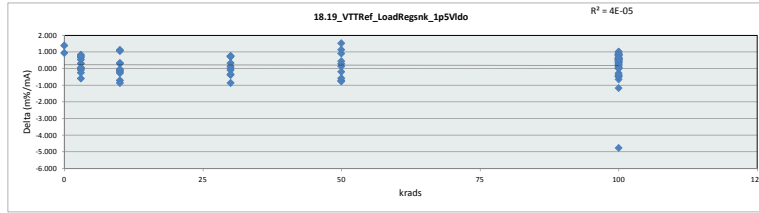


18_18_VTTRef_delta_1p5Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15					
Min Limit	-15					
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.988	1.915	1.961	1.942	1.946	1.942
Average	2.004	1.996	1.990	1.998	1.994	2.014
Max	2.019	2.032	2.027	2.067	2.056	2.323
UL	15.000	15.000	15.000	15.000	15.000	15.000

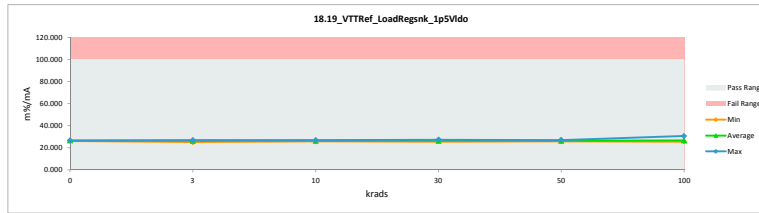


TID 100krad HDR Report
TPS7H3301-SP

18_19_VTTRef_LoadReqsнк_1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	27.237	26.293	0.944
3	A116_Biased	26.698	26.667	0.031
3	A117_Biased	25.270	25.345	-0.075
3	B36_Biased	26.955	26.628	0.327
3	B37_Biased	26.412	26.655	-0.243
3	C39_Unbiased	27.725	26.885	0.840
3	A118_Unbiased	25.355	25.287	0.068
3	A140_Unbiased	27.037	26.545	0.492
3	B38_Unbiased	27.328	26.788	0.540
3	B39_Unbiased	25.773	26.348	-0.575
3	C40_Unbiased	27.495	26.736	0.759
10	A119_Biased	26.006	26.083	-0.077
10	A120_Biased	25.991	25.843	0.148
10	B40_Biased	26.616	26.799	-0.183
10	C41_Biased	27.697	26.624	1.073
10	C42_Biased	26.654	26.313	0.341
10	A121_Unbiased	25.314	26.021	-0.707
10	A124_Unbiased	26.069	26.928	-0.859
10	B41_Unbiased	26.384	26.407	-0.023
10	C43_Unbiased	27.284	26.153	1.131
10	C44_Unbiased	26.286	25.972	0.314
30	A125_Biased	26.114	26.194	-0.080
30	B42_Biased	26.994	27.364	-0.370
30	B43_Biased	25.629	25.955	-0.326
30	C45_Biased	26.518	25.794	0.724
30	C46_Biased	27.514	26.757	0.757
30	A127_Unbiased	25.687	25.658	0.029
30	B45_Unbiased	25.776	26.626	-0.850
30	B47_Unbiased	26.711	26.365	0.346
30	C47_Unbiased	27.067	26.310	0.757
30	C50_Unbiased	27.103	27.103	0.000
50	A128_Biased	26.480	26.173	0.307
50	A129_Biased	26.944	27.118	-0.174
50	B48_Biased	25.865	26.562	-0.697
50	B49_Biased	25.937	26.703	-0.766
50	C51_Biased	27.051	26.593	0.458
50	A130_Unbiased	25.787	26.354	-0.567
50	A131_Unbiased	26.653	25.742	0.911
50	B50_Unbiased	26.544	26.391	0.153
50	B51_Unbiased	27.519	25.981	1.538
50	C53_Unbiased	27.043	25.906	1.137
0	106_Corr	28.071	26.682	1.389
100	A132_Biased	26.374	26.829	-0.455
100	A134_Biased	25.981	30.729	-4.748
100	A135_Biased	25.847	26.231	-0.384
100	B52_Biased	27.755	28.005	-0.250
100	B54_Biased	25.738	26.382	-0.644
100	B55_Biased	25.974	25.882	0.092
100	B56_Biased	26.905	26.584	0.321
100	B57_Biased	25.733	26.896	-1.163
100	B59_Biased	27.089	27.581	-0.492
100	B62_Biased	26.485	25.655	0.830
100	B63_Biased	27.493	26.715	0.778
100	B64_Biased	27.466	26.907	0.559
100	B66_Biased	27.529	26.656	0.873
100	B68_Biased	27.275	26.375	0.900
100	C54_Biased	26.797	26.105	0.692
100	C55_Biased	26.723	26.283	0.440
100	C56_Biased	27.421	26.628	0.793
100	C57_Biased	26.571	25.688	0.883
100	C58_Biased	27.013	26.345	0.668
100	C59_Biased	26.806	26.213	0.593
100	C65_Biased	26.442	26.162	0.280
100	C67_Biased	27.332	26.319	1.013
100	A122_Unbiased	26.135	26.580	-0.445
100	A138_Unbiased	26.554	26.497	0.057
100	A139_Unbiased	25.877	25.843	0.034
100	B60_Unbiased	27.136	26.958	0.178
100	B61_Unbiased	27.144	26.587	0.557
100	B69_Unbiased	27.136	26.895	0.241
100	B70_Unbiased	27.144	26.623	0.521
100	B71_Unbiased	27.671	27.569	0.102
100	B72_Unbiased	27.071	26.462	0.609
100	B73_Unbiased	26.427	26.424	0.003
100	B74_Unbiased	27.368	27.024	0.344
100	B77_Unbiased	26.629	26.980	-0.351
100	B78_Unbiased	27.466	26.442	1.024
100	B79_Unbiased	27.216	26.798	0.418
100	B80_Unbiased	27.305	26.424	0.881
100	C70_Unbiased	26.380	25.869	0.511
100	C71_Unbiased	27.049	26.238	0.811
100	C72_Unbiased	26.928	26.549	0.379
100	C73_Unbiased	26.692	26.225	0.467
100	C75_Unbiased	27.913	27.312	0.601
100	C76_Unbiased	26.348	25.798	0.550
100	C79_Unbiased	27.302	26.683	0.619
	Max	28.071	30.729	1.538
	Average	26.724	26.507	0.217
	Min	25.270	25.287	-4.748
	Std Dev	0.669	0.668	0.786

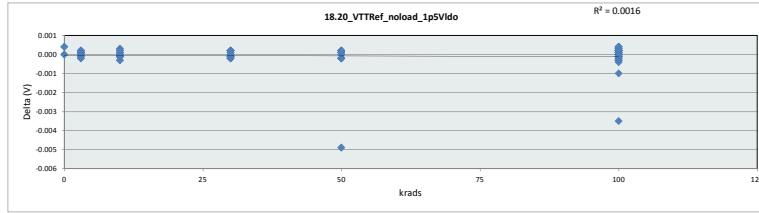


18_19_VTTRef_LoadReqsнк_1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	26.293	25.287	25.843	25.658	25.742	25.655
Average	26.488	26.388	26.314	26.413	26.352	26.635
Max	26.682	26.885	26.928	27.364	27.118	30.729
UL	100.000	100.000	100.000	100.000	100.000	100.000

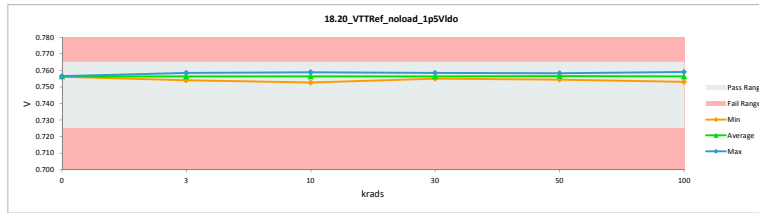


TID 100krad HDR Report
TPS7H3301-SP

18_20_VTTRef_noload_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.757	0.756	0.000
3	A116_Biased	0.757	0.757	0.000
3	A117_Biased	0.756	0.756	0.000
3	B36_Biased	0.756	0.756	0.000
3	B37_Biased	0.757	0.757	0.000
3	C39_Biased	0.756	0.756	0.000
3	A118_Unbiased	0.759	0.758	0.000
3	A140_Unbiased	0.757	0.757	0.000
3	B38_Unbiased	0.757	0.757	0.000
3	B39_Unbiased	0.754	0.754	0.000
3	C40_Unbiased	0.755	0.755	0.000
10	A119_Biased	0.757	0.757	0.000
10	A120_Biased	0.759	0.759	0.000
10	B40_Biased	0.755	0.756	0.000
10	C41_Biased	0.757	0.757	0.000
10	C42_Biased	0.759	0.759	0.000
10	A121_Unbiased	0.755	0.755	0.000
10	A124_Unbiased	0.753	0.753	0.000
10	B41_Unbiased	0.758	0.758	0.000
10	C43_Unbiased	0.755	0.755	0.000
10	C44_Unbiased	0.755	0.755	0.000
30	A125_Biased	0.757	0.757	0.000
30	B42_Biased	0.755	0.755	0.000
30	B43_Biased	0.757	0.757	0.000
30	C45_Biased	0.758	0.758	0.000
30	C46_Biased	0.755	0.755	0.000
30	A127_Unbiased	0.757	0.757	0.000
30	B45_Unbiased	0.755	0.755	0.000
30	B47_Unbiased	0.758	0.758	0.000
30	C47_Unbiased	0.756	0.756	0.000
30	C50_Unbiased	0.756	0.756	0.000
50	A128_Biased	0.757	0.757	0.000
50	A129_Biased	0.758	0.758	0.000
50	B48_Biased	0.755	0.755	0.000
50	B49_Biased	0.757	0.757	0.000
50	C51_Biased	0.758	0.758	0.000
50	A130_Unbiased	0.754	0.754	0.000
50	A131_Unbiased	0.756	0.756	0.000
50	B50_Unbiased	0.756	0.756	0.000
50	B51_Unbiased	0.758	-0.005	0.000
50	C53_Unbiased	0.756	0.756	0.000
0	106_Corr	0.757	0.757	0.000
100	A132_Biased	0.756	0.757	0.000
100	A134_Biased	0.755	0.756	-0.001
100	A135_Biased	0.756	0.756	0.000
100	B52_Biased	0.753	0.753	0.000
100	B54_Biased	0.755	0.755	0.000
100	B55_Biased	0.757	0.757	0.000
100	B56_Biased	0.758	0.758	0.000
100	B57_Biased	0.758	0.758	0.000
100	B59_Biased	0.754	0.755	0.000
100	B62_Biased	0.757	0.757	0.000
100	B63_Biased	0.757	0.757	0.000
100	B64_Biased	0.759	0.758	0.000
100	B66_Biased	0.756	0.756	0.000
100	B68_Biased	0.756	0.757	0.000
100	C54_Biased	0.755	0.755	0.000
100	C55_Biased	0.756	0.756	0.000
100	C56_Biased	0.757	0.758	0.000
100	C57_Biased	0.757	0.757	0.000
100	C58_Biased	0.756	0.756	0.000
100	C59_Biased	0.758	0.758	0.000
100	C65_Biased	0.756	0.756	0.000
100	C67_Biased	0.757	0.757	0.000
100	A122_Unbiased	0.758	0.758	0.000
100	A138_Unbiased	0.757	0.757	0.000
100	A139_Unbiased	0.756	0.756	0.000
100	B60_Unbiased	0.759	0.759	-0.003
100	B61_Unbiased	0.757	0.757	0.000
100	B69_Unbiased	0.756	0.755	0.000
100	B70_Unbiased	0.757	0.757	0.000
100	B71_Unbiased	0.755	0.755	0.000
100	B72_Unbiased	0.756	0.756	0.000
100	B73_Unbiased	0.755	0.754	0.000
100	B74_Unbiased	0.755	0.754	0.000
100	B77_Unbiased	0.756	0.756	0.000
100	B78_Unbiased	0.756	0.756	0.000
100	B79_Unbiased	0.756	0.756	0.000
100	B80_Unbiased	0.756	0.756	0.000
100	C70_Unbiased	0.754	0.754	0.000
100	C71_Unbiased	0.757	0.757	0.000
100	C72_Unbiased	0.756	0.756	0.000
100	C73_Unbiased	0.755	0.755	0.000
100	C75_Unbiased	0.757	0.757	0.000
100	C76_Unbiased	0.759	0.759	0.000
100	C79_Unbiased	0.757	0.757	0.000
	Max	0.759	0.759	0.000
	Average	0.756	0.756	0.000
	Min	0.753	0.753	-0.005
	Std Dev	0.001	0.001	0.001

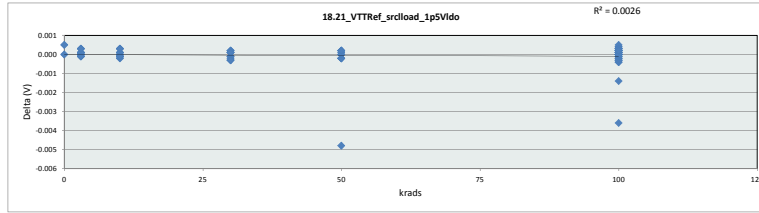


18_20_VTTRef_noload_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.756	0.754	0.753	0.755	0.755	0.753
Average	0.756	0.756	0.756	0.756	0.756	0.756
Max	0.757	0.759	0.759	0.759	0.758	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765

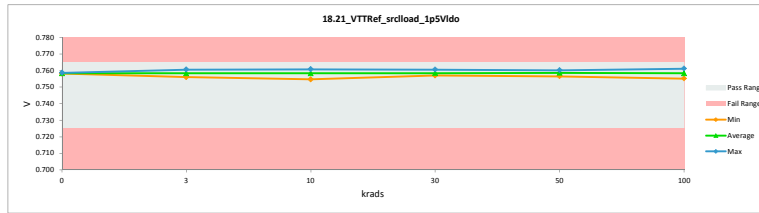


TID 100krad HDR Report
TPS7H3301-SP

18_21_VTTRef_srcload_ip5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V			
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.759	0.758	0.001
3	A116_Biased	0.759	0.759	0.000
3	A117_Biased	0.758	0.758	0.000
3	B36_Biased	0.758	0.758	0.000
3	B37_Biased	0.759	0.759	0.000
3	C39_Biased	0.758	0.758	0.000
3	A118_Unbiased	0.761	0.761	0.000
3	A140_Unbiased	0.759	0.758	0.000
3	B38_Unbiased	0.759	0.759	0.000
3	B39_Unbiased	0.756	0.756	0.000
3	C40_Unbiased	0.757	0.757	0.000
10	A119_Biased	0.759	0.759	0.000
10	A120_Biased	0.761	0.761	0.000
10	B40_Biased	0.757	0.757	0.000
10	C41_Biased	0.759	0.759	0.000
10	C42_Biased	0.761	0.761	0.000
10	A121_Unbiased	0.757	0.757	0.000
10	A124_Unbiased	0.755	0.755	0.000
10	B41_Unbiased	0.760	0.760	0.000
10	C43_Unbiased	0.757	0.757	0.000
10	C44_Unbiased	0.757	0.757	0.000
30	A125_Biased	0.759	0.759	0.000
30	B42_Biased	0.757	0.757	0.000
30	B43_Biased	0.759	0.759	0.000
30	C45_Biased	0.761	0.760	0.000
30	C46_Biased	0.757	0.757	0.000
30	A127_Unbiased	0.758	0.758	0.000
30	B45_Unbiased	0.757	0.757	0.000
30	B47_Unbiased	0.761	0.761	0.000
30	C47_Unbiased	0.758	0.758	0.000
30	C50_Unbiased	0.758	0.757	0.000
50	A128_Biased	0.759	0.759	0.000
50	A129_Biased	0.760	0.760	0.000
50	B48_Biased	0.757	0.757	0.000
50	B49_Biased	0.759	0.759	0.000
50	C51_Biased	0.760	0.760	0.000
50	A130_Unbiased	0.756	0.757	0.000
50	A131_Unbiased	0.758	0.758	0.000
50	B50_Unbiased	0.758	0.758	0.000
50	B51_Unbiased	0.760	-0.005	0.000
50	C53_Unbiased	0.758	0.758	0.000
0	106_Corr	0.759	0.759	0.000
100	A132_Biased	0.758	0.759	0.000
100	A134_Biased	0.757	0.758	-0.001
100	A135_Biased	0.758	0.758	0.000
100	B52_Biased	0.755	0.755	0.000
100	B54_Biased	0.757	0.757	0.000
100	B55_Biased	0.758	0.759	0.000
100	B56_Biased	0.760	0.760	0.000
100	B57_Biased	0.760	0.760	0.000
100	B59_Biased	0.757	0.757	0.000
100	B62_Biased	0.759	0.759	0.000
100	B63_Biased	0.759	0.758	0.000
100	B64_Biased	0.761	0.760	0.000
100	B66_Biased	0.758	0.758	0.000
100	B68_Biased	0.758	0.759	0.000
100	C54_Biased	0.757	0.757	0.000
100	C55_Biased	0.758	0.758	0.000
100	C56_Biased	0.760	0.760	0.000
100	C57_Biased	0.759	0.759	0.000
100	C58_Biased	0.758	0.758	0.000
100	C59_Biased	0.760	0.760	0.000
100	C65_Biased	0.757	0.757	0.000
100	C67_Biased	0.759	0.759	0.000
100	A122_Unbiased	0.760	0.760	0.000
100	A138_Unbiased	0.759	0.759	0.000
100	A139_Unbiased	0.758	0.758	0.000
100	B60_Unbiased	0.757	0.761	-0.004
100	B61_Unbiased	0.759	0.759	0.000
100	B69_Unbiased	0.757	0.757	0.000
100	B70_Unbiased	0.759	0.758	0.000
100	B71_Unbiased	0.757	0.757	0.000
100	B72_Unbiased	0.758	0.758	0.000
100	B73_Unbiased	0.757	0.757	0.000
100	B74_Unbiased	0.757	0.756	0.000
100	B77_Unbiased	0.758	0.758	0.000
100	B78_Unbiased	0.758	0.758	0.000
100	B79_Unbiased	0.758	0.757	0.000
100	B80_Unbiased	0.758	0.757	0.001
100	C70_Unbiased	0.756	0.756	0.000
100	C71_Unbiased	0.759	0.759	0.000
100	C72_Unbiased	0.758	0.758	0.000
100	C73_Unbiased	0.757	0.757	0.000
100	C75_Unbiased	0.759	0.759	0.000
100	C76_Unbiased	0.761	0.761	0.000
100	C79_Unbiased	0.760	0.759	0.000
	Max	0.761	0.761	0.001
	Average	0.758	0.758	0.000
	Min	0.755	0.755	-0.005
	Std Dev	0.001	0.001	0.001

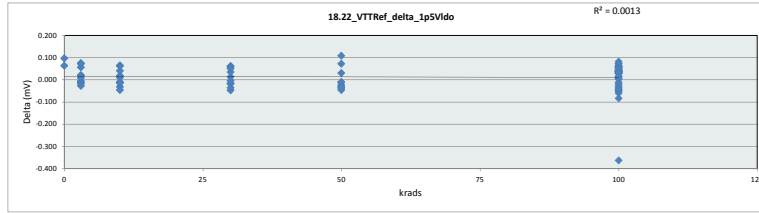


18_21_VTTRef_srcload_ip5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.758	0.756	0.755	0.757	0.757	0.755
Average	0.758	0.758	0.758	0.758	0.759	0.758
Max	0.759	0.761	0.761	0.761	0.760	0.761
UL	0.765	0.765	0.765	0.765	0.765	0.765

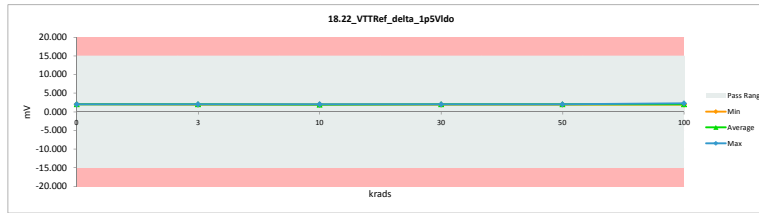


TID 100krad HDR Report
TPS7H3301-SP

18_22_VTTRef_delta_1p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.063	1.999	0.064
3	A116_Biased	2.057	2.037	0.020
3	A117_Biased	1.974	1.953	0.021
3	B36_Biased	2.014	2.020	-0.006
3	B37_Biased	2.014	2.031	-0.017
3	C39_Biased	2.069	2.013	0.056
3	A118_Unbiased	1.932	1.943	-0.011
3	A140_Unbiased	2.063	1.991	0.072
3	B38_Unbiased	2.032	2.023	0.009
3	B39_Unbiased	1.941	1.968	-0.027
3	C40_Unbiased	2.083	2.008	0.075
10	A119_Biased	1.941	1.951	-0.010
10	A120_Biased	1.936	1.948	-0.012
10	B40_Biased	2.044	2.034	0.010
10	C41_Biased	2.060	1.995	0.065
10	C42_Biased	2.016	1.997	0.019
10	A121_Unbiased	1.906	1.951	-0.045
10	A124_Unbiased	1.966	1.980	-0.014
10	B41_Unbiased	2.035	2.047	-0.012
10	C43_Unbiased	2.056	2.015	0.041
10	C44_Unbiased	2.023	1.961	0.062
30	A125_Biased	1.977	1.996	-0.019
30	B42_Biased	2.057	2.072	-0.015
30	B43_Biased	1.955	1.941	0.014
30	C45_Biased	2.040	2.005	0.035
30	C46_Biased	2.090	2.028	0.062
30	A127_Unbiased	1.921	1.948	-0.047
30	B45_Unbiased	1.997	2.033	-0.036
30	B47_Unbiased	2.035	2.039	-0.004
30	C47_Unbiased	2.024	1.966	0.058
30	C50_Unbiased	2.057	2.057	0.001
50	A128_Biased	1.975	1.997	-0.022
50	A129_Biased	2.047	2.058	-0.011
50	B48_Biased	1.974	2.011	-0.037
50	B49_Biased	1.999	2.010	-0.010
50	C51_Biased	2.042	2.011	0.031
50	A130_Unbiased	1.974	2.005	-0.031
50	A131_Unbiased	1.954	2.000	-0.046
50	B50_Unbiased	1.970	2.001	-0.031
50	B51_Unbiased	2.075	1.966	0.109
50	C53_Unbiased	2.014	1.941	0.073
0	106_Corr	2.104	2.007	0.097
100	A132_Biased	1.974	2.024	-0.050
100	A134_Biased	1.967	2.330	-0.363
100	A135_Biased	1.927	1.970	-0.043
100	B52_Biased	2.090	2.084	0.006
100	B54_Biased	1.987	1.984	0.003
100	B55_Biased	1.938	1.990	-0.052
100	B56_Biased	2.023	2.041	-0.018
100	B57_Biased	1.987	2.070	-0.083
100	B59_Biased	2.060	2.094	-0.034
100	B62_Biased	1.992	1.918	0.074
100	B63_Biased	2.079	1.996	0.083
100	B64_Biased	2.090	2.074	0.016
100	B66_Biased	2.053	2.023	0.030
100	B68_Biased	2.051	2.005	0.046
100	C54_Biased	2.050	1.993	0.057
100	C55_Biased	2.009	1.969	0.040
100	C56_Biased	2.034	2.032	0.002
100	C57_Biased	1.988	1.946	0.042
100	C58_Biased	2.008	1.967	0.041
100	C59_Biased	2.004	1.958	0.046
100	C65_Biased	2.010	1.972	0.038
100	C67_Biased	2.039	2.001	0.038
100	A122_Unbiased	1.994	2.054	-0.060
100	A138_Unbiased	1.987	2.014	-0.027
100	A139_Unbiased	1.996	1.927	-0.041
100	B60_Unbiased	2.075	2.086	-0.011
100	B61_Unbiased	2.051	2.019	0.032
100	B69_Unbiased	2.075	2.039	0.036
100	B70_Unbiased	2.051	1.993	0.058
100	B71_Unbiased	2.098	2.079	0.029
100	B72_Unbiased	2.085	2.024	0.061
100	B73_Unbiased	2.023	2.009	0.014
100	B74_Unbiased	2.088	2.029	0.059
100	B77_Unbiased	2.072	2.033	0.039
100	B78_Unbiased	2.021	1.982	0.039
100	B79_Unbiased	2.095	2.030	0.065
100	B80_Unbiased	2.054	2.009	0.045
100	C70_Unbiased	2.004	1.932	0.072
100	C71_Unbiased	2.064	2.009	0.055
100	C72_Unbiased	2.024	1.995	0.029
100	C73_Unbiased	2.023	1.972	0.051
100	C75_Unbiased	2.103	2.070	0.033
100	C76_Unbiased	2.003	1.974	0.029
100	C79_Unbiased	2.038	2.028	0.010
	Max	2.108	2.330	0.109
	Average	2.022	2.008	0.013
	Min	1.896	1.918	-0.363
	Std Dev	0.051	0.052	0.058

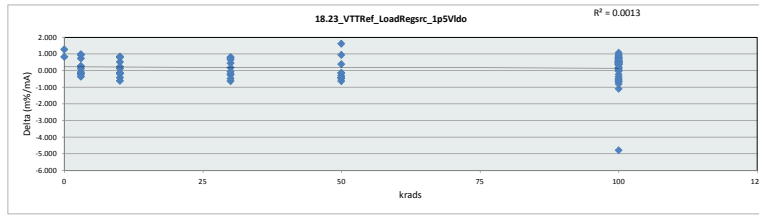


18_22_VTTRef_delta_1p5Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.999	1.943	1.951	1.941	1.941	1.918
Average	2.003	1.999	1.990	2.011	2.000	2.016
Max	2.007	2.037	2.047	2.072	2.058	2.330
UL	15.000	15.000	15.000	15.000	15.000	15.000

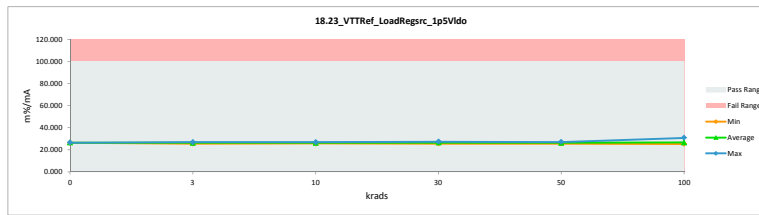


TID 100krad HDR Report
TPS7H3301-SP

18_23_VTTRef_LoadRegrsc_1p5V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	27.274	26.433	0.841
3	A116_Biased	27.173	26.919	0.254
3	A117_Biased	26.124	25.838	0.286
3	B36_Biased	26.636	26.712	-0.076
3	B37_Biased	26.618	26.838	-0.220
3	C39_Biased	27.358	26.623	0.735
3	A118_Unbiased	25.464	25.615	-0.151
3	A140_Unbiased	27.274	26.918	0.956
3	B38_Unbiased	26.834	26.713	0.121
3	B39_Unbiased	25.741	26.098	-0.357
3	C40_Unbiased	27.587	26.604	0.983
10	A119_Biased	25.632	25.764	-0.132
10	A120_Biased	25.520	25.834	-0.414
10	B40_Biased	27.061	26.929	0.132
10	C41_Biased	27.206	26.346	0.860
10	C42_Biased	26.563	26.318	0.245
10	A121_Unbiased	25.244	25.846	-0.602
10	A124_Unbiased	26.116	26.298	-0.182
10	B41_Unbiased	26.841	26.990	-0.149
10	C43_Unbiased	27.233	26.699	0.534
10	C44_Unbiased	26.780	25.974	0.806
30	A125_Biased	26.126	26.378	-0.252
30	B42_Biased	27.236	27.426	-0.190
30	B43_Biased	25.833	25.641	0.192
30	C45_Biased	26.896	26.444	0.452
30	C46_Biased	27.678	26.855	0.823
30	A127_Unbiased	25.994	26.009	-0.615
30	B45_Unbiased	26.461	26.924	-0.463
30	B47_Unbiased	26.826	26.881	-0.055
30	C47_Unbiased	26.769	26.009	0.760
30	C50_Unbiased	27.901	27.236	0.665
50	A128_Biased	26.072	26.372	-0.300
50	A129_Biased	27.003	27.140	-0.137
50	B48_Biased	26.145	26.622	-0.477
50	B49_Biased	26.409	26.537	-0.128
50	C51_Biased	26.943	26.540	0.403
50	A130_Unbiased	26.175	26.578	-0.403
50	A131_Unbiased	25.844	26.461	-0.617
50	B50_Unbiased	26.050	26.461	-0.411
50	B51_Unbiased	27.557	25.939	1.618
50	C53_Unbiased	26.631	25.674	0.957
0	106_Corr	27.812	26.524	1.288
100	A132_Biased	26.099	26.752	-0.653
100	A134_Biased	26.061	30.828	-4.767
100	A135_Biased	25.480	26.051	-0.571
100	B52_Biased	27.749	27.668	0.081
100	B54_Biased	26.300	26.268	0.032
100	B55_Biased	25.621	26.288	-0.667
100	B56_Biased	26.699	26.927	-0.228
100	B57_Biased	26.221	27.302	-1.081
100	B59_Biased	27.307	27.750	-0.443
100	B62_Biased	26.309	25.334	0.975
100	B63_Biased	27.477	26.383	1.094
100	B64_Biased	27.548	27.354	0.194
100	B66_Biased	27.136	26.760	0.376
100	B68_Biased	27.116	26.499	0.617
100	C54_Biased	27.135	26.392	0.743
100	C55_Biased	26.565	26.039	0.526
100	C56_Biased	26.856	26.423	0.433
100	C57_Biased	26.282	25.716	0.566
100	C58_Biased	26.561	26.016	0.545
100	C59_Biased	26.455	25.844	0.611
100	C65_Biased	26.609	26.102	0.507
100	C67_Biased	26.928	26.429	0.499
100	A122_Unbiased	26.296	27.085	-0.789
100	A138_Unbiased	26.245	26.590	-0.345
100	A139_Unbiased	25.069	25.624	-0.555
100	B60_Unbiased	27.464	27.485	-0.021
100	B61_Unbiased	27.106	26.684	0.422
100	B69_Unbiased	27.464	26.993	0.471
100	B70_Unbiased	27.106	26.339	0.767
100	B71_Unbiased	27.903	27.525	0.378
100	B72_Unbiased	27.588	26.791	0.797
100	B73_Unbiased	26.806	26.630	0.176
100	B74_Unbiased	27.672	26.901	0.771
100	B77_Unbiased	27.423	26.902	0.521
100	B78_Unbiased	26.736	26.519	0.519
100	B79_Unbiased	27.730	26.873	0.857
100	B80_Unbiased	27.167	26.591	0.576
100	C70_Unbiased	26.574	25.631	0.943
100	C71_Unbiased	27.267	26.545	0.722
100	C72_Unbiased	26.756	26.375	0.381
100	C73_Unbiased	26.789	26.118	0.671
100	C75_Unbiased	27.799	27.357	0.442
100	C76_Unbiased	26.401	26.027	0.374
100	C79_Unbiased	26.912	26.748	0.164
	Max	27.903	30.828	1.618
	Average	26.731	26.554	0.177
	Min	25.069	25.334	-4.767
	Std Dev	0.680	0.694	0.768

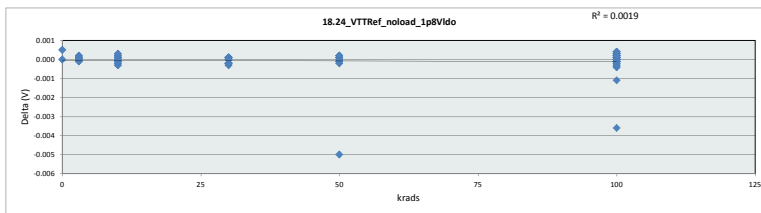


18_23_VTTRef_LoadRegrsc_1p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	26.433	25.615	25.764	25.641	25.674	25.334
Average	26.479	26.428	26.310	26.580	26.432	26.663
Max	26.524	26.919	26.990	27.426	27.140	30.828
UL	100.000	100.000	100.000	100.000	100.000	100.000

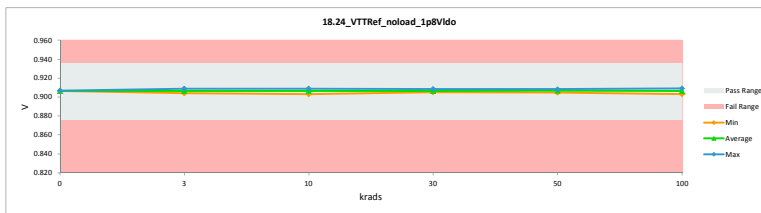


TID 100krad HDR Report
TPS7H3301-SP

18.24_VTTRef_noload_1p8VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.907	0.906	0.000
3	A116_Biased	0.907	0.907	0.000
3	A117_Biased	0.906	0.906	0.000
3	B36_Biased	0.906	0.906	0.000
3	B37_Biased	0.907	0.907	0.000
3	C39_Biased	0.906	0.906	0.000
3	A118_Unbiased	0.909	0.909	0.000
3	A140_Unbiased	0.907	0.907	0.000
3	B38_Unbiased	0.908	0.908	0.000
3	B39_Unbiased	0.904	0.904	0.000
3	C40_Unbiased	0.905	0.905	0.000
10	A119_Biased	0.908	0.908	0.000
10	A120_Biased	0.909	0.909	0.000
10	B40_Biased	0.905	0.906	0.000
10	C41_Biased	0.907	0.907	0.000
10	C42_Biased	0.909	0.909	0.000
10	A121_Unbiased	0.905	0.905	0.000
10	A124_Unbiased	0.903	0.903	0.000
10	B41_Unbiased	0.909	0.909	0.000
10	C43_Unbiased	0.905	0.905	0.000
10	C44_Unbiased	0.905	0.905	0.000
30	A125_Biased	0.907	0.907	0.000
30	B42_Biased	0.905	0.906	0.000
30	B43_Biased	0.907	0.907	0.000
30	C45_Biased	0.909	0.909	0.000
30	C46_Biased	0.905	0.905	0.000
30	A127_Unbiased	0.907	0.907	0.000
30	B45_Unbiased	0.905	0.905	0.000
30	B47_Unbiased	0.909	0.909	0.000
30	C47_Unbiased	0.906	0.906	0.000
30	C50_Unbiased	0.906	0.906	0.000
50	A128_Biased	0.908	0.907	0.000
50	A129_Biased	0.908	0.908	0.000
50	B48_Biased	0.905	0.905	0.000
50	B49_Biased	0.907	0.907	0.000
50	C51_Biased	0.908	0.908	0.000
50	A130_Unbiased	0.905	0.905	0.000
50	A131_Unbiased	0.906	0.906	0.000
50	B50_Unbiased	0.906	0.906	0.000
50	B51_Unbiased	0.903	-0.005	0.000
50	C53_Unbiased	0.906	0.906	0.000
0	106_Corr	0.907	0.907	0.000
100	A132_Biased	0.906	0.907	0.000
100	A134_Biased	0.905	0.906	-0.001
100	A135_Biased	0.906	0.906	0.000
100	B52_Biased	0.903	0.903	0.000
100	B54_Biased	0.906	0.906	0.000
100	B55_Biased	0.907	0.907	0.000
100	B56_Biased	0.908	0.908	0.000
100	B57_Biased	0.908	0.908	0.000
100	B59_Biased	0.905	0.905	0.000
100	B62_Biased	0.907	0.907	0.000
100	B63_Biased	0.907	0.907	0.000
100	B64_Biased	0.909	0.909	0.000
100	B66_Biased	0.907	0.906	0.000
100	B68_Biased	0.907	0.907	0.000
100	C54_Biased	0.906	0.905	0.000
100	C55_Biased	0.906	0.906	0.000
100	C56_Biased	0.908	0.908	0.000
100	C57_Biased	0.907	0.907	0.000
100	C58_Biased	0.906	0.906	0.000
100	C59_Biased	0.908	0.908	0.000
100	C65_Biased	0.906	0.906	0.000
100	C67_Biased	0.907	0.907	0.000
100	A122_Unbiased	0.908	0.909	0.000
100	A138_Unbiased	0.907	0.908	0.000
100	A139_Unbiased	0.906	0.906	0.000
100	B60_Unbiased	0.906	0.907	-0.004
100	B61_Unbiased	0.907	0.907	0.000
100	B69_Unbiased	0.906	0.905	0.000
100	B70_Unbiased	0.907	0.907	0.000
100	B71_Unbiased	0.906	0.905	0.000
100	B72_Unbiased	0.906	0.906	0.000
100	B73_Unbiased	0.905	0.905	0.000
100	B74_Unbiased	0.905	0.905	0.000
100	B77_Unbiased	0.906	0.906	0.000
100	B78_Unbiased	0.906	0.906	0.000
100	B79_Unbiased	0.906	0.906	0.000
100	B80_Unbiased	0.906	0.906	0.000
100	C70_Unbiased	0.904	0.904	0.000
100	C71_Unbiased	0.907	0.907	0.000
100	C72_Unbiased	0.906	0.906	0.000
100	C73_Unbiased	0.905	0.905	0.000
100	C75_Unbiased	0.907	0.907	0.000
100	C76_Unbiased	0.909	0.909	0.000
100	C78_Unbiased	0.908	0.908	0.000
Max		0.909	0.909	0.000
Average		0.906	0.907	0.000
Min		0.903	0.903	-0.005
Std Dev		0.001	0.001	0.001

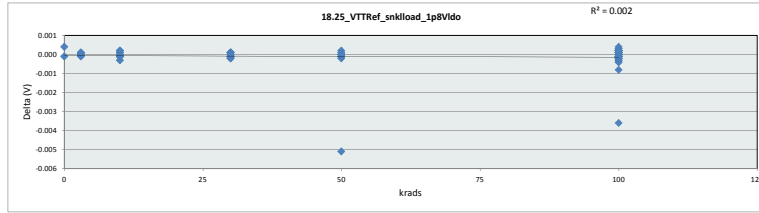


18.24_VTTRef_noload_1p8VIdc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935 V					
Min Limit	0.875 V					
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.906	0.904	0.903	0.905	0.905	0.903
Average	0.907	0.906	0.906	0.907	0.907	0.906
Max	0.907	0.909	0.909	0.909	0.908	0.909
UL	0.935	0.935	0.935	0.935	0.935	0.935

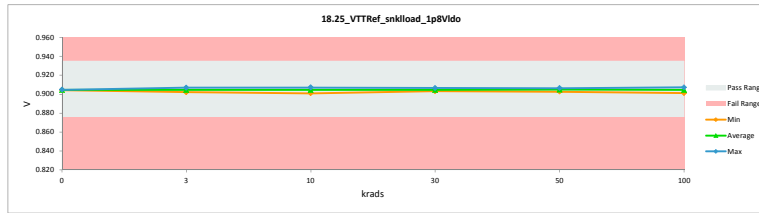


TID 100krad HDR Report
TPS7H3301-SP

18.25_VTTRef_snkload_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.905	0.904	0.000
3	A116_Biased	0.905	0.905	0.000
3	A117_Biased	0.904	0.904	0.000
3	B36_Biased	0.904	0.904	0.000
3	B37_Biased	0.905	0.905	0.000
3	C39_Biased	0.904	0.904	0.000
3	A118_Unbiased	0.907	0.907	0.000
3	A140_Unbiased	0.905	0.905	0.000
3	B38_Unbiased	0.905	0.905	0.000
3	B39_Unbiased	0.902	0.902	0.000
3	C40_Unbiased	0.903	0.903	0.000
10	A119_Biased	0.906	0.906	0.000
10	A120_Biased	0.907	0.907	0.000
10	B40_Biased	0.903	0.904	0.000
10	C41_Biased	0.905	0.905	0.000
10	C42_Biased	0.907	0.907	0.000
10	A121_Unbiased	0.903	0.903	0.000
10	A124_Unbiased	0.901	0.901	0.000
10	B41_Unbiased	0.906	0.906	0.000
10	C43_Unbiased	0.903	0.903	0.000
10	C44_Unbiased	0.903	0.903	0.000
30	A125_Biased	0.905	0.905	0.000
30	B42_Biased	0.903	0.904	0.000
30	B43_Biased	0.905	0.905	0.000
30	C45_Biased	0.907	0.906	0.000
30	C46_Biased	0.903	0.903	0.000
30	A127_Unbiased	0.905	0.905	0.000
30	B45_Unbiased	0.903	0.903	0.000
30	B47_Unbiased	0.907	0.907	0.000
30	C47_Unbiased	0.904	0.904	0.000
30	C50_Unbiased	0.904	0.904	0.000
50	A128_Biased	0.905	0.905	0.000
50	A129_Biased	0.906	0.906	0.000
50	B48_Biased	0.903	0.904	0.000
50	B49_Biased	0.905	0.905	0.000
50	C51_Biased	0.906	0.906	0.000
50	A130_Unbiased	0.902	0.903	0.000
50	A131_Unbiased	0.904	0.904	0.000
50	B50_Unbiased	0.904	0.904	0.000
50	B51_Unbiased	0.901	-0.005	0.000
50	C53_Unbiased	0.904	0.904	0.000
0	106_Corr	0.905	0.905	0.000
100	A132_Biased	0.904	0.905	0.000
100	A134_Biased	0.903	0.904	-0.001
100	A135_Biased	0.904	0.905	0.000
100	B52_Biased	0.901	0.901	0.000
100	B54_Biased	0.904	0.904	0.000
100	B55_Biased	0.905	0.905	0.000
100	B56_Biased	0.906	0.906	0.000
100	B57_Biased	0.906	0.906	0.000
100	B59_Biased	0.903	0.903	0.000
100	B62_Biased	0.905	0.905	0.000
100	B63_Biased	0.905	0.905	0.000
100	B64_Biased	0.907	0.906	0.000
100	B66_Biased	0.905	0.904	0.000
100	B68_Biased	0.905	0.905	0.000
100	C54_Biased	0.904	0.903	0.000
100	C55_Biased	0.905	0.905	0.000
100	C56_Biased	0.906	0.906	0.000
100	C57_Biased	0.905	0.905	0.000
100	C58_Biased	0.904	0.904	0.000
100	C59_Biased	0.906	0.906	0.000
100	C65_Biased	0.904	0.904	0.000
100	C67_Biased	0.905	0.905	0.000
100	A122_Unbiased	0.906	0.906	0.000
100	A138_Unbiased	0.905	0.905	0.000
100	A139_Unbiased	0.904	0.904	0.000
100	B60_Unbiased	0.904	0.907	-0.004
100	B61_Unbiased	0.905	0.905	0.000
100	B69_Unbiased	0.904	0.903	0.000
100	B70_Unbiased	0.905	0.905	0.000
100	B71_Unbiased	0.903	0.903	0.000
100	B72_Unbiased	0.904	0.904	0.000
100	B73_Unbiased	0.903	0.903	0.000
100	B74_Unbiased	0.903	0.902	0.000
100	B77_Unbiased	0.904	0.904	0.000
100	B78_Unbiased	0.904	0.904	0.000
100	B79_Unbiased	0.904	0.904	0.000
100	B80_Unbiased	0.904	0.904	0.000
100	C70_Unbiased	0.902	0.902	0.000
100	C71_Unbiased	0.905	0.905	0.000
100	C72_Unbiased	0.905	0.905	0.000
100	C73_Unbiased	0.903	0.903	0.000
100	C75_Unbiased	0.905	0.905	0.000
100	C76_Unbiased	0.907	0.907	0.000
100	C79_Unbiased	0.905	0.905	0.000
Max	0.907	0.907	0.000	
Average	0.904	0.905	0.000	
Min	0.901	0.901	-0.005	
Std Dev	0.001	0.001	0.001	

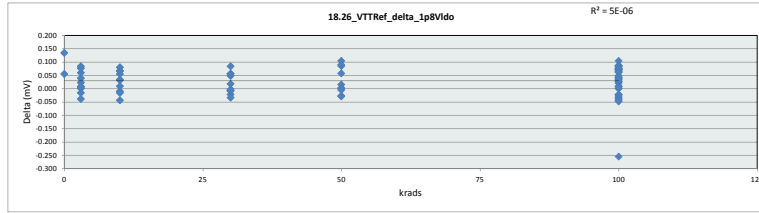


18.25_VTTRef_snkload_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935 V					
Min Limit	0.875 V					
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.904	0.902	0.901	0.903	0.903	0.901
Average	0.905	0.904	0.905	0.905	0.905	0.904
Max	0.905	0.907	0.907	0.907	0.906	0.907
UL	0.935	0.935	0.935	0.935	0.935	0.935

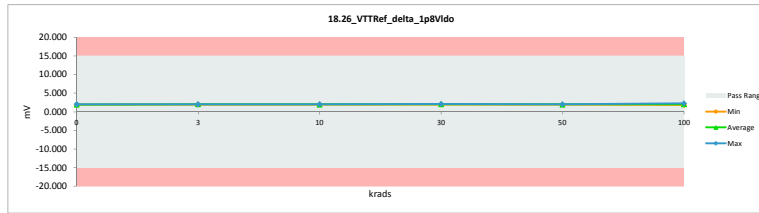


TID 100krad HDR Report
TPS7H3301-SP

18.26_VTTRef_delta_1p8Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.050	1.995	0.055
3	A116_Biased	2.031	2.008	0.023
3	A117_Biased	1.962	1.961	0.001
3	B36_Biased	2.017	2.011	0.006
3	B37_Biased	1.971	2.009	-0.038
3	C39_Biased	2.084	2.044	0.040
3	A118_Unbiased	1.946	1.938	0.008
3	A140_Unbiased	2.050	1.966	0.084
3	B38_Unbiased	2.050	1.990	0.060
3	B39_Unbiased	1.999	2.014	-0.015
3	C40_Unbiased	2.124	2.047	0.077
10	A119_Biased	1.949	1.917	0.032
10	A120_Biased	1.938	1.948	-0.010
10	B40_Biased	2.068	2.002	0.066
10	C41_Biased	2.072	1.991	0.081
10	C42_Biased	2.016	1.982	0.034
10	A121_Unbiased	1.979	1.994	-0.015
10	A124_Unbiased	1.953	1.996	-0.043
10	B41_Unbiased	2.005	1.995	0.010
10	C43_Unbiased	2.122	2.055	0.067
10	C44_Unbiased	2.051	1.996	0.055
30	A125_Biased	1.943	1.965	-0.022
30	B42_Biased	2.086	2.094	-0.008
30	B43_Biased	1.932	1.939	-0.007
30	C45_Biased	2.028	1.972	0.056
30	C46_Biased	2.146	2.062	0.084
30	A127_Unbiased	1.899	1.933	-0.034
30	B45_Unbiased	2.056	2.058	-0.002
30	B47_Unbiased	2.042	2.024	0.018
30	C47_Unbiased	2.031	1.983	0.048
30	C50_Unbiased	2.115	2.060	0.055
50	A128_Biased	1.999	1.941	0.058
50	A129_Biased	2.060	2.044	0.016
50	B48_Biased	2.007	2.033	-0.026
50	B49_Biased	1.963	1.992	-0.029
50	C51_Biased	2.069	1.964	0.105
50	A130_Unbiased	2.006	2.004	0.002
50	A131_Unbiased	1.994	1.992	0.002
50	B50_Unbiased	1.984	1.989	-0.005
50	B51_Unbiased	2.075	1.990	0.085
50	C53_Unbiased	2.047	1.957	0.090
0	106_Corr	2.100	1.966	0.134
100	A132_Biased	1.984	1.974	0.010
100	A134_Biased	2.041	2.295	-0.254
100	A135_Biased	1.943	1.966	-0.023
100	B52_Biased	2.074	2.074	0.000
100	B54_Biased	1.927	1.961	-0.034
100	B55_Biased	1.932	1.968	-0.036
100	B56_Biased	2.004	2.032	-0.028
100	B57_Biased	1.996	2.039	-0.043
100	B59_Biased	2.096	2.144	-0.048
100	B62_Biased	1.981	1.908	0.073
100	B63_Biased	2.055	1.982	0.073
100	B64_Biased	2.109	2.041	0.068
100	B66_Biased	2.073	2.007	0.066
100	B68_Biased	2.044	1.956	0.088
100	C54_Biased	2.060	2.011	0.049
100	C55_Biased	2.006	1.965	0.041
100	C56_Biased	2.044	1.988	0.076
100	C57_Biased	1.972	1.889	0.083
100	C58_Biased	2.020	1.994	0.026
100	C59_Biased	2.012	1.908	0.104
100	C65_Biased	1.939	1.936	0.003
100	C67_Biased	2.024	1.948	0.076
100	A122_Unbiased	1.993	2.035	-0.042
100	A138_Unbiased	1.987	1.966	0.021
100	A139_Unbiased	1.930	1.953	-0.023
100	B60_Unbiased	2.070	2.091	-0.021
100	B61_Unbiased	2.023	1.995	0.028
100	B69_Unbiased	2.070	2.062	0.008
100	B70_Unbiased	2.023	1.952	0.071
100	B71_Unbiased	2.138	2.111	0.027
100	B72_Unbiased	2.064	2.020	0.044
100	B73_Unbiased	2.098	2.015	0.083
100	B74_Unbiased	2.132	2.048	0.084
100	B77_Unbiased	2.041	2.008	0.033
100	B78_Unbiased	2.055	1.992	0.063
100	B79_Unbiased	2.069	1.982	0.087
100	B80_Unbiased	2.076	1.993	0.083
100	C70_Unbiased	2.045	2.005	0.040
100	C71_Unbiased	2.057	1.992	0.075
100	C72_Unbiased	2.027	1.992	0.035
100	C73_Unbiased	2.083	2.007	0.076
100	C75_Unbiased	2.092	2.029	0.063
100	C76_Unbiased	2.009	1.968	0.041
100	C79_Unbiased	2.057	1.994	0.063
	Max	2.146	2.295	0.134
	Average	2.029	2.000	0.029
	Min	1.899	1.889	-0.254
	Std Dev	0.056	0.056	0.054

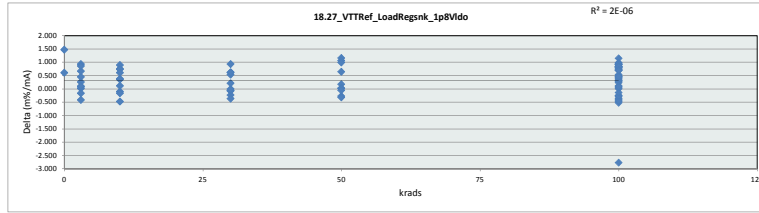


18.26_VTTRef_delta_1p8Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.966	1.938	1.917	1.933	1.941	1.889
Average	1.981	1.999	1.988	2.009	1.991	2.004
Max	1.995	2.047	2.055	2.094	2.044	2.295
UL	15.000	15.000	15.000	15.000	15.000	15.000

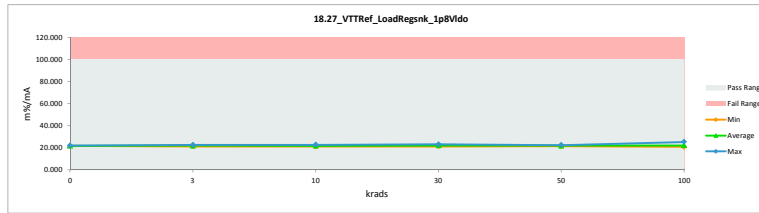


TID 100krad HDR Report
TPS7H3301-SP

18.27_VTTRef_LoadReqsnk_1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	22.606	22.010	0.596
3	A116_Biased	22.390	22.135	0.255
3	A117_Biased	21.658	21.644	0.014
3	B36_Biased	22.252	22.183	0.069
3	B37_Biased	21.731	22.149	-0.418
3	C39_Unbiased	22.995	22.553	0.442
3	A118_Unbiased	21.419	21.327	0.092
3	A140_Unbiased	22.606	21.685	0.921
3	B38_Unbiased	22.587	21.924	0.663
3	B39_Unbiased	22.106	22.273	-0.167
3	C40_Unbiased	23.468	22.617	0.851
10	A119_Biased	21.477	21.128	0.349
10	A120_Biased	21.325	21.437	-0.112
10	B40_Biased	22.844	22.102	0.742
10	C41_Biased	22.833	21.947	0.886
10	C42_Biased	22.184	21.808	0.376
10	A121_Unbiased	21.864	22.034	-0.170
10	A124_Unbiased	21.633	22.107	-0.474
10	B41_Unbiased	22.067	21.956	0.111
10	C43_Unbiased	23.445	22.715	0.730
10	C44_Unbiased	22.655	22.049	0.606
30	A125_Biased	21.427	21.571	-0.244
30	B42_Biased	23.034	23.123	-0.089
30	B43_Biased	21.297	21.371	-0.074
30	C45_Biased	22.318	21.711	0.607
30	C46_Biased	23.702	22.778	0.924
30	A127_Unbiased	20.943	21.816	-0.373
30	B45_Unbiased	22.722	22.738	-0.016
30	B47_Unbiased	22.476	22.271	0.205
30	C47_Unbiased	22.414	21.881	0.533
30	C50_Unbiased	23.356	22.743	0.613
50	A128_Biased	22.027	21.394	0.633
50	A129_Biased	22.678	22.504	0.174
50	B48_Biased	22.166	22.447	-0.281
50	B49_Biased	21.640	21.964	-0.324
50	C51_Biased	22.789	21.638	1.151
50	A130_Unbiased	22.178	22.152	0.026
50	A131_Unbiased	22.000	21.984	0.016
50	B50_Unbiased	21.889	21.944	-0.055
50	B51_Unbiased	22.967	21.907	1.060
50	C53_Unbiased	22.583	21.593	0.990
0	106_Corr	23.156	21.688	1.468
100	A132_Biased	21.885	21.772	0.113
100	A134_Biased	22.556	25.324	-2.768
100	A135_Biased	21.435	21.690	-0.255
100	B52_Biased	22.957	22.959	-0.002
100	B54_Biased	21.279	21.651	-0.372
100	B55_Biased	21.305	21.701	-0.396
100	B56_Biased	22.071	22.374	-0.303
100	B57_Biased	21.978	22.440	-0.462
100	B59_Biased	23.164	23.692	-0.528
100	B62_Biased	21.834	21.032	0.802
100	B63_Biased	22.664	21.861	0.803
100	B64_Biased	23.202	22.461	0.741
100	B66_Biased	22.868	22.144	0.724
100	B68_Biased	22.542	21.568	0.974
100	C54_Biased	22.749	22.219	0.530
100	C55_Biased	22.124	21.679	0.445
100	C56_Biased	22.742	21.907	0.835
100	C57_Biased	21.750	20.838	0.912
100	C58_Biased	22.290	22.007	0.283
100	C59_Biased	22.165	21.018	1.147
100	C65_Biased	21.408	21.377	0.031
100	C67_Biased	22.307	21.464	0.843
100	A122_Unbiased	21.940	22.400	-0.460
100	A138_Unbiased	21.893	21.661	0.232
100	A139_Unbiased	21.290	21.553	-0.263
100	B60_Unbiased	22.852	23.000	-0.148
100	B61_Unbiased	22.311	21.995	0.316
100	B69_Unbiased	22.852	22.771	0.081
100	B70_Unbiased	22.311	21.528	0.783
100	B71_Unbiased	23.610	23.318	0.292
100	B72_Unbiased	22.779	22.295	0.484
100	B73_Unbiased	23.183	22.278	0.905
100	B74_Unbiased	23.565	22.644	0.921
100	B77_Unbiased	22.529	22.168	0.361
100	B78_Unbiased	22.681	21.983	0.698
100	B79_Unbiased	22.846	21.889	0.957
100	B80_Unbiased	22.906	22.001	0.905
100	C70_Unbiased	22.621	22.185	0.436
100	C71_Unbiased	22.682	21.852	0.830
100	C72_Unbiased	22.365	21.974	0.391
100	C73_Unbiased	23.008	22.173	0.835
100	C75_Unbiased	23.069	22.378	0.691
100	C76_Unbiased	22.105	21.650	0.455
100	C79_Unbiased	22.653	21.975	0.678
	Max	23.702	25.324	1.468
	Average	22.387	22.063	0.323
	Min	20.943	20.838	-2.768
	Std Dev	0.626	0.625	0.587

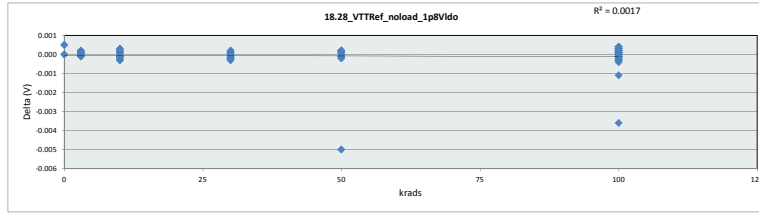


18.27_VTTRef_LoadReqsnk_1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	21.688	21.327	21.128	21.316	21.394	20.838
Average	21.849	22.049	21.928	22.160	21.953	22.110
Max	22.010	22.617	22.715	23.123	22.504	25.324
UL	100.000	100.000	100.000	100.000	100.000	100.000

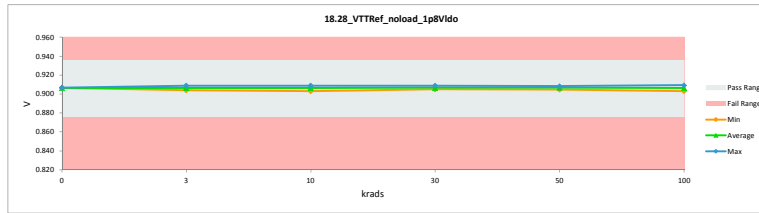


TID 100krad HDR Report
TPS7H3301-SP

18_28_VTTRef_noload_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.907	0.906	0.000
3	A116_Biased	0.907	0.907	0.000
3	A117_Biased	0.906	0.906	0.000
3	B36_Biased	0.906	0.906	0.000
3	B37_Biased	0.907	0.907	0.000
3	C39_Biased	0.906	0.906	0.000
3	A118_Unbiased	0.909	0.909	0.000
3	A140_Unbiased	0.907	0.907	0.000
3	B38_Unbiased	0.908	0.908	0.000
3	B39_Unbiased	0.904	0.904	0.000
3	C40_Unbiased	0.905	0.905	0.000
10	A119_Biased	0.908	0.908	0.000
10	A120_Biased	0.909	0.909	0.000
10	B40_Biased	0.905	0.906	0.000
10	C41_Biased	0.907	0.907	0.000
10	C42_Biased	0.909	0.909	0.000
10	A121_Unbiased	0.905	0.905	0.000
10	A124_Unbiased	0.903	0.903	0.000
10	B41_Unbiased	0.909	0.909	0.000
10	C43_Unbiased	0.905	0.905	0.000
10	C44_Unbiased	0.905	0.905	0.000
30	A125_Biased	0.907	0.907	0.000
30	B42_Biased	0.905	0.906	0.000
30	B43_Biased	0.907	0.907	0.000
30	C45_Biased	0.909	0.908	0.000
30	C46_Biased	0.905	0.905	0.000
30	A127_Unbiased	0.907	0.907	0.000
30	B45_Unbiased	0.905	0.905	0.000
30	B47_Unbiased	0.909	0.909	0.000
30	C47_Unbiased	0.906	0.906	0.000
30	C50_Unbiased	0.906	0.906	0.000
50	A128_Biased	0.908	0.907	0.000
50	A129_Biased	0.908	0.908	0.000
50	B48_Biased	0.905	0.905	0.000
50	B49_Biased	0.907	0.907	0.000
50	C51_Biased	0.908	0.908	0.000
50	A130_Unbiased	0.905	0.905	0.000
50	A131_Unbiased	0.906	0.906	0.000
50	B50_Unbiased	0.906	0.906	0.000
50	B51_Unbiased	0.903	-0.005	0.000
50	C53_Unbiased	0.906	0.906	0.000
0	106_Corr	0.907	0.907	0.000
100	A132_Biased	0.906	0.907	0.000
100	A134_Biased	0.905	0.906	-0.001
100	A135_Biased	0.906	0.906	0.000
100	B52_Biased	0.903	0.903	0.000
100	B54_Biased	0.906	0.906	0.000
100	B55_Biased	0.907	0.907	0.000
100	B56_Biased	0.908	0.908	0.000
100	B57_Biased	0.908	0.908	0.000
100	B59_Biased	0.905	0.905	0.000
100	B62_Biased	0.907	0.907	0.000
100	B63_Biased	0.907	0.907	0.000
100	B64_Biased	0.909	0.909	0.000
100	B66_Biased	0.907	0.906	0.000
100	B68_Biased	0.907	0.907	0.000
100	C54_Biased	0.906	0.905	0.000
100	C55_Biased	0.906	0.906	0.000
100	C56_Biased	0.908	0.908	0.000
100	C57_Biased	0.907	0.907	0.000
100	C58_Biased	0.906	0.906	0.000
100	C59_Biased	0.908	0.908	0.000
100	C65_Biased	0.906	0.906	0.000
100	C67_Biased	0.907	0.907	0.000
100	A122_Unbiased	0.908	0.909	0.000
100	A138_Unbiased	0.907	0.908	0.000
100	A139_Unbiased	0.906	0.906	0.000
100	B60_Unbiased	0.906	0.909	-0.004
100	B61_Unbiased	0.907	0.907	0.000
100	B69_Unbiased	0.906	0.905	0.000
100	B70_Unbiased	0.907	0.907	0.000
100	B71_Unbiased	0.905	0.905	0.000
100	B72_Unbiased	0.906	0.906	0.000
100	B73_Unbiased	0.905	0.905	0.000
100	B74_Unbiased	0.905	0.905	0.000
100	B77_Unbiased	0.906	0.906	0.000
100	B78_Unbiased	0.906	0.906	0.000
100	B79_Unbiased	0.906	0.906	0.000
100	B80_Unbiased	0.906	0.906	0.000
100	C70_Unbiased	0.904	0.904	0.000
100	C71_Unbiased	0.907	0.907	0.000
100	C72_Unbiased	0.906	0.906	0.000
100	C73_Unbiased	0.905	0.905	0.000
100	C75_Unbiased	0.907	0.907	0.000
100	C76_Unbiased	0.909	0.909	0.000
100	C78_Unbiased	0.908	0.908	0.000
	Max	0.909	0.909	0.000
	Average	0.906	0.907	0.000
	Min	0.903	0.903	-0.005
	Std Dev	0.001	0.001	0.001

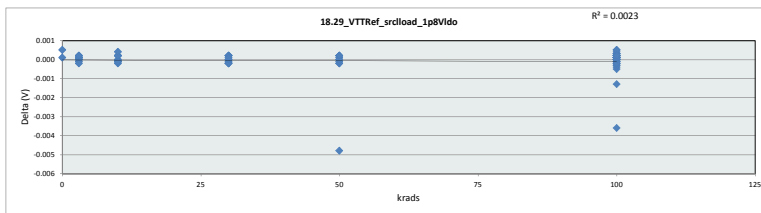


18_28_VTTRef_noload_1p8VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.906	0.904	0.903	0.905	0.905	0.903
Average	0.907	0.906	0.907	0.907	0.907	0.906
Max	0.907	0.909	0.909	0.909	0.908	0.909
UL	0.935	0.935	0.935	0.935	0.935	0.935

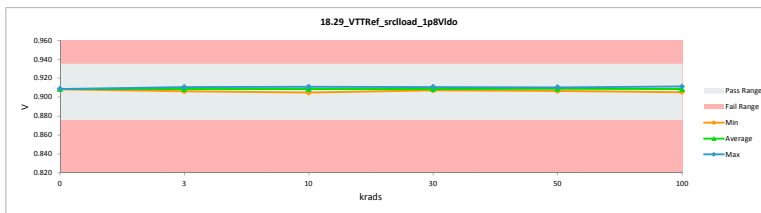


TID 100krad HDR Report
TPS7H3301-SP

18.29_VTTRef_srcload_ip8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V			
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.909	0.908	0.001
3	A116_Biased	0.909	0.909	0.000
3	A117_Biased	0.908	0.908	0.000
3	B36_Biased	0.908	0.908	0.000
3	B37_Biased	0.909	0.909	0.000
3	C39_Biased	0.908	0.908	0.000
3	A118_Unbiased	0.911	0.911	0.000
3	A140_Unbiased	0.909	0.909	0.000
3	B38_Unbiased	0.910	0.910	0.000
3	B39_Unbiased	0.906	0.906	0.000
3	C40_Unbiased	0.907	0.907	0.000
10	A119_Biased	0.910	0.910	0.000
10	A120_Biased	0.911	0.911	0.000
10	B40_Biased	0.908	0.908	0.000
10	C41_Biased	0.909	0.909	0.000
10	C42_Biased	0.911	0.911	0.000
10	A121_Unbiased	0.907	0.907	0.000
10	A124_Unbiased	0.905	0.905	0.000
10	B41_Unbiased	0.910	0.911	0.000
10	C43_Unbiased	0.907	0.907	0.000
10	C44_Unbiased	0.908	0.907	0.000
30	A125_Biased	0.909	0.909	0.000
30	B42_Biased	0.908	0.908	0.000
30	B43_Biased	0.909	0.909	0.000
30	C45_Biased	0.911	0.910	0.000
30	C46_Biased	0.907	0.907	0.000
30	A127_Unbiased	0.909	0.909	0.000
30	B45_Unbiased	0.907	0.907	0.000
30	B47_Unbiased	0.911	0.911	0.000
30	C47_Unbiased	0.908	0.908	0.000
30	C50_Unbiased	0.908	0.908	0.000
50	A128_Biased	0.910	0.909	0.000
50	A129_Biased	0.910	0.910	0.000
50	B48_Biased	0.907	0.908	0.000
50	B49_Biased	0.909	0.909	0.000
50	C51_Biased	0.910	0.910	0.000
50	A130_Unbiased	0.906	0.907	0.000
50	A131_Unbiased	0.908	0.908	0.000
50	B50_Unbiased	0.908	0.908	0.000
50	B51_Unbiased	0.905	0.910	-0.005
50	C53_Unbiased	0.908	0.908	0.000
0	106_Corr	0.909	0.909	0.000
100	A132_Biased	0.908	0.909	-0.001
100	A134_Biased	0.907	0.908	-0.001
100	A135_Biased	0.908	0.908	0.000
100	B52_Biased	0.905	0.905	0.000
100	B54_Biased	0.908	0.908	0.000
100	B55_Biased	0.909	0.909	0.000
100	B56_Biased	0.910	0.910	0.000
100	B57_Biased	0.910	0.910	0.000
100	B59_Biased	0.907	0.907	0.000
100	B62_Biased	0.909	0.909	0.000
100	B63_Biased	0.909	0.909	0.000
100	B64_Biased	0.911	0.911	0.000
100	B66_Biased	0.909	0.908	0.000
100	B68_Biased	0.909	0.909	0.000
100	C54_Biased	0.908	0.907	0.000
100	C55_Biased	0.909	0.909	0.000
100	C56_Biased	0.910	0.910	0.000
100	C57_Biased	0.909	0.909	0.000
100	C58_Biased	0.908	0.908	0.000
100	C59_Biased	0.910	0.910	0.000
100	C65_Biased	0.908	0.908	0.000
100	C67_Biased	0.910	0.909	0.000
100	A122_Unbiased	0.910	0.910	0.000
100	A138_Unbiased	0.909	0.910	0.000
100	A139_Unbiased	0.908	0.908	0.000
100	B60_Unbiased	0.908	0.911	-0.004
100	B61_Unbiased	0.909	0.909	0.000
100	B69_Unbiased	0.908	0.908	0.000
100	B70_Unbiased	0.909	0.909	0.000
100	B71_Unbiased	0.908	0.907	0.000
100	B72_Unbiased	0.908	0.908	0.000
100	B73_Unbiased	0.907	0.907	0.000
100	B74_Unbiased	0.907	0.906	0.000
100	B77_Unbiased	0.908	0.908	0.000
100	B78_Unbiased	0.908	0.908	0.000
100	B79_Unbiased	0.908	0.908	0.000
100	B80_Unbiased	0.908	0.908	0.001
100	C70_Unbiased	0.906	0.906	0.000
100	C71_Unbiased	0.909	0.909	0.000
100	C72_Unbiased	0.909	0.909	0.000
100	C73_Unbiased	0.907	0.907	0.000
100	C75_Unbiased	0.909	0.909	0.000
100	C76_Unbiased	0.911	0.911	0.000
100	C79_Unbiased	0.910	0.909	0.000
	Max	0.911	0.911	0.001
	Average	0.908	0.909	0.000
	Min	0.905	0.905	-0.005
	Std Dev	0.001	0.001	0.001

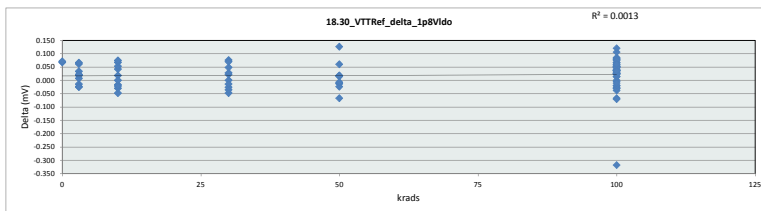


18.29_VTTRef_srcload_ip8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.908	0.906	0.905	0.907	0.907	0.905
Average	0.909	0.908	0.908	0.909	0.909	0.908
Max	0.909	0.911	0.911	0.911	0.910	0.911
UL	0.935	0.935	0.935	0.935	0.935	0.935

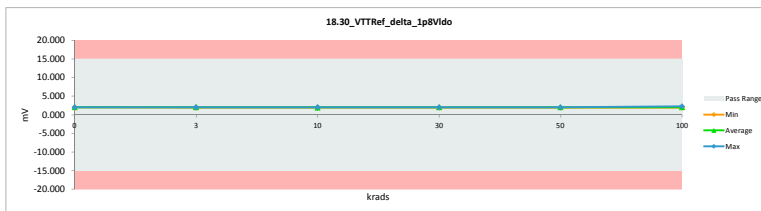


TID 100krad HDR Report
TPS7H3301-SP

18_30_VTTRef_delta_1p8Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.053	1.985	0.068
3	A116_Biased	2.068	2.034	0.034
3	A117_Biased	1.962	1.944	0.018
3	B36_Biased	2.015	2.007	0.008
3	B37_Biased	2.017	2.031	-0.014
3	C39_Biased	2.092	2.030	0.062
3	A118_Unbiased	1.914	1.938	-0.024
3	A140_Unbiased	2.053	2.032	0.021
3	B38_Unbiased	2.052	2.030	0.022
3	B39_Unbiased	1.950	1.975	-0.025
3	C40_Unbiased	2.065	1.998	0.067
10	A119_Biased	1.939	1.986	-0.047
10	A120_Biased	1.941	1.957	-0.016
10	B40_Biased	2.032	1.990	0.042
10	C41_Biased	2.094	2.041	0.053
10	C42_Biased	1.989	1.971	0.018
10	A121_Unbiased	1.907	1.936	-0.029
10	A124_Unbiased	2.035	2.056	-0.021
10	B41_Unbiased	2.008	2.007	0.001
10	C43_Unbiased	2.043	1.975	0.068
10	C44_Unbiased	2.012	1.937	0.075
30	A125_Biased	1.988	1.988	0.000
30	B42_Biased	2.047	2.025	0.022
30	B43_Biased	1.940	1.987	-0.047
30	C45_Biased	2.010	1.982	0.028
30	C46_Biased	2.069	1.993	0.076
30	A127_Unbiased	1.937	1.973	-0.036
30	B45_Unbiased	1.975	2.001	-0.026
30	B47_Unbiased	2.006	2.020	-0.014
30	C47_Unbiased	2.031	1.983	0.048
30	C50_Unbiased	2.080	2.010	0.070
50	A128_Biased	1.991	2.004	-0.013
50	A129_Biased	2.059	2.069	-0.010
50	B48_Biased	1.950	1.973	-0.023
50	B49_Biased	1.987	2.054	-0.067
50	C51_Biased	2.033	2.016	0.017
50	A130_Unbiased	1.973	1.958	0.015
50	A131_Unbiased	2.005	1.987	0.018
50	B50_Unbiased	1.988	1.995	-0.007
50	B51_Unbiased	2.122	1.995	0.127
50	C53_Unbiased	2.026	1.966	0.060
0	106_Corr	2.101	2.030	0.071
100	A132_Biased	1.984	2.051	-0.067
100	A134_Biased	1.969	2.287	-0.318
100	A135_Biased	1.947	1.957	-0.020
100	B52_Biased	2.139	2.113	0.026
100	B54_Biased	1.970	1.939	0.031
100	B55_Biased	1.970	1.996	-0.026
100	B56_Biased	2.047	2.033	0.014
100	B57_Biased	1.988	2.058	-0.070
100	B59_Biased	2.034	2.072	-0.038
100	B62_Biased	2.011	1.972	0.039
100	B63_Biased	2.084	2.032	0.052
100	B64_Biased	2.081	2.044	0.037
100	B66_Biased	2.075	2.015	0.060
100	B68_Biased	2.053	2.003	0.050
100	C54_Biased	2.039	1.962	0.077
100	C55_Biased	2.006	1.979	0.027
100	C56_Biased	2.041	2.037	0.024
100	C57_Biased	2.008	1.953	0.055
100	C58_Biased	2.030	1.991	0.039
100	C59_Biased	2.025	1.983	0.042
100	C65_Biased	1.998	1.912	0.086
100	C67_Biased	2.051	2.014	0.037
100	A122_Unbiased	1.998	2.028	-0.030
100	A138_Unbiased	1.997	2.028	-0.031
100	A139_Unbiased	1.943	1.962	-0.019
100	B60_Unbiased	2.070	2.069	0.001
100	B61_Unbiased	2.048	2.052	-0.004
100	B69_Unbiased	2.070	1.990	0.080
100	B70_Unbiased	2.048	2.011	0.037
100	B71_Unbiased	2.096	2.046	0.050
100	B72_Unbiased	2.085	1.979	0.106
100	B73_Unbiased	2.013	1.961	0.052
100	B74_Unbiased	2.052	2.002	0.050
100	B77_Unbiased	2.056	1.988	0.068
100	B78_Unbiased	2.041	1.995	0.046
100	B79_Unbiased	2.052	1.970	0.082
100	B80_Unbiased	2.072	1.952	0.120
100	C70_Unbiased	1.996	1.981	0.015
100	C71_Unbiased	2.084	2.009	0.075
100	C72_Unbiased	2.037	2.012	0.025
100	C73_Unbiased	2.023	1.962	0.061
100	C75_Unbiased	2.121	2.098	0.023
100	C76_Unbiased	1.992	1.957	0.035
100	C79_Unbiased	2.051	2.061	-0.010
	Max	2.139	2.287	0.127
	Average	2.024	2.005	0.020
	Min	1.907	1.912	-0.318
	Std Dev	0.050	0.050	0.057

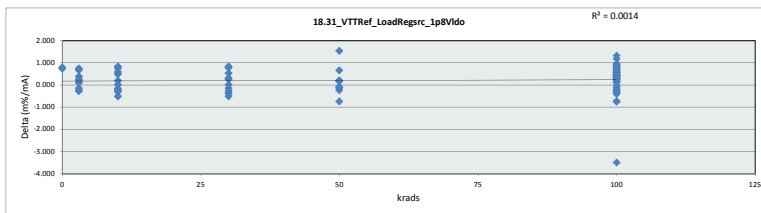


18_30_VTTRef_delta_1p8Vido					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	15	mV			
Min Limit	-15	mV			
krads	LL	Min	Average	Max	UL
0	-15.000	1.985	2.008	2.030	15.000
3	-15.000	1.936	2.002	2.034	15.000
10	-15.000	1.936	1.986	2.056	15.000
30	-15.000	1.973	1.996	2.025	15.000
50	-15.000	1.958	2.002	2.069	15.000
100	-15.000	1.912	2.012	2.287	15.000

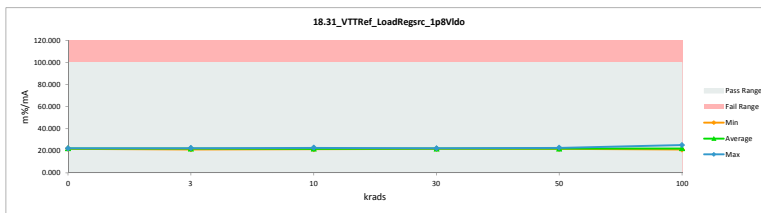


TID 100krad HDR Report
TPS7H3301-SP

18_31_VTTRef_LoadRegrsc_1p8V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	22.643	21.904	0.739
3	A116_Biased	22.802	22.429	0.373
3	A117_Biased	21.656	21.452	0.204
3	B36_Biased	22.231	22.143	0.088
3	B37_Biased	22.239	22.399	-0.160
3	C39_Biased	23.081	22.407	0.674
3	A118_Unbiased	21.065	21.332	-0.267
3	A140_Unbiased	22.643	22.416	0.227
3	B38_Unbiased	22.609	22.374	0.235
3	B39_Unbiased	21.571	21.844	-0.273
3	C40_Unbiased	22.811	22.072	0.739
10	A119_Biased	21.362	21.881	-0.519
10	A120_Biased	21.075	21.384	-0.309
10	B40_Biased	22.446	21.973	0.473
10	C41_Biased	23.078	22.503	0.575
10	C42_Biased	21.876	21.689	0.187
10	A121_Unbiased	22.542	22.777	-0.235
10	B41_Unbiased	22.101	22.095	0.006
10	C43_Unbiased	22.576	21.829	0.747
10	C44_Unbiased	22.221	21.394	0.827
30	A125_Biased	21.922	21.918	0.004
30	B42_Biased	22.612	22.359	0.253
30	B43_Biased	21.386	21.903	-0.517
30	C45_Biased	22.122	21.819	0.303
30	C46_Biased	22.849	22.019	0.830
30	A127_Unbiased	21.363	21.750	-0.387
30	B45_Unbiased	21.828	22.111	-0.283
30	B47_Unbiased	22.074	22.233	-0.159
30	C47_Unbiased	22.407	21.885	0.522
30	C50_Unbiased	22.968	22.194	0.774
50	A128_Biased	21.940	22.081	-0.141
50	A129_Biased	22.670	22.781	-0.111
50	B48_Biased	21.542	21.787	-0.245
50	B49_Biased	21.902	22.645	-0.743
50	C51_Biased	22.392	22.204	0.188
50	A130_Unbiased	21.814	21.649	0.165
50	A131_Unbiased	22.120	21.925	0.195
50	B50_Unbiased	21.932	22.010	-0.078
50	B51_Unbiased	23.492	21.964	1.528
50	C53_Unbiased	22.348	21.693	0.655
0	106_Corr	23.170	22.387	0.783
100	A132_Biased	21.887	22.621	-0.734
100	A134_Biased	21.754	25.246	-3.492
100	A135_Biased	21.480	21.702	-0.222
100	B52_Biased	23.678	23.395	0.283
100	B54_Biased	21.752	21.409	0.343
100	B55_Biased	21.728	22.008	-0.280
100	B56_Biased	22.547	22.388	0.159
100	B57_Biased	21.892	22.652	-0.760
100	B59_Biased	22.483	22.893	-0.410
100	B62_Biased	22.173	21.734	0.439
100	B63_Biased	22.982	22.412	0.570
100	B64_Biased	22.999	22.494	0.405
100	B66_Biased	22.889	22.230	0.659
100	B68_Biased	22.645	22.090	0.555
100	C54_Biased	22.521	21.675	0.846
100	C55_Biased	22.132	21.826	0.306
100	C56_Biased	22.708	22.438	0.270
100	C57_Biased	22.143	21.534	0.609
100	C58_Biased	22.403	21.967	0.436
100	C59_Biased	22.310	21.845	0.465
100	C65_Biased	22.065	21.112	0.953
100	C67_Biased	22.597	22.192	0.405
100	A122_Unbiased	21.994	22.317	-0.323
100	A138_Unbiased	22.004	22.346	-0.342
100	A139_Unbiased	21.437	21.652	-0.215
100	B60_Unbiased	22.854	22.750	0.104
100	B61_Unbiased	22.583	22.620	-0.037
100	B69_Unbiased	22.854	21.983	0.871
100	B70_Unbiased	22.583	22.184	0.399
100	B71_Unbiased	23.151	22.596	0.555
100	B72_Unbiased	23.016	21.841	1.175
100	B73_Unbiased	22.239	21.680	0.559
100	B74_Unbiased	22.677	22.131	0.546
100	B77_Unbiased	22.694	21.947	0.747
100	B78_Unbiased	22.744	22.011	0.733
100	B79_Unbiased	22.661	21.748	0.913
100	B80_Unbiased	22.864	21.554	1.310
100	C70_Unbiased	22.079	21.921	0.158
100	C71_Unbiased	22.476	22.147	0.327
100	C72_Unbiased	22.476	22.192	0.284
100	C73_Unbiased	22.347	21.680	0.667
100	C75_Unbiased	23.387	23.133	0.254
100	C76_Unbiased	21.912	21.529	0.383
100	C79_Unbiased	22.595	22.129	0.466
	Max	23.678	25.246	1.528
	Average	22.333	22.113	0.220
	Min	21.065	21.112	-3.492
	Std Dev	0.555	0.545	0.624

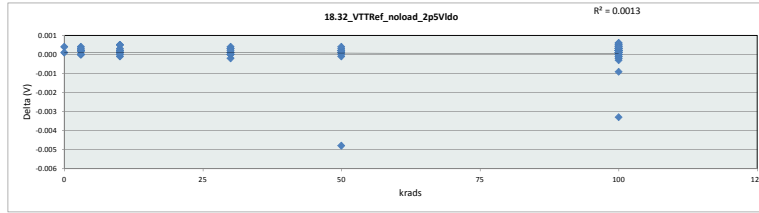


18_31_VTTRef_LoadRegrsc_1p8V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	21.904	21.332	21.384	21.750	21.649	21.112
Average	22.146	22.087	21.905	22.019	22.074	22.194
Max	22.387	22.429	22.777	22.359	22.781	25.246
UL	100.000	100.000	100.000	100.000	100.000	100.000

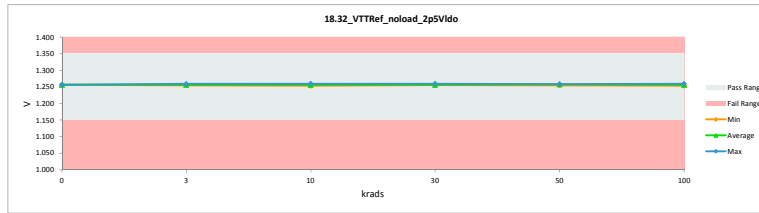


TID 100krad HDR Report
TPS7H3301-SP

18_32_VTTRef_noload_2p5VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.257	1.257	0.000
3	A116_Biased	1.258	1.257	0.000
3	A117_Biased	1.257	1.256	0.000
3	B36_Biased	1.257	1.257	0.000
3	B37_Biased	1.257	1.257	0.000
3	C39_Biased	1.257	1.256	0.000
3	A118_Unbiased	1.259	1.259	0.000
3	A140_Unbiased	1.257	1.257	0.000
3	B38_Unbiased	1.258	1.258	0.000
3	B39_Unbiased	1.255	1.255	0.000
3	C40_Unbiased	1.256	1.255	0.000
10	A119_Biased	1.258	1.258	0.000
10	A120_Biased	1.259	1.259	0.000
10	B40_Biased	1.256	1.256	0.000
10	C41_Biased	1.258	1.257	0.000
10	C42_Biased	1.260	1.259	0.000
10	A121_Unbiased	1.255	1.255	0.000
10	A124_Unbiased	1.253	1.253	0.000
10	B41_Unbiased	1.259	1.259	0.000
10	C43_Unbiased	1.256	1.255	0.000
10	C44_Unbiased	1.256	1.255	0.001
30	A125_Biased	1.257	1.257	0.000
30	B42_Biased	1.256	1.256	0.000
30	B43_Biased	1.257	1.257	0.000
30	C45_Biased	1.259	1.259	0.000
30	C46_Biased	1.256	1.255	0.000
30	A127_Unbiased	1.257	1.257	0.000
30	B45_Unbiased	1.255	1.255	0.000
30	B47_Unbiased	1.259	1.259	0.000
30	C47_Unbiased	1.257	1.257	0.000
30	C50_Unbiased	1.256	1.256	0.000
50	A128_Biased	1.258	1.258	0.000
50	A129_Biased	1.259	1.259	0.000
50	B48_Biased	1.256	1.256	0.000
50	B49_Biased	1.257	1.257	0.000
50	C51_Biased	1.258	1.258	0.000
50	A130_Unbiased	1.255	1.255	0.000
50	A131_Unbiased	1.257	1.257	0.000
50	B50_Unbiased	1.257	1.257	0.000
50	B51_Unbiased	1.254	1.259	-0.005
50	C53_Biased	1.257	1.257	0.000
0	106_Corr	1.257	1.257	0.000
100	A132_Biased	1.257	1.257	0.000
100	A134_Biased	1.255	1.256	-0.001
100	A135_Biased	1.257	1.257	0.000
100	B52_Biased	1.254	1.254	0.000
100	B54_Biased	1.256	1.256	0.000
100	B55_Biased	1.257	1.257	0.000
100	B56_Biased	1.258	1.258	0.000
100	B57_Biased	1.259	1.259	0.000
100	B59_Biased	1.255	1.255	0.000
100	B62_Biased	1.258	1.258	0.000
100	B63_Biased	1.257	1.257	0.000
100	B64_Biased	1.259	1.259	0.000
100	B66_Biased	1.257	1.257	0.000
100	B68_Biased	1.257	1.257	0.000
100	C54_Biased	1.256	1.255	0.001
100	C55_Biased	1.257	1.257	0.000
100	C56_Biased	1.258	1.258	0.000
100	C57_Biased	1.257	1.257	0.000
100	C58_Biased	1.257	1.257	0.000
100	C59_Biased	1.258	1.258	0.000
100	C65_Biased	1.256	1.256	0.000
100	C67_Biased	1.258	1.258	0.000
100	A122_Unbiased	1.259	1.259	0.000
100	A138_Unbiased	1.258	1.258	0.000
100	A139_Unbiased	1.257	1.257	0.000
100	B60_Unbiased	1.256	1.260	-0.003
100	B61_Unbiased	1.257	1.257	0.000
100	B69_Unbiased	1.256	1.256	0.000
100	B70_Unbiased	1.257	1.257	0.000
100	B71_Unbiased	1.256	1.256	0.000
100	B72_Unbiased	1.257	1.256	0.000
100	B73_Unbiased	1.255	1.255	0.000
100	B74_Unbiased	1.255	1.255	0.000
100	B77_Unbiased	1.257	1.256	0.000
100	B78_Unbiased	1.257	1.256	0.000
100	B79_Unbiased	1.256	1.256	0.000
100	B80_Unbiased	1.257	1.256	0.001
100	C70_Unbiased	1.255	1.254	0.000
100	C71_Unbiased	1.257	1.257	0.000
100	C72_Unbiased	1.257	1.257	0.000
100	C73_Unbiased	1.256	1.255	0.000
100	C75_Unbiased	1.257	1.257	0.000
100	C76_Unbiased	1.259	1.259	0.000
100	C79_Unbiased	1.258	1.258	0.000
Max		1.260	1.260	0.001
Average		1.257	1.257	0.000
Min		1.253	1.253	-0.005
Std Dev		0.001	0.001	0.001

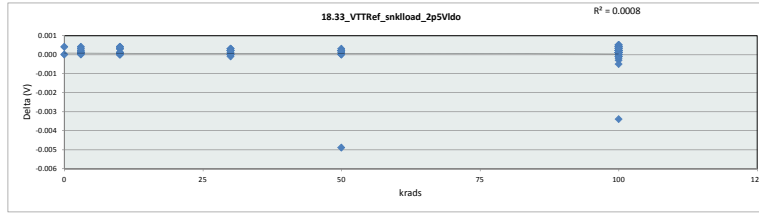


18_32_VTTRef_noload_2p5VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.257	1.255	1.253	1.255	1.255	1.254
Average	1.257	1.257	1.257	1.257	1.257	1.257
Max	1.257	1.259	1.259	1.259	1.259	1.260
UL	1.350	1.350	1.350	1.350	1.350	1.350

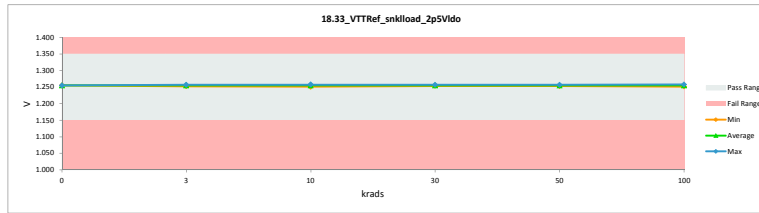


TID 100krad HDR Report
TPS7H3301-SP

18.33_VTTRef_snkload_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.255	1.255	0.000
3	A116_Biased	1.255	1.255	0.000
3	A117_Biased	1.255	1.255	0.000
3	B36_Biased	1.255	1.255	0.000
3	B37_Biased	1.255	1.255	0.000
3	C39_Biased	1.255	1.254	0.000
3	A118_Unbiased	1.257	1.257	0.000
3	A140_Unbiased	1.255	1.255	0.000
3	B38_Unbiased	1.256	1.256	0.000
3	B39_Unbiased	1.253	1.253	0.000
3	C40_Unbiased	1.254	1.253	0.000
10	A119_Biased	1.256	1.256	0.000
10	A120_Biased	1.257	1.257	0.000
10	B40_Biased	1.254	1.254	0.000
10	C41_Biased	1.256	1.255	0.000
10	C42_Biased	1.258	1.257	0.000
10	A121_Unbiased	1.254	1.254	0.000
10	A124_Unbiased	1.251	1.251	0.000
10	B41_Unbiased	1.257	1.257	0.000
10	C43_Unbiased	1.253	1.253	0.000
10	C44_Unbiased	1.254	1.254	0.000
30	A125_Biased	1.255	1.255	0.000
30	B42_Biased	1.254	1.254	0.000
30	B43_Biased	1.255	1.255	0.000
30	C45_Biased	1.257	1.257	0.000
30	C46_Biased	1.254	1.253	0.000
30	A127_Unbiased	1.255	1.255	0.000
30	B45_Unbiased	1.253	1.253	0.000
30	B47_Unbiased	1.257	1.257	0.000
30	C47_Unbiased	1.255	1.255	0.000
30	C50_Unbiased	1.254	1.254	0.000
50	A128_Biased	1.256	1.256	0.000
50	A129_Biased	1.257	1.257	0.000
50	B48_Biased	1.254	1.254	0.000
50	B49_Biased	1.255	1.255	0.000
50	C51_Biased	1.257	1.256	0.000
50	A130_Unbiased	1.253	1.253	0.000
50	A131_Unbiased	1.255	1.255	0.000
50	B50_Unbiased	1.255	1.255	0.000
50	B51_Unbiased	1.257	-0.005	0.000
50	C53_Unbiased	1.255	1.255	0.000
0	106_Corr	1.255	1.255	0.000
100	A132_Biased	1.255	1.255	0.000
100	A134_Biased	1.254	1.254	0.000
100	A135_Biased	1.255	1.255	0.000
100	B52_Biased	1.252	1.252	0.000
100	B54_Biased	1.254	1.254	0.000
100	B55_Biased	1.255	1.255	0.000
100	B56_Biased	1.256	1.256	0.000
100	B57_Biased	1.257	1.257	0.000
100	B59_Biased	1.253	1.253	0.000
100	B62_Biased	1.256	1.256	0.000
100	B63_Biased	1.255	1.255	0.000
100	B64_Biased	1.257	1.257	0.000
100	B66_Biased	1.255	1.255	0.000
100	B68_Biased	1.255	1.255	0.000
100	C54_Biased	1.254	1.253	0.000
100	C55_Biased	1.255	1.255	0.000
100	C56_Biased	1.256	1.256	0.000
100	C57_Biased	1.255	1.255	0.000
100	C58_Biased	1.255	1.255	0.000
100	C59_Biased	1.256	1.256	0.000
100	C65_Biased	1.254	1.254	0.000
100	C67_Biased	1.256	1.256	0.000
100	A122_Unbiased	1.257	1.257	0.000
100	A138_Unbiased	1.256	1.256	0.000
100	A139_Unbiased	1.255	1.255	0.000
100	B60_Unbiased	1.254	1.258	-0.003
100	B61_Unbiased	1.255	1.255	0.000
100	B69_Unbiased	1.254	1.254	0.000
100	B70_Unbiased	1.255	1.255	0.000
100	B71_Unbiased	1.254	1.254	0.000
100	B72_Unbiased	1.255	1.254	0.000
100	B73_Unbiased	1.253	1.253	0.000
100	B74_Unbiased	1.253	1.253	0.000
100	B77_Unbiased	1.255	1.254	0.000
100	B78_Unbiased	1.255	1.254	0.000
100	B79_Unbiased	1.254	1.254	0.000
100	B80_Unbiased	1.255	1.254	0.001
100	C70_Unbiased	1.253	1.252	0.000
100	C71_Unbiased	1.255	1.255	0.000
100	C72_Unbiased	1.255	1.255	0.000
100	C73_Unbiased	1.254	1.253	0.000
100	C75_Unbiased	1.255	1.255	0.000
100	C76_Unbiased	1.257	1.257	0.000
100	C79_Unbiased	1.256	1.256	0.000
	Max	1.258	1.258	0.001
	Average	1.255	1.255	0.000
	Min	1.251	1.251	-0.005
	Std Dev	0.001	0.001	0.001

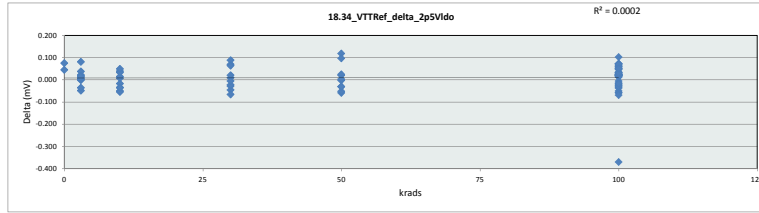


18.33_VTTRef_snkload_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.255	1.253	1.251	1.253	1.253	1.252
Average	1.255	1.255	1.255	1.255	1.255	1.255
Max	1.255	1.257	1.257	1.257	1.257	1.258
UL	1.350	1.350	1.350	1.350	1.350	1.350

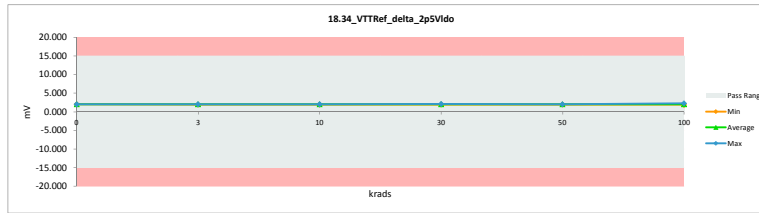


TID 100krad HDR Report
TPS7H3301-SP

18_34_VTTRef_delta_2p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.051	2.006	0.045
3	A116_Biased	2.052	2.053	-0.001
3	A117_Biased	1.964	1.942	0.022
3	B36_Biased	2.025	2.023	0.002
3	B37_Biased	2.013	2.061	-0.048
3	C39_Biased	2.094	2.056	0.038
3	A118_Unbiased	1.930	1.923	0.007
3	A140_Unbiased	2.051	2.034	0.017
3	B38_Unbiased	2.032	2.018	0.014
3	B39_Unbiased	1.930	1.966	-0.036
3	C40_Unbiased	2.068	1.987	0.081
10	A119_Biased	1.930	1.964	-0.034
10	A120_Biased	1.977	1.977	-0.050
10	B40_Biased	2.034	2.051	-0.017
10	C41_Biased	2.069	2.030	0.039
10	C42_Biased	2.004	1.997	0.007
10	A121_Unbiased	1.904	1.959	-0.055
10	A124_Unbiased	1.950	1.986	-0.036
10	B41_Unbiased	2.013	1.998	0.015
10	C43_Unbiased	2.048	2.015	0.033
10	C44_Unbiased	2.011	1.962	0.049
30	A125_Biased	1.979	2.024	-0.045
30	B42_Biased	2.052	2.081	-0.029
30	B43_Biased	1.962	1.953	0.009
30	C45_Biased	2.020	1.951	0.069
30	C46_Biased	2.074	1.986	0.088
30	A127_Unbiased	1.919	1.985	-0.066
30	B45_Unbiased	1.974	1.996	-0.022
30	B47_Unbiased	2.023	2.029	-0.006
30	C47_Unbiased	2.031	1.967	0.064
30	C50_Unbiased	2.089	2.069	0.020
50	A128_Biased	1.968	1.970	-0.002
50	A129_Biased	2.055	2.035	0.020
50	B48_Biased	1.967	2.025	-0.058
50	B49_Biased	1.964	2.036	-0.052
50	C51_Biased	2.036	2.011	0.025
50	A130_Unbiased	1.966	1.998	-0.032
50	A131_Unbiased	1.996	1.993	0.003
50	B50_Unbiased	1.990	2.020	-0.030
50	B51_Unbiased	2.071	1.952	0.119
50	C53_Unbiased	2.029	1.932	0.097
0	106_Corr	2.106	2.031	0.075
100	A132_Biased	1.985	2.042	-0.057
100	A134_Biased	1.948	2.318	-0.370
100	A135_Biased	1.942	1.992	-0.050
100	B52_Biased	2.081	2.087	-0.006
100	B54_Biased	1.971	2.004	-0.033
100	B55_Biased	1.955	2.014	-0.059
100	B56_Biased	2.017	2.039	-0.022
100	B57_Biased	1.963	2.032	-0.069
100	B59_Biased	2.055	2.092	-0.037
100	B62_Biased	1.969	1.897	0.072
100	B63_Biased	2.082	2.050	0.032
100	B64_Biased	2.084	2.038	0.046
100	B66_Biased	2.070	2.035	0.035
100	B68_Biased	2.047	2.027	0.020
100	C54_Biased	2.066	1.964	0.102
100	C55_Biased	2.007	1.983	0.024
100	C56_Biased	2.044	2.022	0.022
100	C57_Biased	2.011	1.962	0.049
100	C58_Biased	2.035	1.963	0.072
100	C59_Biased	1.986	1.968	0.018
100	C65_Biased	2.013	1.999	0.014
100	C67_Biased	2.056	1.983	0.073
100	A122_Unbiased	1.998	2.012	-0.014
100	A138_Unbiased	1.984	2.008	-0.024
100	A139_Unbiased	1.928	1.957	-0.029
100	B60_Unbiased	2.076	2.050	0.026
100	B61_Unbiased	2.069	2.047	0.022
100	B69_Unbiased	2.076	2.044	0.032
100	B70_Unbiased	2.069	2.018	0.051
100	B71_Unbiased	2.115	2.093	0.022
100	B72_Unbiased	2.073	2.047	0.026
100	B73_Unbiased	2.014	1.996	0.018
100	B74_Unbiased	2.058	2.045	0.013
100	B77_Unbiased	2.039	2.056	-0.017
100	B78_Unbiased	2.055	1.993	0.062
100	B79_Unbiased	2.088	2.032	0.056
100	B80_Unbiased	2.079	2.017	0.062
100	C70_Unbiased	1.974	1.953	0.021
100	C71_Unbiased	2.087	2.026	0.061
100	C72_Unbiased	2.034	2.013	0.021
100	C73_Unbiased	2.010	1.941	0.069
100	C75_Unbiased	2.110	2.086	0.024
100	C76_Unbiased	1.994	1.964	0.030
100	C79_Unbiased	2.051	2.051	0.000
	Max	2.115	2.318	0.119
	Average	2.020	2.011	0.009
	Min	1.904	1.897	-0.370
	Std Dev	0.052	0.053	0.060

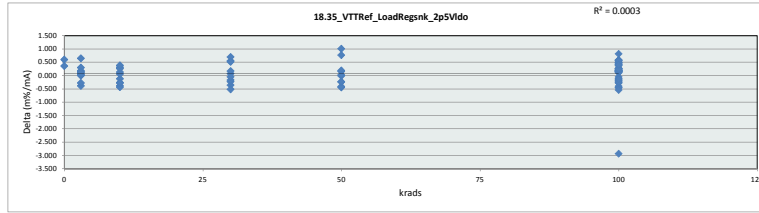


18_34_VTTRef_delta_2p5Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15					
Min Limit	-15					
krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	2.006	1.923	1.959	1.951	1.932	1.897
Average	2.019	2.006	1.994	2.004	1.997	2.021
Max	2.031	2.061	2.051	2.081	2.036	2.318
UL	15.000	15.000	15.000	15.000	15.000	15.000

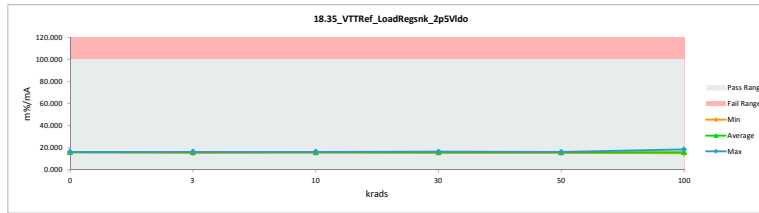


TID 100krad HDR Report
TPS7H3301-SP

18.35_VTTRef_LoadReqsнк_2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	16.319	15.964	0.355
3	A116_Biased	16.318	16.327	-0.009
3	A117_Biased	15.632	15.459	0.173
3	B36_Biased	16.111	16.094	0.017
3	B37_Biased	16.009	16.395	-0.386
3	C39_Biased	16.659	16.367	0.292
3	A118_Unbiased	15.325	15.276	0.049
3	A140_Unbiased	16.319	16.192	0.137
3	B38_Unbiased	16.153	16.045	0.108
3	B39_Unbiased	15.389	15.668	-0.279
3	C40_Unbiased	16.469	15.826	0.643
10	A119_Biased	15.343	15.613	-0.270
10	A120_Biased	15.163	15.697	-0.395
10	B40_Biased	16.193	16.326	-0.133
10	C41_Biased	16.452	16.149	0.303
10	C42_Biased	15.909	15.859	0.050
10	A121_Unbiased	15.163	15.605	-0.442
10	A124_Unbiased	15.560	15.845	-0.285
10	B41_Unbiased	15.994	15.874	0.120
10	C43_Unbiased	16.315	16.058	0.257
10	C44_Unbiased	16.010	15.630	0.380
30	A125_Biased	15.739	16.102	-0.363
30	B42_Biased	16.334	16.570	-0.236
30	B43_Biased	15.601	15.533	0.068
30	C45_Biased	16.043	15.501	0.542
30	C46_Biased	16.515	15.821	0.694
30	A127_Unbiased	15.265	15.787	-0.522
30	B45_Unbiased	15.727	15.901	-0.174
30	B47_Unbiased	16.062	16.118	-0.056
30	C47_Unbiased	16.163	15.654	0.509
30	C50_Unbiased	16.634	16.471	0.163
50	A128_Biased	15.644	15.662	-0.018
50	A129_Biased	16.321	16.171	0.150
50	B48_Biased	15.667	16.122	-0.455
50	B49_Biased	15.778	16.194	-0.416
50	C51_Biased	16.177	15.987	0.190
50	A130_Unbiased	15.669	15.920	-0.251
50	A131_Unbiased	15.878	15.859	0.019
50	B50_Unbiased	15.831	16.071	-0.240
50	B51_Unbiased	16.517	15.510	1.007
50	C53_Unbiased	16.142	15.377	0.765
0	106_Corr	16.754	16.158	0.596
100	A132_Biased	15.794	16.243	-0.449
100	A134_Biased	15.513	18.446	-2.933
100	A135_Biased	15.448	15.846	-0.398
100	B52_Biased	16.594	16.648	-0.054
100	B54_Biased	15.686	15.953	-0.267
100	B55_Biased	15.549	16.014	-0.465
100	B56_Biased	16.031	16.205	-0.174
100	B57_Biased	15.595	16.145	-0.550
100	B59_Biased	16.373	16.662	-0.289
100	B62_Biased	15.657	15.082	0.575
100	B63_Biased	16.557	16.311	0.246
100	B64_Biased	16.549	16.185	0.364
100	B66_Biased	16.461	16.192	0.269
100	B68_Biased	16.285	16.124	0.161
100	C54_Biased	16.450	15.643	0.807
100	C55_Biased	15.970	15.776	0.194
100	C56_Biased	16.245	16.074	0.171
100	C57_Biased	15.977	15.608	0.389
100	C58_Biased	16.195	15.625	0.570
100	C59_Biased	15.781	15.640	0.141
100	C65_Biased	16.025	15.914	0.111
100	C67_Biased	16.341	15.764	0.577
100	A122_Unbiased	15.868	15.986	-0.118
100	A138_Unbiased	15.769	15.965	-0.196
100	A139_Unbiased	15.339	15.576	-0.237
100	B60_Unbiased	16.528	16.275	0.253
100	B61_Unbiased	16.457	16.278	0.179
100	B69_Unbiased	16.528	16.275	0.253
100	B70_Unbiased	16.457	16.051	0.406
100	B71_Unbiased	16.636	16.670	0.166
100	B72_Unbiased	16.498	16.293	0.205
100	B73_Unbiased	16.041	15.903	0.138
100	B74_Unbiased	16.397	16.298	0.099
100	B77_Unbiased	16.231	16.371	-0.140
100	B78_Unbiased	16.854	15.859	0.495
100	B79_Unbiased	16.623	16.174	0.449
100	B80_Unbiased	16.542	16.059	0.483
100	C70_Unbiased	15.736	15.571	0.165
100	C71_Unbiased	16.593	16.117	0.476
100	C72_Unbiased	16.185	16.020	0.165
100	C73_Unbiased	16.006	15.460	0.546
100	C75_Unbiased	16.783	16.596	0.187
100	C76_Unbiased	15.830	15.597	0.233
100	C79_Unbiased	16.301	15.904	0.397
	Max	16.836	18.446	1.007
	Average	16.074	16.002	0.073
	Min	15.163	15.082	-2.933
	Std Dev	0.412	0.423	0.476

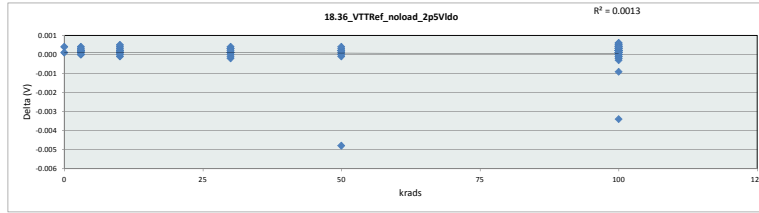


18.35_VTTRef_LoadReqsнк_2p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	15.964	15.276	15.605	15.501	15.377	15.082
Average	16.061	15.964	15.866	15.946	15.887	16.077
Max	16.198	16.395	16.326	16.570	16.194	18.446
UL	100.000	100.000	100.000	100.000	100.000	100.000

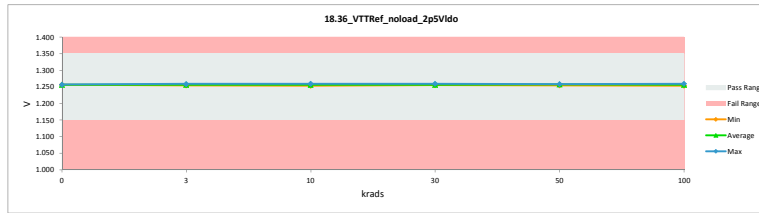


TID 100krad HDR Report
TPS7H3301-SP

18.36_VTTRef_noload_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.257	1.257	0.000
3	A116_Biased	1.258	1.257	0.000
3	A117_Biased	1.257	1.256	0.000
3	B36_Biased	1.257	1.257	0.000
3	B37_Biased	1.257	1.257	0.000
3	C39_Biased	1.257	1.256	0.000
3	A118_Unbiased	1.259	1.259	0.000
3	A140_Unbiased	1.257	1.257	0.000
3	B38_Unbiased	1.258	1.258	0.000
3	B39_Unbiased	1.255	1.255	0.000
3	C40_Unbiased	1.256	1.255	0.000
10	A119_Biased	1.258	1.258	0.000
10	A120_Biased	1.259	1.259	0.000
10	B40_Biased	1.256	1.256	0.000
10	C41_Biased	1.258	1.257	0.000
10	C42_Biased	1.260	1.259	0.000
10	A121_Unbiased	1.255	1.255	0.000
10	A124_Unbiased	1.253	1.253	0.000
10	B41_Unbiased	1.259	1.259	0.000
10	C43_Unbiased	1.255	1.255	0.000
10	C44_Unbiased	1.256	1.255	0.001
30	A125_Biased	1.257	1.257	0.000
30	B42_Biased	1.256	1.256	0.000
30	B43_Biased	1.257	1.257	0.000
30	C45_Biased	1.259	1.259	0.000
30	C46_Biased	1.256	1.255	0.000
30	A127_Unbiased	1.257	1.257	0.000
30	B45_Unbiased	1.255	1.255	0.000
30	B47_Unbiased	1.259	1.259	0.000
30	C47_Unbiased	1.257	1.257	0.000
30	C50_Unbiased	1.256	1.256	0.000
50	A128_Biased	1.258	1.258	0.000
50	A129_Biased	1.259	1.259	0.000
50	B48_Biased	1.256	1.256	0.000
50	B49_Biased	1.257	1.257	0.000
50	C51_Biased	1.258	1.258	0.000
50	A130_Unbiased	1.255	1.255	0.000
50	A131_Unbiased	1.257	1.257	0.000
50	B50_Unbiased	1.257	1.257	0.000
50	B51_Unbiased	1.254	1.259	-0.005
50	C53_Unbiased	1.257	1.257	0.000
0	106_Corr	1.257	1.257	0.000
100	A132_Biased	1.257	1.257	0.000
100	A134_Biased	1.255	1.256	-0.001
100	A135_Biased	1.257	1.257	0.000
100	B52_Biased	1.254	1.254	0.000
100	B54_Biased	1.256	1.256	0.000
100	B55_Biased	1.257	1.257	0.000
100	B56_Biased	1.258	1.258	0.000
100	B57_Biased	1.259	1.259	0.000
100	B59_Biased	1.255	1.255	0.000
100	B62_Biased	1.258	1.258	0.000
100	B63_Biased	1.257	1.257	0.000
100	B64_Biased	1.259	1.259	0.000
100	B66_Biased	1.257	1.257	0.000
100	B68_Biased	1.257	1.257	0.000
100	C54_Biased	1.256	1.255	0.001
100	C55_Biased	1.257	1.257	0.000
100	C56_Biased	1.258	1.258	0.000
100	C57_Biased	1.257	1.257	0.000
100	C58_Biased	1.257	1.257	0.000
100	C59_Biased	1.258	1.258	0.000
100	C65_Biased	1.256	1.256	0.000
100	C67_Biased	1.258	1.258	0.000
100	A122_Unbiased	1.259	1.259	0.000
100	A138_Unbiased	1.258	1.258	0.000
100	A139_Unbiased	1.257	1.257	0.000
100	B60_Unbiased	1.256	1.260	-0.003
100	B61_Unbiased	1.257	1.257	0.000
100	B69_Unbiased	1.256	1.256	0.000
100	B70_Unbiased	1.257	1.257	0.000
100	B71_Unbiased	1.256	1.256	0.000
100	B72_Unbiased	1.257	1.256	0.000
100	B73_Unbiased	1.255	1.255	0.000
100	B74_Unbiased	1.255	1.255	0.000
100	B77_Unbiased	1.257	1.256	0.000
100	B78_Unbiased	1.257	1.256	0.000
100	B79_Unbiased	1.256	1.256	0.000
100	B80_Unbiased	1.257	1.256	0.001
100	C70_Unbiased	1.255	1.254	0.000
100	C71_Unbiased	1.257	1.257	0.000
100	C72_Unbiased	1.257	1.257	0.000
100	C73_Unbiased	1.256	1.255	0.000
100	C75_Unbiased	1.257	1.257	0.000
100	C76_Unbiased	1.259	1.259	0.000
100	C79_Unbiased	1.258	1.258	0.000
	Max	1.260	1.260	0.001
	Average	1.257	1.257	0.000
	Min	1.253	1.253	-0.005
	Std Dev	0.001	0.001	0.001

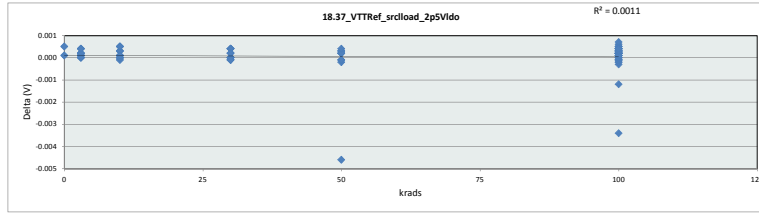


18.36_VTTRef_noload_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.257	1.255	1.253	1.255	1.255	1.254
Average	1.257	1.257	1.257	1.257	1.257	1.257
Max	1.257	1.259	1.259	1.259	1.259	1.260
UL	1.350	1.350	1.350	1.350	1.350	1.350

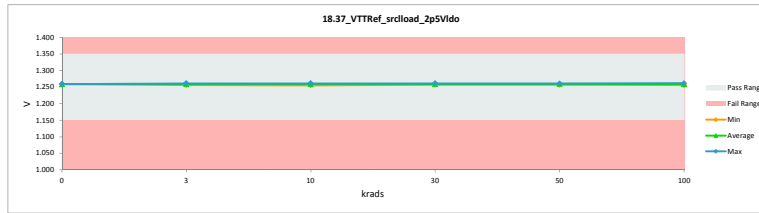


TID 100krad HDR Report
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18.37_VTTRef_srcload_2p5VId0				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.259	1.259	0.000
3	A116_Biased	1.260	1.259	0.000
3	A117_Biased	1.258	1.258	0.000
3	B36_Biased	1.259	1.259	0.000
3	B37_Biased	1.259	1.259	0.000
3	C39_Biased	1.259	1.258	0.000
3	A118_Unbiased	1.261	1.261	0.000
3	A140_Unbiased	1.259	1.259	0.000
3	B38_Unbiased	1.260	1.260	0.000
3	B39_Unbiased	1.256	1.256	0.000
3	C40_Unbiased	1.258	1.257	0.000
10	A119_Biased	1.260	1.260	0.000
10	A120_Biased	1.261	1.261	0.000
10	B40_Biased	1.258	1.258	0.000
10	C41_Biased	1.260	1.259	0.000
10	C42_Biased	1.262	1.261	0.000
10	A121_Unbiased	1.258	1.258	0.000
10	A124_Unbiased	1.255	1.255	0.000
10	B41_Unbiased	1.261	1.261	0.000
10	C43_Unbiased	1.258	1.257	0.000
10	C44_Unbiased	1.258	1.258	0.000
30	A125_Biased	1.259	1.259	0.000
30	B42_Biased	1.258	1.258	0.000
30	B43_Biased	1.259	1.259	0.000
30	C45_Biased	1.261	1.261	0.000
30	C46_Biased	1.258	1.257	0.000
30	A127_Unbiased	1.259	1.259	0.000
30	B45_Unbiased	1.257	1.258	0.000
30	B47_Unbiased	1.261	1.261	0.000
30	C47_Unbiased	1.259	1.258	0.000
30	C50_Unbiased	1.258	1.258	0.000
50	A128_Biased	1.260	1.260	0.000
50	A129_Biased	1.261	1.261	0.000
50	B48_Biased	1.258	1.258	0.000
50	B49_Biased	1.259	1.260	0.000
50	C51_Biased	1.260	1.260	0.000
50	A130_Unbiased	1.257	1.257	0.000
50	A131_Unbiased	1.259	1.259	0.000
50	B50_Unbiased	1.259	1.259	0.000
50	B51_Unbiased	1.261	-0.005	0.000
50	C53_Unbiased	1.259	1.258	0.000
0	106_Corr	1.259	1.259	0.000
100	A132_Biased	1.259	1.259	0.000
100	A134_Biased	1.258	1.259	-0.001
100	A135_Biased	1.259	1.259	0.000
100	B52_Biased	1.256	1.256	0.000
100	B54_Biased	1.258	1.258	0.000
100	B55_Biased	1.259	1.259	0.000
100	B56_Biased	1.260	1.260	0.000
100	B57_Biased	1.261	1.261	0.000
100	B59_Biased	1.257	1.257	0.000
100	B62_Biased	1.260	1.260	0.000
100	B63_Biased	1.259	1.259	0.000
100	B64_Biased	1.261	1.261	0.000
100	B66_Biased	1.259	1.259	0.000
100	B68_Biased	1.259	1.259	0.000
100	C54_Biased	1.258	1.258	0.001
100	C55_Biased	1.259	1.259	0.000
100	C56_Biased	1.260	1.260	0.000
100	C57_Biased	1.259	1.259	0.000
100	C58_Biased	1.259	1.258	0.000
100	C59_Biased	1.260	1.260	0.000
100	C65_Biased	1.258	1.258	0.000
100	C67_Biased	1.260	1.260	0.000
100	A122_Unbiased	1.261	1.261	0.000
100	A138_Unbiased	1.260	1.260	0.000
100	A139_Unbiased	1.259	1.258	0.000
100	B60_Unbiased	1.258	1.262	-0.003
100	B61_Unbiased	1.259	1.259	0.000
100	B69_Unbiased	1.258	1.258	0.000
100	B70_Unbiased	1.259	1.259	0.000
100	B71_Unbiased	1.258	1.258	0.000
100	B72_Unbiased	1.259	1.258	0.000
100	B73_Unbiased	1.257	1.257	0.001
100	B74_Unbiased	1.258	1.257	0.001
100	B77_Unbiased	1.259	1.258	0.000
100	B78_Unbiased	1.259	1.258	0.000
100	B79_Unbiased	1.258	1.258	0.000
100	B80_Unbiased	1.259	1.258	0.001
100	C70_Unbiased	1.257	1.256	0.000
100	C71_Unbiased	1.260	1.259	0.000
100	C72_Unbiased	1.259	1.259	0.000
100	C73_Unbiased	1.258	1.257	0.000
100	C75_Unbiased	1.259	1.259	0.000
100	C76_Unbiased	1.261	1.261	0.000
100	C79_Unbiased	1.260	1.260	0.000
	Max	1.262	1.262	0.001
	Average	1.259	1.259	0.000
	Min	1.255	1.255	-0.005
	Std Dev	0.001	0.001	0.001

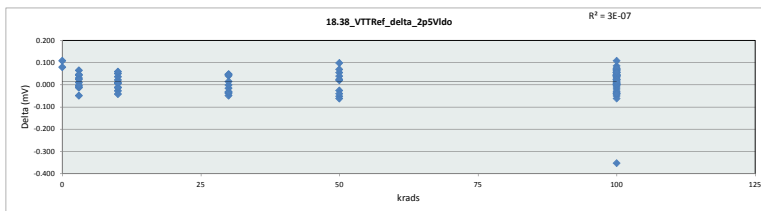


18.37_VTTRef_srcload_2p5VId0						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.259	1.256	1.255	1.257	1.257	1.256
Average	1.259	1.259	1.259	1.259	1.259	1.259
Max	1.259	1.261	1.261	1.261	1.261	1.262
UL	1.350	1.350	1.350	1.350	1.350	1.350

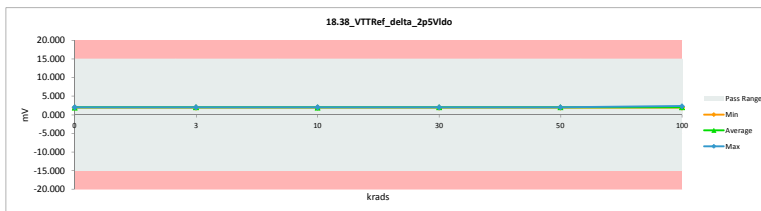


TID 100krad HDR Report
TPS7H3301-SP

18_38_VTTRef_delta_2p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.072	1.963	0.109
3	A116_Biased	2.036	2.046	-0.010
3	A117_Biased	1.960	1.972	-0.012
3	B36_Biased	2.025	1.981	0.044
3	B37_Biased	1.990	2.038	-0.048
3	C39_Biased	2.080	2.049	0.031
3	A118_Unbiased	1.940	1.929	0.011
3	A140_Unbiased	2.072	2.007	0.065
3	B38_Unbiased	2.060	2.014	0.046
3	B39_Unbiased	1.963	1.966	-0.003
3	C40_Unbiased	2.058	2.033	0.025
10	A119_Biased	1.967	1.945	0.022
10	A120_Biased	1.963	1.957	0.006
10	B40_Biased	2.020	2.032	-0.012
10	C41_Biased	2.058	2.022	0.036
10	C42_Biased	2.028	1.977	0.051
10	A121_Unbiased	1.915	1.942	-0.027
10	A124_Unbiased	1.953	1.994	-0.041
10	B41_Unbiased	1.997	2.008	-0.011
10	C43_Unbiased	2.047	2.037	0.010
10	C44_Unbiased	1.995	1.936	0.059
30	A125_Biased	1.954	2.049	-0.095
30	B42_Biased	2.026	2.060	-0.034
30	B43_Biased	1.939	1.978	-0.039
30	C45_Biased	2.019	1.971	0.048
30	C46_Biased	2.085	2.044	0.041
30	A127_Unbiased	1.932	1.944	-0.032
30	B45_Unbiased	1.999	2.015	-0.016
30	B47_Unbiased	2.028	2.029	-0.001
30	C47_Unbiased	2.032	1.986	0.046
30	C50_Unbiased	2.041	2.015	0.025
50	A128_Biased	2.000	1.979	0.021
50	A129_Biased	2.036	2.062	-0.026
50	B48_Biased	1.957	2.008	-0.051
50	B49_Biased	1.974	2.035	-0.061
50	C51_Biased	2.057	2.009	0.050
50	A130_Unbiased	1.963	2.003	-0.040
50	A131_Unbiased	2.004	1.964	0.040
50	B50_Unbiased	1.995	1.970	0.025
50	B51_Unbiased	2.091	1.993	0.098
50	C53_Unbiased	2.033	1.963	0.070
0	106_Corr	2.100	2.021	0.079
100	A132_Biased	1.977	2.027	-0.050
100	A134_Biased	1.969	2.322	-0.353
100	A135_Biased	1.930	1.963	-0.033
100	B52_Biased	2.091	2.109	-0.018
100	B54_Biased	1.945	1.986	-0.041
100	B55_Biased	1.958	1.997	-0.039
100	B56_Biased	2.046	2.043	0.003
100	B57_Biased	1.996	2.025	-0.029
100	B59_Biased	2.062	2.124	-0.062
100	B62_Biased	1.982	1.946	0.036
100	B63_Biased	2.064	2.022	0.042
100	B64_Biased	2.122	2.037	0.085
100	B66_Biased	2.061	2.014	0.047
100	B68_Biased	2.042	1.988	0.054
100	C54_Biased	2.033	1.965	0.068
100	C55_Biased	2.020	1.964	0.056
100	C56_Biased	2.076	2.006	0.070
100	C57_Biased	1.990	1.947	0.043
100	C58_Biased	2.030	1.986	0.044
100	C59_Biased	2.040	1.975	0.065
100	C65_Biased	1.968	1.944	0.024
100	C67_Biased	2.066	1.957	0.109
100	A122_Unbiased	1.985	2.025	-0.040
100	A138_Unbiased	2.013	2.009	0.004
100	A139_Unbiased	1.942	1.945	-0.003
100	B60_Unbiased	2.062	2.072	-0.010
100	B61_Unbiased	2.043	2.032	0.011
100	B69_Unbiased	2.062	2.025	0.037
100	B70_Unbiased	2.043	2.013	0.030
100	B71_Unbiased	2.051	2.023	0.023
100	B72_Unbiased	2.071	2.030	0.041
100	B73_Unbiased	2.034	2.016	0.018
100	B74_Unbiased	2.091	2.050	0.041
100	B77_Unbiased	2.047	2.042	0.005
100	B78_Unbiased	2.048	1.991	0.057
100	B79_Unbiased	2.058	2.012	0.046
100	B80_Unbiased	2.068	2.005	0.063
100	C70_Unbiased	1.992	1.991	0.001
100	C71_Unbiased	2.024	2.019	0.004
100	C72_Unbiased	2.039	1.965	0.074
100	C73_Unbiased	1.996	1.992	0.004
100	C75_Unbiased	2.101	2.088	0.013
100	C76_Unbiased	2.024	1.949	0.075
100	C79_Unbiased	2.062	2.062	0.000
	Max	2.122	2.322	0.109
	Average	2.022	2.007	0.014
	Min	1.915	1.929	-0.353
	Std Dev	0.048	0.052	0.058

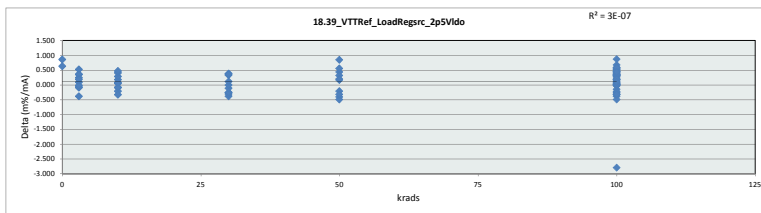


18_38_VTTRef_delta_2p5Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.963	1.929	1.936	1.964	1.963	1.945
Average	1.992	2.004	1.985	2.009	1.998	2.016
Max	2.021	2.049	2.037	2.060	2.062	2.322
UL	15.000	15.000	15.000	15.000	15.000	15.000

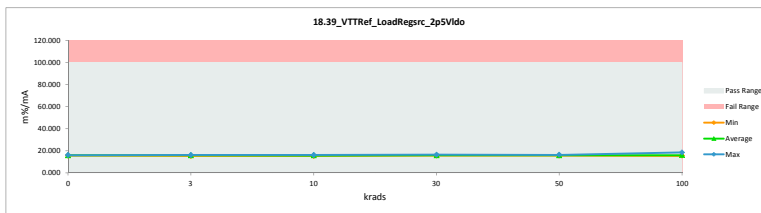


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18.39_VTTRef_LoadRegrsc_2p5V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	16.483	15.623	0.860
3	A116_Biased	16.192	16.269	-0.077
3	A117_Biased	15.601	15.698	-0.097
3	B36_Biased	16.115	15.765	0.350
3	B37_Biased	15.827	16.210	-0.383
3	C39_Biased	16.549	16.309	0.240
3	A118_Unbiased	15.405	15.319	0.086
3	A140_Unbiased	16.483	15.944	0.519
3	B38_Unbiased	16.374	16.012	0.362
3	B39_Unbiased	15.648	15.668	-0.020
3	C40_Unbiased	16.385	16.197	0.188
10	A119_Biased	15.637	15.461	0.176
10	A120_Biased	15.254	15.542	0.044
10	B40_Biased	16.084	16.177	-0.093
10	C41_Biased	16.366	16.079	0.287
10	C42_Biased	16.099	15.699	0.400
10	A121_Unbiased	15.254	15.469	-0.215
10	A124_Unbiased	15.585	15.913	-0.328
10	B41_Unbiased	15.862	15.949	-0.087
10	C43_Unbiased	16.307	16.229	0.078
10	C44_Unbiased	15.886	15.418	0.468
30	A125_Biased	15.544	15.930	-0.386
30	B42_Biased	16.133	16.399	-0.266
30	B43_Biased	15.422	15.732	-0.310
30	C45_Biased	16.039	15.658	0.381
30	C46_Biased	16.603	16.279	0.324
30	A127_Unbiased	15.367	15.622	-0.255
30	B45_Unbiased	15.926	16.047	-0.121
30	B47_Unbiased	16.106	16.112	-0.006
30	C47_Unbiased	16.165	15.805	0.360
30	C50_Unbiased	16.370	16.255	0.115
50	A128_Biased	15.896	15.735	0.161
50	A129_Biased	16.171	16.386	-0.215
50	B48_Biased	15.583	15.990	-0.407
50	B49_Biased	15.697	16.186	-0.489
50	C51_Biased	16.246	15.912	0.434
50	A130_Unbiased	15.642	15.961	-0.319
50	A131_Unbiased	15.942	15.629	0.313
50	B50_Unbiased	15.875	15.676	0.199
50	B51_Unbiased	16.676	15.835	0.841
50	C53_Unbiased	16.176	15.626	0.550
0	106_Corr	16.706	16.076	0.630
100	A132_Biased	15.731	16.121	-0.390
100	A134_Biased	15.686	18.483	-2.797
100	A135_Biased	15.357	15.617	-0.260
100	B52_Biased	16.673	16.821	-0.148
100	B54_Biased	15.482	15.815	-0.333
100	B55_Biased	15.574	15.880	-0.306
100	B56_Biased	16.259	16.236	0.023
100	B57_Biased	15.858	16.086	-0.228
100	B59_Biased	16.424	16.923	-0.499
100	B62_Biased	15.761	15.471	0.290
100	B63_Biased	16.412	16.083	0.329
100	B64_Biased	16.049	16.179	0.170
100	B66_Biased	16.394	16.027	0.367
100	B68_Biased	16.241	15.813	0.428
100	C54_Biased	16.184	15.652	0.532
100	C55_Biased	16.072	15.626	0.446
100	C56_Biased	16.499	15.946	0.553
100	C57_Biased	15.828	15.487	0.341
100	C58_Biased	16.156	15.807	0.349
100	C59_Biased	16.211	15.699	0.512
100	C65_Biased	15.824	15.622	0.192
100	C67_Biased	16.424	15.561	0.863
100	A122_Unbiased	15.765	16.086	-0.321
100	A138_Unbiased	16.001	15.972	0.029
100	A139_Unbiased	15.451	15.480	-0.029
100	B60_Unbiased	16.417	16.446	-0.029
100	B61_Unbiased	16.244	16.162	0.082
100	B69_Unbiased	16.417	16.124	0.293
100	B70_Unbiased	16.244	16.012	0.232
100	B71_Unbiased	16.564	16.388	0.176
100	B72_Unbiased	16.477	16.155	0.322
100	B73_Unbiased	16.203	16.065	0.138
100	B74_Unbiased	16.660	16.337	0.323
100	B77_Unbiased	16.290	16.256	0.034
100	B78_Unbiased	16.297	15.848	0.449
100	B79_Unbiased	16.384	16.017	0.367
100	B80_Unbiased	16.453	15.965	0.488
100	C70_Unbiased	15.878	15.877	0.001
100	C71_Unbiased	16.243	16.061	0.182
100	C72_Unbiased	16.220	15.638	0.582
100	C73_Unbiased	15.900	15.871	0.029
100	C75_Unbiased	16.710	16.611	0.099
100	C76_Unbiased	16.071	15.479	0.592
100	C79_Unbiased	16.389	15.950	0.439
	Max	16.849	18.483	0.863
	Average	16.085	15.972	0.113
	Min	15.254	15.319	-2.797
	Std Dev	0.379	0.417	0.458

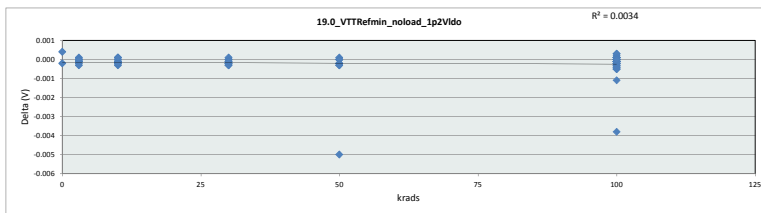


18.39_VTTRef_LoadRegrsc_2p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	15.623	15.319	15.418	15.622	15.626	15.471
Average	15.850	15.941	15.794	15.984	15.894	16.040
Max	16.076	16.309	16.229	16.399	16.386	18.483
UL	100.000	100.000	100.000	100.000	100.000	100.000

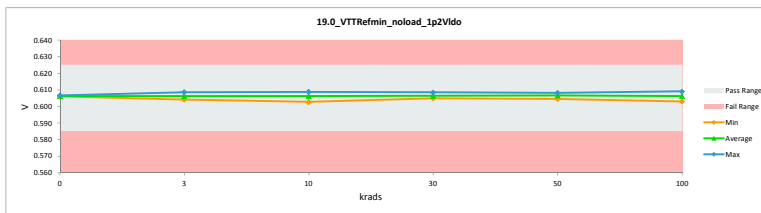


TID 100krad HDR Report
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19_0_VTTRefmin_noload_1p2VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.607	0.606	0.000
3	A116_Biased	0.607	0.607	0.000
3	A117_Biased	0.606	0.606	0.000
3	B36_Biased	0.606	0.606	0.000
3	B37_Biased	0.607	0.607	0.000
3	C39_Biased	0.606	0.606	0.000
3	A118_Unbiased	0.609	0.609	0.000
3	A140_Unbiased	0.607	0.607	0.000
3	B38_Unbiased	0.607	0.607	0.000
3	B39_Unbiased	0.604	0.604	0.000
3	C40_Unbiased	0.605	0.605	0.000
10	A119_Biased	0.607	0.607	0.000
10	A120_Biased	0.609	0.609	0.000
10	B40_Biased	0.605	0.605	0.000
10	C41_Biased	0.607	0.607	0.000
10	C42_Biased	0.609	0.609	0.000
10	A121_Unbiased	0.605	0.605	0.000
10	A124_Unbiased	0.603	0.603	0.000
10	B41_Unbiased	0.608	0.609	0.000
10	C43_Unbiased	0.605	0.605	0.000
10	C44_Unbiased	0.605	0.605	0.000
30	A125_Biased	0.607	0.607	0.000
30	B42_Biased	0.605	0.605	0.000
30	B43_Biased	0.607	0.607	0.000
30	C45_Biased	0.608	0.608	0.000
30	C46_Biased	0.605	0.605	0.000
30	A127_Unbiased	0.607	0.607	0.000
30	B45_Unbiased	0.605	0.605	0.000
30	B47_Unbiased	0.608	0.609	0.000
30	C47_Unbiased	0.606	0.606	0.000
30	C50_Unbiased	0.605	0.605	0.000
50	A128_Biased	0.607	0.607	0.000
50	A129_Biased	0.608	0.608	0.000
50	B48_Biased	0.605	0.605	0.000
50	B49_Biased	0.607	0.607	0.000
50	C51_Biased	0.608	0.608	0.000
50	A130_Unbiased	0.604	0.604	0.000
50	A131_Unbiased	0.606	0.606	0.000
50	B50_Unbiased	0.606	0.606	0.000
50	B51_Unbiased	0.603	-0.005	0.000
50	C53_Unbiased	0.606	0.606	0.000
0	106_Corr	0.606	0.607	0.000
100	A132_Biased	0.606	0.607	0.000
100	A134_Biased	0.605	0.606	-0.001
100	A135_Biased	0.606	0.606	0.000
100	B52_Biased	0.603	0.603	0.000
100	B54_Biased	0.605	0.605	0.000
100	B55_Biased	0.606	0.607	0.000
100	B56_Biased	0.608	0.608	0.000
100	B57_Biased	0.608	0.608	0.000
100	B59_Biased	0.604	0.605	0.000
100	B62_Biased	0.607	0.607	0.000
100	B63_Biased	0.606	0.606	0.000
100	B64_Biased	0.609	0.609	0.000
100	B66_Biased	0.606	0.606	0.000
100	B68_Biased	0.606	0.607	0.000
100	C54_Biased	0.605	0.605	0.000
100	C55_Biased	0.606	0.606	0.000
100	C56_Biased	0.607	0.608	0.000
100	C57_Biased	0.607	0.607	0.000
100	C58_Biased	0.606	0.606	0.000
100	C59_Biased	0.608	0.608	0.000
100	C65_Biased	0.605	0.605	0.000
100	C67_Biased	0.607	0.607	0.000
100	A122_Unbiased	0.608	0.608	0.000
100	A138_Unbiased	0.607	0.607	0.000
100	A139_Unbiased	0.606	0.606	0.000
100	B60_Unbiased	0.605	0.609	-0.004
100	B61_Unbiased	0.607	0.607	0.000
100	B69_Unbiased	0.605	0.605	0.000
100	B70_Unbiased	0.607	0.607	0.000
100	B71_Unbiased	0.605	0.605	0.000
100	B72_Unbiased	0.606	0.606	0.000
100	B73_Unbiased	0.605	0.604	0.000
100	B74_Unbiased	0.604	0.604	0.000
100	B77_Unbiased	0.606	0.605	0.000
100	B78_Unbiased	0.606	0.606	0.000
100	B79_Unbiased	0.605	0.605	0.000
100	B80_Unbiased	0.606	0.605	0.000
100	C70_Unbiased	0.604	0.604	0.000
100	C71_Unbiased	0.607	0.607	0.000
100	C72_Unbiased	0.606	0.606	0.000
100	C73_Unbiased	0.605	0.605	0.000
100	C75_Unbiased	0.607	0.607	0.000
100	C76_Unbiased	0.609	0.609	0.000
100	C78_Unbiased	0.607	0.607	0.000
	Max	0.609	0.609	0.000
	Average	0.606	0.606	0.000
	Min	0.603	0.603	-0.005
	Std Dev	0.001	0.001	0.001

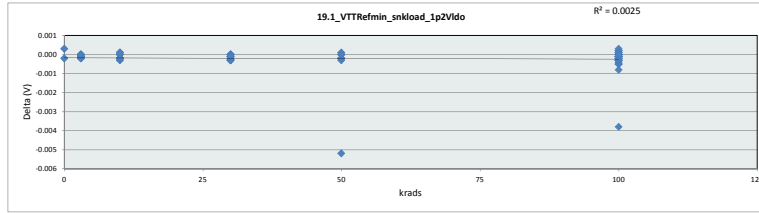


19_0_VTTRefmin_noload_1p2V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.606	0.604	0.603	0.605	0.605	0.603
Average	0.606	0.606	0.606	0.606	0.607	0.606
Max	0.607	0.609	0.609	0.609	0.608	0.609
UL	0.625	0.625	0.625	0.625	0.625	0.625

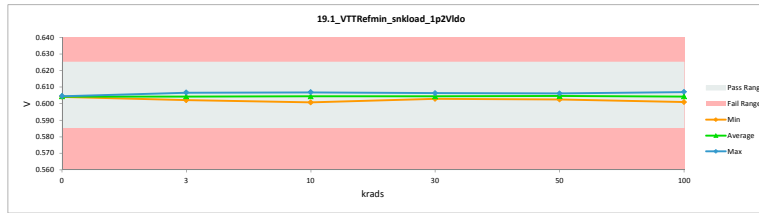


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19_1_VTTRefmin_snkload_1p2Vid				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.604	0.604	0.000
3	A116_Biased	0.605	0.605	0.000
3	A117_Biased	0.604	0.604	0.000
3	B36_Biased	0.604	0.604	0.000
3	B37_Biased	0.605	0.605	0.000
3	C39_Biased	0.604	0.604	0.000
3	A118_Unbiased	0.607	0.607	0.000
3	A140_Unbiased	0.604	0.604	0.000
3	B38_Unbiased	0.605	0.605	0.000
3	B39_Unbiased	0.602	0.602	0.000
3	C40_Unbiased	0.603	0.603	0.000
10	A119_Biased	0.605	0.605	0.000
10	A120_Biased	0.607	0.607	0.000
10	B40_Biased	0.603	0.603	0.000
10	C41_Biased	0.605	0.605	0.000
10	C42_Biased	0.607	0.607	0.000
10	A121_Unbiased	0.603	0.603	0.000
10	A124_Unbiased	0.600	0.601	0.000
10	B41_Unbiased	0.606	0.607	0.000
10	C43_Unbiased	0.603	0.603	0.000
10	C44_Unbiased	0.603	0.603	0.000
30	A125_Biased	0.605	0.605	0.000
30	B42_Biased	0.603	0.603	0.000
30	B43_Biased	0.605	0.605	0.000
30	C45_Biased	0.606	0.606	0.000
30	C46_Biased	0.603	0.603	0.000
30	A127_Unbiased	0.605	0.605	0.000
30	B45_Unbiased	0.603	0.603	0.000
30	B47_Unbiased	0.606	0.606	0.000
30	C47_Unbiased	0.604	0.604	0.000
30	C50_Unbiased	0.603	0.603	0.000
50	A128_Biased	0.605	0.605	0.000
50	A129_Biased	0.606	0.606	0.000
50	B48_Biased	0.603	0.603	0.000
50	B49_Biased	0.605	0.605	0.000
50	C51_Biased	0.606	0.606	0.000
50	A130_Unbiased	0.602	0.603	0.000
50	A131_Unbiased	0.604	0.604	0.000
50	B50_Unbiased	0.604	0.604	0.000
50	B51_Unbiased	0.601	-0.005	0.000
50	C53_Unbiased	0.604	0.604	0.000
0	106_Corr	0.604	0.604	0.000
100	A132_Biased	0.604	0.605	-0.001
100	A134_Biased	0.603	0.604	-0.001
100	A135_Biased	0.604	0.604	0.000
100	B52_Biased	0.601	0.601	0.000
100	B54_Biased	0.603	0.603	0.000
100	B55_Biased	0.604	0.605	-0.001
100	B56_Biased	0.605	0.606	0.000
100	B57_Biased	0.606	0.606	0.000
100	B59_Biased	0.602	0.603	0.000
100	B62_Biased	0.605	0.605	0.000
100	B63_Biased	0.604	0.604	0.000
100	B64_Biased	0.606	0.606	0.000
100	B66_Biased	0.604	0.604	0.000
100	B68_Biased	0.604	0.605	-0.001
100	C54_Biased	0.603	0.603	0.000
100	C55_Biased	0.604	0.604	0.000
100	C56_Biased	0.605	0.606	0.000
100	C57_Biased	0.604	0.605	0.000
100	C58_Biased	0.604	0.604	0.000
100	C59_Biased	0.605	0.606	0.000
100	C65_Biased	0.603	0.604	0.000
100	C67_Biased	0.605	0.605	0.000
100	A122_Unbiased	0.606	0.606	0.000
100	A138_Unbiased	0.605	0.605	0.000
100	A139_Unbiased	0.604	0.604	0.000
100	B60_Unbiased	0.603	0.607	-0.004
100	B61_Unbiased	0.604	0.605	0.000
100	B69_Unbiased	0.603	0.603	0.000
100	B70_Unbiased	0.604	0.604	0.000
100	B71_Unbiased	0.603	0.603	0.000
100	B72_Unbiased	0.604	0.604	0.000
100	B73_Unbiased	0.603	0.602	0.000
100	B74_Unbiased	0.602	0.602	0.000
100	B77_Unbiased	0.604	0.603	0.000
100	B78_Unbiased	0.604	0.604	0.000
100	B79_Unbiased	0.603	0.603	0.000
100	B80_Unbiased	0.604	0.603	0.000
100	C70_Unbiased	0.602	0.602	0.000
100	C71_Unbiased	0.605	0.605	0.000
100	C72_Unbiased	0.604	0.604	0.000
100	C73_Unbiased	0.603	0.603	0.000
100	C75_Unbiased	0.604	0.604	0.000
100	C76_Unbiased	0.607	0.607	0.000
100	C79_Unbiased	0.605	0.605	0.000
	Max	0.607	0.607	0.000
	Average	0.604	0.604	0.000
	Min	0.600	0.601	-0.005
	Std Dev	0.001	0.001	0.001

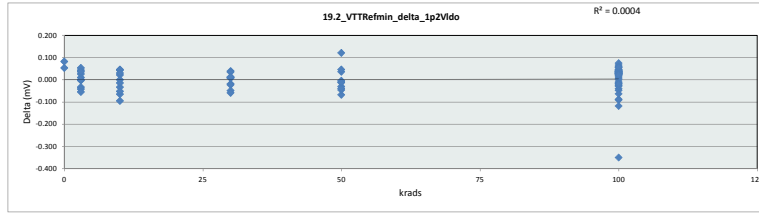


19_1_VTTRefmin_snkload_1p2Vid						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.604	0.602	0.601	0.603	0.603	0.601
Average	0.604	0.604	0.604	0.604	0.605	0.604
Max	0.605	0.607	0.607	0.606	0.606	0.607
UL	0.625	0.625	0.625	0.625	0.625	0.625

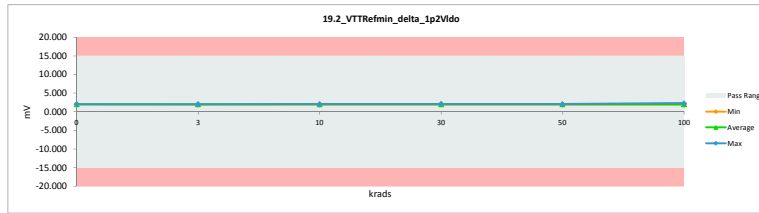


TID 100krad HDR Report
TPS7H3301-SP

19_2_VTTRefmin_delta_ip2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.054	2.000	0.054
3	A116_Biased	2.029	2.018	0.011
3	A117_Biased	1.968	1.941	0.027
3	B36_Biased	2.008	2.011	-0.003
3	B37_Biased	1.984	2.017	-0.033
3	C39_Biased	2.072	2.029	0.043
3	A118_Unbiased	1.957	1.999	-0.042
3	A140_Unbiased	2.054	2.000	0.054
3	B38_Unbiased	2.031	2.030	0.001
3	B39_Unbiased	1.950	2.005	-0.055
3	C40_Unbiased	2.079	2.042	0.037
10	A119_Biased	1.940	1.973	-0.033
10	A120_Biased	1.945	2.045	-0.094
10	B40_Biased	2.047	2.047	0.000
10	C41_Biased	2.055	2.012	0.043
10	C42_Biased	2.031	2.045	-0.014
10	A121_Unbiased	1.921	1.966	-0.045
10	A124_Unbiased	1.991	1.969	0.022
10	B41_Unbiased	2.018	2.069	-0.051
10	C43_Unbiased	2.068	2.021	0.047
10	C44_Unbiased	2.020	1.989	0.031
30	A125_Biased	1.958	1.977	-0.019
30	B42_Biased	2.047	2.070	-0.023
30	B43_Biased	1.940	1.933	0.007
30	C45_Biased	2.038	2.029	0.009
30	C46_Biased	2.097	2.057	0.040
30	A127_Unbiased	1.929	1.919	0.010
30	B45_Unbiased	1.984	2.033	-0.049
30	B47_Unbiased	2.034	2.092	-0.058
30	C47_Unbiased	2.021	1.986	0.035
30	C50_Unbiased	2.085	2.071	0.014
50	A128_Biased	1.974	1.983	-0.009
50	A129_Biased	2.010	2.077	-0.067
50	B48_Biased	1.977	2.023	-0.046
50	B49_Biased	1.978	2.008	-0.030
50	C51_Biased	2.036	1.999	0.037
50	A130_Unbiased	1.961	2.000	-0.039
50	A131_Unbiased	1.990	1.994	-0.004
50	B50_Unbiased	1.991	2.004	-0.013
50	B51_Unbiased	2.049	1.927	0.122
50	C53_Unbiased	2.024	1.977	0.047
0	106_Corr	2.101	2.019	0.082
100	A132_Biased	1.981	2.021	-0.040
100	A134_Biased	1.977	2.327	-0.350
100	A135_Biased	1.936	1.983	-0.047
100	B52_Biased	2.079	2.051	0.028
100	B54_Biased	1.982	2.000	-0.018
100	B55_Biased	1.965	1.979	-0.014
100	B56_Biased	2.015	2.007	0.008
100	B57_Biased	1.970	2.061	-0.091
100	B59_Biased	2.040	2.127	-0.087
100	B62_Biased	1.974	1.939	0.035
100	B63_Biased	2.082	2.015	0.067
100	B64_Biased	2.116	2.092	0.024
100	B66_Biased	2.060	2.004	0.056
100	B68_Biased	2.050	1.974	0.076
100	C54_Biased	2.056	2.011	0.045
100	C55_Biased	2.018	1.981	0.037
100	C56_Biased	2.043	2.029	0.014
100	C57_Biased	1.989	1.950	0.039
100	C58_Biased	2.017	1.977	0.040
100	C59_Biased	1.999	1.968	0.031
100	C65_Biased	2.001	1.980	0.021
100	C67_Biased	2.034	1.999	0.035
100	A122_Unbiased	1.942	2.060	-0.118
100	A138_Unbiased	1.960	2.023	-0.063
100	A139_Unbiased	1.914	1.939	-0.025
100	B60_Unbiased	2.087	2.116	-0.029
100	B61_Unbiased	2.058	2.027	0.031
100	B69_Unbiased	2.087	2.051	0.036
100	B70_Unbiased	2.058	2.014	0.044
100	B71_Unbiased	2.111	2.110	0.001
100	B72_Unbiased	2.078	2.044	0.034
100	B73_Unbiased	2.039	2.011	0.028
100	B74_Unbiased	2.073	2.041	0.032
100	B77_Unbiased	2.047	2.056	-0.009
100	B78_Unbiased	2.047	1.999	0.048
100	B79_Unbiased	2.084	2.041	0.043
100	B80_Unbiased	2.068	2.029	0.039
100	C70_Unbiased	2.015	1.955	0.060
100	C71_Unbiased	2.060	2.003	0.057
100	C72_Unbiased	2.035	2.008	0.027
100	C73_Unbiased	2.028	2.002	0.026
100	C75_Unbiased	2.100	2.072	0.028
100	C76_Unbiased	2.015	2.034	-0.019
100	C79_Unbiased	2.043	2.023	0.020
	Max	2.116	2.327	0.122
	Average	2.021	2.018	0.003
	Min	1.914	1.919	-0.350
	Std Dev	0.049	0.054	0.059

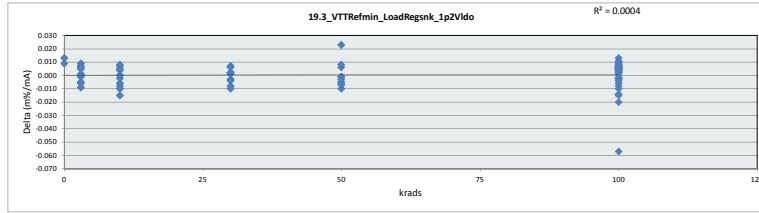


19_2_VTTRefmin_delta_ip2Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	2.000	1.941	1.969	1.919	1.927	1.939
Average	2.010	2.009	2.016	2.017	1.999	2.026
Max	2.019	2.042	2.069	2.092	2.077	2.327
UL	15.000	15.000	15.000	15.000	15.000	15.000

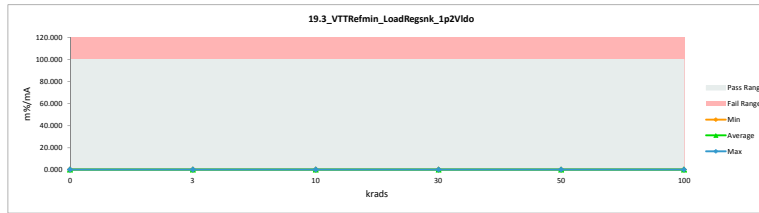


TID 100krad HDR Report
TPS7H3301-SP

19.3_VTTRefmin_LoadReqsnk_1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.339	0.330	0.009
3	A116_Biased	0.334	0.333	0.001
3	A117_Biased	0.325	0.320	0.005
3	B36_Biased	0.331	0.332	-0.001
3	B37_Biased	0.327	0.332	-0.005
3	C39_Biased	0.342	0.335	0.007
3	A118_Unbiased	0.322	0.328	-0.006
3	A140_Unbiased	0.339	0.330	0.009
3	B38_Unbiased	0.334	0.334	0.000
3	B39_Unbiased	0.323	0.332	-0.009
3	C40_Unbiased	0.344	0.338	0.006
10	A119_Biased	0.319	0.325	-0.006
10	A120_Biased	0.321	0.326	-0.015
10	B40_Biased	0.338	0.338	0.000
10	C41_Biased	0.338	0.331	0.007
10	C42_Biased	0.334	0.336	-0.002
10	A121_Unbiased	0.328	0.328	-0.010
10	A124_Unbiased	0.331	0.327	0.004
10	B41_Unbiased	0.332	0.340	-0.008
10	C43_Unbiased	0.342	0.334	0.008
10	C44_Unbiased	0.334	0.329	0.005
30	A125_Biased	0.323	0.326	-0.003
30	B42_Biased	0.338	0.342	-0.004
30	B43_Biased	0.320	0.319	0.001
30	C45_Biased	0.335	0.333	0.002
30	C46_Biased	0.347	0.340	0.007
30	A127_Unbiased	0.318	0.316	0.002
30	B45_Unbiased	0.328	0.336	-0.008
30	B47_Unbiased	0.334	0.344	-0.010
30	C47_Unbiased	0.334	0.328	0.006
30	C50_Unbiased	0.344	0.342	0.002
50	A128_Biased	0.325	0.326	-0.001
50	A129_Biased	0.331	0.341	-0.010
50	B48_Biased	0.327	0.334	-0.007
50	B49_Biased	0.326	0.331	-0.005
50	C51_Biased	0.335	0.329	0.006
50	A130_Unbiased	0.325	0.331	-0.006
50	A131_Unbiased	0.328	0.329	-0.001
50	B50_Unbiased	0.328	0.331	-0.003
50	B51_Unbiased	0.317	0.317	0.000
50	C53_Unbiased	0.334	0.326	0.008
0	106_Corr	0.346	0.333	0.013
100	A132_Biased	0.327	0.333	-0.006
100	A134_Biased	0.327	0.384	-0.057
100	A135_Biased	0.327	0.319	0.008
100	B52_Biased	0.345	0.340	0.005
100	B54_Biased	0.328	0.330	-0.002
100	B55_Biased	0.324	0.326	-0.002
100	B56_Biased	0.332	0.330	0.002
100	B57_Biased	0.324	0.339	-0.015
100	B59_Biased	0.338	0.352	-0.014
100	B62_Biased	0.325	0.319	0.006
100	B63_Biased	0.343	0.332	0.011
100	B64_Biased	0.348	0.344	0.004
100	B66_Biased	0.340	0.331	0.009
100	B68_Biased	0.338	0.325	0.013
100	C54_Biased	0.340	0.332	0.008
100	C55_Biased	0.333	0.327	0.006
100	C56_Biased	0.336	0.334	0.002
100	C57_Biased	0.328	0.321	0.007
100	C58_Biased	0.333	0.326	0.007
100	C59_Biased	0.329	0.324	0.005
100	C65_Biased	0.329	0.326	0.003
100	C67_Biased	0.335	0.329	0.006
100	A122_Unbiased	0.319	0.339	-0.020
100	A138_Unbiased	0.323	0.333	-0.010
100	A139_Unbiased	0.316	0.320	-0.004
100	B60_Unbiased	0.345	0.347	-0.002
100	B61_Unbiased	0.339	0.334	0.005
100	B69_Unbiased	0.345	0.339	0.006
100	B70_Unbiased	0.339	0.332	0.007
100	B71_Unbiased	0.349	0.349	0.000
100	B72_Unbiased	0.343	0.338	0.005
100	B73_Unbiased	0.337	0.333	0.004
100	B74_Unbiased	0.343	0.338	0.005
100	B77_Unbiased	0.338	0.340	-0.002
100	B78_Unbiased	0.338	0.338	0.000
100	B79_Unbiased	0.344	0.337	0.007
100	B80_Unbiased	0.341	0.335	0.006
100	C70_Unbiased	0.334	0.324	0.010
100	C71_Unbiased	0.340	0.330	0.010
100	C72_Unbiased	0.336	0.331	0.005
100	C73_Unbiased	0.335	0.331	0.004
100	C75_Unbiased	0.346	0.342	0.004
100	C76_Unbiased	0.331	0.334	-0.003
100	C79_Unbiased	0.336	0.333	0.003
	Max	0.349	0.384	0.023
	Average	0.333	0.333	0.001
	Min	0.316	0.316	-0.057
	Std Dev	0.008	0.009	0.010

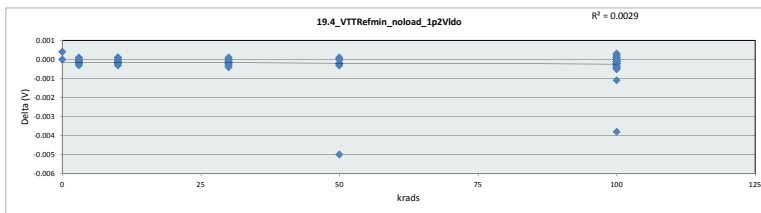


19.3_VTTRefmin_LoadReqsnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.330	0.320	0.325	0.316	0.317	0.319
Average	0.332	0.331	0.332	0.333	0.330	0.334
Max	0.333	0.338	0.340	0.344	0.341	0.384
UL	100.000	100.000	100.000	100.000	100.000	100.000

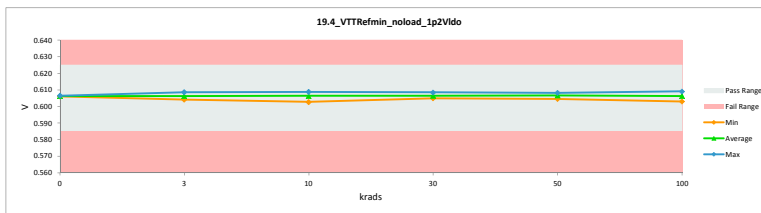


TID 100krad HDR Report
TPS7H3301-SP

19_4_VTTRefmin_noload_1p2VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.607	0.606	0.000
3	A116_Biased	0.607	0.607	0.000
3	A117_Biased	0.606	0.606	0.000
3	B36_Biased	0.606	0.606	0.000
3	B37_Biased	0.607	0.607	0.000
3	C39_Biased	0.606	0.606	0.000
3	A118_Unbiased	0.609	0.609	0.000
3	A140_Unbiased	0.607	0.607	0.000
3	B38_Unbiased	0.607	0.607	0.000
3	B39_Unbiased	0.604	0.604	0.000
3	C40_Unbiased	0.605	0.605	0.000
10	A119_Biased	0.607	0.607	0.000
10	A120_Biased	0.609	0.609	0.000
10	B40_Biased	0.605	0.605	0.000
10	C41_Biased	0.607	0.607	0.000
10	C42_Biased	0.609	0.609	0.000
10	A121_Unbiased	0.605	0.605	0.000
10	A124_Unbiased	0.603	0.603	0.000
10	B41_Unbiased	0.608	0.609	0.000
10	C43_Unbiased	0.605	0.605	0.000
10	C44_Unbiased	0.605	0.605	0.000
30	A125_Biased	0.607	0.607	0.000
30	B42_Biased	0.605	0.605	0.000
30	B43_Biased	0.607	0.607	0.000
30	C45_Biased	0.608	0.608	0.000
30	C46_Biased	0.605	0.605	0.000
30	A127_Unbiased	0.607	0.607	0.000
30	B45_Unbiased	0.605	0.605	0.000
30	B47_Unbiased	0.608	0.609	0.000
30	C47_Unbiased	0.606	0.606	0.000
30	C50_Unbiased	0.605	0.605	0.000
50	A128_Biased	0.607	0.607	0.000
50	A129_Biased	0.608	0.608	0.000
50	B48_Biased	0.605	0.605	0.000
50	B49_Biased	0.607	0.607	0.000
50	C51_Biased	0.608	0.608	0.000
50	A130_Unbiased	0.604	0.604	0.000
50	A131_Unbiased	0.606	0.606	0.000
50	B50_Unbiased	0.606	0.606	0.000
50	B51_Unbiased	0.603	-0.005	0.000
50	C53_Unbiased	0.606	0.606	0.000
0	106_Corr	0.607	0.607	0.000
100	A132_Biased	0.606	0.607	0.000
100	A134_Biased	0.605	0.606	-0.001
100	A135_Biased	0.606	0.606	0.000
100	B52_Biased	0.603	0.603	0.000
100	B54_Biased	0.605	0.605	0.000
100	B55_Biased	0.606	0.607	0.000
100	B56_Biased	0.608	0.608	0.000
100	B57_Biased	0.608	0.608	0.000
100	B59_Biased	0.604	0.605	0.000
100	B62_Biased	0.607	0.607	0.000
100	B63_Biased	0.606	0.607	0.000
100	B64_Biased	0.609	0.608	0.000
100	B66_Biased	0.606	0.606	0.000
100	B68_Biased	0.606	0.607	0.000
100	C54_Biased	0.605	0.605	0.000
100	C55_Biased	0.606	0.606	0.000
100	C56_Biased	0.607	0.608	0.000
100	C57_Biased	0.607	0.607	0.000
100	C58_Biased	0.606	0.606	0.000
100	C59_Biased	0.608	0.608	0.000
100	C65_Biased	0.605	0.605	0.000
100	C67_Biased	0.607	0.607	0.000
100	A122_Unbiased	0.608	0.608	0.000
100	A138_Unbiased	0.607	0.607	0.000
100	A139_Unbiased	0.606	0.606	0.000
100	B60_Unbiased	0.605	0.609	-0.004
100	B61_Unbiased	0.607	0.607	0.000
100	B69_Unbiased	0.605	0.605	0.000
100	B70_Unbiased	0.607	0.607	0.000
100	B71_Unbiased	0.605	0.605	0.000
100	B72_Unbiased	0.606	0.606	0.000
100	B73_Unbiased	0.605	0.604	0.000
100	B74_Unbiased	0.604	0.604	0.000
100	B77_Unbiased	0.606	0.605	0.000
100	B78_Unbiased	0.606	0.606	0.000
100	B79_Unbiased	0.605	0.605	0.000
100	B80_Unbiased	0.606	0.605	0.000
100	C70_Unbiased	0.604	0.604	0.000
100	C71_Unbiased	0.607	0.607	0.000
100	C72_Unbiased	0.606	0.606	0.000
100	C73_Unbiased	0.605	0.605	0.000
100	C75_Unbiased	0.607	0.607	0.000
100	C76_Unbiased	0.609	0.609	0.000
100	C78_Unbiased	0.607	0.607	0.000
	Max	0.609	0.609	0.000
	Average	0.606	0.606	0.000
	Min	0.603	0.603	-0.005
	Std Dev	0.001	0.001	0.001

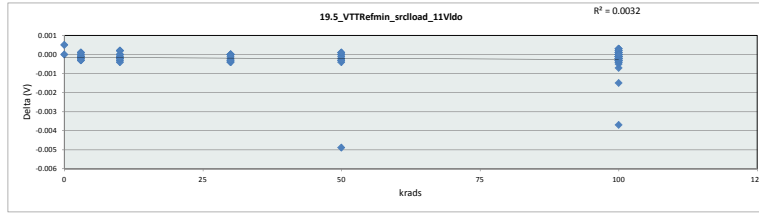


19_4_VTTRefmin_noload_1p2V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.606	0.604	0.603	0.605	0.605	0.603
Average	0.606	0.606	0.606	0.606	0.607	0.606
Max	0.607	0.609	0.609	0.609	0.608	0.609
UL	0.625	0.625	0.625	0.625	0.625	0.625

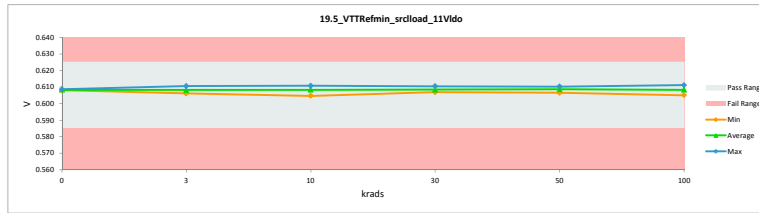


TID 100krad HDR Report
TPS7H3301-SP

19.5_VTTRefmin_srcload_11VId				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.609	0.608	0.001
3	A116_Biased	0.609	0.609	0.000
3	A117_Biased	0.608	0.608	0.000
3	B36_Biased	0.608	0.608	0.000
3	B37_Biased	0.609	0.609	0.000
3	C39_Biased	0.608	0.608	0.000
3	A118_Unbiased	0.610	0.611	0.000
3	A140_Unbiased	0.609	0.609	0.000
3	B38_Unbiased	0.609	0.609	0.000
3	B39_Unbiased	0.606	0.606	0.000
3	C40_Unbiased	0.607	0.607	0.000
10	A119_Biased	0.609	0.609	0.000
10	A120_Biased	0.610	0.611	0.000
10	B40_Biased	0.607	0.608	0.000
10	C41_Biased	0.609	0.609	0.000
10	C42_Biased	0.611	0.611	0.000
10	A121_Unbiased	0.607	0.607	0.000
10	A124_Unbiased	0.604	0.605	0.000
10	B41_Unbiased	0.610	0.610	0.000
10	C43_Unbiased	0.607	0.607	0.000
10	C44_Unbiased	0.607	0.607	0.000
30	A125_Biased	0.609	0.609	0.000
30	B42_Biased	0.607	0.607	0.000
30	B43_Biased	0.609	0.609	0.000
30	C45_Biased	0.610	0.610	0.000
30	C46_Biased	0.607	0.607	0.000
30	A127_Unbiased	0.609	0.609	0.000
30	B45_Unbiased	0.607	0.607	0.000
30	B47_Unbiased	0.610	0.610	0.000
30	C47_Unbiased	0.608	0.608	0.000
30	C50_Unbiased	0.607	0.608	0.000
50	A128_Biased	0.609	0.609	0.000
50	A129_Biased	0.610	0.610	0.000
50	B48_Biased	0.607	0.607	0.000
50	B49_Biased	0.609	0.609	0.000
50	C51_Biased	0.610	0.610	0.000
50	A130_Unbiased	0.606	0.607	0.000
50	A131_Unbiased	0.608	0.608	0.000
50	B50_Unbiased	0.608	0.608	0.000
50	B51_Unbiased	0.605	0.610	-0.005
50	C53_Unbiased	0.608	0.608	0.000
0	106_Corr	0.609	0.609	0.000
100	A132_Biased	0.608	0.609	-0.001
100	A134_Biased	0.607	0.608	-0.002
100	A135_Biased	0.608	0.608	0.000
100	B52_Biased	0.605	0.605	0.000
100	B54_Biased	0.607	0.607	0.000
100	B55_Biased	0.608	0.609	-0.001
100	B56_Biased	0.610	0.610	0.000
100	B57_Biased	0.610	0.610	0.000
100	B59_Biased	0.607	0.607	0.000
100	B62_Biased	0.609	0.609	0.000
100	B63_Biased	0.609	0.609	0.000
100	B64_Biased	0.611	0.610	0.000
100	B66_Biased	0.608	0.608	0.000
100	B68_Biased	0.608	0.609	0.000
100	C54_Biased	0.607	0.607	0.000
100	C55_Biased	0.608	0.608	0.000
100	C56_Biased	0.609	0.610	0.000
100	C57_Biased	0.609	0.609	0.000
100	C58_Biased	0.608	0.608	0.000
100	C59_Biased	0.609	0.610	0.000
100	C65_Biased	0.607	0.608	0.000
100	C67_Biased	0.609	0.609	0.000
100	A122_Unbiased	0.610	0.610	0.000
100	A138_Unbiased	0.609	0.609	0.000
100	A139_Unbiased	0.608	0.608	0.000
100	B60_Unbiased	0.607	0.611	-0.004
100	B61_Unbiased	0.609	0.609	0.000
100	B69_Unbiased	0.607	0.607	0.000
100	B70_Unbiased	0.609	0.609	0.000
100	B71_Unbiased	0.607	0.607	0.000
100	B72_Unbiased	0.608	0.608	0.000
100	B73_Unbiased	0.607	0.607	0.000
100	B74_Unbiased	0.607	0.606	0.000
100	B77_Unbiased	0.608	0.608	0.000
100	B78_Unbiased	0.608	0.608	0.000
100	B79_Unbiased	0.607	0.608	0.000
100	B80_Unbiased	0.608	0.608	0.000
100	C70_Unbiased	0.606	0.606	0.000
100	C71_Unbiased	0.609	0.609	0.000
100	C72_Unbiased	0.608	0.609	0.000
100	C73_Unbiased	0.607	0.607	0.000
100	C75_Unbiased	0.609	0.609	0.000
100	C76_Unbiased	0.611	0.611	0.000
100	C79_Unbiased	0.609	0.609	0.000
	Max	0.611	0.611	0.001
	Average	0.608	0.608	0.000
	Min	0.604	0.605	-0.005
	Std Dev	0.001	0.001	0.001

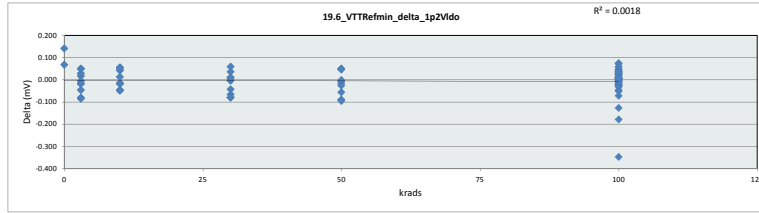


19.5_VTTRefmin_srcload_11V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.608	0.606	0.605	0.607	0.607	0.605
Average	0.608	0.608	0.608	0.608	0.609	0.608
Max	0.609	0.611	0.611	0.611	0.610	0.611
UL	0.625	0.625	0.625	0.625	0.625	0.625

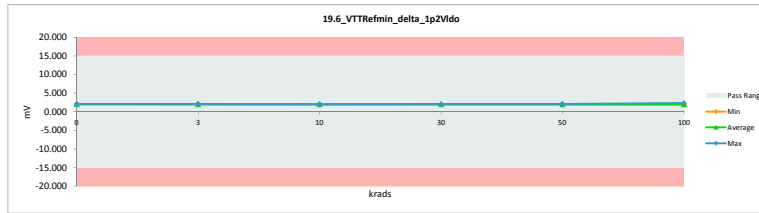


TID 100krad HDR Report
TPS7H3301-SP

19.6_VTTRefmin_delta_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.122	1.980	0.142
3	A116_Biased	2.070	2.085	-0.015
3	A117_Biased	1.953	1.936	0.017
3	B36_Biased	1.956	2.037	-0.081
3	B37_Biased	2.005	2.090	-0.085
3	C39_Biased	2.046	2.017	0.029
3	A118_Unbiased	1.923	1.927	-0.004
3	A140_Unbiased	2.122	2.071	0.051
3	B38_Unbiased	2.060	2.079	-0.019
3	B39_Unbiased	1.931	1.976	-0.045
3	C40_Unbiased	2.036	1.987	0.049
10	A119_Biased	1.983	2.032	-0.049
10	A120_Biased	1.950	1.968	-0.018
10	B40_Biased	1.995	2.040	-0.045
10	C41_Biased	2.098	2.042	0.056
10	C42_Biased	2.009	1.996	0.013
10	A121_Unbiased	1.915	1.930	-0.015
10	A124_Unbiased	1.973	2.020	-0.047
10	B41_Unbiased	2.003	2.018	-0.015
10	C43_Unbiased	2.035	1.993	0.042
10	C44_Unbiased	1.994	1.945	0.049
30	A125_Biased	1.989	2.070	-0.081
30	B42_Biased	2.026	2.069	-0.043
30	B43_Biased	1.970	2.036	-0.066
30	C45_Biased	2.015	1.979	0.036
30	C46_Biased	2.072	2.013	0.059
30	A127_Unbiased	1.951	2.030	-0.079
30	B45_Unbiased	1.991	1.995	-0.004
30	B47_Unbiased	2.027	2.026	0.001
30	C47_Unbiased	1.970	1.959	0.011
30	C50_Unbiased	2.053	2.010	0.043
50	A128_Biased	2.005	2.021	-0.016
50	A129_Biased	2.107	2.056	0.051
50	B48_Biased	1.928	2.017	-0.089
50	B49_Biased	2.068	2.064	-0.006
50	C51_Biased	2.074	2.079	-0.005
50	A130_Unbiased	1.968	1.994	-0.026
50	A131_Unbiased	1.975	1.976	-0.001
50	B50_Unbiased	1.939	2.033	-0.094
50	B51_Unbiased	2.094	2.047	0.047
50	C53_Unbiased	1.969	1.920	0.049
0	106_Corr	2.151	2.083	0.068
100	A132_Biased	1.923	2.102	-0.179
100	A134_Biased	1.973	2.320	-0.347
100	A135_Biased	1.885	2.011	-0.126
100	B52_Biased	2.105	2.107	-0.002
100	B54_Biased	1.955	1.979	-0.024
100	B55_Biased	1.984	2.056	-0.072
100	B56_Biased	2.071	2.087	-0.016
100	B57_Biased	2.028	2.053	-0.025
100	B59_Biased	2.044	2.075	-0.031
100	B62_Biased	2.031	1.958	0.073
100	B63_Biased	2.085	2.081	0.004
100	B64_Biased	2.094	2.065	0.029
100	B66_Biased	2.079	2.004	0.075
100	B68_Biased	2.080	2.071	0.009
100	C54_Biased	2.019	1.961	0.058
100	C55_Biased	1.961	2.007	-0.046
100	C56_Biased	2.100	2.076	0.024
100	C57_Biased	2.021	2.012	0.009
100	C58_Biased	1.982	1.951	0.031
100	C59_Biased	2.040	2.037	0.003
100	C65_Biased	1.972	1.968	0.004
100	C67_Biased	2.075	2.048	0.027
100	A122_Unbiased	2.031	2.039	-0.008
100	A138_Unbiased	2.026	2.048	-0.022
100	A139_Unbiased	1.883	1.935	-0.052
100	B60_Unbiased	2.057	2.071	-0.014
100	B61_Unbiased	2.064	2.088	-0.024
100	B69_Unbiased	2.057	2.033	0.024
100	B70_Unbiased	2.064	2.070	-0.006
100	B71_Unbiased	2.092	2.092	0.000
100	B72_Unbiased	2.060	2.021	0.039
100	B73_Unbiased	2.026	2.009	0.017
100	B74_Unbiased	2.086	2.039	0.047
100	B77_Unbiased	2.034	2.027	0.007
100	B78_Unbiased	2.024	1.964	0.060
100	B79_Unbiased	2.060	2.014	0.046
100	B80_Unbiased	2.047	2.012	0.035
100	C70_Unbiased	1.958	1.954	0.004
100	C71_Unbiased	2.089	2.080	0.009
100	C72_Unbiased	2.047	2.049	-0.002
100	C73_Unbiased	2.004	1.965	0.039
100	C75_Unbiased	2.130	2.138	-0.008
100	C76_Unbiased	2.013	1.978	0.035
100	C78_Unbiased	2.086	2.076	0.010
	Max	2.151	2.320	0.142
	Average	2.022	2.028	-0.006
	Min	1.883	1.920	-0.347
	Std Dev	0.059	0.058	0.062

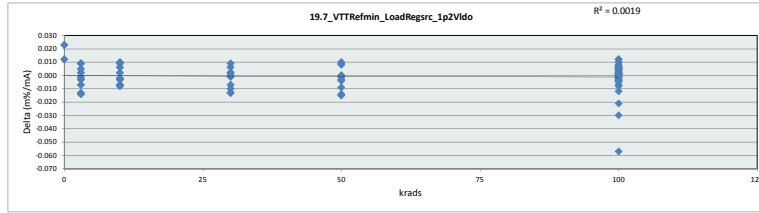


19.6_VTTRefmin_delta_1p2Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	LL	3	10	30	50	100
	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.980	1.927	1.930	1.959	1.920	1.935
Average	2.032	2.021	1.998	2.023	2.021	2.039
Max	2.083	2.090	2.042	2.070	2.079	2.320
UL	15.000	15.000	15.000	15.000	15.000	15.000

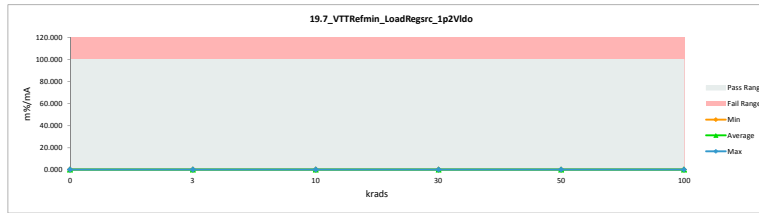


TID 100krad HDR Report
TPS7H3301-SP

19.7_VTTRefmin_LoadRegrsc_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.350	0.327	0.023
3	A116_Biased	0.341	0.344	-0.003
3	A117_Biased	0.322	0.320	0.002
3	B36_Biased	0.323	0.336	-0.013
3	B37_Biased	0.330	0.344	-0.014
3	C39_Biased	0.338	0.333	0.005
3	A118_Unbiased	0.316	0.317	-0.001
3	A140_Unbiased	0.350	0.341	0.009
3	B38_Unbiased	0.339	0.342	-0.003
3	B39_Unbiased	0.320	0.327	-0.007
3	C40_Unbiased	0.337	0.328	0.009
10	A119_Biased	0.327	0.334	-0.007
10	A120_Biased	0.320	0.323	-0.003
10	B40_Biased	0.330	0.337	-0.007
10	C41_Biased	0.346	0.336	0.010
10	C42_Biased	0.330	0.328	0.002
10	A121_Unbiased	0.317	0.319	-0.002
10	A124_Unbiased	0.327	0.335	-0.008
10	B41_Unbiased	0.329	0.332	-0.003
10	C43_Unbiased	0.336	0.330	0.006
10	C44_Unbiased	0.330	0.321	0.009
30	A125_Biased	0.328	0.341	-0.013
30	B42_Biased	0.335	0.342	-0.007
30	B43_Biased	0.325	0.335	-0.010
30	C45_Biased	0.331	0.325	0.006
30	C46_Biased	0.342	0.333	0.009
30	A127_Unbiased	0.322	0.338	-0.013
30	B45_Unbiased	0.329	0.330	-0.001
30	B47_Unbiased	0.333	0.333	0.000
30	C47_Unbiased	0.325	0.323	0.002
30	C50_Unbiased	0.341	0.339	0.002
50	A128_Biased	0.330	0.333	-0.003
50	A129_Biased	0.347	0.338	0.009
50	B48_Biased	0.319	0.333	-0.014
50	B49_Biased	0.331	0.340	-0.009
50	C51_Biased	0.341	0.342	-0.001
50	A130_Unbiased	0.326	0.330	-0.004
50	A131_Unbiased	0.326	0.326	0.000
50	B50_Unbiased	0.320	0.335	-0.015
50	B51_Unbiased	0.337	0.337	0.010
50	C53_Unbiased	0.325	0.317	0.008
0	106_Corr	0.355	0.343	0.012
100	A132_Biased	0.317	0.347	-0.030
100	A134_Biased	0.326	0.383	-0.057
100	A135_Biased	0.311	0.332	-0.021
100	B52_Biased	0.349	0.349	0.000
100	B54_Biased	0.323	0.327	-0.004
100	B55_Biased	0.327	0.339	-0.012
100	B56_Biased	0.341	0.343	-0.002
100	B57_Biased	0.334	0.338	-0.004
100	B59_Biased	0.338	0.343	-0.005
100	B62_Biased	0.335	0.323	0.012
100	B63_Biased	0.344	0.343	0.001
100	B64_Biased	0.344	0.339	0.005
100	B66_Biased	0.343	0.331	0.012
100	B68_Biased	0.343	0.341	0.002
100	C54_Biased	0.334	0.324	0.010
100	C55_Biased	0.324	0.331	-0.007
100	C56_Biased	0.346	0.342	0.004
100	C57_Biased	0.333	0.332	0.001
100	C58_Biased	0.327	0.322	0.005
100	C59_Biased	0.336	0.335	0.001
100	C65_Biased	0.326	0.325	0.001
100	C67_Biased	0.342	0.337	0.005
100	A122_Unbiased	0.334	0.335	-0.001
100	A138_Unbiased	0.334	0.337	-0.003
100	A139_Unbiased	0.311	0.319	-0.008
100	B60_Unbiased	0.340	0.340	0.000
100	B61_Unbiased	0.340	0.344	-0.004
100	B69_Unbiased	0.340	0.336	0.004
100	B70_Unbiased	0.340	0.341	-0.001
100	B71_Unbiased	0.346	0.344	0.002
100	B72_Unbiased	0.340	0.334	0.006
100	B73_Unbiased	0.335	0.332	0.003
100	B74_Unbiased	0.345	0.337	0.008
100	B77_Unbiased	0.336	0.335	0.001
100	B78_Unbiased	0.334	0.324	0.010
100	B79_Unbiased	0.340	0.333	0.007
100	B80_Unbiased	0.338	0.332	0.006
100	C70_Unbiased	0.324	0.324	0.000
100	C71_Unbiased	0.344	0.343	0.001
100	C72_Unbiased	0.338	0.338	0.000
100	C73_Unbiased	0.331	0.325	0.006
100	C75_Unbiased	0.351	0.352	-0.001
100	C76_Unbiased	0.331	0.325	0.006
100	C79_Unbiased	0.343	0.342	0.001
	Max	0.355	0.383	0.023
	Average	0.334	0.334	-0.001
	Min	0.311	0.317	-0.057
	Std Dev	0.010	0.009	0.010

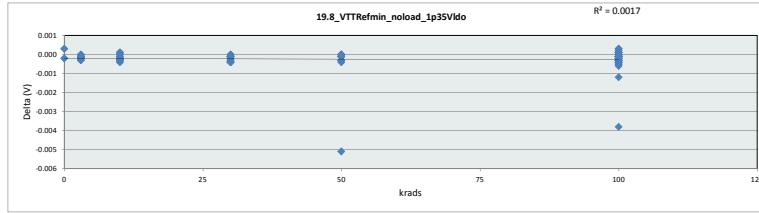


19.7_VTTRefmin_LoadRegrsc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.327	0.317	0.319	0.323	0.317	0.319
Average	0.335	0.333	0.330	0.334	0.333	0.336
Max	0.343	0.344	0.337	0.342	0.342	0.383
UL	100.000	100.000	100.000	100.000	100.000	100.000

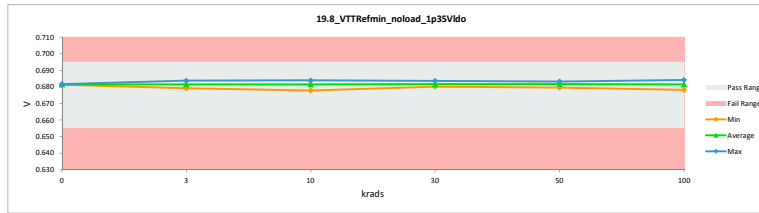


TID 100krad HDR Report
TPS7H3301-SP

19.8_VTTRefmin_noload_1p35V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.682	0.681	0.000
3	A116_Biased	0.682	0.682	0.000
3	A117_Biased	0.681	0.681	0.000
3	B36_Biased	0.681	0.681	0.000
3	B37_Biased	0.682	0.682	0.000
3	C39_Biased	0.681	0.681	0.000
3	A118_Unbiased	0.683	0.684	0.000
3	A140_Unbiased	0.682	0.682	0.000
3	B38_Unbiased	0.682	0.683	0.000
3	B39_Unbiased	0.679	0.679	0.000
3	C40_Unbiased	0.680	0.680	0.000
10	A119_Biased	0.682	0.683	0.000
10	A120_Biased	0.684	0.684	0.000
10	B40_Biased	0.680	0.681	0.000
10	C41_Biased	0.682	0.682	0.000
10	C42_Biased	0.684	0.684	0.000
10	A121_Unbiased	0.680	0.680	0.000
10	A124_Unbiased	0.678	0.678	0.000
10	B41_Unbiased	0.683	0.684	0.000
10	C43_Unbiased	0.680	0.680	0.000
10	C44_Unbiased	0.680	0.680	0.000
30	A125_Biased	0.682	0.682	0.000
30	B42_Biased	0.680	0.680	0.000
30	B43_Biased	0.682	0.682	0.000
30	C45_Biased	0.683	0.683	0.000
30	C46_Biased	0.680	0.680	0.000
30	A127_Unbiased	0.682	0.682	0.000
30	B45_Unbiased	0.680	0.680	0.000
30	B47_Unbiased	0.683	0.684	0.000
30	C47_Unbiased	0.681	0.681	0.000
30	C50_Unbiased	0.680	0.681	0.000
50	A128_Biased	0.682	0.682	0.000
50	A129_Biased	0.683	0.683	0.000
50	B48_Biased	0.680	0.680	0.000
50	B49_Biased	0.682	0.682	0.000
50	C51_Biased	0.683	0.683	0.000
50	A130_Unbiased	0.679	0.680	0.000
50	A131_Unbiased	0.681	0.681	0.000
50	B50_Unbiased	0.681	0.681	0.000
50	B51_Unbiased	0.678	-0.005	0.000
50	C53_Biased	0.681	0.681	0.000
0	106_Corr	0.682	0.682	0.000
100	A132_Biased	0.681	0.682	0.000
100	A134_Biased	0.680	0.681	-0.001
100	A135_Biased	0.681	0.681	0.000
100	B52_Biased	0.678	0.678	0.000
100	B54_Biased	0.680	0.680	0.000
100	B55_Biased	0.681	0.682	-0.001
100	B56_Biased	0.683	0.683	0.000
100	B57_Biased	0.683	0.683	0.000
100	B59_Biased	0.679	0.680	0.000
100	B62_Biased	0.682	0.682	0.000
100	B63_Biased	0.682	0.682	0.000
100	B64_Biased	0.684	0.683	0.000
100	B66_Biased	0.681	0.681	0.000
100	B68_Biased	0.681	0.682	0.000
100	C54_Biased	0.680	0.680	0.000
100	C55_Biased	0.681	0.682	0.000
100	C56_Biased	0.683	0.683	0.000
100	C57_Biased	0.682	0.682	0.000
100	C58_Biased	0.681	0.681	0.000
100	C59_Biased	0.683	0.683	0.000
100	C65_Biased	0.680	0.681	0.000
100	C67_Biased	0.682	0.682	0.000
100	A122_Unbiased	0.683	0.683	0.000
100	A138_Unbiased	0.682	0.682	0.000
100	A139_Unbiased	0.681	0.681	0.000
100	B60_Unbiased	0.680	0.684	-0.004
100	B61_Unbiased	0.682	0.682	0.000
100	B69_Unbiased	0.680	0.680	0.000
100	B70_Unbiased	0.682	0.682	0.000
100	B71_Unbiased	0.680	0.680	0.000
100	B72_Unbiased	0.681	0.681	0.000
100	B73_Unbiased	0.680	0.680	0.000
100	B74_Unbiased	0.679	0.679	0.000
100	B77_Unbiased	0.681	0.681	0.000
100	B78_Unbiased	0.681	0.681	0.000
100	B79_Unbiased	0.680	0.681	0.000
100	B80_Unbiased	0.681	0.681	0.000
100	C70_Unbiased	0.679	0.679	0.000
100	C71_Unbiased	0.682	0.682	0.000
100	C72_Unbiased	0.681	0.682	0.000
100	C73_Unbiased	0.680	0.680	0.000
100	C75_Unbiased	0.682	0.682	0.000
100	C76_Unbiased	0.684	0.684	0.000
100	C78_Unbiased	0.682	0.682	0.000
	Max	0.684	0.684	0.000
	Average	0.681	0.681	0.000
	Min	0.678	0.678	-0.005
	Std Dev	0.001	0.001	0.001

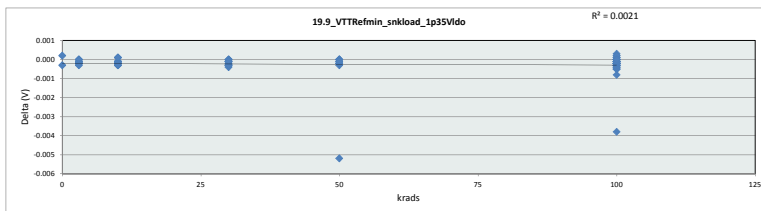


19.8_VTTRefmin_noload_1p35						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.681	0.679	0.678	0.680	0.680	0.678
Average	0.681	0.681	0.681	0.682	0.682	0.681
Max	0.682	0.684	0.684	0.684	0.683	0.684
UL	0.695	0.695	0.695	0.695	0.695	0.695

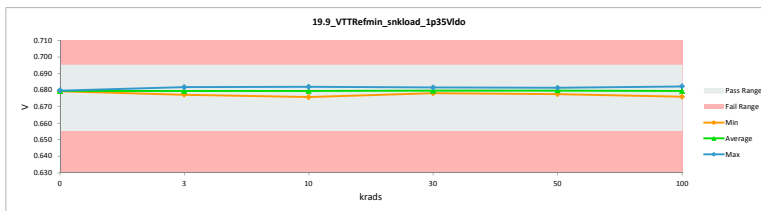


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19_9_VTTRefmin_snkload_1p35V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.679	0.679	0.000
3	A116_Biased	0.680	0.680	0.000
3	A117_Biased	0.679	0.679	0.000
3	B36_Biased	0.679	0.679	0.000
3	B37_Biased	0.680	0.680	0.000
3	C39_Biased	0.679	0.679	0.000
3	A118_Unbiased	0.682	0.682	0.000
3	A140_Unbiased	0.679	0.680	0.000
3	B38_Unbiased	0.680	0.680	0.000
3	B39_Unbiased	0.677	0.677	0.000
3	C40_Unbiased	0.678	0.678	0.000
10	A119_Biased	0.680	0.681	0.000
10	A120_Biased	0.678	0.682	0.000
10	B40_Biased	0.678	0.678	0.000
10	C41_Biased	0.680	0.680	0.000
10	C42_Biased	0.682	0.682	0.000
10	A121_Unbiased	0.678	0.678	0.000
10	A124_Unbiased	0.676	0.676	0.000
10	B41_Unbiased	0.681	0.682	0.000
10	C43_Unbiased	0.678	0.678	0.000
10	C44_Unbiased	0.678	0.678	0.000
30	A125_Biased	0.680	0.680	0.000
30	B42_Biased	0.678	0.678	0.000
30	B43_Biased	0.680	0.680	0.000
30	C45_Biased	0.681	0.682	0.000
30	C46_Biased	0.678	0.678	0.000
30	A127_Unbiased	0.680	0.680	0.000
30	B45_Unbiased	0.678	0.678	0.000
30	B47_Unbiased	0.682	0.682	0.000
30	C47_Unbiased	0.679	0.679	0.000
30	C50_Unbiased	0.678	0.678	0.000
50	A128_Biased	0.680	0.680	0.000
50	A129_Biased	0.681	0.681	0.000
50	B48_Biased	0.678	0.678	0.000
50	B49_Biased	0.680	0.680	0.000
50	C51_Biased	0.681	0.681	0.000
50	A130_Unbiased	0.677	0.678	0.000
50	A131_Unbiased	0.679	0.679	0.000
50	B50_Unbiased	0.679	0.679	0.000
50	B51_Unbiased	0.676	-0.005	0.000
50	C53_Unbiased	0.679	0.679	0.000
0	106_Corr	0.679	0.680	0.000
100	A132_Biased	0.679	0.680	-0.001
100	A134_Biased	0.678	0.679	-0.001
100	A135_Biased	0.679	0.679	0.000
100	B52_Biased	0.676	0.676	0.000
100	B54_Biased	0.678	0.678	0.000
100	B55_Biased	0.679	0.680	-0.001
100	B56_Biased	0.681	0.681	0.000
100	B57_Biased	0.681	0.681	0.000
100	B59_Biased	0.677	0.678	0.000
100	B62_Biased	0.680	0.680	0.000
100	B63_Biased	0.679	0.680	0.000
100	B64_Biased	0.682	0.682	0.000
100	B66_Biased	0.679	0.679	0.000
100	B68_Biased	0.679	0.680	0.000
100	C54_Biased	0.678	0.678	0.000
100	C55_Biased	0.679	0.679	0.000
100	C56_Biased	0.680	0.681	0.000
100	C57_Biased	0.679	0.680	0.000
100	C58_Biased	0.679	0.679	0.000
100	C59_Biased	0.681	0.681	0.000
100	C65_Biased	0.678	0.679	0.000
100	C67_Biased	0.680	0.680	0.000
100	A122_Unbiased	0.681	0.681	0.000
100	A138_Unbiased	0.680	0.680	0.000
100	A139_Unbiased	0.679	0.679	0.000
100	B60_Unbiased	0.678	0.682	-0.004
100	B61_Unbiased	0.680	0.680	0.000
100	B69_Unbiased	0.678	0.678	0.000
100	B70_Unbiased	0.680	0.680	0.000
100	B71_Unbiased	0.678	0.678	0.000
100	B72_Unbiased	0.679	0.679	0.000
100	B73_Unbiased	0.678	0.678	0.000
100	B74_Unbiased	0.677	0.677	0.000
100	B77_Unbiased	0.679	0.679	0.000
100	B78_Unbiased	0.679	0.679	0.000
100	B79_Unbiased	0.678	0.679	0.000
100	B80_Unbiased	0.679	0.679	0.000
100	C70_Unbiased	0.677	0.677	0.000
100	C71_Unbiased	0.680	0.680	0.000
100	C72_Unbiased	0.679	0.679	0.000
100	C73_Unbiased	0.678	0.678	0.000
100	C75_Unbiased	0.679	0.680	0.000
100	C76_Unbiased	0.682	0.682	0.000
100	C79_Unbiased	0.680	0.680	0.000
	Max	0.682	0.682	0.000
	Average	0.679	0.679	0.000
	Min	0.676	0.676	-0.005
	Std Dev	0.001	0.001	0.001

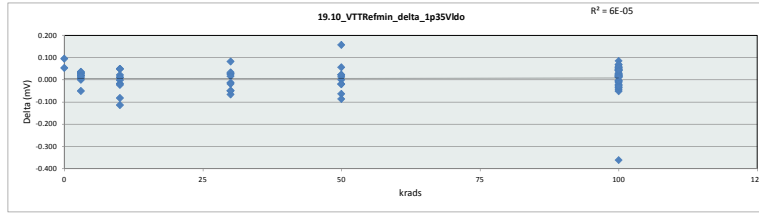


19_9_VTTRefmin_snkload_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.679	0.677	0.676	0.678	0.678	0.676
Average	0.679	0.679	0.679	0.680	0.680	0.679
Max	0.680	0.682	0.682	0.682	0.681	0.682
UL	0.695	0.695	0.695	0.695	0.695	0.695

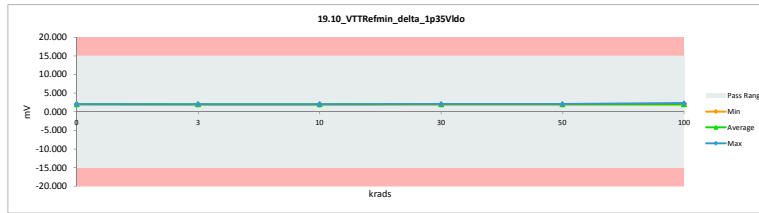


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19_10_VTTRefmin_delta_1p35Vic				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.056	2.002	0.054
3	A116_Biased	2.029	2.003	0.026
3	A117_Biased	1.956	1.922	0.034
3	B36_Biased	2.029	2.010	0.019
3	B37_Biased	1.983	1.983	0.000
3	C39_Biased	2.082	2.053	0.029
3	A118_Unbiased	1.936	1.927	0.009
3	A140_Unbiased	2.056	2.019	0.037
3	B38_Unbiased	2.060	2.041	0.019
3	B39_Unbiased	1.989	2.039	-0.050
3	C40_Unbiased	2.058	2.040	0.018
10	A119_Biased	1.974	1.991	-0.017
10	A120_Biased	1.947	1.967	-0.020
10	B40_Biased	2.007	2.030	-0.023
10	C41_Biased	2.092	2.043	0.049
10	C42_Biased	2.038	1.989	0.049
10	A121_Unbiased	1.885	1.967	-0.082
10	A124_Unbiased	1.927	2.041	-0.114
10	B41_Unbiased	2.027	2.005	0.022
10	C43_Unbiased	2.054	2.044	0.010
10	C44_Unbiased	1.986	1.974	0.012
30	A125_Biased	1.943	1.955	-0.012
30	B42_Biased	2.014	2.064	-0.050
30	B43_Biased	1.926	1.992	-0.066
30	C45_Biased	2.049	1.967	0.082
30	C46_Biased	2.060	2.034	0.026
30	A127_Unbiased	1.913	1.931	-0.018
30	B45_Unbiased	1.984	2.033	-0.049
30	B47_Unbiased	2.037	2.010	0.027
30	C47_Unbiased	2.036	2.003	0.033
30	C50_Unbiased	2.040	2.016	0.024
50	A128_Biased	2.006	2.006	0.000
50	A129_Biased	2.074	2.060	0.014
50	B48_Biased	1.943	2.006	-0.063
50	B49_Biased	1.964	2.044	-0.080
50	C51_Biased	2.048	2.026	0.022
50	A130_Unbiased	2.015	2.034	-0.019
50	A131_Unbiased	1.984	1.961	0.023
50	B50_Unbiased	1.974	1.994	-0.020
50	B51_Unbiased	1.928	1.970	0.042
50	C53_Unbiased	2.023	1.966	0.057
0	106_Corr	2.098	2.003	0.095
100	A132_Biased	1.977	2.018	-0.041
100	A134_Biased	1.952	2.314	-0.362
100	A135_Biased	1.934	1.986	-0.052
100	B52_Biased	2.139	2.146	-0.007
100	B54_Biased	1.954	1.988	-0.034
100	B55_Biased	1.942	1.967	-0.025
100	B56_Biased	2.050	2.027	0.023
100	B57_Biased	1.991	2.037	-0.046
100	B59_Biased	2.104	2.126	-0.022
100	B62_Biased	1.986	1.974	0.012
100	B63_Biased	2.044	2.016	0.028
100	B64_Biased	2.103	2.047	0.056
100	B66_Biased	2.053	2.034	0.019
100	B68_Biased	2.037	1.976	0.061
100	C54_Biased	1.998	1.982	0.016
100	C55_Biased	2.003	1.973	0.030
100	C56_Biased	2.048	2.027	0.021
100	C57_Biased	1.978	1.910	0.068
100	C58_Biased	2.035	1.990	0.045
100	C59_Biased	2.025	2.000	0.025
100	C65_Biased	1.981	1.938	0.043
100	C67_Biased	2.050	2.024	0.026
100	A122_Unbiased	2.018	2.029	-0.011
100	A138_Unbiased	2.011	2.031	-0.020
100	A139_Unbiased	1.929	1.963	-0.034
100	B60_Unbiased	2.048	1.996	0.052
100	B61_Unbiased	2.026	1.983	0.043
100	B69_Unbiased	2.048	2.035	0.013
100	B70_Unbiased	2.026	2.010	0.016
100	B71_Unbiased	2.075	2.080	-0.005
100	B72_Unbiased	2.072	1.986	0.086
100	B73_Unbiased	2.027	2.055	-0.028
100	B74_Unbiased	2.130	2.077	0.053
100	B77_Unbiased	2.046	2.030	0.016
100	B78_Unbiased	2.036	1.990	0.046
100	B79_Unbiased	2.054	2.006	0.048
100	B80_Unbiased	2.065	1.995	0.070
100	C70_Unbiased	2.029	2.031	-0.002
100	C71_Unbiased	2.041	1.985	0.056
100	C72_Unbiased	2.007	2.011	-0.004
100	C73_Unbiased	2.005	1.985	0.020
100	C75_Unbiased	2.087	2.068	0.019
100	C76_Unbiased	2.017	1.975	0.042
100	C79_Unbiased	2.062	2.062	0.000
	Max	2.139	2.314	0.158
	Average	2.020	2.012	0.008
	Min	1.885	1.910	-0.362
	Std Dev	0.052	0.052	0.059

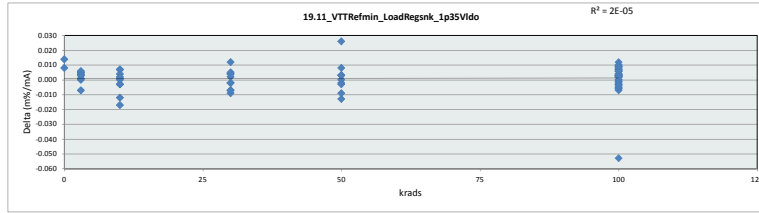


19_10_VTTRefmin_delta_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	2.002	1.922	1.967	1.931	1.961	1.910
Average	2.003	2.004	2.005	2.003	2.007	2.020
Max	2.003	2.053	2.044	2.064	2.060	2.314
UL	15.000	15.000	15.000	15.000	15.000	15.000

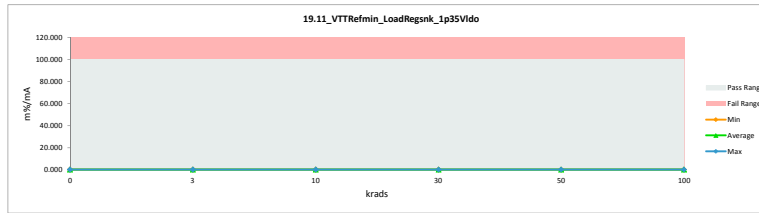


TID 100k HDR Report
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19_11_VTTRefmin_LoadReqsnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.302	0.294	0.008
3	A116_Biased	0.298	0.294	0.004
3	A117_Biased	0.287	0.282	0.005
3	B36_Biased	0.298	0.295	0.003
3	B37_Biased	0.291	0.291	0.000
3	C39_Biased	0.306	0.301	0.005
3	A118_Unbiased	0.283	0.282	0.001
3	A140_Unbiased	0.302	0.296	0.006
3	B38_Unbiased	0.302	0.299	0.003
3	B39_Unbiased	0.293	0.300	-0.007
3	C40_Unbiased	0.303	0.300	0.003
10	A119_Biased	0.289	0.292	-0.003
10	A120_Biased	0.288	0.288	0.000
10	B40_Biased	0.295	0.298	-0.003
10	C41_Biased	0.307	0.300	0.007
10	C42_Biased	0.298	0.291	0.007
10	A121_Unbiased	0.277	0.289	-0.012
10	A124_Unbiased	0.284	0.301	-0.017
10	B41_Unbiased	0.297	0.293	0.004
10	C43_Unbiased	0.302	0.301	0.001
10	C44_Unbiased	0.292	0.290	0.002
30	A125_Biased	0.285	0.287	-0.002
30	B42_Biased	0.296	0.303	-0.007
30	B43_Biased	0.283	0.292	-0.009
30	C45_Biased	0.300	0.288	0.012
30	C46_Biased	0.303	0.299	0.004
30	A127_Unbiased	0.281	0.283	-0.002
30	B45_Unbiased	0.292	0.299	-0.007
30	B47_Unbiased	0.298	0.294	0.004
30	C47_Unbiased	0.299	0.294	0.005
30	C50_Unbiased	0.302	0.300	0.002
50	A128_Biased	0.294	0.294	0.000
50	A129_Biased	0.304	0.301	0.003
50	B48_Biased	0.286	0.295	-0.009
50	B49_Biased	0.287	0.300	-0.013
50	C51_Biased	0.300	0.297	0.003
50	A130_Unbiased	0.297	0.299	-0.002
50	A131_Unbiased	0.291	0.288	0.003
50	B50_Unbiased	0.290	0.293	-0.003
50	B51_Unbiased	0.314	0.286	0.026
50	C53_Unbiased	0.297	0.289	0.008
0	106_Corr	0.308	0.294	0.014
100	A132_Biased	0.290	0.296	-0.006
100	A134_Biased	0.287	0.340	-0.053
100	A135_Biased	0.284	0.297	-0.013
100	B52_Biased	0.315	0.316	-0.001
100	B54_Biased	0.287	0.292	-0.005
100	B55_Biased	0.285	0.288	-0.003
100	B56_Biased	0.300	0.297	0.003
100	B57_Biased	0.292	0.298	-0.006
100	B59_Biased	0.310	0.313	-0.003
100	B62_Biased	0.291	0.289	0.002
100	B63_Biased	0.300	0.296	0.004
100	B64_Biased	0.308	0.299	0.009
100	B66_Biased	0.301	0.299	0.002
100	B68_Biased	0.299	0.290	0.009
100	C54_Biased	0.294	0.291	0.003
100	C55_Biased	0.294	0.290	0.004
100	C56_Biased	0.303	0.297	0.006
100	C57_Biased	0.290	0.280	0.010
100	C58_Biased	0.299	0.292	0.007
100	C59_Biased	0.297	0.293	0.004
100	C65_Biased	0.291	0.285	0.006
100	C67_Biased	0.300	0.297	0.003
100	A122_Unbiased	0.295	0.297	-0.002
100	A138_Unbiased	0.295	0.298	-0.003
100	A139_Unbiased	0.283	0.288	-0.005
100	B60_Unbiased	0.301	0.292	0.009
100	B61_Unbiased	0.297	0.291	0.006
100	B69_Unbiased	0.301	0.299	0.002
100	B70_Unbiased	0.297	0.295	0.002
100	B71_Unbiased	0.305	0.306	-0.001
100	B72_Unbiased	0.304	0.292	0.012
100	B73_Unbiased	0.298	0.302	-0.004
100	B74_Unbiased	0.314	0.306	0.008
100	B77_Unbiased	0.301	0.298	0.003
100	B78_Unbiased	0.299	0.299	0.000
100	B79_Unbiased	0.302	0.295	0.007
100	B80_Unbiased	0.303	0.293	0.010
100	C70_Unbiased	0.299	0.299	0.000
100	C71_Unbiased	0.299	0.291	0.008
100	C72_Unbiased	0.295	0.295	0.000
100	C73_Unbiased	0.295	0.292	0.003
100	C75_Unbiased	0.306	0.303	0.003
100	C76_Unbiased	0.295	0.289	0.006
100	C79_Unbiased	0.302	0.302	0.000
	Max	0.315	0.340	0.026
	Average	0.297	0.295	0.001
	Min	0.277	0.280	-0.053
	Std Dev	0.008	0.008	0.009



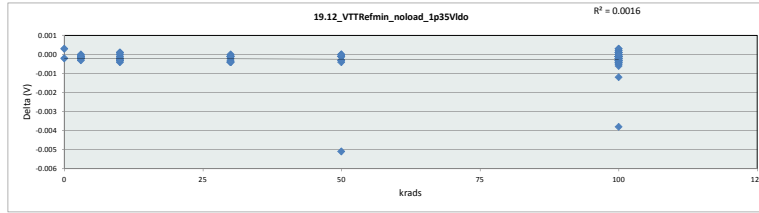
19_11_VTTRefmin_LoadReqsnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	10	30	50	100	
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.294	0.282	0.288	0.283	0.288	0.280
Average	0.294	0.294	0.294	0.294	0.294	0.296
Max	0.294	0.301	0.301	0.303	0.301	0.340
UL	100.000	100.000	100.000	100.000	100.000	100.000



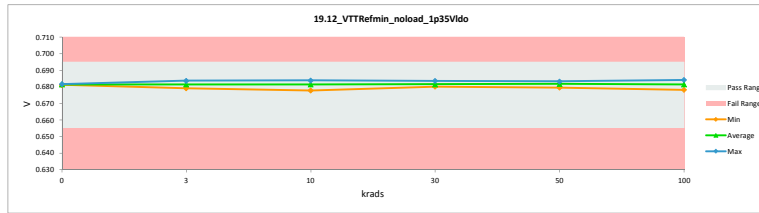
TID 100krad HDR Report
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19_12_VTTRefmin_noload_1p35V			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.695	0.695	
Min Limit	0.655	0.655	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.682	0.681	0.000
3	A116_Biased	0.682	0.682	0.000
3	A117_Biased	0.681	0.681	0.000
3	B36_Biased	0.681	0.681	0.000
3	B37_Biased	0.682	0.682	0.000
3	C39_Biased	0.681	0.681	0.000
3	A118_Unbiased	0.683	0.684	0.000
3	A140_Unbiased	0.682	0.682	0.000
3	B38_Unbiased	0.682	0.683	0.000
3	B39_Unbiased	0.679	0.679	0.000
3	C40_Unbiased	0.680	0.680	0.000
10	A119_Biased	0.682	0.683	0.000
10	A120_Biased	0.684	0.684	0.000
10	B40_Biased	0.680	0.681	0.000
10	C41_Biased	0.682	0.682	0.000
10	C42_Biased	0.684	0.684	0.000
10	A121_Unbiased	0.680	0.680	0.000
10	A124_Unbiased	0.678	0.678	0.000
10	B41_Unbiased	0.683	0.684	0.000
10	C43_Unbiased	0.680	0.680	0.000
10	C44_Unbiased	0.680	0.680	0.000
30	A125_Biased	0.682	0.682	0.000
30	B42_Biased	0.680	0.680	0.000
30	B43_Biased	0.682	0.682	0.000
30	C45_Biased	0.683	0.683	0.000
30	C46_Biased	0.680	0.680	0.000
30	A127_Unbiased	0.682	0.682	0.000
30	B45_Unbiased	0.680	0.680	0.000
30	B47_Unbiased	0.683	0.684	0.000
30	C47_Unbiased	0.681	0.681	0.000
30	C50_Unbiased	0.680	0.681	0.000
50	A128_Biased	0.682	0.682	0.000
50	A129_Biased	0.683	0.683	0.000
50	B48_Biased	0.680	0.680	0.000
50	B49_Biased	0.682	0.682	0.000
50	C51_Biased	0.683	0.683	0.000
50	A130_Unbiased	0.679	0.680	0.000
50	A131_Unbiased	0.681	0.681	0.000
50	B50_Unbiased	0.681	0.681	0.000
50	B51_Unbiased	0.678	-0.005	0.000
50	C53_Unbiased	0.681	0.681	0.000
0	106_Corr	0.682	0.682	0.000
100	A132_Biased	0.681	0.682	0.000
100	A134_Biased	0.680	0.681	-0.001
100	A135_Biased	0.681	0.681	0.000
100	B52_Biased	0.678	0.678	0.000
100	B54_Biased	0.680	0.680	0.000
100	B55_Biased	0.681	0.682	-0.001
100	B56_Biased	0.683	0.683	0.000
100	B57_Biased	0.683	0.683	0.000
100	B59_Biased	0.679	0.680	0.000
100	B62_Biased	0.682	0.682	0.000
100	B63_Biased	0.682	0.682	0.000
100	B64_Biased	0.684	0.683	0.000
100	B66_Biased	0.681	0.681	0.000
100	B68_Biased	0.681	0.682	0.000
100	C54_Biased	0.680	0.680	0.000
100	C55_Biased	0.681	0.682	0.000
100	C56_Biased	0.683	0.683	0.000
100	C57_Biased	0.682	0.682	0.000
100	C58_Biased	0.681	0.681	0.000
100	C59_Biased	0.683	0.683	0.000
100	C65_Biased	0.680	0.681	0.000
100	C67_Biased	0.682	0.682	0.000
100	A122_Unbiased	0.683	0.683	0.000
100	A138_Unbiased	0.682	0.682	0.000
100	A139_Unbiased	0.681	0.681	0.000
100	B60_Unbiased	0.680	0.684	-0.004
100	B61_Unbiased	0.682	0.682	0.000
100	B69_Unbiased	0.680	0.680	0.000
100	B70_Unbiased	0.682	0.682	0.000
100	B71_Unbiased	0.680	0.680	0.000
100	B72_Unbiased	0.681	0.681	0.000
100	B73_Unbiased	0.680	0.679	0.000
100	B74_Unbiased	0.679	0.679	0.000
100	B77_Unbiased	0.681	0.681	0.000
100	B78_Unbiased	0.681	0.681	0.000
100	B79_Unbiased	0.680	0.681	0.000
100	B80_Unbiased	0.681	0.681	0.000
100	C70_Unbiased	0.679	0.679	0.000
100	C71_Unbiased	0.682	0.682	0.000
100	C72_Unbiased	0.681	0.682	0.000
100	C73_Unbiased	0.680	0.680	0.000
100	C75_Unbiased	0.682	0.682	0.000
100	C76_Unbiased	0.684	0.684	0.000
100	C78_Unbiased	0.682	0.682	0.000
	Max	0.684	0.684	0.000
	Average	0.681	0.681	0.000
	Min	0.678	0.678	-0.005
	Std Dev	0.001	0.001	0.001

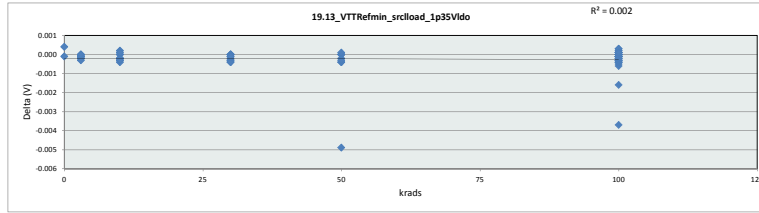


19_12_VTTRefmin_noload_1p3						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695		V			
Min Limit	0.655		V			
krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.681	0.679	0.678	0.680	0.680	0.678
Average	0.681	0.681	0.681	0.682	0.682	0.681
Max	0.682	0.684	0.684	0.684	0.683	0.684
UL	0.695	0.695	0.695	0.695	0.695	0.695

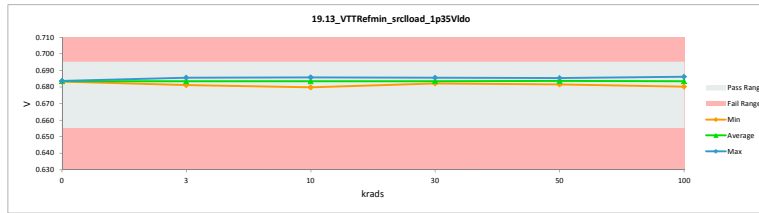


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19_13_VTTRefmin_srcload_1p35				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.684	0.683	0.000
3	A116_Biased	0.684	0.684	0.000
3	A117_Biased	0.683	0.683	0.000
3	B36_Biased	0.683	0.683	0.000
3	B37_Biased	0.684	0.684	0.000
3	C39_Biased	0.683	0.683	0.000
3	A118_Unbiased	0.686	0.686	0.000
3	A140_Unbiased	0.684	0.684	0.000
3	B38_Unbiased	0.684	0.684	0.000
3	B39_Unbiased	0.681	0.681	0.000
3	C40_Unbiased	0.682	0.682	0.000
10	A119_Biased	0.684	0.684	0.000
10	A120_Biased	0.684	0.684	0.000
10	B40_Biased	0.682	0.683	0.000
10	C41_Biased	0.684	0.684	0.000
10	C42_Biased	0.686	0.686	0.000
10	A121_Unbiased	0.682	0.682	0.000
10	A124_Unbiased	0.680	0.680	0.000
10	B41_Unbiased	0.685	0.686	0.000
10	C43_Unbiased	0.682	0.682	0.000
10	C44_Unbiased	0.682	0.682	0.000
30	A125_Biased	0.684	0.684	0.000
30	B42_Biased	0.682	0.683	0.000
30	B43_Biased	0.684	0.684	0.000
30	C45_Biased	0.686	0.686	0.000
30	C46_Biased	0.682	0.682	0.000
30	A127_Unbiased	0.683	0.684	0.000
30	B45_Unbiased	0.682	0.682	0.000
30	B47_Unbiased	0.686	0.686	0.000
30	C47_Unbiased	0.683	0.683	0.000
30	C50_Unbiased	0.683	0.683	0.000
50	A128_Biased	0.684	0.684	0.000
50	A129_Biased	0.685	0.685	0.000
50	B48_Biased	0.682	0.683	0.000
50	B49_Biased	0.684	0.684	0.000
50	C51_Biased	0.685	0.685	0.000
50	A130_Unbiased	0.681	0.682	0.000
50	A131_Unbiased	0.683	0.683	0.000
50	B50_Unbiased	0.683	0.683	0.000
50	B51_Unbiased	0.685	-0.005	0.000
50	C53_Unbiased	0.683	0.683	0.000
0	106_Corr	0.684	0.684	0.000
100	A132_Biased	0.683	0.684	-0.001
100	A134_Biased	0.682	0.683	-0.002
100	A135_Biased	0.683	0.683	0.000
100	B52_Biased	0.680	0.680	0.000
100	B54_Biased	0.682	0.683	0.000
100	B55_Biased	0.683	0.684	-0.001
100	B56_Biased	0.685	0.685	0.000
100	B57_Biased	0.685	0.685	0.000
100	B59_Biased	0.682	0.682	0.000
100	B62_Biased	0.684	0.684	0.000
100	B63_Biased	0.684	0.684	0.000
100	B64_Biased	0.686	0.686	0.000
100	B66_Biased	0.683	0.683	0.000
100	B68_Biased	0.683	0.684	0.000
100	C54_Biased	0.682	0.682	0.000
100	C55_Biased	0.683	0.683	0.000
100	C56_Biased	0.685	0.685	0.000
100	C57_Biased	0.683	0.684	0.000
100	C58_Biased	0.683	0.683	0.000
100	C59_Biased	0.685	0.685	0.000
100	C65_Biased	0.683	0.683	0.000
100	C67_Biased	0.684	0.684	0.000
100	A122_Unbiased	0.685	0.686	0.000
100	A138_Unbiased	0.684	0.684	0.000
100	A139_Unbiased	0.683	0.683	0.000
100	B60_Unbiased	0.683	0.686	-0.004
100	B61_Unbiased	0.684	0.684	0.000
100	B69_Unbiased	0.683	0.682	0.000
100	B70_Unbiased	0.684	0.684	0.000
100	B71_Unbiased	0.682	0.682	0.000
100	B72_Unbiased	0.683	0.683	0.000
100	B73_Unbiased	0.682	0.682	0.000
100	B74_Unbiased	0.682	0.682	0.000
100	B77_Unbiased	0.683	0.683	0.000
100	B78_Unbiased	0.683	0.683	0.000
100	B79_Unbiased	0.683	0.683	0.000
100	B80_Unbiased	0.683	0.683	0.000
100	C70_Unbiased	0.681	0.681	0.000
100	C71_Unbiased	0.684	0.684	0.000
100	C72_Unbiased	0.683	0.683	0.000
100	C73_Unbiased	0.682	0.682	0.000
100	C75_Unbiased	0.684	0.684	0.000
100	C76_Unbiased	0.686	0.686	0.000
100	C79_Unbiased	0.684	0.684	0.000
	Max	0.686	0.686	0.000
	Average	0.683	0.683	0.000
	Min	0.680	0.680	-0.005
	Std Dev	0.001	0.001	0.001

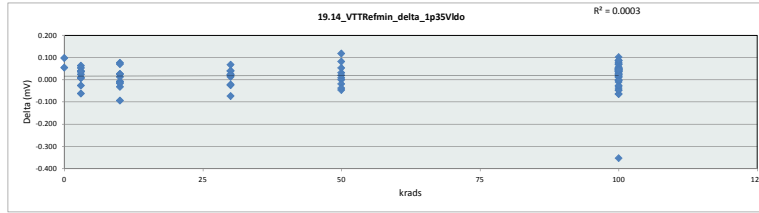


19_13_VTTRefmin_srcload_1p35						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.683	0.681	0.680	0.682	0.682	0.680
Average	0.683	0.683	0.683	0.684	0.684	0.683
Max	0.684	0.686	0.686	0.686	0.685	0.686
UL	0.695	0.695	0.695	0.695	0.695	0.695

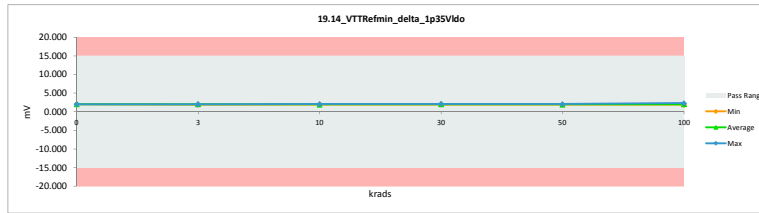


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19_14_VTTRefmin_delta_1p35Vic				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.053	1.998	0.055
3	A116_Biased	2.061	1.997	0.064
3	A117_Biased	1.978	1.967	0.011
3	B36_Biased	2.037	2.012	0.025
3	B37_Biased	2.026	2.019	0.007
3	C39_Biased	2.097	2.043	0.054
3	A118_Unbiased	1.911	1.937	-0.026
3	A140_Unbiased	2.053	2.013	0.040
3	B38_Unbiased	2.044	2.004	0.040
3	B39_Unbiased	1.925	1.986	-0.061
3	C40_Unbiased	2.082	2.045	0.037
10	A119_Biased	1.926	1.935	-0.009
10	A120_Biased	1.931	1.962	-0.031
10	B40_Biased	2.046	2.053	-0.007
10	C41_Biased	2.058	1.981	0.077
10	C42_Biased	2.016	1.990	0.026
10	A121_Unbiased	1.994	1.997	-0.003
10	A124_Unbiased	2.043	2.029	0.014
10	B41_Unbiased	1.983	1.998	-0.015
10	C43_Unbiased	2.032	1.961	0.071
10	C44_Unbiased	2.029	2.003	0.026
30	A125_Biased	2.021	1.970	0.051
30	B42_Biased	2.064	2.088	-0.024
30	B43_Biased	1.979	1.911	0.068
30	C45_Biased	2.001	1.982	0.019
30	C46_Biased	2.100	2.061	0.039
30	A127_Unbiased	1.945	1.920	0.025
30	B45_Unbiased	1.983	2.056	-0.073
30	B47_Unbiased	2.007	2.028	-0.021
30	C47_Unbiased	2.037	1.996	0.041
30	C50_Unbiased	2.024	2.070	-0.046
50	A128_Biased	1.968	1.967	0.001
50	A129_Biased	2.035	2.054	-0.019
50	B48_Biased	1.981	2.026	-0.045
50	B49_Biased	2.007	1.975	0.032
50	C51_Biased	2.047	1.993	0.054
50	A130_Unbiased	1.960	1.997	-0.037
50	A131_Unbiased	1.997	1.988	0.009
50	B50_Unbiased	2.013	1.992	0.021
50	B51_Unbiased	2.061	1.942	0.119
50	C53_Unbiased	2.040	1.958	0.082
0	106_Corr	2.105	2.007	0.098
100	A132_Biased	2.000	2.029	-0.029
100	A134_Biased	1.956	2.309	-0.353
100	A135_Biased	1.929	1.992	-0.063
100	B52_Biased	2.069	2.071	-0.002
100	B54_Biased	1.993	2.002	-0.009
100	B55_Biased	1.985	1.962	0.023
100	B56_Biased	2.024	2.012	0.012
100	B57_Biased	2.000	2.037	-0.037
100	B59_Biased	2.046	2.093	-0.047
100	B62_Biased	1.997	1.895	0.102
100	B63_Biased	2.096	2.011	0.085
100	B64_Biased	2.084	2.045	0.039
100	B66_Biased	2.084	2.009	0.075
100	B68_Biased	2.065	1.988	0.077
100	C54_Biased	2.058	2.020	0.038
100	C55_Biased	2.029	1.980	0.049
100	C56_Biased	2.057	1.988	0.069
100	C57_Biased	2.009	1.958	0.051
100	C58_Biased	2.032	1.982	0.050
100	C59_Biased	2.022	1.952	0.070
100	C65_Biased	2.001	1.936	0.065
100	C67_Biased	2.017	1.976	0.041
100	A122_Unbiased	1.962	2.027	-0.065
100	A138_Unbiased	1.945	1.990	-0.045
100	A139_Unbiased	1.930	1.955	-0.025
100	B60_Unbiased	2.086	2.086	0.000
100	B61_Unbiased	2.068	1.981	0.087
100	B69_Unbiased	2.086	2.066	0.020
100	B70_Unbiased	2.068	2.016	0.052
100	B71_Unbiased	2.123	2.095	0.028
100	B72_Unbiased	2.098	2.042	0.056
100	B73_Unbiased	2.013	2.000	0.013
100	B74_Unbiased	2.068	2.032	0.036
100	B77_Unbiased	2.062	2.062	0.000
100	B78_Unbiased	2.050	1.994	0.056
100	B79_Unbiased	2.081	2.034	0.047
100	B80_Unbiased	2.076	2.033	0.043
100	C70_Unbiased	1.978	1.932	0.046
100	C71_Unbiased	2.069	1.980	0.089
100	C72_Unbiased	2.046	2.006	0.040
100	C73_Unbiased	2.005	2.008	-0.003
100	C75_Unbiased	1.120	2.072	0.048
100	C76_Unbiased	1.998	1.974	0.024
100	C79_Unbiased	2.041	1.927	0.114
	Max	2.123	2.309	0.119
	Average	2.025	2.006	0.019
	Min	1.894	1.895	-0.353
	Std Dev	0.052	0.053	0.059

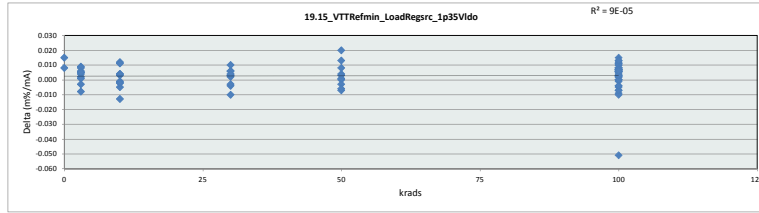


19_14_VTTRefmin_delta_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.998	1.937	1.935	1.911	1.942	1.895
Average	2.003	2.002	1.990	2.008	1.989	2.015
Max	2.007	2.045	2.053	2.088	2.054	2.309
UL	15.000	15.000	15.000	15.000	15.000	15.000

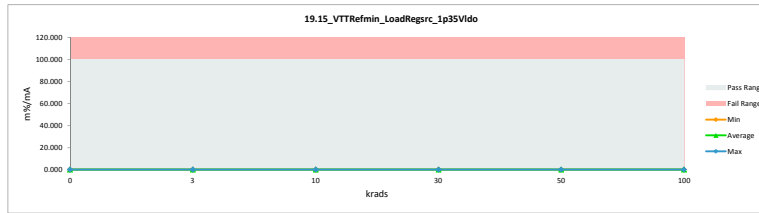


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19_15_VTTRefmin_LoadRegrsc_1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.301	0.293	0.008
3	A116_Biased	0.302	0.293	0.009
3	A117_Biased	0.291	0.289	0.002
3	B36_Biased	0.299	0.295	0.004
3	B37_Biased	0.297	0.296	0.001
3	C39_Biased	0.308	0.300	0.008
3	A118_Unbiased	0.280	0.283	-0.003
3	A140_Unbiased	0.301	0.295	0.006
3	B38_Unbiased	0.299	0.294	0.005
3	B39_Unbiased	0.284	0.292	-0.008
3	C40_Unbiased	0.306	0.301	0.005
10	A119_Biased	0.282	0.284	-0.002
10	A120_Biased	0.292	0.287	-0.005
10	B40_Biased	0.301	0.302	-0.001
10	C41_Biased	0.302	0.290	0.012
10	C42_Biased	0.295	0.291	0.004
10	A121_Unbiased	0.279	0.292	-0.013
10	A124_Unbiased	0.302	0.299	0.003
10	B41_Unbiased	0.290	0.292	-0.002
10	C43_Unbiased	0.299	0.288	0.011
10	C44_Unbiased	0.298	0.294	0.004
30	A125_Biased	0.291	0.289	0.002
30	B42_Biased	0.303	0.307	-0.004
30	B43_Biased	0.290	0.280	0.010
30	C45_Biased	0.293	0.290	0.003
30	C46_Biased	0.309	0.303	0.006
30	A127_Unbiased	0.285	0.282	0.003
30	B45_Unbiased	0.292	0.302	-0.010
30	B47_Unbiased	0.294	0.297	-0.003
30	C47_Unbiased	0.299	0.293	0.006
30	C50_Unbiased	0.308	0.304	0.004
50	A128_Biased	0.288	0.288	0.000
50	A129_Biased	0.298	0.301	-0.003
50	B48_Biased	0.291	0.298	-0.007
50	B49_Biased	0.294	0.290	0.004
50	C51_Biased	0.300	0.292	0.008
50	A130_Unbiased	0.288	0.294	-0.006
50	A131_Unbiased	0.293	0.292	0.001
50	B50_Unbiased	0.295	0.292	0.003
50	B51_Unbiased	0.304	0.304	0.000
50	C53_Unbiased	0.300	0.287	0.013
0	106_Corr	0.309	0.294	0.015
100	A132_Biased	0.294	0.298	-0.004
100	A134_Biased	0.288	0.339	-0.051
100	A135_Biased	0.283	0.292	-0.009
100	B52_Biased	0.305	0.305	0.000
100	B54_Biased	0.293	0.294	-0.001
100	B55_Biased	0.291	0.288	0.003
100	B56_Biased	0.297	0.295	0.002
100	B57_Biased	0.293	0.298	-0.005
100	B59_Biased	0.301	0.308	-0.007
100	B62_Biased	0.293	0.278	0.015
100	B63_Biased	0.307	0.295	0.012
100	B64_Biased	0.305	0.299	0.006
100	B66_Biased	0.306	0.295	0.011
100	B68_Biased	0.303	0.292	0.011
100	C54_Biased	0.303	0.297	0.006
100	C55_Biased	0.298	0.290	0.008
100	C56_Biased	0.301	0.291	0.010
100	C57_Biased	0.295	0.287	0.008
100	C58_Biased	0.298	0.291	0.007
100	C59_Biased	0.296	0.286	0.010
100	C65_Biased	0.294	0.292	0.002
100	C67_Biased	0.296	0.289	0.007
100	A122_Unbiased	0.287	0.297	-0.010
100	A138_Unbiased	0.285	0.292	-0.007
100	A139_Unbiased	0.283	0.287	-0.004
100	B60_Unbiased	0.307	0.301	0.006
100	B61_Unbiased	0.303	0.290	0.013
100	B69_Unbiased	0.307	0.304	0.003
100	B70_Unbiased	0.303	0.296	0.007
100	B71_Unbiased	0.312	0.308	0.004
100	B72_Unbiased	0.308	0.300	0.008
100	B73_Unbiased	0.296	0.294	0.002
100	B74_Unbiased	0.304	0.299	0.005
100	B77_Unbiased	0.303	0.303	0.000
100	B78_Unbiased	0.301	0.293	0.008
100	B79_Unbiased	0.306	0.299	0.007
100	B80_Unbiased	0.305	0.299	0.006
100	C70_Unbiased	0.291	0.285	0.006
100	C71_Unbiased	0.303	0.290	0.013
100	C72_Unbiased	0.300	0.294	0.006
100	C73_Unbiased	0.295	0.295	0.000
100	C75_Unbiased	0.311	0.304	0.007
100	C76_Unbiased	0.292	0.289	0.003
100	C79_Unbiased	0.299	0.299	0.000
	Max	0.312	0.339	0.020
	Average	0.297	0.294	0.003
	Min	0.279	0.278	-0.051
	Std Dev	0.008	0.008	0.009

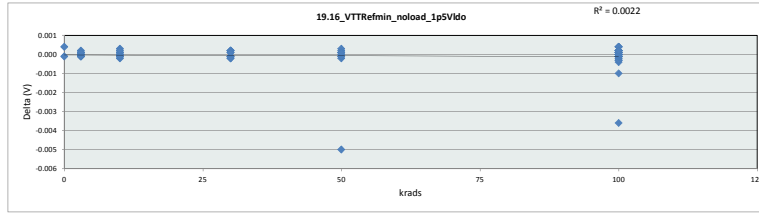


19.15_VTTRefmin_LoadRegrsc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.293	0.283	0.284	0.280	0.284	0.278
Average	0.294	0.294	0.292	0.295	0.292	0.296
Max	0.294	0.301	0.302	0.307	0.301	0.339
UL	100.000	100.000	100.000	100.000	100.000	100.000

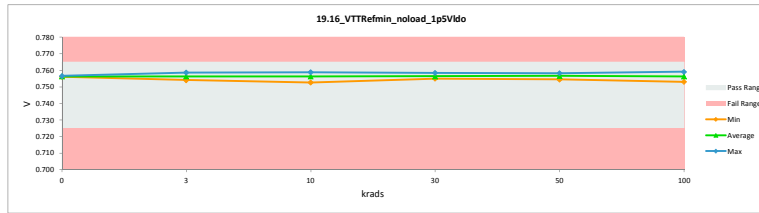


TID 100krad HDR Report
TPS7H3301-SP

19_16_VTTRefmin_noload_1p5Vd				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V			
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.757	0.756	0.000
3	A116_Biased	0.757	0.757	0.000
3	A117_Biased	0.756	0.756	0.000
3	B36_Biased	0.756	0.756	0.000
3	B37_Biased	0.757	0.757	0.000
3	C39_Biased	0.756	0.756	0.000
3	A118_Unbiased	0.759	0.759	0.000
3	A140_Unbiased	0.757	0.757	0.000
3	B38_Unbiased	0.757	0.757	0.000
3	B39_Unbiased	0.754	0.754	0.000
3	C40_Unbiased	0.755	0.755	0.000
10	A119_Biased	0.757	0.757	0.000
10	A120_Biased	0.759	0.759	0.000
10	B40_Biased	0.755	0.756	0.000
10	C41_Biased	0.757	0.757	0.000
10	C42_Biased	0.759	0.759	0.000
10	A121_Unbiased	0.755	0.755	0.000
10	A124_Unbiased	0.753	0.753	0.000
10	B41_Unbiased	0.758	0.758	0.000
10	C43_Unbiased	0.755	0.755	0.000
10	C44_Unbiased	0.755	0.755	0.000
30	A125_Biased	0.757	0.757	0.000
30	B42_Biased	0.755	0.755	0.000
30	B43_Biased	0.757	0.757	0.000
30	C45_Biased	0.758	0.758	0.000
30	C46_Biased	0.755	0.755	0.000
30	A127_Unbiased	0.757	0.757	0.000
30	B45_Unbiased	0.755	0.755	0.000
30	B47_Unbiased	0.759	0.758	0.000
30	C47_Unbiased	0.756	0.756	0.000
30	C50_Unbiased	0.756	0.756	0.000
50	A128_Biased	0.757	0.757	0.000
50	A129_Biased	0.758	0.758	0.000
50	B48_Biased	0.755	0.755	0.000
50	B49_Biased	0.757	0.757	0.000
50	C51_Biased	0.758	0.758	0.000
50	A130_Unbiased	0.754	0.754	0.000
50	A131_Unbiased	0.756	0.756	0.000
50	B50_Unbiased	0.756	0.756	0.000
50	B51_Unbiased	0.758	-0.005	0.000
50	C53_Unbiased	0.756	0.756	0.000
0	106_Corr	0.757	0.757	0.000
100	A132_Biased	0.756	0.757	0.000
100	A134_Biased	0.755	0.756	-0.001
100	A135_Biased	0.756	0.756	0.000
100	B52_Biased	0.753	0.753	0.000
100	B54_Biased	0.755	0.755	0.000
100	B55_Biased	0.757	0.757	0.000
100	B56_Biased	0.758	0.758	0.000
100	B57_Biased	0.758	0.758	0.000
100	B59_Biased	0.755	0.755	0.000
100	B62_Biased	0.757	0.757	0.000
100	B63_Biased	0.757	0.757	0.000
100	B64_Biased	0.759	0.758	0.000
100	B66_Biased	0.757	0.756	0.000
100	B68_Biased	0.756	0.757	0.000
100	C54_Biased	0.755	0.755	0.000
100	C55_Biased	0.756	0.756	0.000
100	C56_Biased	0.757	0.758	0.000
100	C57_Biased	0.757	0.757	0.000
100	C58_Biased	0.756	0.756	0.000
100	C59_Biased	0.758	0.758	0.000
100	C65_Biased	0.756	0.756	0.000
100	C67_Biased	0.757	0.757	0.000
100	A122_Unbiased	0.758	0.758	0.000
100	A138_Unbiased	0.757	0.757	0.000
100	A139_Unbiased	0.756	0.756	0.000
100	B60_Unbiased	0.759	0.759	-0.004
100	B61_Unbiased	0.757	0.757	0.000
100	B69_Unbiased	0.756	0.755	0.000
100	B70_Unbiased	0.757	0.757	0.000
100	B71_Unbiased	0.755	0.755	0.000
100	B72_Unbiased	0.756	0.756	0.000
100	B73_Unbiased	0.755	0.754	0.000
100	B74_Unbiased	0.755	0.754	0.000
100	B77_Unbiased	0.756	0.756	0.000
100	B78_Unbiased	0.756	0.756	0.000
100	B79_Unbiased	0.756	0.756	0.000
100	B80_Unbiased	0.756	0.756	0.000
100	C70_Unbiased	0.754	0.754	0.000
100	C71_Unbiased	0.757	0.757	0.000
100	C72_Unbiased	0.756	0.756	0.000
100	C73_Unbiased	0.755	0.755	0.000
100	C75_Unbiased	0.757	0.757	0.000
100	C76_Unbiased	0.759	0.759	0.000
100	C79_Unbiased	0.757	0.757	0.000
	Max	0.759	0.759	0.000
	Average	0.756	0.756	0.000
	Min	0.753	0.753	-0.005
	Std Dev	0.001	0.001	0.001

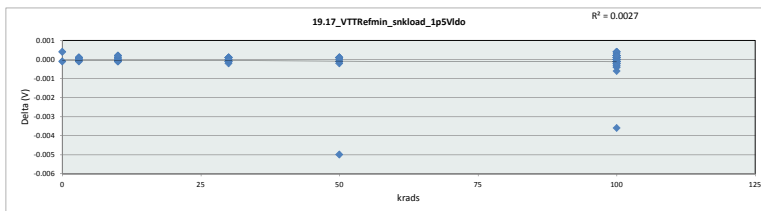


19_16_VTTRefmin_noload_1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.756	0.754	0.753	0.755	0.755	0.753
Average	0.756	0.756	0.756	0.756	0.756	0.756
Max	0.757	0.759	0.759	0.759	0.758	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765

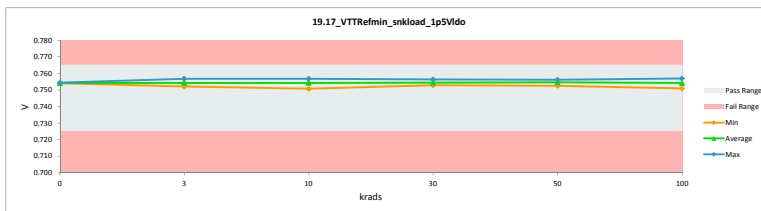


TID 100krad HDR Report
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19_17_VTTRefmin_snkload_1p5V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.754	0.754	0.000
3	A116_Biased	0.755	0.755	0.000
3	A117_Biased	0.754	0.754	0.000
3	B36_Biased	0.754	0.754	0.000
3	B37_Biased	0.755	0.755	0.000
3	C39_Biased	0.754	0.754	0.000
3	A118_Unbiased	0.757	0.757	0.000
3	A140_Unbiased	0.754	0.754	0.000
3	B38_Unbiased	0.755	0.755	0.000
3	B39_Unbiased	0.752	0.752	0.000
3	C40_Unbiased	0.753	0.753	0.000
10	A119_Biased	0.756	0.756	0.000
10	A120_Biased	0.757	0.757	0.000
10	B40_Biased	0.753	0.753	0.000
10	C41_Biased	0.755	0.755	0.000
10	C42_Biased	0.757	0.757	0.000
10	A121_Unbiased	0.753	0.753	0.000
10	A124_Unbiased	0.751	0.751	0.000
10	B41_Unbiased	0.756	0.756	0.000
10	C43_Unbiased	0.753	0.753	0.000
10	C44_Unbiased	0.753	0.753	0.000
30	A125_Biased	0.755	0.755	0.000
30	B42_Biased	0.753	0.753	0.000
30	B43_Biased	0.755	0.755	0.000
30	C45_Biased	0.757	0.756	0.000
30	C46_Biased	0.753	0.753	0.000
30	A127_Unbiased	0.755	0.755	0.000
30	B45_Unbiased	0.753	0.753	0.000
30	B47_Unbiased	0.757	0.756	0.000
30	C47_Unbiased	0.754	0.754	0.000
30	C50_Unbiased	0.753	0.753	0.000
50	A128_Biased	0.755	0.755	0.000
50	A129_Biased	0.756	0.756	0.000
50	B48_Biased	0.753	0.753	0.000
50	B49_Biased	0.755	0.755	0.000
50	C51_Biased	0.756	0.756	0.000
50	A130_Unbiased	0.752	0.752	0.000
50	A131_Unbiased	0.754	0.754	0.000
50	B50_Unbiased	0.754	0.754	0.000
50	B51_Unbiased	0.751	-0.005	0.000
50	C53_Unbiased	0.754	0.754	0.000
0	106_Corr	0.754	0.754	0.000
100	A132_Biased	0.754	0.755	0.000
100	A134_Biased	0.753	0.753	-0.001
100	A135_Biased	0.754	0.754	0.000
100	B52_Biased	0.751	0.751	0.000
100	B54_Biased	0.753	0.753	0.000
100	B55_Biased	0.754	0.755	0.000
100	B56_Biased	0.756	0.756	0.000
100	B57_Biased	0.756	0.756	0.000
100	B59_Biased	0.752	0.753	0.000
100	B62_Biased	0.755	0.755	0.000
100	B63_Biased	0.754	0.754	0.000
100	B64_Biased	0.757	0.756	0.000
100	B66_Biased	0.754	0.754	0.000
100	B68_Biased	0.754	0.755	0.000
100	C54_Biased	0.753	0.753	0.000
100	C55_Biased	0.754	0.754	0.000
100	C56_Biased	0.755	0.756	0.000
100	C57_Biased	0.755	0.755	0.000
100	C58_Biased	0.754	0.754	0.000
100	C59_Biased	0.756	0.756	0.000
100	C65_Biased	0.754	0.754	0.000
100	C67_Biased	0.755	0.755	0.000
100	A122_Unbiased	0.756	0.756	0.000
100	A138_Unbiased	0.755	0.755	0.000
100	A139_Unbiased	0.754	0.754	0.000
100	B60_Unbiased	0.753	0.757	-0.004
100	B61_Unbiased	0.755	0.755	0.000
100	B69_Unbiased	0.753	0.753	0.000
100	B70_Unbiased	0.755	0.755	0.000
100	B71_Unbiased	0.753	0.753	0.000
100	B72_Unbiased	0.754	0.754	0.000
100	B73_Unbiased	0.753	0.752	0.000
100	B74_Unbiased	0.752	0.752	0.000
100	B77_Unbiased	0.754	0.753	0.000
100	B78_Unbiased	0.754	0.754	0.000
100	B79_Unbiased	0.753	0.753	0.000
100	B80_Unbiased	0.754	0.753	0.000
100	C70_Unbiased	0.752	0.752	0.000
100	C71_Unbiased	0.755	0.755	0.000
100	C72_Unbiased	0.754	0.754	0.000
100	C73_Unbiased	0.753	0.753	0.000
100	C75_Unbiased	0.754	0.754	0.000
100	C76_Unbiased	0.757	0.757	0.000
100	C79_Unbiased	0.755	0.755	0.000
	Max	0.757	0.757	0.000
	Average	0.754	0.754	0.000
	Min	0.751	0.751	-0.005
	Std Dev	0.001	0.001	0.001

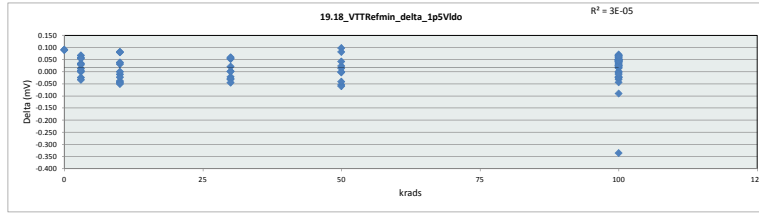


19_17_VTTRefmin_snkload_1p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.754	0.752	0.751	0.753	0.753	0.751
Average	0.754	0.754	0.754	0.754	0.755	0.754
Max	0.755	0.757	0.757	0.756	0.756	0.757
UL	0.765	0.765	0.765	0.765	0.765	0.765

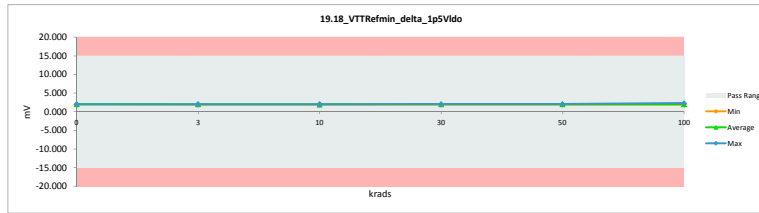


TID 100krad HDR Report
TPS7H3301-SP

19_18_VTTRefmin_delta_1p5VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.080	1.990	0.090
3	A116_Biased	2.035	2.022	0.013
3	A117_Biased	1.923	1.923	0.000
3	B36_Biased	2.042	2.007	0.035
3	B37_Biased	1.998	2.022	-0.024
3	C39_Biased	2.100	2.033	0.067
3	A118_Unbiased	1.923	1.923	0.004
3	A140_Unbiased	2.080	2.022	0.058
3	B38_Unbiased	2.059	2.030	0.029
3	B39_Unbiased	1.940	1.973	-0.033
3	C40_Unbiased	2.073	2.019	0.054
10	A119_Biased	1.955	1.966	-0.011
10	A120_Biased	1.948	1.936	-0.038
10	B40_Biased	2.010	2.032	-0.022
10	C41_Biased	2.093	2.011	0.082
10	C42_Biased	2.023	1.991	0.032
10	A121_Unbiased	1.917	1.961	-0.044
10	A124_Unbiased	1.983	2.033	-0.050
10	B41_Unbiased	2.001	2.001	0.000
10	C43_Unbiased	2.059	1.979	0.080
10	C44_Unbiased	1.991	1.953	0.038
30	A125_Biased	1.978	1.978	-0.021
30	B42_Biased	2.033	2.062	-0.029
30	B43_Biased	1.927	1.958	-0.031
30	C45_Biased	2.016	1.963	0.053
30	C46_Biased	2.079	2.024	0.055
30	A127_Unbiased	1.937	1.936	0.001
30	B45_Unbiased	1.971	2.016	-0.045
30	B47_Unbiased	2.016	2.015	0.001
30	C47_Unbiased	2.044	1.984	0.060
30	C50_Unbiased	2.062	2.041	0.021
50	A128_Biased	2.004	1.990	0.014
50	A129_Biased	2.049	2.052	-0.003
50	B48_Biased	1.958	2.012	-0.054
50	B49_Biased	1.967	2.026	-0.059
50	C51_Biased	2.043	2.019	0.024
50	A130_Unbiased	1.958	1.999	-0.041
50	A131_Unbiased	2.008	1.966	0.042
50	B50_Unbiased	1.997	1.997	0.000
50	B51_Unbiased	2.068	1.970	0.098
50	C53_Unbiased	2.039	1.957	0.082
0	106_Corr	2.117	2.026	0.091
100	A132_Biased	2.008	2.039	-0.031
100	A134_Biased	1.969	2.305	-0.336
100	A135_Biased	1.967	1.987	-0.020
100	B52_Biased	2.079	2.104	-0.025
100	B54_Biased	1.962	1.986	-0.024
100	B55_Biased	1.964	1.969	-0.005
100	B56_Biased	2.051	2.066	0.045
100	B57_Biased	1.950	2.040	-0.090
100	B59_Biased	2.039	2.082	-0.043
100	B62_Biased	1.997	1.945	0.052
100	B63_Biased	2.085	2.034	0.051
100	B64_Biased	2.078	2.037	0.041
100	B66_Biased	2.065	2.019	0.046
100	B68_Biased	2.073	2.005	0.068
100	C54_Biased	2.031	1.980	0.051
100	C55_Biased	2.021	1.983	0.038
100	C56_Biased	2.084	2.024	0.060
100	C57_Biased	1.994	1.953	0.041
100	C58_Biased	2.044	1.993	0.051
100	C59_Biased	2.038	1.988	0.050
100	C65_Biased	1.978	1.962	0.016
100	C67_Biased	2.065	1.999	0.066
100	A122_Unbiased	1.987	2.009	-0.022
100	A138_Unbiased	2.029	2.013	0.016
100	A139_Unbiased	1.953	1.951	0.002
100	B60_Unbiased	2.052	2.053	-0.001
100	B61_Unbiased	2.053	1.992	0.061
100	B69_Unbiased	2.052	2.032	0.020
100	B70_Unbiased	2.053	2.007	0.046
100	B71_Unbiased	2.093	2.073	0.023
100	B72_Unbiased	2.041	2.006	0.035
100	B73_Unbiased	2.022	1.996	0.026
100	B74_Unbiased	2.059	2.032	0.027
100	B77_Unbiased	2.026	2.037	-0.011
100	B78_Unbiased	2.040	1.989	0.071
100	B79_Unbiased	2.058	2.005	0.053
100	B80_Unbiased	2.068	2.001	0.067
100	C70_Unbiased	1.990	1.943	0.047
100	C71_Unbiased	2.046	1.996	0.050
100	C72_Unbiased	2.045	2.014	0.031
100	C73_Unbiased	2.018	1.976	0.042
100	C75_Unbiased	2.114	2.088	0.026
100	C76_Unbiased	2.006	1.963	0.043
100	C79_Unbiased	2.080	2.062	0.062
	Max	2.117	2.305	0.098
	Average	2.022	2.006	0.017
	Min	1.917	1.923	-0.336
	Std Dev	0.049	0.048	0.056

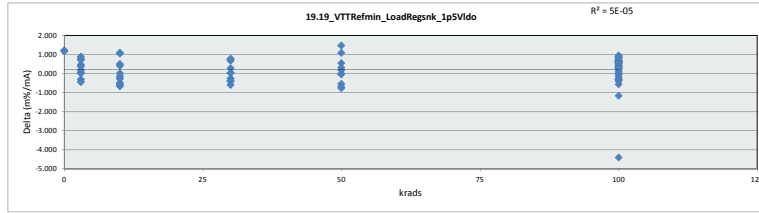


19_18_VTTRefmin_delta_1p5VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.990	1.923	1.953	1.936	1.957	1.943
Average	2.008	1.997	1.991	1.998	1.999	2.014
Max	2.026	2.033	2.033	2.062	2.052	2.305
UL	15.000	15.000	15.000	15.000	15.000	15.000

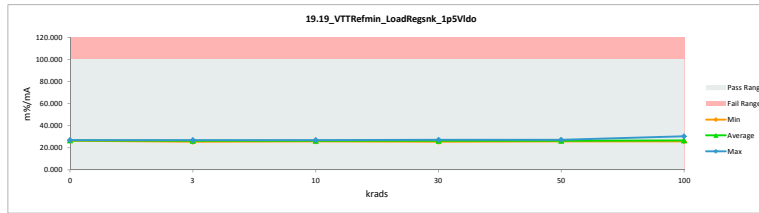


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19_19_VTTRefmin_LoadReqsnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	27.492	26.320	1.172
3	A116_Biased	26.889	26.713	0.176
3	A117_Biased	25.444	25.441	0.003
3	B36_Biased	27.001	26.543	0.458
3	B37_Biased	26.400	26.718	-0.318
3	C39_Unbiased	27.776	26.888	0.888
3	A118_Unbiased	25.400	25.347	0.053
3	A140_Unbiased	27.492	26.722	0.770
3	B38_Unbiased	27.183	26.805	0.378
3	B39_Unbiased	25.726	26.164	-0.438
3	C40_Unbiased	27.454	26.737	0.717
10	A119_Biased	25.805	25.962	-0.157
10	A120_Biased	25.672	26.167	-0.495
10	B40_Biased	26.615	26.898	-0.283
10	C41_Biased	27.642	26.561	1.081
10	C42_Biased	26.662	26.247	0.415
10	A121_Unbiased	25.394	25.977	-0.583
10	A124_Unbiased	26.349	27.009	-0.660
10	B41_Unbiased	26.382	26.381	0.001
10	C43_Unbiased	27.277	26.224	1.053
10	C44_Unbiased	26.356	25.866	0.490
30	A125_Biased	25.843	26.131	-0.288
30	B42_Biased	26.921	27.303	-0.382
30	B43_Biased	25.457	25.872	-0.415
30	C45_Biased	26.574	25.891	0.683
30	C46_Biased	27.528	26.806	0.722
30	A127_Unbiased	25.605	25.882	-0.277
30	B45_Unbiased	26.115	26.706	-0.591
30	B47_Unbiased	26.583	26.561	0.022
30	C47_Unbiased	27.028	26.246	0.782
30	C50_Unbiased	27.288	27.011	0.277
50	A128_Biased	26.456	26.279	0.177
50	A129_Biased	27.025	27.062	-0.037
50	B48_Biased	25.928	26.630	-0.702
50	B49_Biased	25.994	26.758	-0.764
50	C51_Biased	26.954	26.649	0.305
50	A130_Unbiased	25.952	26.493	-0.541
50	A131_Unbiased	26.563	26.010	0.553
50	B50_Unbiased	26.400	26.403	-0.003
50	B51_Unbiased	27.464	25.992	1.472
50	C53_Unbiased	26.969	25.887	1.082
0	106_Corr	27.986	26.774	1.212
100	A132_Biased	26.556	26.945	-0.389
100	A134_Biased	26.088	30.495	-4.407
100	A135_Biased	26.005	26.271	-0.266
100	B52_Biased	27.603	27.934	-0.331
100	B54_Biased	25.967	26.293	-0.326
100	B55_Biased	25.961	26.016	-0.055
100	B56_Biased	27.072	26.467	0.605
100	B57_Biased	25.726	26.903	-1.177
100	B59_Biased	27.018	27.579	-0.561
100	B62_Biased	26.383	25.695	0.688
100	B63_Biased	27.564	26.894	0.670
100	B64_Biased	27.392	26.954	0.538
100	B66_Biased	27.302	26.703	0.599
100	B68_Biased	27.408	26.492	0.916
100	C54_Biased	26.880	26.231	0.649
100	C55_Biased	26.717	26.212	0.505
100	C56_Biased	27.510	26.713	0.797
100	C57_Biased	26.356	25.805	0.551
100	C58_Biased	27.026	26.355	0.671
100	C59_Biased	26.902	26.237	0.665
100	C65_Biased	26.183	25.965	0.218
100	C67_Biased	27.273	26.403	0.870
100	A122_Unbiased	26.209	26.494	-0.285
100	A138_Unbiased	26.797	26.579	0.218
100	A139_Unbiased	25.833	25.801	0.032
100	B60_Unbiased	27.167	27.053	0.114
100	B61_Unbiased	27.130	26.324	0.806
100	B69_Unbiased	27.167	26.907	0.260
100	B70_Unbiased	27.130	26.530	0.600
100	B71_Unbiased	27.713	27.407	0.306
100	B72_Unbiased	26.999	26.551	0.448
100	B73_Unbiased	26.790	26.454	0.336
100	B74_Unbiased	27.281	26.941	0.340
100	B77_Unbiased	26.806	26.957	-0.151
100	B78_Unbiased	27.253	26.507	0.746
100	B79_Unbiased	27.242	26.544	0.698
100	B80_Unbiased	27.359	26.488	0.871
100	C70_Unbiased	26.394	25.771	0.623
100	C71_Unbiased	27.029	26.374	0.655
100	C72_Unbiased	27.038	26.625	0.413
100	C73_Unbiased	26.725	26.178	0.547
100	C75_Unbiased	27.943	27.595	0.348
100	C76_Unbiased	26.441	25.879	0.562
100	C79_Unbiased	27.456	26.644	0.812
	Max	27.986	30.495	1.472
	Average	26.743	26.519	0.224
	Min	25.394	25.347	-4.407
	Std Dev	0.655	0.645	0.739

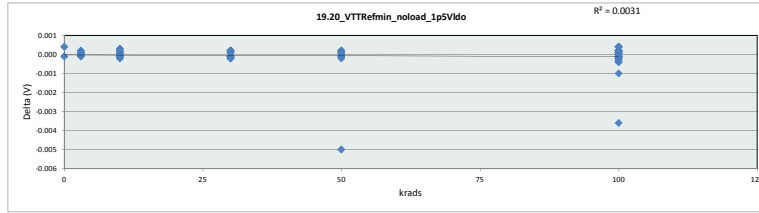


19_19_VTTRefmin_LoadReqsnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	26.320	25.347	25.866	25.582	25.887	25.695
Average	26.547	26.408	26.329	26.411	26.416	26.633
Max	26.774	26.888	27.009	27.303	27.062	30.495
UL	100.000	100.000	100.000	100.000	100.000	100.000

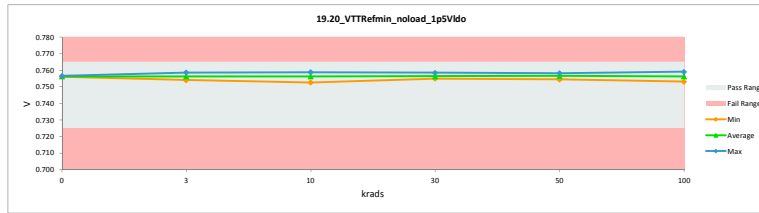


TID 100krad HDR Report
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19_20_VTTRefmin_noload_1p5VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.757	0.756	0.000
3	A116_Biased	0.757	0.757	0.000
3	A117_Biased	0.756	0.756	0.000
3	B36_Biased	0.756	0.756	0.000
3	B37_Biased	0.757	0.757	0.000
3	C39_Biased	0.756	0.756	0.000
3	A118_Unbiased	0.759	0.759	0.000
3	A140_Unbiased	0.757	0.757	0.000
3	B38_Unbiased	0.757	0.757	0.000
3	B39_Unbiased	0.754	0.754	0.000
3	C40_Unbiased	0.755	0.755	0.000
10	A119_Biased	0.757	0.757	0.000
10	A120_Biased	0.759	0.759	0.000
10	B40_Biased	0.755	0.756	0.000
10	C41_Biased	0.757	0.757	0.000
10	C42_Biased	0.759	0.759	0.000
10	A121_Unbiased	0.755	0.755	0.000
10	A124_Unbiased	0.753	0.753	0.000
10	B41_Unbiased	0.758	0.758	0.000
10	C43_Unbiased	0.755	0.755	0.000
10	C44_Unbiased	0.755	0.755	0.000
30	A125_Biased	0.757	0.757	0.000
30	B42_Biased	0.755	0.755	0.000
30	B43_Biased	0.757	0.757	0.000
30	C45_Biased	0.758	0.758	0.000
30	C46_Biased	0.755	0.755	0.000
30	A127_Unbiased	0.757	0.757	0.000
30	B45_Unbiased	0.755	0.755	0.000
30	B47_Unbiased	0.759	0.758	0.000
30	C47_Unbiased	0.756	0.756	0.000
30	C50_Unbiased	0.756	0.756	0.000
50	A128_Biased	0.757	0.757	0.000
50	A129_Biased	0.758	0.758	0.000
50	B48_Biased	0.755	0.755	0.000
50	B49_Biased	0.757	0.757	0.000
50	C51_Biased	0.758	0.758	0.000
50	A130_Unbiased	0.754	0.754	0.000
50	A131_Unbiased	0.756	0.756	0.000
50	B50_Unbiased	0.756	0.756	0.000
50	B51_Unbiased	0.758	-0.005	0.000
50	C53_Unbiased	0.756	0.756	0.000
0	106_Corr	0.757	0.757	0.000
100	A132_Biased	0.756	0.757	0.000
100	A134_Biased	0.755	0.756	-0.001
100	A135_Biased	0.756	0.756	0.000
100	B52_Biased	0.753	0.753	0.000
100	B54_Biased	0.755	0.755	0.000
100	B55_Biased	0.757	0.757	0.000
100	B56_Biased	0.758	0.758	0.000
100	B57_Biased	0.758	0.758	0.000
100	B59_Biased	0.755	0.755	0.000
100	B62_Biased	0.757	0.757	0.000
100	B63_Biased	0.757	0.757	0.000
100	B64_Biased	0.759	0.758	0.000
100	B66_Biased	0.757	0.756	0.000
100	B68_Biased	0.756	0.757	0.000
100	C54_Biased	0.755	0.755	0.000
100	C55_Biased	0.756	0.756	0.000
100	C56_Biased	0.757	0.758	0.000
100	C57_Biased	0.757	0.757	0.000
100	C58_Biased	0.756	0.756	0.000
100	C59_Biased	0.758	0.758	0.000
100	C65_Biased	0.756	0.756	0.000
100	C67_Biased	0.757	0.757	0.000
100	A122_Unbiased	0.758	0.758	0.000
100	A138_Unbiased	0.757	0.757	0.000
100	A139_Unbiased	0.756	0.756	0.000
100	B60_Unbiased	0.759	0.759	-0.004
100	B61_Unbiased	0.757	0.757	0.000
100	B69_Unbiased	0.756	0.755	0.000
100	B70_Unbiased	0.757	0.757	0.000
100	B71_Unbiased	0.755	0.755	0.000
100	B72_Unbiased	0.756	0.756	0.000
100	B73_Unbiased	0.755	0.754	0.000
100	B74_Unbiased	0.755	0.754	0.000
100	B77_Unbiased	0.756	0.756	0.000
100	B78_Unbiased	0.756	0.756	0.000
100	B79_Unbiased	0.756	0.756	0.000
100	B80_Unbiased	0.756	0.756	0.000
100	C70_Unbiased	0.754	0.754	0.000
100	C71_Unbiased	0.757	0.757	0.000
100	C72_Unbiased	0.756	0.756	0.000
100	C73_Unbiased	0.755	0.755	0.000
100	C75_Unbiased	0.757	0.757	0.000
100	C76_Unbiased	0.759	0.759	0.000
100	C79_Unbiased	0.757	0.757	0.000
	Max	0.759	0.759	0.000
	Average	0.756	0.756	0.000
	Min	0.753	0.753	-0.005
	Std Dev	0.001	0.001	0.001

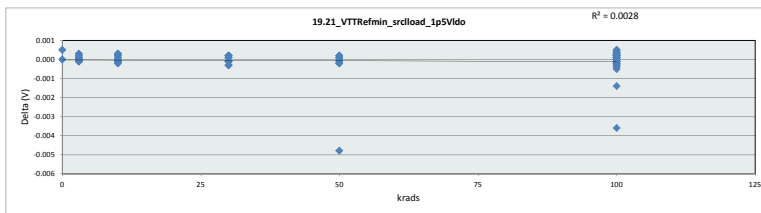


19_20_VTTRefmin_noload_1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.756	0.754	0.753	0.755	0.755	0.753
Average	0.756	0.756	0.756	0.756	0.757	0.756
Max	0.757	0.759	0.759	0.759	0.758	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765

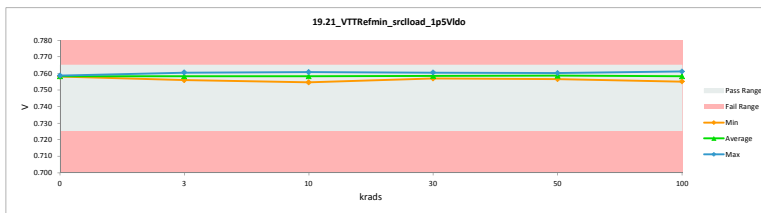


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19-21_VTTRefmin_srcload_1p5k				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.759	0.758	0.001
3	A116_Biased	0.759	0.759	0.000
3	A117_Biased	0.758	0.758	0.000
3	B36_Biased	0.758	0.758	0.000
3	B37_Biased	0.759	0.759	0.000
3	C39_Biased	0.758	0.758	0.000
3	A118_Unbiased	0.761	0.761	0.000
3	A140_Unbiased	0.759	0.759	0.000
3	B38_Unbiased	0.759	0.759	0.000
3	B39_Unbiased	0.756	0.756	0.000
3	C40_Unbiased	0.757	0.757	0.000
10	A119_Biased	0.759	0.759	0.000
10	A120_Biased	0.761	0.761	0.000
10	B40_Biased	0.757	0.757	0.000
10	C41_Biased	0.759	0.759	0.000
10	C42_Biased	0.761	0.761	0.000
10	A121_Unbiased	0.757	0.757	0.000
10	A124_Unbiased	0.755	0.755	0.000
10	B41_Unbiased	0.760	0.761	0.000
10	C43_Unbiased	0.757	0.757	0.000
10	C44_Unbiased	0.757	0.757	0.000
30	A125_Biased	0.759	0.759	0.000
30	B42_Biased	0.757	0.757	0.000
30	B43_Biased	0.759	0.759	0.000
30	C45_Biased	0.761	0.760	0.000
30	C46_Biased	0.757	0.757	0.000
30	A127_Unbiased	0.758	0.758	0.000
30	B45_Unbiased	0.757	0.757	0.000
30	B47_Unbiased	0.761	0.761	0.000
30	C47_Unbiased	0.758	0.758	0.000
30	C50_Unbiased	0.758	0.757	0.000
50	A128_Biased	0.759	0.759	0.000
50	A129_Biased	0.760	0.760	0.000
50	B48_Biased	0.757	0.757	0.000
50	B49_Biased	0.759	0.759	0.000
50	C51_Biased	0.760	0.760	0.000
50	A130_Unbiased	0.756	0.757	0.000
50	A131_Unbiased	0.758	0.758	0.000
50	B50_Unbiased	0.758	0.758	0.000
50	B51_Unbiased	0.760	-0.005	0.000
50	C53_Unbiased	0.758	0.758	0.000
0	106_Corr	0.759	0.759	0.000
100	A132_Biased	0.758	0.759	-0.001
100	A134_Biased	0.757	0.758	-0.001
100	A135_Biased	0.758	0.758	0.000
100	B52_Biased	0.755	0.755	0.000
100	B54_Biased	0.757	0.757	0.000
100	B55_Biased	0.758	0.759	0.000
100	B56_Biased	0.760	0.760	0.000
100	B57_Biased	0.760	0.760	0.000
100	B59_Biased	0.757	0.757	0.000
100	B62_Biased	0.759	0.759	0.000
100	B63_Biased	0.759	0.758	0.000
100	B64_Biased	0.761	0.761	0.000
100	B66_Biased	0.758	0.758	0.000
100	B68_Biased	0.758	0.759	0.000
100	C54_Biased	0.757	0.757	0.000
100	C55_Biased	0.758	0.758	0.000
100	C56_Biased	0.760	0.760	0.000
100	C57_Biased	0.759	0.759	0.000
100	C58_Biased	0.758	0.758	0.000
100	C59_Biased	0.760	0.760	0.000
100	C65_Biased	0.758	0.757	0.000
100	C67_Biased	0.759	0.759	0.000
100	A122_Unbiased	0.760	0.760	0.000
100	A138_Unbiased	0.759	0.759	0.000
100	A139_Unbiased	0.758	0.758	0.000
100	B60_Unbiased	0.758	0.761	-0.004
100	B61_Unbiased	0.759	0.759	0.000
100	B69_Unbiased	0.758	0.757	0.000
100	B70_Unbiased	0.759	0.759	0.000
100	B71_Unbiased	0.757	0.757	0.000
100	B72_Unbiased	0.758	0.758	0.000
100	B73_Unbiased	0.757	0.756	0.000
100	B74_Unbiased	0.757	0.756	0.000
100	B77_Unbiased	0.758	0.758	0.000
100	B78_Unbiased	0.758	0.758	0.000
100	B79_Unbiased	0.758	0.757	0.000
100	B80_Unbiased	0.758	0.757	0.001
100	C70_Unbiased	0.756	0.756	0.000
100	C71_Unbiased	0.759	0.759	0.000
100	C72_Unbiased	0.758	0.758	0.000
100	C73_Unbiased	0.757	0.757	0.000
100	C75_Unbiased	0.759	0.759	0.000
100	C76_Unbiased	0.761	0.761	0.000
100	C79_Unbiased	0.760	0.760	0.000
	Max	0.761	0.761	0.001
	Average	0.758	0.758	0.000
	Min	0.755	0.755	-0.005
	Std Dev	0.001	0.001	0.001

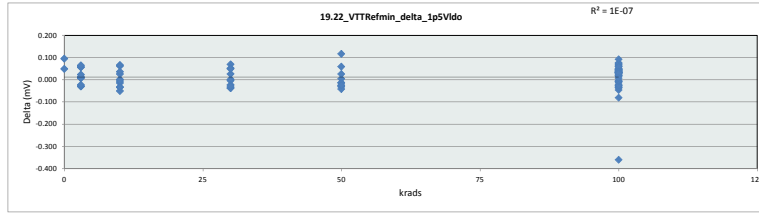


19-21_VTTRefmin_srcload_1p5k						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.758	0.756	0.755	0.757	0.757	0.755
Average	0.758	0.758	0.758	0.758	0.759	0.758
Max	0.759	0.761	0.761	0.761	0.760	0.761
UL	0.765	0.765	0.765	0.765	0.765	0.765

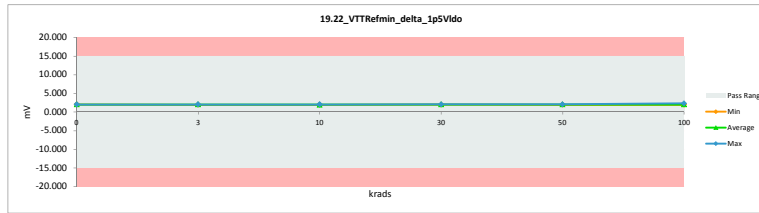


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19_22_VTTRefmin_delta_1p5VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.063	2.013	0.050
3	A116_Biased	2.045	2.031	0.014
3	A117_Biased	1.973	1.965	0.008
3	B36_Biased	2.008	1.998	0.010
3	B37_Biased	1.999	2.029	-0.030
3	C39_Biased	2.076	2.018	0.058
3	A118_Unbiased	1.925	1.954	-0.029
3	A140_Unbiased	2.063	2.007	0.056
3	B38_Unbiased	2.031	2.008	0.023
3	B39_Unbiased	1.944	1.967	-0.023
3	C40_Unbiased	2.079	2.014	0.065
10	A119_Biased	1.939	1.953	-0.014
10	A120_Biased	1.944	1.977	-0.033
10	B40_Biased	2.039	2.037	0.002
10	C41_Biased	2.065	2.002	0.063
10	C42_Biased	2.016	1.990	0.026
10	A121_Unbiased	1.908	1.958	-0.050
10	A124_Unbiased	1.960	1.993	-0.033
10	B41_Unbiased	2.036	2.042	-0.006
10	C43_Unbiased	2.049	2.012	0.037
10	C44_Unbiased	2.024	1.958	0.066
30	A125_Biased	1.999	-0.037	
30	B42_Biased	2.062	2.060	0.002
30	B43_Biased	1.956	1.960	-0.004
30	C45_Biased	2.025	1.998	0.027
30	C46_Biased	2.098	2.029	0.069
30	A127_Unbiased	1.932	1.969	-0.037
30	B45_Unbiased	1.995	2.018	-0.023
30	B47_Unbiased	2.021	2.050	-0.029
30	C47_Unbiased	2.018	1.966	0.052
30	C50_Unbiased	2.046	2.049	-0.003
50	A128_Biased	1.985	1.980	0.005
50	A129_Biased	2.051	2.063	-0.012
50	B48_Biased	1.986	2.013	-0.027
50	B49_Biased	1.992	2.006	-0.014
50	C51_Biased	2.039	2.029	0.010
50	A130_Unbiased	1.973	2.004	-0.031
50	A131_Unbiased	1.949	1.991	-0.042
50	B50_Unbiased	1.974	1.998	-0.024
50	B51_Unbiased	2.074	1.957	0.117
50	C53_Unbiased	2.005	1.945	0.060
0	106_Corr	2.114	2.019	0.095
100	A132_Biased	1.982	2.028	-0.046
100	A134_Biased	1.958	2.318	-0.360
100	A135_Biased	1.930	1.955	-0.025
100	B52_Biased	2.081	2.090	-0.009
100	B54_Biased	1.982	1.990	-0.008
100	B55_Biased	1.957	1.988	-0.031
100	B56_Biased	2.019	2.045	-0.026
100	B57_Biased	1.993	2.074	-0.081
100	B59_Biased	2.067	2.087	-0.020
100	B62_Biased	1.991	1.927	0.064
100	B63_Biased	2.084	2.012	0.072
100	B64_Biased	2.094	2.062	0.032
100	B66_Biased	2.059	2.008	0.051
100	B68_Biased	2.040	1.993	0.047
100	C54_Biased	2.059	1.990	0.069
100	C55_Biased	2.001	1.982	0.019
100	C56_Biased	2.048	2.044	0.004
100	C57_Biased	1.994	1.945	0.049
100	C58_Biased	2.019	1.978	0.041
100	C59_Biased	1.996	1.963	0.033
100	C65_Biased	2.020	1.990	0.040
100	C67_Biased	2.045	2.000	0.045
100	A122_Unbiased	2.008	2.043	-0.035
100	A138_Unbiased	1.981	2.007	-0.026
100	A139_Unbiased	1.911	1.918	-0.007
100	B60_Unbiased	2.084	2.086	-0.002
100	B61_Unbiased	2.043	2.020	0.023
100	B69_Unbiased	2.084	2.045	0.039
100	B70_Unbiased	2.043	2.010	0.033
100	B71_Unbiased	2.022	2.070	0.048
100	B72_Unbiased	2.091	2.031	0.060
100	B73_Unbiased	2.032	2.000	0.032
100	B74_Unbiased	2.083	2.035	0.048
100	B77_Unbiased	2.057	2.041	0.016
100	B78_Unbiased	2.014	1.983	0.031
100	B79_Unbiased	2.088	2.011	0.077
100	B80_Unbiased	2.037	1.998	0.039
100	C70_Unbiased	2.012	1.919	0.093
100	C71_Unbiased	2.068	2.008	0.060
100	C72_Unbiased	2.025	1.995	0.030
100	C73_Unbiased	2.018	1.981	0.037
100	C75_Unbiased	2.108	2.089	0.019
100	C76_Unbiased	2.003	1.974	0.029
100	C79_Unbiased	2.032	2.024	0.008
	Max	2.114	2.318	0.117
	Average	2.021	2.008	0.013
	Min	1.908	1.918	-0.360
	Std Dev	0.050	0.051	0.057

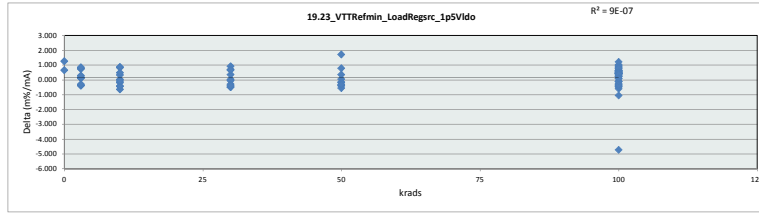


19_22_VTTRefmin_delta_1p5VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	2.013	1.954	1.953	1.960	1.945	1.918
Average	2.016	1.999	1.992	2.010	1.997	2.016
Max	2.019	2.031	2.042	2.060	2.063	2.318
UL	15.000	15.000	15.000	15.000	15.000	15.000

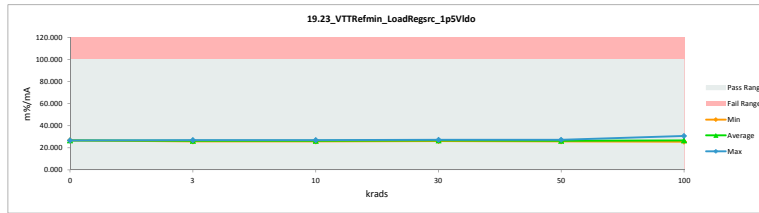


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19_23_VTTRefmin_LoadReqsrc_1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	27.272	26.616	0.656
3	A116_Biased	27.021	26.839	0.182
3	A117_Biased	26.110	26.004	0.106
3	B36_Biased	26.553	26.425	0.128
3	B37_Biased	26.415	26.807	-0.392
3	C39_Biased	27.453	26.695	0.758
3	A118_Unbiased	25.375	25.761	-0.386
3	A140_Unbiased	27.272	26.533	0.739
3	B38_Unbiased	26.815	26.520	0.295
3	B39_Unbiased	25.785	26.081	-0.296
3	C40_Unbiased	27.539	26.683	0.856
10	A119_Biased	25.599	25.781	-0.182
10	A120_Biased	25.625	26.050	-0.425
10	B40_Biased	26.997	26.964	0.033
10	C41_Biased	27.268	26.444	0.824
10	C42_Biased	26.563	26.228	0.335
10	A121_Unbiased	25.275	25.928	-0.653
10	A124_Unbiased	26.044	26.479	-0.435
10	B41_Unbiased	26.852	26.922	-0.070
10	C43_Unbiased	27.143	26.664	0.479
10	C44_Unbiased	26.794	25.934	0.860
30	A125_Biased	25.924	26.409	-0.485
30	B42_Biased	27.302	27.274	0.028
30	B43_Biased	25.842	25.900	-0.058
30	C45_Biased	26.702	26.347	0.355
30	C46_Biased	27.783	26.868	0.915
30	A127_Unbiased	25.530	26.011	-0.481
30	B45_Unbiased	26.429	26.736	-0.307
30	B47_Unbiased	26.640	27.022	-0.382
30	C47_Unbiased	26.690	26.000	0.690
30	C50_Unbiased	27.725	27.078	0.647
50	A128_Biased	26.207	26.153	0.054
50	A129_Biased	27.050	27.203	-0.153
50	B48_Biased	26.299	26.654	-0.355
50	B49_Biased	26.516	26.500	-0.184
50	C51_Biased	26.907	26.560	0.347
50	A130_Unbiased	26.160	26.565	-0.405
50	A131_Unbiased	25.777	26.339	-0.562
50	B50_Unbiased	26.105	26.421	-0.316
50	B51_Unbiased	27.538	25.922	1.716
50	C53_Biased	26.508	25.724	0.784
0	106_Corr	27.939	26.682	1.257
100	A132_Biased	26.209	26.800	-0.591
100	A134_Biased	25.940	30.668	-4.728
100	A135_Biased	25.518	25.989	-0.469
100	B52_Biased	27.635	27.749	-0.114
100	B54_Biased	26.233	26.338	-0.105
100	B55_Biased	25.866	26.273	-0.407
100	B56_Biased	26.645	26.987	-0.342
100	B57_Biased	26.297	27.356	-1.059
100	B59_Biased	27.390	27.652	-0.262
100	B62_Biased	26.303	25.451	0.852
100	B63_Biased	27.550	26.596	0.954
100	B64_Biased	27.601	27.190	0.411
100	B66_Biased	27.219	26.561	0.658
100	B68_Biased	26.966	26.337	0.629
100	C54_Biased	27.261	26.358	0.903
100	C55_Biased	26.451	26.202	0.249
100	C56_Biased	27.031	26.458	0.573
100	C57_Biased	26.360	25.711	0.649
100	C58_Biased	26.705	26.169	0.536
100	C59_Biased	26.344	25.909	0.435
100	C65_Biased	26.732	26.208	0.524
100	C67_Biased	26.999	26.416	0.583
100	A122_Unbiased	26.479	26.939	-0.460
100	A138_Unbiased	26.163	26.507	-0.344
100	A139_Unbiased	25.277	25.374	-0.097
100	B60_Unbiased	27.580	27.479	0.101
100	B61_Unbiased	26.999	26.683	0.316
100	B69_Unbiased	27.580	27.073	0.507
100	B70_Unbiased	26.999	26.563	0.436
100	B71_Unbiased	27.533	27.416	0.117
100	B72_Unbiased	27.663	26.873	0.790
100	B73_Unbiased	26.928	26.505	0.423
100	B74_Unbiased	27.610	26.978	0.632
100	B77_Unbiased	27.223	27.008	0.215
100	B78_Unbiased	26.645	26.226	0.419
100	B79_Unbiased	27.633	26.613	1.020
100	B80_Unbiased	26.950	26.451	0.499
100	C70_Unbiased	26.683	25.456	1.227
100	C71_Unbiased	27.322	26.535	0.787
100	C72_Unbiased	26.766	26.374	0.392
100	C73_Unbiased	26.733	26.237	0.496
100	C75_Unbiased	27.864	27.614	0.250
100	C76_Unbiased	26.401	26.022	0.379
100	C79_Unbiased	26.529	26.728	-0.199
	Max	27.939	30.668	1.716
	Average	26.727	26.554	0.173
	Min	25.275	25.374	-4.728
	Std Dev	0.670	0.673	0.749

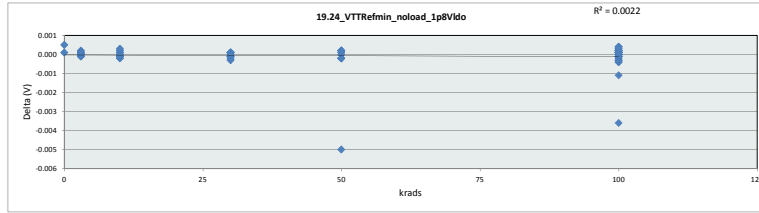


19_23_VTTRefmin_LoadReqsrc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	26.616	25.761	25.781	25.900	25.724	25.374
Average	26.649	26.435	26.339	26.565	26.394	26.660
Max	26.682	26.839	26.964	27.274	27.203	30.668
UL	100.000	100.000	100.000	100.000	100.000	100.000

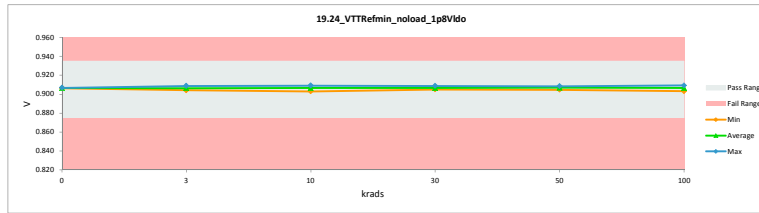


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19_24_VTTRefmin_noload_1p8V1				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.907	0.906	0.000
3	A116_Biased	0.907	0.907	0.000
3	A117_Biased	0.906	0.906	0.000
3	B36_Biased	0.906	0.906	0.000
3	B37_Biased	0.907	0.907	0.000
3	C39_Biased	0.906	0.906	0.000
3	A118_Unbiased	0.909	0.909	0.000
3	A140_Unbiased	0.907	0.907	0.000
3	B38_Unbiased	0.908	0.908	0.000
3	B39_Unbiased	0.904	0.904	0.000
3	C40_Unbiased	0.905	0.905	0.000
10	A119_Biased	0.908	0.908	0.000
10	A120_Biased	0.909	0.909	0.000
10	B40_Biased	0.905	0.906	0.000
10	C41_Biased	0.907	0.907	0.000
10	C42_Biased	0.909	0.909	0.000
10	A121_Unbiased	0.905	0.905	0.000
10	A124_Unbiased	0.903	0.903	0.000
10	B41_Unbiased	0.909	0.909	0.000
10	C43_Unbiased	0.905	0.905	0.000
10	C44_Unbiased	0.905	0.905	0.000
30	A125_Biased	0.907	0.907	0.000
30	B42_Biased	0.905	0.906	0.000
30	B43_Biased	0.907	0.907	0.000
30	C45_Biased	0.909	0.909	0.000
30	C46_Biased	0.905	0.905	0.000
30	A127_Unbiased	0.907	0.907	0.000
30	B45_Unbiased	0.905	0.905	0.000
30	B47_Unbiased	0.909	0.909	0.000
30	C47_Unbiased	0.906	0.906	0.000
30	C50_Unbiased	0.906	0.906	0.000
50	A128_Biased	0.908	0.907	0.000
50	A129_Biased	0.908	0.908	0.000
50	B48_Biased	0.905	0.906	0.000
50	B49_Biased	0.907	0.907	0.000
50	C51_Biased	0.908	0.908	0.000
50	A130_Unbiased	0.905	0.905	0.000
50	A131_Unbiased	0.906	0.906	0.000
50	B50_Unbiased	0.906	0.906	0.000
50	B51_Unbiased	0.903	-0.005	0.000
50	C53_Unbiased	0.906	0.906	0.000
0	106_Corr	0.907	0.907	0.000
100	A132_Biased	0.906	0.907	0.000
100	A134_Biased	0.905	0.906	-0.001
100	A135_Biased	0.906	0.906	0.000
100	B52_Biased	0.903	0.903	0.000
100	B54_Biased	0.906	0.906	0.000
100	B55_Biased	0.907	0.907	0.000
100	B56_Biased	0.908	0.908	0.000
100	B57_Biased	0.908	0.909	0.000
100	B59_Biased	0.905	0.905	0.000
100	B62_Biased	0.907	0.907	0.000
100	B63_Biased	0.907	0.907	0.000
100	B64_Biased	0.909	0.909	0.000
100	B66_Biased	0.907	0.906	0.000
100	B68_Biased	0.907	0.907	0.000
100	C54_Biased	0.906	0.905	0.000
100	C55_Biased	0.906	0.906	0.000
100	C56_Biased	0.908	0.908	0.000
100	C57_Biased	0.907	0.907	0.000
100	C58_Biased	0.906	0.906	0.000
100	C59_Biased	0.908	0.908	0.000
100	C65_Biased	0.906	0.906	0.000
100	C67_Biased	0.908	0.907	0.000
100	A122_Unbiased	0.909	0.909	0.000
100	A138_Unbiased	0.907	0.908	0.000
100	A139_Unbiased	0.906	0.906	0.000
100	B60_Unbiased	0.906	0.909	-0.004
100	B61_Unbiased	0.907	0.907	0.000
100	B69_Unbiased	0.906	0.905	0.000
100	B70_Unbiased	0.907	0.907	0.000
100	B71_Unbiased	0.905	0.905	0.000
100	B72_Unbiased	0.906	0.906	0.000
100	B73_Unbiased	0.905	0.905	0.000
100	B74_Unbiased	0.905	0.905	0.000
100	B77_Unbiased	0.906	0.906	0.000
100	B78_Unbiased	0.906	0.906	0.000
100	B79_Unbiased	0.906	0.906	0.000
100	B80_Unbiased	0.906	0.906	0.000
100	C70_Unbiased	0.904	0.904	0.000
100	C71_Unbiased	0.907	0.907	0.000
100	C72_Unbiased	0.906	0.906	0.000
100	C73_Unbiased	0.905	0.905	0.000
100	C75_Unbiased	0.907	0.907	0.000
100	C76_Unbiased	0.909	0.909	0.000
100	C78_Unbiased	0.908	0.908	0.000
	Max	0.909	0.909	0.000
	Average	0.906	0.907	0.000
	Min	0.903	0.903	-0.005
	Std Dev	0.001	0.001	0.001



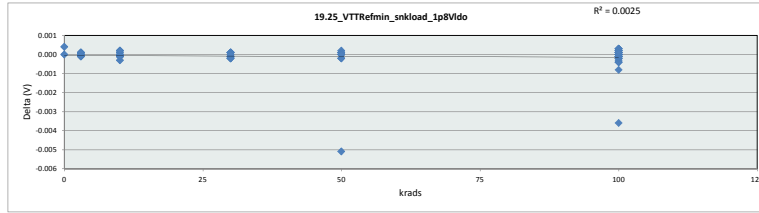
19_24_VTTRefmin_noload_1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.906	0.904	0.903	0.905	0.905	0.903
Average	0.907	0.906	0.907	0.907	0.907	0.906
Max	0.907	0.909	0.909	0.909	0.908	0.909
UL	0.935	0.935	0.935	0.935	0.935	0.935



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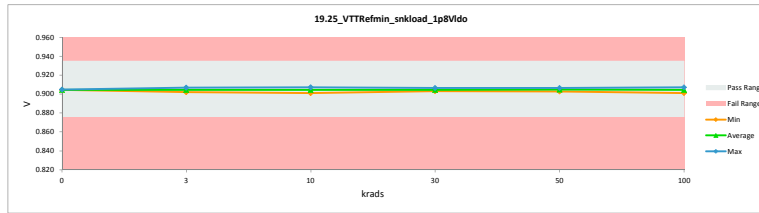
19_25_VTTRefmin_snkload_1p8V		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	0.935	0.935
Min Limit	0.875	0.875

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.905	0.904	0.000
3	A116_Biased	0.905	0.905	0.000
3	A117_Biased	0.904	0.904	0.000
3	B36_Biased	0.904	0.904	0.000
3	B37_Biased	0.905	0.905	0.000
3	C39_Biased	0.904	0.904	0.000
3	A118_Unbiased	0.907	0.907	0.000
3	A140_Unbiased	0.905	0.905	0.000
3	B38_Unbiased	0.905	0.905	0.000
3	B39_Unbiased	0.902	0.902	0.000
3	C40_Unbiased	0.903	0.903	0.000
10	A119_Biased	0.906	0.906	0.000
10	A120_Biased	0.907	0.907	0.000
10	B40_Biased	0.903	0.904	0.000
10	C41_Biased	0.905	0.905	0.000
10	C42_Biased	0.907	0.907	0.000
10	A121_Unbiased	0.903	0.903	0.000
10	A124_Unbiased	0.901	0.901	0.000
10	B41_Unbiased	0.906	0.907	0.000
10	C43_Unbiased	0.903	0.903	0.000
10	C44_Unbiased	0.903	0.903	0.000
30	A125_Biased	0.905	0.905	0.000
30	B42_Biased	0.903	0.904	0.000
30	B43_Biased	0.905	0.905	0.000
30	C45_Biased	0.907	0.906	0.000
30	C46_Biased	0.903	0.903	0.000
30	A127_Unbiased	0.905	0.905	0.000
30	B45_Unbiased	0.903	0.903	0.000
30	B47_Unbiased	0.907	0.907	0.000
30	C47_Unbiased	0.904	0.904	0.000
30	C50_Unbiased	0.904	0.904	0.000
50	A128_Biased	0.906	0.905	0.000
50	A129_Biased	0.906	0.906	0.000
50	B48_Biased	0.903	0.904	0.000
50	B49_Biased	0.905	0.905	0.000
50	C51_Biased	0.906	0.906	0.000
50	A130_Unbiased	0.902	0.903	0.000
50	A131_Unbiased	0.904	0.904	0.000
50	B50_Unbiased	0.905	0.904	0.000
50	B51_Unbiased	0.901	-0.005	0.000
50	C53_Unbiased	0.904	0.904	0.000
0	106_Corr	0.905	0.905	0.000
100	A132_Biased	0.904	0.905	0.000
100	A134_Biased	0.903	0.904	-0.001
100	A135_Biased	0.904	0.905	0.000
100	B52_Biased	0.901	0.901	0.000
100	B54_Biased	0.904	0.904	0.000
100	B55_Biased	0.905	0.905	0.000
100	B56_Biased	0.906	0.906	0.000
100	B57_Biased	0.906	0.906	0.000
100	B59_Biased	0.903	0.903	0.000
100	B62_Biased	0.905	0.905	0.000
100	B63_Biased	0.905	0.905	0.000
100	B64_Biased	0.907	0.906	0.000
100	B66_Biased	0.905	0.904	0.000
100	B68_Biased	0.905	0.905	0.000
100	C54_Biased	0.904	0.903	0.000
100	C55_Biased	0.905	0.905	0.000
100	C56_Biased	0.906	0.906	0.000
100	C57_Biased	0.905	0.905	0.000
100	C58_Biased	0.904	0.904	0.000
100	C59_Biased	0.906	0.906	0.000
100	C65_Biased	0.904	0.904	0.000
100	C67_Biased	0.905	0.905	0.000
100	A122_Unbiased	0.906	0.906	0.000
100	A138_Unbiased	0.905	0.905	0.000
100	A139_Unbiased	0.904	0.904	0.000
100	B60_Unbiased	0.904	0.907	-0.004
100	B61_Unbiased	0.905	0.905	0.000
100	B69_Unbiased	0.904	0.903	0.000
100	B70_Unbiased	0.905	0.905	0.000
100	B71_Unbiased	0.903	0.903	0.000
100	B72_Unbiased	0.904	0.904	0.000
100	B73_Unbiased	0.903	0.903	0.000
100	B74_Unbiased	0.903	0.902	0.000
100	B77_Unbiased	0.904	0.904	0.000
100	B78_Unbiased	0.904	0.904	0.000
100	B79_Unbiased	0.904	0.904	0.000
100	B80_Unbiased	0.904	0.904	0.000
100	C70_Unbiased	0.902	0.902	0.000
100	C71_Unbiased	0.905	0.905	0.000
100	C72_Unbiased	0.905	0.905	0.000
100	C73_Unbiased	0.903	0.903	0.000
100	C75_Unbiased	0.905	0.905	0.000
100	C76_Unbiased	0.907	0.907	0.000
100	C79_Unbiased	0.905	0.905	0.000
	Max	0.907	0.907	0.000
	Average	0.904	0.905	0.000
	Min	0.901	0.901	-0.005
	Std Dev	0.001	0.001	0.001



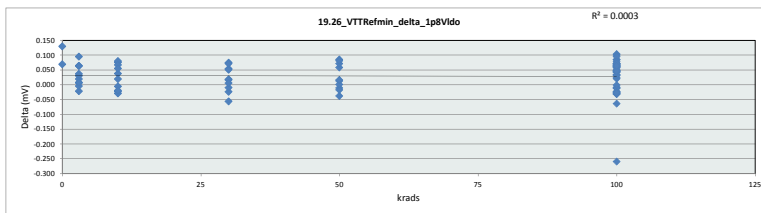
19_25_VTTRefmin_snkload_1p8V		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Max Limit	0.935	V
Min Limit	0.875	V

krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.904	0.902	0.901	0.903	0.903	0.901
Average	0.905	0.904	0.905	0.905	0.905	0.904
Max	0.905	0.907	0.907	0.907	0.906	0.907
UL	0.935	0.935	0.935	0.935	0.935	0.935

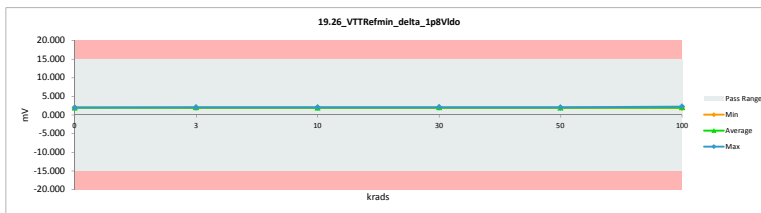


TID 100krad HDR Report
TPS7H3301-SP

19_26_VTTRefmin_delta_1p8VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.056	1.986	0.070
3	A116_Biased	2.032	2.012	0.020
3	A117_Biased	1.962	1.955	0.007
3	B36_Biased	2.022	1.991	0.031
3	B37_Biased	1.978	1.999	-0.021
3	C39_Biased	2.080	2.043	0.037
3	A118_Unbiased	1.944	1.948	-0.004
3	A140_Unbiased	2.056	1.961	0.095
3	B38_Unbiased	2.049	1.985	0.064
3	B39_Unbiased	2.013	2.005	0.008
3	C40_Unbiased	2.122	2.058	0.064
10	A119_Biased	1.945	1.925	0.020
10	A120_Biased	1.947	1.949	-0.022
10	B40_Biased	2.070	1.994	0.076
10	C41_Biased	2.071	1.991	0.080
10	C42_Biased	2.025	1.987	0.038
10	A121_Unbiased	1.995	1.990	-0.005
10	A124_Unbiased	1.976	2.005	-0.029
10	B41_Unbiased	1.985	2.004	-0.019
10	C43_Unbiased	2.114	2.047	0.067
10	C44_Unbiased	2.046	1.991	0.055
30	A125_Biased	1.948	1.971	-0.023
30	B42_Biased	2.084	2.093	-0.009
30	B43_Biased	1.952	1.933	0.019
30	C45_Biased	2.023	1.969	0.054
30	C46_Biased	2.129	2.054	0.075
30	A127_Unbiased	1.885	1.941	-0.056
30	B45_Unbiased	2.067	2.051	0.016
30	B47_Unbiased	2.049	2.043	0.006
30	C47_Unbiased	2.033	1.982	0.051
30	C50_Unbiased	2.114	2.022	0.092
50	A128_Biased	1.996	1.937	0.059
50	A129_Biased	2.055	2.042	0.013
50	B48_Biased	2.016	2.027	-0.011
50	B49_Biased	1.974	2.012	-0.038
50	C51_Biased	2.044	1.972	0.072
50	A130_Unbiased	1.983	2.000	-0.017
50	A131_Unbiased	1.995	1.994	0.001
50	B50_Unbiased	1.998	1.982	0.016
50	B51_Unbiased	2.069	1.983	0.086
50	C53_Unbiased	2.034	1.953	0.081
0	106_Corr	2.103	1.973	0.130
100	A132_Biased	1.998	1.977	0.021
100	A134_Biased	2.038	2.297	-0.259
100	A135_Biased	1.943	1.970	-0.027
100	B52_Biased	2.079	2.090	-0.011
100	B54_Biased	1.917	1.980	-0.063
100	B55_Biased	1.939	1.962	-0.023
100	B56_Biased	2.015	2.044	-0.029
100	B57_Biased	2.002	2.033	-0.031
100	B59_Biased	2.099	2.130	-0.031
100	B62_Biased	1.984	1.912	0.072
100	B63_Biased	2.045	1.984	0.061
100	B64_Biased	2.098	2.040	0.058
100	B66_Biased	2.057	2.008	0.049
100	B68_Biased	2.055	1.969	0.086
100	C54_Biased	2.075	2.009	0.066
100	C55_Biased	2.005	1.958	0.047
100	C56_Biased	2.040	1.975	0.065
100	C57_Biased	1.969	1.908	0.061
100	C58_Biased	2.027	1.984	0.043
100	C59_Biased	2.010	1.906	0.104
100	C65_Biased	1.951	1.959	-0.008
100	C67_Biased	2.059	1.958	0.101
100	A122_Unbiased	2.003	2.025	-0.022
100	A138_Unbiased	2.001	1.956	0.045
100	A139_Unbiased	1.936	1.948	-0.012
100	B60_Unbiased	2.068	2.095	-0.027
100	B61_Unbiased	2.020	1.996	0.024
100	B69_Unbiased	2.068	2.069	-0.001
100	B70_Unbiased	2.020	1.948	0.072
100	B71_Unbiased	2.136	2.102	0.034
100	B72_Unbiased	2.076	2.026	0.050
100	B73_Unbiased	2.095	2.000	0.095
100	B74_Unbiased	2.129	2.060	0.069
100	B77_Unbiased	2.051	2.019	0.032
100	B78_Unbiased	2.057	1.997	0.060
100	B79_Unbiased	2.044	1.981	0.063
100	B80_Unbiased	2.062	1.984	0.078
100	C70_Unbiased	2.044	2.010	0.034
100	C71_Unbiased	2.046	1.991	0.055
100	C72_Unbiased	2.024	1.982	0.042
100	C73_Unbiased	2.079	2.009	0.070
100	C75_Unbiased	2.092	2.020	0.072
100	C76_Unbiased	2.006	1.959	0.047
100	C79_Unbiased	2.049	1.985	0.064
	Max	2.136	2.297	0.130
	Average	2.030	2.000	0.030
	Min	1.885	1.906	-0.259
	Std Dev	0.054	0.055	0.053

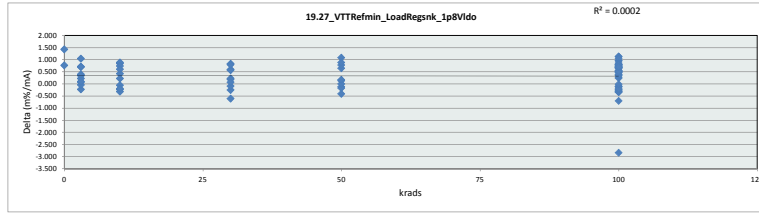


19_26_VTTRefmin_delta_1p8VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.973	1.948	1.925	1.933	1.937	1.906
Average	1.980	1.996	1.990	2.008	1.990	2.005
Max	1.986	2.058	2.047	2.093	2.042	2.297
UL	15.000	15.000	15.000	15.000	15.000	15.000

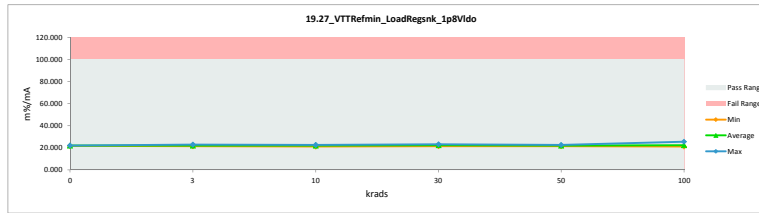


TID 100krad HDR Report
TPS7H3301-SP

19_27_VTTRefmin_LoadReqsnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	22.677	21.918	0.759
3	A116_Biased	22.404	22.182	0.222
3	A117_Biased	21.653	21.574	0.079
3	B36_Biased	22.307	21.967	0.340
3	B37_Biased	21.816	22.044	-0.228
3	C39_Biased	22.949	22.551	0.398
3	A118_Unbiased	21.392	21.439	-0.047
3	A140_Unbiased	22.677	21.631	1.046
3	B38_Unbiased	22.576	21.872	0.704
3	B39_Unbiased	22.264	22.171	0.093
3	C40_Unbiased	23.447	22.740	0.707
10	A119_Biased	21.428	21.207	0.221
10	A120_Biased	21.426	21.458	-0.232
10	B40_Biased	22.861	22.020	0.841
10	C41_Biased	22.829	21.950	0.879
10	C42_Biased	22.279	21.859	0.420
10	A121_Unbiased	21.926	21.983	-0.057
10	A124_Unbiased	21.885	22.207	-0.322
10	B41_Unbiased	21.855	22.052	-0.197
10	C43_Unbiased	23.353	22.621	0.732
10	C44_Unbiased	22.597	21.991	0.606
30	A125_Biased	21.477	21.736	-0.259
30	B42_Biased	23.012	23.109	-0.097
30	B43_Biased	21.523	21.305	0.218
30	C45_Biased	22.267	21.679	0.588
30	C46_Biased	23.522	22.693	0.829
30	A127_Unbiased	20.793	21.401	-0.608
30	B45_Unbiased	22.845	22.661	0.184
30	B47_Unbiased	22.544	22.484	0.060
30	C47_Unbiased	22.432	21.867	0.565
30	C50_Unbiased	23.346	22.549	0.797
50	A128_Biased	21.996	21.347	0.649
50	A129_Biased	22.619	22.483	0.136
50	B48_Biased	22.273	22.389	-0.116
50	B49_Biased	21.762	22.175	-0.413
50	C51_Biased	22.505	21.724	0.781
50	A130_Unbiased	21.925	22.103	-0.178
50	A131_Unbiased	22.011	22.009	0.002
50	B50_Unbiased	22.037	21.871	0.166
50	B51_Unbiased	22.908	21.832	1.076
50	C53_Unbiased	22.439	21.549	0.890
0	106_Corr	23.187	21.762	1.425
100	A132_Biased	22.042	21.805	0.237
100	A134_Biased	22.517	25.354	-2.837
100	A135_Biased	22.441	21.729	-0.288
100	B52_Biased	23.019	23.141	-0.122
100	B54_Biased	21.168	21.865	-0.697
100	B55_Biased	21.386	21.634	-0.248
100	B56_Biased	22.192	22.508	-0.316
100	B57_Biased	22.040	22.384	-0.344
100	B59_Biased	23.204	23.536	-0.332
100	B62_Biased	21.871	21.071	0.800
100	B63_Biased	22.551	21.880	0.671
100	B64_Biased	23.089	22.453	0.636
100	B66_Biased	22.691	22.150	0.541
100	B68_Biased	22.667	21.710	0.957
100	C54_Biased	22.918	22.192	0.726
100	C55_Biased	22.122	21.593	0.529
100	C56_Biased	22.701	21.757	0.944
100	C57_Biased	21.711	21.046	0.665
100	C58_Biased	22.364	21.892	0.472
100	C59_Biased	22.139	20.998	1.141
100	C65_Biased	21.536	21.692	-0.096
100	C67_Biased	22.690	21.575	1.115
100	A122_Unbiased	22.052	22.287	-0.235
100	A138_Unbiased	22.054	21.551	0.503
100	A139_Unbiased	21.366	21.492	-0.126
100	B60_Unbiased	22.838	23.036	-0.198
100	B61_Unbiased	22.279	22.008	0.271
100	B69_Unbiased	22.838	22.853	-0.015
100	B70_Unbiased	22.279	21.484	0.795
100	B71_Unbiased	23.593	23.219	0.375
100	B72_Unbiased	22.911	22.360	0.551
100	B73_Unbiased	23.145	22.109	1.036
100	B74_Unbiased	23.534	22.768	0.766
100	B77_Unbiased	22.639	22.288	0.351
100	B78_Unbiased	22.702	22.032	0.670
100	B79_Unbiased	22.563	21.871	0.692
100	B80_Unbiased	22.761	21.905	0.856
100	C70_Unbiased	22.612	22.233	0.379
100	C71_Unbiased	22.555	21.843	0.712
100	C72_Unbiased	22.327	21.868	0.459
100	C73_Unbiased	22.974	22.196	0.778
100	C75_Unbiased	23.068	22.278	0.790
100	C76_Unbiased	22.071	21.554	0.517
100	C79_Unbiased	22.577	21.881	0.696
	Max	23.593	25.354	1.425
	Average	22.393	22.063	0.331
	Min	20.793	20.998	-2.837
	Std Dev	0.601	0.614	0.582

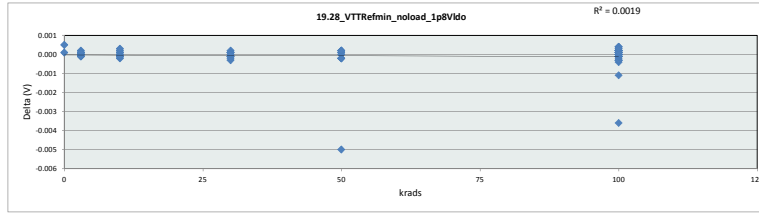


19_27_VTTRefmin_LoadReqsnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	21.762	21.439	21.207	21.305	21.347	20.998
Average	21.840	22.017	21.955	22.148	21.948	22.114
Max	21.918	22.740	22.621	23.109	22.483	25.354
UL	100.000	100.000	100.000	100.000	100.000	100.000

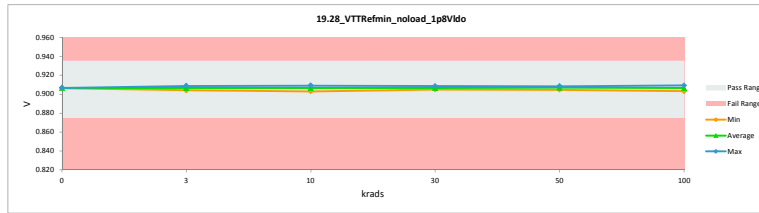


TID 100krad HDR Report
TPS7H3301-SP

19_28_VTTRefmin_noload_1p8V1				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.907	0.906	0.000
3	A116_Biased	0.907	0.907	0.000
3	A117_Biased	0.906	0.906	0.000
3	B36_Biased	0.906	0.906	0.000
3	B37_Biased	0.907	0.907	0.000
3	C39_Biased	0.906	0.906	0.000
3	A118_Unbiased	0.909	0.909	0.000
3	A140_Unbiased	0.907	0.907	0.000
3	B38_Unbiased	0.908	0.908	0.000
3	B39_Unbiased	0.904	0.904	0.000
3	C40_Unbiased	0.905	0.905	0.000
10	A119_Biased	0.908	0.908	0.000
10	A120_Biased	0.909	0.909	0.000
10	B40_Biased	0.905	0.906	0.000
10	C41_Biased	0.907	0.907	0.000
10	C42_Biased	0.909	0.909	0.000
10	A121_Unbiased	0.905	0.905	0.000
10	A124_Unbiased	0.903	0.903	0.000
10	B41_Unbiased	0.909	0.909	0.000
10	C43_Unbiased	0.905	0.905	0.000
10	C44_Unbiased	0.905	0.905	0.000
30	A125_Biased	0.907	0.907	0.000
30	B42_Biased	0.905	0.906	0.000
30	B43_Biased	0.907	0.907	0.000
30	C45_Biased	0.909	0.909	0.000
30	C46_Biased	0.905	0.905	0.000
30	A127_Unbiased	0.907	0.907	0.000
30	B45_Unbiased	0.905	0.905	0.000
30	B47_Unbiased	0.909	0.909	0.000
30	C47_Unbiased	0.906	0.906	0.000
30	C50_Unbiased	0.906	0.906	0.000
50	A128_Biased	0.908	0.907	0.000
50	A129_Biased	0.908	0.908	0.000
50	B48_Biased	0.905	0.906	0.000
50	B49_Biased	0.907	0.907	0.000
50	C51_Biased	0.908	0.908	0.000
50	A130_Unbiased	0.905	0.905	0.000
50	A131_Unbiased	0.906	0.906	0.000
50	B50_Unbiased	0.906	0.906	0.000
50	B51_Unbiased	0.903	-0.005	0.000
50	C53_Unbiased	0.906	0.906	0.000
0	106_Corr	0.907	0.907	0.000
100	A132_Biased	0.906	0.907	0.000
100	A134_Biased	0.905	0.906	-0.001
100	A135_Biased	0.906	0.906	0.000
100	B52_Biased	0.903	0.903	0.000
100	B54_Biased	0.906	0.906	0.000
100	B55_Biased	0.907	0.907	0.000
100	B56_Biased	0.908	0.908	0.000
100	B57_Biased	0.908	0.909	0.000
100	B59_Biased	0.905	0.905	0.000
100	B62_Biased	0.907	0.907	0.000
100	B63_Biased	0.907	0.907	0.000
100	B64_Biased	0.909	0.909	0.000
100	B66_Biased	0.907	0.906	0.000
100	B68_Biased	0.907	0.907	0.000
100	C54_Biased	0.906	0.905	0.000
100	C55_Biased	0.906	0.906	0.000
100	C56_Biased	0.908	0.908	0.000
100	C57_Biased	0.907	0.907	0.000
100	C58_Biased	0.906	0.906	0.000
100	C59_Biased	0.908	0.908	0.000
100	C65_Biased	0.906	0.906	0.000
100	C67_Biased	0.908	0.907	0.000
100	A122_Unbiased	0.909	0.909	0.000
100	A138_Unbiased	0.907	0.908	0.000
100	A139_Unbiased	0.906	0.906	0.000
100	B60_Unbiased	0.906	0.909	-0.004
100	B61_Unbiased	0.907	0.907	0.000
100	B69_Unbiased	0.906	0.905	0.000
100	B70_Unbiased	0.907	0.907	0.000
100	B71_Unbiased	0.906	0.905	0.000
100	B72_Unbiased	0.906	0.906	0.000
100	B73_Unbiased	0.905	0.905	0.000
100	B74_Unbiased	0.905	0.905	0.000
100	B77_Unbiased	0.906	0.906	0.000
100	B78_Unbiased	0.906	0.906	0.000
100	B79_Unbiased	0.906	0.906	0.000
100	B80_Unbiased	0.906	0.906	0.000
100	C70_Unbiased	0.904	0.904	0.000
100	C71_Unbiased	0.907	0.907	0.000
100	C72_Unbiased	0.906	0.906	0.000
100	C73_Unbiased	0.905	0.905	0.000
100	C75_Unbiased	0.907	0.907	0.000
100	C76_Unbiased	0.909	0.909	0.000
100	C78_Unbiased	0.908	0.908	0.000
	Max	0.909	0.909	0.000
	Average	0.906	0.907	0.000
	Min	0.903	0.903	-0.005
	Std Dev	0.001	0.001	0.001

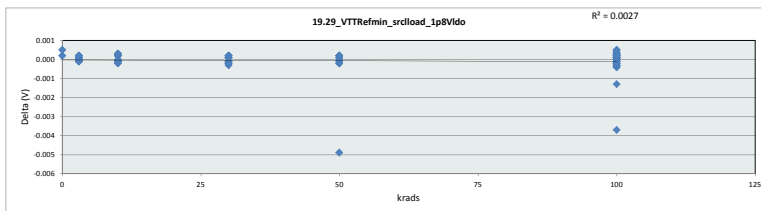


19_28_VTTRefmin_noload_1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.906	0.904	0.903	0.905	0.905	0.903
Average	0.907	0.906	0.907	0.907	0.907	0.906
Max	0.907	0.909	0.909	0.909	0.908	0.909
UL	0.935	0.935	0.935	0.935	0.935	0.935

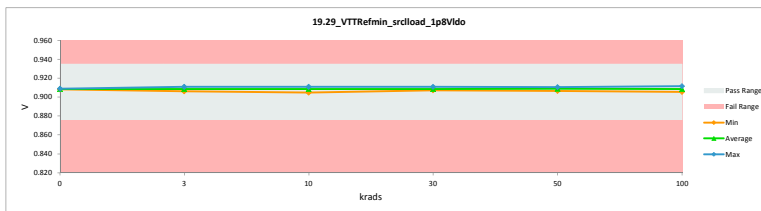


TID 100krad HDR Report
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19_29_VTTRefmin_srcload_1p8k				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.909	0.908	0.001
3	A116_Biased	0.909	0.909	0.000
3	A117_Biased	0.908	0.908	0.000
3	B36_Biased	0.908	0.908	0.000
3	B37_Biased	0.909	0.909	0.000
3	C39_Biased	0.908	0.908	0.000
3	A118_Unbiased	0.911	0.911	0.000
3	A140_Unbiased	0.909	0.909	0.000
3	B38_Unbiased	0.910	0.910	0.000
3	B39_Unbiased	0.906	0.906	0.000
3	C40_Unbiased	0.907	0.907	0.000
10	A119_Biased	0.910	0.910	0.000
10	A120_Biased	0.911	0.911	0.000
10	B40_Biased	0.908	0.908	0.000
10	C41_Biased	0.909	0.909	0.000
10	C42_Biased	0.911	0.911	0.000
10	A121_Unbiased	0.907	0.907	0.000
10	A124_Unbiased	0.905	0.905	0.000
10	B41_Unbiased	0.910	0.911	0.000
10	C43_Unbiased	0.907	0.907	0.000
10	C44_Unbiased	0.908	0.907	0.000
30	A125_Biased	0.909	0.909	0.000
30	B42_Biased	0.908	0.908	0.000
30	B43_Biased	0.909	0.909	0.000
30	C45_Biased	0.911	0.910	0.000
30	C46_Biased	0.907	0.907	0.000
30	A127_Unbiased	0.909	0.909	0.000
30	B45_Unbiased	0.907	0.907	0.000
30	B47_Unbiased	0.911	0.911	0.000
30	C47_Unbiased	0.908	0.908	0.000
30	C50_Unbiased	0.908	0.908	0.000
50	A128_Biased	0.910	0.909	0.000
50	A129_Biased	0.910	0.910	0.000
50	B48_Biased	0.907	0.908	0.000
50	B49_Biased	0.909	0.909	0.000
50	C51_Biased	0.910	0.910	0.000
50	A130_Unbiased	0.906	0.907	0.000
50	A131_Unbiased	0.908	0.908	0.000
50	B50_Unbiased	0.909	0.908	0.000
50	B51_Unbiased	0.905	0.910	-0.005
50	C53_Unbiased	0.908	0.908	0.000
0	106_Corr	0.909	0.909	0.000
100	A132_Biased	0.908	0.909	0.000
100	A134_Biased	0.907	0.908	-0.001
100	A135_Biased	0.908	0.908	0.000
100	B52_Biased	0.905	0.905	0.000
100	B54_Biased	0.908	0.908	0.000
100	B55_Biased	0.909	0.909	0.000
100	B56_Biased	0.910	0.910	0.000
100	B57_Biased	0.910	0.910	0.000
100	B59_Biased	0.907	0.907	0.000
100	B62_Biased	0.909	0.909	0.000
100	B63_Biased	0.909	0.909	0.000
100	B64_Biased	0.911	0.911	0.000
100	B66_Biased	0.909	0.908	0.000
100	B68_Biased	0.909	0.909	0.000
100	C54_Biased	0.908	0.907	0.000
100	C55_Biased	0.909	0.909	0.000
100	C56_Biased	0.910	0.910	0.000
100	C57_Biased	0.909	0.909	0.000
100	C58_Biased	0.908	0.908	0.000
100	C59_Biased	0.910	0.910	0.000
100	C65_Biased	0.908	0.908	0.000
100	C67_Biased	0.910	0.909	0.000
100	A122_Unbiased	0.910	0.911	0.000
100	A138_Unbiased	0.909	0.910	0.000
100	A139_Unbiased	0.908	0.908	0.000
100	B60_Unbiased	0.908	0.911	-0.004
100	B61_Unbiased	0.909	0.909	0.000
100	B69_Unbiased	0.908	0.908	0.000
100	B70_Unbiased	0.909	0.909	0.000
100	B71_Unbiased	0.908	0.907	0.000
100	B72_Unbiased	0.908	0.908	0.000
100	B73_Unbiased	0.907	0.907	0.000
100	B74_Unbiased	0.907	0.907	0.000
100	B77_Unbiased	0.908	0.908	0.000
100	B78_Unbiased	0.908	0.908	0.000
100	B79_Unbiased	0.908	0.908	0.000
100	B80_Unbiased	0.908	0.908	0.001
100	C70_Unbiased	0.906	0.906	0.000
100	C71_Unbiased	0.909	0.909	0.000
100	C72_Unbiased	0.909	0.909	0.000
100	C73_Unbiased	0.907	0.907	0.000
100	C75_Unbiased	0.909	0.909	0.000
100	C76_Unbiased	0.911	0.911	0.000
100	C79_Unbiased	0.910	0.909	0.000
	Max	0.911	0.911	0.001
	Average	0.908	0.909	0.000
	Min	0.905	0.905	-0.005
	Std Dev	0.001	0.001	0.001

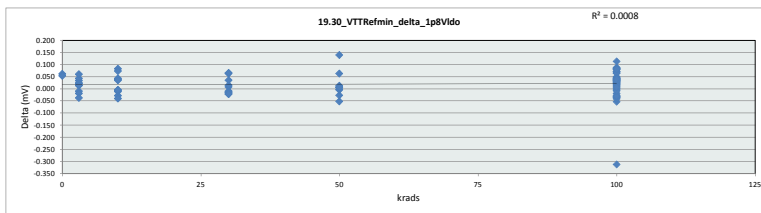


19_29_VTTRefmin_srcload_1p8k						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.935 V					
Min Limit	0.875 V					
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.908	0.906	0.905	0.907	0.907	0.905
Average	0.909	0.908	0.908	0.909	0.909	0.909
Max	0.909	0.911	0.911	0.911	0.910	0.911
UL	0.935	0.935	0.935	0.935	0.935	0.935

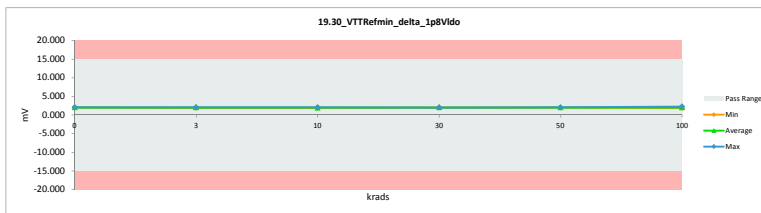


TID 100krad HDR Report
TPS7H3301-SP

19_30_VTTRefmin_delta_1p8VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.056	1.994	0.062
3	A116_Biased	2.066	2.052	0.014
3	A117_Biased	1.905	1.942	0.023
3	B36_Biased	2.029	1.995	0.034
3	B37_Biased	2.011	2.020	-0.009
3	C39_Biased	2.080	2.037	0.043
3	A118_Unbiased	1.918	1.936	-0.018
3	A140_Unbiased	2.056	2.032	0.024
3	B38_Unbiased	2.055	2.041	0.014
3	B39_Unbiased	1.944	1.981	-0.037
3	C40_Unbiased	2.064	2.004	0.060
10	A119_Biased	1.954	1.982	-0.028
10	A120_Biased	1.932	1.943	-0.011
10	B40_Biased	2.033	1.993	0.040
10	C41_Biased	2.087	2.043	0.044
10	C42_Unbiased	2.000	1.965	0.035
10	A121_Unbiased	1.948	1.992	-0.040
10	A124_Unbiased	2.046	2.050	-0.004
10	B41_Unbiased	2.008	2.013	-0.005
10	C43_Unbiased	2.057	1.974	0.083
10	C44_Unbiased	2.018	1.944	0.074
30	A125_Biased	1.977	1.987	-0.010
30	B42_Biased	2.035	2.027	0.008
30	B43_Biased	1.960	1.981	-0.021
30	C45_Biased	1.999	1.985	0.014
30	C46_Biased	2.067	2.004	0.063
30	A127_Unbiased	1.953	1.967	-0.014
30	B45_Unbiased	1.972	1.987	-0.015
30	B47_Unbiased	2.001	2.022	-0.021
30	C47_Unbiased	2.022	1.987	0.035
30	C50_Unbiased	2.079	2.013	0.066
50	A128_Biased	1.989	2.015	-0.026
50	A129_Biased	2.062	2.063	-0.001
50	B48_Biased	1.964	1.968	-0.004
50	B49_Biased	2.002	2.054	-0.052
50	C51_Biased	2.020	2.007	0.013
50	A130_Unbiased	1.967	1.959	0.008
50	A131_Unbiased	1.998	1.993	0.005
50	B50_Unbiased	1.990	1.984	0.006
50	B51_Unbiased	2.132	1.992	0.140
50	C53_Unbiased	2.035	1.972	0.063
0	106_Corr	2.091	2.037	0.054
100	A132_Biased	1.986	2.039	-0.053
100	A134_Biased	1.971	2.283	-0.312
100	A135_Biased	1.976	1.971	0.005
100	B52_Biased	2.133	2.123	0.010
100	B54_Biased	1.971	1.944	0.027
100	B55_Biased	1.973	2.000	-0.027
100	B56_Biased	2.042	2.041	0.001
100	B57_Biased	2.004	2.040	-0.036
100	B59_Biased	2.026	2.067	-0.041
100	B62_Biased	2.007	1.972	0.035
100	B63_Biased	2.087	2.037	0.050
100	B64_Biased	2.077	2.056	0.021
100	B66_Biased	2.076	2.003	0.073
100	B68_Biased	2.062	1.996	0.066
100	C54_Biased	2.039	1.968	0.071
100	C55_Biased	2.016	1.985	0.031
100	C56_Biased	2.075	2.029	0.046
100	C57_Biased	2.008	1.967	0.041
100	C58_Biased	2.026	1.993	0.033
100	C59_Biased	2.024	1.985	0.039
100	C65_Biased	1.993	1.905	0.088
100	C67_Biased	2.039	2.018	0.021
100	A122_Unbiased	2.007	2.026	-0.019
100	A138_Unbiased	2.006	2.037	-0.031
100	A139_Unbiased	1.934	1.964	-0.030
100	B60_Unbiased	2.064	2.068	-0.004
100	B61_Unbiased	2.042	2.050	-0.008
100	B69_Unbiased	2.064	1.984	0.080
100	B70_Unbiased	2.042	2.027	0.015
100	B71_Unbiased	2.094	2.054	0.044
100	B72_Unbiased	2.082	1.996	0.086
100	B73_Unbiased	2.007	1.967	0.040
100	B74_Unbiased	2.042	2.016	0.026
100	B77_Unbiased	2.057	1.974	0.083
100	B78_Unbiased	2.063	1.998	0.065
100	B79_Unbiased	2.066	1.981	0.085
100	B80_Unbiased	2.070	1.957	0.113
100	C70_Unbiased	1.990	1.971	0.019
100	C71_Unbiased	2.001	2.001	0.001
100	C72_Unbiased	2.023	1.990	0.033
100	C73_Unbiased	2.006	1.961	0.045
100	C75_Unbiased	2.121	2.088	0.033
100	C76_Unbiased	1.992	1.951	0.041
100	C79_Unbiased	2.050	2.043	0.007
	Max	2.133	2.283	0.140
	Average	2.024	2.005	0.019
	Min	1.908	1.905	-0.312
	Std Dev	0.049	0.049	0.054

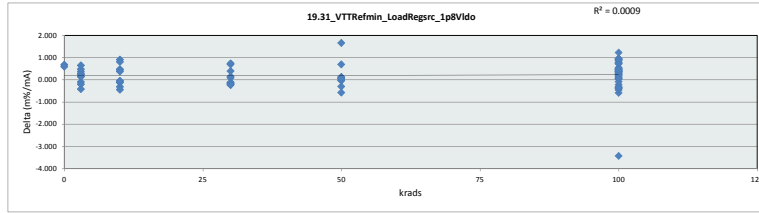


19_30_VTTRefmin_delta_1p8VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.994	1.936	1.943	1.967	1.959	1.905
Average	2.016	2.004	1.986	1.996	2.001	2.012
Max	2.037	2.052	2.050	2.027	2.063	2.283
UL	15.000	15.000	15.000	15.000	15.000	15.000

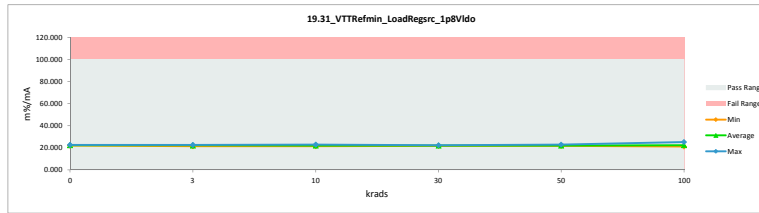


TID 100krad HDR Report
TPS7H3301-SP

19_31_VTTRefmin_LoadReqsrc_1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	22.676	21.999	0.677
3	A116_Biased	22.779	22.625	0.154
3	A117_Biased	21.685	21.429	0.256
3	B36_Biased	22.382	22.016	0.366
3	B37_Biased	22.177	22.270	-0.093
3	C39_Unbiased	22.953	22.479	0.474
3	A118_Unbiased	21.111	21.309	-0.198
3	A140_Unbiased	22.676	22.406	0.270
3	B38_Unbiased	22.643	22.490	0.153
3	B39_Unbiased	21.498	21.907	-0.409
3	C40_Unbiased	22.796	22.141	0.655
10	A119_Biased	21.529	21.835	-0.306
10	A120_Biased	21.078	21.380	-0.125
10	B40_Biased	22.454	22.002	0.452
10	C41_Biased	23.001	22.522	0.479
10	C42_Biased	22.000	21.623	0.377
10	A121_Unbiased	21.078	21.524	-0.446
10	A124_Unbiased	22.659	22.706	-0.047
10	B41_Unbiased	22.107	22.159	-0.052
10	C43_Unbiased	22.729	21.820	0.909
10	C44_Unbiased	22.287	21.475	0.812
30	A125_Biased	22.905	21.917	0.988
30	B42_Biased	22.479	22.386	0.093
30	B43_Biased	21.610	21.837	-0.227
30	C45_Biased	21.998	21.844	0.154
30	C46_Biased	22.838	22.143	0.695
30	A127_Unbiased	21.837	21.684	0.147
30	B45_Unbiased	21.787	21.951	-0.164
30	B47_Unbiased	22.017	22.250	-0.233
30	C47_Unbiased	22.312	21.922	0.390
30	C50_Unbiased	22.961	22.224	0.737
50	A128_Biased	21.912	22.208	-0.296
50	A129_Biased	22.696	22.713	-0.017
50	B48_Biased	21.693	21.737	-0.044
50	B49_Biased	22.076	22.644	-0.568
50	C51_Biased	22.242	22.110	0.132
50	A130_Unbiased	21.749	21.656	0.093
50	A131_Unbiased	22.044	21.992	0.052
50	B50_Unbiased	21.953	21.889	0.064
50	B51_Unbiased	23.598	21.935	1.663
50	C53_Unbiased	22.457	21.757	0.700
0	106_Corr	23.064	22.463	0.601
100	A132_Biased	21.907	22.489	-0.582
100	A134_Biased	21.779	25.200	-3.421
100	A135_Biased	21.560	21.745	-0.385
100	B52_Biased	23.610	23.503	0.107
100	B54_Biased	21.768	21.463	0.305
100	B55_Biased	21.759	22.053	-0.294
100	B56_Biased	22.497	22.471	0.026
100	B57_Biased	22.063	22.455	-0.392
100	B59_Biased	22.389	22.844	-0.455
100	B62_Biased	22.119	21.731	0.388
100	B63_Biased	23.020	22.462	0.558
100	B64_Biased	22.052	22.624	0.228
100	B66_Biased	22.896	22.098	0.798
100	B68_Biased	22.742	22.012	0.730
100	C54_Biased	22.519	21.746	0.773
100	C55_Biased	22.237	21.899	0.338
100	C56_Biased	22.865	22.348	0.517
100	C57_Biased	22.147	21.697	0.450
100	C58_Biased	22.356	21.995	0.361
100	C59_Biased	22.301	21.868	0.433
100	C65_Biased	22.007	21.037	0.970
100	C67_Biased	22.471	22.235	0.236
100	A122_Unbiased	22.093	22.300	-0.207
100	A138_Unbiased	22.102	22.443	-0.341
100	A139_Unbiased	21.334	21.674	-0.340
100	B60_Unbiased	22.795	22.748	0.047
100	B61_Unbiased	22.522	22.606	-0.084
100	B69_Unbiased	22.795	21.910	0.885
100	B70_Unbiased	22.522	22.355	0.167
100	B71_Unbiased	23.121	22.640	0.481
100	B72_Unbiased	22.981	22.034	0.947
100	B73_Unbiased	22.181	21.747	0.434
100	B74_Unbiased	22.570	22.287	0.283
100	B77_Unbiased	22.710	21.792	0.918
100	B78_Unbiased	22.770	22.051	0.719
100	B79_Unbiased	22.806	21.871	0.935
100	B80_Unbiased	22.844	21.608	1.236
100	C70_Unbiased	22.007	21.802	0.205
100	C71_Unbiased	22.952	22.062	0.890
100	C72_Unbiased	22.313	21.954	0.359
100	C73_Unbiased	22.162	21.663	0.499
100	C75_Unbiased	23.394	23.022	0.372
100	C76_Unbiased	21.919	21.465	0.454
100	C79_Unbiased	22.589	22.514	0.075
	Max	23.610	25.200	1.663
	Average	22.331	22.115	0.216
	Min	21.078	21.037	-3.421
	Std Dev	0.544	0.540	0.596

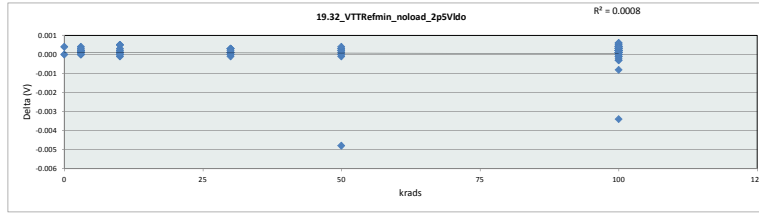


19_31_VTTRefmin_LoadReqsrc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	21.999	21.309	21.380	21.684	21.656	21.037
Average	22.231	22.107	21.905	22.015	22.064	22.194
Max	22.463	22.625	22.706	22.386	22.713	25.200
UL	100.000	100.000	100.000	100.000	100.000	100.000

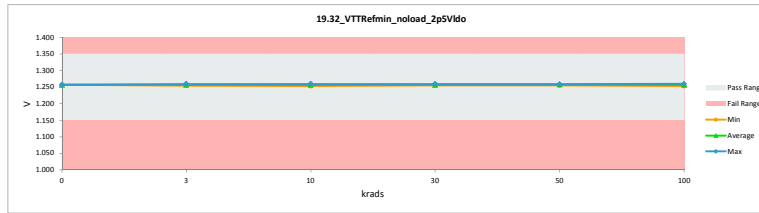


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19_32_VTTRefmin_noload_2p5Vd				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.257	1.257	0.000
3	A116_Biased	1.258	1.257	0.000
3	A117_Biased	1.257	1.256	0.000
3	B36_Biased	1.257	1.257	0.000
3	B37_Biased	1.257	1.257	0.000
3	C39_Biased	1.257	1.256	0.000
3	A118_Unbiased	1.259	1.259	0.000
3	A140_Unbiased	1.257	1.257	0.000
3	B38_Unbiased	1.258	1.258	0.000
3	B39_Unbiased	1.255	1.255	0.000
3	C40_Unbiased	1.256	1.255	0.000
10	A119_Biased	1.258	1.258	0.000
10	A120_Biased	1.259	1.259	0.000
10	B40_Biased	1.256	1.256	0.000
10	C41_Biased	1.258	1.257	0.000
10	C42_Biased	1.260	1.259	0.000
10	A121_Unbiased	1.256	1.255	0.000
10	A124_Unbiased	1.253	1.253	0.000
10	B41_Unbiased	1.259	1.259	0.000
10	C43_Unbiased	1.256	1.255	0.000
10	C44_Unbiased	1.256	1.255	0.001
30	A125_Biased	1.257	1.257	0.000
30	B42_Biased	1.256	1.256	0.000
30	B43_Biased	1.257	1.257	0.000
30	C45_Biased	1.259	1.259	0.000
30	C46_Biased	1.256	1.255	0.000
30	A127_Unbiased	1.257	1.257	0.000
30	B45_Unbiased	1.255	1.255	0.000
30	B47_Unbiased	1.259	1.259	0.000
30	C47_Unbiased	1.257	1.257	0.000
30	C50_Unbiased	1.256	1.256	0.000
50	A128_Biased	1.258	1.258	0.000
50	A129_Biased	1.259	1.259	0.000
50	B48_Biased	1.256	1.256	0.000
50	B49_Biased	1.258	1.258	0.000
50	C51_Biased	1.258	1.258	0.000
50	A130_Unbiased	1.255	1.255	0.000
50	A131_Unbiased	1.257	1.257	0.000
50	B50_Unbiased	1.257	1.257	0.000
50	B51_Unbiased	1.254	1.259	-0.005
50	C53_Unbiased	1.257	1.257	0.000
0	106_Corr	1.257	1.257	0.000
100	A132_Biased	1.257	1.257	0.000
100	A134_Biased	1.256	1.256	-0.001
100	A135_Biased	1.257	1.257	0.000
100	B52_Biased	1.254	1.254	0.000
100	B54_Biased	1.256	1.256	0.000
100	B55_Biased	1.257	1.257	0.000
100	B56_Biased	1.258	1.258	0.000
100	B57_Biased	1.259	1.259	0.000
100	B59_Biased	1.255	1.255	0.000
100	B62_Biased	1.258	1.258	0.000
100	B63_Biased	1.257	1.257	0.000
100	B64_Biased	1.259	1.259	0.000
100	B66_Biased	1.257	1.257	0.000
100	B68_Biased	1.257	1.257	0.000
100	C54_Biased	1.256	1.255	0.001
100	C55_Biased	1.257	1.257	0.000
100	C56_Biased	1.258	1.258	0.000
100	C57_Biased	1.257	1.257	0.000
100	C58_Biased	1.257	1.257	0.000
100	C59_Biased	1.258	1.258	0.000
100	C65_Biased	1.256	1.256	0.000
100	C67_Biased	1.258	1.258	0.000
100	A122_Unbiased	1.259	1.259	0.000
100	A138_Unbiased	1.258	1.258	0.000
100	A139_Unbiased	1.257	1.257	0.000
100	B60_Unbiased	1.256	1.260	-0.003
100	B61_Unbiased	1.257	1.257	0.000
100	B69_Unbiased	1.256	1.256	0.000
100	B70_Unbiased	1.257	1.257	0.000
100	B71_Unbiased	1.256	1.256	0.000
100	B72_Unbiased	1.257	1.256	0.000
100	B73_Unbiased	1.255	1.255	0.000
100	B74_Unbiased	1.255	1.255	0.000
100	B77_Unbiased	1.257	1.256	0.000
100	B78_Unbiased	1.257	1.257	0.000
100	B79_Unbiased	1.256	1.256	0.000
100	B80_Unbiased	1.257	1.256	0.001
100	C70_Unbiased	1.255	1.254	0.000
100	C71_Unbiased	1.257	1.257	0.000
100	C72_Unbiased	1.257	1.257	0.000
100	C73_Unbiased	1.256	1.255	0.000
100	C75_Unbiased	1.257	1.257	0.000
100	C76_Unbiased	1.259	1.259	0.000
100	C79_Unbiased	1.258	1.258	0.000
	Max	1.260	1.260	0.001
	Average	1.257	1.257	0.000
	Min	1.253	1.253	-0.005
	Std Dev	0.001	0.001	0.001

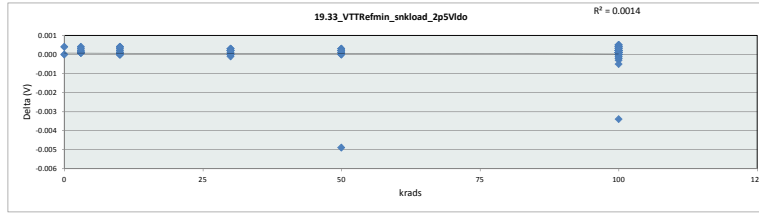


19_32_VTTRefmin_noload_2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.257	1.255	1.253	1.255	1.255	1.254
Average	1.257	1.257	1.257	1.257	1.257	1.257
Max	1.257	1.259	1.259	1.259	1.259	1.260
UL	1.350	1.350	1.350	1.350	1.350	1.350

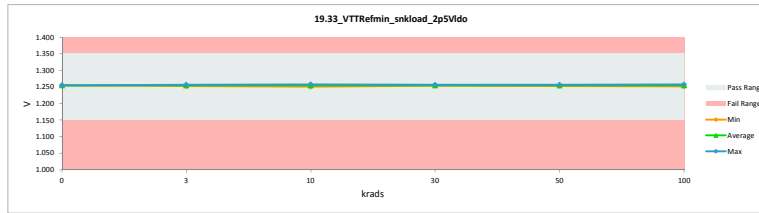


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19_33_VTTRefmin_snkload_2p5V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.255	1.255	0.000
3	A116_Biased	1.255	1.255	0.000
3	A117_Biased	1.255	1.255	0.000
3	B36_Biased	1.255	1.255	0.000
3	B37_Biased	1.255	1.255	0.000
3	C39_Biased	1.255	1.254	0.000
3	A118_Unbiased	1.257	1.257	0.000
3	A140_Unbiased	1.255	1.255	0.000
3	B38_Unbiased	1.256	1.256	0.000
3	B39_Unbiased	1.253	1.253	0.000
3	C40_Unbiased	1.254	1.253	0.000
10	A119_Biased	1.256	1.256	0.000
10	A120_Biased	1.257	1.257	0.000
10	B40_Biased	1.254	1.254	0.000
10	C41_Biased	1.256	1.255	0.000
10	C42_Biased	1.258	1.257	0.000
10	A121_Unbiased	1.254	1.254	0.000
10	A124_Unbiased	1.251	1.251	0.000
10	B41_Unbiased	1.257	1.257	0.000
10	C43_Unbiased	1.253	1.253	0.000
10	C44_Unbiased	1.254	1.254	0.000
30	A125_Biased	1.255	1.255	0.000
30	B42_Biased	1.254	1.254	0.000
30	B43_Biased	1.255	1.255	0.000
30	C45_Biased	1.257	1.257	0.000
30	C46_Biased	1.254	1.253	0.000
30	A127_Unbiased	1.255	1.255	0.000
30	B45_Unbiased	1.253	1.253	0.000
30	B47_Unbiased	1.257	1.257	0.000
30	C47_Unbiased	1.255	1.255	0.000
30	C50_Unbiased	1.254	1.254	0.000
50	A128_Biased	1.256	1.256	0.000
50	A129_Biased	1.257	1.257	0.000
50	B48_Biased	1.254	1.254	0.000
50	B49_Biased	1.255	1.255	0.000
50	C51_Biased	1.257	1.256	0.000
50	A130_Unbiased	1.253	1.253	0.000
50	A131_Unbiased	1.255	1.255	0.000
50	B50_Unbiased	1.255	1.255	0.000
50	B51_Unbiased	1.257	-0.005	0.000
50	C53_Unbiased	1.255	1.255	0.000
0	106_Corr	1.255	1.255	0.000
100	A132_Biased	1.255	1.255	0.000
100	A134_Biased	1.254	1.254	0.000
100	A135_Biased	1.255	1.255	0.000
100	B52_Biased	1.252	1.252	0.000
100	B54_Biased	1.254	1.254	0.000
100	B55_Biased	1.255	1.255	0.000
100	B56_Biased	1.256	1.256	0.000
100	B57_Biased	1.257	1.257	0.000
100	B59_Biased	1.253	1.253	0.000
100	B62_Biased	1.256	1.256	0.000
100	B63_Biased	1.255	1.255	0.000
100	B64_Biased	1.257	1.257	0.000
100	B66_Biased	1.255	1.255	0.000
100	B68_Biased	1.255	1.255	0.000
100	C54_Biased	1.254	1.253	0.000
100	C55_Biased	1.255	1.255	0.000
100	C56_Biased	1.256	1.256	0.000
100	C57_Biased	1.255	1.255	0.000
100	C58_Biased	1.255	1.255	0.000
100	C59_Biased	1.256	1.256	0.000
100	C65_Biased	1.254	1.254	0.000
100	C67_Biased	1.256	1.256	0.000
100	A122_Unbiased	1.257	1.257	0.000
100	A138_Unbiased	1.256	1.256	0.000
100	A139_Unbiased	1.255	1.255	0.000
100	B60_Unbiased	1.254	1.258	-0.003
100	B61_Unbiased	1.255	1.255	0.000
100	B69_Unbiased	1.254	1.254	0.000
100	B70_Unbiased	1.255	1.255	0.000
100	B71_Unbiased	1.254	1.254	0.000
100	B72_Unbiased	1.255	1.254	0.000
100	B73_Unbiased	1.253	1.253	0.000
100	B74_Unbiased	1.253	1.253	0.000
100	B77_Unbiased	1.255	1.254	0.000
100	B78_Unbiased	1.255	1.255	0.000
100	B79_Unbiased	1.254	1.254	0.000
100	B80_Unbiased	1.255	1.254	0.001
100	C70_Unbiased	1.253	1.252	0.000
100	C71_Unbiased	1.255	1.255	0.000
100	C72_Unbiased	1.255	1.255	0.000
100	C73_Unbiased	1.254	1.253	0.000
100	C75_Unbiased	1.255	1.255	0.000
100	C76_Unbiased	1.257	1.257	0.000
100	C79_Unbiased	1.256	1.256	0.000
	Max	1.258	1.258	0.001
	Average	1.255	1.255	0.000
	Min	1.251	1.251	-0.005
	Std Dev	0.001	0.001	0.001

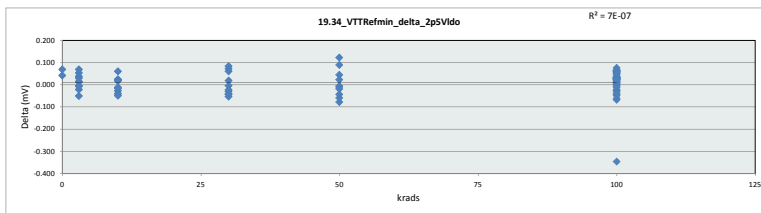


19_33_VTTRefmin_snkload_2p5V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.255	1.253	1.251	1.253	1.253	1.252
Average	1.255	1.255	1.255	1.255	1.255	1.255
Max	1.255	1.257	1.257	1.257	1.257	1.258
UL	1.350	1.350	1.350	1.350	1.350	1.350

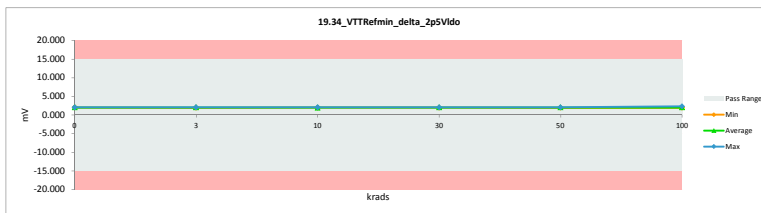


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19_34_VTTRefmin_delta_2p5VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.062	2.020	0.042
3	A116_Biased	2.073	2.060	0.013
3	A117_Biased	1.978	1.940	0.038
3	B36_Biased	2.025	2.031	-0.006
3	B37_Biased	2.023	2.044	-0.021
3	C39_Biased	2.095	2.042	0.053
3	A118_Unbiased	1.928	1.933	-0.005
3	A140_Unbiased	2.062	2.031	0.031
3	B38_Unbiased	2.031	2.016	0.015
3	B39_Unbiased	1.929	1.979	-0.050
3	C40_Unbiased	2.063	1.994	0.069
10	A119_Biased	1.942	1.969	-0.027
10	A120_Biased	1.928	1.948	-0.040
10	B40_Biased	2.037	2.048	-0.011
10	C41_Biased	2.057	2.037	0.020
10	C42_Biased	2.000	1.975	0.025
10	A121_Unbiased	1.919	1.967	-0.049
10	A124_Unbiased	1.967	1.983	-0.016
10	B41_Unbiased	2.021	1.998	0.023
10	C43_Unbiased	2.043	2.026	0.017
10	C44_Unbiased	2.017	1.956	0.061
30	A125_Biased	1.994	2.038	-0.041
30	B42_Biased	2.048	2.078	-0.030
30	B43_Biased	1.953	1.957	-0.004
30	C45_Biased	2.021	1.948	0.073
30	C46_Biased	2.078	1.994	0.084
30	A127_Unbiased	1.922	1.975	-0.053
30	B45_Unbiased	1.952	1.995	-0.043
30	B47_Unbiased	2.003	2.026	-0.023
30	C47_Unbiased	2.030	1.969	0.061
30	C50_Unbiased	2.072	2.072	0.019
50	A128_Biased	1.974	1.980	-0.006
50	A129_Biased	2.058	2.013	0.045
50	B48_Biased	1.967	2.045	-0.078
50	B49_Biased	1.962	2.041	-0.059
50	C51_Biased	2.025	2.001	0.024
50	A130_Unbiased	1.962	2.005	-0.043
50	A131_Unbiased	1.996	2.006	-0.010
50	B50_Unbiased	1.988	2.006	-0.018
50	B51_Unbiased	2.075	1.952	0.123
50	C53_Unbiased	2.036	1.946	0.090
0	106_Corr	2.106	2.036	0.070
100	A132_Biased	1.987	2.049	-0.062
100	A134_Biased	1.965	2.311	-0.346
100	A135_Biased	1.930	1.997	-0.067
100	B52_Biased	2.083	2.082	0.001
100	B54_Biased	1.979	2.006	-0.027
100	B55_Biased	1.964	2.005	-0.041
100	B56_Biased	2.034	2.034	0.000
100	B57_Biased	1.979	2.027	-0.048
100	B59_Biased	2.059	2.087	-0.028
100	B62_Biased	1.982	1.920	0.062
100	B63_Biased	2.077	2.045	0.032
100	B64_Biased	2.087	2.041	0.046
100	B66_Biased	2.062	2.040	0.022
100	B68_Biased	2.036	2.024	0.012
100	C54_Biased	2.052	1.988	0.064
100	C55_Biased	2.002	1.995	0.007
100	C56_Biased	2.045	2.016	0.029
100	C57_Biased	1.996	1.966	0.030
100	C58_Biased	2.035	1.974	0.061
100	C59_Biased	2.003	1.980	0.023
100	C65_Biased	2.014	1.932	0.032
100	C67_Biased	2.054	1.977	0.077
100	A122_Unbiased	1.999	2.021	-0.022
100	A138_Unbiased	1.978	2.017	-0.039
100	A139_Unbiased	1.936	1.949	-0.013
100	B60_Unbiased	2.088	2.033	0.055
100	B61_Unbiased	2.065	2.043	0.022
100	B69_Unbiased	2.088	2.050	0.038
100	B70_Unbiased	2.065	2.038	0.027
100	B71_Unbiased	2.099	2.096	0.013
100	B72_Unbiased	2.080	2.043	0.037
100	B73_Unbiased	1.997	2.002	-0.005
100	B74_Unbiased	2.067	2.040	0.027
100	B77_Unbiased	2.059	2.048	0.011
100	B78_Unbiased	2.050	1.982	0.068
100	B79_Unbiased	2.085	2.025	0.060
100	B80_Unbiased	2.082	2.028	0.054
100	C70_Unbiased	1.979	1.949	0.030
100	C71_Unbiased	2.074	2.042	0.032
100	C72_Unbiased	2.037	2.009	0.028
100	C73_Unbiased	2.017	1.952	0.065
100	C75_Unbiased	2.114	2.096	0.018
100	C76_Unbiased	1.996	1.970	0.026
100	C79_Unbiased	2.046	1.956	0.090
	Max	2.114	2.311	0.123
	Average	2.022	2.012	0.010
	Min	1.918	1.920	-0.346
	Std Dev	0.051	0.051	0.057

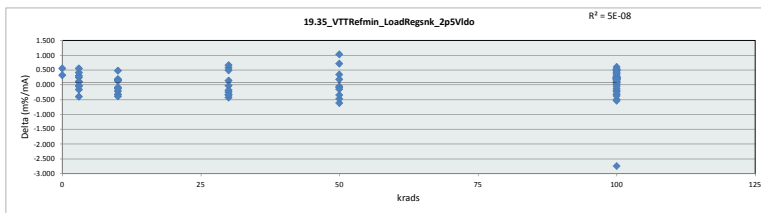


19_34_VTTRefmin_delta_2p5VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	15					
Min Limit	-15					
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	2.020	1.933	1.956	1.948	1.946	1.920
Average	2.028	2.007	1.993	2.005	2.000	2.022
Max	2.036	2.060	2.048	2.078	2.045	2.311
UL	15.000	15.000	15.000	15.000	15.000	15.000

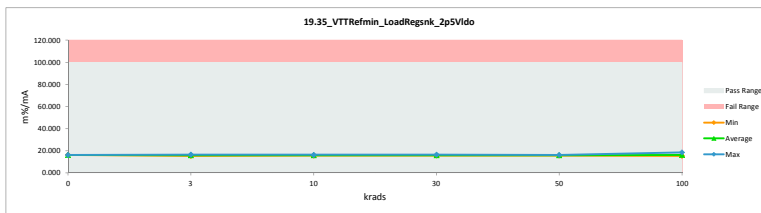


TID 100krad HDR Report
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19_35_VTTRefmin_LoadReqsnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	16.402	16.073	0.329
3	A116_Biased	16.483	16.384	0.099
3	A117_Biased	15.744	15.443	0.301
3	B36_Biased	16.115	16.160	-0.045
3	B37_Biased	16.092	16.254	-0.162
3	C39_Biased	16.668	16.250	0.418
3	A118_Unbiased	15.315	15.349	-0.034
3	A140_Unbiased	16.402	16.153	0.249
3	B38_Unbiased	16.139	16.026	0.113
3	B39_Unbiased	15.378	15.775	-0.397
3	C40_Unbiased	16.431	15.882	0.549
10	A119_Biased	15.438	15.651	-0.213
10	A120_Biased	15.307	15.631	-0.324
10	B40_Biased	16.219	16.302	-0.083
10	C41_Biased	16.355	16.203	0.152
10	C42_Biased	15.877	15.685	0.192
10	A121_Unbiased	15.280	15.363	-0.383
10	A124_Unbiased	15.692	15.823	-0.131
10	B41_Unbiased	16.055	15.870	0.185
10	C43_Unbiased	16.269	16.141	0.128
10	C44_Unbiased	16.059	15.581	0.478
30	A125_Biased	15.941	16.189	-0.227
30	B42_Biased	16.304	16.545	-0.241
30	B43_Biased	15.533	15.565	-0.032
30	C45_Biased	16.050	15.478	0.572
30	C46_Biased	16.545	15.886	0.659
30	A127_Unbiased	15.287	15.711	-0.424
30	B45_Unbiased	15.547	15.891	-0.344
30	B47_Unbiased	15.910	16.088	-0.178
30	C47_Unbiased	16.155	15.669	0.486
30	C50_Unbiased	16.647	16.500	0.147
50	A128_Biased	15.689	15.743	-0.054
50	A129_Biased	16.350	15.996	0.354
50	B48_Biased	15.665	16.283	-0.618
50	B49_Biased	15.759	16.233	-0.474
50	C51_Biased	16.091	15.900	0.191
50	A130_Unbiased	15.633	15.973	-0.340
50	A131_Unbiased	15.877	15.964	-0.087
50	B50_Unbiased	15.814	15.966	-0.152
50	B51_Unbiased	15.545	15.510	0.035
50	C53_Unbiased	16.201	15.484	0.717
0	106_Corr	16.751	16.195	0.556
100	A132_Biased	15.806	16.302	-0.496
100	A134_Biased	15.648	18.390	-2.742
100	A135_Biased	15.352	15.889	-0.537
100	B52_Biased	16.609	16.610	-0.001
100	B54_Biased	15.754	15.972	-0.218
100	B55_Biased	15.621	15.946	-0.325
100	B56_Biased	16.168	16.161	0.007
100	B57_Biased	15.724	16.098	-0.374
100	B59_Biased	16.401	16.628	-0.227
100	B62_Biased	15.761	15.269	0.492
100	B63_Biased	16.516	16.269	0.247
100	B64_Biased	16.571	16.211	0.360
100	B66_Biased	16.404	16.230	0.174
100	B68_Biased	16.196	16.098	0.098
100	C54_Biased	16.338	15.837	0.501
100	C55_Biased	15.930	15.870	0.060
100	C56_Biased	16.258	16.027	0.231
100	C57_Biased	15.880	15.638	0.242
100	C58_Biased	16.189	15.714	0.475
100	C59_Biased	15.920	15.736	0.184
100	C65_Biased	16.029	15.781	0.248
100	C67_Biased	16.325	15.715	0.610
100	A122_Unbiased	15.879	16.054	-0.175
100	A138_Unbiased	15.722	16.035	-0.313
100	A139_Unbiased	15.400	15.511	-0.111
100	B60_Unbiased	16.618	16.136	0.482
100	B61_Unbiased	16.424	16.244	0.180
100	B69_Unbiased	16.618	16.321	0.297
100	B70_Unbiased	16.424	16.210	0.214
100	B71_Unbiased	16.790	16.693	0.097
100	B72_Unbiased	16.550	16.262	0.288
100	B73_Unbiased	15.904	15.953	-0.049
100	B74_Unbiased	16.467	16.254	0.213
100	B77_Unbiased	16.383	16.303	0.080
100	B78_Unbiased	16.513	15.772	0.741
100	B79_Unbiased	16.600	16.123	0.477
100	B80_Unbiased	16.564	16.148	0.416
100	C70_Unbiased	15.777	15.539	0.238
100	C71_Unbiased	16.491	16.241	0.250
100	C72_Unbiased	16.207	15.990	0.217
100	C73_Unbiased	16.061	15.552	0.509
100	C75_Unbiased	16.811	16.675	0.136
100	C76_Unbiased	15.852	15.648	0.204
100	C79_Unbiased	16.262	15.869	0.393
	Max	16.811	18.390	1.035
	Average	16.087	16.012	0.075
	Min	15.280	15.269	-2.742
	Std Dev	0.403	0.408	0.452

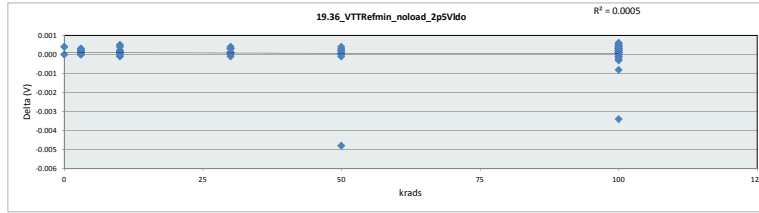


19_35_VTTRefmin_LoadReqsnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	16.073	15.349	15.581	15.478	15.484	15.269
Average	16.134	15.968	15.855	15.952	15.905	16.089
Max	16.195	16.384	16.302	16.545	16.283	18.390
UL	100.000	100.000	100.000	100.000	100.000	100.000

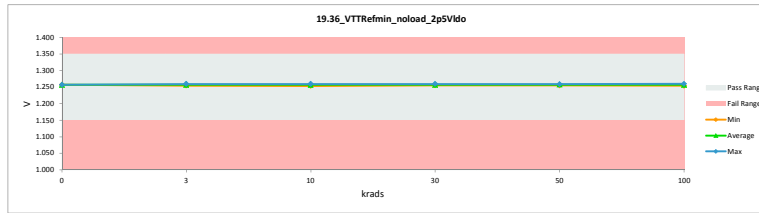


TID 100krad HDR Report
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19_36_VTTRefmin_noload_2p5Vd				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.257	1.257	0.000
3	A116_Biased	1.258	1.257	0.000
3	A117_Biased	1.257	1.256	0.000
3	B36_Biased	1.257	1.257	0.000
3	B37_Biased	1.257	1.257	0.000
3	C39_Biased	1.257	1.256	0.000
3	A118_Unbiased	1.259	1.259	0.000
3	A140_Unbiased	1.257	1.257	0.000
3	B38_Unbiased	1.258	1.258	0.000
3	B39_Unbiased	1.255	1.255	0.000
3	C40_Unbiased	1.256	1.255	0.000
10	A119_Biased	1.258	1.258	0.000
10	A120_Biased	1.259	1.259	0.000
10	B40_Biased	1.256	1.256	0.000
10	C41_Biased	1.258	1.257	0.000
10	C42_Biased	1.260	1.259	0.000
10	A121_Unbiased	1.256	1.255	0.000
10	A124_Unbiased	1.253	1.253	0.000
10	B41_Unbiased	1.259	1.259	0.000
10	C43_Unbiased	1.256	1.255	0.000
10	C44_Unbiased	1.256	1.256	0.000
30	A125_Biased	1.257	1.257	0.000
30	B42_Biased	1.256	1.256	0.000
30	B43_Biased	1.257	1.257	0.000
30	C45_Biased	1.259	1.259	0.000
30	C46_Biased	1.256	1.255	0.000
30	A127_Unbiased	1.257	1.257	0.000
30	B45_Unbiased	1.255	1.255	0.000
30	B47_Unbiased	1.259	1.259	0.000
30	C47_Unbiased	1.257	1.257	0.000
30	C50_Unbiased	1.256	1.256	0.000
50	A128_Biased	1.258	1.258	0.000
50	A129_Biased	1.259	1.259	0.000
50	B48_Biased	1.256	1.256	0.000
50	B49_Biased	1.258	1.258	0.000
50	C51_Biased	1.258	1.258	0.000
50	A130_Unbiased	1.255	1.255	0.000
50	A131_Unbiased	1.257	1.257	0.000
50	B50_Unbiased	1.257	1.257	0.000
50	B51_Unbiased	1.254	1.259	-0.005
50	C53_Unbiased	1.257	1.257	0.000
0	106_Corr	1.257	1.257	0.000
100	A132_Biased	1.257	1.257	0.000
100	A134_Biased	1.256	1.256	-0.001
100	A135_Biased	1.257	1.257	0.000
100	B52_Biased	1.254	1.254	0.000
100	B54_Biased	1.256	1.256	0.000
100	B55_Biased	1.257	1.257	0.000
100	B56_Biased	1.258	1.258	0.000
100	B57_Biased	1.259	1.259	0.000
100	B59_Biased	1.255	1.255	0.000
100	B62_Biased	1.258	1.258	0.000
100	B63_Biased	1.257	1.257	0.000
100	B64_Biased	1.259	1.259	0.000
100	B66_Biased	1.257	1.257	0.000
100	B68_Biased	1.257	1.257	0.000
100	C54_Biased	1.256	1.255	0.001
100	C55_Biased	1.257	1.257	0.000
100	C56_Biased	1.258	1.258	0.000
100	C57_Biased	1.257	1.257	0.000
100	C58_Biased	1.257	1.257	0.000
100	C59_Biased	1.258	1.258	0.000
100	C65_Biased	1.256	1.256	0.000
100	C67_Biased	1.258	1.258	0.000
100	A122_Unbiased	1.259	1.259	0.000
100	A138_Unbiased	1.258	1.258	0.000
100	A139_Unbiased	1.257	1.257	0.000
100	B60_Unbiased	1.256	1.260	-0.003
100	B61_Unbiased	1.257	1.257	0.000
100	B69_Unbiased	1.256	1.256	0.000
100	B70_Unbiased	1.257	1.257	0.000
100	B71_Unbiased	1.256	1.256	0.000
100	B72_Unbiased	1.257	1.256	0.000
100	B73_Unbiased	1.255	1.255	0.000
100	B74_Unbiased	1.255	1.255	0.000
100	B77_Unbiased	1.257	1.256	0.000
100	B78_Unbiased	1.257	1.256	0.000
100	B79_Unbiased	1.256	1.256	0.000
100	B80_Unbiased	1.257	1.256	0.001
100	C70_Unbiased	1.255	1.254	0.001
100	C71_Unbiased	1.257	1.257	0.000
100	C72_Unbiased	1.257	1.257	0.000
100	C73_Unbiased	1.256	1.255	0.000
100	C75_Unbiased	1.257	1.257	0.000
100	C76_Unbiased	1.259	1.259	0.000
100	C79_Unbiased	1.258	1.258	0.000
	Max	1.260	1.260	0.001
	Average	1.257	1.257	0.000
	Min	1.253	1.253	-0.005
	Std Dev	0.001	0.001	0.001

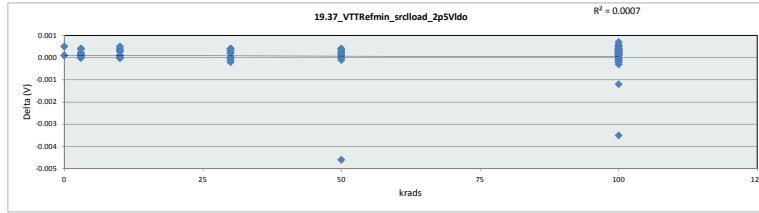


19_36_VTTRefmin_noload_2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.257	1.255	1.253	1.255	1.255	1.254
Average	1.257	1.257	1.257	1.257	1.257	1.257
Max	1.257	1.259	1.259	1.259	1.259	1.260
UL	1.350	1.350	1.350	1.350	1.350	1.350

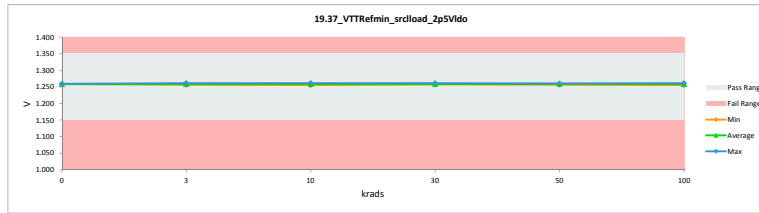


TID 100krad HDR Report
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19_37_VTTRefmin_srcload_2p5k				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.259	1.259	0.000
3	A116_Biased	1.260	1.259	0.000
3	A117_Biased	1.258	1.258	0.000
3	B36_Biased	1.259	1.259	0.000
3	B37_Biased	1.259	1.259	0.000
3	C39_Biased	1.259	1.258	0.000
3	A118_Unbiased	1.261	1.261	0.000
3	A140_Unbiased	1.259	1.259	0.000
3	B38_Unbiased	1.260	1.260	0.000
3	B39_Unbiased	1.257	1.257	0.000
3	C40_Unbiased	1.258	1.257	0.000
10	A119_Biased	1.260	1.260	0.000
10	A120_Biased	1.261	1.261	0.000
10	B40_Biased	1.258	1.258	0.000
10	C41_Biased	1.260	1.259	0.000
10	C42_Biased	1.262	1.261	0.000
10	A121_Unbiased	1.258	1.258	0.000
10	A124_Unbiased	1.255	1.255	0.000
10	B41_Unbiased	1.261	1.261	0.000
10	C43_Unbiased	1.258	1.257	0.000
10	C44_Unbiased	1.258	1.258	0.000
30	A125_Biased	1.259	1.259	0.000
30	B42_Biased	1.258	1.258	0.000
30	B43_Biased	1.259	1.259	0.000
30	C45_Biased	1.261	1.261	0.000
30	C46_Biased	1.258	1.258	0.000
30	A127_Unbiased	1.259	1.259	0.000
30	B45_Unbiased	1.257	1.258	0.000
30	B47_Unbiased	1.261	1.261	0.000
30	C47_Unbiased	1.259	1.258	0.000
30	C50_Unbiased	1.258	1.258	0.000
50	A128_Biased	1.260	1.260	0.000
50	A129_Biased	1.261	1.261	0.000
50	B48_Biased	1.258	1.258	0.000
50	B49_Biased	1.260	1.260	0.000
50	C51_Biased	1.261	1.260	0.000
50	A130_Unbiased	1.257	1.257	0.000
50	A131_Unbiased	1.259	1.259	0.000
50	B50_Unbiased	1.259	1.259	0.000
50	B51_Unbiased	1.261	-0.005	0.000
50	C53_Unbiased	1.259	1.258	0.000
0	106_Corr	1.259	1.259	0.000
100	A132_Biased	1.259	1.259	0.000
100	A134_Biased	1.258	1.259	-0.001
100	A135_Biased	1.259	1.259	0.000
100	B52_Biased	1.256	1.256	0.000
100	B54_Biased	1.258	1.258	0.000
100	B55_Biased	1.259	1.259	0.000
100	B56_Biased	1.260	1.260	0.000
100	B57_Biased	1.261	1.261	0.000
100	B59_Biased	1.257	1.257	0.000
100	B62_Biased	1.260	1.260	0.000
100	B63_Biased	1.259	1.259	0.000
100	B64_Biased	1.261	1.261	0.000
100	B66_Biased	1.259	1.259	0.000
100	B68_Biased	1.259	1.259	0.000
100	C54_Biased	1.258	1.258	0.001
100	C55_Biased	1.259	1.259	0.000
100	C56_Biased	1.260	1.260	0.000
100	C57_Biased	1.259	1.259	0.000
100	C58_Biased	1.259	1.258	0.000
100	C59_Biased	1.260	1.260	0.000
100	C65_Biased	1.258	1.258	0.000
100	C67_Biased	1.260	1.260	0.000
100	A122_Unbiased	1.261	1.261	0.000
100	A138_Unbiased	1.260	1.260	0.000
100	A139_Unbiased	1.259	1.258	0.000
100	B60_Unbiased	1.258	1.262	-0.004
100	B61_Unbiased	1.259	1.259	0.000
100	B69_Unbiased	1.258	1.258	0.000
100	B70_Unbiased	1.259	1.259	0.000
100	B71_Unbiased	1.258	1.258	0.000
100	B72_Unbiased	1.259	1.258	0.000
100	B73_Unbiased	1.257	1.257	0.001
100	B74_Unbiased	1.258	1.257	0.001
100	B77_Unbiased	1.259	1.258	0.000
100	B78_Unbiased	1.259	1.258	0.000
100	B79_Unbiased	1.258	1.258	0.000
100	B80_Unbiased	1.259	1.258	0.001
100	C70_Unbiased	1.257	1.256	0.000
100	C71_Unbiased	1.260	1.259	0.000
100	C72_Unbiased	1.259	1.259	0.000
100	C73_Unbiased	1.258	1.257	0.000
100	C75_Unbiased	1.259	1.259	0.000
100	C76_Unbiased	1.261	1.261	0.000
100	C79_Unbiased	1.260	1.260	0.000
	Max	1.262	1.262	0.001
	Average	1.259	1.259	0.000
	Min	1.255	1.255	-0.005
	Std Dev	0.001	0.001	0.001

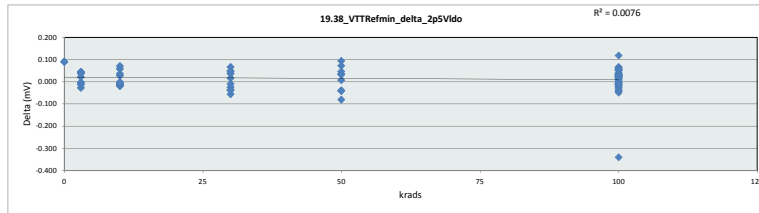


19_37_VTTRefmin_srcload_2p5k						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.259	1.257	1.255	1.258	1.257	1.256
Average	1.259	1.259	1.259	1.259	1.259	1.259
Max	1.259	1.261	1.261	1.261	1.261	1.262
UL	1.350	1.350	1.350	1.350	1.350	1.350

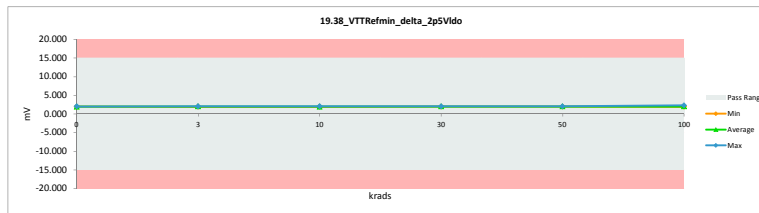


TID 100krad HDR Report
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19_38_VTTRefmin_delta_2p5VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.056	1.966	0.090
3	A116_Biased	2.041	2.044	-0.003
3	A117_Biased	1.958	1.963	-0.005
3	B36_Biased	2.022	1.978	0.044
3	B37_Biased	1.988	2.015	-0.027
3	C39_Biased	2.080	2.038	0.042
3	A118_Unbiased	1.947	1.925	0.022
3	A140_Unbiased	2.056	2.011	0.045
3	B38_Unbiased	2.057	2.018	0.039
3	B39_Unbiased	1.957	1.970	-0.013
3	C40_Unbiased	2.069	2.029	0.040
10	A119_Biased	1.971	1.943	0.028
10	A120_Biased	1.967	1.949	-0.012
10	B40_Biased	2.012	2.024	-0.012
10	C41_Biased	2.057	2.020	0.037
10	C42_Biased	2.039	1.981	0.058
10	A121_Unbiased	1.910	1.928	-0.018
10	A124_Unbiased	1.960	1.979	-0.019
10	B41_Unbiased	1.992	1.999	-0.007
10	C43_Unbiased	2.038	2.039	-0.001
10	C44_Unbiased	2.001	1.930	0.071
30	A125_Biased	2.011	2.011	-0.056
30	B42_Biased	2.035	2.059	-0.024
30	B43_Biased	1.933	1.971	-0.038
30	C45_Biased	2.028	1.962	0.066
30	C46_Biased	2.070	2.037	0.033
30	A127_Unbiased	1.933	1.948	-0.035
30	B45_Unbiased	2.018	2.027	-0.009
30	B47_Unbiased	2.037	2.021	0.016
30	C47_Unbiased	2.035	1.986	0.049
30	C50_Unbiased	2.024	2.024	0.045
50	A128_Biased	2.013	1.980	0.033
50	A129_Biased	2.047	2.040	0.007
50	B48_Biased	1.971	2.010	-0.039
50	B49_Biased	1.978	2.058	-0.080
50	C51_Biased	2.055	2.025	0.035
50	A130_Unbiased	1.966	2.008	-0.042
50	A131_Unbiased	2.004	1.957	0.047
50	B50_Unbiased	2.001	1.968	0.033
50	B51_Unbiased	2.076	1.992	0.094
50	C53_Unbiased	2.028	1.955	0.073
0	106_Corr	2.108	2.017	0.091
100	A132_Biased	1.982	2.022	-0.040
100	A134_Biased	1.962	2.301	-0.339
100	A135_Biased	1.949	1.973	-0.024
100	B52_Biased	2.093	2.111	-0.018
100	B54_Biased	1.959	1.996	-0.037
100	B55_Biased	1.962	1.983	-0.021
100	B56_Biased	2.043	2.040	0.013
100	B57_Biased	1.991	2.039	-0.048
100	B59_Biased	2.081	2.123	-0.042
100	B62_Biased	1.978	1.941	0.037
100	B63_Biased	2.053	2.039	0.014
100	B64_Biased	2.116	2.051	0.065
100	B66_Biased	2.061	2.009	0.052
100	B68_Biased	2.051	2.011	0.040
100	C54_Biased	2.020	1.981	0.039
100	C55_Biased	2.006	1.977	0.029
100	C56_Biased	2.081	2.014	0.067
100	C57_Biased	1.984	1.953	0.031
100	C58_Biased	2.026	2.005	0.021
100	C59_Biased	2.029	1.968	0.061
100	C65_Biased	1.986	1.964	0.024
100	C67_Biased	2.087	1.968	0.119
100	A122_Unbiased	1.994	2.022	-0.028
100	A138_Unbiased	2.007	2.009	-0.002
100	A139_Unbiased	1.920	1.932	-0.012
100	B60_Unbiased	2.060	2.072	-0.012
100	B61_Unbiased	2.032	2.036	-0.004
100	B69_Unbiased	2.060	2.032	0.028
100	B70_Unbiased	2.032	2.017	0.015
100	B71_Unbiased	2.065	2.071	-0.006
100	B72_Unbiased	2.062	2.032	0.030
100	B73_Unbiased	2.050	2.022	0.028
100	B74_Unbiased	2.086	2.062	0.024
100	B77_Unbiased	2.036	2.030	0.006
100	B78_Unbiased	2.037	2.013	0.024
100	B79_Unbiased	2.055	2.023	0.032
100	B80_Unbiased	2.055	2.004	0.051
100	C70_Unbiased	1.986	1.999	-0.013
100	C71_Unbiased	2.047	2.027	0.020
100	C72_Unbiased	2.034	1.976	0.058
100	C73_Unbiased	1.997	2.006	-0.009
100	C75_Unbiased	2.106	2.080	0.026
100	C76_Unbiased	2.016	1.961	0.055
100	C79_Unbiased	2.068	2.013	0.055
	Max	2.116	2.301	0.119
	Average	2.021	2.009	0.013
	Min	1.910	1.925	-0.339
	Std Dev	0.047	0.051	0.054



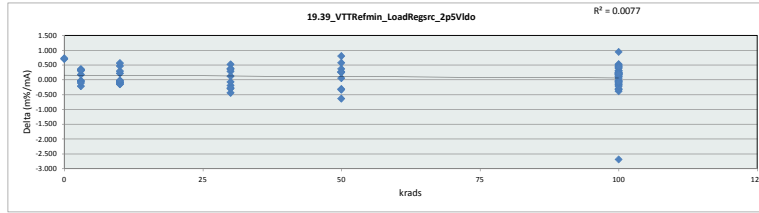
19_38_VTTRefmin_delta_2p5VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.966	1.925	1.928	1.962	1.955	1.932
Average	1.992	1.999	1.981	2.006	1.998	2.021
Max	2.017	2.044	2.039	2.059	2.058	2.301
UL	15.000	15.000	15.000	15.000	15.000	15.000



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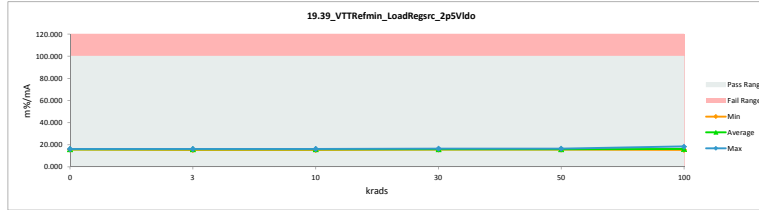
19_39_VTTRefmin_LoadReqsrc_2	
Test Site	Dallas, Tx Dallas, Tx
Testor	ETS ETS
Test Number	EF636800 EF636800
Unit	m%/mA m%/mA
Max Limit	100 100
Min Limit	0 0

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	16.354	15.644	0.710
3	A116_Biased	16.233	16.260	-0.027
3	A117_Biased	15.579	15.627	-0.048
3	B36_Biased	16.088	15.737	0.351
3	B37_Biased	15.814	16.031	-0.217
3	C39_Biased	16.547	16.225	0.322
3	A118_Unbiased	15.460	15.287	0.173
3	A140_Unbiased	16.354	15.995	0.356
3	B38_Unbiased	16.352	16.038	0.314
3	B39_Unbiased	15.596	15.704	-0.108
3	C40_Unbiased	16.476	16.161	0.315
10	A119_Biased	15.668	15.446	0.222
10	A100_Biased	15.211	15.535	-0.142
10	B40_Biased	16.022	16.112	-0.090
10	C41_Biased	16.358	16.066	0.292
10	C42_Biased	16.191	15.728	0.463
10	A121_Unbiased	15.211	15.353	-0.142
10	A124_Unbiased	15.641	15.789	-0.148
10	B41_Unbiased	15.826	15.877	-0.051
10	C43_Unbiased	16.232	16.249	-0.017
10	C44_Unbiased	15.935	15.373	0.562
30	A125_Biased	15.542	15.992	-0.444
30	B42_Biased	16.201	16.394	-0.193
30	B43_Biased	15.373	15.673	-0.300
30	C45_Biased	16.109	15.586	0.523
30	C46_Biased	16.483	16.195	0.288
30	A127_Unbiased	15.574	15.652	-0.278
30	B45_Unbiased	16.078	16.147	-0.069
30	B47_Unbiased	16.173	16.050	0.123
30	C47_Unbiased	16.194	15.808	0.386
30	C50_Unbiased	16.475	16.120	0.355
50	A128_Biased	15.997	15.741	0.256
50	A129_Biased	16.260	16.204	0.056
50	B48_Biased	15.697	16.007	-0.310
50	B49_Biased	15.734	16.366	-0.632
50	C51_Biased	16.329	16.055	0.274
50	A130_Unbiased	15.664	15.997	-0.333
50	A131_Unbiased	15.945	15.574	0.371
50	B50_Unbiased	15.919	15.657	0.262
50	B51_Unbiased	16.554	15.745	0.806
50	C53_Unbiased	16.135	15.555	0.580
0	106_Corr	16.770	16.044	0.726
100	A132_Biased	15.767	16.086	-0.319
100	A134_Biased	15.627	18.315	-2.688
100	A135_Biased	15.505	15.696	-0.191
100	B52_Biased	16.694	16.840	-0.146
100	B54_Biased	15.598	15.894	-0.296
100	B55_Biased	15.609	15.773	-0.164
100	B56_Biased	16.317	16.213	0.104
100	B57_Biased	15.816	16.201	-0.385
100	B59_Biased	16.582	16.914	-0.332
100	B62_Biased	15.730	15.435	0.295
100	B63_Biased	16.326	16.224	0.102
100	B64_Biased	16.802	16.290	0.512
100	B66_Biased	16.392	15.985	0.407
100	B68_Biased	16.315	15.998	0.317
100	C54_Biased	16.081	15.779	0.302
100	C55_Biased	15.958	15.730	0.228
100	C56_Biased	16.541	16.012	0.529
100	C57_Biased	15.780	15.535	0.245
100	C58_Biased	16.120	15.960	0.160
100	C59_Biased	16.125	15.639	0.486
100	C65_Biased	15.809	15.618	0.191
100	C67_Biased	16.589	15.649	0.940
100	A122_Unbiased	15.840	16.059	-0.219
100	A138_Unbiased	15.955	15.971	-0.016
100	A139_Unbiased	15.280	15.372	-0.092
100	B60_Unbiased	16.397	16.450	-0.053
100	B61_Unbiased	16.160	16.189	-0.029
100	B69_Unbiased	16.397	16.177	0.220
100	B70_Unbiased	16.160	16.047	0.113
100	B71_Unbiased	16.440	16.492	-0.052
100	B72_Unbiased	16.413	16.177	0.236
100	B73_Unbiased	16.331	16.110	0.221
100	B74_Unbiased	16.614	16.427	0.187
100	B77_Unbiased	16.204	16.161	0.043
100	B78_Unbiased	16.211	16.024	0.187
100	B79_Unbiased	16.358	16.106	0.252
100	B80_Unbiased	16.349	15.954	0.395
100	C70_Unbiased	15.827	15.940	-0.113
100	C71_Unbiased	16.276	16.125	0.151
100	C72_Unbiased	16.181	15.727	0.454
100	C73_Unbiased	15.907	15.976	-0.069
100	C75_Unbiased	16.750	16.546	0.204
100	C76_Unbiased	16.008	15.578	0.430
100	C79_Unbiased	16.441	16.036	0.405
	Max	16.802	18.315	0.940
	Average	16.082	15.980	0.102
	Min	15.211	15.287	-2.688
	Std Dev	0.374	0.407	0.430



19_39_VTTRefmin_LoadReqsrc	
Test Site	Dallas, Tx
Testor	ETS
Test Number	EF636800
Max Limit	100 m%/mA
Min Limit	0 m%/mA

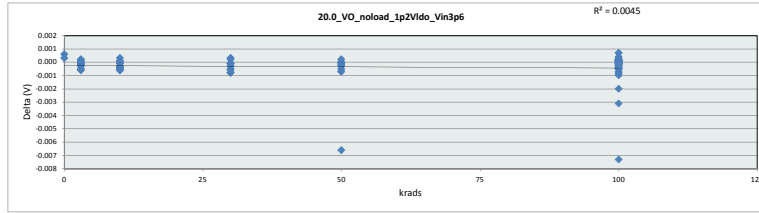
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	15.644	15.287	15.353	15.586	15.555	15.372
Average	15.844	15.907	15.763	15.962	15.890	16.077
Max	16.944	16.260	16.249	16.394	16.366	18.315
UL	100.000	100.000	100.000	100.000	100.000	100.000



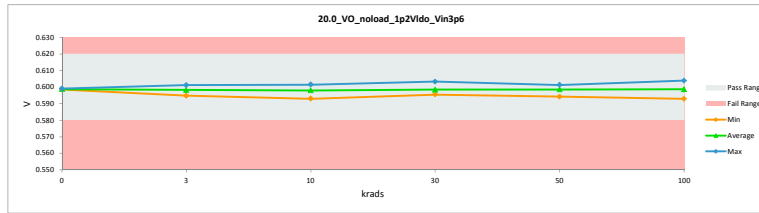
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20.0_VO_noload_1p2VIdo_Vin3p			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.62	0.62	
Min Limit	0.58	0.58	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.599	0.599	0.001
3	A116_Biased	0.599	0.599	0.000
3	A117_Biased	0.596	0.597	0.000
3	B36_Biased	0.599	0.599	0.000
3	B37_Biased	0.599	0.599	-0.001
3	C39_Biased	0.598	0.598	0.000
3	A118_Unbiased	0.601	0.601	0.000
3	A140_Unbiased	0.599	0.599	0.000
3	B38_Unbiased	0.600	0.600	0.000
3	B39_Unbiased	0.594	0.595	-0.001
3	C40_Unbiased	0.597	0.596	0.000
10	A119_Biased	0.598	0.597	0.000
10	A120_Biased	0.601	0.601	0.000
10	B40_Biased	0.597	0.597	-0.001
10	C41_Biased	0.600	0.600	0.000
10	C42_Biased	0.601	0.601	0.000
10	A121_Unbiased	0.595	0.595	-0.001
10	A124_Unbiased	0.592	0.593	-0.001
10	B41_Unbiased	0.601	0.601	0.000
10	C43_Unbiased	0.595	0.595	0.000
10	C44_Unbiased	0.597	0.597	0.000
30	A125_Biased	0.597	0.598	0.000
30	B42_Biased	0.597	0.597	-0.001
30	B43_Biased	0.598	0.598	-0.001
30	C45_Biased	0.602	0.602	0.000
30	C46_Biased	0.596	0.595	0.000
30	A127_Unbiased	0.596	0.597	-0.001
30	B45_Unbiased	0.596	0.596	-0.001
30	B47_Unbiased	0.603	0.603	0.000
30	C47_Unbiased	0.599	0.599	0.000
30	C50_Unbiased	0.598	0.598	0.000
50	A128_Biased	0.599	0.599	0.000
50	A129_Biased	0.601	0.601	0.000
50	B48_Biased	0.596	0.596	-0.001
50	B49_Biased	0.599	0.600	-0.001
50	C51_Biased	0.600	0.601	0.000
50	A130_Unbiased	0.594	0.594	-0.001
50	A131_Unbiased	0.598	0.598	0.000
50	B50_Unbiased	0.599	0.599	0.000
50	B51_Unbiased	0.593	0.600	-0.007
50	C53_Unbiased	0.599	0.599	0.000
0	106_Corr	0.599	0.599	0.000
100	A132_Biased	0.597	0.598	-0.001
100	A134_Biased	0.595	0.598	-0.003
100	A135_Biased	0.598	0.598	0.000
100	B52_Biased	0.593	0.593	0.000
100	B54_Biased	0.595	0.596	0.000
100	B55_Biased	0.600	0.601	-0.001
100	B56_Biased	0.600	0.601	-0.001
100	B57_Biased	0.602	0.602	-0.001
100	B59_Biased	0.596	0.597	-0.001
100	B62_Biased	0.600	0.600	0.000
100	B63_Biased	0.599	0.599	0.000
100	B64_Biased	0.602	0.602	0.000
100	B66_Biased	0.599	0.599	0.000
100	B68_Biased	0.598	0.598	0.000
100	C54_Biased	0.596	0.595	0.001
100	C55_Biased	0.598	0.598	0.000
100	C56_Biased	0.600	0.601	0.000
100	C57_Biased	0.598	0.598	0.000
100	C58_Biased	0.598	0.598	0.000
100	C59_Biased	0.601	0.601	0.000
100	C65_Biased	0.598	0.598	0.000
100	C67_Biased	0.600	0.600	0.000
100	A122_Unbiased	0.601	0.601	-0.001
100	A138_Unbiased	0.600	0.601	-0.001
100	A139_Unbiased	0.598	0.598	0.000
100	B60_Unbiased	0.597	0.604	-0.007
100	B61_Unbiased	0.599	0.601	-0.002
100	B69_Unbiased	0.597	0.596	0.000
100	B70_Unbiased	0.599	0.599	0.000
100	B71_Unbiased	0.598	0.597	0.000
100	B72_Unbiased	0.599	0.599	0.000
100	B73_Unbiased	0.597	0.596	0.000
100	B74_Unbiased	0.596	0.595	0.000
100	B77_Unbiased	0.599	0.599	0.000
100	B78_Unbiased	0.597	0.597	0.000
100	B79_Unbiased	0.597	0.597	0.000
100	B80_Unbiased	0.598	0.597	0.001
100	C70_Unbiased	0.595	0.595	0.000
100	C71_Unbiased	0.600	0.600	0.000
100	C72_Unbiased	0.598	0.598	0.000
100	C73_Unbiased	0.595	0.595	0.000
100	C75_Unbiased	0.599	0.600	0.000
100	C76_Unbiased	0.603	0.603	0.000
100	C79_Unbiased	0.600	0.600	0.000
	Max	0.603	0.604	0.001
	Average	0.598	0.598	0.000
	Min	0.592	0.593	-0.007
	Std Dev	0.002	0.002	0.001

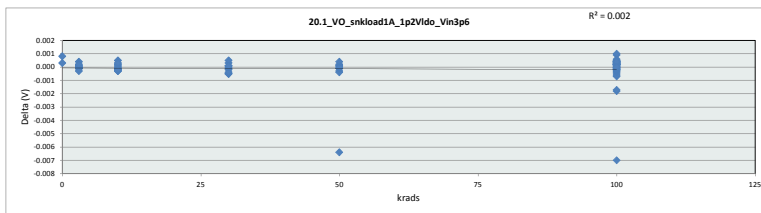


20.0_VO_noload_1p2VIdo_Vin3p6						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.62 V					
Min Limit	0.58 V					
krads	0	3	10	30	50	100
LL	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.599	0.595	0.593	0.596	0.594	0.593
Average	0.599	0.598	0.598	0.598	0.599	0.599
Max	0.599	0.601	0.602	0.603	0.601	0.604
UL	0.620	0.620	0.620	0.620	0.620	0.620

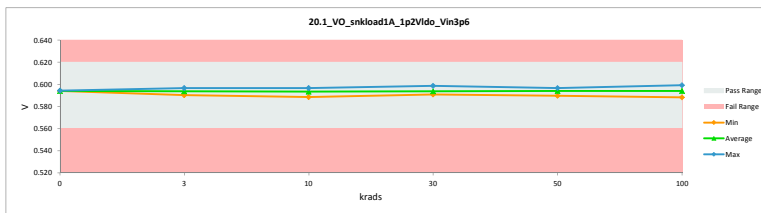


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20.1_VO_snkload1A_1p2VIdo_Vi				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62			
Min Limit	0.56	0.56		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.595	0.594	0.001
3	A116_Biased	0.594	0.594	0.000
3	A117_Biased	0.592	0.592	0.000
3	B36_Biased	0.594	0.594	0.000
3	B37_Biased	0.594	0.595	0.000
3	C39_Biased	0.593	0.593	0.000
3	A118_Unbiased	0.597	0.597	0.000
3	A140_Unbiased	0.595	0.595	0.000
3	B38_Unbiased	0.595	0.595	0.000
3	B39_Unbiased	0.590	0.590	0.000
3	C40_Unbiased	0.592	0.592	0.000
10	A119_Biased	0.594	0.594	0.000
10	A120_Biased	0.596	0.596	0.000
10	B40_Biased	0.593	0.593	0.000
10	C41_Biased	0.596	0.596	0.000
10	C42_Biased	0.597	0.597	0.000
10	A121_Unbiased	0.590	0.591	0.000
10	A124_Unbiased	0.588	0.589	0.000
10	B41_Unbiased	0.596	0.596	0.000
10	C43_Unbiased	0.591	0.590	0.000
10	C44_Unbiased	0.593	0.593	0.000
30	A125_Biased	0.593	0.593	0.000
30	B42_Biased	0.592	0.592	0.000
30	B43_Biased	0.594	0.594	0.000
30	C45_Biased	0.598	0.598	0.000
30	C46_Biased	0.591	0.591	0.000
30	A127_Unbiased	0.592	0.592	0.000
30	B45_Unbiased	0.591	0.592	0.000
30	B47_Unbiased	0.599	0.599	0.000
30	C47_Unbiased	0.594	0.594	0.001
30	C50_Unbiased	0.594	0.594	0.000
50	A128_Biased	0.595	0.595	0.000
50	A129_Biased	0.597	0.597	0.000
50	B48_Biased	0.592	0.592	0.000
50	B49_Biased	0.595	0.595	0.000
50	C51_Biased	0.596	0.596	0.000
50	A130_Unbiased	0.590	0.590	0.000
50	A131_Unbiased	0.594	0.594	0.000
50	B50_Unbiased	0.594	0.594	0.000
50	B51_Unbiased	0.595	-0.006	0.000
50	C53_Unbiased	0.595	0.594	0.000
0	106_Corr	0.595	0.594	0.000
100	A132_Biased	0.593	0.594	0.000
100	A134_Biased	0.590	0.592	-0.002
100	A135_Biased	0.593	0.593	0.000
100	B52_Biased	0.589	0.588	0.000
100	B54_Biased	0.591	0.591	0.000
100	B55_Biased	0.596	0.596	-0.001
100	B56_Biased	0.596	0.597	-0.001
100	B57_Biased	0.597	0.598	0.000
100	B59_Biased	0.592	0.592	0.000
100	B62_Biased	0.596	0.596	0.000
100	B63_Biased	0.594	0.594	0.000
100	B64_Biased	0.598	0.597	0.000
100	B66_Biased	0.595	0.594	0.001
100	B68_Biased	0.593	0.593	0.000
100	C54_Biased	0.592	0.591	0.001
100	C55_Biased	0.594	0.593	0.000
100	C56_Biased	0.596	0.596	0.000
100	C57_Biased	0.594	0.594	0.000
100	C58_Biased	0.593	0.593	0.000
100	C59_Biased	0.596	0.596	0.000
100	C65_Biased	0.593	0.593	0.000
100	C67_Biased	0.596	0.596	0.000
100	A122_Unbiased	0.596	0.596	0.000
100	A138_Unbiased	0.596	0.596	0.000
100	A139_Unbiased	0.593	0.593	0.000
100	B60_Unbiased	0.592	0.597	-0.007
100	B61_Unbiased	0.595	0.596	-0.002
100	B69_Unbiased	0.592	0.592	0.001
100	B70_Unbiased	0.595	0.594	0.000
100	B71_Unbiased	0.593	0.593	0.000
100	B72_Unbiased	0.594	0.594	0.000
100	B73_Unbiased	0.592	0.592	0.001
100	B74_Unbiased	0.591	0.591	0.000
100	B77_Unbiased	0.595	0.595	0.000
100	B78_Unbiased	0.592	0.592	0.000
100	B79_Unbiased	0.593	0.593	0.000
100	B80_Unbiased	0.593	0.592	0.001
100	C70_Unbiased	0.590	0.590	0.000
100	C71_Unbiased	0.596	0.596	0.000
100	C72_Unbiased	0.594	0.594	0.000
100	C73_Unbiased	0.591	0.591	0.000
100	C75_Unbiased	0.595	0.595	0.000
100	C76_Unbiased	0.598	0.598	0.000
100	C79_Unbiased	0.595	0.595	0.000
	Max	0.599	0.599	0.001
	Average	0.594	0.594	0.000
	Min	0.588	0.588	-0.007
	Std Dev	0.002	0.002	0.001

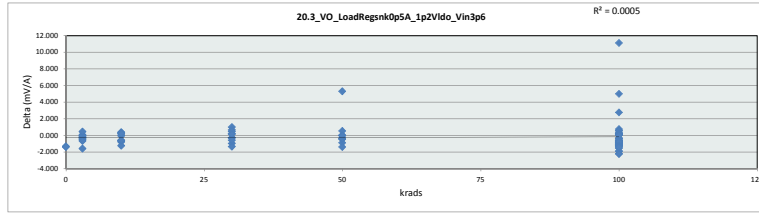


20.1_VO_snkload1A_1p2VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.62					
Min Limit	0.56					
krads	0	3	10	30	50	100
LL	0.560	0.560	0.560	0.560	0.560	0.560
Min	0.594	0.590	0.589	0.591	0.590	0.588
Average	0.594	0.594	0.593	0.594	0.594	0.594
Max	0.594	0.597	0.597	0.599	0.597	0.599
UL	0.620	0.620	0.620	0.620	0.620	0.620

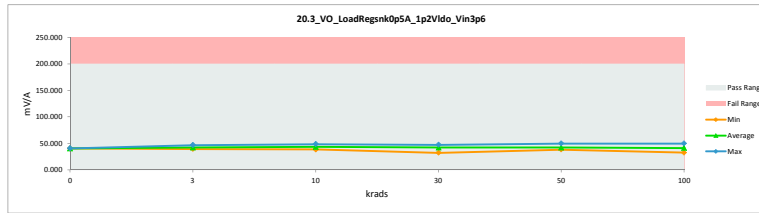


TID 100krad HDR Report
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20.3_VO_LoadReqsK0p5A_1p2i				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	39.067	40.381	-1.314
3	A116_Biased	41.762	41.830	-0.068
3	A117_Biased	45.471	45.975	-0.404
3	B36_Biased	39.757	40.005	-0.248
3	B37_Biased	41.134	41.077	0.057
3	C39_Biased	42.729	42.995	-0.266
3	A118_Unbiased	39.737	39.767	-0.030
3	A140_Unbiased	39.067	39.591	-0.524
3	B38_Unbiased	40.338	41.918	-1.580
3	B39_Unbiased	47.117	46.672	0.445
3	C40_Unbiased	42.994	43.668	-0.674
10	A119_Biased	45.365	45.194	0.171
10	A120_Biased	40.433	41.425	-0.792
10	B40_Biased	41.900	41.939	-0.039
10	C41_Biased	38.078	38.723	-0.645
10	C42_Biased	39.137	39.748	-0.611
10	A121_Unbiased	48.540	48.171	0.369
10	A124_Unbiased	48.273	47.947	0.326
10	B41_Unbiased	40.151	39.912	0.239
10	C43_Unbiased	47.387	48.639	-1.252
10	C44_Unbiased	40.912	41.499	-0.587
30	A125_Biased	45.127	46.145	-0.928
30	B42_Biased	43.601	43.415	0.186
30	B43_Biased	44.273	43.279	0.994
30	C45_Biased	36.038	36.320	-0.282
30	C46_Biased	46.400	47.388	-0.988
30	A127_Unbiased	48.046	47.596	0.650
30	B45_Unbiased	44.560	44.116	0.444
30	B47_Unbiased	32.481	32.348	0.133
30	C47_Unbiased	39.865	41.223	-1.358
30	C50_Unbiased	39.224	39.797	-0.573
50	A128_Biased	41.780	42.692	-0.912
50	A129_Biased	38.377	38.330	0.047
50	B48_Biased	45.359	45.385	-0.026
50	B49_Biased	41.131	40.599	0.532
50	C51_Biased	43.822	43.832	-0.469
50	A130_Unbiased	49.427	49.793	-0.366
50	A131_Unbiased	40.540	40.879	-0.339
50	B50_Unbiased	39.920	39.955	-0.035
50	B51_Unbiased	49.117	43.814	5.303
50	C53_Unbiased	38.747	40.142	-1.395
0	106_Corr	39.298	40.704	-1.406
100	A132_Biased	43.474	43.218	0.256
100	A134_Biased	48.218	45.473	2.745
100	A135_Biased	43.922	43.617	0.305
100	B52_Biased	49.017	49.789	-0.772
100	B54_Biased	47.344	47.957	-0.613
100	B55_Biased	36.144	35.374	0.770
100	B56_Biased	38.322	37.700	0.622
100	B57_Biased	35.685	35.508	0.177
100	B59_Biased	42.814	43.146	-0.332
100	B62_Biased	37.361	38.402	-1.041
100	B63_Biased	40.746	41.799	-1.053
100	B64_Biased	36.007	37.141	-1.134
100	B66_Biased	39.362	40.353	-0.991
100	B68_Biased	43.295	44.844	-1.549
100	C54_Biased	45.556	47.760	-2.204
100	C55_Biased	42.328	43.581	-1.253
100	C56_Biased	38.033	38.872	-0.839
100	C57_Biased	42.404	44.295	-1.891
100	C58_Biased	42.931	44.123	-1.192
100	C59_Biased	38.082	38.687	-0.605
100	C65_Biased	40.230	41.023	-0.793
100	C67_Biased	38.798	39.234	-0.436
100	A122_Unbiased	39.990	39.478	0.512
100	A138_Unbiased	36.274	36.159	0.115
100	A139_Unbiased	43.079	43.435	-0.356
100	B60_Unbiased	43.698	43.594	11.104
100	B61_Unbiased	40.524	35.541	4.983
100	B69_Unbiased	43.698	45.578	-1.880
100	B70_Unbiased	40.524	41.159	-0.635
100	B71_Unbiased	40.472	41.537	-1.065
100	B72_Unbiased	38.386	38.976	-0.590
100	B73_Unbiased	41.479	42.348	-0.869
100	B74_Unbiased	44.008	44.885	-0.877
100	B77_Unbiased	35.913	37.030	-1.117
100	B78_Unbiased	44.762	46.034	-1.272
100	B79_Unbiased	41.393	42.665	-1.272
100	B80_Unbiased	41.900	44.135	-2.235
100	C70_Unbiased	45.527	46.288	-0.761
100	C71_Unbiased	36.919	36.704	0.215
100	C72_Unbiased	41.583	42.858	-1.275
100	C73_Unbiased	46.275	47.699	-1.424
100	C75_Unbiased	38.551	38.317	0.234
100	C76_Unbiased	35.105	35.064	0.041
100	C79_Unbiased	39.478	39.459	0.019
	Max	49.427	49.793	11.104
	Average	41.653	41.860	-0.207
	Min	32.481	32.348	-2.235
	Std Dev	3.714	3.860	1.692

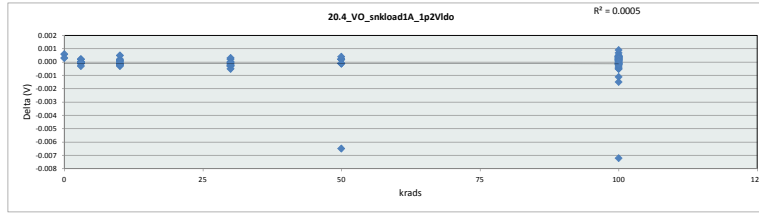


20.3_VO_LoadReqsK0p5A_1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	40.381	39.591	38.723	32.348	38.330	32.594
Average	40.543	42.340	43.320	42.143	42.102	41.360
Max	40.704	46.672	48.639	47.396	49.793	49.789
UL	200.000	200.000	200.000	200.000	200.000	200.000

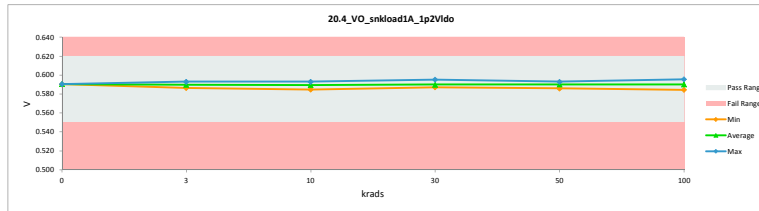


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20.4_VO_snkload1A_1p2Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.55	0.55		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.591	0.590	0.001
3	A116_Biased	0.590	0.590	0.000
3	A117_Biased	0.588	0.588	0.000
3	B36_Biased	0.590	0.590	0.000
3	B37_Biased	0.591	0.591	0.000
3	C39_Biased	0.590	0.589	0.000
3	A118_Unbiased	0.593	0.593	0.000
3	A140_Unbiased	0.591	0.591	0.000
3	B38_Unbiased	0.591	0.591	0.000
3	B39_Unbiased	0.586	0.586	0.000
3	C40_Unbiased	0.588	0.588	0.000
10	A119_Biased	0.590	0.590	0.000
10	A120_Biased	0.593	0.592	0.000
10	B40_Biased	0.589	0.589	0.000
10	C41_Biased	0.592	0.592	0.000
10	C42_Biased	0.593	0.593	0.000
10	A121_Unbiased	0.586	0.587	0.000
10	A124_Unbiased	0.584	0.585	0.000
10	B41_Unbiased	0.593	0.593	0.000
10	C43_Unbiased	0.587	0.586	0.000
10	C44_Unbiased	0.589	0.589	0.000
30	A125_Biased	0.589	0.589	0.000
30	B42_Biased	0.588	0.589	0.000
30	B43_Biased	0.590	0.590	0.000
30	C45_Biased	0.594	0.594	0.000
30	C46_Biased	0.587	0.587	0.000
30	A127_Unbiased	0.588	0.589	-0.001
30	B45_Unbiased	0.587	0.588	0.000
30	B47_Unbiased	0.595	0.595	0.000
30	C47_Unbiased	0.590	0.590	0.000
30	C50_Unbiased	0.590	0.590	0.000
50	A128_Biased	0.591	0.591	0.000
50	A129_Biased	0.593	0.593	0.000
50	B48_Biased	0.588	0.588	0.000
50	B49_Biased	0.591	0.591	0.000
50	C51_Biased	0.592	0.592	0.000
50	A130_Unbiased	0.586	0.586	0.000
50	A131_Unbiased	0.590	0.590	0.000
50	B50_Unbiased	0.591	0.590	0.000
50	B51_Unbiased	0.585	-0.007	0.000
50	C53_Unbiased	0.591	0.590	0.000
0	106_Corr	0.591	0.590	0.000
100	A132_Biased	0.589	0.590	-0.001
100	A134_Biased	0.587	0.588	-0.001
100	A135_Biased	0.589	0.589	0.000
100	B52_Biased	0.585	0.584	0.000
100	B54_Biased	0.587	0.587	0.000
100	B55_Biased	0.592	0.592	-0.001
100	B56_Biased	0.592	0.593	0.000
100	B57_Biased	0.594	0.594	0.000
100	B59_Biased	0.588	0.588	0.000
100	B62_Biased	0.592	0.592	0.000
100	B63_Biased	0.590	0.590	0.000
100	B64_Biased	0.594	0.594	0.000
100	B66_Biased	0.591	0.590	0.001
100	B68_Biased	0.589	0.589	0.000
100	C54_Biased	0.587	0.587	0.001
100	C55_Biased	0.590	0.589	0.000
100	C56_Biased	0.592	0.592	0.000
100	C57_Biased	0.590	0.590	0.000
100	C58_Biased	0.589	0.589	0.000
100	C59_Biased	0.592	0.592	0.000
100	C65_Biased	0.590	0.589	0.000
100	C67_Biased	0.592	0.592	0.000
100	A122_Unbiased	0.592	0.592	0.000
100	A138_Unbiased	0.593	0.593	0.000
100	A139_Unbiased	0.590	0.589	0.000
100	B60_Unbiased	0.588	0.595	-0.007
100	B61_Unbiased	0.591	0.592	-0.002
100	B69_Unbiased	0.588	0.588	0.000
100	B70_Unbiased	0.591	0.590	0.000
100	B71_Unbiased	0.589	0.589	0.000
100	B72_Unbiased	0.590	0.590	0.000
100	B73_Unbiased	0.588	0.588	0.001
100	B74_Unbiased	0.587	0.587	0.000
100	B77_Unbiased	0.591	0.591	0.000
100	B78_Unbiased	0.589	0.589	0.000
100	B79_Unbiased	0.589	0.589	0.000
100	B80_Unbiased	0.589	0.589	0.001
100	C70_Unbiased	0.586	0.586	0.000
100	C71_Unbiased	0.592	0.592	0.000
100	C72_Unbiased	0.590	0.590	0.000
100	C73_Unbiased	0.587	0.587	0.000
100	C75_Unbiased	0.591	0.591	0.000
100	C76_Unbiased	0.594	0.594	0.000
100	C79_Unbiased	0.592	0.592	0.000
	Max	0.595	0.595	0.001
	Average	0.590	0.590	0.000
	Min	0.584	0.584	-0.007
	Std Dev	0.002	0.002	0.001

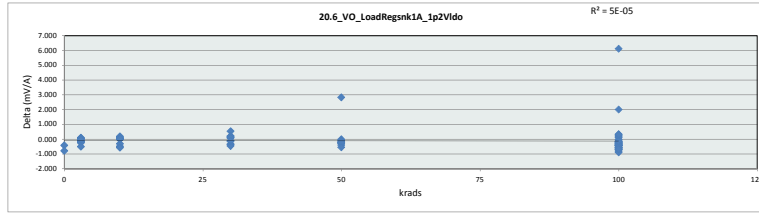


20.4_VO_snkload1A_1p2Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.62					
Min Limit	0.55					
krads	0	3	10	30	50	100
LL	0.550	0.550	0.550	0.550	0.550	0.550
Min	0.590	0.586	0.585	0.587	0.586	0.584
Average	0.590	0.590	0.590	0.590	0.590	0.590
Max	0.591	0.593	0.593	0.595	0.593	0.596
UL	0.620	0.620	0.620	0.620	0.620	0.620

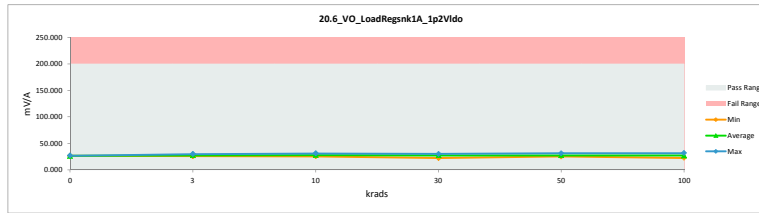


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20.6_VO_LoadRegs1A_1p2VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	25.978	26.396	-0.418
3	A116_Biased	27.332	27.308	0.024
3	A117_Biased	29.173	29.256	-0.083
3	B36_Biased	26.202	26.367	-0.165
3	B37_Biased	26.784	26.969	-0.185
3	C39_Biased	27.828	28.011	-0.183
3	A118_Unbiased	26.047	25.960	0.087
3	A140_Unbiased	25.978	26.231	-0.253
3	B38_Unbiased	26.320	26.834	-0.514
3	B39_Unbiased	30.028	29.979	0.049
3	C40_Unbiased	28.266	28.296	-0.030
10	A119_Biased	29.228	29.124	0.104
10	A120_Biased	26.578	27.075	-0.497
10	B40_Biased	27.301	27.317	-0.016
10	C41_Biased	25.318	25.634	-0.316
10	C42_Biased	26.114	26.110	0.004
10	A121_Unbiased	30.883	30.879	0.004
10	A124_Unbiased	30.649	30.465	0.184
10	B41_Unbiased	26.216	26.186	0.030
10	C43_Unbiased	30.475	31.062	-0.587
10	C44_Unbiased	27.038	26.987	0.051
30	A125_Biased	29.198	29.574	-0.376
30	B42_Biased	28.484	28.298	0.186
30	B43_Biased	28.367	28.279	0.088
30	C45_Biased	24.914	24.396	0.518
30	C46_Biased	30.024	30.363	-0.339
30	A127_Unbiased	30.405	30.208	0.197
30	B45_Unbiased	28.916	29.059	-0.143
30	B47_Unbiased	22.268	22.204	0.064
30	C47_Unbiased	26.497	26.967	-0.470
30	C50_Unbiased	26.119	26.242	-0.123
50	A128_Biased	27.142	27.546	-0.404
50	A129_Biased	25.376	25.389	-0.013
50	B48_Biased	29.035	29.222	-0.187
50	B49_Biased	26.816	26.907	-0.091
50	C51_Biased	25.890	26.162	-0.272
50	A130_Unbiased	31.111	31.382	-0.271
50	A131_Unbiased	26.490	26.736	-0.246
50	B50_Unbiased	26.124	26.336	-0.212
50	B51_Unbiased	31.054	28.298	2.816
50	C53_Unbiased	26.009	26.574	-0.565
0	106_Corr	26.101	26.904	-0.803
100	A132_Biased	28.110	28.118	-0.008
100	A134_Biased	30.547	30.304	0.243
100	A135_Biased	28.214	28.264	-0.050
100	B52_Biased	30.967	31.645	-0.678
100	B54_Biased	30.087	30.557	-0.470
100	B55_Biased	24.242	24.133	0.109
100	B56_Biased	25.377	25.179	0.198
100	B57_Biased	23.808	24.129	-0.321
100	B59_Biased	27.930	28.202	-0.272
100	B62_Biased	25.012	25.449	-0.437
100	B63_Biased	26.952	27.349	-0.397
100	B64_Biased	24.413	24.833	-0.420
100	B66_Biased	26.170	26.740	-0.570
100	B68_Biased	28.260	29.007	-0.747
100	C54_Biased	29.803	30.658	-0.855
100	C55_Biased	27.722	28.294	-0.572
100	C56_Biased	25.521	25.958	-0.437
100	C57_Biased	28.145	28.801	-0.656
100	C58_Biased	28.102	28.799	-0.697
100	C59_Biased	25.463	25.694	-0.231
100	C65_Biased	26.718	27.086	-0.368
100	C67_Biased	25.977	26.169	-0.192
100	A122_Unbiased	26.233	26.394	-0.161
100	A138_Unbiased	24.107	24.246	-0.139
100	A139_Unbiased	27.768	28.022	-0.254
100	B60_Unbiased	28.639	22.530	6.109
100	B61_Unbiased	26.324	24.320	2.004
100	B69_Unbiased	28.639	28.863	-0.224
100	B70_Unbiased	26.324	26.982	-0.658
100	B71_Unbiased	26.837	27.256	-0.419
100	B72_Unbiased	25.627	25.927	-0.300
100	B73_Unbiased	27.236	27.845	-0.609
100	B74_Unbiased	28.624	28.934	-0.310
100	B77_Unbiased	24.368	24.745	-0.377
100	B78_Unbiased	29.018	29.461	-0.443
100	B79_Unbiased	27.298	27.867	-0.569
100	B80_Unbiased	27.521	28.418	-0.897
100	C70_Unbiased	29.373	29.763	-0.390
100	C71_Unbiased	24.615	24.670	0.145
100	C72_Unbiased	27.382	27.926	-0.544
100	C73_Unbiased	29.863	30.543	-0.680
100	C75_Unbiased	25.858	25.519	0.339
100	C76_Unbiased	24.112	23.804	0.308
100	C79_Unbiased	26.267	26.488	-0.221
	Max	31.111	31.645	6.109
	Average	27.277	27.387	-0.109
	Min	22.268	22.204	-0.897
	Std Dev	1.944	2.052	0.844

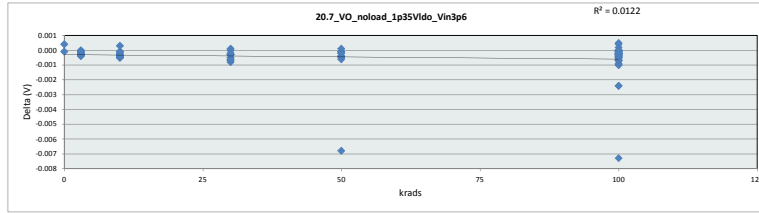


20.6_VO_LoadRegs1A_1p2V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	26.396	25.960	25.634	22.204	25.389	22.530
Average	26.650	27.521	28.084	27.559	27.449	27.178
Max	26.904	29.979	31.062	30.363	31.382	31.645
UL	200.000	200.000	200.000	200.000	200.000	200.000

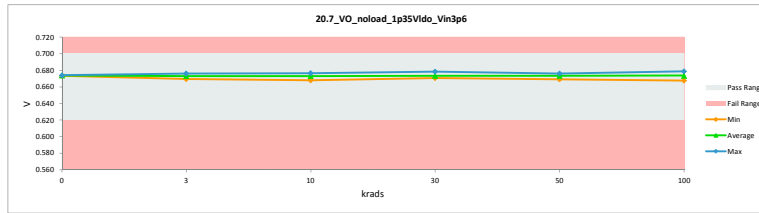


TID 100krad HDR Report
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20_7_VO_noload_1p35VIdo_Vin3				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.674	0.674	0.000
3	A116_Biased	0.674	0.674	0.000
3	A117_Biased	0.671	0.672	0.000
3	B36_Biased	0.673	0.674	0.000
3	B37_Biased	0.674	0.674	0.000
3	C39_Biased	0.673	0.673	0.000
3	A118_Unbiased	0.676	0.676	0.000
3	A140_Unbiased	0.674	0.674	0.000
3	B38_Unbiased	0.675	0.675	0.000
3	B39_Unbiased	0.669	0.670	0.000
3	C40_Unbiased	0.671	0.672	0.000
10	A119_Biased	0.673	0.673	0.000
10	A120_Biased	0.676	0.676	0.000
10	B40_Biased	0.672	0.672	0.000
10	C41_Biased	0.675	0.675	0.000
10	C42_Biased	0.676	0.676	0.000
10	A121_Unbiased	0.670	0.670	0.000
10	A124_Unbiased	0.667	0.668	-0.001
10	B41_Unbiased	0.676	0.676	0.000
10	C43_Unbiased	0.670	0.670	0.000
10	C44_Unbiased	0.672	0.672	0.000
30	A125_Biased	0.672	0.672	0.000
30	B42_Biased	0.672	0.672	0.000
30	B43_Biased	0.673	0.674	-0.001
30	C45_Biased	0.677	0.677	0.000
30	C46_Biased	0.671	0.671	0.000
30	A127_Unbiased	0.671	0.672	-0.001
30	B45_Unbiased	0.671	0.671	-0.001
30	B47_Unbiased	0.678	0.678	0.000
30	C47_Unbiased	0.674	0.673	0.000
30	C50_Unbiased	0.673	0.673	0.000
50	A128_Biased	0.674	0.674	0.000
50	A129_Biased	0.676	0.676	0.000
50	B48_Biased	0.671	0.672	-0.001
50	B49_Biased	0.674	0.674	-0.001
50	C51_Biased	0.675	0.676	0.000
50	A130_Unbiased	0.669	0.669	0.000
50	A131_Unbiased	0.673	0.673	0.000
50	B50_Unbiased	0.674	0.674	0.000
50	B51_Unbiased	0.668	0.674	-0.007
50	C53_Unbiased	0.674	0.674	0.000
0	106_Corr	0.674	0.674	0.000
100	A132_Biased	0.673	0.674	-0.001
100	A134_Biased	0.670	0.672	-0.002
100	A135_Biased	0.672	0.673	-0.001
100	B52_Biased	0.668	0.668	0.000
100	B54_Biased	0.670	0.671	0.000
100	B55_Biased	0.675	0.676	-0.001
100	B56_Biased	0.675	0.676	-0.001
100	B57_Biased	0.677	0.677	-0.001
100	B59_Biased	0.671	0.672	-0.001
100	B62_Biased	0.675	0.675	0.000
100	B63_Biased	0.674	0.674	0.000
100	B64_Biased	0.677	0.677	0.000
100	B66_Biased	0.674	0.674	0.000
100	B68_Biased	0.673	0.673	0.000
100	C54_Biased	0.671	0.671	0.001
100	C55_Biased	0.673	0.673	0.000
100	C56_Biased	0.675	0.676	0.000
100	C57_Biased	0.673	0.673	0.000
100	C58_Biased	0.673	0.673	0.000
100	C59_Biased	0.675	0.676	0.000
100	C65_Biased	0.673	0.673	0.000
100	C67_Biased	0.675	0.675	0.000
100	A122_Unbiased	0.676	0.676	-0.001
100	A138_Unbiased	0.675	0.676	-0.001
100	A139_Unbiased	0.673	0.673	0.000
100	B60_Unbiased	0.672	0.672	-0.007
100	B61_Unbiased	0.674	0.676	-0.002
100	B69_Unbiased	0.672	0.672	0.000
100	B70_Unbiased	0.674	0.674	0.000
100	B71_Unbiased	0.672	0.672	0.000
100	B72_Unbiased	0.673	0.674	0.000
100	B73_Unbiased	0.672	0.672	0.000
100	B74_Unbiased	0.670	0.670	0.000
100	B77_Unbiased	0.674	0.674	0.000
100	B78_Unbiased	0.672	0.672	0.000
100	B79_Unbiased	0.672	0.672	0.000
100	B80_Unbiased	0.672	0.672	0.000
100	C70_Unbiased	0.670	0.670	0.000
100	C71_Unbiased	0.675	0.675	-0.001
100	C72_Unbiased	0.673	0.673	0.000
100	C73_Unbiased	0.670	0.670	0.000
100	C75_Unbiased	0.674	0.675	-0.001
100	C76_Unbiased	0.677	0.678	-0.001
100	C79_Unbiased	0.675	0.675	0.000
	Max	0.678	0.679	0.001
	Average	0.673	0.673	0.000
	Min	0.667	0.668	-0.007
	Std Dev	0.002	0.002	0.001

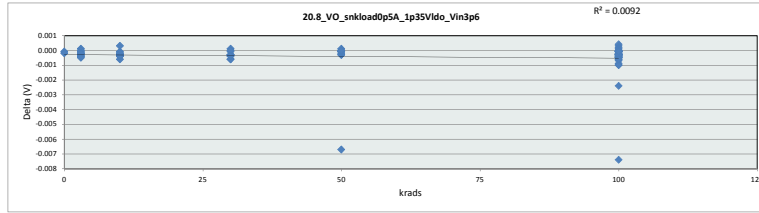


20_7_VO_noload_1p35VIdo_Vin3						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.7 V					
Min Limit	0.62 V					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.674	0.670	0.668	0.671	0.669	0.668
Average	0.674	0.673	0.673	0.673	0.674	0.674
Max	0.674	0.676	0.676	0.678	0.676	0.679
UL	0.700	0.700	0.700	0.700	0.700	0.700

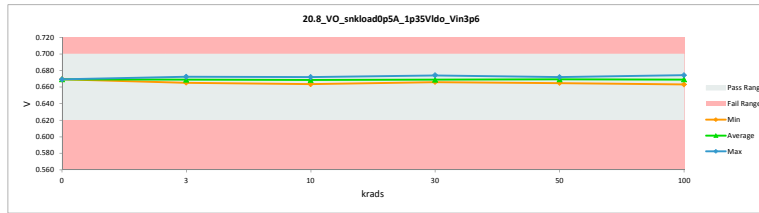


TID 100krad HDR Report
TPS7H3301-SP

20.8_VO_snkloadOp5A_1p35VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.669	0.669	0.000
3	A116_Biased	0.669	0.670	0.000
3	A117_Biased	0.667	0.667	0.000
3	B36_Biased	0.669	0.669	0.000
3	B37_Biased	0.669	0.669	0.000
3	C39_Biased	0.668	0.668	0.000
3	A118_Unbiased	0.672	0.672	0.000
3	A140_Unbiased	0.669	0.670	0.000
3	B38_Unbiased	0.670	0.670	0.000
3	B39_Unbiased	0.665	0.665	0.000
3	C40_Unbiased	0.667	0.667	0.000
10	A119_Biased	0.669	0.669	0.000
10	A120_Biased	0.672	0.672	0.000
10	B40_Biased	0.668	0.668	0.000
10	C41_Biased	0.670	0.671	0.000
10	C42_Biased	0.672	0.672	-0.001
10	A121_Unbiased	0.665	0.666	0.000
10	A124_Unbiased	0.663	0.664	0.000
10	B41_Unbiased	0.671	0.672	0.000
10	C43_Unbiased	0.665	0.665	0.000
10	C44_Unbiased	0.668	0.668	0.000
30	A125_Biased	0.668	0.668	0.000
30	B42_Biased	0.667	0.668	-0.001
30	B43_Biased	0.669	0.669	0.000
30	C45_Biased	0.672	0.673	0.000
30	C46_Biased	0.666	0.666	0.000
30	A127_Unbiased	0.667	0.668	-0.001
30	B45_Unbiased	0.666	0.667	0.000
30	B47_Unbiased	0.674	0.674	0.000
30	C47_Unbiased	0.669	0.669	0.000
30	C50_Unbiased	0.668	0.669	0.000
50	A128_Biased	0.670	0.670	0.000
50	A129_Biased	0.672	0.672	0.000
50	B48_Biased	0.667	0.667	0.000
50	B49_Biased	0.670	0.670	0.000
50	C51_Biased	0.671	0.671	0.000
50	A130_Unbiased	0.665	0.665	0.000
50	A131_Unbiased	0.669	0.669	0.000
50	B50_Unbiased	0.669	0.669	0.000
50	B51_Unbiased	0.663	0.670	-0.007
50	C53_Biased	0.669	0.669	0.000
0	106_Corr	0.669	0.669	0.000
100	A132_Biased	0.668	0.669	-0.001
100	A134_Biased	0.666	0.666	-0.001
100	A135_Biased	0.668	0.668	0.000
100	B52_Biased	0.664	0.663	0.000
100	B54_Biased	0.666	0.666	0.000
100	B55_Biased	0.671	0.671	-0.001
100	B56_Biased	0.671	0.672	-0.001
100	B57_Biased	0.672	0.673	0.000
100	B59_Biased	0.667	0.667	0.000
100	B62_Biased	0.670	0.670	0.000
100	B63_Biased	0.669	0.669	0.000
100	B64_Biased	0.672	0.672	0.000
100	B66_Biased	0.669	0.669	0.000
100	B68_Biased	0.668	0.668	0.000
100	C54_Biased	0.666	0.666	0.000
100	C55_Biased	0.668	0.669	0.000
100	C56_Biased	0.671	0.671	-0.001
100	C57_Biased	0.668	0.669	-0.001
100	C58_Biased	0.668	0.668	0.000
100	C59_Biased	0.671	0.671	-0.001
100	C65_Biased	0.668	0.668	0.000
100	C67_Biased	0.670	0.671	-0.001
100	A122_Unbiased	0.671	0.672	0.000
100	A138_Unbiased	0.672	0.672	0.000
100	A139_Unbiased	0.668	0.668	0.000
100	B60_Unbiased	0.667	0.674	-0.007
100	B61_Unbiased	0.669	0.671	-0.002
100	B69_Unbiased	0.667	0.667	0.000
100	B70_Unbiased	0.669	0.669	0.000
100	B71_Unbiased	0.668	0.668	0.000
100	B72_Unbiased	0.669	0.669	0.000
100	B73_Unbiased	0.667	0.667	0.000
100	B74_Unbiased	0.666	0.666	0.000
100	B77_Unbiased	0.669	0.670	0.000
100	B78_Unbiased	0.667	0.667	0.000
100	B79_Unbiased	0.668	0.668	0.000
100	B80_Unbiased	0.668	0.668	0.000
100	C70_Unbiased	0.665	0.665	0.000
100	C71_Unbiased	0.670	0.671	-0.001
100	C72_Unbiased	0.668	0.669	0.000
100	C73_Unbiased	0.666	0.666	0.000
100	C75_Unbiased	0.670	0.671	-0.001
100	C76_Unbiased	0.673	0.673	-0.001
100	C79_Unbiased	0.670	0.670	0.000
	Max	0.674	0.674	0.000
	Average	0.669	0.669	0.000
	Min	0.663	0.663	-0.007
	Std Dev	0.002	0.002	0.001

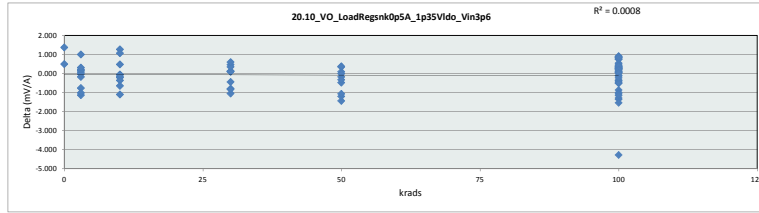


20.8_VO_snkloadOp5A_1p35VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.7	V				
Min Limit	0.62	V				
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.669	0.665	0.664	0.666	0.665	0.663
Average	0.669	0.669	0.669	0.669	0.669	0.669
Max	0.669	0.672	0.672	0.674	0.672	0.674
UL	0.700	0.700	0.700	0.700	0.700	0.700

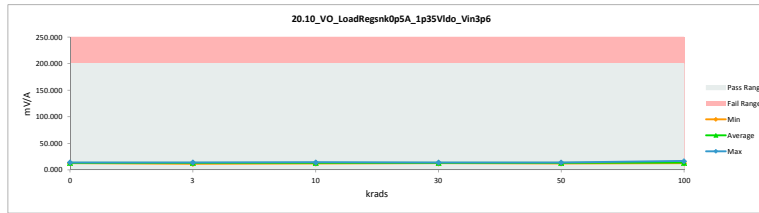


TID 100krad HDR Report
TPS7H3301-SP

20_10_VO_LoadRegsnKOp5A_1ps				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	13.853	12.485	1.368
3	A116_Biased	12.739	12.671	0.068
3	A117_Biased	12.812	12.983	-0.171
3	B36_Biased	12.517	13.281	-0.764
3	B37_Biased	12.220	13.362	-1.142
3	C39_Unbiased	14.008	13.851	0.157
3	A118_Unbiased	11.529	11.551	-0.022
3	A140_Unbiased	13.853	13.643	0.210
3	B38_Unbiased	12.554	12.245	0.309
3	B39_Unbiased	12.376	13.387	-1.011
3	C40_Unbiased	13.639	12.640	0.999
10	A119_Biased	13.066	13.249	-0.183
10	A120_Biased	12.365	12.157	-0.052
10	B40_Biased	12.361	12.580	-0.219
10	C41_Biased	13.625	13.152	0.473
10	C42_Biased	13.725	12.456	1.269
10	A121_Unbiased	12.365	13.460	-1.095
10	A124_Unbiased	12.703	13.061	-0.358
10	B41_Unbiased	12.656	13.296	-0.640
10	C43_Unbiased	13.973	14.039	-0.066
10	C44_Unbiased	13.455	12.383	1.072
30	A125_Biased	12.147	13.201	-1.054
30	B42_Biased	13.645	13.532	0.113
30	B43_Biased	11.873	12.666	-0.793
30	C45_Biased	13.505	13.407	0.098
30	C46_Biased	13.912	13.443	0.469
30	A127_Unbiased	11.955	12.407	-0.447
30	B45_Unbiased	12.670	13.508	-0.838
30	B47_Unbiased	12.368	12.244	0.124
30	C47_Unbiased	13.624	13.285	0.339
30	C50_Unbiased	13.593	12.990	0.603
50	A128_Biased	12.766	13.252	-0.486
50	A129_Biased	12.650	12.833	-0.183
50	B48_Biased	11.857	13.297	-1.440
50	B49_Biased	12.470	13.674	-1.204
50	C51_Biased	13.753	13.408	0.345
50	A130_Unbiased	12.000	13.071	-1.071
50	A131_Unbiased	12.162	12.078	0.084
50	B50_Unbiased	12.402	12.727	-0.325
50	B51_Unbiased	13.231	13.248	-0.017
50	C53_Unbiased	13.704	13.321	0.383
0	106_Corr	14.050	13.558	0.492
100	A132_Biased	12.336	13.683	-1.347
100	A134_Biased	12.198	16.484	-4.286
100	A135_Biased	12.221	13.084	-0.863
100	B52_Biased	12.718	13.712	-0.994
100	B54_Biased	12.785	13.237	-0.452
100	B55_Biased	12.330	13.403	-1.073
100	B56_Biased	13.052	12.765	0.287
100	B57_Biased	12.745	13.527	-1.282
100	B59_Biased	12.722	13.880	-1.158
100	B62_Biased	13.542	13.889	-0.347
100	B63_Biased	13.595	12.837	0.758
100	B64_Biased	13.628	13.379	0.249
100	B66_Biased	13.671	12.782	0.889
100	B68_Biased	13.678	13.807	-0.129
100	C54_Biased	13.922	13.638	0.284
100	C55_Biased	13.691	13.189	0.502
100	C56_Biased	13.795	13.429	0.366
100	C57_Biased	13.893	13.034	0.859
100	C58_Biased	13.765	13.717	0.048
100	C59_Biased	14.155	13.932	0.223
100	C65_Biased	13.610	13.539	0.071
100	C67_Biased	14.031	13.489	0.542
100	A122_Unbiased	12.933	13.308	-0.375
100	A138_Unbiased	11.908	12.418	-0.510
100	A139_Unbiased	12.299	12.791	-0.492
100	B60_Unbiased	13.405	13.310	0.095
100	B61_Unbiased	13.575	13.293	0.282
100	B69_Unbiased	13.605	12.855	0.750
100	B70_Unbiased	13.575	13.166	0.409
100	B71_Unbiased	13.438	13.127	0.311
100	B72_Unbiased	13.476	15.011	-1.535
100	B73_Unbiased	13.746	13.607	0.139
100	B74_Unbiased	13.651	12.736	0.915
100	B77_Unbiased	13.324	12.968	0.356
100	B78_Unbiased	13.681	13.574	0.107
100	B79_Unbiased	13.758	13.677	0.081
100	B80_Unbiased	13.426	12.581	0.845
100	C70_Unbiased	13.788	13.884	-0.096
100	C71_Unbiased	13.967	13.209	0.758
100	C72_Unbiased	13.991	13.604	0.387
100	C73_Unbiased	13.804	13.593	0.211
100	C75_Unbiased	13.686	12.841	0.845
100	C76_Unbiased	13.845	13.828	0.017
100	C79_Unbiased	13.642	13.873	-0.231
	Max	14.155	16.484	1.368
	Average	13.149	13.241	-0.093
	Min	11.529	11.551	-4.286
	Std Dev	0.703	0.640	0.809

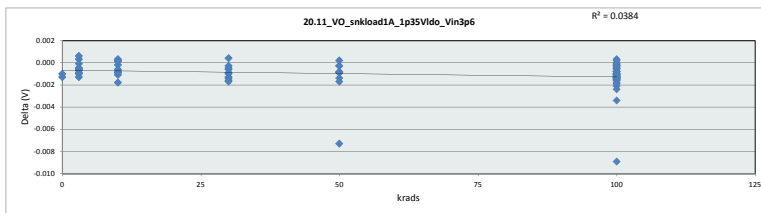


20_10_VO_LoadRegsnKOp5A_1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	12.485	11.551	12.157	12.244	12.078	12.418
Average	13.022	12.961	12.983	13.068	13.091	13.448
Max	13.558	13.851	14.039	13.532	13.674	16.484
UL	200.000	200.000	200.000	200.000	200.000	200.000

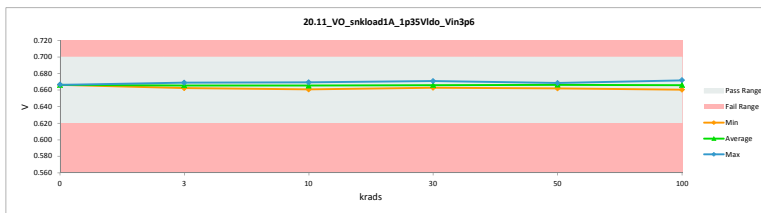


TID 100krad HDR Report
TPS7H3301-SP

20.11_VO_snkload1A_1p35VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.665	0.666	-0.001
3	A116_Biased	0.666	0.666	0.000
3	A117_Biased	0.664	0.665	-0.001
3	B36_Biased	0.666	0.667	-0.001
3	B37_Biased	0.666	0.667	-0.001
3	C39_Biased	0.664	0.665	-0.001
3	A118_Unbiased	0.669	0.669	0.000
3	A140_Unbiased	0.665	0.666	-0.001
3	B38_Unbiased	0.667	0.667	0.001
3	B39_Unbiased	0.662	0.662	0.000
3	C40_Unbiased	0.663	0.663	-0.001
10	A119_Biased	0.665	0.665	0.000
10	A120_Biased	0.668	0.668	0.000
10	B40_Biased	0.665	0.665	0.000
10	C41_Biased	0.666	0.668	-0.002
10	C42_Biased	0.668	0.669	-0.001
10	A121_Unbiased	0.662	0.662	-0.001
10	A124_Unbiased	0.640	0.641	-0.001
10	B41_Unbiased	0.669	0.669	-0.001
10	C43_Unbiased	0.661	0.661	0.000
10	C44_Unbiased	0.664	0.665	-0.001
30	A125_Biased	0.665	0.665	0.000
30	B42_Biased	0.663	0.664	-0.001
30	B43_Biased	0.665	0.666	-0.001
30	C45_Biased	0.668	0.670	-0.002
30	C46_Biased	0.662	0.663	-0.001
30	A127_Unbiased	0.664	0.664	-0.001
30	B45_Unbiased	0.664	0.664	0.000
30	B47_Unbiased	0.671	0.671	0.000
30	C47_Unbiased	0.665	0.666	-0.001
30	C50_Unbiased	0.664	0.666	-0.002
50	A128_Biased	0.666	0.667	0.000
50	A129_Biased	0.669	0.669	0.000
50	B48_Biased	0.663	0.664	-0.001
50	B49_Biased	0.666	0.667	-0.001
50	C51_Biased	0.667	0.668	-0.001
50	A130_Unbiased	0.661	0.662	-0.001
50	A131_Unbiased	0.666	0.666	-0.001
50	B50_Unbiased	0.667	0.667	0.000
50	B51_Unbiased	0.660	0.667	-0.007
50	C53_Biased	0.665	0.667	-0.002
0	106_Corr	0.665	0.666	-0.001
100	A132_Biased	0.665	0.666	-0.001
100	A134_Biased	0.662	0.662	0.000
100	A135_Biased	0.664	0.664	0.000
100	B52_Biased	0.660	0.660	0.000
100	B54_Biased	0.663	0.663	0.000
100	B55_Biased	0.668	0.669	-0.001
100	B56_Biased	0.668	0.669	-0.001
100	B57_Biased	0.669	0.670	-0.001
100	B59_Biased	0.663	0.664	-0.001
100	B62_Biased	0.666	0.668	-0.001
100	B63_Biased	0.665	0.666	-0.001
100	B64_Biased	0.668	0.669	0.000
100	B66_Biased	0.665	0.666	-0.001
100	B68_Biased	0.664	0.665	-0.002
100	C54_Biased	0.662	0.663	0.000
100	C55_Biased	0.664	0.665	-0.001
100	C56_Biased	0.667	0.668	-0.001
100	C57_Biased	0.664	0.665	0.000
100	C58_Biased	0.664	0.665	-0.001
100	C59_Biased	0.667	0.668	-0.001
100	C65_Biased	0.664	0.665	-0.001
100	C67_Biased	0.666	0.668	-0.002
100	A122_Unbiased	0.668	0.669	0.000
100	A138_Unbiased	0.668	0.668	0.000
100	A139_Unbiased	0.665	0.664	0.000
100	B60_Unbiased	0.663	0.672	-0.009
100	B61_Unbiased	0.665	0.668	-0.003
100	B69_Unbiased	0.663	0.664	-0.001
100	B70_Unbiased	0.665	0.666	-0.001
100	B71_Unbiased	0.664	0.665	-0.002
100	B72_Unbiased	0.665	0.666	-0.002
100	B73_Unbiased	0.663	0.664	-0.001
100	B74_Unbiased	0.662	0.663	-0.001
100	B77_Unbiased	0.666	0.667	-0.001
100	B78_Unbiased	0.663	0.664	-0.001
100	B79_Unbiased	0.664	0.665	-0.001
100	B80_Unbiased	0.664	0.665	-0.001
100	C70_Unbiased	0.661	0.662	-0.001
100	C71_Unbiased	0.668	0.668	-0.002
100	C72_Unbiased	0.664	0.667	-0.002
100	C73_Unbiased	0.662	0.663	-0.001
100	C75_Unbiased	0.666	0.667	-0.001
100	C76_Unbiased	0.669	0.671	-0.002
100	C79_Unbiased	0.666	0.667	-0.001
	Max	0.671	0.672	0.001
	Average	0.665	0.666	-0.001
	Min	0.660	0.660	-0.009
	Std Dev	0.002	0.002	0.001

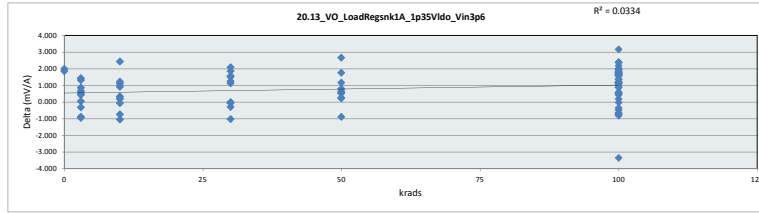


20.11_VO_snkload1A_1p35VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.7	V				
Min Limit	0.62	V				
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.666	0.662	0.661	0.663	0.662	0.661
Average	0.666	0.666	0.665	0.666	0.666	0.666
Max	0.666	0.669	0.669	0.671	0.669	0.672
UL	0.700	0.700	0.700	0.700	0.700	0.700

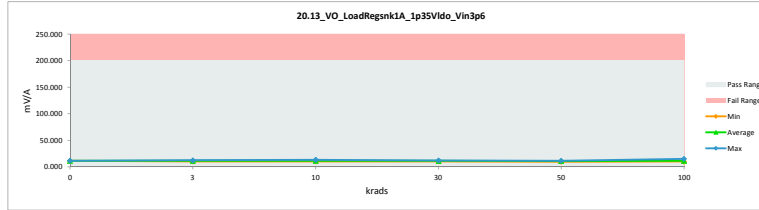


TID 100krad HDR Report
TPS7H3301-SP

20.13_VO_LoadReqsnk1A_1p35V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	12.981	10.998	1.983
3	A116_Biased	11.089	11.988	-0.899
3	A117_Biased	10.924	10.493	0.431
3	B36_Biased	10.807	10.133	0.674
3	B37_Biased	11.742	10.299	1.443
3	C39_Biased	13.084	11.763	1.321
3	A118_Unbiased	10.361	10.684	-0.323
3	A140_Unbiased	12.981	12.119	0.862
3	B38_Unbiased	10.656	11.613	-0.957
3	B39_Unbiased	11.191	11.131	0.060
3	C40_Unbiased	12.667	12.151	0.516
10	A119_Biased	11.221	11.961	-0.740
10	A120_Biased	11.937	11.905	-0.064
10	B40_Biased	10.100	11.143	-1.043
10	C41_Biased	12.529	10.094	2.435
10	C42_Biased	12.597	11.480	1.117
10	A121_Unbiased	11.937	11.598	0.339
10	A124_Unbiased	11.539	10.621	0.918
10	B41_Unbiased	10.367	10.155	0.212
10	C43_Unbiased	13.180	12.966	0.214
10	C44_Unbiased	12.214	10.994	1.220
30	A125_Biased	10.277	10.284	-0.007
30	B42_Biased	12.714	11.472	1.242
30	B43_Biased	11.421	10.288	1.133
30	C45_Biased	12.465	10.601	1.864
30	C46_Biased	13.086	11.575	1.511
30	A127_Unbiased	11.780	12.068	-0.288
30	B45_Unbiased	10.783	10.840	-0.057
30	B47_Unbiased	9.946	10.965	-1.019
30	C47_Unbiased	12.499	10.932	1.567
30	C50_Unbiased	12.674	10.578	2.096
50	A128_Biased	11.011	10.739	0.272
50	A129_Biased	10.605	11.495	-0.890
50	B48_Biased	11.293	10.733	0.560
50	B49_Biased	11.750	11.210	0.540
50	C51_Biased	12.730	10.966	1.764
50	A130_Unbiased	11.405	10.761	0.644
50	A131_Unbiased	10.788	9.628	1.160
50	B50_Unbiased	10.367	10.137	0.230
50	B51_Unbiased	11.405	10.402	0.803
50	C53_Unbiased	12.982	10.314	2.668
0	106_Corr	13.063	11.213	1.850
100	A132_Biased	11.759	11.262	0.497
100	A134_Biased	11.786	15.129	-3.343
100	A135_Biased	11.619	12.359	-0.740
100	B52_Biased	11.125	10.942	0.183
100	B54_Biased	11.266	11.924	-0.658
100	B55_Biased	10.523	11.005	-0.482
100	B56_Biased	11.238	10.670	0.568
100	B57_Biased	11.616	11.026	0.590
100	B59_Biased	11.549	11.572	-0.023
100	B62_Biased	12.610	10.900	1.710
100	B63_Biased	12.735	11.852	0.883
100	B64_Biased	12.049	12.404	-0.445
100	B66_Biased	12.762	11.008	1.754
100	B68_Biased	12.839	11.103	1.736
100	C54_Biased	12.927	11.712	1.215
100	C55_Biased	12.700	11.074	1.626
100	C56_Biased	12.736	11.540	1.196
100	C57_Biased	12.948	12.410	0.538
100	C58_Biased	12.850	11.471	1.379
100	C59_Biased	13.029	11.903	1.126
100	C65_Biased	12.992	11.376	1.617
100	C67_Biased	12.893	10.704	2.189
100	A122_Unbiased	10.728	11.075	-0.347
100	A138_Unbiased	11.358	12.172	-0.814
100	A139_Unbiased	11.531	12.204	-0.673
100	B60_Unbiased	12.803	10.403	2.400
100	B61_Unbiased	12.629	10.995	1.634
100	B69_Unbiased	12.803	11.135	1.668
100	B70_Unbiased	12.629	10.766	1.863
100	B71_Unbiased	12.531	10.511	2.020
100	B72_Unbiased	12.284	10.524	1.760
100	B73_Unbiased	12.575	11.452	1.123
100	B74_Unbiased	12.751	10.773	1.978
100	B77_Unbiased	12.392	10.413	1.979
100	B78_Unbiased	12.577	11.439	1.138
100	B79_Unbiased	12.895	11.321	1.574
100	B80_Unbiased	12.292	10.616	1.676
100	C70_Unbiased	13.076	11.889	1.187
100	C71_Unbiased	12.913	10.541	2.372
100	C72_Unbiased	13.000	9.840	3.160
100	C73_Unbiased	13.008	11.403	1.605
100	C75_Unbiased	12.493	11.620	0.873
100	C76_Unbiased	12.825	11.013	1.812
100	C79_Unbiased	12.959	11.584	1.375
	Max	13.180	15.129	-3.160
	Average	12.033	11.194	0.839
	Min	9.946	9.628	-3.343
	Std Dev	0.906	0.787	1.078

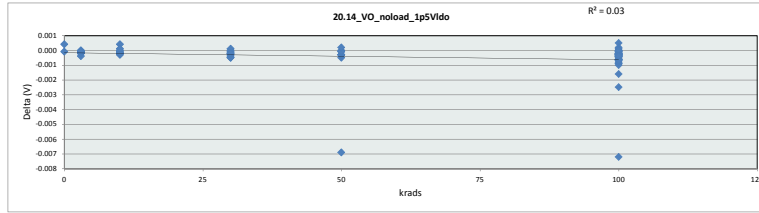


20.13_VO_LoadReqsnk1A_1p3						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	10.998	10.133	10.094	10.284	9.628	9.840
Average	11.106	11.237	11.292	10.960	10.659	11.342
Max	11.213	12.151	12.966	12.068	11.495	15.129
UL	200.000	200.000	200.000	200.000	200.000	200.000

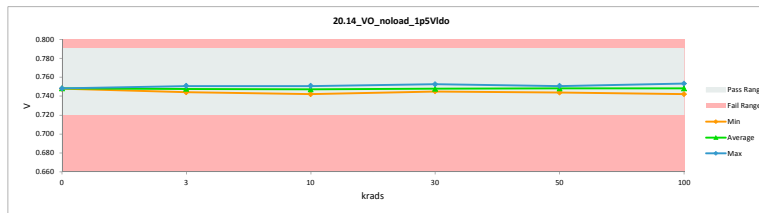


TID 100krad HDR Report
TPS7H3301-SP

20_14_VO_noload_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.748	0.748	0.000
3	A116_Biased	0.748	0.748	0.000
3	A117_Biased	0.746	0.746	0.000
3	B36_Biased	0.748	0.748	0.000
3	B37_Biased	0.748	0.748	0.000
3	C39_Biased	0.747	0.747	0.000
3	A118_Unbiased	0.751	0.751	0.000
3	A140_Unbiased	0.748	0.749	0.000
3	B38_Unbiased	0.749	0.749	0.000
3	B39_Unbiased	0.744	0.744	0.000
3	C40_Unbiased	0.746	0.746	0.000
10	A119_Biased	0.748	0.748	0.000
10	A120_Biased	0.750	0.750	0.000
10	B40_Biased	0.747	0.747	0.000
10	C41_Biased	0.749	0.749	0.000
10	C42_Biased	0.751	0.751	0.000
10	A121_Unbiased	0.744	0.744	0.000
10	A124_Unbiased	0.742	0.742	0.000
10	B41_Unbiased	0.750	0.750	0.000
10	C43_Unbiased	0.745	0.744	0.000
10	C44_Unbiased	0.747	0.746	0.000
30	A125_Biased	0.747	0.747	0.000
30	B42_Biased	0.746	0.746	0.000
30	B43_Biased	0.747	0.748	0.000
30	C45_Biased	0.751	0.752	0.000
30	C46_Biased	0.745	0.745	0.000
30	A127_Unbiased	0.746	0.747	0.000
30	B45_Unbiased	0.745	0.746	0.000
30	B47_Unbiased	0.752	0.752	0.000
30	C47_Unbiased	0.748	0.748	0.000
30	C50_Unbiased	0.748	0.748	0.000
50	A128_Biased	0.748	0.748	0.000
50	A129_Biased	0.750	0.751	0.000
50	B48_Biased	0.746	0.746	0.000
50	B49_Biased	0.748	0.749	-0.001
50	C51_Biased	0.750	0.750	0.000
50	A130_Unbiased	0.743	0.744	0.000
50	A131_Unbiased	0.747	0.747	0.000
50	B50_Unbiased	0.748	0.748	0.000
50	B51_Unbiased	0.749	0.749	-0.007
50	C53_Unbiased	0.748	0.748	0.000
0	106_Corr	0.748	0.748	0.000
100	A132_Biased	0.747	0.748	-0.001
100	A134_Biased	0.744	0.746	-0.002
100	A135_Biased	0.747	0.747	0.000
100	B52_Biased	0.742	0.742	0.000
100	B54_Biased	0.745	0.745	0.000
100	B55_Biased	0.749	0.750	-0.001
100	B56_Biased	0.750	0.751	-0.001
100	B57_Biased	0.751	0.752	-0.001
100	B59_Biased	0.746	0.746	0.000
100	B62_Biased	0.749	0.749	0.000
100	B63_Biased	0.748	0.748	0.000
100	B64_Biased	0.751	0.751	0.000
100	B66_Biased	0.748	0.748	0.000
100	B68_Biased	0.747	0.747	0.000
100	C54_Biased	0.746	0.745	0.001
100	C55_Biased	0.747	0.747	0.000
100	C56_Biased	0.750	0.750	0.000
100	C57_Biased	0.747	0.748	0.000
100	C58_Biased	0.747	0.747	0.000
100	C59_Biased	0.750	0.750	-0.001
100	C65_Biased	0.747	0.747	0.000
100	C67_Biased	0.749	0.750	-0.001
100	A122_Unbiased	0.750	0.751	-0.001
100	A138_Unbiased	0.747	0.747	0.000
100	B60_Unbiased	0.746	0.753	-0.007
100	B61_Unbiased	0.748	0.750	-0.002
100	B69_Unbiased	0.746	0.746	0.000
100	B70_Unbiased	0.748	0.748	0.000
100	B71_Unbiased	0.747	0.747	0.000
100	B72_Unbiased	0.748	0.748	0.000
100	B73_Unbiased	0.746	0.746	0.000
100	B74_Unbiased	0.745	0.745	0.000
100	B77_Unbiased	0.748	0.748	0.000
100	B78_Unbiased	0.746	0.746	0.000
100	B79_Unbiased	0.747	0.747	0.000
100	B80_Unbiased	0.747	0.746	0.000
100	C70_Unbiased	0.744	0.744	0.000
100	C71_Unbiased	0.749	0.750	-0.001
100	C72_Unbiased	0.747	0.748	0.000
100	C73_Unbiased	0.745	0.745	0.000
100	C75_Unbiased	0.748	0.749	-0.001
100	C76_Unbiased	0.752	0.753	-0.001
100	C79_Unbiased	0.749	0.750	0.000
	Max	0.752	0.753	0.001
	Average	0.747	0.748	0.000
	Min	0.742	0.742	-0.007
	Std Dev	0.002	0.002	0.001

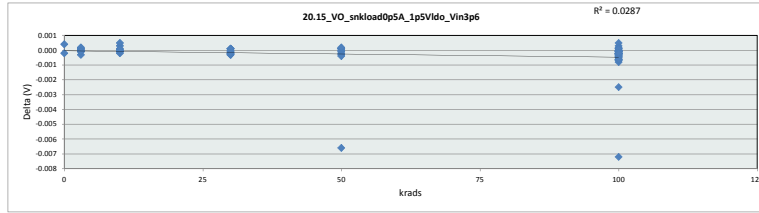


20_14_VO_noload_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.72	V				
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.748	0.744	0.742	0.745	0.744	0.742
Average	0.748	0.748	0.747	0.748	0.748	0.748
Max	0.748	0.751	0.751	0.753	0.751	0.753
UL	0.790	0.790	0.790	0.790	0.790	0.790

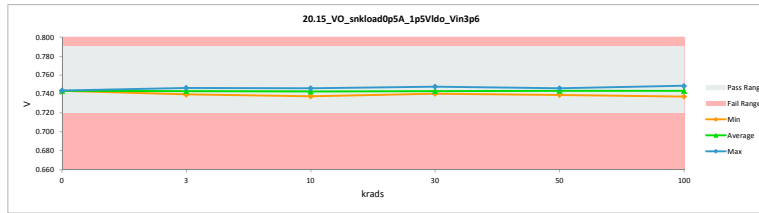


TID 100krad HDR Report
TPS7H3301-SP

20.15_VO_snkloadOp5A_1p5VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.744	0.743	0.000
3	A116_Biased	0.744	0.744	0.000
3	A117_Biased	0.741	0.741	0.000
3	B36_Biased	0.743	0.743	0.000
3	B37_Biased	0.744	0.744	0.000
3	C39_Biased	0.743	0.743	0.000
3	A118_Unbiased	0.746	0.746	0.000
3	A140_Unbiased	0.744	0.744	0.000
3	B38_Unbiased	0.745	0.744	0.000
3	B39_Unbiased	0.739	0.739	0.000
3	C40_Unbiased	0.741	0.741	0.000
10	A119_Biased	0.743	0.743	0.000
10	A120_Biased	0.746	0.746	0.000
10	B40_Biased	0.742	0.742	0.000
10	C41_Biased	0.745	0.745	0.000
10	C42_Biased	0.746	0.746	0.000
10	A121_Unbiased	0.740	0.740	0.000
10	A124_Unbiased	0.738	0.738	0.000
10	B41_Unbiased	0.746	0.746	0.000
10	C43_Unbiased	0.740	0.739	0.001
10	C44_Unbiased	0.742	0.742	0.000
30	A125_Biased	0.742	0.742	0.000
30	B42_Biased	0.741	0.742	0.000
30	B43_Biased	0.743	0.743	0.000
30	C45_Biased	0.747	0.747	0.000
30	C46_Biased	0.740	0.740	0.000
30	A127_Unbiased	0.742	0.742	0.000
30	B45_Unbiased	0.741	0.741	0.000
30	B47_Unbiased	0.748	0.748	0.000
30	C47_Unbiased	0.743	0.743	0.000
30	C50_Unbiased	0.743	0.743	0.000
50	A128_Biased	0.744	0.744	0.000
50	A129_Biased	0.746	0.746	0.000
50	B48_Biased	0.741	0.742	0.000
50	B49_Biased	0.744	0.744	0.000
50	C51_Biased	0.745	0.746	0.000
50	A130_Unbiased	0.739	0.739	0.000
50	A131_Unbiased	0.743	0.743	0.000
50	B50_Unbiased	0.744	0.744	0.000
50	B51_Unbiased	0.738	-0.007	0.000
50	C53_Unbiased	0.744	0.743	0.000
0	106_Corr	0.743	0.744	0.000
100	A132_Biased	0.743	0.743	-0.001
100	A134_Biased	0.740	0.740	-0.001
100	A135_Biased	0.742	0.743	0.000
100	B52_Biased	0.738	0.737	0.000
100	B54_Biased	0.741	0.741	0.000
100	B55_Biased	0.745	0.746	-0.001
100	B56_Biased	0.745	0.746	-0.001
100	B57_Biased	0.746	0.747	-0.001
100	B59_Biased	0.741	0.741	0.000
100	B62_Biased	0.745	0.745	0.000
100	B63_Biased	0.743	0.743	0.000
100	B64_Biased	0.746	0.747	0.000
100	B66_Biased	0.743	0.743	0.000
100	B68_Biased	0.742	0.743	0.000
100	C54_Biased	0.741	0.740	0.001
100	C55_Biased	0.743	0.743	0.000
100	C56_Biased	0.745	0.746	-0.001
100	C57_Biased	0.743	0.743	0.000
100	C58_Biased	0.742	0.743	0.000
100	C59_Biased	0.745	0.745	0.000
100	C65_Biased	0.742	0.743	0.000
100	C67_Biased	0.744	0.745	0.000
100	A122_Unbiased	0.746	0.746	0.000
100	A138_Unbiased	0.746	0.746	0.000
100	A139_Unbiased	0.743	0.743	0.000
100	B60_Unbiased	0.741	0.741	-0.007
100	B61_Unbiased	0.743	0.746	-0.002
100	B69_Unbiased	0.741	0.742	0.000
100	B70_Unbiased	0.743	0.743	0.000
100	B71_Unbiased	0.742	0.742	0.000
100	B72_Unbiased	0.743	0.743	0.000
100	B73_Unbiased	0.741	0.741	0.000
100	B74_Unbiased	0.740	0.740	0.000
100	B77_Unbiased	0.744	0.744	0.000
100	B78_Unbiased	0.741	0.742	0.000
100	B79_Unbiased	0.742	0.742	0.000
100	B80_Unbiased	0.742	0.742	0.000
100	C70_Unbiased	0.740	0.740	0.000
100	C71_Unbiased	0.744	0.745	-0.001
100	C72_Unbiased	0.743	0.743	0.000
100	C73_Unbiased	0.740	0.740	0.000
100	C75_Unbiased	0.744	0.745	-0.001
100	C76_Unbiased	0.747	0.748	-0.001
100	C79_Unbiased	0.745	0.745	0.000
	Max	0.748	0.749	0.001
	Average	0.743	0.743	0.000
	Min	0.738	0.737	-0.007
	Std Dev	0.002	0.002	0.001

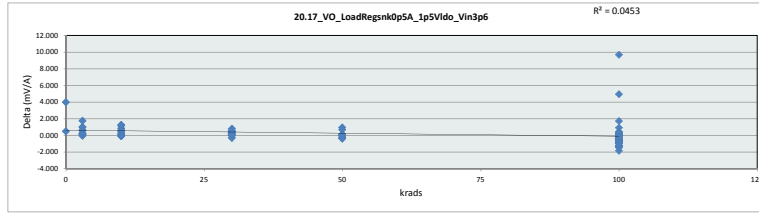


20.15_VO_snkloadOp5A_1p5VIdc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.72	V				
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.743	0.740	0.738	0.740	0.739	0.737
Average	0.743	0.743	0.743	0.743	0.743	0.743
Max	0.744	0.746	0.746	0.748	0.746	0.749
UL	0.790	0.790	0.790	0.790	0.790	0.790

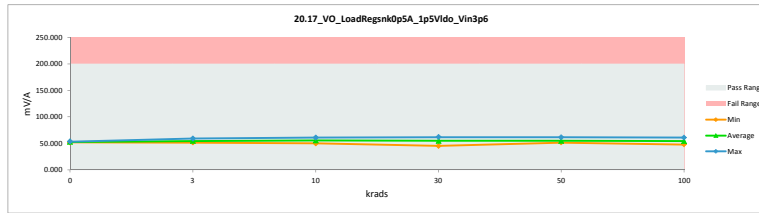


TID 100krad HDR Report
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20_17_VO_LoadRegsnkOp5A_1ps				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	56.013	52.041	3.972
3	A116_Biased	57.634	57.026	0.608
3	A117_Biased	56.900	56.937	-0.037
3	B36_Biased	52.513	52.381	0.132
3	B37_Biased	54.952	54.792	0.160
3	C39_Biased	54.683	53.711	0.972
3	A118_Unbiased	53.634	53.035	0.599
3	A140_Unbiased	56.013	54.247	1.766
3	B38_Unbiased	51.777	51.506	0.271
3	B39_Unbiased	59.417	59.262	0.155
3	C40_Unbiased	54.446	53.461	0.985
10	A119_Biased	59.737	58.898	0.839
10	A120_Biased	54.244	56.337	-0.073
10	B40_Biased	53.632	53.488	0.144
10	C41_Biased	50.597	50.163	0.434
10	C42_Biased	53.470	52.307	1.163
10	A121_Unbiased	61.054	60.802	0.252
10	A124_Unbiased	56.847	56.776	0.071
10	B41_Unbiased	55.166	54.573	0.593
10	C43_Unbiased	59.084	59.157	-0.073
10	C44_Unbiased	53.698	52.446	1.252
30	A125_Biased	59.263	59.576	-0.315
30	B42_Biased	57.037	56.676	0.361
30	B43_Biased	56.513	56.314	0.199
30	C45_Biased	49.848	49.906	-0.058
30	C46_Biased	59.109	58.610	0.499
30	A127_Unbiased	62.166	61.826	0.340
30	B45_Unbiased	57.054	56.932	0.122
30	B47_Unbiased	45.994	45.181	0.813
30	C47_Unbiased	53.334	53.318	0.016
30	C50_Unbiased	51.190	50.631	0.559
50	A128_Biased	54.767	55.061	-0.294
50	A129_Biased	51.799	51.718	0.081
50	B48_Biased	57.453	57.795	-0.342
50	B49_Biased	56.085	56.181	-0.096
50	C51_Biased	55.083	54.098	0.985
50	A130_Unbiased	60.949	61.356	-0.407
50	A131_Unbiased	51.953	51.795	0.158
50	B50_Unbiased	52.024	51.993	0.031
50	B51_Unbiased	57.810	57.127	0.683
50	C53_Unbiased	51.621	51.583	0.038
0	106_Corr	53.879	53.389	0.490
100	A132_Biased	55.703	56.418	-0.715
100	A134_Biased	58.334	59.689	-1.355
100	A135_Biased	54.681	55.498	-0.817
100	B52_Biased	58.179	59.005	-0.826
100	B54_Biased	59.640	60.849	-1.209
100	B55_Biased	49.408	49.453	-0.045
100	B56_Biased	52.267	52.283	-0.016
100	B57_Biased	49.436	50.157	-0.721
100	B59_Biased	54.636	55.875	-1.239
100	B62_Biased	50.756	51.594	-0.838
100	B63_Biased	54.856	55.304	-0.448
100	B64_Biased	52.712	52.324	0.388
100	B66_Biased	54.556	54.435	0.121
100	B68_Biased	56.090	57.382	-1.292
100	C54_Biased	59.070	60.539	-1.469
100	C55_Biased	55.026	55.983	-0.957
100	C56_Biased	51.921	51.956	-0.035
100	C57_Biased	56.594	58.437	-1.843
100	C58_Biased	54.725	55.591	-0.866
100	C59_Biased	52.144	52.552	-0.408
100	C65_Biased	52.613	52.917	-0.304
100	C67_Biased	53.330	53.293	0.037
100	A122_Unbiased	54.910	55.546	-0.636
100	A138_Unbiased	48.121	48.503	-0.382
100	A139_Unbiased	56.038	56.440	-0.402
100	B60_Unbiased	57.715	48.030	9.683
100	B61_Unbiased	54.861	49.908	4.953
100	B69_Unbiased	57.715	57.694	0.021
100	B70_Unbiased	54.861	54.749	0.112
100	B71_Unbiased	51.920	52.456	-0.536
100	B72_Unbiased	50.742	50.860	-0.118
100	B73_Unbiased	56.145	56.452	-0.307
100	B74_Unbiased	55.773	55.564	0.209
100	B77_Unbiased	48.810	48.414	0.396
100	B78_Unbiased	57.383	58.608	-1.225
100	B79_Unbiased	55.973	56.385	-0.412
100	B80_Unbiased	54.668	55.272	-0.604
100	C70_Unbiased	56.306	56.819	-0.513
100	C71_Unbiased	51.237	49.521	1.716
100	C72_Unbiased	54.957	55.475	-0.518
100	C73_Unbiased	57.491	58.480	-0.989
100	C75_Unbiased	50.997	50.067	0.930
100	C76_Unbiased	50.997	50.631	0.366
100	C79_Unbiased	54.425	54.552	-0.127
	Max	62.166	61.826	9.683
	Average	54.781	54.609	0.172
	Min	45.994	45.181	-1.843
	Std Dev	3.147	3.465	1.421



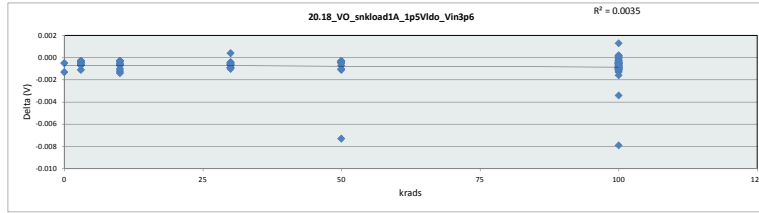
20_17_VO_LoadRegsnkOp5A_1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	52.041	51.506	50.163	45.181	51.583	48.032
Average	52.715	54.636	55.495	54.897	54.871	54.363
Max	53.389	59.262	60.802	61.826	61.356	60.849
UL	200.000	200.000	200.000	200.000	200.000	200.000



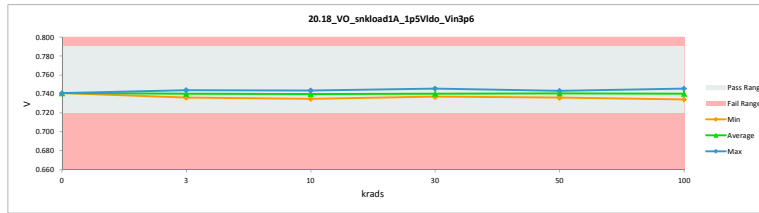
TID 100krad HDR Report
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20_18_VO_snkload1A_1p5VIdo			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.79	0.79	
Min Limit	0.72	0.72	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.740	0.741	-0.001
3	A116_Biased	0.740	0.741	0.000
3	A117_Biased	0.738	0.738	0.000
3	B36_Biased	0.740	0.741	-0.001
3	B37_Biased	0.740	0.741	0.000
3	C39_Biased	0.739	0.739	0.000
3	A118_Unbiased	0.744	0.744	0.000
3	A140_Unbiased	0.740	0.741	-0.001
3	B38_Unbiased	0.742	0.742	-0.001
3	B39_Unbiased	0.736	0.736	-0.001
3	C40_Unbiased	0.738	0.739	-0.001
10	A119_Biased	0.739	0.740	-0.001
10	A120_Biased	0.743	0.743	0.000
10	B40_Biased	0.739	0.740	-0.001
10	C41_Biased	0.742	0.742	-0.001
10	C42_Biased	0.742	0.744	-0.001
10	A121_Unbiased	0.736	0.736	0.000
10	A124_Unbiased	0.734	0.735	-0.001
10	B41_Unbiased	0.743	0.743	-0.001
10	C43_Unbiased	0.736	0.736	0.000
10	C44_Unbiased	0.739	0.740	-0.001
30	A125_Biased	0.738	0.739	-0.001
30	B42_Biased	0.738	0.738	-0.001
30	B43_Biased	0.740	0.740	-0.001
30	C45_Biased	0.744	0.744	0.000
30	C46_Biased	0.736	0.737	-0.001
30	A127_Unbiased	0.740	0.739	0.000
30	B45_Unbiased	0.738	0.738	0.000
30	B47_Unbiased	0.745	0.746	-0.001
30	C47_Unbiased	0.740	0.740	-0.001
30	C50_Unbiased	0.739	0.740	-0.001
50	A128_Biased	0.741	0.741	0.000
50	A129_Biased	0.743	0.743	-0.001
50	B48_Biased	0.738	0.738	0.000
50	B49_Biased	0.741	0.741	0.000
50	C51_Biased	0.741	0.743	-0.001
50	A130_Unbiased	0.736	0.736	0.000
50	A131_Unbiased	0.740	0.740	0.000
50	B50_Unbiased	0.740	0.741	-0.001
50	B51_Unbiased	0.734	0.742	-0.001
50	C53_Unbiased	0.740	0.741	-0.001
0	106_Corr	0.739	0.741	-0.001
100	A132_Biased	0.739	0.740	-0.001
100	A134_Biased	0.737	0.736	0.001
100	A135_Biased	0.739	0.739	-0.001
100	B52_Biased	0.734	0.734	0.000
100	B54_Biased	0.737	0.737	0.000
100	B55_Biased	0.742	0.743	-0.001
100	B56_Biased	0.742	0.743	-0.001
100	B57_Biased	0.743	0.744	0.000
100	B59_Biased	0.738	0.738	0.000
100	B62_Biased	0.741	0.742	-0.001
100	B63_Biased	0.739	0.741	-0.001
100	B64_Biased	0.743	0.744	-0.001
100	B66_Biased	0.739	0.740	-0.001
100	B68_Biased	0.738	0.740	-0.001
100	C54_Biased	0.737	0.737	0.000
100	C55_Biased	0.739	0.739	0.000
100	C56_Biased	0.741	0.742	-0.001
100	C57_Biased	0.739	0.740	0.000
100	C58_Biased	0.739	0.739	0.000
100	C59_Biased	0.741	0.742	-0.001
100	C65_Biased	0.739	0.740	-0.001
100	C67_Biased	0.741	0.742	-0.001
100	A122_Unbiased	0.742	0.743	-0.001
100	A138_Unbiased	0.743	0.743	-0.001
100	A139_Unbiased	0.740	0.740	0.000
100	B60_Unbiased	0.738	0.746	-0.008
100	B61_Unbiased	0.739	0.743	-0.003
100	B69_Unbiased	0.738	0.738	-0.001
100	B70_Unbiased	0.739	0.740	-0.001
100	B71_Unbiased	0.739	0.739	0.000
100	B72_Unbiased	0.740	0.741	0.000
100	B73_Unbiased	0.738	0.738	-0.001
100	B74_Unbiased	0.737	0.737	0.000
100	B77_Unbiased	0.740	0.741	-0.001
100	B78_Unbiased	0.738	0.738	0.000
100	B79_Unbiased	0.738	0.739	-0.001
100	B80_Unbiased	0.739	0.739	0.000
100	C70_Unbiased	0.735	0.736	0.000
100	C71_Unbiased	0.740	0.742	-0.002
100	C72_Unbiased	0.739	0.740	-0.001
100	C73_Unbiased	0.736	0.737	-0.001
100	C75_Unbiased	0.741	0.742	-0.001
100	C76_Unbiased	0.744	0.745	-0.001
100	C79_Unbiased	0.741	0.742	-0.001
	Max	0.745	0.746	0.001
	Average	0.739	0.740	-0.001
	Min	0.734	0.734	-0.008
	Std Dev	0.002	0.002	0.001

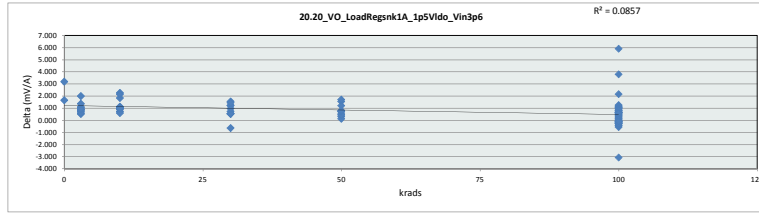


20_18_VO_snkload1A_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79 V					
Min Limit	0.72 V					
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.741	0.736	0.735	0.737	0.736	0.734
Average	0.741	0.740	0.740	0.740	0.741	0.740
Max	0.741	0.744	0.744	0.746	0.743	0.746
UL	0.790	0.790	0.790	0.790	0.790	0.790

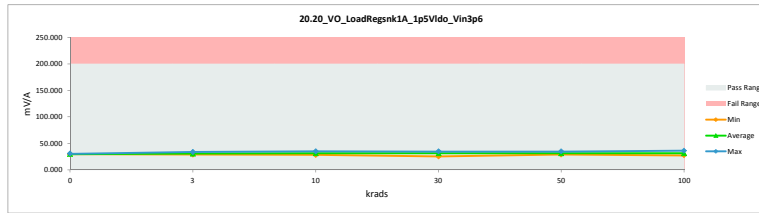


TID 100krad HDR Report
TPS7H3301-SP

20_20_VO_LoadReqsnk1A_1p5Vr				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	32.547	29.363	3.184
3	A116_Biased	33.626	32.736	0.890
3	A117_Biased	32.867	32.361	0.506
3	B36_Biased	30.367	29.545	0.822
3	B37_Biased	31.776	31.038	0.738
3	C39_Biased	32.075	31.051	1.024
3	A118_Unbiased	30.006	29.401	0.605
3	A140_Unbiased	32.547	30.544	2.003
3	B38_Unbiased	30.091	29.001	1.090
3	B39_Unbiased	34.714	33.791	0.923
3	C40_Unbiased	31.422	30.072	1.350
10	A119_Biased	34.554	33.528	1.026
10	A120_Biased	31.987	31.259	0.728
10	B40_Biased	30.844	29.923	0.921
10	C41_Biased	29.676	28.546	1.130
10	C42_Biased	31.445	29.184	2.261
10	A121_Unbiased	35.613	35.018	0.595
10	A124_Unbiased	33.777	31.931	1.846
10	B41_Unbiased	31.820	30.780	1.040
10	C43_Unbiased	34.893	33.937	0.956
10	C44_Unbiased	31.443	29.291	2.152
30	A125_Biased	34.449	32.240	2.209
30	B42_Biased	33.134	32.588	0.546
30	B43_Biased	32.431	31.698	0.733
30	C45_Biased	29.295	28.790	0.505
30	C46_Biased	35.126	33.582	1.544
30	A127_Unbiased	33.985	34.628	-0.643
30	B45_Unbiased	32.971	32.435	0.536
30	B47_Unbiased	26.722	25.524	1.198
30	C47_Unbiased	31.337	30.384	0.953
30	C50_Unbiased	30.709	29.260	1.449
50	A128_Biased	31.793	31.283	0.510
50	A129_Biased	30.121	29.433	0.688
50	B48_Biased	33.198	32.884	0.314
50	B49_Biased	32.558	32.431	0.127
50	C51_Biased	32.001	32.019	-0.018
50	A130_Unbiased	35.125	34.687	0.438
50	A131_Unbiased	29.611	28.884	0.727
50	B50_Unbiased	30.240	29.440	0.800
50	B51_Unbiased	33.571	32.376	1.195
50	C53_Unbiased	30.594	28.884	1.710
0	106_Corr	32.115	30.465	1.650
100	A132_Biased	32.560	32.678	-0.118
100	A134_Biased	33.267	36.346	-3.079
100	A135_Biased	32.001	32.140	-0.139
100	B52_Biased	33.736	33.814	-0.078
100	B54_Biased	34.766	35.051	-0.285
100	B55_Biased	28.831	28.703	0.128
100	B56_Biased	30.380	29.912	0.468
100	B57_Biased	28.849	29.156	-0.307
100	B59_Biased	32.084	32.558	-0.474
100	B62_Biased	29.870	29.622	0.248
100	B63_Biased	32.490	31.458	1.032
100	B64_Biased	31.249	30.003	1.246
100	B66_Biased	32.488	31.433	1.055
100	B68_Biased	33.557	32.934	0.623
100	C54_Biased	34.859	35.036	-0.177
100	C55_Biased	32.137	32.193	-0.056
100	C56_Biased	31.048	30.413	0.635
100	C57_Biased	32.700	33.261	-0.561
100	C58_Biased	32.058	32.328	-0.270
100	C59_Biased	31.118	30.680	0.438
100	C65_Biased	30.765	30.466	0.299
100	C67_Biased	31.122	30.388	0.734
100	A122_Unbiased	31.842	31.793	0.049
100	A138_Unbiased	27.641	27.474	0.167
100	A139_Unbiased	32.038	32.202	-0.164
100	B60_Unbiased	33.737	27.834	5.903
100	B61_Unbiased	32.463	28.680	3.783
100	B69_Unbiased	33.737	32.914	0.823
100	B70_Unbiased	32.463	31.334	1.129
100	B71_Unbiased	29.681	30.126	-0.445
100	B72_Unbiased	28.934	28.969	-0.035
100	B73_Unbiased	32.538	31.891	0.647
100	B74_Unbiased	32.715	32.074	0.641
100	B77_Unbiased	28.953	27.779	1.174
100	B78_Unbiased	33.537	33.806	-0.269
100	B79_Unbiased	33.528	32.549	0.979
100	B80_Unbiased	31.565	31.650	-0.085
100	C70_Unbiased	33.969	33.582	0.387
100	C71_Unbiased	30.782	28.625	2.157
100	C72_Unbiased	32.936	32.001	0.935
100	C73_Unbiased	34.615	33.779	0.836
100	C75_Unbiased	29.507	28.702	0.805
100	C76_Unbiased	30.037	29.439	0.598
100	C79_Unbiased	32.882	31.713	1.169
	Max	35.613	36.346	5.903
	Average	31.990	31.229	0.762
	Min	26.722	25.524	-3.079
	Std Dev	1.824	2.065	1.035

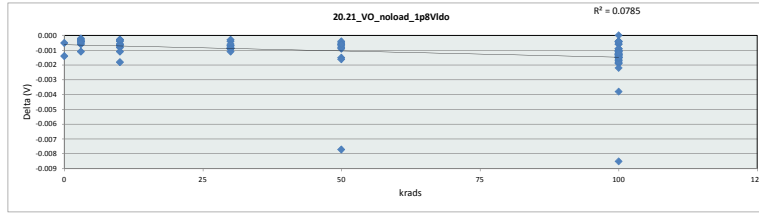


20_20_VO_LoadReqsnk1A_1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	29.363	29.001	28.546	25.524	28.884	27.474
Average	29.914	30.954	31.340	31.210	31.132	31.352
Max	30.465	33.791	35.018	34.628	34.687	36.346
UL	200.000	200.000	200.000	200.000	200.000	200.000

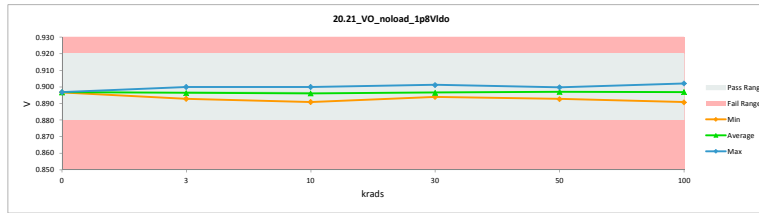


TID 100krad HDR Report
TPS7H3301-SP

20_21_VO_noload_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.92	0.92		
Min Limit	0.88	0.88		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.896	0.897	-0.001
3	A116_Biased	0.897	0.897	0.000
3	A117_Biased	0.894	0.895	0.000
3	B36_Biased	0.896	0.897	0.000
3	B37_Biased	0.896	0.897	0.000
3	C39_Unbiased	0.895	0.896	0.000
3	A118_Unbiased	0.900	0.900	0.000
3	A140_Unbiased	0.896	0.897	-0.001
3	B38_Unbiased	0.897	0.898	-0.001
3	B39_Unbiased	0.892	0.893	0.000
3	C40_Unbiased	0.894	0.895	-0.001
10	A119_Biased	0.896	0.897	-0.001
10	A120_Biased	0.899	0.900	0.000
10	B40_Biased	0.895	0.896	-0.001
10	C41_Biased	0.897	0.898	-0.001
10	C42_Biased	0.898	0.900	-0.002
10	A121_Unbiased	0.893	0.893	0.000
10	A124_Unbiased	0.891	0.891	0.000
10	B41_Unbiased	0.899	0.900	-0.001
10	C43_Unbiased	0.892	0.893	0.000
10	C44_Unbiased	0.894	0.895	-0.001
30	A125_Biased	0.895	0.896	0.000
30	B42_Biased	0.894	0.895	-0.001
30	B43_Biased	0.896	0.897	-0.001
30	C45_Biased	0.900	0.900	0.000
30	C46_Biased	0.893	0.894	-0.001
30	A127_Unbiased	0.895	0.896	-0.001
30	B45_Unbiased	0.894	0.894	-0.001
30	B47_Unbiased	0.900	0.901	-0.001
30	C47_Unbiased	0.896	0.897	-0.001
30	C50_Unbiased	0.895	0.896	-0.001
50	A128_Biased	0.897	0.898	-0.001
50	A129_Biased	0.899	0.900	-0.001
50	B48_Biased	0.894	0.895	-0.001
50	B49_Biased	0.897	0.898	-0.001
50	C51_Biased	0.898	0.899	-0.002
50	A130_Unbiased	0.892	0.893	-0.001
50	A131_Unbiased	0.896	0.896	0.000
50	B50_Unbiased	0.896	0.897	-0.001
50	B51_Unbiased	0.899	0.899	-0.002
50	C53_Unbiased	0.896	0.897	-0.002
0	106_Corr	0.895	0.897	-0.001
100	A132_Biased	0.896	0.897	-0.001
100	A134_Biased	0.893	0.893	0.000
100	A135_Biased	0.896	0.896	-0.001
100	B52_Biased	0.890	0.891	0.000
100	B54_Biased	0.894	0.894	-0.001
100	B55_Biased	0.897	0.899	-0.001
100	B56_Biased	0.898	0.900	-0.002
100	B57_Biased	0.899	0.900	-0.001
100	B59_Biased	0.894	0.895	-0.001
100	B62_Biased	0.897	0.898	-0.001
100	B63_Biased	0.895	0.897	-0.002
100	B64_Biased	0.898	0.900	-0.002
100	B66_Biased	0.895	0.897	-0.001
100	B68_Biased	0.895	0.896	-0.002
100	C54_Biased	0.893	0.894	-0.001
100	C55_Biased	0.895	0.896	-0.001
100	C56_Biased	0.898	0.899	-0.002
100	C57_Biased	0.896	0.897	-0.001
100	C58_Biased	0.895	0.896	-0.001
100	C59_Biased	0.897	0.899	-0.001
100	C65_Biased	0.895	0.896	-0.002
100	C67_Biased	0.897	0.899	-0.002
100	A122_Unbiased	0.899	0.900	-0.001
100	A138_Unbiased	0.898	0.899	-0.001
100	A139_Unbiased	0.896	0.896	0.000
100	B60_Unbiased	0.894	0.894	-0.009
100	B61_Unbiased	0.895	0.899	-0.004
100	B69_Unbiased	0.894	0.895	-0.002
100	B70_Unbiased	0.895	0.897	-0.002
100	B71_Unbiased	0.895	0.895	0.000
100	B72_Unbiased	0.896	0.897	0.000
100	B73_Unbiased	0.893	0.895	-0.001
100	B74_Unbiased	0.892	0.894	-0.001
100	B77_Unbiased	0.895	0.897	-0.002
100	B78_Unbiased	0.894	0.895	-0.001
100	B79_Unbiased	0.894	0.896	-0.001
100	B80_Unbiased	0.895	0.895	0.000
100	C70_Unbiased	0.892	0.893	-0.001
100	C71_Unbiased	0.896	0.898	-0.002
100	C72_Unbiased	0.895	0.896	-0.001
100	C73_Unbiased	0.893	0.894	-0.001
100	C75_Unbiased	0.896	0.898	-0.002
100	C76_Unbiased	0.900	0.902	-0.002
100	C79_Unbiased	0.897	0.897	-0.001
	Max	0.900	0.902	0.000
	Average	0.896	0.897	-0.001
	Min	0.890	0.891	-0.009
	Std Dev	0.002	0.002	0.001

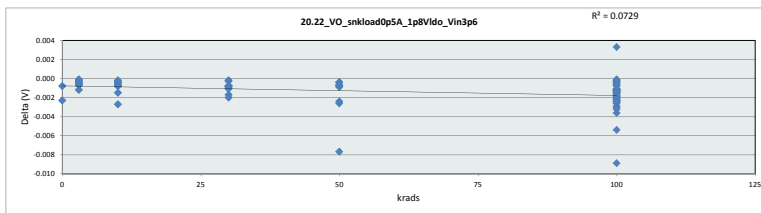


20_21_VO_noload_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.92	V				
Min Limit	0.88	V				
krads	0	3	10	30	50	100
LL	0.880	0.880	0.880	0.880	0.880	0.880
Min	0.897	0.893	0.891	0.894	0.893	0.891
Average	0.897	0.896	0.896	0.897	0.897	0.897
Max	0.897	0.900	0.900	0.901	0.900	0.902
UL	0.920	0.920	0.920	0.920	0.920	0.920

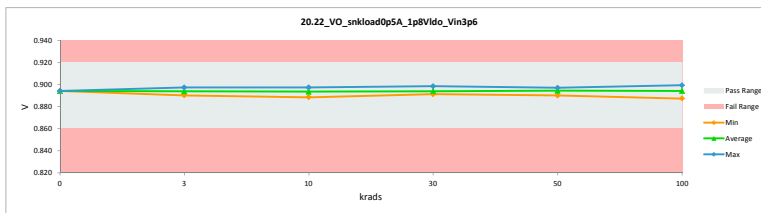


TID 100krad HDR Report
TPS7H3301-SP

20_22_VO_snkloadOp5A_1p8VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.92	0.92		
Min Limit	0.86	0.86		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.893	0.894	-0.001
3	A116_Biased	0.894	0.895	-0.001
3	A117_Biased	0.892	0.892	0.000
3	B36_Biased	0.893	0.894	-0.001
3	B37_Biased	0.894	0.894	0.000
3	C39_Biased	0.893	0.893	0.000
3	A118_Unbiased	0.897	0.897	0.000
3	A140_Unbiased	0.893	0.895	-0.001
3	B38_Unbiased	0.895	0.896	-0.001
3	B39_Unbiased	0.890	0.890	-0.001
3	C40_Unbiased	0.892	0.892	0.000
10	A119_Biased	0.893	0.894	-0.001
10	A120_Biased	0.896	0.897	-0.001
10	B40_Biased	0.892	0.893	-0.001
10	C41_Biased	0.895	0.896	-0.001
10	C42_Biased	0.895	0.897	-0.003
10	A121_Unbiased	0.890	0.890	0.000
10	A124_Unbiased	0.888	0.888	0.000
10	B41_Unbiased	0.896	0.897	-0.001
10	C43_Unbiased	0.888	0.890	-0.002
10	C44_Unbiased	0.892	0.893	0.000
30	A125_Biased	0.893	0.893	0.000
30	B42_Biased	0.891	0.892	-0.001
30	B43_Biased	0.893	0.894	-0.001
30	C45_Biased	0.897	0.898	0.000
30	C46_Biased	0.890	0.891	-0.002
30	A127_Unbiased	0.892	0.893	-0.001
30	B45_Unbiased	0.891	0.892	-0.001
30	B47_Unbiased	0.898	0.899	-0.001
30	C47_Unbiased	0.893	0.894	-0.001
30	C50_Unbiased	0.892	0.894	-0.002
50	A128_Biased	0.894	0.895	-0.001
50	A129_Biased	0.896	0.897	-0.001
50	B48_Biased	0.892	0.892	-0.001
50	B49_Biased	0.894	0.895	-0.001
50	C51_Biased	0.894	0.896	-0.003
50	A130_Unbiased	0.890	0.890	0.000
50	A131_Unbiased	0.893	0.894	0.000
50	B50_Unbiased	0.894	0.895	-0.001
50	B51_Unbiased	0.888	0.896	-0.008
50	C53_Unbiased	0.892	0.895	-0.002
0	106_Corr	0.892	0.894	-0.002
100	A132_Biased	0.893	0.894	-0.001
100	A134_Biased	0.891	0.887	0.003
100	A135_Biased	0.892	0.893	-0.001
100	B52_Biased	0.888	0.888	0.000
100	B54_Biased	0.891	0.891	0.000
100	B55_Biased	0.895	0.896	-0.001
100	B56_Biased	0.895	0.897	-0.001
100	B57_Biased	0.896	0.898	-0.001
100	B59_Biased	0.891	0.892	-0.001
100	B62_Biased	0.894	0.896	-0.001
100	B63_Biased	0.892	0.894	-0.002
100	B64_Biased	0.895	0.897	-0.003
100	B66_Biased	0.891	0.894	-0.003
100	B68_Biased	0.891	0.894	-0.003
100	C54_Biased	0.889	0.891	-0.002
100	C55_Biased	0.892	0.893	-0.001
100	C56_Biased	0.895	0.897	-0.002
100	C57_Biased	0.893	0.894	-0.001
100	C58_Biased	0.892	0.893	-0.001
100	C59_Biased	0.894	0.896	-0.002
100	C65_Biased	0.892	0.894	-0.001
100	C67_Biased	0.894	0.896	-0.002
100	A122_Unbiased	0.896	0.897	-0.001
100	A138_Unbiased	0.896	0.897	-0.001
100	A139_Unbiased	0.893	0.893	0.000
100	B60_Unbiased	0.890	0.899	-0.009
100	B61_Unbiased	0.891	0.896	-0.005
100	B69_Unbiased	0.890	0.892	-0.002
100	B70_Unbiased	0.891	0.894	-0.004
100	B71_Unbiased	0.893	0.893	0.000
100	B72_Unbiased	0.894	0.894	0.000
100	B73_Unbiased	0.890	0.892	-0.002
100	B74_Unbiased	0.889	0.891	-0.002
100	B77_Unbiased	0.892	0.894	-0.002
100	B78_Unbiased	0.891	0.892	-0.001
100	B79_Unbiased	0.891	0.893	-0.002
100	B80_Unbiased	0.892	0.892	0.000
100	C70_Unbiased	0.888	0.890	-0.002
100	C71_Unbiased	0.892	0.895	-0.003
100	C72_Unbiased	0.891	0.894	-0.002
100	C73_Unbiased	0.889	0.891	-0.002
100	C75_Unbiased	0.894	0.895	-0.002
100	C76_Unbiased	0.897	0.899	-0.002
100	C79_Unbiased	0.894	0.896	-0.002
	Max	0.898	0.899	0.003
	Average	0.893	0.894	-0.001
	Min	0.888	0.887	-0.009
	Std Dev	0.002	0.002	0.002

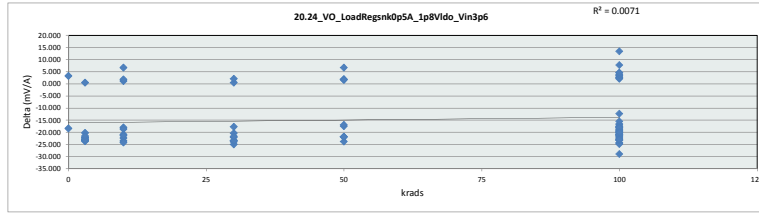


20_22_VO_snkloadOp5A_1p8VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.92	V				
Min Limit	0.86	V				
krads	0	3	10	30	50	100
LL	0.860	0.860	0.860	0.860	0.860	0.860
Min	0.894	0.890	0.889	0.891	0.890	0.887
Average	0.894	0.894	0.894	0.894	0.894	0.894
Max	0.894	0.897	0.897	0.899	0.897	0.899
UL	0.920	0.920	0.920	0.920	0.920	0.920

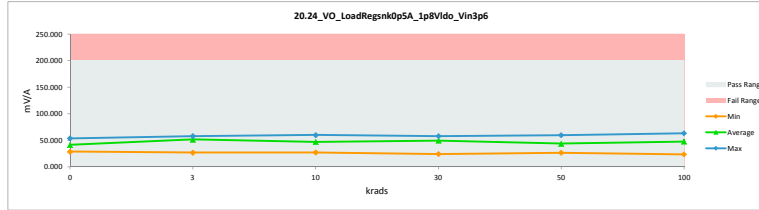


TID 100krad HDR Report
TPS7H3301-SP

20_24_VO_LoadRegnskOp5A_1p6				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	31.766	28.524	3.242
3	A116_Biased	31.187	54.481	-23.294
3	A117_Biased	33.247	56.904	-23.657
3	B36_Biased	30.135	53.163	-23.028
3	B37_Biased	30.893	54.168	-23.275
3	C39_Biased	31.584	53.869	-22.285
3	A118_Unbiased	27.248	26.749	0.499
3	A140_Unbiased	31.766	54.019	-22.253
3	B38_Unbiased	30.247	50.453	-20.206
3	B39_Unbiased	34.752	57.736	-22.984
3	C40_Unbiased	31.135	52.738	-21.603
10	A119_Biased	32.965	56.490	-23.525
10	A120_Biased	39.323	28.197	1.126
10	B40_Biased	31.466	53.848	-22.382
10	C41_Biased	29.210	50.095	-20.885
10	C42_Biased	33.670	26.908	6.762
10	A121_Unbiased	35.696	59.912	-24.216
10	A124_Unbiased	35.295	53.240	-17.945
10	B41_Unbiased	29.151	27.305	1.846
10	C43_Unbiased	40.204	58.906	-18.702
10	C44_Unbiased	31.805	53.037	-21.232
30	A125_Biased	32.105	57.077	-24.972
30	B42_Biased	33.450	57.409	-23.959
30	B43_Biased	32.244	54.314	-22.070
30	C45_Biased	26.132	25.556	0.576
30	C46_Biased	36.922	57.269	-20.347
30	A127_Unbiased	34.274	57.714	-23.440
30	B45_Unbiased	33.408	56.816	-23.408
30	B47_Unbiased	25.904	23.771	2.133
30	C47_Unbiased	31.314	53.047	-21.733
30	C50_Unbiased	33.415	51.119	-17.704
50	A128_Biased	30.804	52.676	-21.872
50	A129_Biased	28.500	26.470	2.030
50	B48_Biased	33.259	31.547	1.712
50	B49_Biased	30.423	28.665	1.758
50	C51_Biased	33.999	27.245	6.754
50	A130_Unbiased	35.553	59.394	-23.841
50	A131_Unbiased	30.568	52.454	-21.886
50	B50_Unbiased	30.188	51.951	-21.763
50	B51_Unbiased	36.647	54.157	-17.510
50	C53_Unbiased	33.905	50.763	-16.858
0	106_Corr	35.326	53.642	-18.316
100	A132_Biased	31.572	29.466	2.106
100	A134_Biased	34.157	63.100	-28.943
100	A135_Biased	33.089	53.995	-20.906
100	B52_Biased	36.749	56.093	-19.344
100	B54_Biased	34.701	59.148	-24.447
100	B55_Biased	28.258	49.905	-21.647
100	B56_Biased	29.293	26.534	2.759
100	B57_Biased	27.378	24.716	2.662
100	B59_Biased	32.136	56.408	-24.272
100	B62_Biased	30.540	51.354	-20.814
100	B63_Biased	35.336	54.415	-19.079
100	B64_Biased	33.243	25.436	7.807
100	B66_Biased	36.088	53.657	-17.569
100	B68_Biased	36.889	54.840	-17.951
100	C54_Biased	39.019	59.129	-20.110
100	C55_Biased	33.594	55.846	-22.252
100	C56_Biased	30.076	26.322	3.754
100	C57_Biased	32.284	55.580	-23.296
100	C58_Biased	33.048	54.388	-21.340
100	C59_Biased	30.671	51.278	-20.607
100	C65_Biased	31.872	28.540	3.332
100	C67_Biased	30.503	25.844	4.659
100	A122_Unbiased	29.597	27.182	2.415
100	A138_Unbiased	27.057	48.411	-21.354
100	A139_Unbiased	30.539	55.452	-24.913
100	B60_Unbiased	36.736	23.212	13.524
100	B61_Unbiased	37.325	49.572	-12.247
100	B69_Unbiased	36.736	56.484	-19.748
100	B70_Unbiased	37.325	53.847	-16.522
100	B71_Unbiased	30.242	53.493	-23.251
100	B72_Unbiased	28.073	51.096	-23.023
100	B73_Unbiased	35.781	56.645	-20.864
100	B74_Unbiased	36.736	55.636	-18.900
100	B77_Unbiased	33.471	50.337	-16.866
100	B78_Unbiased	34.753	57.852	-22.602
100	B79_Unbiased	36.213	56.027	-19.814
100	B80_Unbiased	32.785	55.800	-23.015
100	C70_Unbiased	39.530	57.133	-17.603
100	C71_Unbiased	35.062	50.583	-15.521
100	C72_Unbiased	35.861	54.074	-18.213
100	C73_Unbiased	38.774	56.900	-18.126
100	C75_Unbiased	30.371	50.286	-19.915
100	C76_Unbiased	27.411	23.665	3.746
100	C79_Unbiased	31.692	27.022	4.670
	Max	40.204	63.100	13.524
	Average	32.717	47.442	-14.725
	Min	25.904	23.212	-28.943
	Std Dev	3.185	12.493	11.186

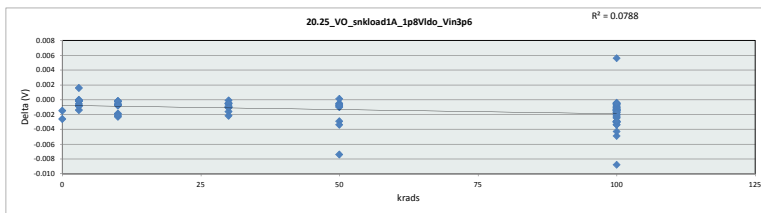


20_24_VO_LoadRegnskOp5A_1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	28.524	26.749	26.908	23.771	26.470	23.212
Average	41.083	51.428	46.794	49.409	43.532	47.414
Max	53.642	57.736	59.912	57.714	59.394	63.100
UL	200.000	200.000	200.000	200.000	200.000	200.000

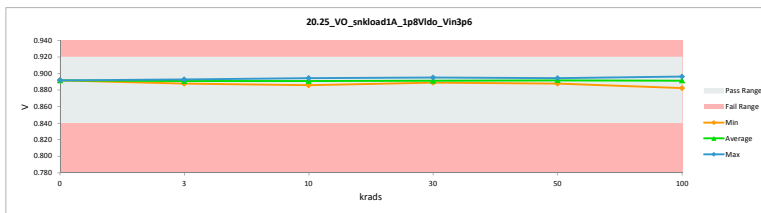


TID 100krad HDR Report
TPS7H3301-SP

20_25_VO_snkload1A_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.92	0.92		
Min Limit	0.84	0.84		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.890	0.892	-0.002
3	A116_Biased	0.891	0.892	-0.001
3	A117_Biased	0.889	0.889	0.000
3	B36_Biased	0.891	0.891	-0.001
3	B37_Biased	0.891	0.891	0.000
3	C39_Biased	0.890	0.890	0.000
3	A118_Unbiased	0.894	0.893	0.002
3	A140_Unbiased	0.890	0.892	-0.001
3	B38_Unbiased	0.892	0.892	0.000
3	B39_Unbiased	0.887	0.888	-0.001
3	C40_Unbiased	0.889	0.890	0.000
10	A119_Biased	0.891	0.891	-0.001
10	A120_Biased	0.893	0.894	0.000
10	B40_Biased	0.890	0.891	-0.001
10	C41_Biased	0.892	0.892	0.000
10	C42_Biased	0.892	0.894	-0.002
10	A121_Unbiased	0.887	0.888	-0.001
10	A124_Unbiased	0.886	0.886	0.000
10	B41_Unbiased	0.893	0.894	-0.001
10	C43_Unbiased	0.886	0.887	-0.002
10	C44_Unbiased	0.888	0.890	-0.002
30	A125_Biased	0.891	0.891	-0.001
30	B42_Biased	0.888	0.889	-0.001
30	B43_Biased	0.891	0.892	-0.001
30	C45_Biased	0.895	0.895	0.000
30	C46_Biased	0.887	0.889	-0.002
30	A127_Unbiased	0.890	0.891	-0.001
30	B45_Unbiased	0.888	0.889	-0.001
30	B47_Unbiased	0.895	0.895	-0.001
30	C47_Unbiased	0.890	0.891	-0.001
30	C50_Unbiased	0.889	0.891	-0.002
50	A128_Biased	0.892	0.892	0.000
50	A129_Biased	0.893	0.894	-0.001
50	B48_Biased	0.889	0.890	-0.001
50	B49_Biased	0.891	0.892	-0.001
50	C51_Biased	0.891	0.894	-0.003
50	A130_Unbiased	0.887	0.888	-0.001
50	A131_Unbiased	0.891	0.890	0.000
50	B50_Unbiased	0.891	0.892	-0.001
50	B51_Unbiased	0.885	0.893	-0.007
50	C53_Unbiased	0.889	0.893	-0.003
0	106_Corr	0.889	0.892	-0.003
100	A132_Biased	0.890	0.892	-0.001
100	A134_Biased	0.888	0.882	0.006
100	A135_Biased	0.889	0.891	-0.001
100	B52_Biased	0.885	0.886	-0.001
100	B54_Biased	0.888	0.889	-0.001
100	B55_Biased	0.892	0.893	-0.001
100	B56_Biased	0.892	0.894	-0.001
100	B57_Biased	0.894	0.895	-0.001
100	B59_Biased	0.888	0.889	-0.001
100	B62_Biased	0.891	0.892	-0.001
100	B63_Biased	0.889	0.891	-0.002
100	B64_Biased	0.891	0.895	-0.003
100	B66_Biased	0.888	0.891	-0.003
100	B68_Biased	0.888	0.891	-0.003
100	C54_Biased	0.887	0.889	-0.002
100	C55_Biased	0.889	0.891	-0.001
100	C56_Biased	0.891	0.894	-0.002
100	C57_Biased	0.890	0.891	-0.001
100	C58_Biased	0.890	0.891	-0.001
100	C59_Biased	0.891	0.893	-0.002
100	C65_Biased	0.891	0.891	-0.002
100	C67_Biased	0.892	0.893	-0.002
100	A122_Unbiased	0.893	0.894	-0.001
100	A138_Unbiased	0.893	0.893	-0.001
100	A139_Unbiased	0.891	0.891	0.000
100	B60_Unbiased	0.887	0.896	-0.009
100	B61_Unbiased	0.889	0.893	-0.005
100	B69_Unbiased	0.887	0.890	-0.002
100	B70_Unbiased	0.889	0.892	-0.003
100	B71_Unbiased	0.890	0.890	-0.001
100	B72_Unbiased	0.891	0.892	-0.001
100	B73_Unbiased	0.887	0.889	-0.002
100	B74_Unbiased	0.887	0.888	-0.002
100	B77_Unbiased	0.889	0.894	-0.004
100	B78_Unbiased	0.889	0.896	-0.001
100	B79_Unbiased	0.887	0.890	-0.003
100	B80_Unbiased	0.889	0.890	-0.001
100	C70_Unbiased	0.885	0.888	-0.003
100	C71_Unbiased	0.889	0.893	-0.003
100	C72_Unbiased	0.888	0.891	-0.003
100	C73_Unbiased	0.886	0.889	-0.003
100	C75_Unbiased	0.891	0.892	-0.001
100	C76_Unbiased	0.894	0.896	-0.002
100	C78_Unbiased	0.891	0.892	-0.002
	Max	0.895	0.896	0.006
	Average	0.890	0.891	-0.001
	Min	0.885	0.882	-0.009
	Std Dev	0.002	0.002	0.002

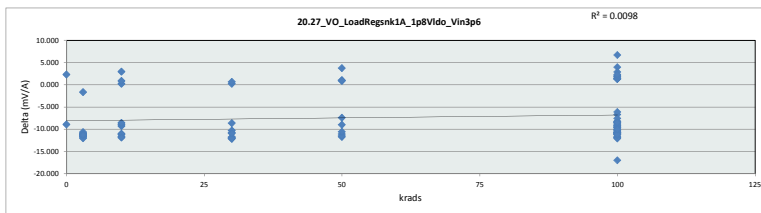


20_25_VO_snkload1A_1p8VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.92	V				
Min Limit	0.84	V				
krads	0	3	10	30	50	100
LL	0.840	0.840	0.840	0.840	0.840	0.840
Min	0.892	0.888	0.886	0.889	0.888	0.882
Average	0.892	0.891	0.891	0.891	0.892	0.891
Max	0.892	0.893	0.894	0.895	0.894	0.896
UL	0.920	0.920	0.920	0.920	0.920	0.920

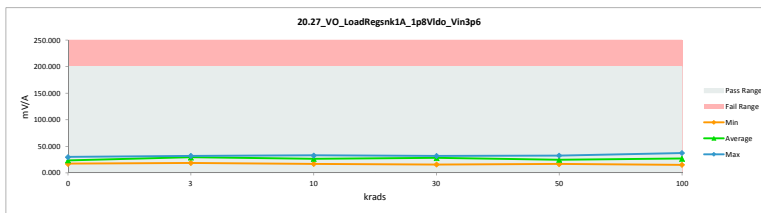


TID 100krad HDR Report
TPS7H3301-SP

20.27_VO_LoadReqsnk1A_1p8Vt				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	19.292	16.959	2.333
3	A116_Biased	18.664	30.316	-11.652
3	A117_Biased	19.712	31.467	-11.755
3	B36_Biased	18.093	29.518	-11.425
3	B37_Biased	18.530	30.576	-12.046
3	C39_Biased	18.829	30.012	-11.183
3	A118_Unbiased	16.855	18.486	-1.631
3	A140_Unbiased	19.292	30.215	-10.923
3	B38_Unbiased	18.201	28.827	-10.626
3	B39_Unbiased	20.522	31.767	-11.245
3	C40_Unbiased	18.427	29.694	-11.267
10	A119_Biased	19.541	31.220	-11.679
10	A120_Biased	17.841	17.628	0.213
10	B40_Biased	18.679	29.804	-11.125
10	C41_Biased	17.974	28.997	-11.023
10	C42_Biased	19.918	16.923	2.995
10	A121_Unbiased	20.783	32.656	-11.873
10	A124_Unbiased	20.534	29.789	-9.255
10	B41_Unbiased	17.675	16.795	0.880
10	C43_Unbiased	23.346	32.294	-8.948
10	C44_Unbiased	20.836	29.357	-8.521
30	A125_Biased	19.241	31.385	-12.144
30	B42_Biased	19.901	31.711	-11.810
30	B43_Biased	19.272	30.061	-10.789
30	C45_Biased	16.181	15.929	0.252
30	C46_Biased	21.078	31.352	-10.274
30	A127_Unbiased	19.783	31.600	-11.817
30	B45_Unbiased	19.660	31.771	-12.111
30	B47_Unbiased	16.343	15.710	0.633
30	C47_Unbiased	18.888	29.841	-10.953
30	C50_Unbiased	19.853	28.496	-8.643
50	A128_Biased	18.524	29.626	-11.102
50	A129_Biased	17.508	16.468	1.040
50	B48_Biased	19.558	18.643	0.915
50	B49_Biased	18.279	17.218	1.061
50	C51_Biased	20.483	16.701	3.782
50	A130_Unbiased	20.617	32.309	-11.692
50	A131_Unbiased	18.446	29.942	-11.496
50	B50_Unbiased	18.206	28.805	-10.599
50	B51_Unbiased	21.191	30.189	-8.998
50	C53_Unbiased	20.347	27.723	-7.376
0	106_Corr	20.719	29.645	-8.926
100	A132_Biased	18.795	17.467	1.328
100	A134_Biased	20.061	37.042	-16.981
100	A135_Biased	19.634	30.086	-10.452
100	B52_Biased	21.078	30.659	-9.581
100	B54_Biased	20.275	32.157	-11.882
100	B55_Biased	17.335	28.248	-10.913
100	B56_Biased	17.890	16.510	1.380
100	B57_Biased	16.785	15.476	1.309
100	B59_Biased	19.224	31.120	-11.896
100	B62_Biased	18.471	29.295	-10.824
100	B63_Biased	21.106	30.398	-9.292
100	B64_Biased	19.969	16.006	3.963
100	B66_Biased	21.365	29.819	-8.454
100	B68_Biased	21.978	30.269	-8.291
100	C54_Biased	22.771	32.329	-9.558
100	C55_Biased	20.013	30.814	-10.801
100	C56_Biased	19.017	16.011	2.916
100	C57_Biased	19.088	30.768	-11.680
100	C58_Biased	19.656	29.915	-10.259
100	C59_Biased	18.556	28.605	-10.049
100	C65_Biased	19.102	17.352	1.750
100	C67_Biased	18.206	16.191	2.015
100	A122_Unbiased	18.007	16.647	1.360
100	A138_Unbiased	16.927	27.679	-10.752
100	A139_Unbiased	18.506	30.586	-12.080
100	B60_Unbiased	21.609	14.907	6.702
100	B61_Unbiased	21.049	27.760	-6.711
100	B69_Unbiased	21.609	31.296	-9.687
100	B70_Unbiased	21.049	30.009	-8.960
100	B71_Unbiased	18.481	29.675	-11.194
100	B72_Unbiased	17.334	28.436	-11.102
100	B73_Unbiased	20.669	31.311	-10.642
100	B74_Unbiased	21.590	30.883	-9.293
100	B77_Unbiased	19.811	25.894	-6.083
100	B78_Unbiased	20.353	31.544	-10.991
100	B79_Unbiased	21.713	30.910	-9.197
100	B80_Unbiased	19.483	30.692	-11.209
100	C70_Unbiased	23.201	31.377	-8.176
100	C71_Unbiased	20.941	28.506	-7.565
100	C72_Unbiased	21.279	29.902	-8.623
100	C73_Unbiased	22.847	31.354	-8.507
100	C75_Unbiased	18.357	28.336	-9.979
100	C76_Unbiased	17.028	15.140	1.888
100	C79_Unbiased	18.828	16.487	2.341
	Max	23.346	37.042	6.702
	Average	19.520	26.793	-7.273
	Min	16.181	14.907	-16.981
	Std Dev	1.569	6.169	5.597

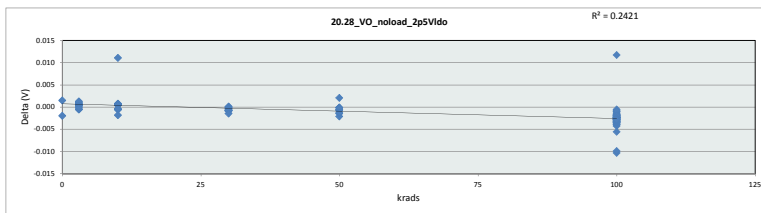


20.27_VO_LoadReqsnk1A_1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	LL	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	16.959	18.486	16.795	15.710	16.468	14.907
Average	23.302	29.088	26.546	27.786	24.762	26.722
Max	29.645	31.767	32.656	31.771	32.309	37.042
UL	200.000	200.000	200.000	200.000	200.000	200.000

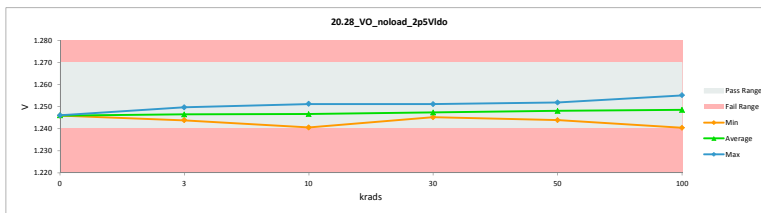


TID 100krad HDR Report
TPS7H3301-SP

20_28_VO_noload_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.27	1.27		
Min Limit	1.24	1.24		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.247	1.246	0.002
3	A116_Biased	1.251	1.250	0.001
3	A117_Biased	1.245	1.244	0.001
3	B36_Biased	1.246	1.246	0.000
3	B37_Biased	1.247	1.247	0.000
3	C39_Biased	1.246	1.245	0.001
3	A118_Unbiased	1.251	1.250	0.001
3	A140_Unbiased	1.247	1.248	0.000
3	B38_Unbiased	1.247	1.247	-0.001
3	B39_Unbiased	1.244	1.244	0.000
3	C40_Unbiased	1.244	1.244	0.000
10	A119_Biased	1.249	1.249	0.001
10	A120_Biased	1.252	1.251	0.001
10	B40_Biased	1.246	1.245	0.000
10	C41_Biased	1.247	1.247	-0.001
10	C42_Biased	1.249	1.251	-0.002
10	A121_Unbiased	1.244	1.244	0.001
10	A124_Unbiased	1.252	1.240	0.011
10	B41_Unbiased	1.252	1.251	0.001
10	C43_Unbiased	1.243	1.243	-0.001
10	C44_Unbiased	1.244	1.244	0.000
30	A125_Biased	1.247	1.247	0.000
30	B42_Biased	1.245	1.246	-0.001
30	B43_Biased	1.247	1.248	-0.001
30	C45_Biased	1.251	1.251	0.000
30	C46_Biased	1.244	1.245	-0.001
30	A127_Unbiased	1.248	1.248	0.000
30	B45_Unbiased	1.245	1.245	0.000
30	B47_Unbiased	1.250	1.250	-0.001
30	C47_Unbiased	1.247	1.247	-0.001
30	C50_Unbiased	1.244	1.246	-0.002
50	A128_Biased	1.249	1.249	-0.001
50	A129_Biased	1.250	1.250	0.000
50	B48_Biased	1.245	1.246	-0.001
50	B49_Biased	1.250	1.252	-0.001
50	C51_Biased	1.249	1.251	-0.002
50	A130_Unbiased	1.244	1.244	0.000
50	A131_Unbiased	1.245	1.246	0.000
50	B50_Unbiased	1.246	1.247	0.000
50	B51_Unbiased	1.252	1.250	0.002
50	C53_Unbiased	1.246	1.247	-0.001
0	106_Corr	1.244	1.246	-0.002
100	A132_Biased	1.247	1.250	-0.003
100	A134_Biased	1.244	1.254	-0.010
100	A135_Biased	1.245	1.247	-0.002
100	B52_Biased	1.252	1.240	0.012
100	B54_Biased	1.246	1.247	-0.002
100	B55_Biased	1.247	1.249	-0.002
100	B56_Biased	1.249	1.251	-0.002
100	B57_Biased	1.250	1.252	-0.002
100	B59_Biased	1.245	1.246	-0.002
100	B62_Biased	1.247	1.249	-0.002
100	B63_Biased	1.245	1.249	-0.003
100	B64_Biased	1.248	1.252	-0.004
100	B66_Biased	1.245	1.249	-0.004
100	B68_Biased	1.244	1.248	-0.004
100	C54_Biased	1.244	1.247	-0.003
100	C55_Biased	1.245	1.247	-0.002
100	C56_Biased	1.249	1.252	-0.003
100	C57_Biased	1.248	1.252	-0.004
100	C58_Biased	1.245	1.248	-0.003
100	C59_Biased	1.248	1.251	-0.002
100	C65_Biased	1.245	1.247	-0.002
100	C67_Biased	1.249	1.252	-0.003
100	A122_Unbiased	1.251	1.253	-0.002
100	A138_Unbiased	1.247	1.249	-0.002
100	A139_Unbiased	1.247	1.248	-0.001
100	B60_Unbiased	1.243	1.253	-0.010
100	B61_Unbiased	1.245	1.250	-0.006
100	B69_Unbiased	1.243	1.247	-0.003
100	B70_Unbiased	1.245	1.248	-0.003
100	B71_Unbiased	1.244	1.245	0.000
100	B72_Unbiased	1.246	1.247	-0.001
100	B73_Unbiased	1.243	1.246	-0.003
100	B74_Unbiased	1.242	1.244	-0.002
100	B77_Unbiased	1.244	1.246	-0.002
100	B78_Unbiased	1.244	1.244	0.000
100	B79_Unbiased	1.244	1.248	-0.003
100	B80_Unbiased	1.245	1.246	-0.001
100	C70_Unbiased	1.241	1.244	-0.003
100	C71_Unbiased	1.245	1.249	-0.002
100	C72_Unbiased	1.244	1.247	-0.003
100	C73_Unbiased	1.243	1.246	-0.003
100	C75_Unbiased	1.246	1.247	-0.002
100	C76_Unbiased	1.253	1.255	-0.003
100	C79_Unbiased	1.250	1.253	-0.003
	Max	1.253	1.255	0.012
	Average	1.247	1.248	-0.001
	Min	1.241	1.240	-0.010
	Std Dev	0.003	0.003	0.003



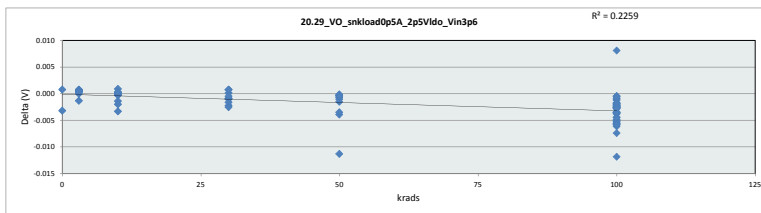
20_28_VO_noload_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.27	V				
Min Limit	1.24	V				
krads	0	3	10	30	50	100
LL	1.240	1.240	1.240	1.240	1.240	1.240
Min	1.246	1.244	1.241	1.245	1.244	1.240
Average	1.246	1.247	1.247	1.247	1.248	1.249
Max	1.246	1.250	1.251	1.251	1.252	1.255
UL	1.270	1.270	1.270	1.270	1.270	1.270



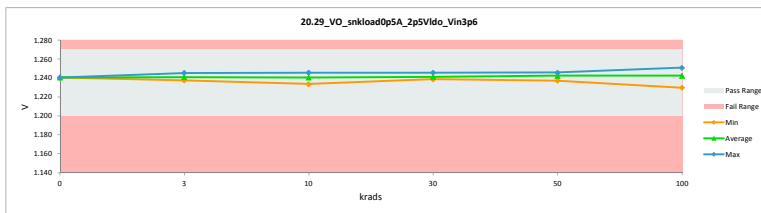
TID 100krad HDR Report
TPS7H3301-SP

20_29_VO_snkloadOp5A_2p5VIdc			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	1.27	1.27	
Min Limit	1.2	1.2	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.241	1.240	0.001
3	A116_Biased	1.244	1.243	0.000
3	A117_Biased	1.239	1.238	0.001
3	B36_Biased	1.241	1.240	0.001
3	B37_Biased	1.242	1.241	0.001
3	C39_Biased	1.241	1.240	0.001
3	A118_Unbiased	1.246	1.245	0.001
3	A140_Unbiased	1.241	1.242	-0.001
3	B38_Unbiased	1.242	1.242	0.000
3	B39_Unbiased	1.238	1.238	0.000
3	C40_Unbiased	1.239	1.239	0.000
10	A119_Biased	1.242	1.242	0.000
10	A120_Biased	1.246	1.245	0.001
10	B40_Biased	1.240	1.240	0.000
10	C41_Biased	1.242	1.242	0.000
10	C42_Biased	1.242	1.246	-0.003
10	A121_Unbiased	1.237	1.237	0.000
10	A124_Unbiased	1.234	1.234	0.000
10	B41_Unbiased	1.246	1.246	0.000
10	C43_Unbiased	1.235	1.236	-0.001
10	C44_Unbiased	1.237	1.239	-0.002
30	A125_Biased	1.241	1.241	0.000
30	B42_Biased	1.239	1.240	-0.001
30	B43_Biased	1.241	1.242	-0.001
30	C45_Biased	1.247	1.246	0.001
30	C46_Biased	1.237	1.239	-0.002
30	A127_Unbiased	1.240	1.241	-0.001
30	B45_Unbiased	1.239	1.239	0.000
30	B47_Unbiased	1.245	1.244	0.001
30	C47_Unbiased	1.240	1.242	-0.002
30	C50_Unbiased	1.238	1.240	-0.002
50	A128_Biased	1.243	1.243	0.000
50	A129_Biased	1.245	1.246	-0.001
50	B48_Biased	1.240	1.240	-0.001
50	B49_Biased	1.244	1.245	-0.002
50	C51_Biased	1.242	1.246	-0.004
50	A130_Unbiased	1.237	1.237	0.000
50	A131_Unbiased	1.240	1.240	0.000
50	B50_Unbiased	1.241	1.242	0.000
50	B51_Unbiased	1.245	1.245	-0.011
50	C53_Unbiased	1.238	1.242	-0.003
0	106_Corr	1.237	1.241	-0.003
100	A132_Biased	1.241	1.243	-0.002
100	A134_Biased	1.238	1.230	0.008
100	A135_Biased	1.239	1.241	-0.002
100	B52_Biased	1.233	1.234	-0.001
100	B54_Biased	1.239	1.240	-0.001
100	B55_Biased	1.242	1.244	-0.002
100	B56_Biased	1.243	1.246	-0.003
100	B57_Biased	1.245	1.247	-0.002
100	B59_Biased	1.239	1.241	-0.002
100	B62_Biased	1.241	1.244	-0.003
100	B63_Biased	1.238	1.243	-0.005
100	B64_Biased	1.241	1.247	-0.006
100	B66_Biased	1.237	1.243	-0.006
100	B68_Biased	1.237	1.242	-0.006
100	C54_Biased	1.236	1.241	-0.005
100	C55_Biased	1.239	1.242	-0.002
100	C56_Biased	1.243	1.246	-0.004
100	C57_Biased	1.242	1.244	-0.003
100	C58_Biased	1.240	1.242	-0.003
100	C59_Biased	1.242	1.245	-0.003
100	C65_Biased	1.239	1.242	-0.003
100	C67_Biased	1.242	1.246	-0.003
100	A122_Unbiased	1.245	1.247	-0.002
100	A138_Unbiased	1.242	1.244	-0.002
100	A139_Unbiased	1.241	1.242	-0.001
100	B60_Unbiased	1.237	1.248	-0.012
100	B61_Unbiased	1.238	1.245	-0.007
100	B69_Unbiased	1.237	1.241	-0.004
100	B70_Unbiased	1.238	1.243	-0.005
100	B71_Unbiased	1.239	1.240	0.000
100	B72_Unbiased	1.241	1.242	0.000
100	B73_Unbiased	1.237	1.240	-0.004
100	B74_Unbiased	1.235	1.239	-0.004
100	B77_Unbiased	1.237	1.241	-0.004
100	B78_Unbiased	1.238	1.240	-0.002
100	B79_Unbiased	1.236	1.242	-0.005
100	B80_Unbiased	1.239	1.240	-0.001
100	C70_Unbiased	1.233	1.238	-0.005
100	C71_Unbiased	1.238	1.243	-0.005
100	C72_Unbiased	1.237	1.242	-0.005
100	C73_Unbiased	1.234	1.240	-0.006
100	C75_Unbiased	1.240	1.242	-0.002
100	C76_Unbiased	1.247	1.251	-0.003
100	C79_Unbiased	1.244	1.247	-0.003
	Max	1.247	1.251	0.008
	Average	1.240	1.242	-0.002
	Min	1.233	1.230	-0.012
	Std Dev	0.003	0.003	0.003

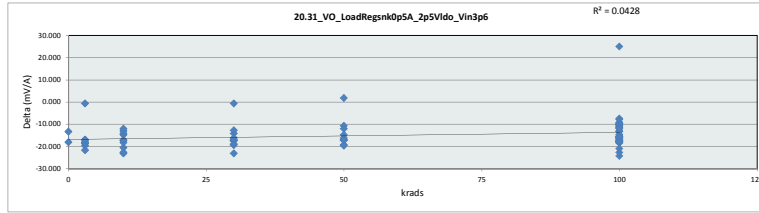


20_29_VO_snkloadOp5A_2p5VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.27	V				
Min Limit	1.2	V				
krads	0	3	10	30	50	100
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.240	1.238	1.234	1.239	1.237	1.230
Average	1.241	1.241	1.241	1.241	1.242	1.242
Max	1.241	1.245	1.246	1.246	1.246	1.251
UL	1.270	1.270	1.270	1.270	1.270	1.270

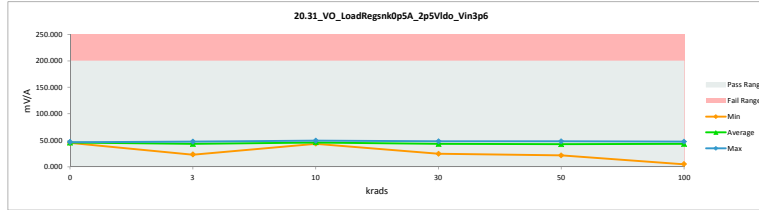


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20_31_VO_LoadReqsKnOp5A_2ps				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	27.244	45.251	-18.007
3	A116_Biased	23.183	44.867	-21.684
3	A117_Biased	29.226	47.712	-18.486
3	B36_Biased	27.183	45.710	-18.527
3	B37_Biased	26.738	46.362	-19.624
3	C39_Biased	27.195	45.896	-18.701
3	A118_Unbiased	22.673	23.234	-0.561
3	A140_Unbiased	27.244	45.988	-18.044
3	B38_Unbiased	27.365	45.674	-18.309
3	B39_Unbiased	29.189	46.313	-17.124
3	C40_Unbiased	28.080	44.993	-16.913
10	A119_Biased	26.434	46.878	-20.444
10	A120_Biased	22.440	45.529	-23.089
10	B40_Biased	27.744	44.860	-17.116
10	C41_Biased	26.279	44.501	-18.222
10	C42_Biased	29.004	43.705	-14.701
10	A121_Unbiased	32.189	49.562	-17.373
10	A124_Unbiased	32.841	47.038	-14.197
10	B41_Unbiased	22.012	44.616	-22.604
10	C43_Unbiased	36.586	49.641	-13.055
10	C44_Unbiased	33.104	45.077	-11.973
30	A125_Biased	27.405	46.816	-19.411
30	B42_Biased	28.654	46.128	-17.474
30	B43_Biased	27.968	45.246	-17.278
30	C45_Biased	20.948	44.001	-23.053
30	C46_Biased	32.546	46.665	-14.119
30	A127_Unbiased	29.015	47.979	-18.964
30	B45_Unbiased	29.039	45.884	-16.845
30	B47_Unbiased	24.019	24.589	-0.570
30	C47_Unbiased	28.223	44.451	-16.228
30	C50_Unbiased	31.382	44.110	-12.728
50	A128_Biased	25.605	44.762	-19.157
50	A129_Biased	23.486	21.661	1.825
50	B48_Biased	28.702	45.929	-17.227
50	B49_Biased	23.311	42.887	-19.576
50	C51_Biased	29.004	43.753	-14.749
50	A130_Unbiased	31.180	48.122	-16.942
50	A131_Unbiased	29.206	45.371	-16.165
50	B50_Unbiased	27.256	44.390	-17.134
50	B51_Unbiased	34.454	45.431	-10.777
50	C53_Biased	32.501	44.439	-11.938
0	106_Corr	33.450	46.699	-13.249
100	A132_Biased	27.341	45.515	-18.174
100	A134_Biased	30.105	5.126	24.979
100	A135_Biased	29.911	45.401	-15.490
100	B52_Biased	34.395	47.505	-13.110
100	B54_Biased	28.997	46.482	-17.485
100	B55_Biased	26.142	43.620	-17.478
100	B56_Biased	24.983	43.323	-18.340
100	B57_Biased	23.255	45.891	-22.636
100	B59_Biased	28.109	44.348	-16.239
100	B62_Biased	27.831	43.113	-15.282
100	B63_Biased	33.123	44.502	-11.379
100	B64_Biased	29.978	43.203	-13.230
100	B66_Biased	33.819	42.902	-9.083
100	B68_Biased	35.197	45.439	-10.242
100	C54_Biased	35.477	45.583	-10.106
100	C55_Biased	30.069	45.843	-15.774
100	C56_Biased	26.562	42.697	-16.135
100	C57_Biased	26.348	43.824	-17.476
100	C58_Biased	29.083	44.666	-15.583
100	C59_Biased	26.210	43.677	-17.467
100	C65_Biased	29.318	45.050	-14.532
100	C67_Biased	25.728	42.562	-16.834
100	A122_Unbiased	23.039	44.019	-20.980
100	A138_Unbiased	26.550	43.871	-17.321
100	A139_Unbiased	26.402	44.698	-18.296
100	B60_Unbiased	34.169	47.383	-13.214
100	B61_Unbiased	32.909	42.417	-9.508
100	B69_Unbiased	34.169	45.079	-10.910
100	B70_Unbiased	32.909	44.209	-11.300
100	B71_Unbiased	28.276	44.664	-16.388
100	B72_Unbiased	25.980	43.737	-17.757
100	B73_Unbiased	32.304	44.252	-11.948
100	B74_Unbiased	34.236	44.370	-10.134
100	B77_Unbiased	33.491	43.869	-10.378
100	B78_Unbiased	30.438	46.210	-15.772
100	B79_Unbiased	34.204	44.120	-9.916
100	B80_Unbiased	29.292	45.497	-16.205
100	C70_Unbiased	37.728	45.162	-7.434
100	C71_Unbiased	43.753	43.608	-9.855
100	C72_Unbiased	33.200	44.993	-11.793
100	C73_Unbiased	37.794	45.667	-7.873
100	C75_Unbiased	29.103	44.771	-15.668
100	C76_Unbiased	20.254	44.512	-24.258
100	C79_Unbiased	23.975	41.805	-17.830
	Max	37.794	49.641	24.979
	Average	29.043	43.837	-14.795
	Min	20.254	5.126	-24.258
	Std Dev	3.960	6.031	6.406



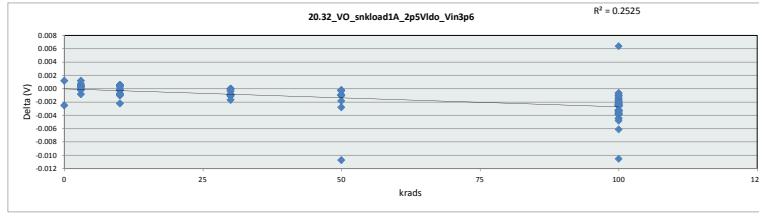
20_31_VO_LoadReqsKnOp5A_2						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	LL	Min	Average	Max	UL	
0	0.000	0.000	0.000	0.000	0.000	0.000
3	45.251	23.234	43.705	24.589	21.661	5.126
10	45.975	43.605	46.141	43.587	42.675	43.591
30	46.699	47.712	49.641	47.979	48.122	47.505
50	200.000	200.000	200.000	200.000	200.000	200.000



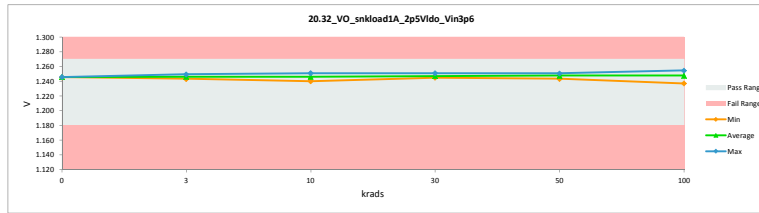
TID 100krad HDR Report
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20_32_VO_snkload1A_2p5VIdo			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	1.27	1.27	
Min Limit	1.18	1.18	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.247	1.246	0.001
3	A116_Biased	1.250	1.249	0.001
3	A117_Biased	1.245	1.244	0.001
3	B36_Biased	1.246	1.245	0.001
3	B37_Biased	1.247	1.247	0.000
3	C39_Biased	1.246	1.245	0.001
3	A118_Unbiased	1.251	1.250	0.001
3	A140_Unbiased	1.247	1.248	-0.001
3	B38_Unbiased	1.247	1.247	0.000
3	B39_Unbiased	1.244	1.243	0.001
3	C40_Unbiased	1.244	1.244	0.000
10	A119_Biased	1.249	1.248	0.001
10	A120_Biased	1.251	1.250	0.001
10	B40_Biased	1.245	1.245	0.000
10	C41_Biased	1.247	1.247	0.000
10	C42_Biased	1.248	1.251	-0.002
10	A121_Unbiased	1.244	1.244	0.000
10	A124_Unbiased	1.240	1.240	-0.001
10	B41_Unbiased	1.251	1.251	0.000
10	C43_Unbiased	1.242	1.243	-0.001
10	C44_Unbiased	1.243	1.244	-0.001
30	A125_Biased	1.247	1.247	0.000
30	B42_Biased	1.245	1.245	-0.001
30	B43_Biased	1.246	1.247	-0.001
30	C45_Biased	1.251	1.251	0.000
30	C46_Biased	1.244	1.245	-0.001
30	A127_Unbiased	1.247	1.247	0.000
30	B45_Unbiased	1.245	1.245	0.000
30	B47_Unbiased	1.249	1.250	-0.001
30	C47_Unbiased	1.246	1.247	-0.001
30	C50_Unbiased	1.244	1.245	-0.002
50	A128_Biased	1.248	1.249	0.000
50	A129_Biased	1.249	1.250	-0.001
50	B48_Biased	1.245	1.246	-0.001
50	B49_Biased	1.250	1.250	-0.001
50	C51_Biased	1.248	1.251	-0.003
50	A130_Unbiased	1.243	1.243	0.000
50	A131_Unbiased	1.245	1.245	-0.001
50	B50_Unbiased	1.246	1.246	0.000
50	B51_Unbiased	1.239	1.250	-0.011
50	C53_Unbiased	1.245	1.247	-0.002
0	106_Corr	1.243	1.246	-0.003
100	A132_Biased	1.247	1.249	-0.003
100	A134_Biased	1.244	1.237	0.006
100	A135_Biased	1.244	1.247	-0.002
100	B52_Biased	1.239	1.240	-0.001
100	B54_Biased	1.245	1.247	-0.001
100	B55_Biased	1.247	1.248	-0.002
100	B56_Biased	1.248	1.251	-0.002
100	B57_Biased	1.249	1.252	-0.003
100	B59_Biased	1.244	1.246	-0.002
100	B62_Biased	1.247	1.249	-0.002
100	B63_Biased	1.245	1.248	-0.004
100	B64_Biased	1.247	1.252	-0.004
100	B66_Biased	1.244	1.249	-0.005
100	B68_Biased	1.243	1.248	-0.005
100	C54_Biased	1.243	1.246	-0.004
100	C55_Biased	1.245	1.247	-0.002
100	C56_Biased	1.248	1.252	-0.003
100	C57_Biased	1.247	1.251	-0.004
100	C58_Biased	1.245	1.248	-0.003
100	C59_Biased	1.248	1.250	-0.003
100	C65_Biased	1.244	1.247	-0.002
100	C67_Biased	1.248	1.251	-0.003
100	A122_Unbiased	1.250	1.252	-0.002
100	A138_Unbiased	1.247	1.248	-0.001
100	A139_Unbiased	1.246	1.247	-0.001
100	B60_Unbiased	1.242	1.253	-0.011
100	B61_Unbiased	1.244	1.250	-0.006
100	B69_Unbiased	1.242	1.246	-0.004
100	B70_Unbiased	1.244	1.248	-0.004
100	B71_Unbiased	1.244	1.245	-0.001
100	B72_Unbiased	1.245	1.247	-0.001
100	B73_Unbiased	1.242	1.245	-0.003
100	B74_Unbiased	1.242	1.244	-0.002
100	B77_Unbiased	1.243	1.246	-0.003
100	B78_Unbiased	1.244	1.246	-0.002
100	B79_Unbiased	1.243	1.247	-0.004
100	B80_Unbiased	1.244	1.245	-0.001
100	C70_Unbiased	1.240	1.243	-0.003
100	C71_Unbiased	1.244	1.248	-0.004
100	C72_Unbiased	1.244	1.247	-0.003
100	C73_Unbiased	1.242	1.246	-0.003
100	C75_Unbiased	1.245	1.247	-0.002
100	C76_Unbiased	1.252	1.255	-0.002
100	C79_Unbiased	1.250	1.252	-0.002
	Max	1.252	1.255	0.006
	Average	1.246	1.247	-0.002
	Min	1.239	1.237	-0.011
	Std Dev	0.003	0.003	0.002

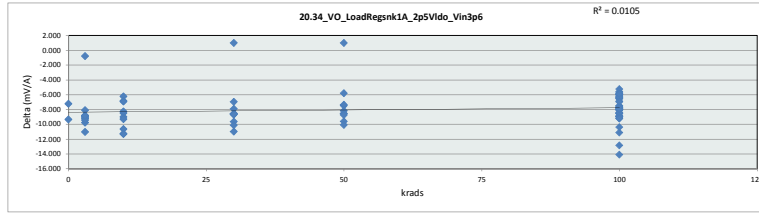


20_32_VO_snkload1A_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.27	V				
Min Limit	1.18	V				
krads	0	3	10	30	50	100
LL	1.180	1.180	1.180	1.180	1.180	1.180
Min	1.246	1.243	1.240	1.245	1.244	1.237
Average	1.246	1.246	1.246	1.247	1.248	1.248
Max	1.246	1.250	1.251	1.251	1.251	1.255
UL	1.270	1.270	1.270	1.270	1.270	1.270

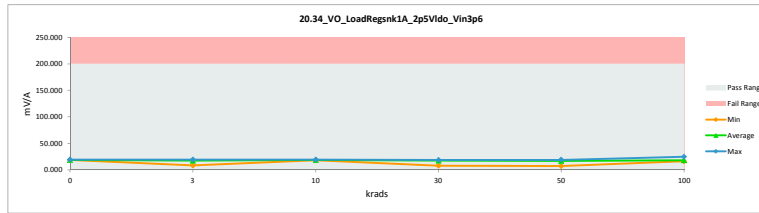


TID 100krad HDR Report
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20_34_VO_LoadReqsnk1A_2p5Vr				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	9.127	18.479	-9.352
3	A116_Biased	6.774	17.814	-11.040
3	A117_Biased	10.274	19.291	-8.917
3	B36_Biased	9.562	18.795	-9.233
3	B37_Biased	9.018	18.782	-9.764
3	C39_Unbiased	9.541	18.602	-9.061
3	A118_Unbiased	7.479	8.278	-0.799
3	A140_Unbiased	9.127	18.571	-9.444
3	B38_Unbiased	9.569	18.389	-8.820
3	B39_Unbiased	9.674	18.484	-8.810
3	C40_Unbiased	9.755	17.842	-8.087
10	A119_Biased	8.076	18.721	-10.645
10	A120_Biased	7.218	18.517	-11.299
10	B40_Biased	9.617	18.120	-8.503
10	C41_Biased	9.213	18.198	-8.985
10	C42_Biased	9.596	17.867	-8.271
10	A121_Unbiased	9.759	19.074	-9.315
10	A124_Unbiased	12.040	18.259	-6.219
10	B41_Unbiased	6.739	18.034	-11.295
10	C43_Unbiased	12.520	19.346	-6.826
10	C44_Unbiased	11.381	18.313	-6.932
30	A125_Biased	9.094	18.748	-9.654
30	B42_Biased	9.892	18.591	-8.699
30	B43_Biased	9.821	18.403	-8.582
30	C45_Biased	6.829	17.819	-10.990
30	C46_Biased	10.410	18.327	-7.917
30	A127_Unbiased	8.740	18.851	-10.111
30	B45_Unbiased	9.769	18.322	-8.553
30	B47_Unbiased	8.635	7.659	0.976
30	C47_Unbiased	9.268	17.932	-8.664
30	C50_Unbiased	10.983	17.947	-6.964
50	A128_Biased	8.536	18.131	-9.595
50	A129_Biased	8.113	7.149	0.964
50	B48_Biased	9.878	18.428	-8.550
50	B49_Biased	7.217	17.305	-10.088
50	C51_Biased	9.503	17.698	-8.195
50	A130_Unbiased	10.463	18.984	-8.521
50	A131_Unbiased	10.723	18.222	-7.499
50	B50_Unbiased	9.604	18.337	-8.733
50	B51_Unbiased	12.597	18.422	-5.825
50	C53_Unbiased	10.655	18.007	-7.352
0	106_Corr	11.958	19.184	-7.226
100	A132_Biased	9.098	17.978	-8.880
100	A134_Biased	10.492	24.605	-14.113
100	A135_Biased	10.753	18.442	-7.689
100	B52_Biased	12.522	19.052	-6.530
100	B54_Biased	9.618	18.111	-8.493
100	B55_Biased	9.236	18.221	-8.985
100	B56_Biased	8.496	17.701	-9.205
100	B57_Biased	7.990	19.114	-11.124
100	B59_Biased	9.790	17.851	-8.061
100	B62_Biased	9.722	17.682	-7.960
100	B63_Biased	11.258	18.143	-6.885
100	B64_Biased	10.394	17.979	-7.585
100	B66_Biased	11.707	17.276	-5.569
100	B68_Biased	11.972	18.165	-6.193
100	C54_Biased	12.116	18.124	-6.008
100	C55_Biased	10.526	18.579	-8.053
100	C56_Biased	8.711	17.224	-8.513
100	C57_Biased	8.448	16.264	-7.816
100	C58_Biased	10.104	17.826	-7.722
100	C59_Biased	8.940	17.853	-8.913
100	C65_Biased	10.302	17.939	-7.637
100	C67_Biased	8.299	16.887	-8.588
100	A122_Unbiased	7.422	17.819	-10.397
100	A138_Unbiased	9.409	18.330	-8.921
100	A139_Unbiased	9.237	18.225	-8.988
100	B60_Unbiased	12.257	19.631	-7.374
100	B61_Unbiased	11.673	17.452	-5.779
100	B69_Unbiased	12.257	18.126	-5.869
100	B70_Unbiased	11.673	18.209	-6.536
100	B71_Unbiased	10.301	18.549	-8.248
100	B72_Unbiased	9.430	17.836	-8.406
100	B73_Unbiased	11.780	18.093	-6.313
100	B74_Unbiased	12.197	18.238	-6.041
100	B77_Unbiased	11.740	17.738	-5.998
100	B78_Unbiased	10.729	18.573	-7.844
100	B79_Unbiased	11.441	17.801	-6.360
100	B80_Unbiased	10.498	18.542	-8.044
100	C70_Unbiased	13.043	18.265	-5.222
100	C71_Unbiased	11.754	18.085	-6.331
100	C72_Unbiased	11.365	18.328	-6.963
100	C73_Unbiased	11.963	17.862	-5.899
100	C75_Unbiased	10.455	18.382	-7.927
100	C76_Unbiased	6.218	19.084	-12.866
100	C79_Unbiased	7.282	16.495	-9.213
	Max	13.043	24.605	0.976
	Average	9.924	17.917	-7.993
	Min	6.218	7.149	-14.113
	Std Dev	1.576	2.152	2.294

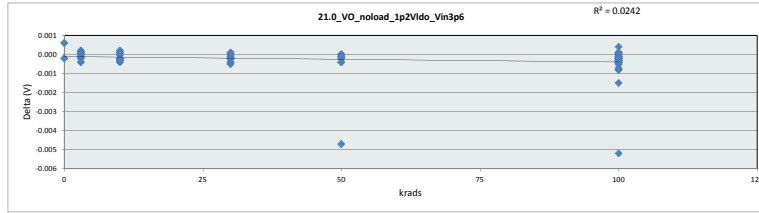


20_34_VO_LoadReqsnk1A_2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	18.479	8.278	17.867	7.659	7.149	16.264
Average	18.832	17.485	18.445	17.260	17.068	18.195
Max	19.184	19.291	19.346	18.851	18.984	24.605
UL	200.000	200.000	200.000	200.000	200.000	200.000

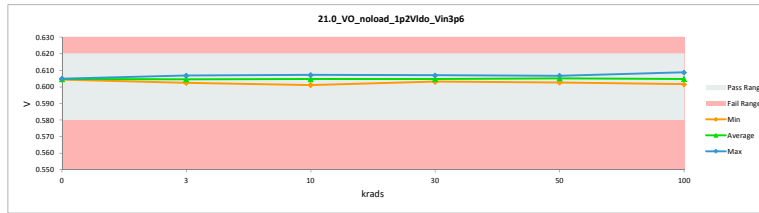


TID 100krad HDR Report
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21_0_VO_noload_1p2VIdo_Vin3p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.58	0.58		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.605	0.604	0.001
3	A116_Biased	0.605	0.605	0.000
3	A117_Biased	0.604	0.604	0.000
3	B36_Biased	0.604	0.604	0.000
3	B37_Biased	0.605	0.605	0.000
3	C39_Biased	0.604	0.604	0.000
3	A118_Unbiased	0.607	0.607	0.000
3	A140_Unbiased	0.605	0.605	0.000
3	B38_Unbiased	0.606	0.606	0.000
3	B39_Unbiased	0.602	0.602	0.000
3	C40_Unbiased	0.604	0.603	0.000
10	A119_Biased	0.605	0.605	0.000
10	A120_Biased	0.607	0.607	0.000
10	B40_Biased	0.604	0.604	0.000
10	C41_Biased	0.605	0.605	0.000
10	C42_Biased	0.607	0.607	0.000
10	A121_Unbiased	0.604	0.604	0.000
10	A124_Unbiased	0.601	0.601	0.000
10	B41_Unbiased	0.607	0.607	0.000
10	C43_Unbiased	0.603	0.603	0.000
10	C44_Unbiased	0.604	0.604	0.000
30	A125_Biased	0.605	0.605	0.000
30	B42_Biased	0.603	0.603	0.000
30	B43_Biased	0.605	0.605	0.000
30	C45_Biased	0.607	0.607	0.000
30	C46_Biased	0.604	0.604	0.000
30	A127_Unbiased	0.605	0.605	0.000
30	B45_Unbiased	0.603	0.603	-0.001
30	B47_Unbiased	0.607	0.607	0.000
30	C47_Unbiased	0.604	0.604	0.000
30	C50_Unbiased	0.604	0.605	0.000
50	A128_Biased	0.606	0.606	0.000
50	A129_Biased	0.607	0.607	0.000
50	B48_Biased	0.603	0.604	0.000
50	B49_Biased	0.605	0.606	0.000
50	C51_Biased	0.607	0.607	0.000
50	A130_Unbiased	0.603	0.603	0.000
50	A131_Unbiased	0.604	0.604	0.000
50	B50_Unbiased	0.605	0.605	0.000
50	B51_Unbiased	0.601	-0.005	0.000
50	C53_Unbiased	0.605	0.605	0.000
0	106_Corr	0.605	0.605	0.000
100	A132_Biased	0.605	0.606	-0.001
100	A134_Biased	0.602	0.604	-0.002
100	A135_Biased	0.604	0.604	0.000
100	B52_Biased	0.601	0.602	0.000
100	B54_Biased	0.604	0.604	0.000
100	B55_Biased	0.604	0.605	-0.001
100	B56_Biased	0.606	0.607	-0.001
100	B57_Biased	0.607	0.607	0.000
100	B59_Biased	0.602	0.603	-0.001
100	B62_Biased	0.605	0.606	0.000
100	B63_Biased	0.605	0.605	0.000
100	B64_Biased	0.607	0.607	0.000
100	B66_Biased	0.605	0.605	0.000
100	B68_Biased	0.605	0.605	0.000
100	C54_Biased	0.604	0.603	0.000
100	C55_Biased	0.604	0.604	0.000
100	C56_Biased	0.606	0.606	0.000
100	C57_Biased	0.605	0.605	0.000
100	C58_Biased	0.604	0.604	0.000
100	C59_Biased	0.606	0.606	0.000
100	C65_Biased	0.604	0.604	0.000
100	C67_Biased	0.606	0.606	0.000
100	A122_Unbiased	0.606	0.606	0.000
100	A138_Unbiased	0.605	0.606	0.000
100	A139_Unbiased	0.604	0.604	0.000
100	B60_Unbiased	0.604	0.604	-0.005
100	B61_Unbiased	0.605	0.606	-0.001
100	B69_Unbiased	0.604	0.604	0.000
100	B70_Unbiased	0.605	0.605	0.000
100	B71_Unbiased	0.603	0.603	0.000
100	B72_Unbiased	0.604	0.605	0.000
100	B73_Unbiased	0.603	0.603	0.000
100	B74_Unbiased	0.602	0.602	0.000
100	B77_Unbiased	0.604	0.604	0.000
100	B78_Unbiased	0.604	0.604	0.000
100	B79_Unbiased	0.604	0.604	0.000
100	B80_Unbiased	0.604	0.604	0.000
100	C70_Unbiased	0.602	0.602	0.000
100	C71_Unbiased	0.605	0.605	0.000
100	C72_Unbiased	0.605	0.605	0.000
100	C73_Unbiased	0.603	0.604	0.000
100	C75_Unbiased	0.605	0.605	0.000
100	C76_Unbiased	0.608	0.608	0.000
100	C79_Unbiased	0.606	0.606	0.000
	Max	0.608	0.609	0.001
	Average	0.605	0.605	0.000
	Min	0.601	0.601	-0.005
	Std Dev	0.001	0.001	0.001

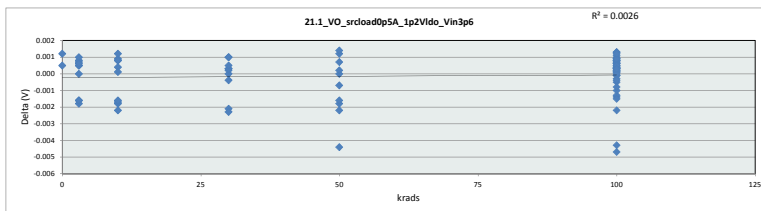


21_0_VO_noload_1p2VIdo_Vin3p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.62	V				
Min Limit	0.58	V				
krads	0	3	10	30	50	100
LL	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.604	0.602	0.601	0.603	0.603	0.602
Average	0.605	0.605	0.605	0.605	0.605	0.605
Max	0.605	0.607	0.607	0.607	0.607	0.609
UL	0.620	0.620	0.620	0.620	0.620	0.620

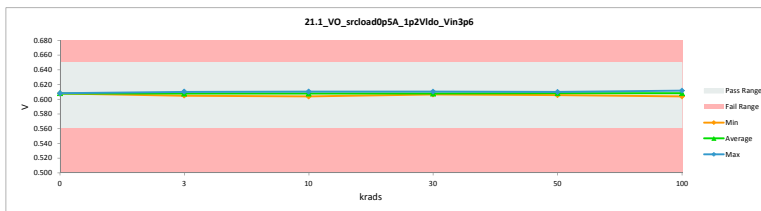


TID 100krad HDR Report
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21.1_VO_srloadOp5A_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.65	0.65		
Min Limit	0.56	0.56		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.609	0.608	-0.001
3	A116_Biased	0.606	0.608	-0.002
3	A117_Biased	0.605	0.607	-0.002
3	B36_Biased	0.608	0.608	0.000
3	B37_Biased	0.609	0.608	0.001
3	C39_Biased	0.608	0.607	0.001
3	A118_Unbiased	0.609	0.610	-0.002
3	A140_Unbiased	0.609	0.608	0.001
3	B38_Unbiased	0.609	0.609	0.001
3	B39_Unbiased	0.606	0.605	0.001
3	C40_Unbiased	0.607	0.606	0.001
10	A119_Biased	0.606	0.608	-0.002
10	A120_Biased	0.608	0.610	-0.002
10	B40_Biased	0.608	0.607	0.000
10	C41_Biased	0.609	0.608	0.001
10	C42_Biased	0.611	0.610	0.001
10	A121_Unbiased	0.604	0.607	-0.002
10	A124_Unbiased	0.602	0.604	-0.002
10	B41_Unbiased	0.610	0.610	0.000
10	C43_Unbiased	0.607	0.606	0.001
10	C44_Unbiased	0.608	0.607	0.001
30	A125_Biased	0.605	0.607	-0.002
30	B42_Biased	0.607	0.607	0.000
30	B43_Biased	0.608	0.608	0.000
30	C45_Biased	0.610	0.610	0.000
30	C46_Biased	0.607	0.606	0.001
30	A127_Unbiased	0.605	0.608	-0.002
30	B45_Unbiased	0.607	0.607	0.000
30	B47_Unbiased	0.611	0.610	0.000
30	C47_Unbiased	0.608	0.608	0.001
30	C50_Unbiased	0.609	0.608	0.001
50	A128_Biased	0.607	0.609	-0.002
50	A129_Biased	0.608	0.610	-0.002
50	B48_Biased	0.608	0.607	0.001
50	B49_Biased	0.609	0.609	0.000
50	C51_Biased	0.611	0.609	0.001
50	A130_Unbiased	0.603	0.606	-0.002
50	A131_Unbiased	0.606	0.607	-0.001
50	B50_Unbiased	0.608	0.608	0.000
50	B51_Unbiased	0.604	0.609	-0.004
50	C53_Unbiased	0.610	0.608	0.001
0	106_Corr	0.609	0.608	0.001
100	A132_Biased	0.607	0.609	-0.002
100	A134_Biased	0.604	0.609	-0.005
100	A135_Biased	0.606	0.607	-0.001
100	B52_Biased	0.605	0.604	0.001
100	B54_Biased	0.607	0.607	0.000
100	B55_Biased	0.608	0.609	0.000
100	B56_Biased	0.609	0.610	-0.001
100	B57_Biased	0.610	0.610	0.000
100	B59_Biased	0.607	0.606	0.000
100	B62_Biased	0.609	0.609	0.000
100	B63_Biased	0.609	0.608	0.001
100	B64_Biased	0.611	0.610	0.001
100	B66_Biased	0.608	0.608	0.001
100	B68_Biased	0.608	0.608	0.000
100	C54_Biased	0.608	0.606	0.001
100	C55_Biased	0.608	0.607	0.000
100	C56_Biased	0.610	0.610	0.000
100	C57_Biased	0.608	0.608	0.001
100	C58_Biased	0.608	0.608	0.000
100	C59_Biased	0.609	0.609	0.000
100	C65_Biased	0.608	0.608	0.000
100	C67_Biased	0.609	0.609	0.000
100	A122_Unbiased	0.608	0.609	-0.001
100	A138_Unbiased	0.608	0.609	-0.001
100	A139_Unbiased	0.606	0.607	-0.002
100	B60_Unbiased	0.607	0.612	-0.004
100	B61_Unbiased	0.609	0.609	-0.001
100	B69_Unbiased	0.607	0.607	0.001
100	B70_Unbiased	0.609	0.608	0.001
100	B71_Unbiased	0.607	0.607	0.000
100	B72_Unbiased	0.608	0.608	0.000
100	B73_Unbiased	0.607	0.606	0.001
100	B74_Unbiased	0.606	0.605	0.001
100	B77_Unbiased	0.609	0.608	0.001
100	B78_Unbiased	0.608	0.607	0.000
100	B79_Unbiased	0.607	0.607	0.001
100	B80_Unbiased	0.607	0.607	0.000
100	C70_Unbiased	0.607	0.605	0.001
100	C71_Unbiased	0.609	0.609	0.001
100	C72_Unbiased	0.609	0.608	0.001
100	C73_Unbiased	0.608	0.606	0.001
100	C75_Unbiased	0.608	0.609	0.000
100	C76_Unbiased	0.611	0.611	0.000
100	C78_Unbiased	0.610	0.610	0.000
	Max	0.611	0.612	0.001
	Average	0.608	0.608	0.000
	Min	0.602	0.604	-0.005
	Std Dev	0.002	0.002	0.001

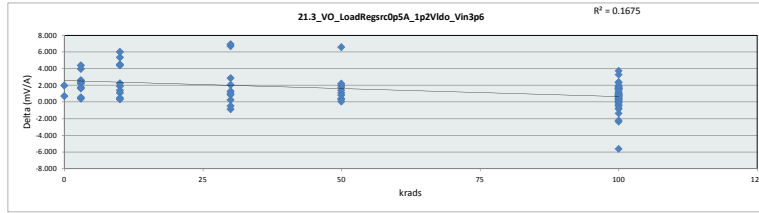


21.1_VO_srloadOp5A_1p2VIdo_Vin3p6						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.65	V				
Min Limit	0.56	V				
krads	0	3	10	30	50	100
LL	0.560	0.560	0.560	0.560	0.560	0.560
Min	0.608	0.605	0.604	0.606	0.606	0.604
Average	0.608	0.608	0.608	0.608	0.608	0.608
Max	0.608	0.610	0.610	0.610	0.610	0.612
UL	0.650	0.650	0.650	0.650	0.650	0.650

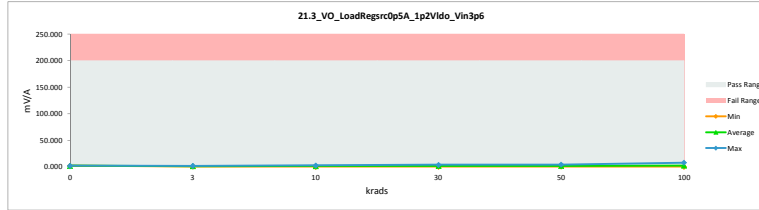


TID 100krad HDR Report
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21_3_VO_LoadRegrOp5A_1p2V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.804	1.819	1.985
3	A116_Biased	5.094	1.108	3.986
3	A117_Biased	4.905	0.583	4.402
3	B36_Biased	2.160	1.735	0.425
3	B37_Biased	2.782	1.037	1.745
3	C39_Biased	3.063	0.829	2.234
3	A118_Unbiased	3.326	1.688	1.638
3	A140_Unbiased	3.804	1.213	2.591
3	B38_Unbiased	2.820	0.220	2.600
3	B39_Unbiased	1.934	1.359	0.575
3	C40_Unbiased	3.333	0.988	2.345
10	A119_Biased	6.359	0.328	6.031
10	A120_Biased	4.910	0.377	4.533
10	B40_Biased	2.792	0.895	1.897
10	C41_Biased	3.755	1.516	2.239
10	C42_Biased	3.922	2.501	1.421
10	A121_Unbiased	5.681	1.257	4.424
10	A124_Unbiased	5.440	0.083	5.357
10	B41_Unbiased	3.344	2.243	1.101
10	C43_Unbiased	1.111	0.636	0.475
10	C44_Unbiased	2.419	2.097	0.322
30	A125_Biased	7.198	0.178	6.720
30	B42_Biased	0.298	0.053	0.245
30	B43_Biased	0.111	0.972	-0.861
30	C45_Biased	3.256	3.731	-0.475
30	C46_Biased	3.174	0.314	2.860
30	A127_Unbiased	7.837	0.892	6.945
30	B45_Unbiased	2.290	1.000	1.290
30	B47_Unbiased	4.534	3.655	0.879
30	C47_Unbiased	3.600	2.563	1.037
30	C50_Unbiased	4.687	2.887	2.070
50	A128_Biased	3.840	2.061	1.779
50	A129_Biased	2.598	2.255	0.343
50	B48_Biased	1.778	0.672	1.106
50	B49_Biased	2.468	2.039	0.429
50	C51_Biased	3.745	1.706	2.039
50	A130_Unbiased	7.638	1.038	6.600
50	A131_Unbiased	2.113	0.711	1.402
50	B50_Unbiased	2.096	2.031	0.065
50	B51_Unbiased	1.057	0.229	0.828
50	C53_Unbiased	6.036	3.833	2.203
0	106_Corr	2.692	1.958	0.734
100	A132_Biased	2.982	2.990	-0.008
100	A134_Biased	6.222	7.568	-1.346
100	A135_Biased	3.821	0.061	3.760
100	B52_Biased	2.351	0.538	1.813
100	B54_Biased	0.862	0.041	0.821
100	B55_Biased	2.721	1.861	0.860
100	B56_Biased	3.277	3.762	-0.485
100	B57_Biased	4.510	4.562	-0.243
100	B59_Biased	2.602	0.977	1.625
100	B62_Biased	3.375	2.905	0.470
100	B63_Biased	2.185	0.647	1.538
100	B64_Biased	3.711	2.519	0.852
100	B66_Biased	2.000	2.774	-0.774
100	B68_Biased	1.746	1.123	0.623
100	C54_Biased	0.371	0.377	-0.006
100	C55_Biased	1.805	0.291	1.514
100	C56_Biased	4.953	4.191	0.762
100	C57_Biased	2.550	0.160	2.390
100	C58_Biased	2.287	1.847	0.440
100	C59_Biased	2.947	3.338	-0.391
100	C65_Biased	4.172	3.509	0.663
100	C67_Biased	4.676	4.515	0.161
100	A122_Unbiased	2.932	1.174	1.758
100	A138_Unbiased	0.339	2.689	-2.350
100	A139_Unbiased	4.171	0.882	3.289
100	B60_Unbiased	0.717	4.323	-5.606
100	B61_Unbiased	2.764	4.966	-2.202
100	B69_Unbiased	0.717	0.426	0.291
100	B70_Unbiased	2.764	2.025	0.739
100	B71_Unbiased	3.254	2.149	1.105
100	B72_Unbiased	4.596	3.346	1.250
100	B73_Unbiased	2.796	2.484	0.312
100	B74_Unbiased	0.206	0.110	0.096
100	B77_Unbiased	4.749	3.097	1.652
100	B78_Unbiased	1.705	0.014	1.691
100	B79_Unbiased	1.187	0.147	1.040
100	B80_Unbiased	1.583	0.549	1.034
100	C70_Unbiased	2.415	0.909	1.506
100	C71_Unbiased	3.624	3.188	0.436
100	C72_Unbiased	3.152	1.253	1.899
100	C73_Unbiased	2.308	0.337	1.971
100	C75_Unbiased	2.551	3.382	-0.831
100	C76_Unbiased	5.736	3.406	2.330
100	C79_Unbiased	4.833	4.123	0.710
	Max	7.837	7.568	6.945
	Average	3.192	1.824	1.369
	Min	0.111	0.014	-5.606
	Std Dev	1.662	1.513	1.932

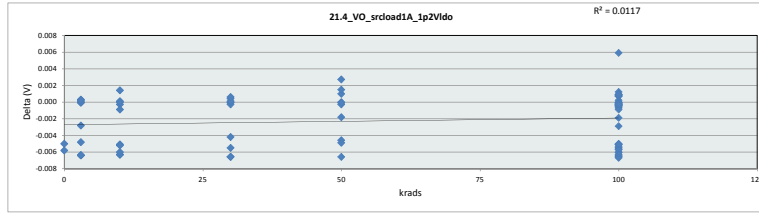


21_3_VO_LoadRegrOp5A_1p2V					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	200	mV/A			
Min Limit	0	mV/A			
krads	0	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	1.889	0.220	0.083	0.053	0.014
Average	1.889	1.076	1.193	1.625	2.217
Max	1.958	1.735	2.501	3.731	7.568
UL	200.000	200.000	200.000	200.000	200.000

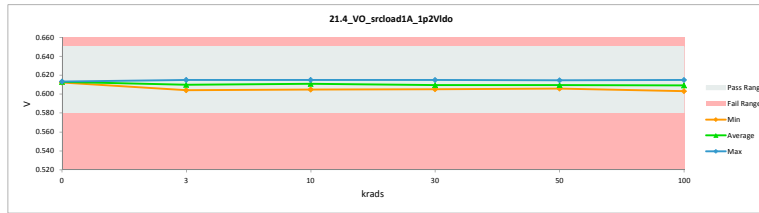


TID 100krad HDR Report
TPS7H3301-SP

21.4_VO_srcload1A_1p2Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.65	0.65		
Min Limit	0.58	0.58		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.607	0.612	-0.005
3	A116_Biased	0.607	0.607	0.000
3	A117_Biased	0.606	0.606	0.000
3	B36_Biased	0.606	0.613	-0.006
3	B37_Biased	0.607	0.613	-0.006
3	C39_Biased	0.606	0.606	0.000
3	A118_Unbiased	0.615	0.615	0.000
3	A140_Unbiased	0.607	0.610	-0.003
3	B38_Unbiased	0.609	0.614	-0.005
3	B39_Unbiased	0.604	0.604	0.000
3	C40_Unbiased	0.605	0.611	-0.006
10	A119_Biased	0.607	0.607	0.000
10	A120_Biased	0.608	0.615	-0.006
10	B40_Biased	0.612	0.612	0.000
10	C41_Biased	0.607	0.614	-0.006
10	C42_Biased	0.610	0.615	-0.005
10	A121_Unbiased	0.605	0.605	0.000
10	A124_Unbiased	0.603	0.609	-0.006
10	B41_Unbiased	0.614	0.615	-0.001
10	C43_Unbiased	0.606	0.605	0.001
10	C44_Unbiased	0.607	0.612	-0.005
30	A125_Biased	0.606	0.613	-0.007
30	B42_Biased	0.605	0.605	0.000
30	B43_Biased	0.607	0.613	-0.007
30	C45_Biased	0.609	0.609	0.000
30	C46_Biased	0.606	0.605	0.000
30	A127_Unbiased	0.607	0.611	-0.004
30	B45_Unbiased	0.605	0.605	0.000
30	B47_Unbiased	0.615	0.615	0.000
30	C47_Unbiased	0.607	0.606	0.001
30	C50_Unbiased	0.607	0.613	-0.006
50	A128_Biased	0.608	0.612	-0.005
50	A129_Biased	0.613	0.615	-0.002
50	B48_Biased	0.606	0.606	0.000
50	B49_Biased	0.607	0.608	0.000
50	C51_Biased	0.609	0.609	0.000
50	A130_Unbiased	0.604	0.611	-0.007
50	A131_Unbiased	0.612	0.612	0.000
50	B50_Unbiased	0.611	0.609	0.003
50	B51_Unbiased	0.603	0.608	-0.005
50	C53_Unbiased	0.608	0.607	0.002
0	106_Corr	0.608	0.613	-0.006
100	A132_Biased	0.607	0.608	-0.001
100	A134_Biased	0.604	0.609	-0.005
100	A135_Biased	0.606	0.613	-0.007
100	B52_Biased	0.603	0.603	0.000
100	B54_Biased	0.610	0.613	-0.003
100	B55_Biased	0.607	0.613	-0.006
100	B56_Biased	0.608	0.609	0.000
100	B57_Biased	0.609	0.609	0.000
100	B59_Biased	0.605	0.605	0.000
100	B62_Biased	0.608	0.614	-0.006
100	B63_Biased	0.608	0.607	0.001
100	B64_Biased	0.609	0.614	-0.005
100	B66_Biased	0.608	0.613	-0.005
100	B68_Biased	0.607	0.613	-0.006
100	C54_Biased	0.607	0.606	0.001
100	C55_Biased	0.606	0.606	0.000
100	C56_Biased	0.609	0.615	-0.006
100	C57_Biased	0.607	0.607	0.000
100	C58_Biased	0.606	0.607	0.000
100	C59_Biased	0.608	0.608	0.000
100	C65_Biased	0.606	0.613	-0.007
100	C67_Biased	0.608	0.608	0.000
100	A122_Unbiased	0.608	0.613	-0.006
100	A138_Unbiased	0.613	0.608	0.006
100	A139_Unbiased	0.606	0.606	0.000
100	B60_Unbiased	0.606	0.612	-0.005
100	B61_Unbiased	0.607	0.608	0.000
100	B69_Unbiased	0.606	0.605	0.001
100	B70_Unbiased	0.607	0.613	-0.006
100	B71_Unbiased	0.611	0.612	-0.001
100	B72_Unbiased	0.612	0.613	-0.001
100	B73_Unbiased	0.605	0.605	0.001
100	B74_Unbiased	0.605	0.604	0.001
100	B77_Unbiased	0.607	0.612	-0.005
100	B78_Unbiased	0.606	0.606	0.000
100	B79_Unbiased	0.606	0.605	0.001
100	B80_Unbiased	0.606	0.612	-0.006
100	C70_Unbiased	0.605	0.611	-0.005
100	C71_Unbiased	0.608	0.610	-0.002
100	C72_Unbiased	0.607	0.607	0.001
100	C73_Unbiased	0.607	0.606	0.001
100	C75_Unbiased	0.607	0.613	-0.007
100	C76_Unbiased	0.609	0.610	0.000
100	C79_Unbiased	0.608	0.609	0.000
	Max	0.615	0.615	0.006
	Average	0.607	0.610	-0.002
	Min	0.603	0.603	-0.007
	Std Dev	0.002	0.003	0.003

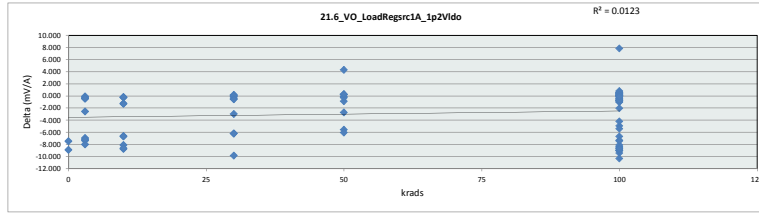


21.4_VO_srcload1A_1p2Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.65	V				
Min Limit	0.58	V				
krads	0	3	10	30	50	100
LL	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.612	0.604	0.605	0.605	0.606	0.603
Average	0.613	0.610	0.611	0.609	0.610	0.609
Max	0.613	0.615	0.615	0.615	0.615	0.615
UL	0.650	0.650	0.650	0.650	0.650	0.650

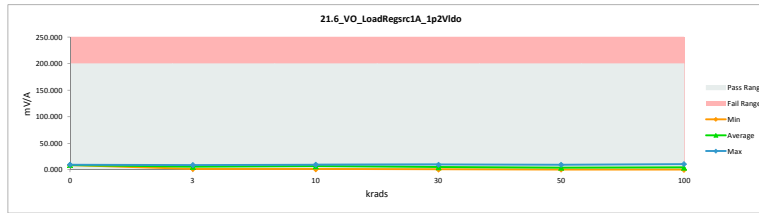


TID 100krad HDR Report
TPS7H3301-SP

21.6_VO_LoadRegrsr1A_1p2VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.014	8.493	-7.479
3	A116_Biased	1.058	1.492	-0.434
3	A117_Biased	1.899	2.296	-0.397
3	B36_Biased	1.508	8.875	-7.367
3	B37_Biased	1.738	8.674	-6.936
3	C39_Biased	1.847	2.172	-0.325
3	A118_Unbiased	8.905	8.953	-0.048
3	A140_Unbiased	1.014	3.578	-2.564
3	B38_Unbiased	0.885	8.882	-7.997
3	B39_Unbiased	1.839	2.248	-0.409
3	C40_Unbiased	1.692	8.832	-7.140
10	A119_Biased	1.922	2.164	-0.242
10	A120_Biased	1.826	8.443	-6.617
10	B40_Biased	8.442	8.647	-0.205
10	C41_Biased	1.241	9.345	-8.104
10	C42_Biased	0.213	8.968	-8.755
10	A121_Unbiased	1.071	1.222	-0.151
10	A124_Unbiased	1.658	8.347	-6.689
10	B41_Unbiased	7.859	9.110	-1.251
10	C43_Unbiased	0.991	2.270	-1.279
10	C44_Unbiased	0.528	9.154	-8.626
30	A125_Biased	2.251	9.841	-7.590
30	B42_Biased	2.187	2.194	-0.007
30	B43_Biased	2.317	8.498	-6.181
30	C45_Biased	0.956	0.765	0.191
30	C46_Biased	0.738	1.206	-0.468
30	A127_Unbiased	1.876	8.823	-6.947
30	B45_Unbiased	1.711	1.906	-0.195
30	B47_Unbiased	9.468	9.403	0.065
30	C47_Unbiased	0.918	1.478	-0.560
30	C50_Unbiased	0.013	9.841	-9.828
50	A128_Biased	1.052	6.627	-5.575
50	A129_Biased	6.555	9.267	-2.712
50	B48_Biased	1.807	1.892	-0.085
50	B49_Biased	1.977	0.934	0.263
50	C51_Biased	0.024	0.848	-0.848
50	A130_Unbiased	2.320	8.359	-6.039
50	A131_Unbiased	8.707	9.002	-0.295
50	B50_Unbiased	6.081	1.744	4.337
50	B51_Unbiased	1.848	1.648	0.236
50	C53_Unbiased	0.746	0.418	0.328
0	106_Corr	0.584	9.489	-8.905
100	A132_Biased	0.493	0.139	0.354
100	A134_Biased	2.624	4.670	-2.046
100	A135_Biased	1.546	8.828	-7.282
100	B52_Biased	1.816	1.593	0.223
100	B54_Biased	5.061	9.974	-4.913
100	B55_Biased	0.451	8.889	-8.438
100	B56_Biased	0.666	0.500	0.166
100	B57_Biased	0.621	0.085	0.536
100	B59_Biased	1.682	1.607	0.075
100	B62_Biased	0.074	9.145	-9.071
100	B63_Biased	1.027	1.774	-0.747
100	B64_Biased	0.368	9.090	-8.722
100	B66_Biased	0.454	9.869	-9.415
100	B68_Biased	0.960	9.354	-8.394
100	C54_Biased	0.974	1.418	-0.444
100	C55_Biased	2.977	2.980	0.017
100	C56_Biased	0.240	10.565	-10.325
100	C57_Biased	1.610	1.562	0.048
100	C58_Biased	1.693	1.081	0.612
100	C59_Biased	0.867	0.448	0.419
100	C65_Biased	0.939	9.939	-8.980
100	C67_Biased	0.558	0.109	0.449
100	A122_Unbiased	1.906	7.319	-5.413
100	A138_Unbiased	8.897	1.056	7.841
100	A139_Unbiased	1.830	0.973	0.857
100	B60_Unbiased	1.647	2.691	-1.044
100	B61_Unbiased	0.853	0.214	0.639
100	B69_Unbiased	1.647	1.696	-0.049
100	B70_Unbiased	0.853	8.957	-8.104
100	B71_Unbiased	7.860	8.675	-0.815
100	B72_Unbiased	8.883	9.854	-0.971
100	B73_Unbiased	1.169	1.321	-0.152
100	B74_Unbiased	1.984	2.348	-0.364
100	B77_Unbiased	0.331	9.285	-8.954
100	B78_Unbiased	1.860	1.719	0.141
100	B79_Unbiased	1.073	1.759	-0.686
100	B80_Unbiased	2.011	8.680	-6.669
100	C70_Unbiased	0.678	9.371	-8.693
100	C71_Unbiased	0.032	4.243	-4.211
100	C72_Unbiased	0.331	0.984	-0.653
100	C73_Unbiased	0.466	1.094	-0.628
100	C75_Unbiased	1.684	9.104	-7.420
100	C76_Unbiased	0.216	0.021	0.195
100	C79_Unbiased	0.250	0.250	0.000
	Max	9.468	10.565	7.841
	Average	2.044	4.946	-2.902
	Min	0.004	0.021	-10.325
	Std Dev	2.384	3.819	3.934

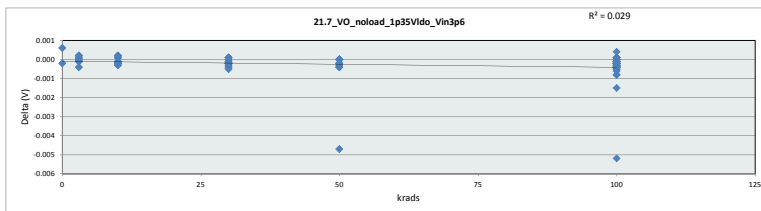


21.6_VO_LoadRegrsr1A_1p2VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.493	1.492	1.222	0.765	0.418	0.021
Average	8.991	5.600	6.767	4.855	4.074	4.419
Max	9.489	8.953	9.345	9.841	9.267	10.565
UL	200.000	200.000	200.000	200.000	200.000	200.000

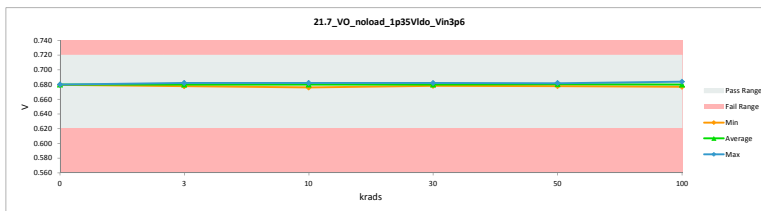


TID 100krad HDR Report
TPS7H3301-SP

21.7_VO_noload_1p35VIdo_Vin3				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.72	0.72		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.680	0.679	0.001
3	A116_Biased	0.680	0.680	0.000
3	A117_Biased	0.679	0.679	0.000
3	B36_Biased	0.680	0.679	0.000
3	B37_Biased	0.680	0.680	0.000
3	C39_Biased	0.679	0.679	0.000
3	A118_Unbiased	0.682	0.682	0.000
3	A140_Unbiased	0.680	0.680	0.000
3	B38_Unbiased	0.681	0.681	0.000
3	B39_Unbiased	0.677	0.678	0.000
3	C40_Unbiased	0.679	0.678	0.000
10	A119_Biased	0.680	0.680	0.000
10	A120_Biased	0.682	0.682	0.000
10	B40_Biased	0.679	0.679	0.000
10	C41_Biased	0.680	0.680	0.000
10	C42_Biased	0.682	0.682	0.000
10	A121_Unbiased	0.678	0.679	0.000
10	A124_Unbiased	0.676	0.676	0.000
10	B41_Unbiased	0.682	0.682	0.000
10	C43_Unbiased	0.678	0.678	0.000
10	C44_Unbiased	0.679	0.679	0.000
30	A125_Biased	0.680	0.680	0.000
30	B42_Biased	0.678	0.678	0.000
30	B43_Biased	0.680	0.680	0.000
30	C45_Biased	0.682	0.682	0.000
30	C46_Biased	0.679	0.679	0.000
30	A127_Unbiased	0.680	0.680	0.000
30	B45_Unbiased	0.678	0.678	-0.001
30	B47_Unbiased	0.682	0.682	0.000
30	C47_Unbiased	0.679	0.679	0.000
30	C50_Unbiased	0.679	0.680	0.000
50	A128_Biased	0.681	0.681	0.000
50	A129_Biased	0.682	0.682	0.000
50	B48_Biased	0.678	0.679	0.000
50	B49_Biased	0.680	0.681	0.000
50	C51_Biased	0.682	0.682	0.000
50	A130_Unbiased	0.678	0.678	0.000
50	A131_Unbiased	0.679	0.679	0.000
50	B50_Unbiased	0.680	0.680	0.000
50	B51_Unbiased	0.677	-0.005	-0.001
50	C53_Biased	0.680	0.680	0.000
0	106_Corr	0.680	0.680	0.000
100	A132_Biased	0.680	0.681	-0.001
100	A134_Biased	0.677	0.679	-0.002
100	A135_Biased	0.679	0.680	0.000
100	B52_Biased	0.677	0.677	0.000
100	B54_Biased	0.679	0.679	0.000
100	B55_Biased	0.680	0.680	-0.001
100	B56_Biased	0.681	0.682	-0.001
100	B57_Biased	0.682	0.682	0.000
100	B59_Biased	0.677	0.678	-0.001
100	B62_Biased	0.680	0.681	0.000
100	B63_Biased	0.680	0.680	0.000
100	B64_Biased	0.682	0.682	0.000
100	B66_Biased	0.680	0.680	0.000
100	B68_Biased	0.680	0.680	0.000
100	C54_Biased	0.679	0.678	0.000
100	C55_Biased	0.679	0.679	0.000
100	C56_Biased	0.681	0.681	0.000
100	C57_Biased	0.680	0.680	0.000
100	C58_Biased	0.679	0.679	0.000
100	C59_Biased	0.681	0.681	0.000
100	C65_Biased	0.679	0.679	0.000
100	C67_Biased	0.681	0.681	0.000
100	A122_Unbiased	0.681	0.682	0.000
100	A138_Unbiased	0.680	0.681	0.000
100	A139_Unbiased	0.679	0.680	0.000
100	B60_Unbiased	0.678	0.684	-0.005
100	B61_Unbiased	0.680	0.681	-0.001
100	B69_Unbiased	0.678	0.679	0.000
100	B70_Unbiased	0.680	0.680	0.000
100	B71_Unbiased	0.678	0.678	0.000
100	B72_Unbiased	0.680	0.680	0.000
100	B73_Unbiased	0.678	0.678	0.000
100	B74_Unbiased	0.677	0.677	0.000
100	B77_Unbiased	0.679	0.679	0.000
100	B78_Unbiased	0.679	0.679	0.000
100	B79_Unbiased	0.679	0.679	0.000
100	B80_Unbiased	0.679	0.679	0.000
100	C70_Unbiased	0.677	0.677	0.000
100	C71_Unbiased	0.680	0.680	0.000
100	C72_Unbiased	0.680	0.680	0.000
100	C73_Unbiased	0.678	0.679	0.000
100	C75_Unbiased	0.680	0.680	0.000
100	C76_Unbiased	0.683	0.683	0.000
100	C79_Unbiased	0.681	0.681	0.000
	Max	0.683	0.684	0.001
	Average	0.680	0.680	0.000
	Min	0.676	0.676	-0.005
	Std Dev	0.001	0.001	0.001

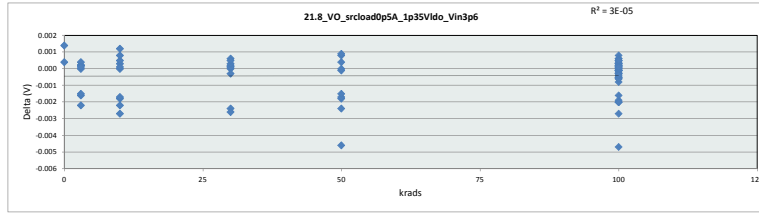


21.7_VO_noload_1p35VIdo_Vin3						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.72	V				
Min Limit	0.62	V				
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.680	0.678	0.676	0.678	0.678	0.677
Average	0.680	0.680	0.680	0.680	0.680	0.680
Max	0.680	0.682	0.682	0.682	0.682	0.684
UL	0.720	0.720	0.720	0.720	0.720	0.720

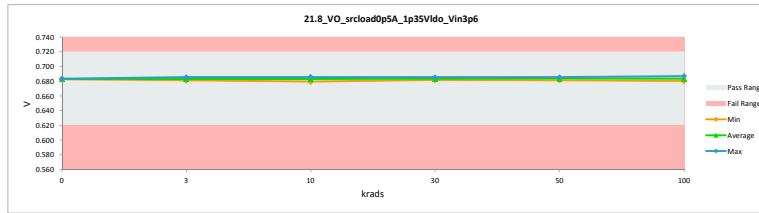


TID 100krad HDR Report
TPS7H3301-SP

21.8_VO_srcloadOp5A_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.72	0.72		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.684	0.683	0.001
3	A116_Biased	0.682	0.684	-0.002
3	A117_Biased	0.680	0.683	-0.002
3	B36_Biased	0.683	0.683	0.000
3	B37_Biased	0.684	0.684	0.000
3	C39_Biased	0.683	0.683	0.000
3	A118_Unbiased	0.684	0.686	-0.002
3	A140_Unbiased	0.684	0.684	0.000
3	B38_Unbiased	0.684	0.684	0.000
3	B39_Unbiased	0.682	0.681	0.000
3	C40_Unbiased	0.682	0.682	0.000
10	A119_Biased	0.682	0.684	-0.002
10	A120_Biased	0.684	0.685	-0.002
10	B40_Biased	0.683	0.683	0.000
10	C41_Biased	0.684	0.684	0.000
10	C42_Biased	0.686	0.686	0.001
10	A121_Unbiased	0.680	0.682	-0.003
10	A124_Unbiased	0.678	0.679	-0.002
10	B41_Unbiased	0.686	0.686	0.000
10	C43_Unbiased	0.683	0.681	0.001
10	C44_Unbiased	0.683	0.682	0.001
30	A125_Biased	0.681	0.683	-0.002
30	B42_Biased	0.682	0.682	0.000
30	B43_Biased	0.684	0.684	0.000
30	C45_Biased	0.685	0.686	0.000
30	C46_Biased	0.683	0.682	0.001
30	A127_Unbiased	0.681	0.684	-0.003
30	B45_Unbiased	0.682	0.682	0.000
30	B47_Unbiased	0.686	0.685	0.000
30	C47_Unbiased	0.683	0.683	0.000
30	C50_Unbiased	0.684	0.683	0.001
50	A128_Biased	0.683	0.685	-0.002
50	A129_Biased	0.684	0.686	-0.002
50	B48_Biased	0.683	0.683	0.000
50	B49_Biased	0.684	0.684	0.000
50	C51_Biased	0.686	0.685	0.001
50	A130_Unbiased	0.679	0.682	-0.002
50	A131_Unbiased	0.681	0.683	-0.001
50	B50_Unbiased	0.684	0.684	0.000
50	B51_Unbiased	0.685	-0.005	
50	C53_Unbiased	0.685	0.684	0.001
0	106_Corr	0.684	0.684	0.000
100	A132_Biased	0.682	0.684	-0.002
100	A134_Biased	0.680	0.682	-0.003
100	A135_Biased	0.681	0.683	-0.002
100	B52_Biased	0.680	0.680	0.000
100	B54_Biased	0.683	0.683	0.000
100	B55_Biased	0.683	0.684	-0.001
100	B56_Biased	0.685	0.686	-0.001
100	B57_Biased	0.685	0.686	-0.001
100	B59_Biased	0.682	0.682	0.000
100	B62_Biased	0.684	0.684	0.000
100	B63_Biased	0.684	0.684	0.000
100	B64_Biased	0.686	0.685	0.001
100	B66_Biased	0.684	0.683	0.000
100	B68_Biased	0.684	0.684	0.000
100	C54_Biased	0.683	0.682	0.001
100	C55_Biased	0.683	0.683	0.000
100	C56_Biased	0.685	0.686	0.000
100	C57_Biased	0.684	0.684	0.000
100	C58_Biased	0.683	0.683	0.000
100	C59_Biased	0.685	0.685	0.000
100	C65_Biased	0.683	0.683	0.000
100	C67_Biased	0.685	0.685	0.000
100	A122_Unbiased	0.683	0.685	-0.002
100	A138_Unbiased	0.683	0.684	-0.002
100	A139_Unbiased	0.681	0.683	-0.002
100	B60_Unbiased	0.683	0.683	-0.002
100	B61_Unbiased	0.684	0.684	-0.001
100	B69_Unbiased	0.683	0.682	0.000
100	B70_Unbiased	0.684	0.684	0.000
100	B71_Unbiased	0.682	0.682	0.000
100	B72_Unbiased	0.683	0.683	-0.001
100	B73_Unbiased	0.682	0.682	0.000
100	B74_Unbiased	0.682	0.681	0.000
100	B77_Unbiased	0.683	0.683	0.001
100	B78_Unbiased	0.683	0.683	0.000
100	B79_Unbiased	0.683	0.683	0.000
100	B80_Unbiased	0.683	0.683	0.000
100	C70_Unbiased	0.682	0.681	0.001
100	C71_Unbiased	0.684	0.684	0.000
100	C72_Unbiased	0.684	0.684	0.000
100	C73_Unbiased	0.683	0.683	0.000
100	C75_Unbiased	0.684	0.684	0.000
100	C76_Unbiased	0.687	0.686	0.000
100	C79_Unbiased	0.686	0.685	0.001
	Max	0.687	0.687	0.001
	Average	0.683	0.684	0.000
	Min	0.678	0.679	-0.005
	Std Dev	0.002	0.001	0.001

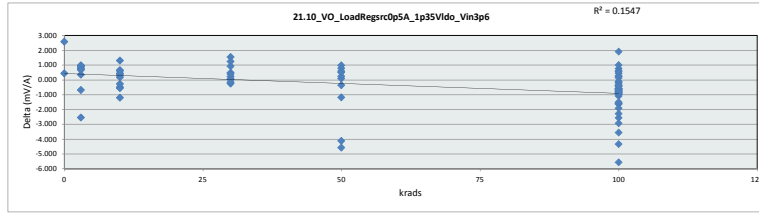


21.8_VO_srcloadOp5A_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.72					
Min Limit	0.62					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.683	0.681	0.680	0.682	0.682	0.680
Average	0.683	0.683	0.683	0.683	0.684	0.684
Max	0.684	0.686	0.686	0.686	0.686	0.687
UL	0.720	0.720	0.720	0.720	0.720	0.720

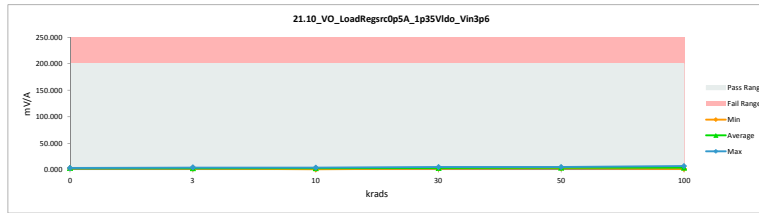


TID 100krad HDR Report
TPS7H3301-SP

21_10_VO_LoadRegrOp5A_1p3				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.376	2.802	2.574
3	A116_Biased	1.964	2.645	-0.681
3	A117_Biased	3.342	2.444	0.898
3	B36_Biased	3.884	2.935	0.949
3	B37_Biased	3.890	3.161	0.729
3	C39_Biased	3.614	3.267	0.347
3	A118_Unbiased	0.827	3.363	-2.536
3	A140_Unbiased	5.376	4.469	0.907
3	B38_Unbiased	3.754	2.980	0.774
3	B39_Unbiased	4.382	3.397	0.985
3	C40_Unbiased	4.021	3.348	0.673
10	A119_Biased	2.868	3.369	-0.501
10	A120_Biased	2.246	2.804	-0.554
10	B40_Biased	3.500	3.063	0.437
10	C41_Biased	4.240	3.582	0.658
10	C42_Biased	3.809	4.087	-0.278
10	A121_Unbiased	3.211	4.421	-1.210
10	A124_Unbiased	2.705	2.378	0.327
10	B41_Unbiased	4.709	4.099	0.610
10	C43_Unbiased	2.401	1.092	1.309
10	C44_Unbiased	3.468	3.281	0.187
30	A125_Biased	4.230	2.591	1.539
30	B42_Biased	3.019	2.105	0.914
30	B43_Biased	2.401	2.372	0.029
30	C45_Biased	4.212	4.455	-0.243
30	C46_Biased	5.573	4.325	1.248
30	A127_Unbiased	3.725	3.502	0.223
30	B45_Unbiased	4.143	3.664	0.479
30	B47_Unbiased	3.874	3.834	0.040
30	C47_Unbiased	4.473	4.081	0.392
30	C50_Unbiased	5.154	5.227	-0.173
50	A128_Biased	0.464	4.585	-4.121
50	A129_Biased	0.183	4.765	-4.582
50	B48_Biased	3.786	2.811	0.975
50	B49_Biased	4.651	4.553	0.098
50	C51_Biased	4.815	4.573	0.242
50	A130_Unbiased	3.702	2.910	0.792
50	A131_Unbiased	1.815	3.003	-1.188
50	B50_Unbiased	3.738	4.107	-0.369
50	B51_Unbiased	3.195	3.199	0.579
50	C53_Biased	5.774	5.280	0.494
0	106_Corr	4.090	3.644	0.446
100	A132_Biased	0.249	4.590	-4.341
100	A134_Biased	3.578	1.674	1.904
100	A135_Biased	1.268	4.193	-2.925
100	B52_Biased	3.781	4.361	-0.580
100	B54_Biased	4.376	3.612	0.764
100	B55_Biased	3.319	3.765	-0.446
100	B56_Biased	4.802	5.463	-0.661
100	B57_Biased	4.964	5.698	-0.734
100	B59_Biased	3.680	3.062	0.618
100	B62_Biased	4.271	4.374	-0.103
100	B63_Biased	2.208	3.309	-1.101
100	B64_Biased	3.279	3.490	-0.211
100	B66_Biased	3.369	4.939	-1.570
100	B68_Biased	4.891	4.620	0.271
100	C54_Biased	2.624	3.243	-0.619
100	C55_Biased	2.985	2.847	0.138
100	C56_Biased	5.620	6.617	-0.997
100	C57_Biased	3.899	3.453	0.446
100	C58_Biased	3.698	4.106	-0.408
100	C59_Biased	4.518	4.667	-0.149
100	C65_Biased	4.869	5.629	-0.759
100	C67_Biased	5.167	5.941	-0.774
100	A122_Unbiased	2.272	3.193	-0.921
100	A138_Unbiased	0.353	3.916	-3.563
100	A139_Unbiased	1.648	4.211	-2.563
100	B60_Unbiased	1.570	7.145	-5.575
100	B61_Unbiased	3.349	5.636	-2.287
100	B69_Unbiased	1.570	3.191	-1.621
100	B70_Unbiased	3.349	3.949	-0.600
100	B71_Unbiased	3.010	3.854	-0.844
100	B72_Unbiased	4.960	5.922	-0.962
100	B73_Unbiased	3.745	4.439	-0.694
100	B74_Unbiased	2.031	2.363	-0.332
100	B77_Unbiased	3.729	4.535	-0.806
100	B78_Unbiased	4.001	3.764	0.237
100	B79_Unbiased	3.008	3.598	-0.590
100	B80_Unbiased	2.860	3.270	-0.410
100	C70_Unbiased	2.231	3.868	-1.637
100	C71_Unbiased	3.466	4.970	-1.504
100	C72_Unbiased	4.076	4.994	-0.918
100	C73_Unbiased	3.187	5.110	-1.923
100	C75_Unbiased	3.509	4.346	-0.837
100	C76_Unbiased	6.155	5.611	0.544
100	C78_Unbiased	6.632	6.632	0.000
	Max	6.632	7.145	2.574
	Average	3.526	3.928	-0.403
	Min	0.183	1.092	-5.575
	Std Dev	1.326	1.102	1.421

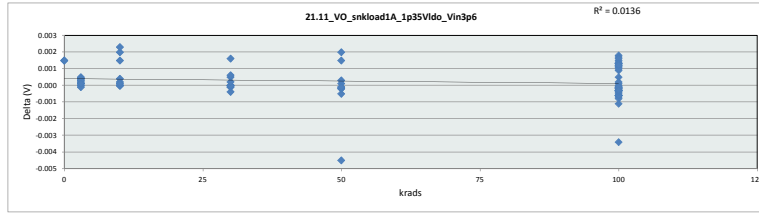


21_10_VO_LoadRegrOp5A_1p3					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	200	mV/A			
Min Limit	0	mV/A			
krads	0	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	2.802	2.444	1.092	2.105	2.811
Average	3.223	3.201	3.217	3.626	3.978
Max	3.644	4.469	4.421	5.327	5.280
UL	200.000	200.000	200.000	200.000	200.000

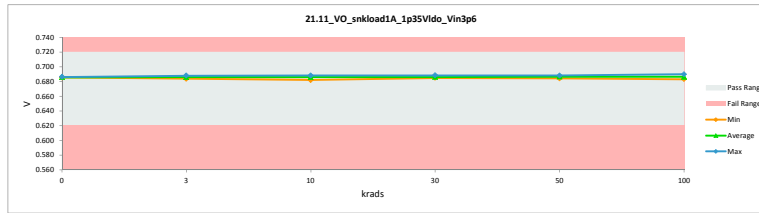


TID 100krad HDR Report
TPS7H3301-SP

21.11_VO_snkload1A_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.72	0.72		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.687	0.686	0.002
3	A116_Biased	0.687	0.687	0.000
3	A117_Biased	0.685	0.685	0.000
3	B36_Biased	0.686	0.686	0.000
3	B37_Biased	0.687	0.686	0.000
3	C39_Biased	0.686	0.686	0.000
3	A118_Unbiased	0.688	0.688	0.000
3	A140_Unbiased	0.687	0.687	0.000
3	B38_Unbiased	0.687	0.687	0.000
3	B39_Unbiased	0.684	0.684	0.000
3	C40_Unbiased	0.685	0.684	0.000
10	A119_Biased	0.687	0.687	0.000
10	A120_Biased	0.688	0.688	0.000
10	B40_Biased	0.685	0.685	0.000
10	C41_Biased	0.687	0.687	0.000
10	C42_Biased	0.690	0.688	0.002
10	A121_Unbiased	0.685	0.685	0.000
10	A124_Unbiased	0.682	0.682	0.000
10	B41_Unbiased	0.688	0.688	0.000
10	C43_Unbiased	0.687	0.685	0.002
10	C44_Unbiased	0.687	0.685	0.002
30	A125_Biased	0.686	0.686	0.000
30	B42_Biased	0.685	0.685	0.000
30	B43_Biased	0.686	0.686	0.000
30	C45_Biased	0.688	0.688	0.000
30	C46_Biased	0.686	0.685	0.001
30	A127_Unbiased	0.687	0.687	0.000
30	B45_Unbiased	0.685	0.685	0.000
30	B47_Unbiased	0.688	0.688	0.000
30	C47_Unbiased	0.686	0.686	0.001
30	C50_Unbiased	0.687	0.686	0.002
50	A128_Biased	0.687	0.687	0.000
50	A129_Biased	0.688	0.688	0.000
50	B48_Biased	0.686	0.686	0.000
50	B49_Biased	0.687	0.688	-0.001
50	C51_Biased	0.690	0.688	0.002
50	A130_Unbiased	0.684	0.684	0.000
50	A131_Unbiased	0.686	0.685	0.000
50	B50_Unbiased	0.686	0.686	0.000
50	B51_Unbiased	0.683	-0.004	
50	C53_Unbiased	0.688	0.686	0.002
0	106_Corr	0.688	0.686	0.001
100	A132_Biased	0.687	0.688	-0.001
100	A134_Biased	0.684	0.683	0.001
100	A135_Biased	0.686	0.686	0.000
100	B52_Biased	0.683	0.683	0.000
100	B54_Biased	0.686	0.686	0.000
100	B55_Biased	0.686	0.687	-0.001
100	B56_Biased	0.688	0.688	-0.001
100	B57_Biased	0.688	0.688	-0.001
100	B59_Biased	0.685	0.685	0.000
100	B62_Biased	0.687	0.687	0.000
100	B63_Biased	0.688	0.687	0.001
100	B64_Biased	0.689	0.689	0.001
100	B66_Biased	0.688	0.687	0.001
100	B68_Biased	0.687	0.687	0.001
100	C54_Biased	0.687	0.686	0.001
100	C55_Biased	0.686	0.686	0.000
100	C56_Biased	0.688	0.688	0.000
100	C57_Biased	0.686	0.687	0.000
100	C58_Biased	0.686	0.687	-0.001
100	C59_Biased	0.688	0.688	0.000
100	C65_Biased	0.686	0.686	0.000
100	C67_Biased	0.687	0.688	0.000
100	A122_Unbiased	0.688	0.688	0.000
100	A138_Unbiased	0.687	0.687	0.000
100	A139_Unbiased	0.686	0.686	0.000
100	B60_Unbiased	0.687	0.690	-0.003
100	B61_Unbiased	0.688	0.687	0.000
100	B69_Unbiased	0.687	0.685	0.001
100	B70_Unbiased	0.688	0.686	0.001
100	B71_Unbiased	0.684	0.685	-0.001
100	B72_Unbiased	0.685	0.686	-0.001
100	B73_Unbiased	0.686	0.685	0.001
100	B74_Unbiased	0.685	0.684	0.001
100	B77_Unbiased	0.687	0.686	0.002
100	B78_Unbiased	0.686	0.686	0.000
100	B79_Unbiased	0.686	0.685	0.001
100	B80_Unbiased	0.685	0.685	0.000
100	C70_Unbiased	0.686	0.684	0.002
100	C71_Unbiased	0.687	0.687	0.002
100	C72_Unbiased	0.688	0.687	0.001
100	C73_Unbiased	0.687	0.686	0.001
100	C75_Unbiased	0.687	0.687	-0.001
100	C76_Unbiased	0.689	0.689	0.000
100	C79_Unbiased	0.688	0.688	0.000
	Max	0.690	0.690	0.002
	Average	0.687	0.686	0.000
	Min	0.682	0.682	-0.004
	Std Dev	0.001	0.001	0.001

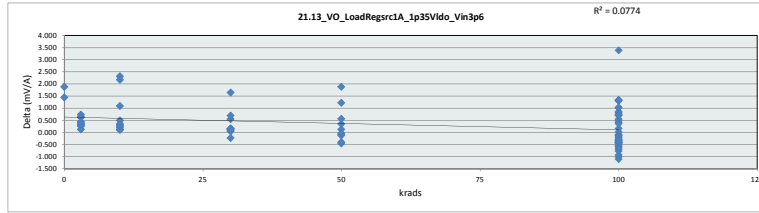


21.11_VO_snkload1A_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.72					
Min Limit	0.62					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.686	0.684	0.682	0.685	0.684	0.683
Average	0.686	0.686	0.686	0.686	0.687	0.686
Max	0.686	0.688	0.688	0.688	0.688	0.690
UL	0.720	0.720	0.720	0.720	0.720	0.720

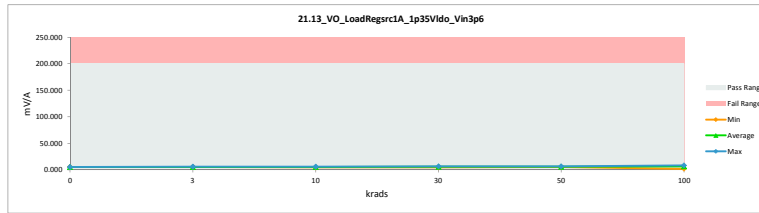


TID 100krad HDR Report
TPS7H3301-SP

21_13_VO_LoadRegrc1A_1p35V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	6.738	5.298	1.440
3	A116_Biased	6.610	5.984	0.626
3	A117_Biased	5.502	5.128	0.374
3	B36_Biased	5.839	5.463	0.376
3	B37_Biased	5.788	5.533	0.255
3	C39_Biased	5.667	5.547	0.120
3	A118_Unbiased	5.627	5.303	0.324
3	A140_Unbiased	6.738	6.002	0.736
3	B38_Unbiased	5.807	5.173	0.634
3	B39_Unbiased	5.893	5.456	0.437
3	C40_Unbiased	5.659	5.350	0.309
10	A119_Biased	5.989	5.888	0.104
10	A120_Biased	5.859	5.298	0.561
10	B40_Biased	5.556	5.304	0.252
10	C41_Biased	6.426	5.931	0.495
10	C42_Biased	7.842	5.667	2.175
10	A121_Unbiased	6.323	6.131	0.192
10	A124_Unbiased	5.025	4.915	0.110
10	B41_Unbiased	6.228	5.928	0.300
10	C43_Unbiased	6.986	5.902	1.084
10	C44_Unbiased	7.685	5.367	2.318
30	A125_Biased	5.090	4.924	0.166
30	B42_Biased	5.608	5.552	0.056
30	B43_Biased	5.033	4.909	0.124
30	C45_Biased	5.976	6.204	-0.228
30	C46_Biased	6.789	6.238	0.551
30	A127_Unbiased	5.913	5.867	0.046
30	B45_Unbiased	6.008	5.873	0.135
30	B47_Unbiased	5.740	5.601	0.139
30	C47_Unbiased	6.699	6.005	0.694
30	C50_Unbiased	8.056	6.414	1.642
50	A128_Biased	6.201	6.076	0.125
50	A129_Biased	6.150	6.226	-0.076
50	B48_Biased	5.978	6.107	-0.129
50	B49_Biased	6.235	6.694	-0.464
50	C51_Biased	7.908	6.685	1.223
50	A130_Unbiased	5.339	5.378	-0.039
50	A131_Unbiased	5.587	5.245	0.342
50	B50_Unbiased	5.687	6.096	-0.409
50	B51_Unbiased	5.911	5.348	0.563
50	C53_Unbiased	8.365	6.484	1.881
0	106_Corr	7.470	5.584	1.886
100	A132_Biased	6.806	7.217	-0.411
100	A134_Biased	5.417	2.025	3.392
100	A135_Biased	5.235	6.265	-0.330
100	B52_Biased	5.912	6.325	-0.413
100	B54_Biased	6.389	6.482	-0.093
100	B55_Biased	5.422	5.877	-0.455
100	B56_Biased	6.273	6.757	-0.484
100	B57_Biased	6.439	6.984	-0.545
100	B59_Biased	6.010	5.988	0.022
100	B62_Biased	6.474	6.316	0.158
100	B63_Biased	6.805	6.067	0.738
100	B64_Biased	7.004	6.155	0.849
100	B66_Biased	7.335	6.866	0.469
100	B68_Biased	6.824	6.281	0.543
100	C54_Biased	7.160	6.397	0.763
100	C55_Biased	5.485	5.714	-0.229
100	C56_Biased	7.221	7.507	-0.286
100	C57_Biased	5.841	6.040	-0.199
100	C58_Biased	5.996	6.773	-0.777
100	C59_Biased	6.901	7.047	-0.146
100	C65_Biased	6.354	6.722	-0.368
100	C67_Biased	6.577	6.997	-0.420
100	A122_Unbiased	5.482	5.913	-0.431
100	A138_Unbiased	5.302	5.881	-0.579
100	A139_Unbiased	5.751	6.159	-0.408
100	B60_Unbiased	6.727	7.143	-1.016
100	B61_Unbiased	7.320	6.920	0.400
100	B69_Unbiased	6.727	5.888	0.839
100	B70_Unbiased	7.320	5.977	1.343
100	B71_Unbiased	5.171	6.106	-0.935
100	B72_Unbiased	5.938	7.041	-1.103
100	B73_Unbiased	6.808	6.449	0.359
100	B74_Unbiased	6.087	5.078	1.009
100	B77_Unbiased	7.604	6.268	1.336
100	B78_Unbiased	5.948	6.086	-0.138
100	B79_Unbiased	6.646	5.958	0.688
100	B80_Unbiased	5.246	5.600	-0.354
100	C70_Unbiased	7.317	6.281	1.036
100	C71_Unbiased	7.350	6.255	1.295
100	C72_Unbiased	7.894	6.587	1.307
100	C73_Unbiased	7.453	6.738	0.715
100	C75_Unbiased	6.003	6.640	-0.637
100	C76_Unbiased	6.981	7.296	-0.315
100	C79_Unbiased	7.513	8.209	-0.696
	Max	8.365	8.209	3.392
	Average	6.358	6.047	0.311
	Min	5.025	2.025	-1.103
	Std Dev	0.798	0.788	0.789

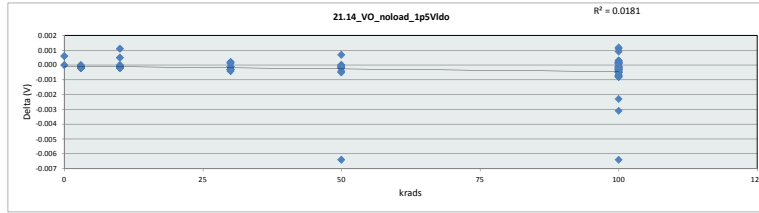


21_13_VO_LoadRegrc1A_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	5.298	5.128	4.915	4.909	5.245	2.025
Average	5.441	5.494	5.624	5.759	6.034	6.365
Max	5.584	6.002	6.131	6.414	6.699	8.209
UL	200.000	200.000	200.000	200.000	200.000	200.000

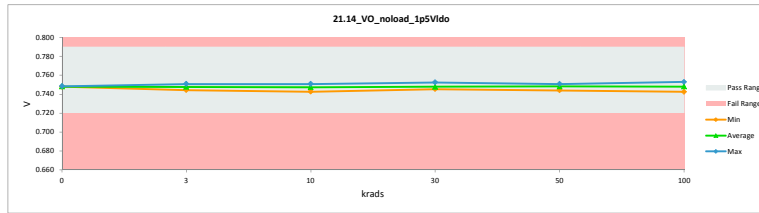


TID 100krad HDR Report
TPS7H3301-SP

21_14_VO_noload_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.748	0.748	0.001
3	A116_Biased	0.748	0.748	0.000
3	A117_Biased	0.746	0.746	0.000
3	B36_Biased	0.748	0.748	0.000
3	B37_Biased	0.748	0.748	0.000
3	C39_Biased	0.747	0.747	0.000
3	A118_Unbiased	0.751	0.751	0.000
3	A140_Unbiased	0.748	0.749	0.000
3	B38_Unbiased	0.749	0.749	0.000
3	B39_Unbiased	0.744	0.744	0.000
3	C40_Unbiased	0.746	0.746	0.000
10	A119_Biased	0.748	0.748	0.000
10	A120_Biased	0.750	0.750	0.000
10	B40_Biased	0.747	0.747	0.000
10	C41_Biased	0.749	0.749	0.000
10	C42_Biased	0.751	0.751	0.000
10	A121_Unbiased	0.745	0.745	0.000
10	A124_Unbiased	0.743	0.743	0.000
10	B41_Unbiased	0.750	0.750	0.000
10	C43_Unbiased	0.746	0.745	0.001
10	C44_Unbiased	0.747	0.747	0.001
30	A125_Biased	0.747	0.747	0.000
30	B42_Biased	0.746	0.747	0.000
30	B43_Biased	0.748	0.748	0.000
30	C45_Biased	0.751	0.752	0.000
30	C46_Biased	0.746	0.746	0.000
30	A127_Unbiased	0.746	0.747	0.000
30	B45_Unbiased	0.746	0.746	0.000
30	B47_Unbiased	0.752	0.752	0.000
30	C47_Unbiased	0.748	0.748	0.000
30	C50_Unbiased	0.748	0.748	0.000
50	A128_Biased	0.749	0.749	0.000
50	A129_Biased	0.750	0.751	0.000
50	B48_Biased	0.746	0.746	0.000
50	B49_Biased	0.748	0.749	-0.001
50	C51_Biased	0.750	0.750	0.000
50	A130_Unbiased	0.744	0.744	0.000
50	A131_Unbiased	0.747	0.747	0.000
50	B50_Unbiased	0.748	0.748	0.000
50	B51_Unbiased	0.743	0.749	-0.006
50	C53_Biased	0.749	0.748	0.001
0	106_Corr	0.748	0.748	0.000
100	A132_Biased	0.748	0.748	-0.001
100	A134_Biased	0.745	0.748	-0.003
100	A135_Biased	0.747	0.747	-0.001
100	B52_Biased	0.743	0.743	0.000
100	B54_Biased	0.746	0.746	0.000
100	B55_Biased	0.749	0.750	-0.001
100	B56_Biased	0.750	0.751	-0.001
100	B57_Biased	0.751	0.751	-0.001
100	B59_Biased	0.746	0.746	0.000
100	B62_Biased	0.749	0.749	0.000
100	B63_Biased	0.748	0.748	0.000
100	B64_Biased	0.751	0.751	0.000
100	B66_Biased	0.748	0.748	0.000
100	B68_Biased	0.748	0.748	0.000
100	C54_Biased	0.747	0.746	0.001
100	C55_Biased	0.747	0.747	0.000
100	C56_Biased	0.750	0.750	0.000
100	C57_Biased	0.748	0.748	0.000
100	C58_Biased	0.747	0.748	0.000
100	C59_Biased	0.750	0.750	0.000
100	C65_Biased	0.747	0.748	0.000
100	C67_Biased	0.749	0.750	-0.001
100	A122_Unbiased	0.750	0.750	0.000
100	A138_Unbiased	0.750	0.750	-0.001
100	A139_Unbiased	0.747	0.747	0.000
100	B60_Unbiased	0.747	0.753	-0.006
100	B61_Unbiased	0.748	0.750	-0.002
100	B69_Unbiased	0.747	0.746	0.000
100	B70_Unbiased	0.748	0.748	0.000
100	B71_Unbiased	0.747	0.747	0.000
100	B72_Unbiased	0.748	0.748	0.000
100	B73_Unbiased	0.746	0.746	0.000
100	B74_Unbiased	0.746	0.745	0.000
100	B77_Unbiased	0.748	0.748	0.000
100	B78_Unbiased	0.746	0.746	0.000
100	B79_Unbiased	0.747	0.747	0.000
100	B80_Unbiased	0.747	0.747	0.000
100	C70_Unbiased	0.746	0.744	0.001
100	C71_Unbiased	0.749	0.750	0.000
100	C72_Unbiased	0.748	0.748	0.000
100	C73_Unbiased	0.746	0.745	0.001
100	C75_Unbiased	0.749	0.749	-0.001
100	C76_Unbiased	0.752	0.752	-0.001
100	C79_Unbiased	0.749	0.750	0.000
	Max	0.752	0.753	0.001
	Average	0.748	0.748	0.000
	Min	0.743	0.743	-0.006
	Std Dev	0.002	0.002	0.001

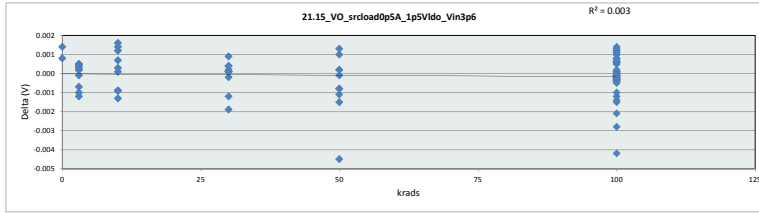


21_14_VO_noload_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79 V					
Min Limit	0.72 V					
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.748	0.744	0.743	0.745	0.744	0.743
Average	0.748	0.748	0.747	0.748	0.748	0.748
Max	0.748	0.751	0.751	0.752	0.751	0.753
UL	0.790	0.790	0.790	0.790	0.790	0.790

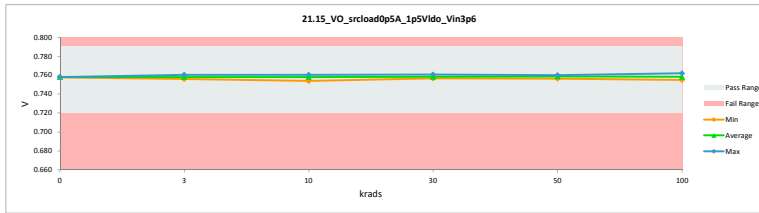


TID 100krad HDR Report
TPS7H3301-SP

21.15_VO_srcload0p5A_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V			
Max Limit	0.79			
Min Limit	0.72	0.72		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.759	0.757	0.001
3	A116_Biased	0.758	0.759	-0.001
3	A117_Biased	0.756	0.757	-0.001
3	B36_Biased	0.758	0.758	0.000
3	B37_Biased	0.759	0.758	0.001
3	C39_Biased	0.758	0.758	0.000
3	A118_Unbiased	0.760	0.760	-0.001
3	A140_Unbiased	0.759	0.759	0.000
3	B38_Unbiased	0.759	0.759	0.001
3	B39_Unbiased	0.756	0.756	0.000
3	C40_Unbiased	0.757	0.757	0.000
10	A119_Biased	0.758	0.759	-0.001
10	A120_Biased	0.759	0.760	-0.001
10	B40_Biased	0.757	0.757	0.000
10	C41_Biased	0.759	0.759	0.000
10	C42_Biased	0.762	0.760	0.001
10	A121_Unbiased	0.756	0.757	-0.001
10	A124_Unbiased	0.753	0.754	-0.001
10	B41_Unbiased	0.761	0.760	0.001
10	C43_Unbiased	0.758	0.757	0.002
10	C44_Unbiased	0.758	0.757	0.001
30	A125_Biased	0.757	0.758	-0.001
30	B42_Biased	0.757	0.757	0.000
30	B43_Biased	0.758	0.758	0.000
30	C45_Biased	0.760	0.761	0.000
30	C46_Biased	0.757	0.757	0.000
30	A127_Unbiased	0.757	0.759	-0.002
30	B45_Unbiased	0.757	0.757	0.000
30	B47_Unbiased	0.760	0.760	0.000
30	C47_Unbiased	0.758	0.758	0.000
30	C50_Unbiased	0.759	0.758	0.001
50	A128_Biased	0.758	0.759	-0.001
50	A129_Biased	0.759	0.760	-0.001
50	B48_Biased	0.758	0.757	0.000
50	B49_Biased	0.759	0.759	0.000
50	C51_Biased	0.761	0.760	0.001
50	A130_Unbiased	0.755	0.756	-0.002
50	A131_Unbiased	0.757	0.757	-0.001
50	B50_Unbiased	0.758	0.758	0.000
50	B51_Unbiased	0.759	-0.005	
50	C53_Unbiased	0.760	0.758	0.001
0	106_Corr	0.759	0.758	0.001
100	A132_Biased	0.757	0.759	-0.002
100	A134_Biased	0.755	0.758	-0.003
100	A135_Biased	0.756	0.758	-0.002
100	B52_Biased	0.755	0.755	0.000
100	B54_Biased	0.757	0.757	0.000
100	B55_Biased	0.758	0.759	0.000
100	B56_Biased	0.760	0.760	0.000
100	B57_Biased	0.760	0.760	0.000
100	B59_Biased	0.757	0.756	0.000
100	B62_Biased	0.759	0.759	0.000
100	B63_Biased	0.759	0.758	0.001
100	B64_Biased	0.761	0.760	0.001
100	B66_Biased	0.760	0.758	0.001
100	B68_Biased	0.759	0.759	0.001
100	C54_Biased	0.758	0.757	0.001
100	C55_Biased	0.758	0.758	0.000
100	C56_Biased	0.760	0.760	0.000
100	C57_Biased	0.758	0.758	0.000
100	C58_Biased	0.758	0.758	0.000
100	C59_Biased	0.759	0.759	0.000
100	C65_Biased	0.758	0.758	0.000
100	C67_Biased	0.759	0.760	0.000
100	A122_Unbiased	0.759	0.760	-0.001
100	A138_Unbiased	0.758	0.759	-0.001
100	A139_Unbiased	0.757	0.758	-0.001
100	B60_Unbiased	0.758	0.762	-0.004
100	B61_Unbiased	0.759	0.759	0.000
100	B69_Unbiased	0.758	0.757	0.001
100	B70_Unbiased	0.759	0.758	0.001
100	B71_Unbiased	0.757	0.757	0.000
100	B72_Unbiased	0.758	0.758	0.000
100	B73_Unbiased	0.757	0.756	0.001
100	B74_Unbiased	0.756	0.756	0.001
100	B77_Unbiased	0.759	0.757	0.001
100	B78_Unbiased	0.758	0.758	0.000
100	B79_Unbiased	0.758	0.757	0.001
100	B80_Unbiased	0.757	0.757	0.000
100	C70_Unbiased	0.757	0.756	0.001
100	C71_Unbiased	0.760	0.759	0.001
100	C72_Unbiased	0.759	0.758	0.001
100	C73_Unbiased	0.758	0.757	0.001
100	C75_Unbiased	0.758	0.758	0.000
100	C76_Unbiased	0.761	0.761	0.000
100	C79_Unbiased	0.760	0.760	0.000
	Max	0.762	0.762	0.002
	Average	0.758	0.758	0.000
	Min	0.753	0.754	-0.005
	Std Dev	0.002	0.001	0.001

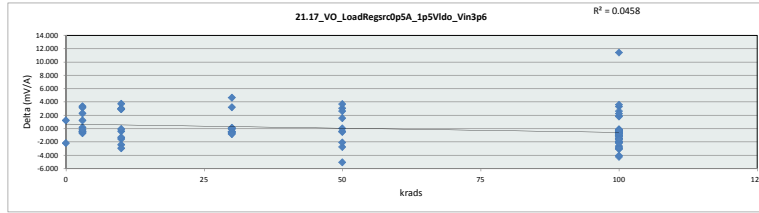


21.15_VO_srcload0p5A_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.72	V				
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.758	0.756	0.754	0.757	0.756	0.755
Average	0.758	0.758	0.758	0.758	0.759	0.758
Max	0.758	0.760	0.760	0.761	0.760	0.762
UL	0.790	0.790	0.790	0.790	0.790	0.790

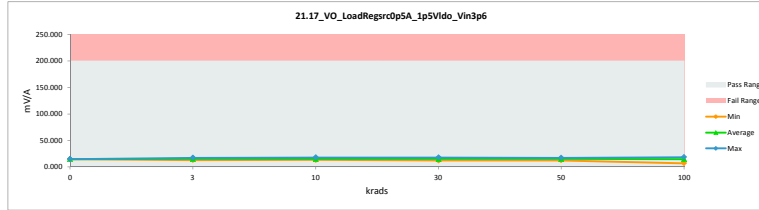


TID 100krad HDR Report
TPS7H3301-SP

21_17_VO_LoadRegrOp5A_1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	15.896	14.651	1.245
3	A116_Biased	20.622	17.261	3.361
3	A117_Biased	18.740	15.560	3.180
3	B36_Biased	14.356	14.738	-0.382
3	B37_Biased	15.703	16.396	-0.693
3	C39_Biased	14.060	13.866	0.194
3	A118_Unbiased	18.672	16.359	2.313
3	A140_Unbiased	15.896	14.632	1.264
3	B38_Unbiased	13.298	13.765	-0.467
3	B39_Unbiased	15.456	15.956	-0.500
3	C40_Unbiased	12.905	13.050	-0.145
10	A119_Biased	20.295	17.312	2.983
10	A120_Biased	20.898	17.967	2.931
10	B40_Biased	14.082	14.449	-0.367
10	C41_Biased	13.622	13.694	-0.072
10	C42_Biased	12.021	14.420	-2.399
10	A121_Unbiased	18.615	15.060	3.755
10	A124_Unbiased	16.275	13.252	3.023
10	B41_Unbiased	15.078	16.630	-1.552
10	C43_Unbiased	12.014	14.929	-2.915
10	C44_Unbiased	12.128	13.442	-1.314
30	A125_Biased	20.630	17.617	3.213
30	B42_Biased	16.503	17.167	-0.664
30	B43_Biased	16.281	16.792	-0.511
30	C45_Biased	14.123	14.103	0.020
30	C46_Biased	13.927	13.956	-0.029
30	A127_Unbiased	22.493	17.814	4.679
30	B45_Unbiased	14.793	15.230	-0.437
30	B47_Unbiased	12.937	12.799	0.138
30	C47_Unbiased	14.439	14.924	-0.485
30	C50_Unbiased	11.214	12.022	-0.808
50	A128_Biased	17.913	14.863	3.050
50	A129_Biased	16.356	14.794	1.562
50	B48_Biased	15.185	15.658	-0.473
50	B49_Biased	16.408	16.818	-0.410
50	C51_Biased	13.004	15.762	-2.758
50	A130_Unbiased	20.000	16.288	3.712
50	A131_Unbiased	16.249	13.610	2.639
50	B50_Unbiased	14.073	14.024	0.049
50	B51_Unbiased	12.238	17.277	-5.039
50	C53_Unbiased	10.466	12.523	-2.057
0	106_Corr	12.795	14.964	-2.169
100	A132_Biased	17.501	14.208	3.293
100	A134_Biased	18.365	6.924	11.441
100	A135_Biased	17.172	14.649	2.623
100	B52_Biased	12.548	12.642	-0.094
100	B54_Biased	15.508	16.556	-1.048
100	B55_Biased	14.936	15.678	-0.742
100	B56_Biased	13.969	14.970	-1.001
100	B57_Biased	13.596	14.648	-1.052
100	B59_Biased	14.881	16.307	-1.426
100	B62_Biased	13.399	14.541	-1.142
100	B63_Biased	14.088	16.101	-2.013
100	B64_Biased	13.177	17.403	-4.226
100	B66_Biased	11.664	15.679	-4.015
100	B68_Biased	12.401	15.401	-3.000
100	C54_Biased	13.220	16.285	-3.065
100	C55_Biased	15.113	16.175	-1.062
100	C56_Biased	13.164	13.459	-0.295
100	C57_Biased	15.639	17.304	-1.665
100	C58_Biased	13.808	14.451	-0.643
100	C59_Biased	14.276	15.143	-0.867
100	C65_Biased	12.563	13.177	-0.614
100	C67_Biased	14.530	14.909	-0.379
100	A122_Unbiased	20.406	18.491	1.915
100	A138_Unbiased	15.665	13.847	1.818
100	A139_Unbiased	19.605	16.021	3.584
100	B60_Unbiased	15.302	13.028	2.274
100	B61_Unbiased	14.123	14.235	-0.112
100	B69_Unbiased	15.302	16.710	-1.408
100	B70_Unbiased	14.123	16.183	-2.060
100	B71_Unbiased	13.215	13.629	-0.414
100	B72_Unbiased	12.055	12.769	-0.714
100	B73_Unbiased	14.234	16.163	-1.929
100	B74_Unbiased	15.110	15.748	-0.638
100	B77_Unbiased	11.241	12.345	-1.104
100	B78_Unbiased	14.407	15.903	-1.496
100	B79_Unbiased	14.237	16.817	-2.580
100	B80_Unbiased	14.272	14.945	-0.673
100	C70_Unbiased	11.126	13.890	-2.764
100	C71_Unbiased	10.704	13.574	-2.870
100	C72_Unbiased	12.602	14.562	-1.960
100	C73_Unbiased	11.689	13.850	-2.161
100	C75_Unbiased	13.527	13.710	-0.183
100	C76_Unbiased	14.283	15.855	-1.572
100	C79_Unbiased	13.132	14.022	-0.890
	Max	22.493	18.491	11.441
	Average	14.878	14.991	-0.112
	Min	10.466	6.924	-5.039
	Std Dev	2.600	1.716	2.400

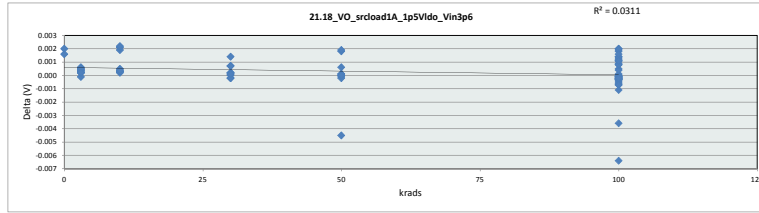


21_17_VO_LoadRegrOp5A_1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	14.651	13.050	13.252	12.022	12.523	6.924
Average	14.808	15.158	15.116	15.242	15.162	14.837
Max	14.964	17.261	17.967	17.814	17.277	18.491
UL	200.000	200.000	200.000	200.000	200.000	200.000

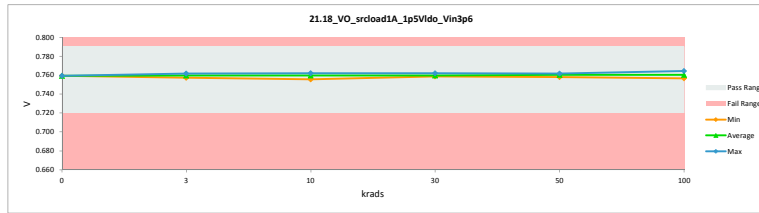


TID 100krad HDR Report
TPS7H3301-SP

21_18_VO_srcload1A_1p5VIdo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.761	0.759	0.002
3	A116_Biased	0.761	0.760	0.000
3	A117_Biased	0.759	0.759	0.000
3	B36_Biased	0.760	0.759	0.000
3	B37_Biased	0.760	0.760	0.000
3	C39_Biased	0.759	0.759	0.000
3	A118_Unbiased	0.762	0.762	0.000
3	A140_Unbiased	0.761	0.760	0.001
3	B38_Unbiased	0.761	0.760	0.001
3	B39_Unbiased	0.758	0.757	0.001
3	C40_Unbiased	0.758	0.758	0.000
10	A119_Biased	0.761	0.761	0.000
10	A120_Biased	0.762	0.762	0.000
10	B40_Biased	0.759	0.758	0.000
10	C41_Biased	0.761	0.760	0.001
10	C42_Biased	0.764	0.762	0.002
10	A121_Unbiased	0.759	0.758	0.000
10	A124_Unbiased	0.756	0.756	0.000
10	B41_Unbiased	0.762	0.762	0.000
10	C43_Unbiased	0.760	0.758	0.002
10	C44_Unbiased	0.761	0.758	0.002
30	A125_Biased	0.760	0.759	0.000
30	B42_Biased	0.759	0.758	0.000
30	B43_Biased	0.760	0.760	0.000
30	C45_Biased	0.762	0.762	0.000
30	C46_Biased	0.759	0.759	0.000
30	A127_Unbiased	0.760	0.760	0.000
30	B45_Unbiased	0.759	0.759	0.000
30	B47_Unbiased	0.762	0.762	0.000
30	C47_Unbiased	0.760	0.759	0.001
30	C50_Unbiased	0.761	0.759	0.001
50	A128_Biased	0.761	0.761	0.000
50	A129_Biased	0.762	0.762	0.000
50	B48_Biased	0.760	0.759	0.001
50	B49_Biased	0.761	0.761	0.000
50	C51_Biased	0.763	0.762	0.002
50	A130_Unbiased	0.758	0.758	0.000
50	A131_Unbiased	0.759	0.759	0.000
50	B50_Unbiased	0.760	0.760	0.000
50	B51_Unbiased	0.761	-0.004	
50	C53_Unbiased	0.762	0.760	0.002
0	106_Corr	0.761	0.759	0.002
100	A132_Biased	0.760	0.761	-0.001
100	A134_Biased	0.758	0.765	-0.006
100	A135_Biased	0.760	0.760	0.000
100	B52_Biased	0.757	0.757	0.000
100	B54_Biased	0.759	0.759	0.000
100	B55_Biased	0.760	0.760	-0.001
100	B56_Biased	0.761	0.762	0.000
100	B57_Biased	0.761	0.762	-0.001
100	B59_Biased	0.758	0.758	0.000
100	B62_Biased	0.761	0.761	0.000
100	B63_Biased	0.761	0.760	0.001
100	B64_Biased	0.763	0.762	0.001
100	B66_Biased	0.762	0.760	0.001
100	B68_Biased	0.761	0.761	0.001
100	C54_Biased	0.761	0.759	0.002
100	C55_Biased	0.759	0.759	0.000
100	C56_Biased	0.762	0.762	0.000
100	C57_Biased	0.760	0.760	0.000
100	C58_Biased	0.760	0.760	0.000
100	C59_Biased	0.761	0.762	-0.001
100	C65_Biased	0.759	0.759	0.000
100	C67_Biased	0.761	0.761	0.000
100	A122_Unbiased	0.761	0.761	0.000
100	A138_Unbiased	0.760	0.761	0.000
100	A139_Unbiased	0.759	0.760	0.000
100	B60_Unbiased	0.760	0.763	-0.004
100	B61_Unbiased	0.761	0.761	0.000
100	B69_Unbiased	0.760	0.759	0.001
100	B70_Unbiased	0.761	0.760	0.001
100	B71_Unbiased	0.758	0.759	0.000
100	B72_Unbiased	0.759	0.760	-0.001
100	B73_Unbiased	0.759	0.758	0.001
100	B74_Unbiased	0.758	0.757	0.001
100	B77_Unbiased	0.761	0.759	0.002
100	B78_Unbiased	0.760	0.760	0.000
100	B79_Unbiased	0.760	0.759	0.001
100	B80_Unbiased	0.760	0.759	0.001
100	C70_Unbiased	0.760	0.757	0.002
100	C71_Unbiased	0.762	0.760	0.002
100	C72_Unbiased	0.761	0.760	0.001
100	C73_Unbiased	0.761	0.759	0.002
100	C75_Unbiased	0.760	0.760	0.000
100	C76_Unbiased	0.763	0.763	0.000
100	C79_Unbiased	0.762	0.762	0.000
	Max	0.764	0.765	0.002
	Average	0.760	0.760	0.000
	Min	0.756	0.756	-0.006
	Std Dev	0.001	0.002	0.001

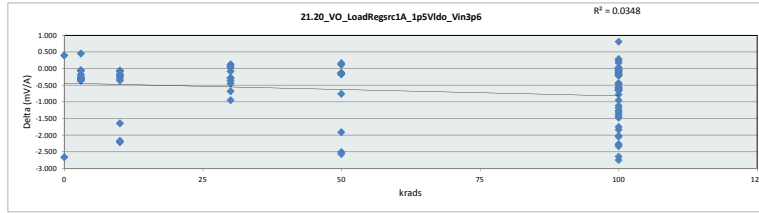


21.18_VO_srcload1A_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.72	V				
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.759	0.757	0.756	0.759	0.758	0.757
Average	0.759	0.760	0.760	0.760	0.760	0.760
Max	0.759	0.762	0.762	0.762	0.762	0.765
UL	0.790	0.790	0.790	0.790	0.790	0.790

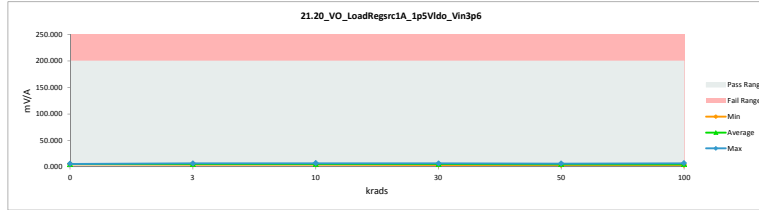


TID 100krad HDR Report
TPS7H3301-SP

21_20_VO_LoadRegrsr1A_1p5Vtc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.459	5.061	0.398
3	A116_Biased	6.317	6.581	-0.264
3	A117_Biased	5.397	5.679	-0.282
3	B36_Biased	5.011	5.186	-0.175
3	B37_Biased	5.479	5.776	-0.297
3	C39_Unbiased	5.095	4.640	0.455
3	A118_Unbiased	6.138	6.203	-0.065
3	A140_Unbiased	5.459	5.776	-0.317
3	B38_Unbiased	4.579	4.832	-0.253
3	B39_Unbiased	5.523	5.879	-0.356
3	C40_Unbiased	4.618	4.663	-0.045
10	A119_Biased	6.257	6.313	-0.056
10	A120_Biased	6.778	6.852	-0.074
10	B40_Biased	5.069	5.288	-0.219
10	C41_Biased	4.306	4.603	-0.297
10	C42_Biased	2.989	5.192	-2.203
10	A121_Unbiased	5.259	5.272	-0.213
10	A124_Unbiased	4.595	4.553	-0.158
10	B41_Unbiased	5.892	6.240	-0.348
10	C43_Unbiased	2.851	5.019	-2.168
10	C44_Unbiased	3.046	4.681	-1.635
30	A125_Biased	6.511	6.703	-0.270
30	B42_Biased	5.858	6.136	-0.278
30	B43_Biased	6.078	6.442	-0.364
30	C45_Biased	5.241	5.218	0.023
30	C46_Biased	4.414	4.861	-0.447
30	A127_Unbiased	6.678	6.660	-0.082
30	B45_Unbiased	5.064	4.930	0.134
30	B47_Unbiased	4.691	4.607	0.084
30	C47_Unbiased	4.648	5.322	-0.674
30	C50_Unbiased	2.923	3.929	-0.946
50	A128_Biased	5.072	5.237	-0.165
50	A129_Biased	5.068	5.222	-0.154
50	B48_Biased	4.658	5.409	-0.751
50	B49_Biased	6.012	6.134	-0.122
50	C51_Biased	3.232	5.137	-2.505
50	A130_Unbiased	5.843	5.988	-0.145
50	A131_Unbiased	4.835	4.714	0.121
50	B50_Unbiased	4.950	4.777	0.173
50	B51_Unbiased	3.339	3.403	-2.564
50	C53_Unbiased	1.669	3.578	-1.909
0	106_Corr	3.084	5.743	-2.659
100	A132_Biased	4.609	5.036	-0.427
100	A134_Biased	5.204	5.246	-0.042
100	A135_Biased	4.505	4.949	-0.444
100	B52_Biased	4.017	3.996	0.021
100	B54_Biased	5.786	5.549	0.237
100	B55_Biased	5.255	5.392	-0.137
100	B56_Biased	4.944	5.495	-0.551
100	B57_Biased	4.844	4.890	-0.026
100	B59_Biased	4.703	5.344	-0.641
100	B62_Biased	4.238	4.726	-0.488
100	B63_Biased	3.979	5.813	-1.834
100	B64_Biased	3.828	6.113	-2.285
100	B66_Biased	3.106	5.121	-2.015
100	B68_Biased	3.731	5.104	-1.373
100	C54_Biased	3.123	5.861	-2.738
100	C55_Biased	5.177	5.834	-0.657
100	C56_Biased	3.490	4.079	-0.589
100	C57_Biased	5.738	6.509	-0.771
100	C58_Biased	3.568	4.869	-1.301
100	C59_Biased	4.611	3.799	0.812
100	C65_Biased	4.234	4.436	-0.202
100	C67_Biased	5.163	5.295	-0.132
100	A122_Unbiased	6.808	6.995	-0.187
100	A138_Unbiased	4.667	4.720	-0.053
100	A139_Unbiased	5.898	5.860	0.038
100	B60_Unbiased	4.812	4.522	0.290
100	B61_Unbiased	4.312	4.934	-0.622
100	B69_Unbiased	4.812	5.923	-1.111
100	B70_Unbiased	4.312	5.784	-1.472
100	B71_Unbiased	4.263	4.403	-0.140
100	B72_Unbiased	4.016	3.838	0.178
100	B73_Unbiased	4.230	5.481	-1.251
100	B74_Unbiased	4.780	5.726	-0.946
100	B77_Unbiased	2.488	3.915	-1.427
100	B78_Unbiased	4.841	5.405	-0.564
100	B79_Unbiased	3.894	5.938	-2.044
100	B80_Unbiased	4.064	5.241	-1.177
100	C70_Unbiased	2.356	4.686	-2.330
100	C71_Unbiased	1.975	4.616	-2.641
100	C72_Unbiased	3.425	5.166	-1.741
100	C73_Unbiased	2.503	4.761	-2.258
100	C75_Unbiased	4.170	4.376	-0.206
100	C76_Unbiased	5.042	5.676	-0.634
100	C79_Unbiased	4.629	4.129	0.500
	Max	6.808	6.995	0.812
	Average	4.609	5.284	-0.675
	Min	1.669	3.578	-2.738
	Std Dev	1.105	0.756	0.861

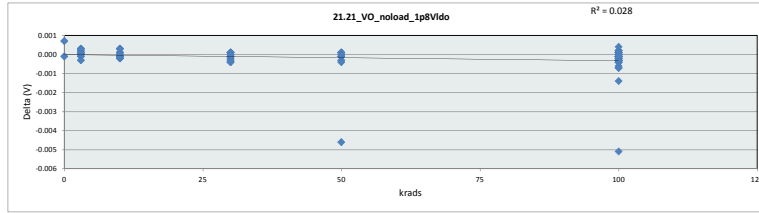


21_20_VO_LoadRegrsr1A_1p5Vtc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	5.061	4.640	4.553	3.929	3.578	3.799
Average	5.402	5.522	5.421	5.489	5.320	5.139
Max	7.743	6.581	6.852	6.781	6.403	6.995
UL	200.000	200.000	200.000	200.000	200.000	200.000

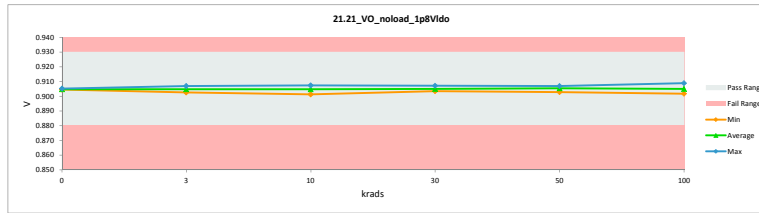


TID 100krad HDR Report
TPS7H3301-SP

21_21_VO_noload_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.93	0.93		
Min Limit	0.88	0.88		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.905	0.905	0.001
3	A116_Biased	0.905	0.905	0.000
3	A117_Biased	0.904	0.904	0.000
3	B36_Biased	0.905	0.905	0.000
3	B37_Biased	0.905	0.905	0.000
3	C39_Biased	0.905	0.904	0.000
3	A118_Unbiased	0.907	0.907	0.000
3	A140_Unbiased	0.905	0.905	0.000
3	B38_Unbiased	0.906	0.906	0.000
3	B39_Unbiased	0.902	0.902	0.000
3	C40_Unbiased	0.904	0.903	0.000
10	A119_Biased	0.905	0.905	0.000
10	A120_Biased	0.907	0.907	0.000
10	B40_Biased	0.904	0.904	0.000
10	C41_Biased	0.905	0.905	0.000
10	C42_Biased	0.907	0.907	0.000
10	A121_Unbiased	0.904	0.904	0.000
10	A124_Unbiased	0.901	0.901	0.000
10	B41_Unbiased	0.907	0.907	0.000
10	C43_Unbiased	0.903	0.903	0.000
10	C44_Unbiased	0.904	0.904	0.000
30	A125_Biased	0.905	0.905	0.000
30	B42_Biased	0.903	0.903	0.000
30	B43_Biased	0.905	0.905	0.000
30	C45_Biased	0.907	0.907	0.000
30	C46_Biased	0.904	0.904	0.000
30	A127_Unbiased	0.905	0.905	0.000
30	B45_Unbiased	0.903	0.903	0.000
30	B47_Unbiased	0.907	0.907	0.000
30	C47_Unbiased	0.905	0.904	0.000
30	C50_Unbiased	0.905	0.905	0.000
50	A128_Biased	0.906	0.906	0.000
50	A129_Biased	0.907	0.907	0.000
50	B48_Biased	0.904	0.904	0.000
50	B49_Biased	0.905	0.906	0.000
50	C51_Biased	0.907	0.907	0.000
50	A130_Unbiased	0.903	0.903	0.000
50	A131_Unbiased	0.905	0.905	0.000
50	B50_Unbiased	0.905	0.905	0.000
50	B51_Unbiased	0.902	0.906	-0.005
50	C53_Unbiased	0.905	0.905	0.000
0	106_Corr	0.905	0.905	0.000
100	A132_Biased	0.905	0.906	-0.001
100	A134_Biased	0.903	0.904	-0.001
100	A135_Biased	0.905	0.905	0.000
100	B52_Biased	0.902	0.902	0.000
100	B54_Biased	0.904	0.904	0.000
100	B55_Biased	0.905	0.905	-0.001
100	B56_Biased	0.906	0.907	0.000
100	B57_Biased	0.907	0.907	0.000
100	B59_Biased	0.903	0.903	0.000
100	B62_Biased	0.906	0.906	0.000
100	B63_Biased	0.905	0.905	0.000
100	B64_Biased	0.907	0.907	0.000
100	B66_Biased	0.905	0.905	0.000
100	B68_Biased	0.905	0.905	0.000
100	C54_Biased	0.904	0.904	0.000
100	C55_Biased	0.904	0.904	0.000
100	C56_Biased	0.906	0.906	0.000
100	C57_Biased	0.905	0.905	0.000
100	C58_Biased	0.904	0.904	0.000
100	C59_Biased	0.906	0.906	0.000
100	C65_Biased	0.904	0.905	0.000
100	C67_Biased	0.906	0.906	0.000
100	A122_Unbiased	0.906	0.907	0.000
100	A138_Unbiased	0.906	0.906	0.000
100	A139_Unbiased	0.905	0.905	0.000
100	B60_Unbiased	0.904	0.909	-0.005
100	B61_Unbiased	0.905	0.906	-0.001
100	B69_Unbiased	0.904	0.904	0.000
100	B70_Unbiased	0.905	0.905	0.000
100	B71_Unbiased	0.904	0.904	0.000
100	B72_Unbiased	0.905	0.905	0.000
100	B73_Unbiased	0.903	0.903	0.000
100	B74_Unbiased	0.902	0.902	0.000
100	B77_Unbiased	0.905	0.905	0.000
100	B78_Unbiased	0.904	0.904	0.000
100	B79_Unbiased	0.904	0.904	0.000
100	B80_Unbiased	0.904	0.904	0.000
100	C70_Unbiased	0.902	0.902	0.000
100	C71_Unbiased	0.905	0.905	0.000
100	C72_Unbiased	0.905	0.905	0.000
100	C73_Unbiased	0.904	0.904	0.000
100	C75_Unbiased	0.905	0.905	0.000
100	C76_Unbiased	0.908	0.908	0.000
100	C79_Unbiased	0.906	0.906	0.000
	Max	0.908	0.909	0.001
	Average	0.905	0.905	0.000
	Min	0.901	0.901	-0.005
	Std Dev	0.001	0.001	0.001

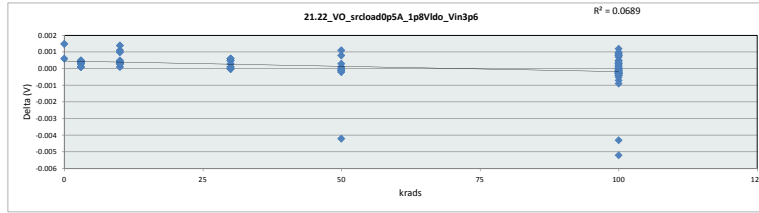


21_21_VO_noload_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.93	V				
Min Limit	0.88	V				
krads	LL	3	10	30	50	100
LL	0.880	0.880	0.880	0.880	0.880	0.880
Min	0.905	0.903	0.901	0.903	0.903	0.902
Average	0.905	0.905	0.905	0.905	0.905	0.905
Max	0.905	0.907	0.907	0.907	0.907	0.909
UL	0.930	0.930	0.930	0.930	0.930	0.930

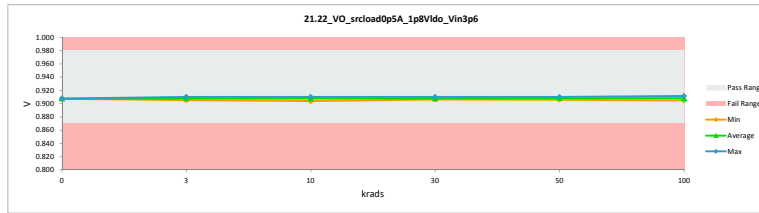


TID 100krad HDR Report
TPS7H3301-SP

21_22_VO_srcload0p5A_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.98	0.98		
Min Limit	0.87	0.87		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.909	0.907	0.002
3	A116_Biased	0.909	0.909	0.000
3	A117_Biased	0.907	0.907	0.000
3	B36_Biased	0.908	0.907	0.000
3	B37_Biased	0.908	0.908	0.000
3	C39_Biased	0.908	0.907	0.000
3	A118_Unbiased	0.910	0.910	0.000
3	A140_Unbiased	0.909	0.909	0.000
3	B38_Unbiased	0.909	0.909	0.000
3	B39_Unbiased	0.906	0.905	0.001
3	C40_Unbiased	0.907	0.906	0.000
10	A119_Biased	0.909	0.909	0.000
10	A120_Biased	0.910	0.910	0.000
10	B40_Biased	0.907	0.907	0.000
10	C41_Biased	0.909	0.908	0.000
10	C42_Biased	0.911	0.910	0.001
10	A121_Unbiased	0.907	0.907	0.000
10	A124_Unbiased	0.904	0.904	0.000
10	B41_Unbiased	0.910	0.910	0.000
10	C43_Unbiased	0.908	0.906	0.001
10	C44_Unbiased	0.908	0.907	0.001
30	A125_Biased	0.908	0.908	0.000
30	B42_Biased	0.907	0.907	0.000
30	B43_Biased	0.908	0.907	0.001
30	C45_Biased	0.910	0.910	0.000
30	C46_Biased	0.907	0.907	0.000
30	A127_Unbiased	0.908	0.908	0.000
30	B45_Unbiased	0.907	0.907	0.000
30	B47_Unbiased	0.910	0.910	0.000
30	C47_Unbiased	0.908	0.907	0.000
30	C50_Unbiased	0.908	0.908	0.000
50	A128_Biased	0.909	0.909	0.000
50	A129_Biased	0.910	0.910	0.000
50	B48_Biased	0.907	0.907	0.000
50	B49_Biased	0.909	0.909	0.000
50	C51_Biased	0.911	0.910	0.001
50	A130_Unbiased	0.906	0.906	0.000
50	A131_Unbiased	0.907	0.907	0.000
50	B50_Unbiased	0.908	0.908	0.000
50	B51_Unbiased	0.905	-0.004	
50	C53_Unbiased	0.909	0.908	0.001
0	106_Corr	0.908	0.908	0.001
100	A132_Biased	0.909	0.909	0.000
100	A134_Biased	0.906	0.911	-0.005
100	A135_Biased	0.908	0.908	0.000
100	B52_Biased	0.905	0.905	0.000
100	B54_Biased	0.907	0.907	0.000
100	B55_Biased	0.908	0.908	0.000
100	B56_Biased	0.910	0.910	0.000
100	B57_Biased	0.910	0.910	0.000
100	B59_Biased	0.906	0.906	0.000
100	B62_Biased	0.909	0.909	0.000
100	B63_Biased	0.909	0.908	0.000
100	B64_Biased	0.911	0.910	0.001
100	B66_Biased	0.909	0.908	0.001
100	B68_Biased	0.909	0.909	0.000
100	C54_Biased	0.908	0.907	0.001
100	C55_Biased	0.907	0.908	0.000
100	C56_Biased	0.910	0.910	-0.001
100	C57_Biased	0.908	0.908	0.000
100	C58_Biased	0.908	0.908	-0.001
100	C59_Biased	0.909	0.909	0.000
100	C65_Biased	0.907	0.908	0.000
100	C67_Biased	0.909	0.909	0.000
100	A122_Unbiased	0.909	0.910	0.000
100	A138_Unbiased	0.909	0.909	0.000
100	A139_Unbiased	0.908	0.908	0.000
100	B60_Unbiased	0.907	0.912	-0.004
100	B61_Unbiased	0.908	0.909	-0.001
100	B69_Unbiased	0.907	0.907	0.000
100	B70_Unbiased	0.908	0.908	0.000
100	B71_Unbiased	0.907	0.907	0.000
100	B72_Unbiased	0.908	0.908	0.000
100	B73_Unbiased	0.907	0.906	0.001
100	B74_Unbiased	0.906	0.905	0.001
100	B77_Unbiased	0.908	0.907	0.001
100	B78_Unbiased	0.907	0.908	0.000
100	B79_Unbiased	0.908	0.907	0.000
100	B80_Unbiased	0.907	0.907	0.000
100	C70_Unbiased	0.907	0.906	0.001
100	C71_Unbiased	0.909	0.909	0.000
100	C72_Unbiased	0.908	0.908	0.000
100	C73_Unbiased	0.908	0.907	0.001
100	C75_Unbiased	0.908	0.908	0.000
100	C76_Unbiased	0.911	0.911	0.000
100	C79_Unbiased	0.910	0.910	0.000
	Max	0.911	0.912	0.002
	Average	0.908	0.908	0.000
	Min	0.904	0.904	-0.005
	Std Dev	0.001	0.001	0.001

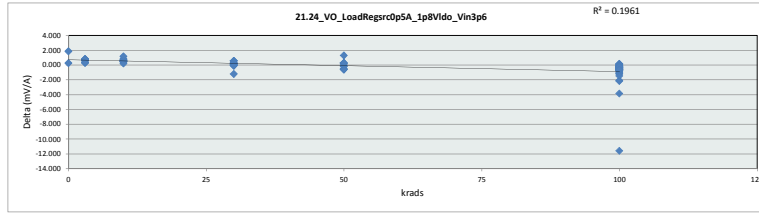


21_22_VO_srcload0p5A_1p8VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.98 V					
Min Limit	0.87 V					
krads	0	3	10	30	50	100
LL	0.870	0.870	0.870	0.870	0.870	0.870
Min	0.907	0.906	0.904	0.907	0.906	0.905
Average	0.908	0.908	0.908	0.908	0.908	0.908
Max	0.908	0.910	0.910	0.910	0.910	0.912
UL	0.980	0.980	0.980	0.980	0.980	0.980

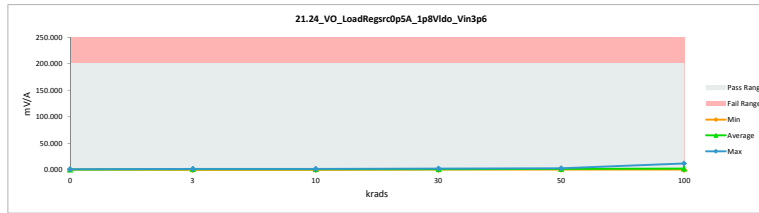


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21_24_VO_LoadRegrOp5A_1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.469	0.596	1.873
3	A116_Biased	2.523	1.703	0.820
3	A117_Biased	0.815	0.067	0.748
3	B36_Biased	1.408	0.679	0.729
3	B37_Biased	1.456	0.827	0.629
3	C39_Biased	1.283	0.991	0.292
3	A118_Unbiased	1.886	1.100	0.786
3	A140_Unbiased	2.469	1.892	0.577
3	B38_Unbiased	1.238	0.511	0.727
3	B39_Unbiased	1.708	0.987	0.721
3	C40_Unbiased	1.532	1.245	0.287
10	A119_Biased	1.827	1.273	0.554
10	A120_Biased	1.115	0.599	0.516
10	B40_Biased	0.903	0.472	0.431
10	C41_Biased	1.453	0.750	0.703
10	C42_Biased	2.521	1.686	0.835
10	A121_Unbiased	2.380	1.739	0.641
10	A124_Unbiased	0.587	0.059	0.528
10	B41_Unbiased	2.174	1.687	0.487
10	C43_Unbiased	1.656	0.480	1.176
10	C44_Unbiased	1.048	0.826	0.222
30	A125_Biased	0.741	0.193	0.548
30	B42_Biased	0.642	0.438	0.204
30	B43_Biased	0.327	1.535	-1.208
30	C45_Biased	2.019	1.896	0.123
30	C46_Biased	2.399	1.838	0.561
30	A127_Unbiased	1.637	1.571	0.066
30	B45_Unbiased	1.649	1.529	0.120
30	B47_Unbiased	0.946	1.023	-0.077
30	C47_Unbiased	1.798	1.458	0.340
30	C50_Unbiased	2.214	2.297	-0.083
50	A128_Biased	2.105	2.706	-0.601
50	A129_Biased	2.161	2.046	0.115
50	B48_Biased	1.315	1.479	-0.164
50	B49_Biased	1.890	2.352	-0.462
50	C51_Biased	2.565	2.399	0.166
50	A130_Unbiased	1.031	0.767	0.264
50	A131_Unbiased	0.568	0.298	0.270
50	B50_Unbiased	0.774	1.361	-0.587
50	B51_Unbiased	0.889	0.609	1.280
50	C53_Unbiased	2.409	2.106	0.303
0	106_Corr	1.108	0.863	0.245
100	A132_Biased	2.776	3.118	-0.342
100	A134_Biased	0.331	11.906	-11.575
100	A135_Biased	1.437	1.728	-0.291
100	B52_Biased	1.043	1.611	-0.568
100	B54_Biased	1.701	1.743	-0.042
100	B55_Biased	0.703	0.952	-0.249
100	B56_Biased	2.233	2.751	-0.518
100	B57_Biased	2.000	2.678	-0.678
100	B59_Biased	1.118	1.517	-0.399
100	B62_Biased	1.560	1.879	-0.319
100	B63_Biased	0.780	1.233	-0.453
100	B64_Biased	1.771	1.639	0.132
100	B66_Biased	1.924	2.539	-0.615
100	B68_Biased	1.533	1.995	-0.462
100	C54_Biased	1.100	1.748	-0.648
100	C55_Biased	0.422	0.816	-0.394
100	C56_Biased	2.376	4.448	-2.072
100	C57_Biased	1.226	1.284	-0.058
100	C58_Biased	1.124	2.339	-1.215
100	C59_Biased	1.709	2.531	-0.822
100	C65_Biased	1.438	2.458	-1.018
100	C67_Biased	1.992	2.778	-0.786
100	A122_Unbiased	0.702	1.398	-0.696
100	A138_Unbiased	1.113	1.316	-0.203
100	A139_Unbiased	1.340	1.748	-0.408
100	B60_Unbiased	0.077	3.912	-3.835
100	B61_Unbiased	0.656	2.805	-2.149
100	B69_Unbiased	0.077	1.216	-1.139
100	B70_Unbiased	0.656	1.197	-0.541
100	B71_Unbiased	1.221	1.027	0.194
100	B72_Unbiased	2.380	2.633	-0.253
100	B73_Unbiased	1.381	1.290	0.091
100	B74_Unbiased	0.343	0.193	0.150
100	B77_Unbiased	1.555	1.777	-0.222
100	B78_Unbiased	1.218	1.715	-0.497
100	B79_Unbiased	0.791	1.338	-0.547
100	B80_Unbiased	0.424	0.813	-0.389
100	C70_Unbiased	1.746	1.819	-0.073
100	C71_Unbiased	1.835	2.010	-0.175
100	C72_Unbiased	1.801	2.433	-0.632
100	C73_Unbiased	2.395	2.610	-0.215
100	C75_Unbiased	0.920	1.611	-0.691
100	C76_Unbiased	2.847	3.444	-0.597
100	C78_Unbiased	3.554	4.844	-1.290
	Max	3.354	11.906	1.873
	Average	1.486	1.745	-0.259
	Min	0.077	0.059	-11.575
	Std Dev	0.705	1.443	1.466



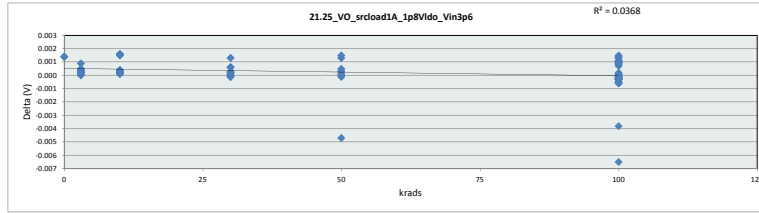
21_24_VO_LoadRegrOp5A_1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.596	0.067	0.059	0.193	0.298	0.193
Average	0.730	1.000	0.957	1.378	1.643	2.246
Max	0.863	1.892	1.739	2.297	2.709	11.906
UL	200.000	200.000	200.000	200.000	200.000	200.000



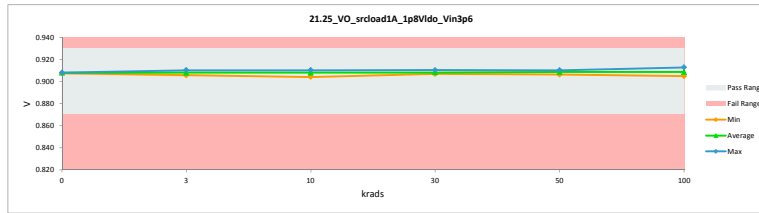
TID 100krad HDR Report
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21_25_VO_srload1A_1p8VIdo_V			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.93	0.93	
Min Limit	0.87	0.87	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.909	0.908	0.001
3	A116_Biased	0.910	0.909	0.001
3	A117_Biased	0.907	0.907	0.000
3	B36_Biased	0.908	0.908	0.000
3	B37_Biased	0.909	0.908	0.000
3	C39_Biased	0.908	0.908	0.000
3	A118_Unbiased	0.910	0.910	0.000
3	A140_Unbiased	0.909	0.909	0.001
3	B38_Unbiased	0.909	0.909	0.000
3	B39_Unbiased	0.906	0.906	0.000
3	C40_Unbiased	0.907	0.906	0.000
10	A119_Biased	0.909	0.909	0.000
10	A120_Biased	0.910	0.910	0.000
10	B40_Biased	0.907	0.907	0.000
10	C41_Biased	0.909	0.909	0.000
10	C42_Biased	0.912	0.910	0.002
10	A121_Unbiased	0.907	0.907	0.000
10	A124_Unbiased	0.904	0.904	0.000
10	B41_Unbiased	0.910	0.910	0.000
10	C43_Unbiased	0.908	0.907	0.002
10	C44_Unbiased	0.908	0.907	0.002
30	A125_Biased	0.908	0.908	0.000
30	B42_Biased	0.907	0.907	0.000
30	B43_Biased	0.908	0.908	0.000
30	C45_Biased	0.910	0.910	0.000
30	C46_Biased	0.908	0.907	0.001
30	A127_Unbiased	0.909	0.909	0.000
30	B45_Unbiased	0.907	0.907	0.000
30	B47_Unbiased	0.910	0.910	0.000
30	C47_Unbiased	0.908	0.908	0.001
30	C50_Unbiased	0.909	0.908	0.001
50	A128_Biased	0.910	0.909	0.000
50	A129_Biased	0.910	0.910	0.000
50	B48_Biased	0.908	0.908	0.000
50	B49_Biased	0.909	0.909	0.000
50	C51_Biased	0.912	0.910	0.001
50	A130_Unbiased	0.907	0.906	0.000
50	A131_Unbiased	0.908	0.907	0.000
50	B50_Unbiased	0.908	0.908	0.000
50	B51_Unbiased	0.905	-0.005	0.001
50	C53_Unbiased	0.910	0.908	0.002
0	106_Corr	0.910	0.908	0.001
100	A132_Biased	0.909	0.909	0.000
100	A134_Biased	0.906	0.913	-0.006
100	A135_Biased	0.908	0.908	0.000
100	B52_Biased	0.905	0.905	0.000
100	B54_Biased	0.908	0.908	0.000
100	B55_Biased	0.908	0.909	-0.001
100	B56_Biased	0.910	0.910	-0.001
100	B57_Biased	0.910	0.910	0.000
100	B59_Biased	0.907	0.907	0.000
100	B62_Biased	0.909	0.909	0.000
100	B63_Biased	0.910	0.909	0.001
100	B64_Biased	0.911	0.910	0.001
100	B66_Biased	0.910	0.909	0.001
100	B68_Biased	0.910	0.909	0.001
100	C54_Biased	0.909	0.907	0.001
100	C55_Biased	0.908	0.908	0.000
100	C56_Biased	0.911	0.911	0.000
100	C57_Biased	0.908	0.908	0.000
100	C58_Biased	0.908	0.909	0.000
100	C59_Biased	0.909	0.910	0.000
100	C65_Biased	0.908	0.908	0.000
100	C67_Biased	0.909	0.910	0.000
100	A122_Unbiased	0.910	0.910	0.000
100	A138_Unbiased	0.909	0.909	0.000
100	A139_Unbiased	0.908	0.908	0.000
100	B60_Unbiased	0.908	0.912	-0.004
100	B61_Unbiased	0.909	0.909	0.000
100	B69_Unbiased	0.908	0.908	0.001
100	B70_Unbiased	0.909	0.908	0.001
100	B71_Unbiased	0.907	0.907	0.000
100	B72_Unbiased	0.908	0.908	-0.001
100	B73_Unbiased	0.908	0.907	0.001
100	B74_Unbiased	0.907	0.906	0.001
100	B77_Unbiased	0.909	0.908	0.001
100	B78_Unbiased	0.908	0.908	0.000
100	B79_Unbiased	0.908	0.907	0.001
100	B80_Unbiased	0.907	0.907	0.000
100	C70_Unbiased	0.907	0.906	0.002
100	C71_Unbiased	0.910	0.909	0.001
100	C72_Unbiased	0.909	0.908	0.001
100	C73_Unbiased	0.909	0.908	0.001
100	C75_Unbiased	0.909	0.909	0.000
100	C76_Unbiased	0.911	0.911	0.000
100	C79_Unbiased	0.910	0.910	0.000
	Max	0.912	0.913	0.002
	Average	0.909	0.908	0.000
	Min	0.904	0.904	-0.006
	Std Dev	0.001	0.002	0.001

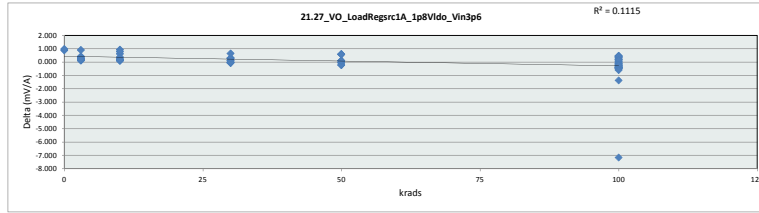


21_25_VO_srload1A_1p8VIdo_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.93 V					
Min Limit	0.87 V					
krads	0	3	10	30	50	100
LL	0.870	0.870	0.870	0.870	0.870	0.870
Min	0.908	0.906	0.904	0.907	0.906	0.905
Average	0.908	0.908	0.908	0.908	0.909	0.909
Max	0.908	0.910	0.910	0.910	0.910	0.913
UL	0.930	0.930	0.930	0.930	0.930	0.930

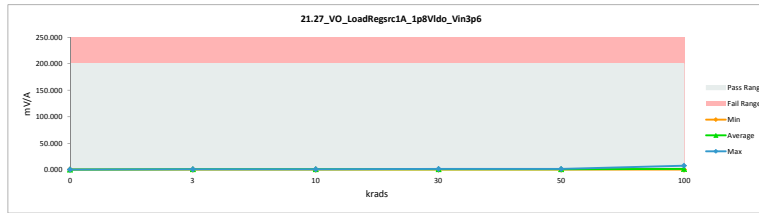


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21_27_VO_LoadRegrsc1A_1p8Vtc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.576	0.703	0.873
3	A116_Biased	2.096	1.195	0.901
3	A117_Biased	0.622	0.479	0.143
3	B36_Biased	0.953	0.789	0.164
3	B37_Biased	0.977	0.784	0.193
3	C39_Biased	0.928	0.820	0.108
3	A118_Unbiased	1.014	0.765	0.249
3	A140_Unbiased	1.576	1.139	0.437
3	B38_Unbiased	0.976	0.623	0.353
3	B39_Unbiased	1.068	0.810	0.258
3	C40_Unbiased	0.878	0.662	0.216
10	A119_Biased	1.027	0.927	0.100
10	A120_Biased	0.862	0.712	0.150
10	B40_Biased	0.708	0.537	0.171
10	C41_Biased	1.292	1.054	0.238
10	C42_Biased	1.941	1.006	0.935
10	A121_Unbiased	1.153	1.186	0.367
10	A124_Unbiased	0.489	0.308	0.181
10	B41_Unbiased	1.348	1.157	0.191
10	C43_Unbiased	1.301	0.684	0.617
10	C44_Unbiased	1.448	0.657	0.791
30	A125_Biased	0.658	0.377	0.281
30	B42_Biased	0.716	0.592	0.124
30	B43_Biased	0.399	0.433	-0.034
30	C45_Biased	1.349	1.438	-0.089
30	C46_Biased	1.597	1.282	0.315
30	A127_Unbiased	1.035	1.060	-0.025
30	B45_Unbiased	1.098	0.964	0.134
30	B47_Unbiased	0.868	0.880	-0.012
30	C47_Unbiased	1.357	1.066	0.291
30	C50_Unbiased	2.134	1.485	0.649
50	A128_Biased	1.329	1.250	0.079
50	A129_Biased	1.232	1.285	-0.053
50	B48_Biased	1.092	1.138	-0.046
50	B49_Biased	1.307	1.529	-0.222
50	C51_Biased	2.307	1.719	0.588
50	A130_Unbiased	1.227	0.643	0.584
50	A131_Unbiased	0.611	0.493	0.118
50	B50_Unbiased	0.924	1.157	-0.233
50	B51_Unbiased	0.833	0.738	0.095
50	C53_Unbiased	2.081	1.517	0.564
0	106_Corr	1.696	0.726	0.970
100	A132_Biased	1.683	2.008	-0.325
100	A134_Biased	0.451	7.622	-7.171
100	A135_Biased	0.888	1.196	-0.308
100	B52_Biased	0.838	1.046	-0.208
100	B54_Biased	1.219	1.445	-0.226
100	B55_Biased	0.713	1.110	-0.397
100	B56_Biased	1.328	1.765	-0.437
100	B57_Biased	1.351	1.799	-0.448
100	B59_Biased	1.090	1.173	-0.083
100	B62_Biased	1.317	1.271	0.046
100	B63_Biased	1.462	1.007	0.455
100	B64_Biased	1.549	1.303	0.246
100	B66_Biased	1.743	1.661	0.082
100	B68_Biased	1.800	1.407	0.393
100	C54_Biased	1.510	1.323	0.187
100	C55_Biased	0.658	0.766	-0.108
100	C56_Biased	2.182	2.461	-0.279
100	C57_Biased	1.111	1.039	0.072
100	C58_Biased	1.062	1.528	-0.466
100	C59_Biased	1.330	1.826	-0.496
100	C65_Biased	1.275	1.678	-0.443
100	C67_Biased	1.468	1.862	-0.394
100	A122_Unbiased	0.699	1.150	-0.451
100	A138_Unbiased	0.736	1.117	-0.381
100	A139_Unbiased	0.868	1.224	-0.356
100	B60_Unbiased	1.128	2.499	-1.371
100	B61_Unbiased	1.483	1.891	-0.408
100	B69_Unbiased	1.128	1.169	-0.041
100	B70_Unbiased	1.483	1.000	0.483
100	B71_Unbiased	0.666	0.966	-0.296
100	B72_Unbiased	1.270	1.797	-0.527
100	B73_Unbiased	1.605	1.359	0.246
100	B74_Unbiased	0.790	0.424	0.366
100	B77_Unbiased	1.630	1.272	0.358
100	B78_Unbiased	0.983	1.092	-0.109
100	B79_Unbiased	1.419	1.051	0.368
100	B80_Unbiased	0.601	0.761	-0.160
100	C70_Unbiased	1.434	1.215	0.219
100	C71_Unbiased	1.852	1.406	0.446
100	C72_Unbiased	1.955	1.509	0.446
100	C73_Unbiased	1.750	1.577	0.173
100	C75_Unbiased	1.055	1.295	-0.240
100	C76_Unbiased	1.910	2.139	-0.229
100	C78_Unbiased	0.857	2.657	-0.652
	Max	2.307	7.622	0.970
	Average	1.244	1.252	-0.008
	Min	0.399	0.308	-7.171
	Std Dev	0.445	0.845	0.877

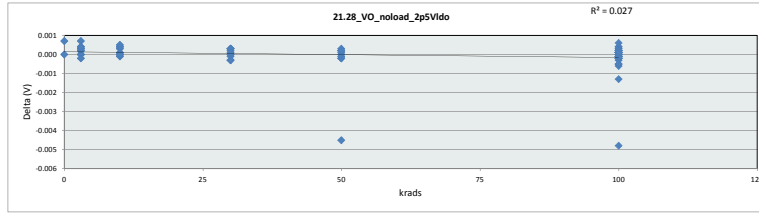


21_27_VO_LoadRegrsc1A_1p8Vtc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	LL	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.703	0.479	0.308	0.377	0.493	0.424
Average	0.715	0.807	0.823	0.958	1.147	1.565
Max	0.726	1.195	1.186	1.485	1.719	7.622
UL	200.000	200.000	200.000	200.000	200.000	200.000

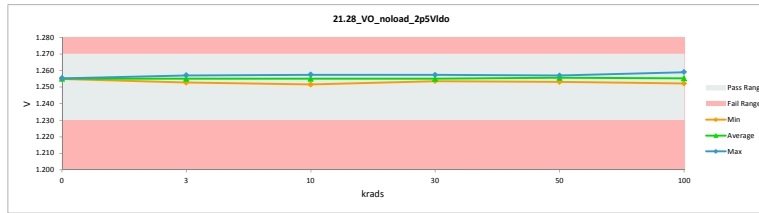


TID 100krad HDR Report
TPS7H3301-SP

21.28_VO_noload_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.27	1.27		
Min Limit	1.23	1.23		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.255	1.255	0.001
3	A116_Biased	1.256	1.256	0.001
3	A117_Biased	1.255	1.255	0.000
3	B36_Biased	1.255	1.255	0.000
3	B37_Biased	1.255	1.255	0.000
3	C39_Biased	1.255	1.254	0.000
3	A118_Unbiased	1.257	1.257	0.000
3	A140_Unbiased	1.255	1.255	0.000
3	B38_Unbiased	1.257	1.256	0.000
3	B39_Unbiased	1.253	1.253	0.000
3	C40_Unbiased	1.254	1.254	0.000
10	A119_Biased	1.256	1.256	0.000
10	A120_Biased	1.257	1.257	0.000
10	B40_Biased	1.254	1.254	0.000
10	C41_Biased	1.256	1.255	0.000
10	C42_Biased	1.258	1.258	0.000
10	A121_Unbiased	1.254	1.254	0.000
10	A124_Unbiased	1.252	1.252	0.000
10	B41_Unbiased	1.257	1.257	0.000
10	C43_Unbiased	1.253	1.253	0.000
10	C44_Unbiased	1.255	1.254	0.000
30	A125_Biased	1.255	1.255	0.000
30	B42_Biased	1.254	1.254	0.000
30	B43_Biased	1.255	1.255	0.000
30	C45_Biased	1.257	1.257	0.000
30	C46_Biased	1.254	1.254	0.000
30	A127_Unbiased	1.255	1.255	0.000
30	B45_Unbiased	1.253	1.254	0.000
30	B47_Unbiased	1.258	1.257	0.000
30	C47_Unbiased	1.255	1.255	0.000
30	C50_Unbiased	1.255	1.255	0.000
50	A128_Biased	1.257	1.257	0.000
50	A129_Biased	1.257	1.257	0.000
50	B48_Biased	1.254	1.254	0.000
50	B49_Biased	1.256	1.256	0.000
50	C51_Biased	1.257	1.257	0.000
50	A130_Unbiased	1.253	1.253	0.000
50	A131_Unbiased	1.255	1.255	0.000
50	B50_Unbiased	1.255	1.255	0.000
50	B51_Unbiased	1.252	1.252	-0.005
50	C53_Unbiased	1.256	1.255	0.000
0	106_Corr	1.255	1.255	0.000
100	A132_Biased	1.255	1.256	-0.001
100	A134_Biased	1.253	1.254	-0.001
100	A135_Biased	1.255	1.255	0.000
100	B52_Biased	1.252	1.252	0.000
100	B54_Biased	1.254	1.254	0.000
100	B55_Biased	1.255	1.256	0.000
100	B56_Biased	1.257	1.257	0.000
100	B57_Biased	1.257	1.258	0.000
100	B59_Biased	1.253	1.253	0.000
100	B62_Biased	1.256	1.256	0.000
100	B63_Biased	1.255	1.255	0.000
100	B64_Biased	1.257	1.257	0.000
100	B66_Biased	1.255	1.255	0.000
100	B68_Biased	1.255	1.255	0.000
100	C54_Biased	1.254	1.254	0.000
100	C55_Biased	1.255	1.255	0.000
100	C56_Biased	1.257	1.257	0.000
100	C57_Biased	1.255	1.255	0.000
100	C58_Biased	1.255	1.255	0.000
100	C59_Biased	1.256	1.256	0.000
100	C65_Biased	1.255	1.255	0.000
100	C67_Biased	1.256	1.256	0.000
100	A122_Unbiased	1.257	1.257	0.000
100	A138_Unbiased	1.256	1.256	0.000
100	A139_Unbiased	1.255	1.255	0.000
100	B60_Unbiased	1.254	1.259	-0.005
100	B61_Unbiased	1.256	1.256	0.000
100	B69_Unbiased	1.254	1.254	0.000
100	B70_Unbiased	1.256	1.255	0.000
100	B71_Unbiased	1.254	1.254	0.000
100	B72_Unbiased	1.255	1.255	0.000
100	B73_Unbiased	1.253	1.253	0.000
100	B74_Unbiased	1.253	1.253	0.000
100	B77_Unbiased	1.255	1.255	0.000
100	B78_Unbiased	1.255	1.255	0.000
100	B79_Unbiased	1.254	1.254	0.000
100	B80_Unbiased	1.255	1.254	0.001
100	C70_Unbiased	1.253	1.252	0.000
100	C71_Unbiased	1.256	1.256	0.000
100	C72_Unbiased	1.255	1.255	0.000
100	C73_Unbiased	1.254	1.254	0.000
100	C75_Unbiased	1.255	1.255	0.000
100	C76_Unbiased	1.258	1.258	0.000
100	C79_Unbiased	1.257	1.257	0.000
	Max	1.258	1.259	0.001
	Average	1.255	1.255	0.000
	Min	1.252	1.252	-0.005
	Std Dev	0.001	0.001	0.001

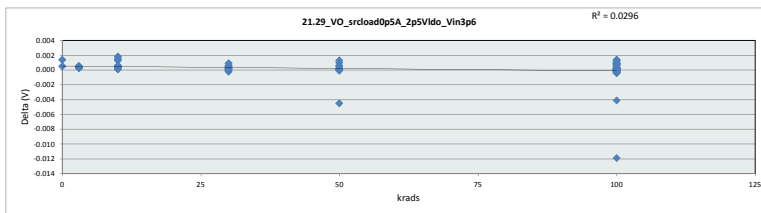


21.28_VO_noload_2p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.27	V				
Min Limit	1.23	V				
krads	0	3	10	30	50	100
LL	1.230	1.230	1.230	1.230	1.230	1.230
Min	1.255	1.253	1.252	1.254	1.253	1.252
Average	1.255	1.255	1.255	1.255	1.256	1.255
Max	1.255	1.257	1.258	1.257	1.257	1.259
UL	1.270	1.270	1.270	1.270	1.270	1.270

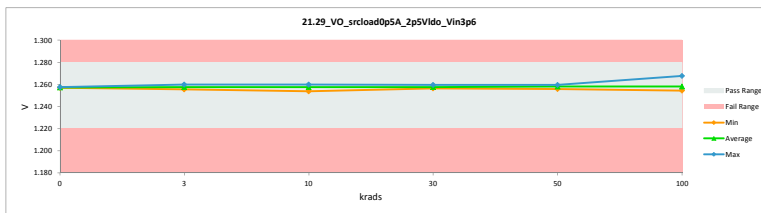


TID 100krad HDR Report
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21_29_VO_srload0p5A_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.28	1.28		
Min Limit	1.22	1.22		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.258	1.257	0.001
3	A116_Biased	1.259	1.258	0.001
3	A117_Biased	1.257	1.257	0.000
3	B36_Biased	1.258	1.257	0.000
3	B37_Biased	1.258	1.258	0.000
3	C39_Biased	1.257	1.257	0.000
3	A118_Unbiased	1.260	1.260	0.000
3	A140_Unbiased	1.258	1.258	0.000
3	B38_Unbiased	1.259	1.259	0.000
3	B39_Unbiased	1.256	1.255	0.001
3	C40_Unbiased	1.256	1.256	0.000
10	A119_Biased	1.259	1.258	0.000
10	A120_Biased	1.260	1.260	0.000
10	B40_Biased	1.257	1.257	0.000
10	C41_Biased	1.258	1.258	0.000
10	C42_Biased	1.261	1.260	0.001
10	A121_Unbiased	1.257	1.257	0.000
10	A124_Unbiased	1.254	1.254	0.001
10	B41_Unbiased	1.260	1.260	0.000
10	C43_Unbiased	1.258	1.256	0.002
10	C44_Unbiased	1.258	1.256	0.002
30	A125_Biased	1.257	1.257	0.000
30	B42_Biased	1.256	1.256	0.000
30	B43_Biased	1.258	1.258	0.000
30	C45_Biased	1.260	1.260	0.000
30	C46_Biased	1.257	1.257	0.000
30	A127_Unbiased	1.258	1.258	0.000
30	B45_Unbiased	1.257	1.257	0.000
30	B47_Unbiased	1.260	1.260	0.000
30	C47_Unbiased	1.258	1.257	0.001
30	C50_Unbiased	1.258	1.257	0.001
50	A128_Biased	1.259	1.259	0.000
50	A129_Biased	1.260	1.260	0.000
50	B48_Biased	1.257	1.257	0.000
50	B49_Biased	1.259	1.259	0.000
50	C51_Biased	1.261	1.260	0.001
50	A130_Unbiased	1.256	1.256	0.000
50	A131_Unbiased	1.258	1.257	0.001
50	B50_Unbiased	1.258	1.258	0.000
50	B51_Unbiased	1.255	1.259	-0.004
50	C53_Unbiased	1.259	1.258	0.001
0	106_Corr	1.258	1.258	0.001
100	A132_Biased	1.259	1.258	0.000
100	A134_Biased	1.256	1.268	-0.012
100	A135_Biased	1.258	1.258	0.000
100	B52_Biased	1.255	1.255	0.000
100	B54_Biased	1.257	1.257	0.000
100	B55_Biased	1.258	1.258	0.000
100	B56_Biased	1.259	1.260	0.000
100	B57_Biased	1.260	1.260	0.000
100	B59_Biased	1.256	1.256	0.000
100	B62_Biased	1.258	1.258	0.000
100	B63_Biased	1.259	1.258	0.001
100	B64_Biased	1.260	1.259	0.001
100	B66_Biased	1.259	1.258	0.001
100	B68_Biased	1.258	1.258	0.000
100	C54_Biased	1.258	1.257	0.001
100	C55_Biased	1.257	1.257	0.000
100	C56_Biased	1.260	1.260	0.000
100	C57_Biased	1.258	1.258	0.000
100	C58_Biased	1.258	1.257	0.000
100	C59_Biased	1.259	1.258	0.000
100	C65_Biased	1.257	1.258	0.000
100	C67_Biased	1.258	1.259	0.000
100	A122_Unbiased	1.259	1.259	0.000
100	A138_Unbiased	1.258	1.259	0.000
100	A139_Unbiased	1.258	1.258	0.000
100	B60_Unbiased	1.257	1.262	-0.004
100	B61_Unbiased	1.258	1.259	0.000
100	B69_Unbiased	1.257	1.257	0.000
100	B70_Unbiased	1.258	1.258	0.001
100	B71_Unbiased	1.257	1.257	0.000
100	B72_Unbiased	1.257	1.258	0.000
100	B73_Unbiased	1.257	1.256	0.001
100	B74_Unbiased	1.256	1.255	0.001
100	B77_Unbiased	1.258	1.257	0.001
100	B78_Unbiased	1.257	1.257	0.000
100	B79_Unbiased	1.258	1.257	0.001
100	B80_Unbiased	1.257	1.257	0.000
100	C70_Unbiased	1.257	1.255	0.001
100	C71_Unbiased	1.258	1.259	0.001
100	C72_Unbiased	1.258	1.258	0.001
100	C73_Unbiased	1.258	1.257	0.001
100	C75_Unbiased	1.258	1.258	0.000
100	C76_Unbiased	1.261	1.261	0.000
100	C79_Unbiased	1.260	1.260	0.000
	Max	1.261	1.268	0.002
	Average	1.258	1.258	0.000
	Min	1.254	1.254	-0.012
	Std Dev	0.001	0.002	0.002

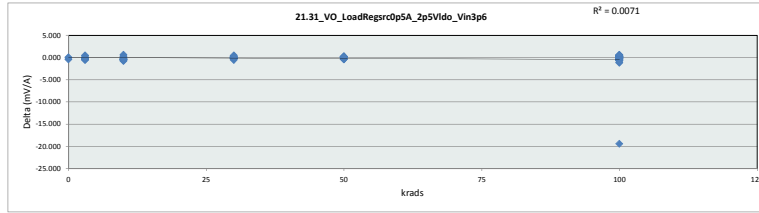


21_29_VO_srload0p5A_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.28	V				
Min Limit	1.22	V				
krads	0	3	10	30	50	100
LL	1.220	1.220	1.220	1.220	1.220	1.220
Min	1.257	1.255	1.254	1.256	1.256	1.255
Average	1.257	1.258	1.257	1.258	1.258	1.258
Max	1.258	1.260	1.260	1.260	1.260	1.268
UL	1.280	1.280	1.280	1.280	1.280	1.280

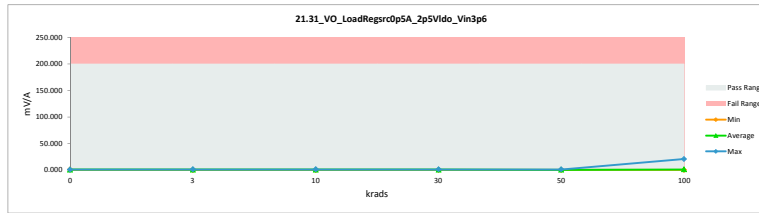


TID 100krad HDR Report
TPS7H3301-SP

21_31_VO_LoadRegrcOp5A_2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.306	0.686	-0.380
3	A116_Biased	0.692	0.202	0.490
3	A117_Biased	0.531	1.023	-0.492
3	B36_Biased	0.297	0.692	-0.395
3	B37_Biased	0.524	0.770	-0.246
3	C39_Biased	0.253	0.621	-0.368
3	A118_Unbiased	0.155	0.157	-0.002
3	A140_Unbiased	0.206	0.242	0.044
3	B38_Unbiased	0.081	0.255	-0.174
3	B39_Unbiased	0.214	0.179	0.035
3	C40_Unbiased	0.248	0.520	-0.272
10	A119_Biased	0.067	0.328	-0.261
10	A120_Biased	0.196	0.419	-0.419
10	B40_Biased	0.319	0.702	-0.383
10	C41_Biased	0.063	0.332	-0.269
10	C42_Biased	0.659	0.033	0.626
10	A121_Unbiased	0.573	0.272	0.301
10	A124_Unbiased	0.422	1.028	-0.606
10	B41_Unbiased	0.049	0.120	-0.071
10	C43_Unbiased	0.115	0.836	-0.721
10	C44_Unbiased	0.177	0.521	-0.344
30	A125_Biased	0.539	1.019	-0.480
30	B42_Biased	1.278	0.757	0.521
30	B43_Biased	0.863	1.055	-0.192
30	C45_Biased	0.264	0.370	-0.106
30	C46_Biased	0.541	0.438	0.103
30	A127_Unbiased	0.053	0.249	-0.189
30	B45_Unbiased	0.108	0.038	0.070
30	B47_Unbiased	0.303	0.071	0.232
30	C47_Unbiased	0.265	0.373	-0.108
30	C50_Unbiased	0.625	0.633	-0.008
50	A128_Biased	0.505	0.192	0.313
50	A129_Biased	0.292	0.298	-0.006
50	B48_Biased	0.207	0.080	0.127
50	B49_Biased	0.189	0.569	-0.380
50	C51_Biased	0.873	0.961	-0.088
50	A130_Unbiased	0.503	0.500	0.003
50	A131_Unbiased	0.462	0.815	-0.353
50	B50_Unbiased	0.326	0.057	0.269
50	B51_Unbiased	0.497	0.012	0.485
50	C53_Biased	0.869	0.645	0.224
0	106_Corr	0.428	0.345	0.083
100	A132_Biased	1.204	0.812	0.392
100	A134_Biased	1.139	20.542	-19.403
100	A135_Biased	0.223	0.022	0.211
100	B52_Biased	0.331	0.000	0.331
100	B54_Biased	0.233	0.159	0.074
100	B55_Biased	0.380	0.052	0.328
100	B56_Biased	0.401	0.762	-0.361
100	B57_Biased	0.530	0.853	-0.323
100	B59_Biased	0.578	0.598	-0.020
100	B62_Biased	0.429	0.103	0.326
100	B63_Biased	0.554	0.426	0.128
100	B64_Biased	0.382	0.129	0.253
100	B66_Biased	0.139	0.530	-0.391
100	B68_Biased	0.367	0.175	0.192
100	C54_Biased	0.105	0.357	-0.252
100	C55_Biased	1.272	0.310	0.962
100	C56_Biased	0.540	1.151	-0.611
100	C57_Biased	0.165	0.141	0.024
100	C58_Biased	0.407	0.305	0.102
100	C59_Biased	0.007	0.172	-0.165
100	C65_Biased	0.241	0.809	-0.568
100	C67_Biased	0.291	0.830	-0.539
100	A122_Unbiased	0.698	0.275	0.423
100	A138_Unbiased	0.616	0.243	0.373
100	A139_Unbiased	0.092	0.276	-0.184
100	B60_Unbiased	0.803	1.976	-1.173
100	B61_Unbiased	0.194	0.844	-0.650
100	B69_Unbiased	0.803	0.162	0.641
100	B70_Unbiased	0.194	0.154	0.040
100	B71_Unbiased	0.614	0.320	0.294
100	B72_Unbiased	0.241	0.854	-0.613
100	B73_Unbiased	0.015	0.006	0.009
100	B74_Unbiased	1.107	0.981	0.126
100	B77_Unbiased	0.069	0.207	-0.138
100	B78_Unbiased	0.206	0.017	0.189
100	B79_Unbiased	0.182	0.332	-0.150
100	B80_Unbiased	0.780	0.738	0.042
100	C70_Unbiased	0.076	0.099	-0.023
100	C71_Unbiased	0.335	0.291	-0.156
100	C72_Unbiased	0.479	0.574	-0.095
100	C73_Unbiased	0.717	0.797	-0.080
100	C75_Unbiased	0.649	0.041	0.608
100	C76_Unbiased	1.133	1.662	-0.529
100	C79_Unbiased	0.088	2.088	-0.095
	Max	1.278	20.542	0.641
	Average	0.431	0.732	-0.300
	Min	0.007	0.000	-19.403
	Std Dev	0.314	2.201	2.114

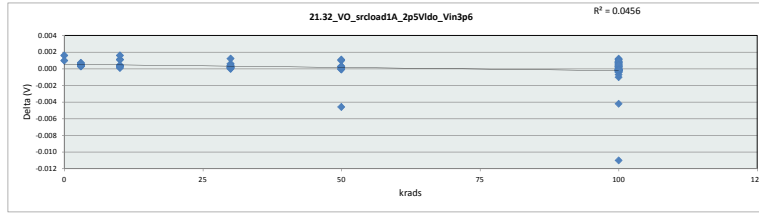


21_31_VO_LoadRegrcOp5A_2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.345	0.157	0.033	0.038	0.057	0.006
Average	0.516	0.466	0.479	0.500	0.461	0.973
Max	0.686	1.023	1.028	1.055	0.961	20.542
UL	200.000	200.000	200.000	200.000	200.000	200.000

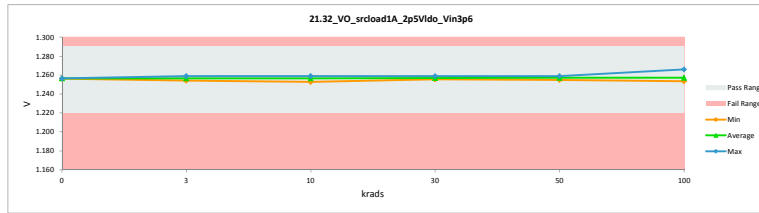


TID 100krad HDR Report
TPS7H3301-SP

21_32_VO_srcload1A_2p5VIdo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.29	1.29		
Min Limit	1.22	1.22		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.258	1.256	0.002
3	A116_Biased	1.258	1.257	0.000
3	A117_Biased	1.256	1.256	0.000
3	B36_Biased	1.257	1.256	0.000
3	B37_Biased	1.257	1.257	0.000
3	C39_Unbiased	1.257	1.256	0.000
3	A118_Unbiased	1.259	1.259	0.000
3	A140_Unbiased	1.258	1.257	0.001
3	B38_Unbiased	1.258	1.258	0.000
3	B39_Unbiased	1.255	1.254	0.001
3	C40_Unbiased	1.255	1.255	0.000
10	A119_Biased	1.258	1.258	0.000
10	A120_Biased	1.259	1.259	0.000
10	B40_Biased	1.256	1.256	0.000
10	C41_Biased	1.258	1.257	0.000
10	C42_Biased	1.260	1.259	0.001
10	A121_Unbiased	1.256	1.256	0.000
10	A124_Unbiased	1.253	1.253	0.000
10	B41_Unbiased	1.259	1.259	0.000
10	C43_Unbiased	1.256	1.255	0.001
10	C44_Unbiased	1.257	1.255	0.002
30	A125_Biased	1.257	1.256	0.000
30	B42_Biased	1.256	1.256	0.000
30	B43_Biased	1.257	1.257	0.000
30	C45_Biased	1.259	1.259	0.000
30	C46_Biased	1.256	1.256	0.001
30	A127_Unbiased	1.257	1.257	0.000
30	B45_Unbiased	1.256	1.255	0.000
30	B47_Unbiased	1.259	1.259	0.000
30	C47_Unbiased	1.257	1.257	0.000
30	C50_Unbiased	1.258	1.256	0.001
50	A128_Biased	1.258	1.258	0.000
50	A129_Biased	1.259	1.259	0.000
50	B48_Biased	1.256	1.256	0.000
50	B49_Biased	1.258	1.258	0.000
50	C51_Biased	1.260	1.259	0.001
50	A130_Unbiased	1.255	1.255	0.000
50	A131_Unbiased	1.256	1.256	0.000
50	B50_Unbiased	1.257	1.257	0.000
50	B51_Unbiased	1.254	1.258	-0.005
50	C53_Biased	1.258	1.257	0.001
0	106_Corr	1.258	1.257	0.001
100	A132_Biased	1.257	1.258	-0.001
100	A134_Biased	1.255	1.266	-0.011
100	A135_Biased	1.257	1.257	0.000
100	B52_Biased	1.253	1.254	0.000
100	B54_Biased	1.256	1.257	0.000
100	B55_Biased	1.257	1.257	0.000
100	B56_Biased	1.258	1.259	0.000
100	B57_Biased	1.259	1.259	0.000
100	B59_Biased	1.256	1.255	0.000
100	B62_Biased	1.258	1.258	0.001
100	B63_Biased	1.258	1.257	0.001
100	B64_Biased	1.259	1.259	0.000
100	B66_Biased	1.258	1.257	0.000
100	B68_Biased	1.257	1.258	0.000
100	C54_Biased	1.257	1.256	0.001
100	C55_Biased	1.257	1.257	0.000
100	C56_Biased	1.259	1.259	0.000
100	C57_Biased	1.257	1.257	0.000
100	C58_Biased	1.257	1.257	0.000
100	C59_Biased	1.258	1.258	0.000
100	C65_Biased	1.257	1.257	0.000
100	C67_Biased	1.258	1.258	0.000
100	A122_Unbiased	1.258	1.259	0.000
100	A138_Unbiased	1.258	1.258	0.000
100	A139_Unbiased	1.257	1.257	0.000
100	B60_Unbiased	1.257	1.261	-0.004
100	B61_Unbiased	1.257	1.258	-0.001
100	B69_Unbiased	1.257	1.256	0.001
100	B70_Unbiased	1.257	1.257	0.001
100	B71_Unbiased	1.256	1.256	0.000
100	B72_Unbiased	1.257	1.257	0.000
100	B73_Unbiased	1.256	1.255	0.001
100	B74_Unbiased	1.255	1.255	0.001
100	B77_Unbiased	1.257	1.256	0.001
100	B78_Unbiased	1.257	1.256	0.000
100	B79_Unbiased	1.257	1.256	0.001
100	B80_Unbiased	1.256	1.256	0.000
100	C70_Unbiased	1.255	1.254	0.001
100	C71_Unbiased	1.258	1.257	0.000
100	C72_Unbiased	1.258	1.258	0.000
100	C73_Unbiased	1.257	1.256	0.001
100	C75_Unbiased	1.257	1.257	0.000
100	C76_Unbiased	1.260	1.260	0.000
100	C79_Unbiased	1.259	1.259	0.000
	Max	1.260	1.266	0.002
	Average	1.257	1.257	0.000
	Min	1.253	1.253	-0.011
	Std Dev	0.001	0.002	0.001

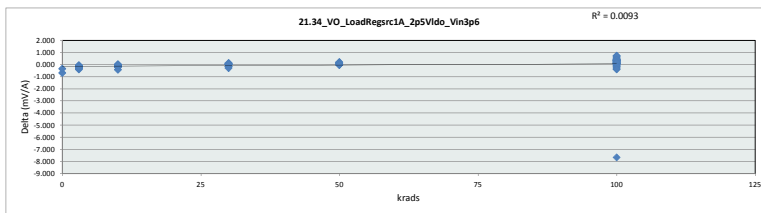


21_32_VO_srcload1A_2p5VIdo_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.29	V				
Min Limit	1.22	V				
krads	0	3	10	30	50	100
LL	1.220	1.220	1.220	1.220	1.220	1.220
Min	1.256	1.254	1.253	1.256	1.255	1.254
Average	1.256	1.257	1.257	1.257	1.257	1.257
Max	1.257	1.259	1.259	1.259	1.259	1.266
UL	1.290	1.290	1.290	1.290	1.290	1.290

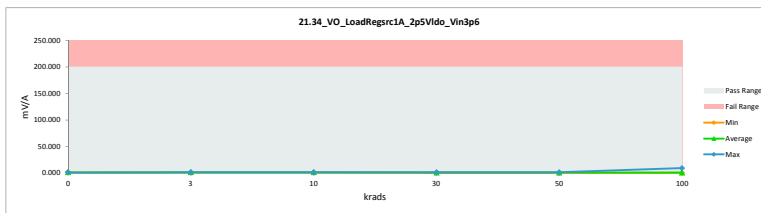


TID 100k HDR Report
TPS7H3301-SP

21_34_VO_LoadRegrsc1A_2p5Vtc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.267	0.952	-0.685
3	A116_Biased	0.463	0.598	-0.135
3	A117_Biased	1.080	1.353	-0.273
3	B36_Biased	0.862	1.057	-0.195
3	B37_Biased	0.844	0.894	-0.050
3	C39_Biased	0.658	0.846	-0.188
3	A118_Unbiased	0.692	0.858	-0.165
3	A140_Unbiased	0.267	0.651	-0.384
3	B38_Unbiased	0.784	0.863	-0.079
3	B39_Unbiased	0.810	1.119	-0.309
3	C40_Unbiased	0.780	0.996	-0.216
10	A119_Biased	0.733	0.765	-0.032
10	A120_Biased	0.958	0.966	-0.008
10	B40_Biased	0.979	1.062	-0.083
10	C41_Biased	0.710	0.700	0.010
10	C42_Biased	0.488	0.647	-0.159
10	A121_Unbiased	0.424	0.598	-0.174
10	A124_Unbiased	1.106	1.209	-0.103
10	B41_Unbiased	0.383	0.502	-0.119
10	C43_Unbiased	0.944	0.924	0.020
10	C44_Unbiased	0.637	1.095	-0.418
30	A125_Biased	1.015	1.171	-0.156
30	B42_Biased	1.054	0.984	0.070
30	B43_Biased	1.239	1.179	0.060
30	C45_Biased	0.381	0.375	0.006
30	C46_Biased	0.274	0.418	-0.144
30	A127_Unbiased	0.768	0.743	0.025
30	B45_Unbiased	0.811	0.795	0.016
30	B47_Unbiased	0.883	0.747	0.136
30	C47_Unbiased	0.550	0.484	0.066
30	C50_Unbiased	0.221	0.418	-0.297
50	A128_Biased	0.591	0.601	-0.010
50	A129_Biased	0.554	0.521	0.033
50	B48_Biased	0.807	0.634	0.173
50	B49_Biased	0.631	0.426	0.205
50	C51_Biased	0.240	0.192	0.048
50	A130_Unbiased	1.023	1.049	-0.026
50	A131_Unbiased	1.146	1.153	-0.007
50	B50_Unbiased	0.904	0.774	0.130
50	B51_Unbiased	1.077	0.947	0.130
50	C53_Unbiased	0.320	0.254	0.066
0	106_Corr	0.623	0.974	-0.351
100	A132_Biased	0.706	0.022	0.684
100	A134_Biased	1.280	8.942	-7.662
100	A135_Biased	0.892	0.660	0.332
100	B52_Biased	1.053	0.697	0.356
100	B54_Biased	0.688	0.364	0.324
100	B55_Biased	0.932	0.788	0.144
100	B56_Biased	0.518	0.257	0.261
100	B57_Biased	0.545	0.159	0.386
100	B59_Biased	0.583	0.561	0.022
100	B62_Biased	0.449	0.654	-0.205
100	B63_Biased	0.895	0.746	0.149
100	B64_Biased	0.950	0.427	0.523
100	B66_Biased	0.976	0.238	0.738
100	B68_Biased	1.032	0.409	0.623
100	C54_Biased	0.729	0.515	0.214
100	C55_Biased	1.133	0.852	0.281
100	C56_Biased	0.037	0.440	-0.403
100	C57_Biased	0.740	0.684	0.056
100	C58_Biased	0.835	0.351	0.484
100	C59_Biased	0.334	0.131	0.203
100	C65_Biased	0.285	0.288	0.003
100	C67_Biased	0.339	0.364	-0.025
100	A122_Unbiased	0.957	0.516	0.441
100	A138_Unbiased	0.971	0.588	0.383
100	A139_Unbiased	0.884	0.627	0.257
100	B60_Unbiased	0.961	0.532	0.429
100	B61_Unbiased	0.806	0.093	0.713
100	B69_Unbiased	0.961	0.820	0.141
100	B70_Unbiased	0.806	0.961	-0.155
100	B71_Unbiased	0.939	0.717	0.222
100	B72_Unbiased	0.486	0.122	0.364
100	B73_Unbiased	0.810	0.430	0.380
100	B74_Unbiased	1.161	1.061	0.100
100	B77_Unbiased	0.714	0.640	0.074
100	B78_Unbiased	0.620	0.714	-0.094
100	B79_Unbiased	0.776	0.695	0.081
100	B80_Unbiased	1.124	1.001	0.123
100	C70_Unbiased	0.905	0.557	0.348
100	C71_Unbiased	0.876	0.403	0.473
100	C72_Unbiased	0.406	0.267	0.139
100	C73_Unbiased	0.507	0.303	0.204
100	C75_Unbiased	0.722	0.996	-0.274
100	C76_Unbiased	0.053	0.164	-0.111
100	C79_Unbiased	0.039	0.408	-0.369
	Max	1.280	8.942	0.738
	Average	0.722	0.750	-0.028
	Min	0.037	0.022	-7.662
	Std Dev	0.291	0.944	0.876

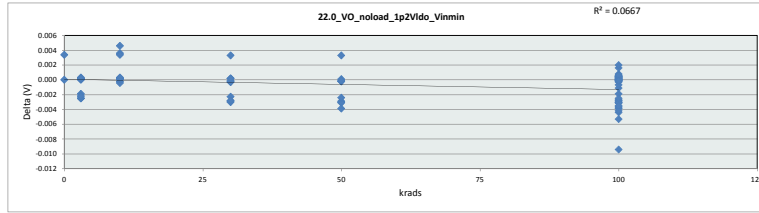


21_34_VO_LoadRegrsc1A_2p5Vtc					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	200	mV/A			
Min Limit	0	mV/A			
krads	LL	Min	Average	Max	UL
0	0.000	0.000	0.000	0.000	0.000
3	0.952	0.598	0.502	0.375	0.192
10	0.963	0.924	0.843	0.731	0.655
30	0.974	1.353	1.209	1.179	1.153
50	200.000	200.000	200.000	200.000	200.000
100	200.000	200.000	200.000	200.000	200.000

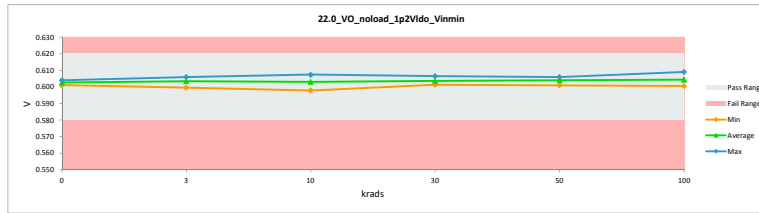


TID 100krad HDR Report
TPS7H3301-SP

22.0_VO_noload_1p2VIdo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.58	0.58		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.604	0.601	0.003
3	A116_Biased	0.604	0.604	0.000
3	A117_Biased	0.601	0.603	-0.002
3	B36_Biased	0.601	0.601	0.000
3	B37_Biased	0.602	0.604	-0.002
3	C39_Biased	0.601	0.603	-0.002
3	A118_Unbiased	0.604	0.606	-0.002
3	A140_Unbiased	0.604	0.604	0.000
3	B38_Unbiased	0.605	0.605	0.000
3	B39_Unbiased	0.600	0.600	0.000
3	C40_Unbiased	0.603	0.603	0.000
10	A119_Biased	0.604	0.604	0.000
10	A120_Biased	0.605	0.605	0.000
10	B40_Biased	0.601	0.601	0.000
10	C41_Biased	0.606	0.602	0.004
10	C42_Biased	0.607	0.607	0.000
10	A121_Unbiased	0.604	0.603	0.000
10	A124_Unbiased	0.602	0.598	0.005
10	B41_Unbiased	0.606	0.606	0.000
10	C43_Unbiased	0.603	0.603	0.000
10	C44_Unbiased	0.604	0.601	0.003
30	A125_Biased	0.601	0.604	-0.003
30	B42_Biased	0.600	0.604	-0.003
30	B43_Biased	0.602	0.602	0.000
30	C45_Biased	0.607	0.607	0.000
30	C46_Biased	0.601	0.604	-0.002
30	A127_Unbiased	0.604	0.604	0.000
30	B45_Unbiased	0.600	0.603	-0.003
30	B47_Unbiased	0.603	0.603	0.000
30	C47_Unbiased	0.605	0.601	0.003
30	C50_Unbiased	0.604	0.604	0.000
50	A128_Biased	0.603	0.606	-0.003
50	A129_Biased	0.603	0.606	-0.003
50	B48_Biased	0.603	0.603	0.000
50	B49_Biased	0.604	0.604	0.000
50	C51_Biased	0.605	0.605	0.000
50	A130_Unbiased	0.600	0.603	-0.003
50	A131_Unbiased	0.601	0.601	0.000
50	B50_Unbiased	0.602	0.604	-0.002
50	B51_Unbiased	0.602	0.606	-0.004
50	C53_Unbiased	0.605	0.602	0.003
0	106_Corr	0.604	0.604	0.000
100	A132_Biased	0.605	0.605	0.000
100	A134_Biased	0.600	0.609	-0.009
100	A135_Biased	0.601	0.605	-0.004
100	B52_Biased	0.602	0.601	0.001
100	B54_Biased	0.604	0.604	0.000
100	B55_Biased	0.602	0.605	-0.004
100	B56_Biased	0.603	0.607	-0.004
100	B57_Biased	0.606	0.605	0.000
100	B59_Biased	0.600	0.603	-0.003
100	B62_Biased	0.606	0.606	0.001
100	B63_Biased	0.605	0.605	0.000
100	B64_Biased	0.606	0.606	0.000
100	B66_Biased	0.604	0.602	0.002
100	B68_Biased	0.605	0.605	0.000
100	C54_Biased	0.604	0.604	0.000
100	C55_Biased	0.604	0.604	0.000
100	C56_Biased	0.606	0.606	0.000
100	C57_Biased	0.602	0.604	-0.003
100	C58_Biased	0.604	0.604	0.000
100	C59_Biased	0.603	0.606	-0.003
100	C65_Biased	0.605	0.605	0.000
100	C67_Biased	0.603	0.606	-0.003
100	A122_Unbiased	0.603	0.606	-0.003
100	A138_Unbiased	0.602	0.606	-0.004
100	A139_Unbiased	0.601	0.603	-0.002
100	B60_Unbiased	0.603	0.608	-0.005
100	B61_Unbiased	0.605	0.605	0.000
100	B69_Unbiased	0.603	0.603	0.000
100	B70_Unbiased	0.605	0.605	0.000
100	B71_Unbiased	0.600	0.601	-0.001
100	B72_Unbiased	0.600	0.605	-0.004
100	B73_Unbiased	0.603	0.602	0.000
100	B74_Unbiased	0.601	0.604	-0.003
100	B77_Unbiased	0.603	0.601	0.002
100	B78_Unbiased	0.601	0.604	-0.002
100	B79_Unbiased	0.604	0.604	0.000
100	B80_Unbiased	0.601	0.604	-0.003
100	C70_Unbiased	0.602	0.602	0.000
100	C71_Unbiased	0.605	0.605	0.000
100	C72_Unbiased	0.605	0.605	0.000
100	C73_Unbiased	0.604	0.604	0.000
100	C75_Unbiased	0.601	0.602	-0.001
100	C76_Unbiased	0.607	0.607	0.001
100	C78_Unbiased	0.605	0.605	0.000
	Max	0.607	0.609	0.005
	Average	0.603	0.604	-0.001
	Min	0.600	0.598	-0.009
	Std Dev	0.002	0.002	0.002

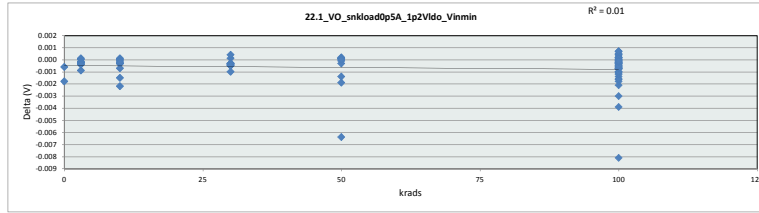


22.0_VO_noload_1p2VIdo_Vinmin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.62	V				
Min Limit	0.58	V				
krads	LL	3	10	30	50	100
	LL	0.580	0.580	0.580	0.580	0.580
	Min	0.601	0.600	0.598	0.601	0.601
	Average	0.603	0.603	0.603	0.604	0.604
	Max	0.604	0.606	0.607	0.607	0.609
	UL	0.620	0.620	0.620	0.620	0.620

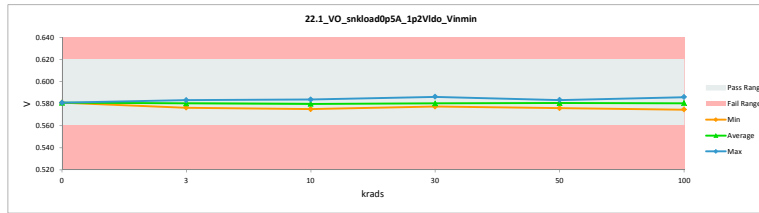


TID 100krad HDR Report
TPS7H3301-SP

22.1_VO_snkloadOp5A_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.56	0.56		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.580	0.581	-0.001
3	A116_Biased	0.580	0.581	0.000
3	A117_Biased	0.579	0.578	0.000
3	B36_Biased	0.581	0.581	0.000
3	B37_Biased	0.581	0.581	0.000
3	C39_Biased	0.580	0.580	0.000
3	A118_Unbiased	0.583	0.583	0.000
3	A140_Unbiased	0.580	0.581	-0.001
3	B38_Unbiased	0.582	0.582	0.000
3	B39_Unbiased	0.576	0.576	0.000
3	C40_Unbiased	0.578	0.579	0.000
10	A119_Biased	0.580	0.580	0.000
10	A120_Biased	0.582	0.582	0.000
10	B40_Biased	0.579	0.580	0.000
10	C41_Biased	0.582	0.582	0.000
10	C42_Biased	0.582	0.584	-0.002
10	A121_Unbiased	0.576	0.576	0.000
10	A124_Unbiased	0.575	0.575	0.000
10	B41_Unbiased	0.583	0.583	0.000
10	C43_Unbiased	0.575	0.576	-0.001
10	C44_Unbiased	0.578	0.580	-0.001
30	A125_Biased	0.579	0.579	0.000
30	B42_Biased	0.578	0.578	0.000
30	B43_Biased	0.580	0.580	0.000
30	C45_Biased	0.585	0.584	0.000
30	C46_Biased	0.577	0.577	-0.001
30	A127_Unbiased	0.578	0.579	0.000
30	B45_Unbiased	0.578	0.578	0.000
30	B47_Unbiased	0.586	0.586	0.000
30	C47_Unbiased	0.580	0.580	0.000
30	C50_Unbiased	0.579	0.580	-0.001
50	A128_Biased	0.581	0.581	0.000
50	A129_Biased	0.583	0.583	0.000
50	B48_Biased	0.578	0.578	0.000
50	B49_Biased	0.581	0.581	0.000
50	C51_Biased	0.581	0.583	-0.002
50	A130_Unbiased	0.576	0.576	0.000
50	A131_Unbiased	0.580	0.580	0.000
50	B50_Unbiased	0.581	0.581	0.000
50	B51_Unbiased	0.575	0.581	-0.006
50	C53_Unbiased	0.579	0.581	-0.001
0	106_Corr	0.579	0.581	-0.002
100	A132_Biased	0.580	0.580	0.000
100	A134_Biased	0.577	0.578	-0.002
100	A135_Biased	0.580	0.580	0.000
100	B52_Biased	0.575	0.575	0.000
100	B54_Biased	0.578	0.578	0.000
100	B55_Biased	0.582	0.583	-0.001
100	B56_Biased	0.583	0.583	0.000
100	B57_Biased	0.584	0.585	0.000
100	B59_Biased	0.578	0.578	0.000
100	B62_Biased	0.581	0.581	0.000
100	B63_Biased	0.579	0.580	-0.001
100	B64_Biased	0.581	0.584	-0.002
100	B66_Biased	0.578	0.580	-0.002
100	B68_Biased	0.578	0.579	-0.001
100	C54_Biased	0.576	0.577	-0.001
100	C55_Biased	0.580	0.580	0.000
100	C56_Biased	0.582	0.583	-0.001
100	C57_Biased	0.580	0.580	0.000
100	C58_Biased	0.579	0.580	0.000
100	C59_Biased	0.582	0.582	0.000
100	C65_Biased	0.580	0.580	0.000
100	C67_Biased	0.581	0.582	-0.001
100	A122_Unbiased	0.582	0.582	0.000
100	A138_Unbiased	0.584	0.584	0.000
100	A139_Unbiased	0.580	0.579	0.000
100	B60_Unbiased	0.578	0.586	-0.008
100	B61_Unbiased	0.579	0.583	-0.004
100	B69_Unbiased	0.578	0.578	-0.001
100	B70_Unbiased	0.579	0.581	-0.002
100	B71_Unbiased	0.580	0.579	0.001
100	B72_Unbiased	0.581	0.580	0.001
100	B73_Unbiased	0.577	0.577	-0.001
100	B74_Unbiased	0.577	0.578	-0.001
100	B77_Unbiased	0.580	0.581	-0.001
100	B78_Unbiased	0.578	0.578	0.000
100	B79_Unbiased	0.578	0.579	-0.001
100	B80_Unbiased	0.580	0.579	0.001
100	C70_Unbiased	0.576	0.576	-0.001
100	C71_Unbiased	0.580	0.582	-0.002
100	C72_Unbiased	0.579	0.580	-0.001
100	C73_Unbiased	0.576	0.577	-0.001
100	C75_Unbiased	0.581	0.582	-0.001
100	C76_Unbiased	0.585	0.585	0.000
100	C79_Unbiased	0.581	0.581	0.000
	Max	0.586	0.586	0.001
	Average	0.580	0.580	-0.001
	Min	0.575	0.575	-0.008
	Std Dev	0.002	0.002	0.001

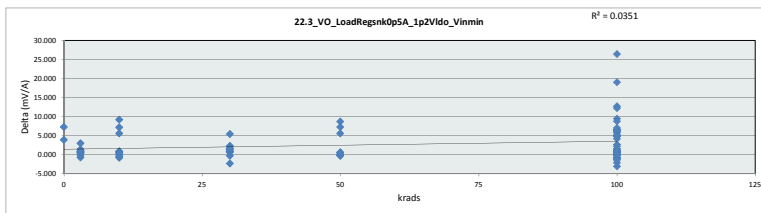


22.1_VO_snkloadOp5A_1p2VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.62	V				
Min Limit	0.56	V				
krads	0	3	10	30	50	100
LL	0.560	0.560	0.560	0.560	0.560	0.560
Min	0.581	0.576	0.575	0.577	0.576	0.575
Average	0.581	0.580	0.580	0.580	0.581	0.580
Max	0.581	0.583	0.584	0.586	0.583	0.586
UL	0.620	0.620	0.620	0.620	0.620	0.620

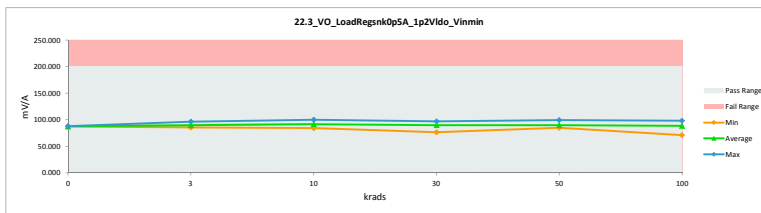


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22.3_VO_LoadRegsnk0p5A_1p2				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	91.179	87.275	3.904
3	A116_Biased	91.224	89.875	1.349
3	A117_Biased	93.618	94.343	-0.725
3	B36_Biased	87.981	87.563	0.418
3	B37_Biased	89.563	88.680	0.883
3	C39_Biased	90.685	90.833	-0.148
3	A118_Unbiased	87.552	87.136	0.416
3	A140_Unbiased	91.179	88.217	2.962
3	B38_Unbiased	86.349	85.756	0.593
3	B39_Unbiased	97.306	96.520	0.786
3	C40_Unbiased	90.960	90.131	0.829
10	A119_Biased	94.531	93.645	0.886
10	A120_Biased	88.749	89.574	-0.825
10	B40_Biased	90.647	90.167	0.480
10	C41_Biased	85.679	84.903	0.776
10	C42_Biased	93.651	84.475	9.176
10	A121_Unbiased	97.840	97.992	-0.052
10	A124_Unbiased	95.955	96.438	-0.483
10	B41_Unbiased	87.948	87.496	0.452
10	C43_Unbiased	105.580	100.037	5.543
10	C44_Unbiased	96.343	89.149	7.194
30	A125_Biased	95.100	95.367	-0.267
30	B42_Biased	94.357	92.911	1.446
30	B43_Biased	92.899	92.106	0.793
30	C45_Biased	80.683	82.994	-2.311
30	C46_Biased	97.679	95.375	2.304
30	A127_Unbiased	97.508	96.887	0.621
30	B45_Unbiased	93.943	93.041	0.902
30	B47_Unbiased	77.589	76.372	1.217
30	C47_Unbiased	89.584	87.846	1.738
30	C50_Unbiased	92.481	87.070	5.411
50	A128_Biased	89.293	89.575	-0.282
50	A129_Biased	85.135	84.991	0.144
50	B48_Biased	94.526	94.570	-0.044
50	B49_Biased	90.457	89.831	0.626
50	C51_Biased	89.916	86.150	3.766
50	A130_Unbiased	99.046	99.230	-0.184
50	A131_Unbiased	88.564	88.666	-0.102
50	B50_Unbiased	88.401	87.870	0.531
50	B51_Unbiased	97.107	97.501	-0.394
50	C53_Unbiased	95.089	87.797	7.292
0	106_Corr	95.273	88.033	7.240
100	A132_Biased	90.963	91.268	-0.305
100	A134_Biased	97.692	71.296	26.396
100	A135_Biased	89.916	89.997	-0.081
100	B52_Biased	96.838	98.018	-1.180
100	B54_Biased	95.195	95.987	-0.792
100	B55_Biased	84.262	82.945	1.317
100	B56_Biased	85.629	84.862	0.767
100	B57_Biased	79.929	79.470	0.459
100	B59_Biased	92.089	92.240	-0.151
100	B62_Biased	87.807	87.884	-0.077
100	B63_Biased	95.960	90.817	5.143
100	B64_Biased	93.634	84.184	9.450
100	B66_Biased	97.980	89.177	8.803
100	B68_Biased	99.277	93.505	5.772
100	C54_Biased	103.571	97.246	6.325
100	C55_Biased	89.495	89.469	0.026
100	C56_Biased	88.475	85.580	2.895
100	C57_Biased	91.201	92.082	-0.881
100	C58_Biased	92.305	92.166	0.139
100	C59_Biased	86.950	85.401	1.549
100	C65_Biased	88.249	87.902	0.347
100	C67_Biased	88.707	86.451	2.256
100	A122_Unbiased	87.569	87.580	-0.011
100	A138_Unbiased	81.027	80.517	0.510
100	A139_Unbiased	90.722	91.598	-0.876
100	B60_Unbiased	97.683	78.688	19.015
100	B61_Unbiased	95.421	82.658	12.763
100	B69_Unbiased	97.683	92.895	4.788
100	B70_Unbiased	95.421	88.839	6.582
100	B71_Unbiased	86.633	89.677	-3.044
100	B72_Unbiased	84.993	87.144	-2.151
100	B73_Unbiased	97.431	93.247	4.184
100	B74_Unbiased	95.815	90.976	4.839
100	B77_Unbiased	91.305	84.788	6.517
100	B78_Unbiased	95.014	95.246	-0.232
100	B79_Unbiased	96.560	90.552	6.008
100	B80_Unbiased	90.344	91.778	-1.434
100	C70_Unbiased	101.639	94.607	7.032
100	C71_Unbiased	95.482	83.247	12.235
100	C72_Unbiased	96.032	91.015	5.017
100	C73_Unbiased	101.983	97.075	4.908
100	C75_Unbiased	86.612	85.454	1.158
100	C76_Unbiased	82.184	82.060	0.124
100	C79_Unbiased	89.774	88.975	0.799
	Max	105.580	100.037	26.396
	Average	92.064	89.352	2.713
	Min	77.589	71.296	-3.044
	Std Dev	5.356	5.173	4.588

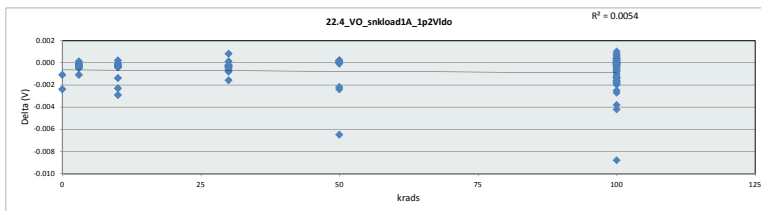


22.3_VO_LoadRegsnk0p5A_1p					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Unit	mV/A				
Max Limit	200				
Min Limit	0				
krads	0	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	87.275	85.756	84.475	76.372	84.991
Average	87.654	89.905	91.378	89.997	90.018
Max	88.033	96.520	100.037	96.887	99.230
UL	200.000	200.000	200.000	200.000	200.000

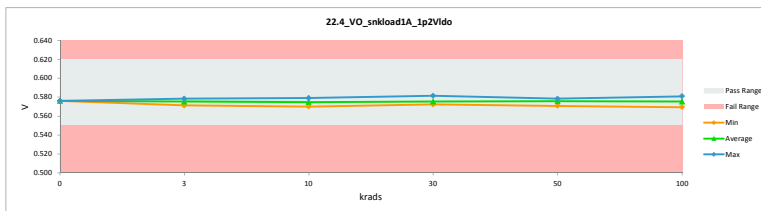


TID 100krad HDR Report
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22.4_VO_snkload1A_1p2Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.55	0.55		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.575	0.576	-0.001
3	A116_Biased	0.575	0.576	-0.001
3	A117_Biased	0.574	0.574	0.000
3	B36_Biased	0.576	0.576	0.000
3	B37_Biased	0.576	0.576	0.000
3	C39_Biased	0.575	0.575	0.000
3	A118_Unbiased	0.578	0.578	0.000
3	A140_Unbiased	0.575	0.576	-0.001
3	B38_Unbiased	0.578	0.578	0.000
3	B39_Unbiased	0.571	0.571	0.000
3	C40_Unbiased	0.574	0.574	0.000
10	A119_Biased	0.575	0.575	0.000
10	A120_Biased	0.578	0.578	0.000
10	B40_Biased	0.574	0.575	0.000
10	C41_Biased	0.577	0.578	0.000
10	C42_Biased	0.576	0.579	-0.003
10	A121_Unbiased	0.571	0.571	0.000
10	A124_Unbiased	0.570	0.570	0.000
10	B41_Unbiased	0.578	0.578	0.000
10	C43_Unbiased	0.569	0.571	-0.001
10	C44_Unbiased	0.572	0.575	-0.002
30	A125_Biased	0.574	0.574	0.000
30	B42_Biased	0.573	0.573	0.000
30	B43_Biased	0.575	0.575	0.000
30	C45_Biased	0.580	0.579	0.001
30	C46_Biased	0.572	0.572	-0.001
30	A127_Unbiased	0.573	0.574	0.000
30	B45_Unbiased	0.573	0.573	0.000
30	B47_Unbiased	0.581	0.581	0.000
30	C47_Unbiased	0.575	0.575	-0.001
30	C50_Unbiased	0.574	0.576	-0.002
50	A128_Biased	0.576	0.576	0.000
50	A129_Biased	0.578	0.578	0.000
50	B48_Biased	0.573	0.573	0.000
50	B49_Biased	0.576	0.576	0.000
50	C51_Biased	0.575	0.578	-0.002
50	A130_Unbiased	0.571	0.571	0.000
50	A131_Unbiased	0.576	0.575	0.000
50	B50_Unbiased	0.576	0.576	0.000
50	B51_Unbiased	0.576	0.576	-0.001
50	C53_Unbiased	0.573	0.576	-0.002
0	106_Corr	0.574	0.576	-0.002
100	A132_Biased	0.575	0.575	0.000
100	A134_Biased	0.572	0.572	0.000
100	A135_Biased	0.575	0.575	0.000
100	B52_Biased	0.570	0.570	0.000
100	B54_Biased	0.573	0.572	0.000
100	B55_Biased	0.577	0.578	0.000
100	B56_Biased	0.578	0.578	0.000
100	B57_Biased	0.580	0.580	0.000
100	B59_Biased	0.573	0.573	0.000
100	B62_Biased	0.576	0.576	0.000
100	B63_Biased	0.574	0.575	-0.001
100	B64_Biased	0.576	0.579	-0.003
100	B66_Biased	0.573	0.575	-0.002
100	B68_Biased	0.572	0.574	-0.002
100	C54_Biased	0.571	0.572	-0.001
100	C55_Biased	0.575	0.575	0.000
100	C56_Biased	0.577	0.578	-0.001
100	C57_Biased	0.575	0.575	0.000
100	C58_Biased	0.575	0.574	0.000
100	C59_Biased	0.577	0.577	0.000
100	C65_Biased	0.575	0.575	0.000
100	C67_Biased	0.576	0.577	-0.001
100	A122_Unbiased	0.578	0.577	0.000
100	A138_Unbiased	0.579	0.579	0.000
100	A139_Unbiased	0.575	0.574	0.001
100	B60_Unbiased	0.572	0.581	-0.009
100	B61_Unbiased	0.573	0.578	-0.004
100	B69_Unbiased	0.572	0.573	-0.001
100	B70_Unbiased	0.573	0.576	-0.002
100	B71_Unbiased	0.575	0.574	0.001
100	B72_Unbiased	0.576	0.575	0.001
100	B73_Unbiased	0.571	0.572	-0.001
100	B74_Unbiased	0.572	0.573	-0.001
100	B77_Unbiased	0.575	0.576	-0.002
100	B78_Unbiased	0.573	0.573	0.000
100	B79_Unbiased	0.572	0.574	-0.002
100	B80_Unbiased	0.575	0.574	0.001
100	C70_Unbiased	0.570	0.571	-0.002
100	C71_Unbiased	0.574	0.578	-0.004
100	C72_Unbiased	0.573	0.575	-0.002
100	C73_Unbiased	0.570	0.572	-0.001
100	C75_Unbiased	0.577	0.577	0.000
100	C76_Unbiased	0.580	0.580	0.000
100	C79_Unbiased	0.576	0.576	0.000
Max	0.581	0.581	0.001	
Average	0.575	0.575	-0.001	
Min	0.569	0.570	-0.009	
Std Dev	0.003	0.002	0.001	

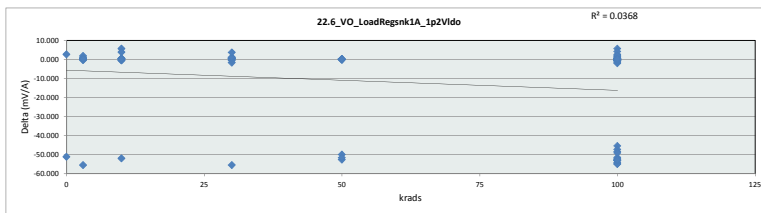


22.4_VO_snkload1A_1p2Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.62 V					
Min Limit	0.55 V					
krads	0	3	10	30	50	100
LL	0.580	0.550	0.550	0.550	0.550	0.550
Min	0.576	0.571	0.570	0.572	0.571	0.570
Average	0.576	0.575	0.575	0.575	0.576	0.575
Max	0.576	0.579	0.579	0.582	0.579	0.581
UL	0.620	0.620	0.620	0.620	0.620	0.620

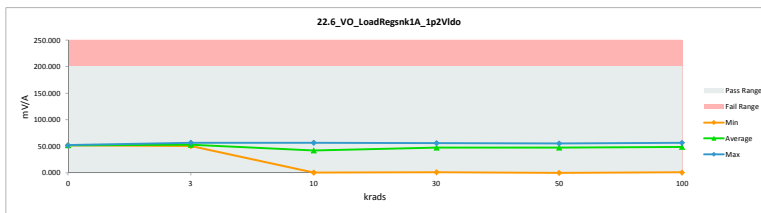


TID 100krad HDR Report
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22.6_VO_LoadRegs1A_1p2VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	54.178	51.530	2.648
3	A116_Biased	53.929	53.149	0.780
3	A117_Biased	54.943	55.222	-0.279
3	B36_Biased	51.944	51.612	0.332
3	B37_Biased	52.974	52.420	0.554
3	C39_Biased	53.452	53.452	0.000
3	A118_Unbiased	51.765	51.432	0.333
3	A140_Unbiased	54.178	52.332	1.846
3	B38_Unbiased	50.968	50.603	0.365
3	B39_Unbiased	1.067	56.627	-55.560
3	C40_Unbiased	53.506	53.103	0.403
10	A119_Biased	55.561	55.039	0.522
10	A120_Biased	52.927	52.923	-0.526
10	B40_Biased	53.532	53.192	0.340
10	C41_Biased	50.770	50.325	0.445
10	C42_Biased	55.814	50.112	5.702
10	A121_Unbiased	0.426	0.532	-0.106
10	A124_Unbiased	56.197	56.532	-0.335
10	B41_Unbiased	51.907	51.592	0.315
10	C43_Unbiased	4.639	0.755	3.884
10	C44_Unbiased	0.502	52.508	-52.006
30	A125_Biased	55.768	55.804	-0.036
30	B42_Biased	55.730	54.866	0.864
30	B43_Biased	54.719	54.268	0.451
30	C45_Biased	47.884	49.596	-1.712
30	C46_Biased	0.481	56.002	-55.521
30	A127_Unbiased	0.744	1.192	-0.428
30	B45_Unbiased	55.517	54.946	0.571
30	B47_Unbiased	46.376	45.870	0.506
30	C47_Biased	53.365	52.196	1.169
30	C50_Unbiased	54.974	51.378	3.596
50	A128_Biased	52.686	52.746	-0.060
50	A129_Biased	50.387	50.351	0.036
50	B48_Biased	55.436	55.514	-0.078
50	B49_Biased	53.508	53.401	0.107
50	C51_Biased	1.292	51.223	-49.933
50	A130_Unbiased	0.438	0.062	0.376
50	A131_Unbiased	52.277	52.397	-0.120
50	B50_Unbiased	52.204	51.996	0.208
50	B51_Unbiased	1.178	53.789	-52.611
50	C53_Biased	0.649	52.187	-51.538
0	106_Corr	1.037	52.088	-51.051
100	A132_Biased	53.705	53.943	-0.238
100	A134_Biased	1.151	46.560	-45.409
100	A135_Biased	53.234	52.816	0.418
100	B52_Biased	1.327	0.727	0.600
100	B54_Biased	55.944	56.329	-0.385
100	B55_Biased	50.155	49.555	0.600
100	B56_Biased	50.716	50.533	0.183
100	B57_Biased	47.794	47.883	-0.089
100	B59_Biased	54.499	54.602	-0.103
100	B62_Biased	52.087	52.149	-0.062
100	B63_Biased	0.807	53.704	-52.897
100	B64_Biased	55.866	50.167	5.719
100	B66_Biased	0.590	52.890	-52.300
100	B68_Biased	1.084	55.177	-54.093
100	C54_Biased	3.525	0.800	2.725
100	C55_Biased	53.115	53.088	0.027
100	C56_Biased	52.533	51.217	1.316
100	C57_Biased	53.977	54.710	-0.733
100	C58_Biased	54.271	54.556	-0.285
100	C59_Biased	51.795	51.058	0.737
100	C65_Biased	52.329	52.130	0.199
100	C67_Biased	52.957	51.655	1.302
100	A122_Unbiased	51.839	52.264	-0.425
100	A138_Unbiased	48.262	48.143	0.119
100	A139_Unbiased	53.468	54.184	-0.716
100	B60_Unbiased	0.080	47.292	-47.212
100	B61_Unbiased	1.232	49.697	-48.465
100	B69_Unbiased	0.080	54.913	-54.833
100	B70_Unbiased	1.232	52.614	-51.382
100	B71_Unbiased	51.147	53.140	-1.993
100	B72_Unbiased	50.197	51.721	-1.524
100	B73_Unbiased	0.247	55.229	-54.982
100	B74_Unbiased	1.481	53.732	-52.251
100	B77_Unbiased	54.758	50.565	4.193
100	B78_Unbiased	55.701	56.031	-0.330
100	B79_Unbiased	0.460	53.659	-53.199
100	B80_Unbiased	53.226	54.039	-0.813
100	C70_Unbiased	2.689	55.717	-53.028
100	C71_Unbiased	0.609	49.721	-49.112
100	C72_Unbiased	0.848	53.703	-52.855
100	C73_Unbiased	2.734	0.801	1.933
100	C75_Unbiased	51.356	50.816	0.540
100	C76_Unbiased	49.028	49.190	-0.162
100	C79_Unbiased	53.323	53.046	0.277
	Max	56.197	56.627	5.719
	Average	36.033	48.295	-12.262
	Min	0.080	0.062	-55.560
	Std Dev	24.445	14.425	22.744

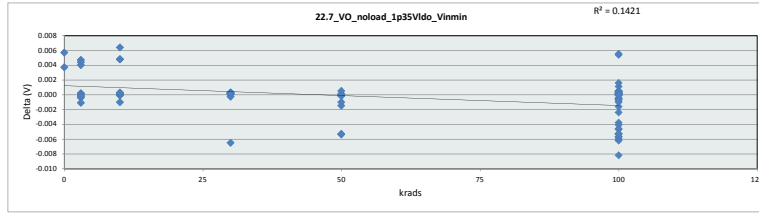


22.6_VO_LoadRegs1A_1p2V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	51.530	50.603	0.532	1.192	0.062	0.727
Average	51.809	52.995	42.351	47.612	47.367	48.783
Max	52.088	56.627	56.532	56.002	55.514	56.329
UL	200.000	200.000	200.000	200.000	200.000	200.000

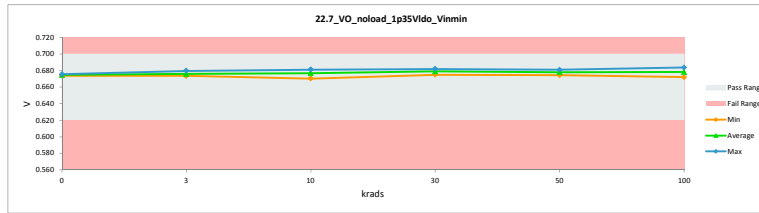


TID 100krad HDR Report
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22.7_VO_noload_1p35VIdo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.679	0.674	0.006
3	A116_Biased	0.680	0.679	0.000
3	A117_Biased	0.673	0.674	0.000
3	B36_Biased	0.674	0.674	0.000
3	B37_Biased	0.679	0.675	0.004
3	C39_Biased	0.678	0.674	0.005
3	A118_Unbiased	0.681	0.677	0.004
3	A140_Unbiased	0.679	0.679	0.000
3	B38_Unbiased	0.675	0.676	-0.001
3	B39_Unbiased	0.677	0.677	0.000
3	C40_Unbiased	0.674	0.674	0.000
10	A119_Biased	0.680	0.679	0.000
10	A120_Biased	0.680	0.680	0.000
10	B40_Biased	0.680	0.674	0.006
10	C41_Biased	0.675	0.676	-0.001
10	C42_Biased	0.682	0.678	0.005
10	A121_Unbiased	0.679	0.678	0.000
10	A124_Unbiased	0.670	0.670	0.000
10	B41_Unbiased	0.681	0.681	0.000
10	C43_Unbiased	0.678	0.678	0.000
10	C44_Unbiased	0.679	0.674	0.005
30	A125_Biased	0.680	0.680	0.000
30	B42_Biased	0.679	0.679	0.000
30	B43_Biased	0.674	0.681	-0.007
30	C45_Biased	0.682	0.682	0.000
30	C46_Biased	0.679	0.679	0.000
30	A127_Unbiased	0.679	0.679	0.000
30	B45_Unbiased	0.679	0.678	0.000
30	B47_Unbiased	0.677	0.677	0.000
30	C47_Unbiased	0.680	0.680	0.000
30	C50_Unbiased	0.675	0.675	0.000
50	A128_Biased	0.675	0.681	-0.005
50	A129_Biased	0.676	0.677	-0.001
50	B48_Biased	0.678	0.678	0.000
50	B49_Biased	0.679	0.679	0.000
50	C51_Biased	0.680	0.680	0.000
50	A130_Unbiased	0.678	0.678	0.000
50	A131_Unbiased	0.674	0.675	-0.001
50	B50_Unbiased	0.674	0.674	0.000
50	B51_Unbiased	0.671	0.676	-0.005
50	C53_Biased	0.681	0.681	0.000
0	106_Corr	0.679	0.675	0.004
100	A132_Biased	0.680	0.680	0.000
100	A134_Biased	0.672	0.680	-0.008
100	A135_Biased	0.674	0.674	0.000
100	B52_Biased	0.670	0.676	-0.006
100	B54_Biased	0.673	0.679	-0.005
100	B55_Biased	0.674	0.675	-0.001
100	B56_Biased	0.676	0.682	-0.006
100	B57_Biased	0.677	0.681	-0.004
100	B59_Biased	0.673	0.678	-0.006
100	B62_Biased	0.675	0.681	-0.006
100	B63_Biased	0.680	0.680	0.000
100	B64_Biased	0.682	0.682	0.000
100	B66_Biased	0.679	0.679	0.000
100	B68_Biased	0.676	0.680	-0.004
100	C54_Biased	0.679	0.678	0.000
100	C55_Biased	0.674	0.675	-0.002
100	C56_Biased	0.681	0.681	0.000
100	C57_Biased	0.680	0.679	0.000
100	C58_Biased	0.674	0.679	-0.005
100	C59_Biased	0.682	0.681	0.000
100	C65_Biased	0.674	0.674	0.000
100	C67_Biased	0.676	0.681	-0.005
100	A122_Unbiased	0.682	0.682	0.000
100	A138_Unbiased	0.676	0.676	0.000
100	A139_Unbiased	0.679	0.678	0.000
100	B60_Unbiased	0.678	0.683	-0.005
100	B61_Unbiased	0.680	0.680	0.000
100	B69_Unbiased	0.678	0.678	0.000
100	B70_Unbiased	0.680	0.680	0.000
100	B71_Unbiased	0.673	0.673	0.000
100	B72_Unbiased	0.673	0.674	-0.001
100	B73_Unbiased	0.678	0.677	0.000
100	B74_Unbiased	0.673	0.672	0.001
100	B77_Unbiased	0.675	0.674	0.002
100	B78_Unbiased	0.679	0.679	0.000
100	B79_Unbiased	0.679	0.679	0.000
100	B80_Unbiased	0.673	0.674	0.000
100	C70_Unbiased	0.675	0.677	-0.002
100	C71_Unbiased	0.680	0.675	0.005
100	C72_Unbiased	0.680	0.675	0.005
100	C73_Unbiased	0.679	0.679	0.000
100	C75_Unbiased	0.674	0.675	-0.001
100	C76_Unbiased	0.677	0.682	-0.005
100	C79_Unbiased	0.680	0.680	0.000
	Max	0.682	0.683	0.006
	Average	0.677	0.678	0.000
	Min	0.670	0.670	-0.008
	Std Dev	0.003	0.003	0.003

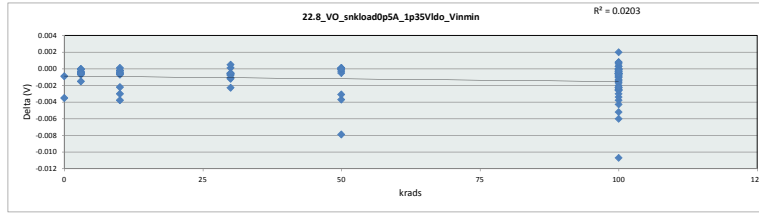


22.7_VO_noload_1p35VIdo_Vinmin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.7	V				
Min Limit	0.62	V				
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.674	0.674	0.670	0.675	0.674	0.672
Average	0.675	0.676	0.677	0.679	0.678	0.678
Max	0.676	0.680	0.681	0.682	0.681	0.684
UL	0.700	0.700	0.700	0.700	0.700	0.700

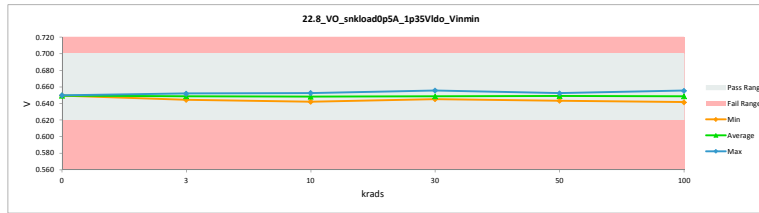


TID 100krad HDR Report
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22.8_VO_snkloadOp5A_1p35VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.649	0.650	-0.001
3	A116_Biased	0.649	0.650	-0.001
3	A117_Biased	0.646	0.646	0.000
3	B36_Biased	0.649	0.649	0.000
3	B37_Biased	0.649	0.650	0.000
3	C39_Biased	0.648	0.648	0.000
3	A118_Unbiased	0.652	0.652	0.000
3	A140_Unbiased	0.649	0.650	-0.002
3	B38_Unbiased	0.651	0.651	0.000
3	B39_Unbiased	0.644	0.645	-0.001
3	C40_Unbiased	0.646	0.647	-0.001
10	A119_Biased	0.648	0.649	-0.001
10	A120_Biased	0.652	0.652	0.000
10	B40_Biased	0.647	0.648	0.000
10	C41_Biased	0.651	0.651	-0.001
10	C42_Biased	0.649	0.653	-0.004
10	A121_Unbiased	0.644	0.644	0.000
10	A124_Unbiased	0.642	0.642	0.000
10	B41_Unbiased	0.651	0.652	-0.001
10	C43_Unbiased	0.641	0.643	-0.002
10	C44_Unbiased	0.645	0.648	-0.003
30	A125_Biased	0.647	0.647	-0.001
30	B42_Biased	0.646	0.647	-0.001
30	B43_Biased	0.648	0.649	-0.001
30	C45_Biased	0.654	0.653	0.001
30	C46_Biased	0.644	0.645	-0.001
30	A127_Unbiased	0.646	0.647	-0.001
30	B45_Unbiased	0.646	0.646	-0.001
30	B47_Unbiased	0.655	0.656	-0.001
30	C47_Unbiased	0.648	0.649	-0.001
30	C50_Unbiased	0.646	0.649	-0.002
50	A128_Biased	0.650	0.650	0.000
50	A129_Biased	0.652	0.652	0.000
50	B48_Biased	0.646	0.646	0.000
50	B49_Biased	0.650	0.650	0.000
50	C51_Biased	0.648	0.652	-0.004
50	A130_Unbiased	0.643	0.643	0.000
50	A131_Unbiased	0.648	0.648	0.000
50	B50_Unbiased	0.649	0.649	0.000
50	B51_Unbiased	0.642	0.650	-0.008
50	C53_Unbiased	0.646	0.649	-0.003
0	106_Corr	0.646	0.650	-0.003
100	A132_Biased	0.648	0.649	-0.001
100	A134_Biased	0.644	0.642	0.002
100	A135_Biased	0.648	0.648	0.000
100	B52_Biased	0.642	0.642	0.000
100	B54_Biased	0.646	0.646	0.000
100	B55_Biased	0.651	0.652	-0.001
100	B56_Biased	0.651	0.652	-0.001
100	B57_Biased	0.654	0.655	-0.001
100	B59_Biased	0.646	0.646	0.000
100	B62_Biased	0.650	0.650	-0.001
100	B63_Biased	0.646	0.649	-0.002
100	B64_Biased	0.649	0.653	-0.004
100	B66_Biased	0.645	0.649	-0.004
100	B68_Biased	0.644	0.648	-0.003
100	C54_Biased	0.643	0.645	-0.002
100	C55_Biased	0.648	0.649	-0.001
100	C56_Biased	0.650	0.651	-0.001
100	C57_Biased	0.648	0.648	0.000
100	C58_Biased	0.647	0.648	-0.001
100	C59_Biased	0.651	0.652	-0.001
100	C65_Biased	0.648	0.648	-0.001
100	C67_Biased	0.650	0.651	-0.001
100	A122_Unbiased	0.652	0.652	0.000
100	A138_Unbiased	0.653	0.653	0.000
100	A139_Unbiased	0.648	0.648	0.000
100	B60_Unbiased	0.645	0.645	-0.011
100	B61_Unbiased	0.646	0.652	-0.006
100	B69_Unbiased	0.645	0.647	-0.002
100	B70_Unbiased	0.646	0.649	-0.003
100	B71_Unbiased	0.648	0.648	0.001
100	B72_Unbiased	0.649	0.649	0.001
100	B73_Unbiased	0.644	0.646	-0.002
100	B74_Unbiased	0.645	0.646	-0.002
100	B77_Unbiased	0.647	0.650	-0.002
100	B78_Unbiased	0.646	0.646	0.000
100	B79_Unbiased	0.645	0.648	-0.003
100	B80_Unbiased	0.648	0.647	0.001
100	C70_Unbiased	0.641	0.644	-0.003
100	C71_Unbiased	0.646	0.652	-0.005
100	C72_Unbiased	0.646	0.648	-0.002
100	C73_Unbiased	0.642	0.645	-0.002
100	C75_Unbiased	0.650	0.650	-0.001
100	C76_Unbiased	0.654	0.655	-0.001
100	C79_Unbiased	0.650	0.650	0.000
	Max	0.655	0.656	0.002
	Average	0.648	0.649	-0.001
	Min	0.641	0.642	-0.011
	Std Dev	0.003	0.003	0.002

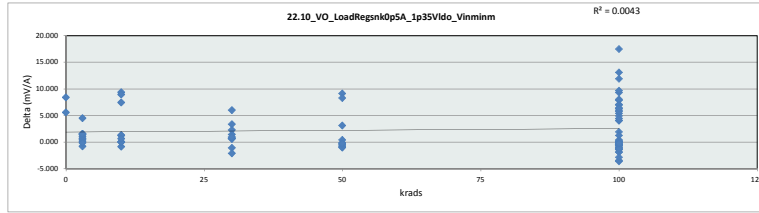


22.8_VO_snkloadOp5A_1p35VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.7	V				
Min Limit	0.62	V				
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.650	0.645	0.642	0.645	0.643	0.642
Average	0.650	0.649	0.648	0.649	0.649	0.649
Max	0.650	0.652	0.653	0.656	0.652	0.656
UL	0.700	0.700	0.700	0.700	0.700	0.700

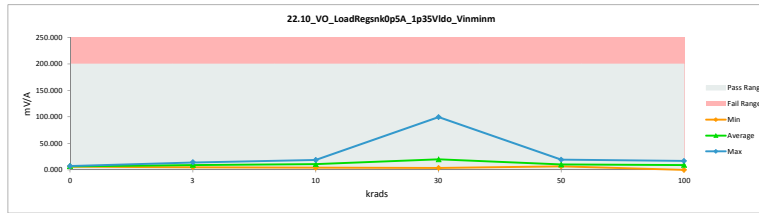


TID 100krad HDR Report
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22_10_VO_LoadRegsnKOp5A_1ps				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	11.950	6.410	5.540
3	A116_Biased	10.949	9.406	1.543
3	A117_Biased	12.994	13.798	-0.804
3	B36_Biased	7.363	6.865	0.498
3	B37_Biased	9.689	8.970	0.719
3	C39_Unbiased	9.892	9.743	0.149
3	A118_Unbiased	8.967	9.085	-0.118
3	A140_Unbiased	11.950	7.499	4.451
3	B38_Unbiased	6.264	5.180	1.084
3	B39_Unbiased	15.680	14.258	1.422
3	C40_Unbiased	10.945	9.417	1.528
10	A119_Biased	14.746	13.536	1.210
10	A120_Biased	9.149	10.607	-0.858
10	B40_Biased	8.915	8.899	0.016
10	C41_Biased	5.525	4.223	1.302
10	C42_Biased	14.743	5.399	9.344
10	A121_Unbiased	17.468	17.432	0.036
10	A124_Unbiased	14.636	14.663	-0.027
10	B41_Unbiased	9.616	8.987	0.629
10	C43_Unbiased	25.940	18.526	7.414
10	C44_Unbiased	16.084	7.176	8.908
30	A125_Biased	14.738	15.935	-1.997
30	B42_Biased	12.603	11.938	0.665
30	B43_Biased	12.046	10.645	1.401
30	C45_Biased	1.329	3.456	-2.127
30	C46_Biased	17.646	14.310	3.336
30	A127_Unbiased	18.992	17.797	0.995
30	B45_Unbiased	12.795	12.128	0.667
30	B47_Unbiased	100.319	99.384	0.935
30	C47_Unbiased	9.688	7.434	2.254
30	C50_Unbiased	12.383	6.402	5.981
50	A128_Biased	9.392	10.313	-0.921
50	A129_Biased	5.774	6.535	-0.761
50	B48_Biased	13.700	13.833	-0.133
50	B49_Biased	10.223	9.840	0.383
50	C51_Biased	15.554	6.450	9.104
50	A130_Unbiased	18.061	19.118	-1.057
50	A131_Unbiased	8.014	8.535	-0.521
50	B50_Unbiased	7.917	8.195	-0.278
50	B51_Unbiased	15.977	12.909	3.068
50	C53_Unbiased	16.955	8.695	8.260
0	106_Corr	15.697	7.304	8.393
100	A132_Biased	11.273	12.395	-1.122
100	A134_Biased	16.859	9.041	7.818
100	A135_Biased	9.105	9.841	-0.736
100	B52_Biased	16.051	17.063	-1.012
100	B54_Biased	15.450	15.991	-0.541
100	B55_Biased	2.939	3.373	-0.434
100	B56_Biased	5.991	5.926	0.065
100	B57_Biased	0.248	0.254	-0.006
100	B59_Biased	11.008	11.534	-0.526
100	B62_Biased	7.767	8.147	-0.380
100	B63_Biased	15.828	10.472	5.356
100	B64_Biased	14.140	4.883	9.257
100	B66_Biased	17.950	8.315	9.635
100	B68_Biased	20.656	13.592	7.064
100	C54_Biased	23.848	16.889	6.959
100	C55_Biased	9.251	9.956	-0.705
100	C56_Biased	9.274	7.371	1.903
100	C57_Biased	11.407	13.324	-1.917
100	C58_Biased	12.103	12.051	0.052
100	C59_Biased	6.379	5.959	0.420
100	C65_Biased	8.069	8.577	-0.508
100	C67_Biased	9.278	8.035	1.243
100	A122_Unbiased	8.022	9.417	-1.395
100	A138_Unbiased	0.165	2.026	-1.861
100	A139_Unbiased	10.470	11.865	-1.395
100	B60_Unbiased	17.483	0.048	17.435
100	B61_Unbiased	16.063	2.976	13.087
100	B69_Unbiased	17.483	12.556	4.927
100	B70_Unbiased	16.063	10.092	5.971
100	B71_Unbiased	4.916	8.618	-3.622
100	B72_Unbiased	4.210	7.681	-3.471
100	B73_Unbiased	16.985	12.998	3.987
100	B74_Unbiased	14.661	10.605	4.056
100	B77_Unbiased	10.592	4.169	6.423
100	B78_Unbiased	13.670	14.869	-1.199
100	B79_Unbiased	16.214	10.477	5.737
100	B80_Unbiased	9.152	11.990	-2.838
100	C70_Unbiased	22.230	14.182	8.048
100	C71_Unbiased	15.465	3.610	11.855
100	C72_Unbiased	16.310	11.914	4.396
100	C73_Unbiased	22.915	16.649	6.266
100	C75_Unbiased	5.830	5.628	0.202
100	C76_Unbiased	2.897	3.050	-0.153
100	C79_Unbiased	9.448	9.686	-0.238
	Max	100.319	99.384	17.435
	Average	13.133	10.805	2.328
	Min	0.165	0.048	-3.622
	Std Dev	10.833	10.539	4.121

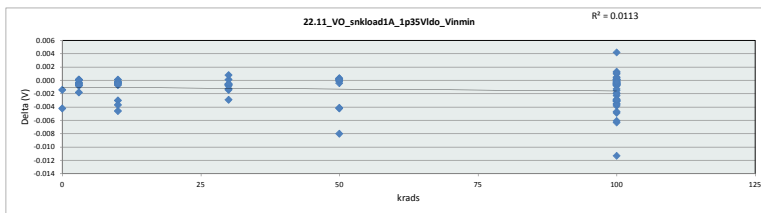


22_10_VO_LoadRegsnKOp5A_1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	6.410	5.180	4.223	3.456	6.450	0.048
Average	6.857	9.422	10.945	19.933	10.442	9.275
Max	7.304	14.258	18.526	99.384	19.118	17.063
UL	200.000	200.000	200.000	200.000	200.000	200.000

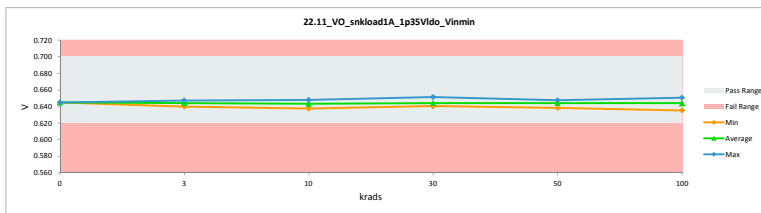


TID 100krad HDR Report
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22.11_VO_snkload1A_1p35VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.643	0.645	-0.001
3	A116_Biased	0.644	0.645	-0.001
3	A117_Biased	0.642	0.642	0.000
3	B36_Biased	0.645	0.645	0.000
3	B37_Biased	0.644	0.645	0.000
3	C39_Biased	0.643	0.643	0.000
3	A118_Unbiased	0.647	0.647	0.000
3	A140_Unbiased	0.643	0.645	-0.002
3	B38_Unbiased	0.646	0.646	0.000
3	B39_Unbiased	0.639	0.640	-0.001
3	C40_Unbiased	0.641	0.642	-0.001
10	A119_Biased	0.643	0.644	0.000
10	A120_Biased	0.647	0.647	0.000
10	B40_Biased	0.643	0.643	0.000
10	C41_Biased	0.646	0.647	-0.001
10	C42_Biased	0.643	0.648	-0.005
10	A121_Unbiased	0.639	0.639	0.000
10	A124_Unbiased	0.637	0.637	0.000
10	B41_Unbiased	0.647	0.647	0.000
10	C43_Unbiased	0.635	0.638	-0.003
10	C44_Unbiased	0.639	0.643	-0.004
30	A125_Biased	0.642	0.642	0.000
30	B42_Biased	0.641	0.642	-0.001
30	B43_Biased	0.643	0.644	-0.001
30	C45_Biased	0.649	0.649	0.001
30	C46_Biased	0.639	0.640	-0.001
30	A127_Unbiased	0.641	0.642	-0.001
30	B45_Unbiased	0.641	0.641	-0.001
30	B47_Unbiased	0.651	0.651	-0.001
30	C47_Unbiased	0.643	0.644	-0.001
30	C50_Unbiased	0.641	0.644	-0.003
50	A128_Biased	0.645	0.645	0.000
50	A129_Biased	0.648	0.648	0.000
50	B48_Biased	0.641	0.642	0.000
50	B49_Biased	0.645	0.645	0.000
50	C51_Biased	0.643	0.647	-0.004
50	A130_Unbiased	0.639	0.638	0.000
50	A131_Unbiased	0.644	0.643	0.000
50	B50_Unbiased	0.644	0.644	0.000
50	B51_Unbiased	0.637	0.645	-0.008
50	C53_Unbiased	0.640	0.644	-0.004
0	106_Corr	0.641	0.645	-0.004
100	A132_Biased	0.643	0.643	0.000
100	A134_Biased	0.639	0.635	0.004
100	A135_Biased	0.643	0.643	0.000
100	B52_Biased	0.637	0.637	0.000
100	B54_Biased	0.641	0.641	0.000
100	B55_Biased	0.646	0.647	-0.001
100	B56_Biased	0.647	0.647	-0.001
100	B57_Biased	0.649	0.650	-0.001
100	B59_Biased	0.641	0.641	0.000
100	B62_Biased	0.645	0.645	0.000
100	B63_Biased	0.641	0.644	-0.003
100	B64_Biased	0.644	0.649	-0.005
100	B66_Biased	0.640	0.644	-0.005
100	B68_Biased	0.639	0.643	-0.004
100	C54_Biased	0.637	0.640	-0.003
100	C55_Biased	0.643	0.644	-0.001
100	C56_Biased	0.645	0.646	-0.002
100	C57_Biased	0.643	0.643	0.000
100	C58_Biased	0.642	0.643	0.000
100	C59_Biased	0.646	0.647	-0.001
100	C65_Biased	0.643	0.643	0.000
100	C67_Biased	0.645	0.646	-0.001
100	A122_Unbiased	0.647	0.647	0.000
100	A138_Unbiased	0.648	0.648	0.000
100	A139_Unbiased	0.644	0.643	0.000
100	B60_Unbiased	0.640	0.651	-0.011
100	B61_Unbiased	0.641	0.647	-0.006
100	B69_Unbiased	0.640	0.642	-0.002
100	B70_Unbiased	0.641	0.644	-0.003
100	B71_Unbiased	0.644	0.643	0.001
100	B72_Unbiased	0.645	0.644	0.001
100	B73_Unbiased	0.639	0.641	-0.002
100	B74_Unbiased	0.639	0.641	-0.002
100	B77_Unbiased	0.642	0.645	-0.003
100	B78_Unbiased	0.641	0.641	0.000
100	B79_Unbiased	0.640	0.643	-0.003
100	B80_Unbiased	0.643	0.642	0.001
100	C70_Unbiased	0.636	0.639	-0.004
100	C71_Unbiased	0.641	0.647	-0.006
100	C72_Unbiased	0.640	0.643	-0.003
100	C73_Unbiased	0.637	0.639	-0.003
100	C75_Unbiased	0.645	0.646	-0.001
100	C76_Unbiased	0.649	0.650	-0.001
100	C79_Unbiased	0.645	0.645	0.000
	Max	0.651	0.651	0.004
	Average	0.643	0.644	-0.001
	Min	0.635	0.635	-0.011
	Std Dev	0.003	0.003	0.002

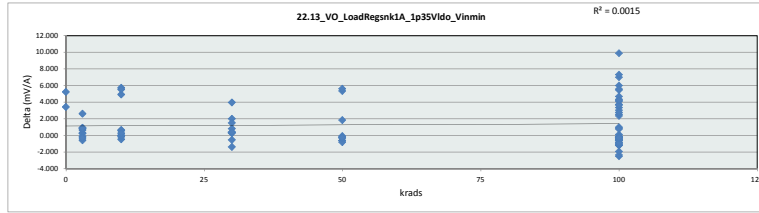


22.11_VO_snkload1A_1p35VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.7	V				
Min Limit	0.62	V				
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.645	0.640	0.638	0.640	0.638	0.635
Average	0.645	0.644	0.643	0.644	0.644	0.644
Max	0.645	0.647	0.648	0.651	0.648	0.651
UL	0.700	0.700	0.700	0.700	0.700	0.700

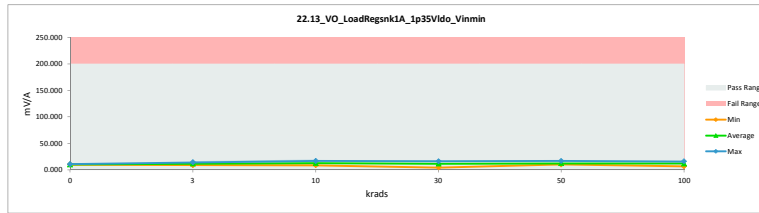


TID 100krad HDR Report
TPS7H3301-SP

22_13_VO_LoadRegsK1A_1p35V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	13.401	9.994	3.407
3	A116_Biased	12.523	11.645	0.878
3	A117_Biased	13.451	14.048	-0.597
3	B36_Biased	10.465	10.192	0.273
3	B37_Biased	11.809	11.564	0.245
3	C39_Biased	11.858	11.977	-0.119
3	A118_Unbiased	11.181	11.489	-0.308
3	A140_Unbiased	13.401	10.810	2.591
3	B38_Unbiased	9.897	9.236	0.661
3	B39_Unbiased	15.152	14.251	0.901
3	C40_Unbiased	12.650	11.828	0.822
10	A119_Biased	14.400	13.835	0.565
10	A120_Biased	11.748	12.221	-0.473
10	B40_Biased	11.378	11.529	-0.151
10	C41_Biased	9.432	8.785	0.647
10	C42_Biased	15.248	9.548	5.700
10	A121_Unbiased	16.154	16.168	-0.014
10	A124_Unbiased	14.496	14.493	0.003
10	B41_Unbiased	11.620	11.361	0.259
10	C43_Unbiased	21.903	17.004	4.899
10	C44_Unbiased	16.109	10.590	5.519
30	A125_Biased	14.401	14.936	-0.535
30	B42_Biased	13.583	13.196	0.387
30	B43_Biased	13.057	12.264	0.793
30	C45_Biased	7.299	8.880	-1.581
30	C46_Biased	16.398	14.397	2.001
30	A127_Unbiased	16.379	16.106	0.273
30	B45_Unbiased	13.647	13.295	0.352
30	B47_Unbiased	4.990	4.601	0.389
30	C47_Unbiased	12.167	10.682	1.485
30	C50_Unbiased	13.822	9.920	3.902
50	A128_Biased	11.569	12.185	-0.616
50	A129_Biased	9.546	10.159	-0.613
50	B48_Biased	13.860	14.080	-0.220
50	B49_Biased	12.238	12.318	-0.080
50	C51_Biased	15.586	10.265	5.321
50	A130_Unbiased	16.139	16.945	-0.806
50	A131_Unbiased	10.946	11.257	-0.311
50	B50_Unbiased	10.845	11.129	-0.284
50	B51_Unbiased	15.309	13.489	1.820
50	C53_Unbiased	17.169	11.574	5.595
0	106_Corr	15.944	10.726	5.218
100	A132_Biased	12.586	13.471	-0.885
100	A134_Biased	15.670	14.810	0.860
100	A135_Biased	11.540	12.186	-0.646
100	B52_Biased	15.381	15.963	-0.582
100	B54_Biased	14.819	15.269	-0.450
100	B55_Biased	8.288	8.888	-0.600
100	B56_Biased	9.835	10.077	-0.242
100	B57_Biased	6.828	6.955	-0.127
100	B59_Biased	12.775	13.251	-0.476
100	B62_Biased	11.024	11.241	-0.217
100	B63_Biased	15.777	12.455	3.322
100	B64_Biased	14.816	9.372	5.444
100	B66_Biased	17.328	11.335	5.993
100	B68_Biased	18.561	14.231	4.330
100	C54_Biased	20.632	15.953	4.679
100	C55_Biased	11.859	12.427	-0.568
100	C56_Biased	11.767	10.777	0.990
100	C57_Biased	12.923	14.115	-1.192
100	C58_Biased	13.230	13.466	-0.236
100	C59_Biased	10.265	10.166	0.099
100	C65_Biased	11.149	11.434	-0.285
100	C67_Biased	12.160	11.408	0.752
100	A122_Unbiased	11.051	12.080	-1.029
100	A138_Unbiased	6.772	7.972	-1.200
100	A139_Unbiased	12.112	13.169	-1.057
100	B60_Unbiased	16.679	4.788	9.881
100	B61_Unbiased	15.838	8.835	7.003
100	B69_Unbiased	16.679	13.654	3.025
100	B70_Unbiased	15.838	12.102	3.736
100	B71_Unbiased	9.181	11.685	-2.504
100	B72_Unbiased	8.726	11.090	-2.364
100	B73_Unbiased	16.456	14.119	2.337
100	B74_Unbiased	15.098	12.590	2.508
100	B77_Unbiased	13.340	9.228	4.112
100	B78_Unbiased	13.869	14.748	-0.879
100	B79_Unbiased	16.197	12.546	3.651
100	B80_Unbiased	11.444	13.380	-1.936
100	C70_Unbiased	19.980	14.425	5.555
100	C71_Unbiased	16.213	8.906	7.306
100	C72_Unbiased	15.871	13.130	2.741
100	C73_Unbiased	20.019	15.808	4.211
100	C75_Unbiased	9.875	9.986	-0.111
100	C76_Unbiased	8.221	8.555	-0.334
100	C79_Unbiased	11.879	12.171	-0.292
	Max	21.903	17.004	9.881
	Average	13.300	11.988	1.312
	Min	4.990	4.601	-2.504
	Std Dev	3.196	2.401	2.530

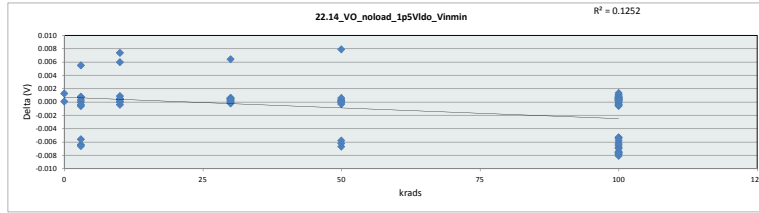


22_13_VO_LoadRegsK1A_1p33						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	9.994	9.236	8.785	4.601	10.159	6.798
Average	10.360	11.704	12.553	11.809	12.340	11.960
Max	10.726	14.251	17.004	16.106	16.945	15.963
UL	200.000	200.000	200.000	200.000	200.000	200.000

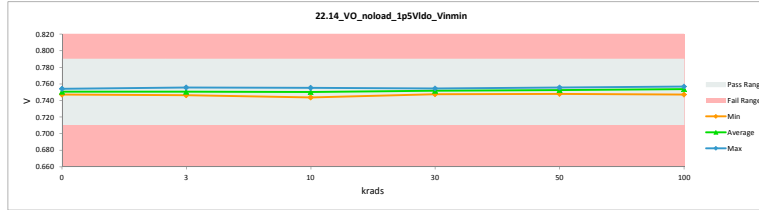


TID 100krad HDR Report
TPS7H3301-SP

22.14_VO_noload_1p5VIdo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.71	0.71		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.749	0.747	0.001
3	A116_Biased	0.755	0.749	0.006
3	A117_Biased	0.747	0.753	-0.006
3	B36_Biased	0.747	0.748	-0.001
3	B37_Biased	0.748	0.748	0.001
3	C39_Biased	0.754	0.753	0.001
3	A118_Unbiased	0.749	0.756	-0.007
3	A140_Unbiased	0.749	0.754	-0.006
3	B38_Unbiased	0.749	0.749	0.000
3	B39_Unbiased	0.752	0.752	0.000
3	C40_Unbiased	0.746	0.746	0.000
10	A119_Biased	0.755	0.754	0.000
10	A120_Biased	0.756	0.755	0.000
10	B40_Biased	0.747	0.747	0.000
10	C41_Biased	0.749	0.749	0.000
10	C42_Biased	0.751	0.750	0.001
10	A121_Unbiased	0.754	0.753	0.000
10	A124_Unbiased	0.744	0.744	0.000
10	B41_Unbiased	0.756	0.750	0.006
10	C43_Unbiased	0.753	0.752	0.001
10	C44_Unbiased	0.754	0.747	0.007
30	A125_Biased	0.755	0.754	0.001
30	B42_Biased	0.754	0.754	0.000
30	B43_Biased	0.748	0.748	0.000
30	C45_Biased	0.750	0.750	0.000
30	C46_Biased	0.754	0.753	0.001
30	A127_Unbiased	0.755	0.754	0.000
30	B45_Unbiased	0.754	0.753	0.000
30	B47_Unbiased	0.750	0.750	0.000
30	C47_Unbiased	0.755	0.755	0.000
30	C50_Unbiased	0.748	0.748	0.000
50	A128_Biased	0.749	0.756	-0.007
50	A129_Biased	0.750	0.750	0.000
50	B48_Biased	0.753	0.753	0.000
50	B49_Biased	0.754	0.754	0.000
50	C51_Biased	0.755	0.755	0.000
50	A130_Unbiased	0.753	0.753	0.001
50	A131_Unbiased	0.747	0.753	-0.006
50	B50_Unbiased	0.754	0.754	0.000
50	B51_Unbiased	0.744	0.750	-0.006
50	C53_Unbiased	0.756	0.748	0.008
0	106_Corr	0.754	0.754	0.000
100	A132_Biased	0.756	0.755	0.000
100	A134_Biased	0.746	0.754	-0.008
100	A135_Biased	0.748	0.755	-0.008
100	B52_Biased	0.743	0.751	-0.008
100	B54_Biased	0.754	0.754	0.001
100	B55_Biased	0.748	0.755	-0.008
100	B56_Biased	0.750	0.750	0.000
100	B57_Biased	0.750	0.756	-0.006
100	B59_Biased	0.746	0.753	-0.007
100	B62_Biased	0.757	0.756	0.001
100	B63_Biased	0.756	0.755	0.000
100	B64_Biased	0.751	0.757	-0.005
100	B66_Biased	0.754	0.754	0.000
100	B68_Biased	0.749	0.755	-0.006
100	C54_Biased	0.754	0.753	0.001
100	C55_Biased	0.747	0.754	-0.006
100	C56_Biased	0.749	0.756	-0.007
100	C57_Biased	0.755	0.754	0.001
100	C58_Biased	0.754	0.754	0.000
100	C59_Biased	0.757	0.756	0.001
100	C65_Biased	0.747	0.755	-0.007
100	C67_Biased	0.749	0.756	-0.007
100	A122_Unbiased	0.750	0.750	0.000
100	A138_Unbiased	0.748	0.749	-0.001
100	A139_Unbiased	0.754	0.753	0.001
100	B60_Unbiased	0.753	0.752	0.001
100	B61_Unbiased	0.748	0.749	0.000
100	B69_Unbiased	0.753	0.753	0.000
100	B70_Unbiased	0.748	0.755	-0.006
100	B71_Unbiased	0.746	0.754	-0.008
100	B72_Unbiased	0.747	0.755	-0.007
100	B73_Unbiased	0.747	0.752	-0.005
100	B74_Unbiased	0.746	0.754	-0.008
100	B77_Unbiased	0.748	0.747	0.001
100	B78_Unbiased	0.754	0.754	0.001
100	B79_Unbiased	0.754	0.754	0.000
100	B80_Unbiased	0.755	0.754	0.001
100	C70_Unbiased	0.752	0.752	0.001
100	C71_Unbiased	0.755	0.755	0.000
100	C72_Unbiased	0.755	0.755	0.000
100	C73_Unbiased	0.754	0.753	0.000
100	C75_Unbiased	0.748	0.748	-0.001
100	C76_Unbiased	0.751	0.757	-0.005
100	C79_Unbiased	0.755	0.755	0.000
	Max	0.757	0.757	0.008
	Average	0.751	0.753	-0.001
	Min	0.743	0.744	-0.008
	Std Dev	0.004	0.003	0.004



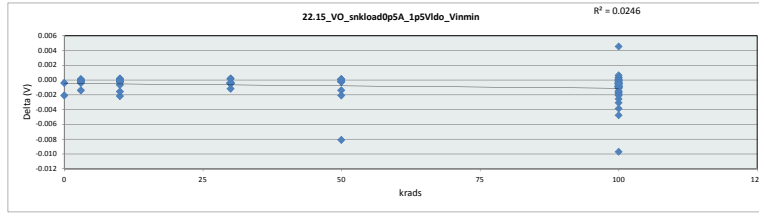
22.14_VO_noload_1p5VIdo_Vir						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.71	V				
krads	0	3	10	30	50	100
LL	0.710	0.710	0.710	0.710	0.710	0.710
Min	0.747	0.746	0.744	0.748	0.748	0.747
Average	0.751	0.751	0.750	0.752	0.753	0.754
Max	0.754	0.756	0.755	0.755	0.756	0.757
UL	0.790	0.790	0.790	0.790	0.790	0.790



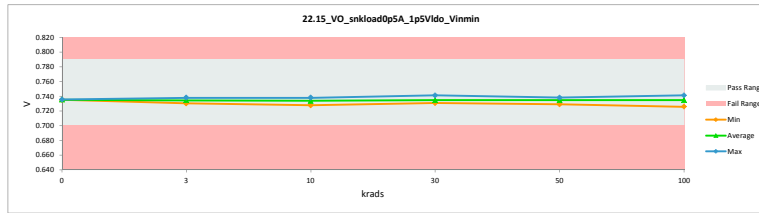
TID 100krad HDR Report
TPS7H3301-SP

22_15_VO_snkloadOp5A_1p5VIdc		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	0.79	0.79
Min Limit	0.7	0.7

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.735	0.735	0.000
3	A116_Biased	0.735	0.736	0.000
3	A117_Biased	0.732	0.732	0.000
3	B36_Biased	0.735	0.735	0.000
3	B37_Biased	0.735	0.735	0.000
3	C39_Biased	0.734	0.734	0.000
3	A118_Unbiased	0.738	0.738	0.000
3	A140_Unbiased	0.735	0.736	-0.001
3	B38_Unbiased	0.736	0.736	0.000
3	B39_Unbiased	0.730	0.730	0.000
3	C40_Unbiased	0.732	0.732	0.000
10	A119_Biased	0.734	0.735	0.000
10	A120_Biased	0.738	0.738	0.000
10	B40_Biased	0.733	0.733	0.000
10	C41_Biased	0.737	0.737	0.000
10	C42_Biased	0.736	0.738	-0.002
10	A121_Unbiased	0.730	0.730	0.000
10	A124_Unbiased	0.728	0.728	0.000
10	B41_Unbiased	0.737	0.738	0.000
10	C43_Unbiased	0.729	0.729	-0.001
10	C44_Unbiased	0.732	0.733	-0.002
30	A125_Biased	0.733	0.733	0.000
30	B42_Biased	0.733	0.733	0.000
30	B43_Biased	0.734	0.735	-0.001
30	C45_Biased	0.739	0.739	0.000
30	C46_Biased	0.730	0.731	0.000
30	A127_Unbiased	0.732	0.733	0.000
30	B45_Unbiased	0.732	0.732	0.000
30	B47_Unbiased	0.741	0.741	0.000
30	C47_Unbiased	0.734	0.735	0.000
30	C50_Unbiased	0.733	0.734	-0.001
50	A128_Biased	0.735	0.735	0.000
50	A129_Biased	0.738	0.738	0.000
50	B48_Biased	0.732	0.732	0.000
50	B49_Biased	0.736	0.736	0.000
50	C51_Biased	0.735	0.735	-0.002
50	A130_Unbiased	0.729	0.729	0.000
50	A131_Unbiased	0.734	0.734	0.000
50	B50_Unbiased	0.735	0.735	0.000
50	B51_Unbiased	0.726	0.726	-0.002
50	C53_Unbiased	0.733	0.734	-0.001
0	106_Corr	0.734	0.736	-0.002
100	A132_Biased	0.734	0.734	-0.001
100	A134_Biased	0.730	0.726	0.005
100	A135_Biased	0.734	0.734	0.000
100	B52_Biased	0.728	0.727	0.000
100	B54_Biased	0.731	0.731	0.000
100	B55_Biased	0.737	0.738	-0.001
100	B56_Biased	0.737	0.738	-0.001
100	B57_Biased	0.739	0.740	-0.001
100	B59_Biased	0.732	0.733	0.000
100	B62_Biased	0.736	0.737	-0.001
100	B63_Biased	0.733	0.735	-0.002
100	B64_Biased	0.736	0.739	-0.003
100	B66_Biased	0.733	0.735	-0.003
100	B68_Biased	0.732	0.734	-0.002
100	C54_Biased	0.730	0.731	-0.001
100	C55_Biased	0.734	0.734	-0.001
100	C56_Biased	0.736	0.737	-0.001
100	C57_Biased	0.734	0.734	0.000
100	C58_Biased	0.733	0.734	-0.001
100	C59_Biased	0.737	0.738	-0.001
100	C65_Biased	0.734	0.734	0.000
100	C67_Biased	0.736	0.737	-0.001
100	A122_Unbiased	0.738	0.738	0.000
100	A138_Unbiased	0.738	0.738	0.000
100	A139_Unbiased	0.734	0.734	0.000
100	B60_Unbiased	0.732	0.732	-0.010
100	B61_Unbiased	0.733	0.738	-0.005
100	B69_Unbiased	0.732	0.733	-0.001
100	B70_Unbiased	0.733	0.735	-0.002
100	B71_Unbiased	0.733	0.733	0.000
100	B72_Unbiased	0.735	0.735	0.000
100	B73_Unbiased	0.731	0.732	-0.001
100	B74_Unbiased	0.731	0.732	-0.001
100	B77_Unbiased	0.734	0.735	-0.002
100	B78_Unbiased	0.732	0.733	0.000
100	B79_Unbiased	0.732	0.734	-0.002
100	B80_Unbiased	0.733	0.733	0.001
100	C70_Unbiased	0.729	0.730	-0.001
100	C71_Unbiased	0.734	0.738	-0.004
100	C72_Unbiased	0.733	0.734	-0.002
100	C73_Unbiased	0.729	0.730	-0.001
100	C75_Unbiased	0.735	0.736	-0.001
100	C76_Unbiased	0.740	0.741	-0.001
100	C79_Unbiased	0.736	0.736	-0.001
	Max	0.741	0.741	0.005
	Average	0.734	0.735	-0.001
	Min	0.728	0.726	-0.010
	Std Dev	0.003	0.003	0.002

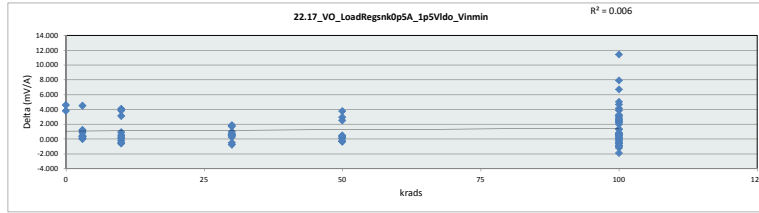


22_15_VO_snkloadOp5A_1p5VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79 V					
Min Limit	0.7 V					
krads	0	3	10	30	50	100
LL	0.700	0.700	0.700	0.700	0.700	0.700
Min	0.735	0.730	0.728	0.731	0.729	0.726
Average	0.735	0.734	0.734	0.735	0.735	0.735
Max	0.736	0.738	0.738	0.741	0.738	0.741
UL	0.790	0.790	0.790	0.790	0.790	0.790

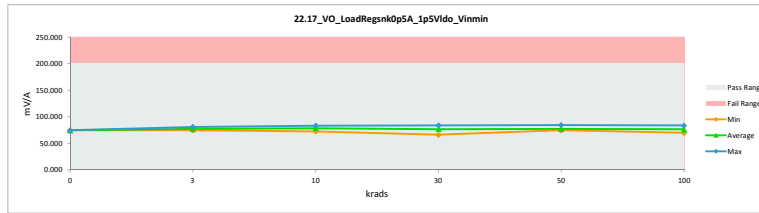


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22.17_VO_LoadRegsnkOp5A_1ps				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	79.000	74.394	4.606
3	A116_Biased	77.541	77.506	0.035
3	A117_Biased	80.014	79.654	0.360
3	B36_Biased	74.916	74.581	0.335
3	B37_Biased	77.599	77.224	0.375
3	C39_Biased	77.094	76.218	0.876
3	A118_Unbiased	77.297	76.088	1.209
3	A140_Unbiased	79.000	74.496	4.504
3	B38_Unbiased	74.685	74.574	0.111
3	B39_Unbiased	80.888	80.454	0.434
3	C40_Unbiased	78.516	77.381	1.135
10	A119_Biased	80.917	80.004	0.913
10	A120_Biased	77.174	77.458	-0.484
10	B40_Biased	76.862	76.741	0.121
10	C41_Biased	72.823	72.295	0.528
10	C42_Biased	78.783	74.704	4.079
10	A121_Unbiased	83.058	83.262	-0.204
10	A124_Unbiased	81.592	83.308	0.284
10	B41_Unbiased	76.252	76.824	-0.572
10	C43_Unbiased	86.083	82.942	3.141
10	C44_Unbiased	79.108	75.256	3.852
30	A125_Biased	80.951	81.594	-0.743
30	B42_Biased	78.455	77.761	0.694
30	B43_Biased	78.550	78.032	0.518
30	C45_Biased	71.514	72.021	-0.507
30	C46_Biased	82.284	80.604	1.680
30	A127_Unbiased	84.011	83.507	0.504
30	B45_Unbiased	78.800	78.515	0.285
30	B47_Unbiased	66.911	65.961	0.950
30	C47_Unbiased	75.754	75.201	0.553
30	C50_Unbiased	75.745	73.857	1.888
50	A128_Biased	77.459	77.561	-0.098
50	A129_Biased	74.020	74.371	-0.351
50	B48_Biased	79.967	79.812	0.155
50	B49_Biased	76.715	76.368	0.347
50	C51_Biased	78.978	74.609	3.770
50	A130_Unbiased	83.801	84.117	-0.316
50	A131_Unbiased	75.696	75.204	0.492
50	B50_Unbiased	74.265	74.502	-0.237
50	B51_Unbiased	82.408	79.470	2.938
50	C53_Unbiased	79.288	76.787	2.501
0	106_Corr	78.173	74.334	3.839
100	A132_Biased	78.247	78.513	-0.266
100	A134_Biased	82.526	83.393	-0.867
100	A135_Biased	78.117	77.385	0.732
100	B52_Biased	82.526	81.782	0.744
100	B54_Biased	81.231	81.762	-0.531
100	B55_Biased	70.431	69.875	0.556
100	B56_Biased	74.371	74.569	-0.198
100	B57_Biased	70.079	69.792	0.287
100	B59_Biased	77.330	77.246	0.084
100	B62_Biased	73.090	73.698	-0.608
100	B63_Biased	79.108	76.559	2.549
100	B64_Biased	77.126	72.110	5.016
100	B66_Biased	79.781	75.098	4.683
100	B68_Biased	82.900	78.721	4.179
100	C54_Biased	84.898	81.880	3.018
100	C55_Biased	77.682	77.590	0.092
100	C56_Biased	75.593	74.258	1.335
100	C57_Biased	78.497	79.713	-1.216
100	C58_Biased	78.035	77.991	0.044
100	C59_Biased	72.829	73.313	-0.484
100	C65_Biased	75.791	75.281	0.510
100	C67_Biased	76.578	75.279	1.299
100	A122_Unbiased	76.320	77.310	-0.990
100	A138_Unbiased	70.732	71.566	-0.834
100	A139_Unbiased	77.349	78.234	-0.885
100	B60_Unbiased	80.934	69.495	11.439
100	B61_Unbiased	80.139	72.196	7.943
100	B69_Unbiased	80.934	78.730	2.204
100	B70_Unbiased	80.139	76.285	3.854
100	B71_Unbiased	74.702	74.910	-0.208
100	B72_Unbiased	73.156	73.319	-0.163
100	B73_Unbiased	80.680	78.081	2.599
100	B74_Unbiased	79.803	77.403	2.400
100	B77_Unbiased	75.019	71.814	3.205
100	B78_Unbiased	79.208	80.120	-0.912
100	B79_Unbiased	79.815	77.549	2.266
100	B80_Unbiased	76.449	78.331	-1.882
100	C70_Unbiased	83.373	80.112	3.261
100	C71_Unbiased	77.756	71.045	6.711
100	C72_Unbiased	79.220	77.211	2.009
100	C73_Unbiased	83.787	80.966	2.821
100	C75_Unbiased	74.148	73.312	0.836
100	C76_Unbiased	71.280	70.718	0.562
100	C79_Unbiased	75.908	74.908	0.403
	Max	86.083	84.117	11.439
	Average	77.898	76.593	1.306
	Min	66.911	65.961	-1.882
	Std Dev	3.625	3.578	2.175



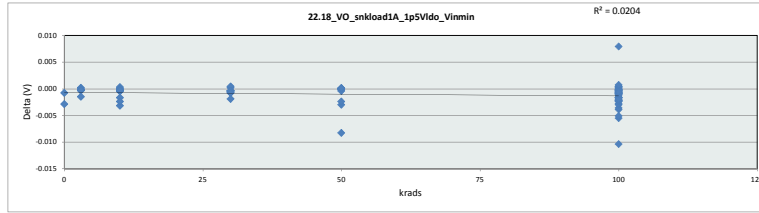
22.17_VO_LoadRegsnkOp5A_1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	74.334	74.496	72.295	65.961	74.371	69.495
Average	74.364	76.818	78.099	76.705	77.260	76.123
Max	74.394	80.454	83.262	83.507	84.117	83.393
UL	200.000	200.000	200.000	200.000	200.000	200.000



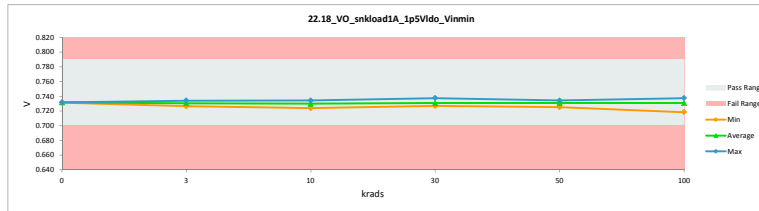
TID 100krad HDR Report
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22.18_VO_snkload1A_1p5VIdo		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	0.79	0.79
Min Limit	0.7	0.7

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.731	0.731	-0.001
3	A116_Biased	0.731	0.732	0.000
3	A117_Biased	0.729	0.728	0.000
3	B36_Biased	0.731	0.732	0.000
3	B37_Biased	0.731	0.731	0.000
3	C39_Biased	0.730	0.730	0.000
3	A118_Unbiased	0.734	0.734	0.000
3	A140_Unbiased	0.731	0.732	-0.002
3	B38_Unbiased	0.732	0.733	0.000
3	B39_Unbiased	0.726	0.726	0.000
3	C40_Unbiased	0.728	0.728	0.000
10	A119_Biased	0.730	0.731	0.000
10	A120_Biased	0.734	0.734	0.000
10	B40_Biased	0.729	0.730	0.000
10	C41_Biased	0.733	0.733	0.000
10	C42_Biased	0.731	0.734	-0.003
10	A121_Unbiased	0.726	0.726	0.000
10	A124_Unbiased	0.724	0.724	0.000
10	B41_Unbiased	0.733	0.734	0.000
10	C43_Unbiased	0.724	0.725	-0.002
10	C44_Unbiased	0.727	0.729	-0.002
30	A125_Biased	0.729	0.729	0.000
30	B42_Biased	0.729	0.729	0.000
30	B43_Biased	0.730	0.731	0.000
30	C45_Biased	0.736	0.735	0.000
30	C46_Biased	0.726	0.727	-0.001
30	A127_Unbiased	0.728	0.729	0.000
30	B45_Unbiased	0.728	0.728	0.000
30	B47_Unbiased	0.737	0.738	0.000
30	C47_Unbiased	0.730	0.731	-0.001
30	C50_Unbiased	0.729	0.731	-0.002
50	A128_Biased	0.732	0.732	0.000
50	A129_Biased	0.734	0.734	0.000
50	B48_Biased	0.728	0.728	0.000
50	B49_Biased	0.732	0.732	0.000
50	C51_Biased	0.731	0.734	-0.003
50	A130_Unbiased	0.725	0.725	0.000
50	A131_Unbiased	0.730	0.730	0.000
50	B50_Unbiased	0.731	0.731	0.000
50	B51_Unbiased	0.724	0.732	-0.008
50	C53_Unbiased	0.728	0.730	-0.002
0	106_Corr	0.729	0.732	-0.003
100	A132_Biased	0.730	0.730	-0.001
100	A134_Biased	0.726	0.718	0.008
100	A135_Biased	0.729	0.730	0.000
100	B52_Biased	0.724	0.723	0.000
100	B54_Biased	0.728	0.728	0.000
100	B55_Biased	0.734	0.734	-0.001
100	B56_Biased	0.733	0.734	0.000
100	B57_Biased	0.735	0.736	-0.001
100	B59_Biased	0.728	0.729	0.000
100	B62_Biased	0.732	0.733	-0.001
100	B63_Biased	0.729	0.731	-0.002
100	B64_Biased	0.732	0.736	-0.004
100	B66_Biased	0.728	0.731	-0.004
100	B68_Biased	0.727	0.730	-0.003
100	C54_Biased	0.725	0.727	-0.002
100	C55_Biased	0.730	0.730	-0.001
100	C56_Biased	0.732	0.734	-0.002
100	C57_Biased	0.730	0.730	0.000
100	C58_Biased	0.729	0.729	-0.001
100	C59_Biased	0.733	0.734	-0.001
100	C65_Biased	0.729	0.730	0.000
100	C67_Biased	0.732	0.733	-0.001
100	A122_Unbiased	0.734	0.734	0.000
100	A138_Unbiased	0.734	0.734	0.000
100	A139_Unbiased	0.731	0.730	0.000
100	B60_Unbiased	0.727	0.738	-0.010
100	B61_Unbiased	0.729	0.734	-0.006
100	B69_Unbiased	0.727	0.729	-0.002
100	B70_Unbiased	0.729	0.731	-0.003
100	B71_Unbiased	0.730	0.729	0.000
100	B72_Unbiased	0.731	0.731	0.000
100	B73_Unbiased	0.727	0.728	-0.002
100	B74_Unbiased	0.726	0.728	-0.002
100	B77_Unbiased	0.729	0.732	-0.002
100	B78_Unbiased	0.728	0.729	0.000
100	B79_Unbiased	0.728	0.730	-0.002
100	B80_Unbiased	0.729	0.729	0.001
100	C70_Unbiased	0.724	0.726	-0.002
100	C71_Unbiased	0.729	0.734	-0.005
100	C72_Unbiased	0.728	0.730	-0.002
100	C73_Unbiased	0.725	0.727	-0.002
100	C75_Unbiased	0.731	0.732	-0.001
100	C76_Unbiased	0.736	0.737	-0.001
100	C79_Unbiased	0.732	0.732	-0.001
	Max	0.737	0.738	0.008
	Average	0.730	0.731	-0.001
	Min	0.724	0.718	-0.010
	Std Dev	0.003	0.003	0.002

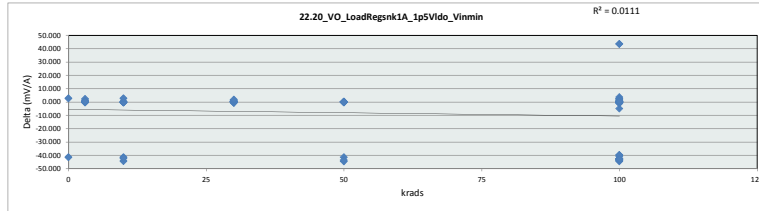


22.18_VO_snkload1A_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79 V					
Min Limit	0.7 V					
krads	0	3	10	30	50	100
LL	0.700	0.700	0.700	0.700	0.700	0.700
Min	0.731	0.726	0.724	0.727	0.725	0.718
Average	0.732	0.731	0.730	0.731	0.731	0.731
Max	0.732	0.734	0.734	0.738	0.734	0.738
UL	0.790	0.790	0.790	0.790	0.790	0.790

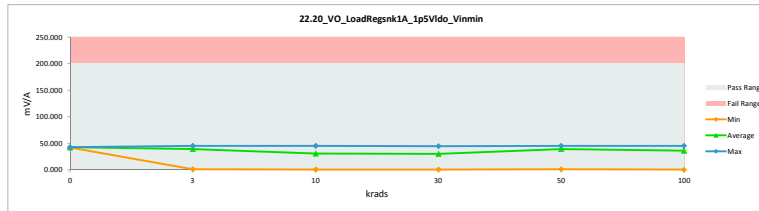


TID 100krad HDR Report
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22_20_VO_LoadReqsnk1A_1p5Vr				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	45.136	42.275	2.861
3	A116_Biased	43.951	43.863	0.088
3	A117_Biased	45.083	45.022	0.061
3	B36_Biased	42.583	42.321	0.262
3	B37_Biased	44.059	43.843	0.216
3	C39_Biased	43.875	43.259	0.616
3	A118_Unbiased	43.649	42.997	0.652
3	A140_Unbiased	45.136	42.722	2.414
3	B38_Unbiased	42.460	42.114	0.346
3	B39_Unbiased	0.843	1.182	-0.339
3	C40_Unbiased	44.459	43.854	0.605
10	A119_Biased	0.759	44.917	-44.158
10	A120_Biased	43.547	43.910	-0.263
10	B40_Biased	43.672	43.535	0.137
10	C41_Biased	41.563	41.088	0.475
10	C42_Biased	0.916	42.293	-41.377
10	A121_Unbiased	0.388	0.467	-0.079
10	A124_Unbiased	1.092	1.214	-0.122
10	B41_Unbiased	43.216	43.472	-0.256
10	C43_Unbiased	3.235	0.428	2.807
10	C44_Unbiased	0.708	42.727	-42.019
30	A125_Biased	0.959	0.409	0.550
30	B42_Biased	44.547	44.217	0.330
30	B43_Biased	44.458	44.222	0.236
30	C45_Biased	40.547	41.202	-0.655
30	C46_Biased	0.271	0.950	-0.679
30	A127_Unbiased	0.716	0.498	0.218
30	B45_Unbiased	44.564	44.459	0.105
30	B47_Unbiased	38.487	38.038	0.449
30	C47_Unbiased	43.465	42.686	0.779
30	C50_Unbiased	43.670	41.871	1.799
50	A128_Biased	43.862	43.617	0.245
50	A129_Biased	42.062	42.247	-0.185
50	B48_Biased	45.096	45.016	0.080
50	B49_Biased	43.584	43.467	0.117
50	C51_Biased	0.969	42.290	-41.320
50	A130_Unbiased	0.460	0.825	-0.365
50	A131_Unbiased	42.955	42.635	0.320
50	B50_Unbiased	42.177	42.315	-0.138
50	B51_Unbiased	0.352	44.873	-44.521
50	C53_Unbiased	0.115	43.688	-43.573
0	106_Corr	1.086	42.374	-41.288
100	A132_Biased	44.150	44.451	-0.301
100	A134_Biased	0.287	5.101	-4.814
100	A135_Biased	44.256	43.839	0.417
100	B52_Biased	0.311	0.100	0.211
100	B54_Biased	0.609	0.457	0.152
100	B55_Biased	40.353	39.990	0.363
100	B56_Biased	42.301	42.384	-0.083
100	B57_Biased	40.165	39.805	0.360
100	B59_Biased	44.095	43.977	0.118
100	B62_Biased	41.813	41.879	-0.066
100	B63_Biased	0.713	43.553	-42.840
100	B64_Biased	44.814	41.097	3.717
100	B66_Biased	0.153	42.547	-42.394
100	B68_Biased	0.941	44.463	-43.522
100	C54_Biased	2.680	0.139	2.541
100	C55_Biased	44.296	43.981	0.315
100	C56_Biased	43.331	41.591	1.740
100	C57_Biased	44.510	0.807	43.703
100	C58_Biased	44.354	44.243	0.111
100	C59_Biased	41.818	41.824	-0.006
100	C65_Biased	43.218	43.364	-0.146
100	C67_Biased	43.891	42.959	0.932
100	A122_Unbiased	43.451	43.974	-0.523
100	A138_Unbiased	40.393	40.849	-0.456
100	A139_Unbiased	43.682	44.200	-0.518
100	B60_Unbiased	0.018	39.774	-39.756
100	B61_Unbiased	0.616	41.260	-40.644
100	B69_Unbiased	0.018	44.528	-44.510
100	B70_Unbiased	0.616	43.216	-42.600
100	B71_Unbiased	42.944	42.648	0.296
100	B72_Unbiased	41.615	41.745	-0.130
100	B73_Unbiased	0.323	44.470	-44.147
100	B74_Unbiased	1.056	43.632	-42.576
100	B77_Unbiased	43.623	41.076	2.547
100	B78_Unbiased	44.852	1.276	43.576
100	B79_Unbiased	0.403	43.925	-43.522
100	B80_Unbiased	43.361	44.336	-0.975
100	C70_Unbiased	1.833	45.128	-43.295
100	C71_Unbiased	0.910	40.600	-39.690
100	C72_Unbiased	0.738	43.685	-42.947
100	C73_Unbiased	1.902	0.836	1.066
100	C75_Unbiased	42.515	42.023	0.492
100	C76_Unbiased	40.887	40.385	0.502
100	C79_Unbiased	43.021	42.608	0.413
	Max	45.136	45.128	43.703
	Average	26.932	35.561	-8.630
	Min	0.018	0.100	-44.521
	Std Dev	20.763	16.046	19.917



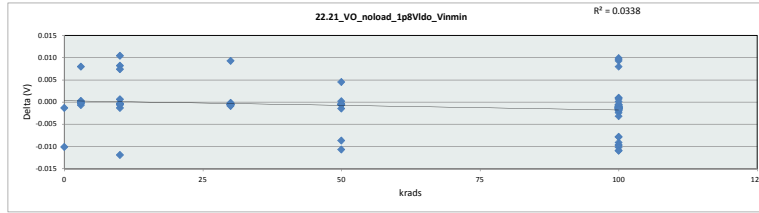
22_20_VO_LoadReqsnk1A_1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	42.275	1.182	0.428	0.498	0.825	0.100
Average	42.325	39.118	30.405	29.870	39.098	36.107
Max	42.374	45.022	44.917	44.459	45.016	45.128
UL	200.000	200.000	200.000	200.000	200.000	200.000



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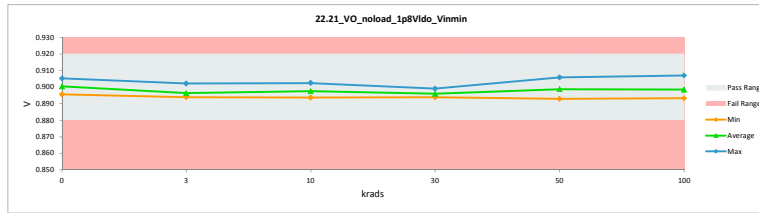
22_21_VO_noload_1p8VIdo_Vinmin		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	0.92	0.88
Min Limit	0.88	0.88

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.895	0.905	-0.010
3	A116_Biased	0.905	0.897	0.008
3	A117_Biased	0.894	0.894	0.000
3	B36_Biased	0.895	0.895	0.000
3	B37_Biased	0.896	0.896	0.000
3	C39_Biased	0.895	0.895	0.000
3	A118_Unbiased	0.898	0.898	0.000
3	A140_Unbiased	0.895	0.896	-0.001
3	B38_Unbiased	0.896	0.897	0.000
3	B39_Unbiased	0.902	0.902	0.000
3	C40_Unbiased	0.894	0.894	0.000
10	A119_Biased	0.905	0.897	0.008
10	A120_Biased	0.906	0.898	0.007
10	B40_Biased	0.894	0.894	0.000
10	C41_Biased	0.896	0.897	-0.001
10	C42_Biased	0.897	0.899	-0.001
10	A121_Unbiased	0.894	0.894	0.010
10	A124_Unbiased	0.890	0.902	-0.012
10	B41_Unbiased	0.898	0.898	0.000
10	C43_Unbiased	0.903	0.902	0.001
10	C44_Unbiased	0.893	0.894	-0.001
30	A125_Biased	0.895	0.896	0.000
30	B42_Biased	0.893	0.894	-0.001
30	B43_Biased	0.895	0.896	-0.001
30	C45_Biased	0.899	0.899	0.000
30	C46_Biased	0.894	0.894	-0.001
30	A127_Unbiased	0.895	0.896	-0.001
30	B45_Unbiased	0.893	0.894	-0.001
30	B47_Unbiased	0.898	0.899	0.000
30	C47_Unbiased	0.905	0.896	0.009
30	C50_Unbiased	0.894	0.895	-0.001
50	A128_Biased	0.897	0.897	0.000
50	A129_Biased	0.898	0.898	-0.001
50	B48_Biased	0.894	0.895	-0.001
50	B49_Biased	0.905	0.904	0.000
50	C51_Biased	0.897	0.898	-0.001
50	A130_Unbiased	0.892	0.893	0.000
50	A131_Unbiased	0.895	0.895	0.000
50	B50_Unbiased	0.895	0.904	-0.009
50	B51_Unbiased	0.897	0.902	0.005
50	C53_Unbiased	0.895	0.906	-0.011
0	106_Corr	0.894	0.896	-0.001
100	A132_Biased	0.896	0.905	-0.010
100	A134_Biased	0.904	0.903	0.001
100	A135_Biased	0.896	0.896	-0.001
100	B52_Biased	0.902	0.901	0.001
100	B54_Biased	0.894	0.895	-0.001
100	B55_Biased	0.896	0.897	-0.001
100	B56_Biased	0.897	0.898	-0.001
100	B57_Biased	0.898	0.900	-0.002
100	B59_Biased	0.893	0.894	-0.001
100	B62_Biased	0.896	0.897	-0.001
100	B63_Biased	0.895	0.896	-0.002
100	B64_Biased	0.897	0.899	-0.002
100	B66_Biased	0.904	0.896	0.008
100	B68_Biased	0.894	0.897	-0.002
100	C54_Biased	0.904	0.894	0.010
100	C55_Biased	0.895	0.896	-0.001
100	C56_Biased	0.897	0.899	-0.002
100	C57_Biased	0.896	0.905	-0.009
100	C58_Biased	0.895	0.896	-0.002
100	C59_Biased	0.897	0.898	-0.001
100	C65_Biased	0.894	0.896	0.000
100	C67_Biased	0.897	0.906	-0.010
100	A122_Unbiased	0.898	0.899	-0.001
100	A138_Unbiased	0.897	0.898	-0.001
100	A139_Unbiased	0.895	0.896	-0.001
100	B60_Unbiased	0.893	0.901	-0.008
100	B61_Unbiased	0.895	0.898	-0.003
100	B69_Unbiased	0.893	0.903	-0.010
100	B70_Unbiased	0.895	0.896	-0.002
100	B71_Unbiased	0.893	0.894	-0.001
100	B72_Unbiased	0.895	0.896	-0.001
100	B73_Unbiased	0.903	0.893	0.009
100	B74_Unbiased	0.892	0.893	-0.001
100	B77_Unbiased	0.894	0.895	-0.001
100	B78_Unbiased	0.894	0.895	-0.001
100	B79_Unbiased	0.893	0.895	-0.002
100	B80_Unbiased	0.894	0.895	0.000
100	C70_Unbiased	0.902	0.902	0.001
100	C71_Unbiased	0.905	0.906	-0.011
100	C72_Unbiased	0.895	0.896	-0.002
100	C73_Unbiased	0.904	0.895	0.010
100	C75_Unbiased	0.895	0.906	-0.011
100	C76_Unbiased	0.899	0.907	-0.008
100	C79_Unbiased	0.905	0.905	0.000
	Max	0.906	0.907	0.010
	Average	0.897	0.898	-0.001
	Min	0.890	0.893	-0.012
	Std Dev	0.004	0.004	0.005



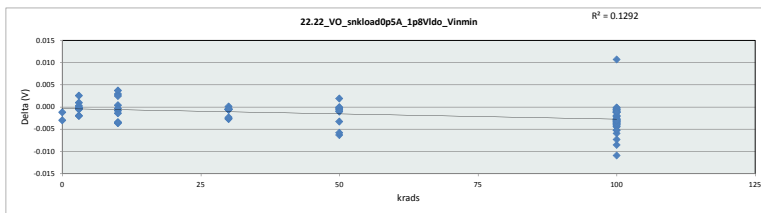
22_21_VO_noload_1p8VIdo_Vinmin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.92					
Min Limit	0.88					

krads	0	3	10	30	50	100
LL	0.880	0.880	0.880	0.880	0.880	0.880
Min	0.896	0.894	0.894	0.894	0.893	0.893
Average	0.900	0.896	0.898	0.896	0.899	0.898
Max	0.905	0.902	0.902	0.899	0.906	0.907
UL	0.920	0.920	0.920	0.920	0.920	0.920

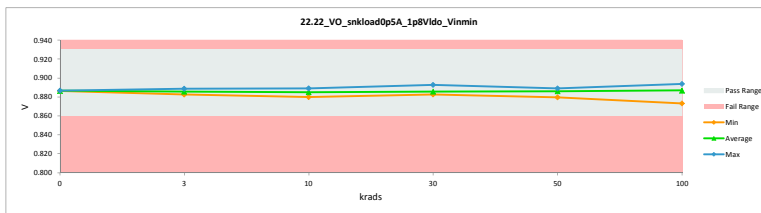


TID 100krad HDR Report
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22_22_VO_snkloadOp5A_1p8VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.93	0.93		
Min Limit	0.86	0.86		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.886	0.887	-0.001
3	A116_Biased	0.889	0.887	0.003
3	A117_Biased	0.884	0.883	0.001
3	B36_Biased	0.886	0.886	0.000
3	B37_Biased	0.885	0.886	0.000
3	C39_Biased	0.885	0.885	0.000
3	A118_Unbiased	0.889	0.889	0.000
3	A140_Unbiased	0.886	0.887	-0.002
3	B38_Unbiased	0.887	0.887	0.000
3	B39_Unbiased	0.883	0.884	-0.001
3	C40_Unbiased	0.883	0.885	-0.002
10	A119_Biased	0.888	0.888	0.003
10	A120_Biased	0.892	0.888	0.004
10	B40_Biased	0.884	0.884	0.000
10	C41_Biased	0.887	0.888	-0.001
10	C42_Biased	0.885	0.889	-0.004
10	A121_Unbiased	0.880	0.880	0.002
10	A124_Unbiased	0.879	0.880	-0.001
10	B41_Unbiased	0.888	0.888	0.000
10	C43_Unbiased	0.879	0.883	-0.003
10	C44_Unbiased	0.881	0.885	-0.003
30	A125_Biased	0.884	0.884	0.000
30	B42_Biased	0.883	0.884	-0.001
30	B43_Biased	0.885	0.886	-0.001
30	C45_Biased	0.890	0.893	-0.003
30	C46_Biased	0.881	0.883	-0.003
30	A127_Unbiased	0.883	0.883	0.001
30	B45_Unbiased	0.882	0.883	-0.001
30	B47_Unbiased	0.891	0.892	0.000
30	C47_Unbiased	0.885	0.886	0.000
30	C50_Unbiased	0.883	0.886	-0.002
50	A128_Biased	0.886	0.886	0.000
50	A129_Biased	0.889	0.889	0.000
50	B48_Biased	0.883	0.883	0.000
50	B49_Biased	0.890	0.888	0.002
50	C51_Biased	0.885	0.889	-0.003
50	A130_Unbiased	0.880	0.880	0.000
50	A131_Unbiased	0.885	0.886	-0.001
50	B50_Unbiased	0.886	0.887	-0.001
50	B51_Unbiased	0.880	0.887	-0.006
50	C53_Unbiased	0.882	0.888	-0.006
0	106_Corr	0.883	0.886	-0.003
100	A132_Biased	0.884	0.887	-0.003
100	A134_Biased	0.884	0.873	0.011
100	A135_Biased	0.884	0.885	-0.001
100	B52_Biased	0.880	0.880	0.000
100	B54_Biased	0.882	0.882	0.000
100	B55_Biased	0.888	0.890	-0.002
100	B56_Biased	0.887	0.891	-0.004
100	B57_Biased	0.890	0.894	-0.004
100	B59_Biased	0.883	0.884	-0.001
100	B62_Biased	0.886	0.890	-0.004
100	B63_Biased	0.883	0.887	-0.004
100	B64_Biased	0.886	0.891	-0.004
100	B66_Biased	0.883	0.886	-0.003
100	B68_Biased	0.882	0.885	-0.003
100	C54_Biased	0.880	0.882	-0.002
100	C55_Biased	0.884	0.885	-0.001
100	C56_Biased	0.887	0.888	-0.002
100	C57_Biased	0.885	0.888	-0.003
100	C58_Biased	0.883	0.885	-0.001
100	C59_Biased	0.887	0.889	-0.001
100	C65_Biased	0.884	0.887	-0.003
100	C67_Biased	0.886	0.891	-0.005
100	A122_Unbiased	0.888	0.891	-0.003
100	A138_Unbiased	0.888	0.892	-0.003
100	A139_Unbiased	0.885	0.886	-0.001
100	B60_Unbiased	0.882	0.893	-0.011
100	B61_Unbiased	0.883	0.891	-0.009
100	B69_Unbiased	0.882	0.886	-0.003
100	B70_Unbiased	0.883	0.889	-0.006
100	B71_Unbiased	0.884	0.887	-0.002
100	B72_Unbiased	0.886	0.887	-0.001
100	B73_Unbiased	0.883	0.883	0.000
100	B74_Unbiased	0.881	0.884	-0.003
100	B77_Unbiased	0.883	0.887	-0.004
100	B78_Unbiased	0.882	0.883	-0.001
100	B79_Unbiased	0.882	0.885	-0.003
100	B80_Unbiased	0.884	0.884	-0.001
100	C70_Unbiased	0.879	0.883	-0.004
100	C71_Unbiased	0.883	0.890	-0.007
100	C72_Unbiased	0.882	0.888	-0.005
100	C73_Unbiased	0.879	0.882	-0.003
100	C75_Unbiased	0.886	0.889	-0.004
100	C76_Unbiased	0.891	0.894	-0.003
100	C78_Unbiased	0.890	0.891	-0.001
	Max	0.892	0.894	0.011
	Average	0.885	0.886	-0.002
	Min	0.879	0.873	-0.011
	Std Dev	0.003	0.004	0.003

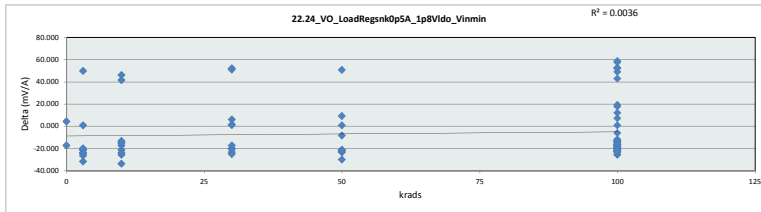


22_22_VO_snkloadOp5A_1p8VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.93	V				
Min Limit	0.86	V				
krads	0	3	10	30	50	100
LL	0.860	0.860	0.860	0.860	0.860	0.860
Min	0.886	0.883	0.880	0.883	0.880	0.873
Average	0.887	0.886	0.885	0.886	0.886	0.887
Max	0.887	0.889	0.889	0.893	0.889	0.894
UL	0.930	0.930	0.930	0.930	0.930	0.930

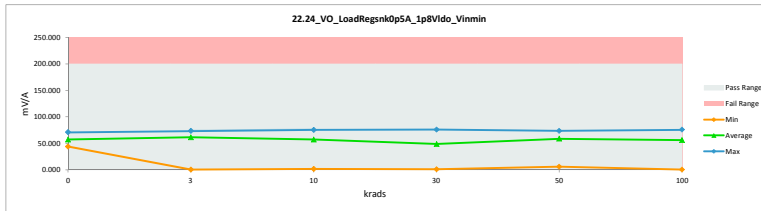


TID 100krad HDR Report
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22_24_VO_LoadReqsKOp5A_1ps				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	48.276	43.985	4.291
3	A116_Biased	39.876	71.533	-31.657
3	A117_Biased	50.576	0.634	49.942
3	B36_Biased	47.178	46.386	0.792
3	B37_Biased	49.073	73.242	-24.169
3	C39_Biased	48.055	72.853	-24.798
3	A118_Unbiased	45.387	69.255	-23.868
3	A140_Unbiased	48.276	69.562	-21.586
3	B38_Unbiased	47.354	68.436	-21.082
3	B39_Unbiased	46.580	72.983	-26.403
3	C40_Unbiased	51.198	71.064	-19.866
10	A119_Biased	43.401	1.879	41.522
10	A120_Biased	37.500	71.065	-33.565
10	B40_Biased	48.189	73.775	-25.586
10	C41_Biased	45.071	66.447	-21.376
10	C42_Biased	54.225	67.600	-13.375
10	A121_Unbiased	50.764	4.742	46.022
10	A124_Unbiased	54.934	72.142	-17.208
10	B41_Unbiased	46.304	70.190	-23.886
10	C43_Unbiased	60.227	75.279	-15.052
10	C44_Unbiased	56.113	70.924	-14.811
30	A125_Biased	52.397	1.383	51.014
30	B42_Biased	50.591	49.106	1.485
30	B43_Biased	50.349	73.677	-23.328
30	C45_Biased	41.743	35.647	6.096
30	C46_Biased	56.078	75.843	-19.765
30	A127_Unbiased	54.225	1.994	52.231
30	B45_Unbiased	51.943	50.912	1.031
30	B47_Unbiased	39.433	60.054	-20.621
30	C47_Unbiased	47.007	72.072	-25.065
30	C50_Unbiased	51.719	69.074	-17.295
50	A128_Biased	49.006	72.479	-23.473
50	A129_Biased	44.354	67.381	-23.027
50	B48_Biased	51.668	50.645	1.023
50	B49_Biased	39.644	69.580	-29.916
50	C51_Biased	52.605	43.384	9.221
50	A130_Unbiased	56.625	6.006	50.619
50	A131_Unbiased	49.078	70.304	-21.226
50	B50_Unbiased	47.363	68.692	-21.329
50	B51_Unbiased	51.726	73.760	-21.834
50	C53_Biased	57.554	65.816	-8.262
0	106_Corr	53.577	70.925	-17.348
100	A132_Biased	50.034	68.888	-18.854
100	A134_Biased	47.826	4.926	42.900
100	A135_Biased	53.596	73.993	-22.397
100	B52_Biased	51.949	51.127	0.822
100	B54_Biased	53.647	1.601	52.046
100	B55_Biased	42.498	63.257	-20.759
100	B56_Biased	45.898	62.118	-16.220
100	B57_Biased	42.104	56.979	-14.875
100	B59_Biased	49.963	75.683	-25.720
100	B62_Biased	47.352	63.403	-16.051
100	B63_Biased	54.533	71.348	-16.815
100	B64_Biased	51.496	65.324	-13.828
100	B66_Biased	54.722	71.445	-16.723
100	B68_Biased	57.130	75.533	-18.403
100	C54_Biased	58.405	0.862	57.543
100	C55_Biased	51.026	74.435	-23.409
100	C56_Biased	47.922	67.714	-19.792
100	C57_Biased	50.213	69.152	-18.939
100	C58_Biased	51.544	74.092	-22.548
100	C59_Biased	45.699	67.981	-22.282
100	C65_Biased	50.072	67.383	-17.266
100	C67_Biased	48.210	36.065	12.145
100	A122_Unbiased	45.429	65.047	-19.618
100	A138_Unbiased	43.138	59.656	-16.518
100	A139_Unbiased	47.738	73.051	-25.313
100	B60_Unbiased	54.189	36.228	17.961
100	B61_Unbiased	55.055	35.740	19.315
100	B69_Unbiased	54.189	71.519	-17.330
100	B70_Unbiased	55.055	66.842	-11.787
100	B71_Unbiased	47.977	67.616	-19.339
100	B72_Unbiased	46.011	68.221	-22.210
100	B73_Unbiased	49.813	0.894	48.919
100	B74_Unbiased	55.111	74.199	-19.088
100	B77_Unbiased	53.349	65.998	-12.649
100	B78_Unbiased	53.857	0.462	52.895
100	B79_Unbiased	55.154	74.783	-19.629
100	B80_Unbiased	50.824	74.008	-23.184
100	C70_Unbiased	58.327	72.032	-13.705
100	C71_Unbiased	56.289	62.303	-6.014
100	C72_Unbiased	54.836	67.943	-13.107
100	C73_Unbiased	59.357	0.427	58.930
100	C75_Unbiased	48.086	63.052	-14.966
100	C76_Unbiased	40.831	33.556	7.275
100	C79_Unbiased	39.793	61.669	-21.876
	Max	60.227	75.843	58.930
	Average	49.944	56.298	-6.354
	Min	37.500	0.427	-33.565
	Std Dev	5.029	24.202	25.297

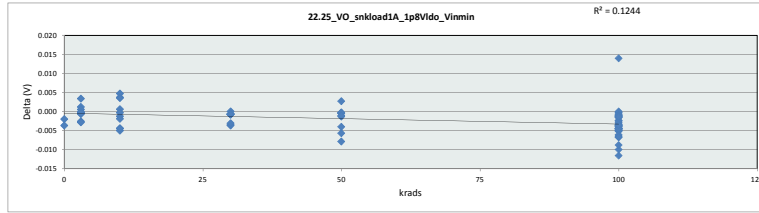


22_24_VO_LoadReqsKOp5A_1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	43.985	0.634	1.879	1.383	6.006	0.427
Average	57.455	61.625	57.404	48.970	58.803	55.880
Max	70.925	73.242	75.279	75.843	73.760	75.683
UL	200.000	200.000	200.000	200.000	200.000	200.000

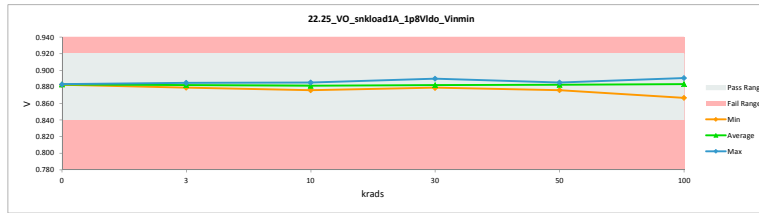


TID 100krad HDR Report
TPS7H3301-SP

22_25_VO_snkload1A_1p8VIdo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.92	0.92		
Min Limit	0.84	0.84		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.881	0.883	-0.002
3	A116_Biased	0.886	0.883	-0.003
3	A117_Biased	0.880	0.879	-0.001
3	B36_Biased	0.882	0.882	0.000
3	B37_Biased	0.882	0.882	0.000
3	C39_Biased	0.881	0.881	0.000
3	A118_Unbiased	0.885	0.885	0.000
3	A140_Unbiased	0.881	0.884	-0.003
3	B38_Unbiased	0.883	0.884	-0.001
3	B39_Unbiased	0.881	0.881	-0.001
3	C40_Unbiased	0.879	0.882	-0.003
10	A119_Biased	0.885	0.881	0.004
10	A120_Biased	0.889	0.885	0.005
10	B40_Biased	0.881	0.880	0.001
10	C41_Biased	0.883	0.885	-0.001
10	C42_Biased	0.881	0.885	-0.004
10	A121_Unbiased	0.879	0.876	0.004
10	A124_Unbiased	0.875	0.877	-0.002
10	B41_Unbiased	0.884	0.885	0.000
10	C43_Unbiased	0.875	0.880	-0.005
10	C44_Unbiased	0.877	0.881	-0.004
30	A125_Biased	0.880	0.880	0.000
30	B42_Biased	0.879	0.880	-0.001
30	B43_Biased	0.881	0.882	-0.001
30	C45_Biased	0.886	0.890	-0.003
30	C46_Biased	0.876	0.880	-0.004
30	A127_Unbiased	0.879	0.879	-0.001
30	B45_Unbiased	0.878	0.879	-0.001
30	B47_Unbiased	0.888	0.888	-0.001
30	C47_Unbiased	0.881	0.882	-0.001
30	C50_Unbiased	0.879	0.882	-0.003
50	A128_Biased	0.882	0.882	0.000
50	A129_Biased	0.885	0.885	0.000
50	B48_Biased	0.879	0.879	0.000
50	B49_Biased	0.887	0.884	0.003
50	C51_Biased	0.881	0.888	-0.004
50	A130_Unbiased	0.876	0.876	0.000
50	A131_Unbiased	0.881	0.882	-0.001
50	B50_Unbiased	0.882	0.883	-0.001
50	B51_Unbiased	0.877	0.883	-0.006
50	C53_Unbiased	0.877	0.885	-0.008
0	106_Corr	0.879	0.883	-0.004
100	A132_Biased	0.880	0.884	-0.004
100	A134_Biased	0.881	0.867	0.014
100	A135_Biased	0.880	0.881	-0.001
100	B52_Biased	0.877	0.877	0.000
100	B54_Biased	0.878	0.878	0.000
100	B55_Biased	0.884	0.887	-0.002
100	B56_Biased	0.884	0.888	-0.005
100	B57_Biased	0.886	0.891	-0.005
100	B59_Biased	0.879	0.880	-0.001
100	B62_Biased	0.882	0.887	-0.005
100	B63_Biased	0.879	0.883	-0.004
100	B64_Biased	0.882	0.887	-0.005
100	B66_Biased	0.878	0.882	-0.004
100	B68_Biased	0.878	0.881	-0.003
100	C54_Biased	0.876	0.879	-0.003
100	C55_Biased	0.880	0.881	-0.002
100	C56_Biased	0.882	0.885	-0.002
100	C57_Biased	0.880	0.885	-0.004
100	C58_Biased	0.879	0.881	-0.001
100	C59_Biased	0.883	0.885	-0.002
100	C65_Biased	0.880	0.884	-0.004
100	C67_Biased	0.882	0.888	-0.006
100	A122_Unbiased	0.884	0.888	-0.004
100	A138_Unbiased	0.885	0.888	-0.004
100	A139_Unbiased	0.881	0.882	-0.001
100	B60_Unbiased	0.878	0.878	-0.012
100	B61_Unbiased	0.878	0.888	-0.010
100	B69_Unbiased	0.878	0.882	-0.004
100	B70_Unbiased	0.878	0.885	-0.007
100	B71_Unbiased	0.881	0.883	-0.003
100	B72_Unbiased	0.882	0.883	-0.001
100	B73_Unbiased	0.879	0.879	0.000
100	B74_Unbiased	0.877	0.880	-0.004
100	B77_Unbiased	0.879	0.883	-0.005
100	B78_Unbiased	0.879	0.879	-0.001
100	B79_Unbiased	0.877	0.881	-0.003
100	B80_Unbiased	0.880	0.881	-0.001
100	C70_Unbiased	0.875	0.881	-0.006
100	C71_Unbiased	0.878	0.887	-0.009
100	C72_Unbiased	0.878	0.885	-0.007
100	C73_Unbiased	0.875	0.879	-0.004
100	C75_Unbiased	0.882	0.886	-0.004
100	C76_Unbiased	0.887	0.891	-0.004
100	C78_Unbiased	0.887	0.888	-0.001
	Max	0.889	0.891	0.014
	Average	0.881	0.883	-0.002
	Min	0.875	0.867	-0.012
	Std Dev	0.003	0.004	0.003

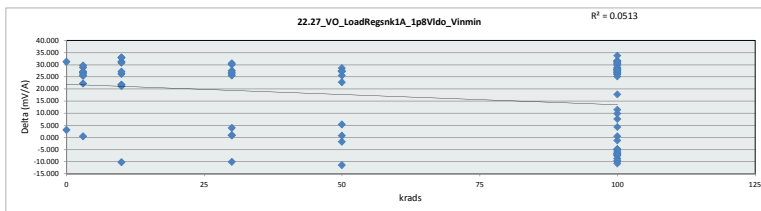


22_25_VO_snkload1A_1p8VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.92	V				
Min Limit	0.84	V				
krads	0	3	10	30	50	100
LL	0.840	0.840	0.840	0.840	0.840	0.840
Min	0.883	0.879	0.876	0.879	0.876	0.867
Average	0.883	0.882	0.881	0.882	0.882	0.883
Max	0.883	0.885	0.885	0.890	0.885	0.891
UL	0.920	0.920	0.920	0.920	0.920	0.920

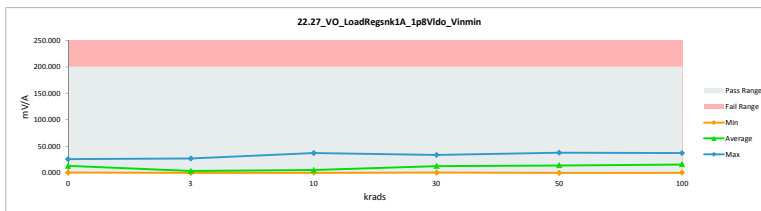


TID 100krad HDR Report
TPS7H3301-SP

22.27_VO_LoadReqsnk1A_1p8Vt				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	28.877	25.858	3.019
3	A116_Biased	23.221	1.030	22.191
3	A117_Biased	29.240	3.897	25.343
3	B36_Biased	27.696	27.207	0.489
3	B37_Biased	28.898	1.902	26.996
3	C39_Biased	28.028	1.481	26.547
3	A118_Unbiased	26.865	0.179	26.686
3	A140_Unbiased	28.877	0.016	28.861
3	B38_Unbiased	27.848	0.767	27.081
3	B39_Unbiased	26.558	0.873	25.685
3	C40_Unbiased	29.874	0.306	29.568
10	A119_Biased	25.055	3.347	21.708
10	A120_Biased	22.043	0.852	21.191
10	B40_Biased	28.087	1.946	26.141
10	C41_Biased	26.909	37.229	-10.320
10	C42_Biased	32.276	1.015	31.261
10	A121_Unbiased	28.649	6.969	21.689
10	A124_Unbiased	31.337	0.584	30.753
10	B41_Unbiased	27.488	0.428	27.060
10	C43_Unbiased	35.159	2.206	32.953
10	C44_Unbiased	33.160	0.241	32.919
30	A125_Biased	30.999	4.844	25.555
30	B42_Biased	29.855	29.037	0.818
30	B43_Biased	29.566	2.003	27.563
30	C45_Biased	24.977	21.062	3.915
30	C46_Biased	32.873	2.350	30.523
30	A127_Unbiased	31.815	5.349	26.166
30	B45_Unbiased	30.436	29.670	0.766
30	B47_Unbiased	23.803	33.949	-10.146
30	C47_Unbiased	28.041	1.133	26.908
30	C50_Unbiased	30.610	0.610	30.284
50	A128_Biased	28.697	1.251	27.446
50	A129_Biased	26.310	37.828	-11.518
50	B48_Biased	30.229	29.545	0.684
50	B49_Biased	23.152	0.330	22.822
50	C51_Biased	31.881	26.020	5.361
50	A130_Unbiased	32.681	7.180	25.501
50	A131_Unbiased	28.689	0.147	28.542
50	B50_Unbiased	27.791	0.520	27.271
50	B51_Unbiased	29.377	2.064	27.313
50	C53_Unbiased	34.381	36.208	-1.827
0	106_Corr	31.885	0.621	31.264
100	A132_Biased	29.467	0.903	28.564
100	A134_Biased	27.304	9.595	17.709
100	A135_Biased	30.095	2.007	28.088
100	B52_Biased	29.290	28.831	0.459
100	B54_Biased	31.223	5.162	26.061
100	B55_Biased	25.512	35.542	-10.030
100	B56_Biased	27.337	34.416	-7.079
100	B57_Biased	25.356	31.915	-6.559
100	B59_Biased	29.530	3.018	26.512
100	B62_Biased	28.192	34.985	-6.793
100	B63_Biased	32.264	0.638	31.626
100	B64_Biased	30.048	26.951	-6.003
100	B66_Biased	32.479	0.823	31.656
100	B68_Biased	33.439	2.855	30.584
100	C54_Biased	34.373	4.570	29.803
100	C55_Biased	30.102	2.292	27.810
100	C56_Biased	28.689	1.006	27.683
100	C57_Biased	29.665	0.832	28.833
100	C58_Biased	30.331	2.195	28.136
100	C59_Biased	27.493	0.682	26.811
100	C65_Biased	29.521	27.030	-7.509
100	C67_Biased	28.922	21.407	7.515
100	A122_Unbiased	27.211	35.894	-8.683
100	A138_Unbiased	25.713	33.201	-7.488
100	A139_Unbiased	28.176	1.283	26.893
100	B60_Unbiased	31.815	21.945	9.870
100	B61_Unbiased	32.538	21.146	11.392
100	B69_Unbiased	31.815	0.416	31.399
100	B70_Unbiased	32.538	37.445	-4.907
100	B71_Unbiased	28.101	27.510	-9.409
100	B72_Unbiased	27.045	0.973	26.072
100	B73_Unbiased	29.306	4.158	25.148
100	B74_Unbiased	32.399	1.701	30.698
100	B77_Unbiased	31.700	36.949	-5.249
100	B78_Unbiased	31.999	3.872	27.227
100	B79_Unbiased	32.632	2.505	30.127
100	B80_Unbiased	29.874	1.847	28.027
100	C70_Unbiased	34.046	0.294	33.752
100	C71_Unbiased	33.503	34.804	-1.301
100	C72_Unbiased	32.388	37.256	-4.868
100	C73_Unbiased	34.885	3.724	31.161
100	C75_Unbiased	28.430	35.128	-6.698
100	C76_Unbiased	24.804	20.498	4.306
100	C79_Unbiased	23.994	34.144	-10.750
	Max	35.159	37.828	33.752
	Average	29.392	12.724	16.668
	Min	22.043	0.016	-11.518
	Std Dev	2.892	14.775	15.439

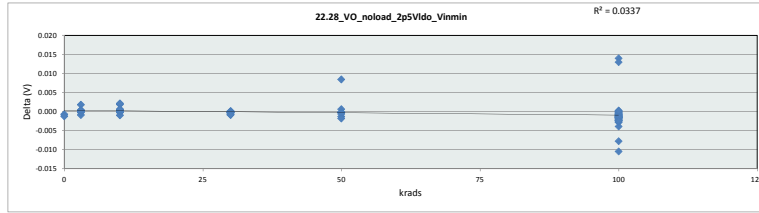


22.27_VO_LoadReqsnk1A_1p8Vt					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	200	mV/A			
Min Limit	0	mV/A			
krads	0	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	0.621	0.016	0.241	0.610	0.147
Average	13.240	3.766	5.481	13.001	14.109
Max	25.898	27.207	37.229	33.949	37.828
UL	200.000	200.000	200.000	200.000	200.000

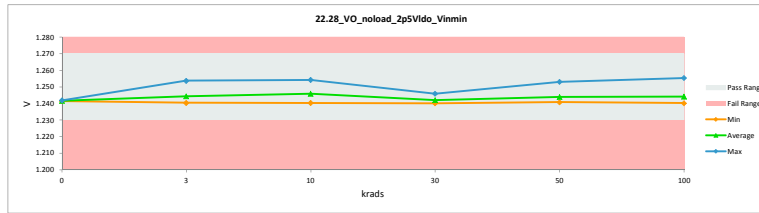


TID 100krad HDR Report
TPS7H3301-SP

22_28_VO_noload_2p5VIdo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.27	1.27		
Min Limit	1.23	1.23		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.241	1.242	-0.001
3	A116_Biased	1.245	1.243	0.002
3	A117_Biased	1.240	1.240	0.000
3	B36_Biased	1.241	1.241	0.000
3	B37_Biased	1.242	1.242	0.000
3	C39_Biased	1.241	1.241	0.000
3	A118_Unbiased	1.245	1.245	0.000
3	A140_Unbiased	1.241	1.242	-0.001
3	B38_Unbiased	1.243	1.243	0.000
3	B39_Unbiased	1.253	1.253	0.000
3	C40_Unbiased	1.254	1.254	0.000
10	A119_Biased	1.245	1.243	0.002
10	A120_Biased	1.247	1.245	0.002
10	B40_Biased	1.240	1.240	0.000
10	C41_Biased	1.242	1.243	0.000
10	C42_Biased	1.243	1.244	-0.001
10	A121_Unbiased	1.241	1.240	0.001
10	A124_Unbiased	1.252	1.252	0.000
10	B41_Unbiased	1.245	1.245	0.000
10	C43_Unbiased	1.253	1.253	0.000
10	C44_Unbiased	1.255	1.254	0.000
30	A125_Biased	1.242	1.242	0.000
30	B42_Biased	1.240	1.241	0.000
30	B43_Biased	1.241	1.242	0.000
30	C45_Biased	1.245	1.246	-0.001
30	C46_Biased	1.240	1.240	0.000
30	A127_Unbiased	1.242	1.242	0.000
30	B45_Unbiased	1.240	1.240	0.000
30	B47_Unbiased	1.245	1.245	0.000
30	C47_Unbiased	1.241	1.242	0.000
30	C50_Unbiased	1.240	1.241	-0.001
50	A128_Biased	1.243	1.243	0.000
50	A129_Biased	1.244	1.244	0.000
50	B48_Biased	1.241	1.241	0.000
50	B49_Biased	1.245	1.244	0.001
50	C51_Biased	1.243	1.244	-0.001
50	A130_Unbiased	1.253	1.253	0.000
50	A131_Unbiased	1.241	1.241	0.000
50	B50_Unbiased	1.241	1.242	-0.001
50	B51_Unbiased	1.252	1.244	0.008
50	C53_Unbiased	1.241	1.243	-0.002
0	106_Corr	1.240	1.241	-0.001
100	A132_Biased	1.242	1.244	-0.002
100	A134_Biased	1.240	1.240	0.000
100	A135_Biased	1.241	1.242	-0.001
100	B52_Biased	1.252	1.252	0.000
100	B54_Biased	1.240	1.241	-0.001
100	B55_Biased	1.242	1.244	-0.002
100	B56_Biased	1.243	1.245	-0.002
100	B57_Biased	1.244	1.247	-0.002
100	B59_Biased	1.240	1.240	0.000
100	B62_Biased	1.242	1.243	-0.002
100	B63_Biased	1.240	1.242	-0.002
100	B64_Biased	1.243	1.245	-0.002
100	B66_Biased	1.241	1.242	-0.002
100	B68_Biased	1.240	1.243	-0.002
100	C54_Biased	1.240	1.241	-0.001
100	C55_Biased	1.240	1.241	-0.001
100	C56_Biased	1.244	1.245	-0.001
100	C57_Biased	1.242	1.244	-0.002
100	C58_Biased	1.241	1.242	-0.002
100	C59_Biased	1.243	1.244	-0.001
100	C65_Biased	1.240	1.242	-0.002
100	C67_Biased	1.243	1.245	-0.003
100	A122_Unbiased	1.244	1.245	-0.001
100	A138_Unbiased	1.243	1.244	-0.001
100	A139_Unbiased	1.242	1.242	0.000
100	B60_Unbiased	1.240	1.248	-0.008
100	B61_Unbiased	1.241	1.245	-0.004
100	B69_Unbiased	1.240	1.242	-0.001
100	B70_Unbiased	1.241	1.243	-0.003
100	B71_Unbiased	1.254	1.240	0.014
100	B72_Unbiased	1.241	1.242	-0.001
100	B73_Unbiased	1.253	1.253	0.000
100	B74_Unbiased	1.253	1.253	0.000
100	B77_Unbiased	1.240	1.241	-0.001
100	B78_Unbiased	1.240	1.241	-0.001
100	B79_Unbiased	1.241	1.241	0.000
100	B80_Unbiased	1.240	1.241	-0.001
100	C70_Unbiased	1.253	1.252	0.000
100	C71_Unbiased	1.241	1.243	-0.002
100	C72_Unbiased	1.240	1.242	-0.002
100	C73_Unbiased	1.254	1.241	0.013
100	C75_Unbiased	1.241	1.242	-0.001
100	C76_Unbiased	1.246	1.248	-0.003
100	C79_Unbiased	1.245	1.255	-0.011
	Max	1.255	1.255	0.014
	Average	1.244	1.244	0.000
	Min	1.240	1.240	-0.011
	Std Dev	0.004	0.004	0.003

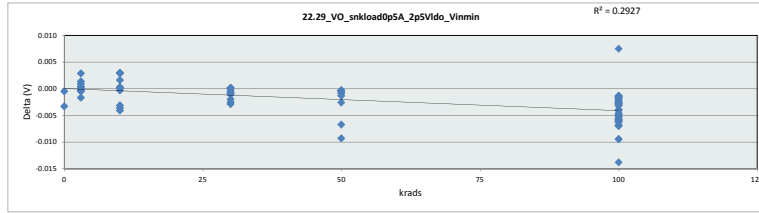


22_28_VO_noload_2p5VIdo_Vinmin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.27	V				
Min Limit	1.23	V				
krads	0	3	10	30	50	100
LL	1.230	1.230	1.230	1.230	1.230	1.230
Min	1.241	1.240	1.240	1.240	1.241	1.240
Average	1.242	1.244	1.246	1.246	1.244	1.244
Max	1.242	1.254	1.254	1.246	1.253	1.255
UL	1.270	1.270	1.270	1.270	1.270	1.270

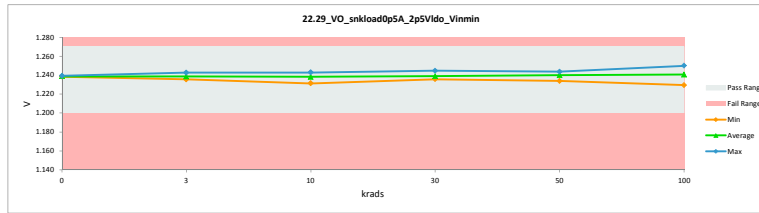


TID 100krad HDR Report
TPS7H3301-SP

22_29_VO_snkloadOp5A_2p5VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.27	1.27		
Min Limit	1.2	1.2		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.239	1.239	0.000
3	A116_Biased	1.244	1.241	0.003
3	A117_Biased	1.237	1.235	0.001
3	B36_Biased	1.238	1.238	0.000
3	B37_Biased	1.239	1.239	0.000
3	C39_Biased	1.238	1.237	0.001
3	A118_Unbiased	1.243	1.243	0.000
3	A140_Unbiased	1.239	1.240	-0.002
3	B38_Unbiased	1.240	1.240	0.000
3	B39_Unbiased	1.236	1.237	0.000
3	C40_Unbiased	1.235	1.236	0.000
10	A119_Biased	1.242	1.239	0.003
10	A120_Biased	1.246	1.243	0.003
10	B40_Biased	1.237	1.237	0.000
10	C41_Biased	1.240	1.240	0.000
10	C42_Biased	1.239	1.243	-0.004
10	A121_Unbiased	1.236	1.234	0.002
10	A124_Unbiased	1.232	1.231	0.000
10	B41_Unbiased	1.243	1.243	0.000
10	C43_Unbiased	1.231	1.235	-0.004
10	C44_Unbiased	1.234	1.237	-0.003
30	A125_Biased	1.238	1.237	0.000
30	B42_Biased	1.236	1.238	-0.002
30	B43_Biased	1.238	1.239	-0.001
30	C45_Biased	1.244	1.245	-0.001
30	C46_Biased	1.233	1.236	-0.003
30	A127_Unbiased	1.237	1.238	0.000
30	B45_Unbiased	1.236	1.236	0.000
30	B47_Unbiased	1.243	1.243	0.000
30	C47_Unbiased	1.238	1.239	-0.001
30	C50_Unbiased	1.235	1.238	-0.003
50	A128_Biased	1.240	1.240	0.000
50	A129_Biased	1.242	1.243	-0.001
50	B48_Biased	1.237	1.237	0.000
50	B49_Biased	1.243	1.244	0.000
50	C51_Biased	1.240	1.243	-0.003
50	A130_Unbiased	1.233	1.234	-0.001
50	A131_Unbiased	1.237	1.238	-0.001
50	B50_Unbiased	1.238	1.240	-0.001
50	B51_Unbiased	1.241	1.241	-0.009
50	C53_Unbiased	1.234	1.240	-0.007
0	106_Corr	1.235	1.238	-0.003
100	A132_Biased	1.238	1.241	-0.003
100	A134_Biased	1.237	1.230	0.007
100	A135_Biased	1.236	1.238	-0.002
100	B52_Biased	1.232	1.233	-0.001
100	B54_Biased	1.236	1.237	-0.002
100	B55_Biased	1.240	1.243	-0.003
100	B56_Biased	1.241	1.245	-0.004
100	B57_Biased	1.243	1.247	-0.004
100	B59_Biased	1.236	1.238	-0.002
100	B62_Biased	1.239	1.243	-0.004
100	B63_Biased	1.235	1.241	-0.006
100	B64_Biased	1.238	1.245	-0.007
100	B66_Biased	1.235	1.241	-0.006
100	B68_Biased	1.234	1.239	-0.005
100	C54_Biased	1.233	1.238	-0.005
100	C55_Biased	1.236	1.238	-0.002
100	C56_Biased	1.240	1.243	-0.003
100	C57_Biased	1.237	1.243	-0.006
100	C58_Biased	1.237	1.239	-0.003
100	C59_Biased	1.240	1.242	-0.002
100	C65_Biased	1.236	1.240	-0.003
100	C67_Biased	1.240	1.246	-0.006
100	A122_Unbiased	1.243	1.245	-0.003
100	A138_Unbiased	1.240	1.243	-0.002
100	A139_Unbiased	1.239	1.241	-0.002
100	B60_Unbiased	1.234	1.248	-0.014
100	B61_Unbiased	1.235	1.244	-0.009
100	B69_Unbiased	1.234	1.240	-0.006
100	B70_Unbiased	1.235	1.242	-0.007
100	B71_Unbiased	1.237	1.238	-0.001
100	B72_Unbiased	1.238	1.240	-0.002
100	B73_Unbiased	1.235	1.238	-0.003
100	B74_Unbiased	1.232	1.237	-0.005
100	B77_Unbiased	1.234	1.239	-0.005
100	B78_Unbiased	1.235	1.237	-0.002
100	B79_Unbiased	1.234	1.239	-0.005
100	B80_Unbiased	1.236	1.238	-0.002
100	C70_Unbiased	1.230	1.237	-0.007
100	C71_Unbiased	1.233	1.242	-0.010
100	C72_Unbiased	1.234	1.240	-0.006
100	C73_Unbiased	1.231	1.237	-0.006
100	C75_Unbiased	1.238	1.241	-0.003
100	C76_Unbiased	1.245	1.250	-0.005
100	C79_Unbiased	1.243	1.250	-0.006
	Max	1.246	1.250	0.007
	Average	1.237	1.240	-0.003
	Min	1.230	1.230	-0.014
	Std Dev	0.004	0.004	0.003

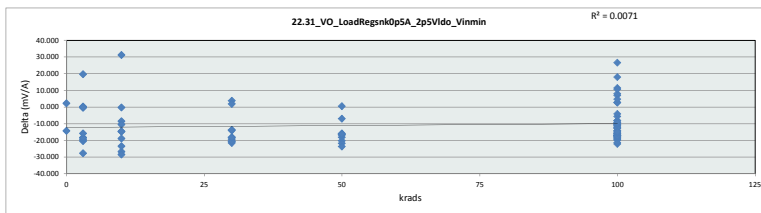


22_29_VO_snkloadOp5A_2p5VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.27	V				
Min Limit	1.2	V				
krads	0	3	10	30	50	100
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.239	1.236	1.231	1.236	1.234	1.230
Average	1.239	1.239	1.238	1.239	1.240	1.241
Max	1.239	1.243	1.243	1.245	1.244	1.250
UL	1.270	1.270	1.270	1.270	1.270	1.270

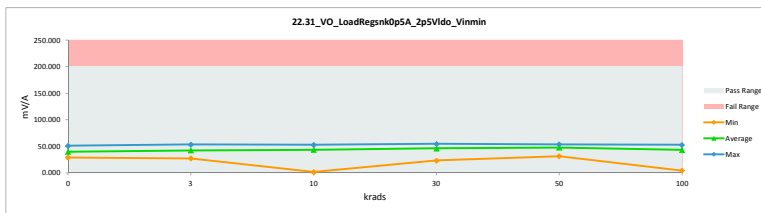


TID 100krad HDR Report
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22_31_VO_LoadReqsKnOp5A_2ps				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	30.943	28.744	2.199
3	A116_Biased	22.067	49.868	-27.801
3	A117_Biased	32.703	53.130	-20.427
3	B36_Biased	30.883	30.866	0.017
3	B37_Biased	31.322	31.076	0.246
3	C39_Biased	31.216	50.790	-19.574
3	A118_Unbiased	26.753	27.130	-0.377
3	A140_Unbiased	30.943	49.331	-18.388
3	B38_Unbiased	31.133	49.730	-18.597
3	B39_Unbiased	48.141	28.507	19.634
3	C40_Unbiased	33.239	49.051	-15.812
10	A119_Biased	25.687	52.528	-26.841
10	A120_Biased	22.061	50.472	-28.411
10	B40_Biased	31.630	31.815	-0.185
10	C41_Biased	29.584	48.435	-18.851
10	C42_Biased	34.176	48.867	-14.691
10	A121_Unbiased	32.593	1.406	31.187
10	A124_Unbiased	35.516	50.176	-14.660
10	B41_Unbiased	26.550	50.001	-23.451
10	C43_Unbiased	41.750	50.345	-8.595
10	C44_Unbiased	36.930	47.377	-10.447
30	A125_Biased	32.712	53.712	-20.959
30	B42_Biased	33.034	29.327	3.707
30	B43_Biased	32.362	50.576	-18.214
30	C45_Biased	24.786	23.009	1.777
30	C46_Biased	37.900	51.958	-14.058
30	A127_Unbiased	32.853	54.466	-21.613
30	B45_Unbiased	32.509	51.854	-19.345
30	B47_Unbiased	26.708	47.126	-20.418
30	C47_Unbiased	31.456	49.833	-18.377
30	C50_Unbiased	34.432	48.275	-13.843
50	A128_Biased	30.507	50.786	-20.279
50	A129_Biased	27.136	48.932	-21.796
50	B48_Biased	31.688	31.161	0.527
50	B49_Biased	23.086	46.846	-23.760
50	C51_Biased	34.322	30.885	18.061
50	A130_Unbiased	36.810	53.587	-16.777
50	A131_Unbiased	33.222	49.089	-15.867
50	B50_Unbiased	31.052	47.362	-16.310
50	B51_Unbiased	35.248	51.498	-16.250
50	C53_Unbiased	39.666	46.678	-7.012
0	106_Corr	36.611	50.866	-14.255
100	A132_Biased	31.962	50.447	-18.485
100	A134_Biased	30.524	3.943	26.581
100	A135_Biased	34.322	51.360	-17.038
100	B52_Biased	35.220	32.678	2.542
100	B54_Biased	34.351	31.485	2.866
100	B55_Biased	29.028	46.086	-17.058
100	B56_Biased	29.125	46.645	-17.520
100	B57_Biased	26.586	48.732	-22.146
100	B59_Biased	32.766	50.120	-17.354
100	B62_Biased	31.629	24.494	7.135
100	B63_Biased	37.983	49.126	-11.143
100	B64_Biased	35.157	47.931	-12.674
100	B66_Biased	37.846	48.384	-10.538
100	B68_Biased	39.447	51.830	-12.383
100	C54_Biased	38.524	49.916	-11.392
100	C55_Biased	34.710	51.896	-17.186
100	C56_Biased	29.437	48.739	-19.302
100	C57_Biased	32.476	46.647	-14.171
100	C58_Biased	33.590	28.763	4.827
100	C59_Biased	29.508	49.368	-19.860
100	C65_Biased	33.297	47.548	-14.251
100	C67_Biased	29.399	48.443	-19.044
100	A122_Unbiased	26.934	48.369	-21.435
100	A138_Unbiased	29.791	46.747	-16.956
100	A139_Unbiased	30.209	48.360	-18.151
100	B60_Unbiased	37.564	18.037	19.527
100	B61_Unbiased	37.013	45.110	-8.097
100	B69_Unbiased	37.564	26.163	11.401
100	B70_Unbiased	37.013	47.016	-10.003
100	B71_Unbiased	32.100	47.886	-15.786
100	B72_Unbiased	30.099	46.731	-16.632
100	B73_Unbiased	32.845	48.562	-15.717
100	B74_Unbiased	38.360	47.440	-9.080
100	B77_Unbiased	39.158	47.296	-8.138
100	B78_Unbiased	35.113	52.534	-17.421
100	B79_Unbiased	37.383	49.939	-12.556
100	B80_Unbiased	33.677	49.262	-15.585
100	C70_Unbiased	41.274	46.824	-5.550
100	C71_Unbiased	41.648	45.770	-4.122
100	C72_Unbiased	38.597	49.008	-10.411
100	C73_Unbiased	40.653	50.083	-9.430
100	C75_Unbiased	32.925	47.715	-14.790
100	C76_Unbiased	23.177	15.118	8.059
100	C79_Unbiased	23.678	12.950	10.728
	Max	48.141	54.466	31.187
	Average	32.842	43.702	-10.860
	Min	22.061	1.406	-28.411
	Std Dev	4.851	11.490	11.844



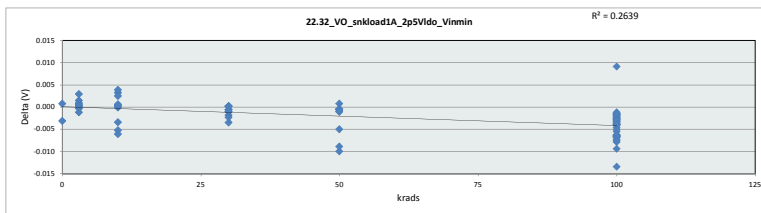
22_31_VO_LoadReqsKnOp5A_2						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	28.744	27.130	1.406	23.009	31.161	3.943
Average	39.805	41.948	43.142	46.000	47.499	43.020
Max	50.866	53.130	52.528	54.466	53.587	52.534
UL	200.000	200.000	200.000	200.000	200.000	200.000



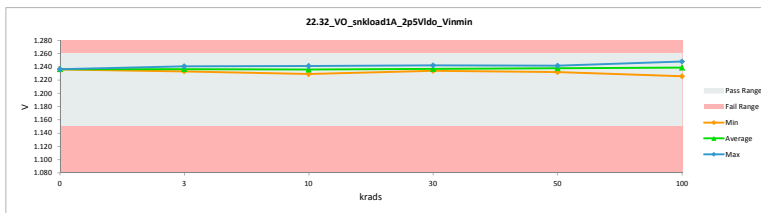
TID 100krad HDR Report
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22_32_VO_snkload1A_2p5VIdo		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	1.26	1.26
Min Limit	1.15	1.15

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.237	1.237	0.001
3	A116_Biased	1.243	1.240	0.003
3	A117_Biased	1.235	1.233	0.002
3	B36_Biased	1.236	1.236	0.000
3	B37_Biased	1.237	1.237	0.000
3	C39_Biased	1.236	1.235	0.001
3	A118_Unbiased	1.242	1.241	0.001
3	A140_Unbiased	1.237	1.238	-0.001
3	B38_Unbiased	1.237	1.237	0.000
3	B39_Unbiased	1.235	1.234	0.000
3	C40_Unbiased	1.233	1.234	0.000
10	A119_Biased	1.241	1.237	0.003
10	A120_Biased	1.244	1.241	0.003
10	B40_Biased	1.235	1.235	0.000
10	C41_Biased	1.237	1.237	0.000
10	C42_Biased	1.236	1.241	-0.005
10	A121_Unbiased	1.234	1.230	0.004
10	A124_Unbiased	1.229	1.229	0.000
10	B41_Unbiased	1.242	1.241	0.001
10	C43_Unbiased	1.227	1.233	-0.006
10	C44_Unbiased	1.231	1.235	-0.003
30	A125_Biased	1.236	1.236	0.000
30	B42_Biased	1.234	1.236	-0.002
30	B43_Biased	1.236	1.237	-0.001
30	C45_Biased	1.242	1.242	-0.001
30	C46_Biased	1.236	1.234	-0.004
30	A127_Unbiased	1.235	1.236	-0.001
30	B45_Unbiased	1.234	1.234	0.000
30	B47_Unbiased	1.240	1.240	0.000
30	C47_Unbiased	1.236	1.237	-0.001
30	C50_Unbiased	1.233	1.235	-0.002
50	A128_Biased	1.238	1.238	0.000
50	A129_Biased	1.240	1.241	-0.001
50	B48_Biased	1.235	1.236	0.000
50	B49_Biased	1.242	1.241	0.001
50	C51_Biased	1.237	1.242	-0.005
50	A130_Unbiased	1.231	1.232	-0.001
50	A131_Unbiased	1.235	1.235	-0.001
50	B50_Unbiased	1.236	1.237	-0.001
50	B51_Unbiased	1.240	1.240	-0.010
50	C53_Unbiased	1.229	1.238	-0.009
0	106_Corr	1.233	1.236	-0.003
100	A132_Biased	1.236	1.239	-0.003
100	A134_Biased	1.235	1.226	0.009
100	A135_Biased	1.234	1.236	-0.002
100	B52_Biased	1.230	1.231	-0.001
100	B54_Biased	1.234	1.236	-0.002
100	B55_Biased	1.237	1.240	-0.003
100	B56_Biased	1.239	1.243	-0.004
100	B57_Biased	1.240	1.244	-0.004
100	B59_Biased	1.234	1.236	-0.002
100	B62_Biased	1.237	1.240	-0.004
100	B63_Biased	1.232	1.239	-0.007
100	B64_Biased	1.236	1.243	-0.007
100	B66_Biased	1.233	1.239	-0.007
100	B68_Biased	1.231	1.237	-0.006
100	C54_Biased	1.230	1.236	-0.006
100	C55_Biased	1.234	1.237	-0.003
100	C56_Biased	1.238	1.242	-0.003
100	C57_Biased	1.237	1.241	-0.004
100	C58_Biased	1.234	1.238	-0.003
100	C59_Biased	1.238	1.241	-0.003
100	C65_Biased	1.234	1.237	-0.003
100	C67_Biased	1.237	1.244	-0.007
100	A122_Unbiased	1.241	1.244	-0.003
100	A138_Unbiased	1.237	1.240	-0.002
100	A139_Unbiased	1.237	1.239	-0.002
100	B60_Unbiased	1.232	1.245	-0.013
100	B61_Unbiased	1.233	1.242	-0.009
100	B69_Unbiased	1.232	1.238	-0.007
100	B70_Unbiased	1.233	1.240	-0.007
100	B71_Unbiased	1.234	1.235	-0.001
100	B72_Unbiased	1.236	1.238	-0.002
100	B73_Unbiased	1.234	1.235	-0.002
100	B74_Unbiased	1.230	1.235	-0.005
100	B77_Unbiased	1.231	1.236	-0.005
100	B78_Unbiased	1.233	1.235	-0.002
100	B79_Unbiased	1.232	1.237	-0.006
100	B80_Unbiased	1.234	1.236	-0.002
100	C70_Unbiased	1.227	1.234	-0.007
100	C71_Unbiased	1.232	1.239	-0.008
100	C72_Unbiased	1.231	1.238	-0.006
100	C73_Unbiased	1.228	1.235	-0.008
100	C75_Unbiased	1.235	1.238	-0.003
100	C76_Unbiased	1.244	1.248	-0.004
100	C79_Unbiased	1.242	1.246	-0.004
Max	1.244	1.248	0.009	
Average	1.235	1.238	-0.003	
Min	1.227	1.226	-0.013	
Std Dev	0.004	0.004	0.003	

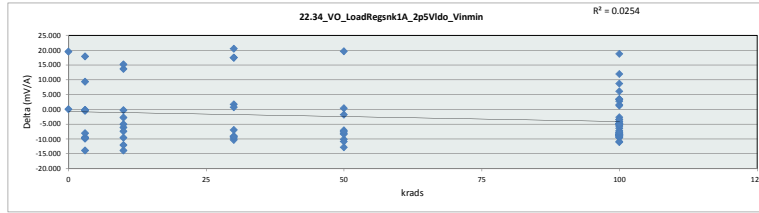


22_32_VO_snkload1A_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.26	V				
Min Limit	1.15	V				
krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.236	1.233	1.229	1.234	1.232	1.226
Average	1.236	1.236	1.236	1.237	1.238	1.239
Max	1.237	1.241	1.241	1.242	1.242	1.248
UL	1.260	1.260	1.260	1.260	1.260	1.260

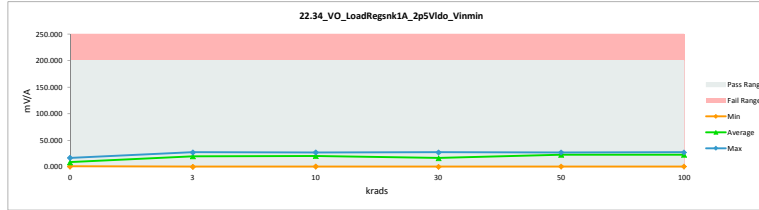


TID 100krad HDR Report
TPS7H3301-SP

22_34_VO_LoadReqsnk1A_2p5Vr				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	16.631	16.590	0.041
3	A116_Biased	12.141	26.043	-13.902
3	A117_Biased	18.110	0.159	17.951
3	B36_Biased	17.258	17.452	-0.194
3	B37_Biased	17.034	17.154	-0.120
3	C39_Biased	17.458	27.281	-9.823
3	A118_Unbiased	14.714	15.199	-0.485
3	A140_Unbiased	16.631	26.217	-9.586
3	B38_Unbiased	17.558	26.990	-9.432
3	B39_Unbiased	25.550	16.164	9.386
3	C40_Unbiased	18.349	26.405	-8.056
10	A119_Biased	14.148	0.426	13.722
10	A120_Biased	12.769	26.432	-13.663
10	B40_Biased	17.408	17.600	-0.192
10	C41_Biased	16.841	26.404	-9.563
10	C42_Biased	19.828	25.891	-6.063
10	A121_Unbiased	17.619	2.442	15.177
10	A124_Unbiased	19.601	26.986	-7.385
10	B41_Unbiased	14.251	26.261	-12.010
10	C43_Unbiased	24.159	26.848	-2.689
10	C44_Unbiased	20.688	25.689	-5.001
30	A125_Biased	17.469	0.115	17.469
30	B42_Biased	17.937	16.251	1.686
30	B43_Biased	17.680	26.712	-9.032
30	C45_Biased	14.263	13.519	0.744
30	C46_Biased	21.063	0.577	20.486
30	A127_Unbiased	18.449	0.941	17.508
30	B45_Unbiased	17.624	27.306	-9.682
30	B47_Unbiased	15.634	25.956	-10.322
30	C47_Unbiased	17.224	26.464	-9.240
30	C50_Unbiased	19.219	26.195	-6.976
50	A128_Biased	16.604	26.700	-10.096
50	A129_Biased	15.365	26.166	-10.801
50	B48_Biased	17.448	17.059	0.389
50	B49_Biased	12.799	25.560	-12.761
50	C51_Biased	18.634	25.687	-7.053
50	A130_Unbiased	19.911	0.279	19.632
50	A131_Unbiased	18.472	26.516	-8.044
50	B50_Unbiased	17.320	25.668	-8.348
50	B51_Unbiased	19.469	26.983	-7.514
50	C53_Unbiased	23.361	25.092	-1.731
0	106_Corr	20.203	0.682	19.521
100	A132_Biased	17.557	26.564	-9.007
100	A134_Biased	17.082	5.122	11.960
100	A135_Biased	18.997	27.247	-8.250
100	B52_Biased	19.439	18.161	1.278
100	B54_Biased	18.487	16.882	1.605
100	B55_Biased	16.509	25.173	-8.664
100	B56_Biased	16.175	25.014	-8.839
100	B57_Biased	15.196	26.267	-11.071
100	B59_Biased	18.082	26.488	-8.406
100	B62_Biased	17.527	14.158	3.369
100	B63_Biased	20.986	25.833	-4.847
100	B64_Biased	18.988	25.434	-6.446
100	B66_Biased	20.517	25.321	-4.804
100	B68_Biased	21.822	27.274	-5.452
100	C54_Biased	22.041	26.808	-4.767
100	C55_Biased	19.021	27.340	-8.319
100	C56_Biased	16.297	25.771	-9.474
100	C57_Biased	16.352	24.945	-8.593
100	C58_Biased	18.600	15.840	2.760
100	C59_Biased	16.888	26.097	-9.509
100	C65_Biased	18.453	25.575	-7.122
100	C67_Biased	16.818	25.719	-8.901
100	A122_Unbiased	14.651	25.482	-10.831
100	A138_Unbiased	17.039	25.702	-8.663
100	A139_Unbiased	16.587	25.702	-9.115
100	B60_Unbiased	20.665	11.926	8.739
100	B61_Unbiased	20.410	24.384	-3.974
100	B69_Unbiased	20.665	14.496	6.169
100	B70_Unbiased	20.410	25.371	-4.961
100	B71_Unbiased	18.147	25.914	-7.767
100	B72_Unbiased	17.126	25.318	-8.192
100	B73_Unbiased	17.799	26.256	-8.457
100	B74_Unbiased	20.966	25.592	-4.626
100	B77_Unbiased	21.603	25.767	-4.164
100	B78_Unbiased	19.261	0.491	18.770
100	B79_Unbiased	20.389	26.207	-5.818
100	B80_Unbiased	18.647	26.406	-7.759
100	C70_Unbiased	22.798	25.362	-2.564
100	C71_Unbiased	25.311	-3.360	-3.360
100	C72_Unbiased	21.242	26.319	-5.077
100	C73_Unbiased	23.136	26.466	-3.330
100	C75_Unbiased	18.412	25.962	-7.550
100	C76_Unbiased	12.759	9.279	3.480
100	C79_Unbiased	13.136	9.630	3.506
	Max	25.550	27.340	20.486
	Average	18.190	21.019	-2.829
	Min	12.141	0.115	-13.902
	Std Dev	2.646	8.557	8.796

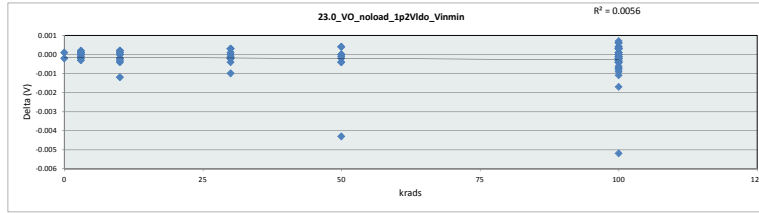


22_34_VO_LoadReqsnk1A_2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.682	0.159	0.426	0.115	0.279	0.491
Average	8.636	19.906	20.518	16.404	22.571	22.645
Max	16.590	27.281	26.986	27.306	26.983	27.340
UL	200.000	200.000	200.000	200.000	200.000	200.000

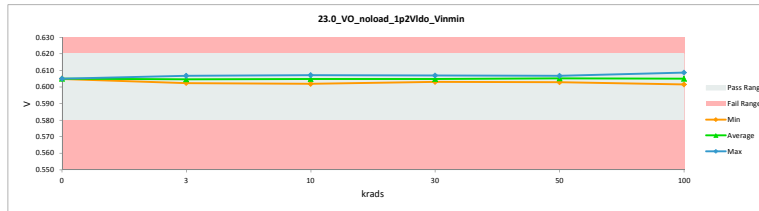


TID 100krad HDR Report
TPS7H3301-SP

23_0_VO_noload_1p2VIdo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.58	0.58		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.605	0.605	0.000
3	A116_Biased	0.605	0.605	0.000
3	A117_Biased	0.604	0.604	0.000
3	B36_Biased	0.604	0.604	0.000
3	B37_Biased	0.605	0.605	0.000
3	C39_Biased	0.604	0.604	0.000
3	A118_Unbiased	0.607	0.607	0.000
3	A140_Unbiased	0.605	0.605	0.000
3	B38_Unbiased	0.606	0.606	0.000
3	B39_Unbiased	0.602	0.602	0.000
3	C40_Unbiased	0.604	0.603	0.000
10	A119_Biased	0.605	0.605	0.000
10	A120_Biased	0.607	0.607	0.000
10	B40_Biased	0.604	0.604	0.000
10	C41_Biased	0.606	0.605	0.000
10	C42_Biased	0.607	0.607	0.000
10	A121_Unbiased	0.604	0.604	0.000
10	A124_Unbiased	0.601	0.602	-0.001
10	B41_Unbiased	0.607	0.607	0.000
10	C43_Unbiased	0.603	0.603	0.000
10	C44_Unbiased	0.604	0.604	0.000
30	A125_Biased	0.605	0.605	0.000
30	B42_Biased	0.603	0.603	0.000
30	B43_Biased	0.605	0.606	-0.001
30	C45_Biased	0.607	0.607	0.000
30	C46_Biased	0.604	0.604	0.000
30	A127_Unbiased	0.605	0.605	0.000
30	B45_Unbiased	0.604	0.603	0.000
30	B47_Unbiased	0.607	0.607	0.000
30	C47_Unbiased	0.605	0.604	0.000
30	C50_Unbiased	0.604	0.605	0.000
50	A128_Biased	0.606	0.606	0.000
50	A129_Biased	0.607	0.607	0.000
50	B48_Biased	0.603	0.604	0.000
50	B49_Biased	0.605	0.606	0.000
50	C51_Biased	0.607	0.607	0.000
50	A130_Unbiased	0.603	0.603	0.000
50	A131_Unbiased	0.604	0.604	0.000
50	B50_Unbiased	0.605	0.605	0.000
50	B51_Unbiased	0.606	-0.004	0.000
50	C53_Unbiased	0.605	0.605	0.000
0	106_Corr	0.605	0.605	0.000
100	A132_Biased	0.605	0.606	0.000
100	A134_Biased	0.602	0.604	-0.002
100	A135_Biased	0.604	0.605	-0.001
100	B52_Biased	0.601	0.602	0.000
100	B54_Biased	0.604	0.604	0.000
100	B55_Biased	0.604	0.605	-0.001
100	B56_Biased	0.606	0.607	-0.001
100	B57_Biased	0.607	0.607	0.000
100	B59_Biased	0.604	0.603	0.001
100	B62_Biased	0.606	0.606	0.001
100	B63_Biased	0.605	0.605	0.000
100	B64_Biased	0.607	0.607	0.000
100	B66_Biased	0.605	0.605	0.000
100	B68_Biased	0.605	0.605	0.000
100	C54_Biased	0.604	0.603	0.000
100	C55_Biased	0.604	0.604	0.000
100	C56_Biased	0.606	0.606	0.000
100	C57_Biased	0.605	0.605	0.000
100	C58_Biased	0.604	0.604	0.000
100	C59_Biased	0.606	0.606	0.000
100	C65_Biased	0.605	0.605	0.000
100	C67_Biased	0.606	0.606	0.000
100	A122_Unbiased	0.606	0.606	0.000
100	A138_Unbiased	0.605	0.606	0.000
100	A139_Unbiased	0.604	0.604	0.000
100	B60_Unbiased	0.604	0.604	-0.005
100	B61_Unbiased	0.605	0.606	-0.001
100	B69_Unbiased	0.604	0.604	0.000
100	B70_Unbiased	0.605	0.605	0.000
100	B71_Unbiased	0.603	0.604	-0.001
100	B72_Unbiased	0.605	0.605	0.000
100	B73_Unbiased	0.603	0.603	0.000
100	B74_Unbiased	0.604	0.604	0.000
100	B77_Unbiased	0.604	0.605	-0.001
100	B78_Unbiased	0.604	0.604	0.000
100	B79_Unbiased	0.604	0.604	0.000
100	B80_Unbiased	0.605	0.604	0.001
100	C70_Unbiased	0.602	0.602	0.000
100	C71_Unbiased	0.605	0.605	0.000
100	C72_Unbiased	0.605	0.605	0.000
100	C73_Unbiased	0.604	0.604	0.000
100	C75_Unbiased	0.606	0.606	0.000
100	C76_Unbiased	0.608	0.608	0.000
100	C79_Unbiased	0.606	0.606	0.000
	Max	0.608	0.609	0.001
	Average	0.605	0.605	0.000
	Min	0.601	0.602	-0.005
	Std Dev	0.001	0.001	0.001

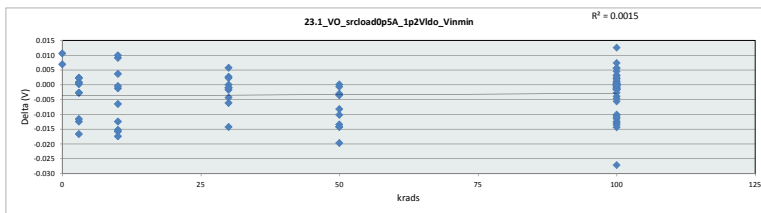


23_0_VO_noload_1p2VIdo_Vinmin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.62	V				
Min Limit	0.58	V				
krads	0	3	10	30	50	100
LL	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.605	0.602	0.602	0.603	0.603	0.602
Average	0.605	0.605	0.605	0.605	0.605	0.605
Max	0.605	0.607	0.607	0.607	0.607	0.609
UL	0.620	0.620	0.620	0.620	0.620	0.620

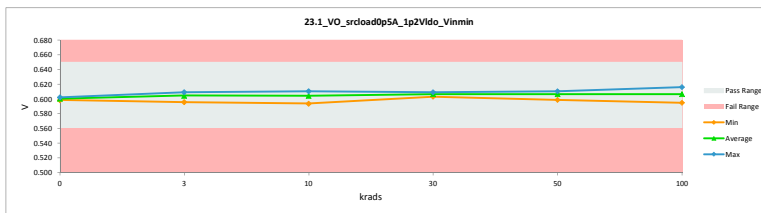


TID 100krad HDR Report
TPS7H3301-SP

23.1_VO_srcloadOp5A_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.65	0.65		
Min Limit	0.56	0.56		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.609	0.599	0.011
3	A116_Biased	0.597	0.609	-0.012
3	A117_Biased	0.591	0.608	-0.017
3	B36_Biased	0.602	0.605	-0.003
3	B37_Biased	0.608	0.607	0.001
3	C39_Biased	0.602	0.605	-0.003
3	A118_Unbiased	0.596	0.607	-0.012
3	A140_Unbiased	0.609	0.609	0.000
3	B38_Unbiased	0.602	0.600	0.002
3	B39_Unbiased	0.604	0.601	0.002
3	C40_Unbiased	0.597	0.596	0.001
10	A119_Biased	0.594	0.609	-0.015
10	A120_Biased	0.595	0.611	-0.016
10	B40_Biased	0.602	0.603	-0.001
10	C41_Biased	0.606	0.603	0.004
10	C42_Biased	0.612	0.603	0.009
10	A121_Unbiased	0.590	0.608	-0.017
10	A124_Unbiased	0.587	0.594	-0.007
10	B41_Unbiased	0.610	0.611	0.000
10	C43_Unbiased	0.594	0.606	-0.012
10	C44_Unbiased	0.609	0.599	0.010
30	A125_Biased	0.594	0.608	-0.014
30	B42_Biased	0.607	0.607	0.000
30	B43_Biased	0.607	0.609	-0.002
30	C45_Biased	0.602	0.607	-0.004
30	C46_Biased	0.608	0.605	0.003
30	A127_Unbiased	0.603	0.609	-0.006
30	B45_Unbiased	0.606	0.608	-0.001
30	B47_Unbiased	0.603	0.604	-0.001
30	C47_Unbiased	0.609	0.606	0.002
30	C50_Unbiased	0.609	0.603	0.006
50	A128_Biased	0.595	0.609	-0.013
50	A129_Biased	0.595	0.609	-0.014
50	B48_Biased	0.605	0.608	-0.003
50	B49_Biased	0.606	0.610	-0.003
50	C51_Biased	0.601	0.611	-0.010
50	A130_Unbiased	0.593	0.607	-0.014
50	A131_Unbiased	0.593	0.601	-0.008
50	B50_Unbiased	0.604	0.604	0.000
50	B51_Unbiased	0.591	0.610	-0.020
50	C53_Unbiased	0.598	0.599	-0.001
0	106_Corr	0.609	0.602	0.007
100	A132_Biased	0.597	0.610	-0.012
100	A134_Biased	0.589	0.616	-0.027
100	A135_Biased	0.594	0.607	-0.013
100	B52_Biased	0.594	0.595	-0.001
100	B54_Biased	0.608	0.608	0.000
100	B55_Biased	0.605	0.608	-0.003
100	B56_Biased	0.607	0.608	-0.001
100	B57_Biased	0.604	0.607	-0.004
100	B59_Biased	0.607	0.607	0.000
100	B62_Biased	0.610	0.606	0.003
100	B63_Biased	0.609	0.609	0.001
100	B64_Biased	0.599	0.611	-0.011
100	B66_Biased	0.597	0.609	-0.012
100	B68_Biased	0.610	0.609	0.000
100	C54_Biased	0.594	0.608	-0.014
100	C55_Biased	0.607	0.608	-0.001
100	C56_Biased	0.611	0.611	0.000
100	C57_Biased	0.607	0.608	-0.001
100	C58_Biased	0.608	0.609	-0.001
100	C59_Biased	0.610	0.608	0.002
100	C65_Biased	0.605	0.604	0.001
100	C67_Biased	0.610	0.605	0.005
100	A122_Unbiased	0.600	0.610	-0.011
100	A138_Unbiased	0.596	0.602	-0.006
100	A139_Unbiased	0.594	0.609	-0.014
100	B60_Unbiased	0.608	0.610	-0.002
100	B61_Unbiased	0.609	0.608	0.001
100	B69_Unbiased	0.608	0.606	0.002
100	B70_Unbiased	0.609	0.606	0.003
100	B71_Unbiased	0.593	0.603	-0.010
100	B72_Unbiased	0.595	0.605	-0.011
100	B73_Unbiased	0.607	0.607	0.000
100	B74_Unbiased	0.607	0.600	0.007
100	B77_Unbiased	0.609	0.603	0.006
100	B78_Unbiased	0.608	0.609	0.000
100	B79_Unbiased	0.608	0.608	0.000
100	B80_Unbiased	0.602	0.603	-0.002
100	C70_Unbiased	0.607	0.601	0.006
100	C71_Unbiased	0.600	0.604	-0.005
100	C72_Unbiased	0.609	0.607	0.002
100	C73_Unbiased	0.609	0.608	0.001
100	C75_Unbiased	0.604	0.605	-0.002
100	C76_Unbiased	0.611	0.611	0.000
100	C79_Unbiased	0.609	0.610	0.001
	Max	0.612	0.616	0.013
	Average	0.603	0.606	-0.003
	Min	0.587	0.594	-0.027
	Std Dev	0.007	0.004	0.008

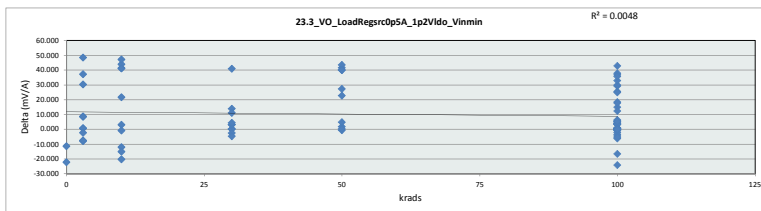


23.1_VO_srcloadOp5A_1p2VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.65	V				
Min Limit	0.56	V				
krads	0	3	10	30	50	100
LL	0.560	0.560	0.560	0.560	0.560	0.560
Min	0.599	0.596	0.594	0.603	0.599	0.595
Average	0.601	0.605	0.605	0.607	0.607	0.607
Max	0.602	0.609	0.611	0.609	0.611	0.616
UL	0.650	0.650	0.650	0.650	0.650	0.650

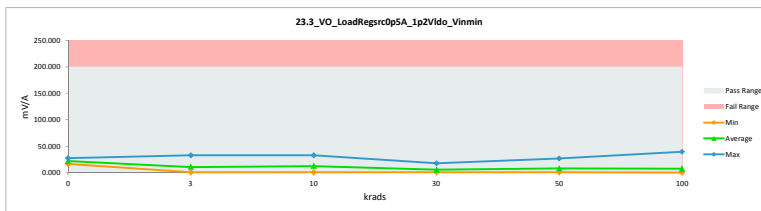


TID 100krad HDR Report
TPS7H3301-SP

23_3_VO_LoadRegrOp5A_1p2V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.296	27.594	-22.298
3	A116_Biased	35.246	4.904	30.342
3	A117_Biased	51.206	2.813	48.393
3	B36_Biased	16.632	7.880	8.752
3	B37_Biased	1.969	1.291	0.678
3	C39_Biased	16.872	8.537	8.335
3	A118_Unbiased	45.058	7.832	37.226
3	A140_Unbiased	5.296	4.624	0.672
3	B38_Unbiased	20.449	28.337	-7.888
3	B39_Unbiased	4.245	11.702	-7.457
3	C40_Unbiased	30.936	33.313	-2.377
10	A119_Biased	45.463	4.151	41.312
10	A120_Biased	47.625	3.671	43.954
10	B40_Biased	15.230	12.178	3.052
10	C41_Biased	6.120	18.210	-12.090
10	C42_Biased	6.734	21.838	-15.104
10	A121_Unbiased	51.987	4.907	47.080
10	A124_Unbiased	54.528	33.003	21.525
10	B41_Unbiased	3.507	4.329	-0.822
10	C43_Unbiased	42.497	1.318	41.179
10	C44_Unbiased	5.532	25.837	-20.305
30	A125_Biased	43.713	2.825	40.883
30	B42_Biased	3.042	2.756	0.286
30	B43_Biased	2.531	2.446	0.085
30	C45_Biased	22.720	8.890	13.830
30	C46_Biased	5.734	2.688	3.046
30	A127_Unbiased	15.272	4.239	11.039
30	B45_Unbiased	1.429	4.086	-2.657
30	B47_Unbiased	21.132	18.078	3.054
30	C47_Unbiased	5.786	1.368	4.418
30	C50_Unbiased	6.493	11.453	-4.963
50	A128_Biased	42.905	1.291	41.614
50	A129_Biased	44.758	1.293	43.465
50	B48_Biased	5.605	3.811	1.794
50	B49_Biased	4.988	5.658	-0.670
50	C51_Biased	28.896	6.277	22.619
50	A130_Unbiased	43.313	3.234	40.079
50	A131_Unbiased	46.208	18.860	27.348
50	B50_Unbiased	12.269	12.033	0.236
50	B51_Unbiased	44.141	4.032	40.109
50	C53_Unbiased	32.111	27.304	4.807
0	106_Corr	5.573	16.994	-11.421
100	A132_Biased	32.748	7.270	25.478
100	A134_Biased	54.862	39.832	15.030
100	A135_Biased	43.211	0.373	42.838
100	B52_Biased	32.638	29.254	3.384
100	B54_Biased	5.364	5.772	-0.408
100	B55_Biased	6.781	1.261	5.520
100	B56_Biased	5.716	1.750	3.966
100	B57_Biased	16.587	4.327	12.260
100	B59_Biased	4.515	4.653	-0.138
100	B62_Biased	5.333	5.491	-0.158
100	B63_Biased	4.435	3.912	0.523
100	B64_Biased	34.222	5.213	29.009
100	B66_Biased	36.416	6.677	29.739
100	B68_Biased	6.434	5.942	0.492
100	C54_Biased	42.781	5.045	37.736
100	C55_Biased	1.942	1.994	0.808
100	C56_Biased	7.036	7.890	-0.851
100	C57_Biased	1.170	0.356	0.814
100	C58_Biased	0.927	5.504	-4.577
100	C59_Biased	5.934	2.076	3.858
100	C65_Biased	4.889	8.309	-3.420
100	C67_Biased	6.373	8.581	-2.208
100	A122_Unbiased	29.762	4.840	24.922
100	A138_Unbiased	39.988	21.547	18.441
100	A139_Unbiased	42.270	5.464	36.806
100	B60_Unbiased	3.736	0.237	3.499
100	B61_Unbiased	5.194	0.870	4.324
100	B69_Unbiased	3.736	0.529	3.207
100	B70_Unbiased	5.194	4.435	0.759
100	B71_Unbiased	44.266	11.265	32.921
100	B72_Unbiased	39.342	3.684	35.658
100	B73_Unbiased	4.991	5.522	-0.531
100	B74_Unbiased	3.124	19.660	-16.536
100	B77_Unbiased	4.799	11.092	-6.293
100	B78_Unbiased	4.551	4.827	-0.276
100	B79_Unbiased	4.751	4.387	0.364
100	B80_Unbiased	16.165	10.455	5.710
100	C70_Unbiased	5.377	10.756	-5.379
100	C71_Unbiased	28.997	10.658	17.739
100	C72_Unbiased	6.557	0.373	6.184
100	C73_Unbiased	6.251	5.954	0.297
100	C75_Unbiased	13.090	7.819	5.271
100	C76_Unbiased	4.836	4.892	-0.056
100	C79_Unbiased	7.536	31.763	-24.227
	Max	54.862	39.832	48.393
	Average	19.018	8.952	10.066
	Min	0.927	0.356	-24.227
	Std Dev	17.325	9.034	18.150

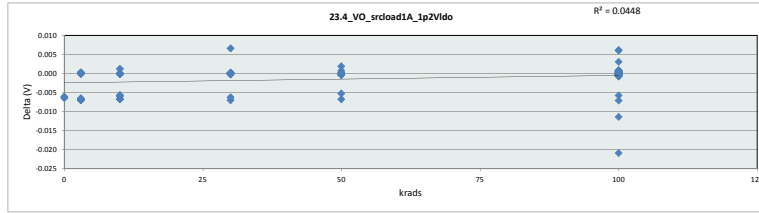


23_3_VO_LoadRegrOp5A_1p2V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	16.994	1.291	1.318	1.368	1.291	0.356
Average	22.294	11.123	12.944	5.883	8.379	7.772
Max	27.594	33.313	33.003	18.078	27.304	39.832
UL	200.000	200.000	200.000	200.000	200.000	200.000

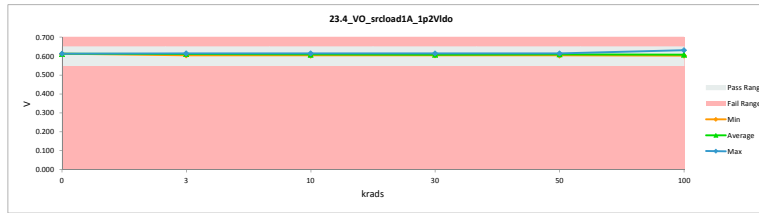


TID 100krad HDR Report
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23.4_VO_srcload1A_1p2Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.65	0.65		
Min Limit	0.55	0.55		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.606	0.612	-0.006
3	A116_Biased	0.606	0.606	0.000
3	A117_Biased	0.604	0.605	0.000
3	B36_Biased	0.612	0.612	0.000
3	B37_Biased	0.606	0.612	-0.007
3	C39_Biased	0.605	0.612	-0.007
3	A118_Unbiased	0.614	0.614	0.000
3	A140_Unbiased	0.606	0.613	-0.007
3	B38_Unbiased	0.613	0.613	0.000
3	B39_Unbiased	0.603	0.609	-0.007
3	C40_Unbiased	0.611	0.610	0.000
10	A119_Biased	0.606	0.606	0.000
10	A120_Biased	0.607	0.607	0.000
10	B40_Biased	0.604	0.611	-0.007
10	C41_Biased	0.606	0.613	-0.007
10	C42_Biased	0.608	0.614	-0.006
10	A121_Unbiased	0.604	0.604	0.000
10	A124_Unbiased	0.608	0.608	0.000
10	B41_Unbiased	0.607	0.608	0.000
10	C43_Unbiased	0.604	0.603	0.001
10	C44_Unbiased	0.605	0.611	-0.006
30	A125_Biased	0.605	0.605	0.000
30	B42_Biased	0.604	0.604	0.000
30	B43_Biased	0.605	0.612	-0.007
30	C45_Biased	0.614	0.608	0.007
30	C46_Biased	0.604	0.604	0.000
30	A127_Unbiased	0.605	0.605	0.000
30	B45_Unbiased	0.604	0.604	0.000
30	B47_Unbiased	0.614	0.614	0.000
30	C47_Unbiased	0.605	0.605	0.000
30	C50_Unbiased	0.609	0.612	-0.006
50	A128_Biased	0.607	0.613	-0.007
50	A129_Biased	0.614	0.614	0.000
50	B48_Biased	0.604	0.605	0.000
50	B49_Biased	0.606	0.606	0.000
50	C51_Biased	0.608	0.607	0.001
50	A130_Unbiased	0.603	0.603	0.000
50	A131_Unbiased	0.612	0.612	0.000
50	B50_Unbiased	0.612	0.612	0.000
50	B51_Unbiased	0.609	0.607	0.002
50	C53_Unbiased	0.607	0.612	-0.005
0	106_Corr	0.606	0.612	-0.006
100	A132_Biased	0.606	0.607	-0.001
100	A134_Biased	0.610	0.631	-0.021
100	A135_Biased	0.605	0.605	0.000
100	B52_Biased	0.609	0.609	0.000
100	B54_Biased	0.604	0.605	0.000
100	B55_Biased	0.606	0.606	-0.001
100	B56_Biased	0.607	0.607	0.000
100	B57_Biased	0.614	0.608	0.006
100	B59_Biased	0.604	0.604	0.000
100	B62_Biased	0.606	0.606	0.000
100	B63_Biased	0.606	0.605	0.001
100	B64_Biased	0.608	0.607	0.001
100	B66_Biased	0.606	0.605	0.001
100	B68_Biased	0.606	0.606	0.000
100	C54_Biased	0.605	0.604	0.001
100	C55_Biased	0.605	0.605	0.000
100	C56_Biased	0.607	0.608	0.000
100	C57_Biased	0.605	0.605	0.000
100	C58_Biased	0.605	0.606	0.000
100	C59_Biased	0.607	0.607	0.000
100	C65_Biased	0.605	0.605	0.000
100	C67_Biased	0.606	0.607	0.000
100	A122_Unbiased	0.607	0.607	0.000
100	A138_Unbiased	0.613	0.613	0.000
100	A139_Unbiased	0.605	0.605	0.000
100	B60_Unbiased	0.605	0.616	-0.011
100	B61_Unbiased	0.606	0.607	-0.001
100	B69_Unbiased	0.605	0.604	0.000
100	B70_Unbiased	0.606	0.605	0.000
100	B71_Unbiased	0.610	0.611	-0.001
100	B72_Unbiased	0.611	0.605	0.006
100	B73_Unbiased	0.604	0.603	0.000
100	B74_Unbiased	0.604	0.603	0.001
100	B77_Unbiased	0.606	0.612	-0.006
100	B78_Unbiased	0.605	0.605	0.000
100	B79_Unbiased	0.605	0.605	0.000
100	B80_Unbiased	0.605	0.604	0.000
100	C70_Unbiased	0.604	0.603	0.001
100	C71_Unbiased	0.616	0.613	0.003
100	C72_Unbiased	0.606	0.605	0.001
100	C73_Unbiased	0.605	0.604	0.001
100	C75_Unbiased	0.606	0.613	-0.007
100	C76_Unbiased	0.608	0.609	0.000
100	C78_Unbiased	0.607	0.607	0.000
	Max	0.616	0.631	0.007
	Average	0.607	0.608	-0.001
	Min	0.603	0.603	-0.021
	Std Dev	0.003	0.004	0.004

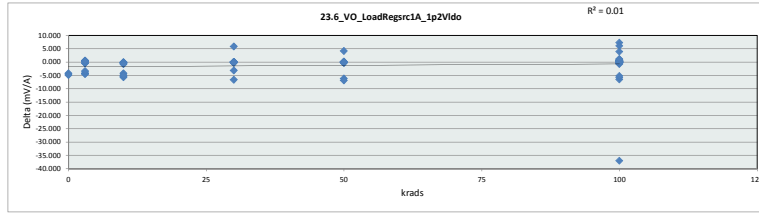


23.4_VO_srcload1A_1p2Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.65	V				
Min Limit	0.55	V				
krads	0	3	10	30	50	100
LL	0.550	0.550	0.550	0.550	0.550	0.550
Min	0.612	0.605	0.603	0.604	0.603	0.603
Average	0.612	0.611	0.609	0.607	0.607	0.607
Max	0.612	0.614	0.614	0.614	0.614	0.631
UL	0.650	0.650	0.650	0.650	0.650	0.650

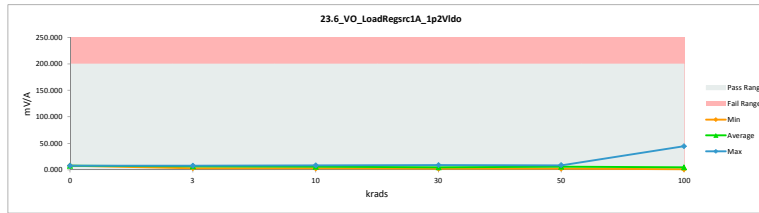


TID 100krad HDR Report
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23_6_VO_LoadRegrsc1A_1p2VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.440	7.699	-4.259
3	A116_Biased	2.878	3.264	-0.386
3	A117_Biased	3.552	3.946	-0.364
3	B36_Biased	8.326	7.992	0.334
3	B37_Biased	3.496	7.691	-4.195
3	C39_Biased	3.472	7.750	-4.278
3	A118_Unbiased	7.587	7.444	0.443
3	A140_Unbiased	3.440	7.936	-4.496
3	B38_Unbiased	7.955	7.414	0.541
3	B39_Unbiased	3.741	7.082	-3.341
3	C40_Unbiased	7.703	7.407	0.296
10	A119_Biased	3.675	3.892	-0.217
10	A120_Biased	3.489	3.886	-0.397
10	B40_Biased	3.392	7.575	-4.183
10	C41_Biased	2.789	8.160	-5.371
10	C42_Biased	2.428	8.056	-5.628
10	A121_Unbiased	2.900	3.209	-0.309
10	A124_Unbiased	7.352	7.344	0.008
10	B41_Unbiased	3.010	3.132	-0.122
10	C43_Unbiased	3.641	4.422	-0.781
10	C44_Unbiased	2.234	7.702	-4.968
30	A125_Biased	4.115	4.406	-0.291
30	B42_Biased	4.111	4.189	-0.078
30	B43_Biased	4.053	7.250	-3.197
30	C45_Biased	8.379	2.567	5.812
30	C46_Biased	2.934	3.075	-0.141
30	A127_Unbiased	4.005	3.912	0.093
30	B45_Unbiased	3.514	3.566	-0.052
30	B47_Unbiased	8.328	8.213	0.115
30	C47_Unbiased	2.859	3.097	-0.238
30	C50_Unbiased	2.220	8.728	-6.428
50	A128_Biased	2.586	8.684	-6.098
50	A129_Biased	8.235	8.504	-0.269
50	B48_Biased	3.858	3.797	0.061
50	B49_Biased	3.016	2.862	0.154
50	C51_Biased	2.247	2.521	-0.274
50	A130_Unbiased	4.238	4.332	-0.094
50	A131_Unbiased	7.787	7.697	0.090
50	B50_Unbiased	8.057	8.153	-0.096
50	B51_Unbiased	7.871	3.853	4.218
50	C53_Unbiased	1.728	8.576	-6.848
0	106_Corr	2.966	7.813	-4.847
100	A132_Biased	2.330	1.951	0.379
100	A134_Biased	7.374	44.373	-36.999
100	A135_Biased	2.940	2.679	0.261
100	B52_Biased	7.952	8.250	-0.298
100	B54_Biased	3.426	3.188	0.238
100	B55_Biased	3.260	2.845	0.415
100	B56_Biased	2.509	2.225	0.284
100	B57_Biased	8.918	1.621	7.297
100	B59_Biased	3.323	3.328	-0.005
100	B62_Biased	2.857	2.878	-0.021
100	B63_Biased	3.439	3.629	-0.190
100	B64_Biased	2.407	2.758	-0.351
100	B66_Biased	2.481	2.419	0.062
100	B68_Biased	2.889	3.108	-0.219
100	C54_Biased	3.298	3.355	-0.057
100	C55_Biased	3.557	3.510	0.047
100	C56_Biased	2.095	1.548	0.547
100	C57_Biased	3.345	3.226	0.119
100	C58_Biased	3.369	2.855	0.514
100	C59_Biased	2.382	2.019	0.363
100	C65_Biased	2.076	2.074	0.502
100	C67_Biased	2.460	1.768	0.692
100	A122_Unbiased	3.330	2.982	0.348
100	A138_Unbiased	8.071	8.490	-0.419
100	A139_Unbiased	3.478	3.190	0.288
100	B60_Unbiased	3.858	10.563	-6.503
100	B61_Unbiased	2.885	1.788	1.097
100	B69_Unbiased	3.858	3.417	0.441
100	B70_Unbiased	2.885	2.882	0.003
100	B71_Unbiased	7.199	7.987	-0.788
100	B72_Unbiased	8.213	2.117	6.096
100	B73_Unbiased	3.478	3.399	0.079
100	B74_Unbiased	3.795	3.893	-0.098
100	B77_Unbiased	2.469	8.231	-5.762
100	B78_Unbiased	3.510	3.514	-0.004
100	B79_Unbiased	3.229	3.268	-0.039
100	B80_Unbiased	3.605	3.522	0.083
100	C70_Unbiased	2.951	3.111	-0.160
100	C71_Unbiased	12.682	8.753	3.929
100	C72_Unbiased	2.445	2.673	-0.228
100	C73_Unbiased	2.918	3.068	-0.150
100	C75_Unbiased	3.214	8.449	-5.235
100	C76_Unbiased	1.831	1.614	0.217
100	C79_Unbiased	2.217	1.072	1.145
	Max	12.682	44.373	7.297
	Average	4.182	5.256	-1.074
	Min	1.728	1.072	-36.999
	Std Dev	2.227	4.950	4.713

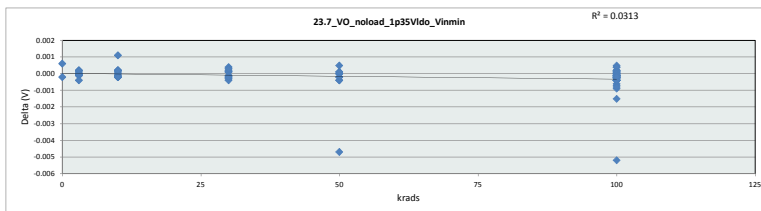


23_6_VO_LoadRegrsc1A_1p2VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	7.699	3.264	3.132	2.567	2.521	1.072
Average	7.756	6.793	5.738	4.900	5.878	4.622
Max	200.000	7.992	8.160	8.728	8.684	44.373
UL	200.000	200.000	200.000	200.000	200.000	200.000

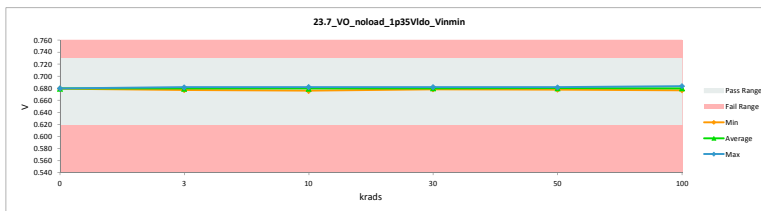


TID 100krad HDR Report
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23.7_VO_noload_1p35VIdo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.73	0.73		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.680	0.679	0.001
3	A116_Biased	0.680	0.680	0.000
3	A117_Biased	0.679	0.679	0.000
3	B36_Biased	0.680	0.679	0.000
3	B37_Biased	0.680	0.680	0.000
3	C39_Biased	0.679	0.679	0.000
3	A118_Unbiased	0.682	0.682	0.000
3	A140_Unbiased	0.680	0.680	0.000
3	B38_Unbiased	0.681	0.681	0.000
3	B39_Unbiased	0.677	0.678	0.000
3	C40_Unbiased	0.679	0.678	0.000
10	A119_Biased	0.680	0.680	0.000
10	A120_Biased	0.682	0.682	0.000
10	B40_Biased	0.680	0.679	0.001
10	C41_Biased	0.680	0.680	0.000
10	C42_Biased	0.682	0.682	0.000
10	A121_Unbiased	0.679	0.679	0.000
10	A124_Unbiased	0.676	0.676	0.000
10	B41_Unbiased	0.682	0.682	0.000
10	C43_Unbiased	0.678	0.678	0.000
10	C44_Unbiased	0.679	0.679	0.000
30	A125_Biased	0.680	0.680	0.000
30	B42_Biased	0.679	0.679	0.000
30	B43_Biased	0.680	0.680	0.000
30	C45_Biased	0.682	0.682	0.000
30	C46_Biased	0.679	0.679	0.000
30	A127_Unbiased	0.680	0.680	0.000
30	B45_Unbiased	0.679	0.678	0.000
30	B47_Unbiased	0.682	0.682	0.000
30	C47_Unbiased	0.680	0.680	0.000
30	C50_Unbiased	0.679	0.680	0.000
50	A128_Biased	0.681	0.681	0.000
50	A129_Biased	0.682	0.682	0.000
50	B48_Biased	0.678	0.679	0.000
50	B49_Biased	0.680	0.681	0.000
50	C51_Biased	0.682	0.682	0.000
50	A130_Unbiased	0.678	0.678	0.001
50	A131_Unbiased	0.679	0.679	0.000
50	B50_Unbiased	0.680	0.680	0.000
50	B51_Unbiased	0.677	0.681	-0.005
50	C53_Biased	0.681	0.681	0.000
0	106_Corr	0.680	0.680	0.000
100	A132_Biased	0.680	0.681	0.000
100	A134_Biased	0.677	0.679	-0.002
100	A135_Biased	0.679	0.680	0.000
100	B52_Biased	0.677	0.677	0.000
100	B54_Biased	0.679	0.679	0.000
100	B55_Biased	0.680	0.680	-0.001
100	B56_Biased	0.681	0.682	-0.001
100	B57_Biased	0.682	0.682	0.000
100	B59_Biased	0.677	0.678	-0.001
100	B62_Biased	0.680	0.681	0.000
100	B63_Biased	0.680	0.680	0.000
100	B64_Biased	0.682	0.682	0.000
100	B66_Biased	0.680	0.680	0.000
100	B68_Biased	0.680	0.680	0.000
100	C54_Biased	0.679	0.678	0.001
100	C55_Biased	0.679	0.679	0.000
100	C56_Biased	0.681	0.681	0.000
100	C57_Biased	0.680	0.680	0.000
100	C58_Biased	0.679	0.679	0.000
100	C59_Biased	0.681	0.681	0.000
100	C65_Biased	0.679	0.679	0.000
100	C67_Biased	0.681	0.681	0.000
100	A122_Unbiased	0.681	0.682	0.000
100	A138_Unbiased	0.680	0.681	0.000
100	A139_Unbiased	0.679	0.680	0.000
100	B60_Unbiased	0.678	0.684	-0.005
100	B61_Unbiased	0.680	0.681	-0.001
100	B69_Unbiased	0.678	0.679	0.000
100	B70_Unbiased	0.680	0.680	0.000
100	B71_Unbiased	0.678	0.678	0.000
100	B72_Unbiased	0.680	0.680	0.000
100	B73_Unbiased	0.678	0.678	0.000
100	B74_Unbiased	0.677	0.677	0.000
100	B77_Unbiased	0.679	0.679	0.000
100	B78_Unbiased	0.679	0.679	0.000
100	B79_Unbiased	0.679	0.679	0.000
100	B80_Unbiased	0.679	0.679	0.000
100	C70_Unbiased	0.677	0.677	0.000
100	C71_Unbiased	0.680	0.680	0.000
100	C72_Unbiased	0.680	0.680	0.000
100	C73_Unbiased	0.679	0.679	0.000
100	C75_Unbiased	0.680	0.680	0.000
100	C76_Unbiased	0.683	0.683	0.000
100	C78_Unbiased	0.681	0.681	0.000
	Max	0.683	0.684	0.001
	Average	0.680	0.680	0.000
	Min	0.676	0.676	-0.005
	Std Dev	0.001	0.001	0.001



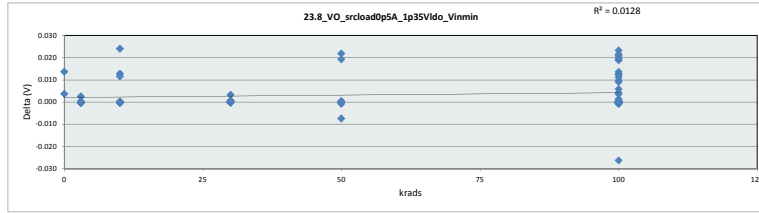
23.7_VO_noload_1p35VIdo_Vir						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.73	V				
Min Limit	0.62	V				
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.680	0.678	0.676	0.678	0.678	0.677
Average	0.680	0.680	0.680	0.680	0.680	0.680
Max	0.680	0.682	0.682	0.682	0.682	0.684
UL	0.730	0.730	0.730	0.730	0.730	0.730



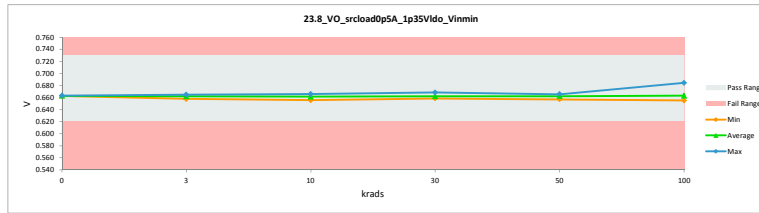
TID 100krad HDR Report
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23.8_VO_srcloadOp5A_1p35VIdo			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.73	0.73	
Min Limit	0.62	0.62	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.666	0.663	0.004
3	A116_Biased	0.663	0.663	0.000
3	A117_Biased	0.660	0.660	0.000
3	B36_Biased	0.663	0.663	0.000
3	B37_Biased	0.663	0.663	0.000
3	C39_Biased	0.661	0.661	0.000
3	A118_Unbiased	0.665	0.665	0.000
3	A140_Unbiased	0.664	0.664	0.003
3	B38_Unbiased	0.664	0.664	0.000
3	B39_Unbiased	0.658	0.658	0.000
3	C40_Unbiased	0.660	0.660	0.000
10	A119_Biased	0.662	0.662	0.000
10	A120_Biased	0.665	0.665	0.000
10	B40_Biased	0.661	0.661	0.000
10	C41_Biased	0.664	0.664	0.000
10	C42_Biased	0.678	0.666	0.013
10	A121_Unbiased	0.658	0.658	0.000
10	A124_Unbiased	0.655	0.656	0.000
10	B41_Unbiased	0.665	0.665	0.000
10	C43_Unbiased	0.682	0.658	0.024
10	C44_Unbiased	0.673	0.661	0.012
30	A125_Biased	0.660	0.660	0.000
30	B42_Biased	0.661	0.661	0.000
30	B43_Biased	0.662	0.662	0.000
30	C45_Biased	0.666	0.666	0.000
30	C46_Biased	0.659	0.659	0.001
30	A127_Unbiased	0.660	0.660	0.000
30	B45_Unbiased	0.660	0.660	0.000
30	B47_Unbiased	0.668	0.669	0.000
30	C47_Unbiased	0.663	0.662	0.001
30	C50_Unbiased	0.665	0.662	0.003
50	A128_Biased	0.663	0.663	0.000
50	A129_Biased	0.665	0.665	0.000
50	B48_Biased	0.660	0.660	0.000
50	B49_Biased	0.663	0.664	-0.001
50	C51_Biased	0.684	0.665	0.019
50	A130_Unbiased	0.657	0.657	0.000
50	A131_Unbiased	0.662	0.662	0.000
50	B50_Unbiased	0.663	0.662	0.000
50	B51_Unbiased	0.663	-0.007	
50	C53_Unbiased	0.684	0.662	0.022
0	106_Corr	0.677	0.663	0.014
100	A132_Biased	0.662	0.662	-0.001
100	A134_Biased	0.658	0.684	-0.026
100	A135_Biased	0.662	0.662	0.000
100	B52_Biased	0.656	0.655	0.000
100	B54_Biased	0.660	0.659	0.000
100	B55_Biased	0.665	0.665	-0.001
100	B56_Biased	0.665	0.665	-0.001
100	B57_Biased	0.667	0.668	-0.001
100	B59_Biased	0.661	0.660	0.000
100	B62_Biased	0.664	0.664	0.000
100	B63_Biased	0.676	0.663	0.014
100	B64_Biased	0.685	0.666	0.019
100	B66_Biased	0.683	0.663	0.021
100	B68_Biased	0.674	0.661	0.013
100	C54_Biased	0.682	0.659	0.023
100	C55_Biased	0.662	0.663	0.000
100	C56_Biased	0.665	0.665	0.000
100	C57_Biased	0.662	0.662	0.000
100	C58_Biased	0.661	0.662	0.000
100	C59_Biased	0.665	0.665	0.000
100	C65_Biased	0.662	0.662	0.000
100	C67_Biased	0.665	0.665	0.000
100	A122_Unbiased	0.665	0.665	0.000
100	A138_Unbiased	0.666	0.666	0.000
100	A139_Unbiased	0.662	0.661	0.000
100	B60_Unbiased	0.670	0.669	0.001
100	B61_Unbiased	0.672	0.666	0.006
100	B69_Unbiased	0.670	0.660	0.010
100	B70_Unbiased	0.672	0.663	0.009
100	B71_Unbiased	0.661	0.661	0.000
100	B72_Unbiased	0.662	0.662	0.000
100	B73_Unbiased	0.664	0.660	0.004
100	B74_Unbiased	0.663	0.659	0.003
100	B77_Unbiased	0.675	0.663	0.012
100	B78_Unbiased	0.660	0.660	0.000
100	B79_Unbiased	0.674	0.662	0.012
100	B80_Unbiased	0.661	0.661	0.001
100	C70_Unbiased	0.679	0.658	0.021
100	C71_Unbiased	0.665	0.665	0.000
100	C72_Unbiased	0.673	0.662	0.011
100	C73_Unbiased	0.678	0.658	0.020
100	C75_Unbiased	0.664	0.664	0.000
100	C76_Unbiased	0.668	0.668	0.000
100	C79_Unbiased	0.664	0.664	0.000
	Max	0.685	0.684	0.024
	Average	0.666	0.663	0.003
	Min	0.655	0.655	-0.026
	Std Dev	0.007	0.004	0.008



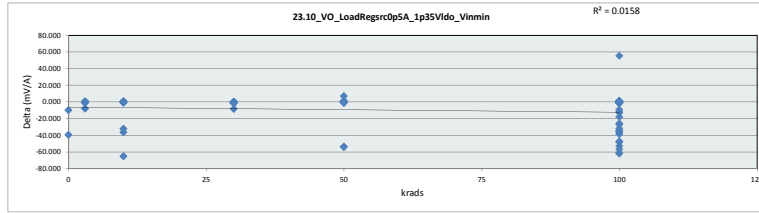
23.8_VO_srcloadOp5A_1p35VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.73 V					
Min Limit	0.62 V					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.663	0.658	0.656	0.659	0.657	0.655
Average	0.663	0.662	0.662	0.662	0.662	0.663
Max	0.663	0.665	0.666	0.669	0.666	0.684
UL	0.730	0.730	0.730	0.730	0.730	0.730



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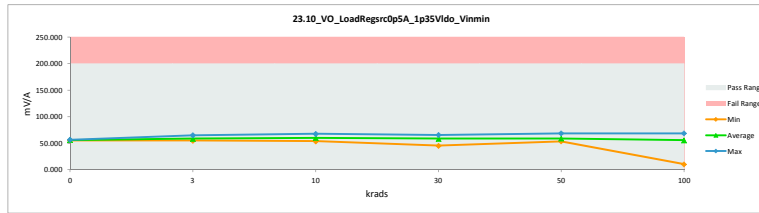
23_10_VO_LoadRegrcOp5A_1p3			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV/A	mV/A	
Max Limit	200	200	
Min Limit	0	0	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	46.947	56.585	-9.638
3	A116_Biased	57.626	57.275	0.351
3	A117_Biased	62.552	62.679	-0.127
3	B36_Biased	56.414	56.291	0.123
3	B37_Biased	57.257	57.044	0.213
3	C39_Biased	60.021	59.390	0.631
3	A118_Unbiased	57.222	56.688	0.534
3	A140_Unbiased	46.947	54.883	-7.936
3	B38_Unbiased	55.819	56.358	-0.539
3	B39_Unbiased	64.337	65.076	-0.739
3	C40_Unbiased	61.398	61.040	0.358
10	A119_Biased	61.741	60.904	0.837
10	A120_Biased	56.210	56.740	-0.530
10	B40_Biased	59.107	58.877	0.230
10	C41_Biased	53.183	53.881	-0.698
10	C42_Biased	18.508	54.591	-36.083
10	A121_Unbiased	66.975	66.526	0.449
10	A124_Unbiased	67.415	67.600	-0.185
10	B41_Unbiased	56.018	55.863	0.155
10	C43_Unbiased	1.732	66.667	-64.935
10	C44_Unbiased	25.862	58.045	-32.183
30	A125_Biased	63.956	64.712	-0.756
30	B42_Biased	59.895	59.682	0.213
30	B43_Biased	60.262	60.176	0.086
30	C45_Biased	50.709	51.113	-0.404
30	C46_Biased	63.620	64.953	-1.333
30	A127_Unbiased	65.665	65.536	0.129
30	B45_Unbiased	61.320	61.683	-0.363
30	B47_Unbiased	45.649	45.315	0.334
30	C47_Unbiased	54.445	56.301	-1.856
30	C50_Unbiased	49.187	57.540	-8.353
50	A128_Biased	58.294	58.889	-0.595
50	A129_Biased	53.932	53.619	0.313
50	B48_Biased	63.311	63.336	-0.025
50	B49_Biased	56.860	55.198	1.662
50	C51_Biased	6.624	63.996	-53.372
50	A130_Unbiased	68.252	68.656	-0.404
50	A131_Unbiased	57.681	58.442	-0.761
50	B50_Unbiased	56.477	57.163	-0.686
50	B51_Unbiased	67.703	60.346	7.357
50	C53_Unbiased	3.825	57.831	-54.006
0	106_Corr	16.006	55.396	-39.390
100	A132_Biased	59.624	58.643	0.981
100	A134_Biased	65.817	70.411	-55.406
100	A135_Biased	58.226	58.065	0.161
100	B52_Biased	67.646	68.518	-0.872
100	B54_Biased	63.816	64.140	-0.324
100	B55_Biased	51.257	49.877	1.380
100	B56_Biased	54.155	52.832	1.323
100	B57_Biased	48.347	46.770	1.577
100	B59_Biased	58.218	58.564	-0.346
100	B62_Biased	54.190	55.027	-0.837
100	B63_Biased	18.757	57.455	-38.698
100	B64_Biased	2.678	50.780	-48.052
100	B66_Biased	3.247	56.008	-52.761
100	B68_Biased	24.626	61.254	-36.628
100	C54_Biased	2.178	64.024	-61.846
100	C55_Biased	56.915	57.409	-0.494
100	C56_Biased	54.449	54.506	-0.057
100	C57_Biased	58.602	59.060	-0.458
100	C58_Biased	59.590	58.905	0.685
100	C59_Biased	51.918	51.635	0.283
100	C65_Biased	56.135	56.517	-0.382
100	C67_Biased	52.970	53.004	-0.034
100	A122_Unbiased	53.448	53.447	0.001
100	A138_Unbiased	49.860	49.727	0.133
100	A139_Unbiased	58.681	59.395	-0.714
100	B60_Unbiased	33.910	46.626	-12.716
100	B61_Unbiased	31.766	49.397	-17.631
100	B69_Unbiased	33.910	60.914	-27.004
100	B70_Unbiased	31.766	57.387	-25.621
100	B71_Unbiased	57.624	57.942	-0.318
100	B72_Unbiased	55.918	55.541	0.377
100	B73_Unbiased	47.887	59.370	-11.483
100	B74_Unbiased	51.998	60.777	-8.779
100	B77_Unbiased	19.496	53.278	-33.782
100	B78_Unbiased	62.040	63.308	-1.268
100	B79_Unbiased	21.934	57.530	-35.596
100	B80_Unbiased	58.415	60.173	-1.758
100	C70_Unbiased	3.277	63.967	-60.690
100	C71_Unbiased	3.531	50.498	-46.967
100	C72_Unbiased	27.269	59.034	-31.765
100	C73_Unbiased	9.629	66.412	-56.783
100	C75_Unbiased	53.681	53.115	0.566
100	C76_Unbiased	48.962	47.908	1.054
100	C78_Unbiased	54.937	64.608	-9.671
	Max	68.252	68.656	55.406
	Average	47.259	57.170	-9.911
	Min	0.624	10.411	-64.935
	Std Dev	19.479	7.205	20.338



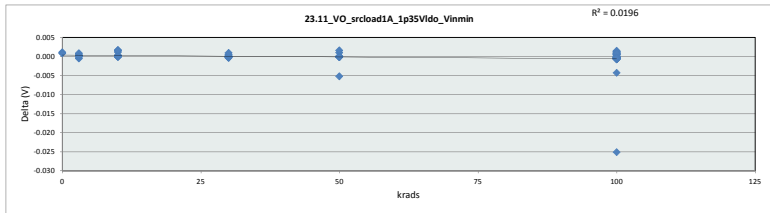
23_10_VO_LoadRegrcOp5A_1p3			
Test Site	Dallas, Tx		
Testor	ETS		
Test Number	EF636800		
Max Limit	200	mV/A	
Min Limit	0	mV/A	

krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	55.396	54.883	53.881	45.315	53.619	10.411
Average	55.991	58.672	59.971	58.701	58.748	55.539
Max	56.585	65.076	67.600	65.536	68.656	68.518
UL	200.000	200.000	200.000	200.000	200.000	200.000

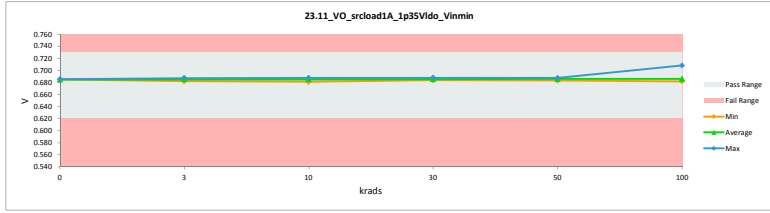


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23.11_VO_srcload1A_1p35VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.73	0.73		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.686	0.685	0.001
3	A116_Biased	0.686	0.687	0.000
3	A117_Biased	0.684	0.684	0.000
3	B36_Biased	0.685	0.685	0.000
3	B37_Biased	0.686	0.686	0.000
3	C39_Biased	0.685	0.685	0.000
3	A118_Unbiased	0.688	0.687	0.000
3	A140_Unbiased	0.686	0.686	0.000
3	B38_Unbiased	0.686	0.686	0.000
3	B39_Unbiased	0.683	0.682	0.001
3	C40_Unbiased	0.684	0.684	0.000
10	A119_Biased	0.686	0.686	0.000
10	A120_Biased	0.688	0.688	0.000
10	B40_Biased	0.684	0.684	0.000
10	C41_Biased	0.686	0.686	0.000
10	C42_Biased	0.689	0.688	0.001
10	A121_Unbiased	0.684	0.684	0.000
10	A124_Unbiased	0.681	0.681	0.000
10	B41_Unbiased	0.688	0.688	0.000
10	C43_Unbiased	0.685	0.683	0.002
10	C44_Unbiased	0.686	0.684	0.002
30	A125_Biased	0.685	0.685	0.000
30	B42_Biased	0.684	0.684	0.000
30	B43_Biased	0.685	0.685	0.000
30	C45_Biased	0.688	0.688	0.000
30	C46_Biased	0.685	0.684	0.000
30	A127_Unbiased	0.686	0.686	0.000
30	B45_Unbiased	0.684	0.684	0.000
30	B47_Unbiased	0.687	0.687	0.000
30	C47_Unbiased	0.685	0.685	0.000
30	C50_Unbiased	0.686	0.685	0.001
50	A128_Biased	0.687	0.687	0.000
50	A129_Biased	0.687	0.687	0.000
50	B48_Biased	0.684	0.685	0.000
50	B49_Biased	0.687	0.687	0.000
50	C51_Biased	0.688	0.687	0.001
50	A130_Unbiased	0.683	0.683	0.000
50	A131_Unbiased	0.685	0.684	0.000
50	B50_Unbiased	0.685	0.685	0.000
50	B51_Unbiased	0.687	-0.005	
50	C53_Unbiased	0.687	0.686	0.002
0	106_Corr	0.686	0.685	0.001
100	A132_Biased	0.686	0.687	-0.001
100	A134_Biased	0.683	0.708	-0.025
100	A135_Biased	0.685	0.685	0.000
100	B52_Biased	0.682	0.682	0.000
100	B54_Biased	0.685	0.685	0.000
100	B55_Biased	0.685	0.686	-0.001
100	B56_Biased	0.687	0.688	-0.001
100	B57_Biased	0.687	0.688	-0.001
100	B59_Biased	0.684	0.684	0.000
100	B62_Biased	0.686	0.686	0.000
100	B63_Biased	0.686	0.685	0.001
100	B64_Biased	0.689	0.687	0.001
100	B66_Biased	0.687	0.686	0.001
100	B68_Biased	0.686	0.686	0.000
100	C54_Biased	0.686	0.684	0.001
100	C55_Biased	0.685	0.685	0.000
100	C56_Biased	0.687	0.688	0.000
100	C57_Biased	0.685	0.686	0.000
100	C58_Biased	0.685	0.686	0.000
100	C59_Biased	0.687	0.687	0.000
100	C65_Biased	0.685	0.685	0.000
100	C67_Biased	0.687	0.687	0.000
100	A122_Unbiased	0.687	0.687	0.000
100	A138_Unbiased	0.686	0.686	-0.001
100	A139_Unbiased	0.685	0.685	0.000
100	B60_Unbiased	0.685	0.689	-0.004
100	B61_Unbiased	0.686	0.687	0.000
100	B69_Unbiased	0.685	0.684	0.001
100	B70_Unbiased	0.686	0.686	0.001
100	B71_Unbiased	0.684	0.684	0.000
100	B72_Unbiased	0.685	0.685	-0.001
100	B73_Unbiased	0.684	0.684	0.000
100	B74_Unbiased	0.684	0.683	0.001
100	B77_Unbiased	0.686	0.685	0.001
100	B78_Unbiased	0.685	0.685	0.000
100	B79_Unbiased	0.685	0.684	0.001
100	B80_Unbiased	0.684	0.684	0.000
100	C70_Unbiased	0.684	0.683	0.001
100	C71_Unbiased	0.686	0.686	0.002
100	C72_Unbiased	0.686	0.686	0.001
100	C73_Unbiased	0.685	0.684	0.001
100	C75_Unbiased	0.686	0.686	0.000
100	C76_Unbiased	0.688	0.689	-0.001
100	C79_Unbiased	0.687	0.687	0.000
	Max	0.689	0.708	0.002
	Average	0.686	0.686	0.000
	Min	0.681	0.681	-0.025
	Std Dev	0.001	0.003	0.003

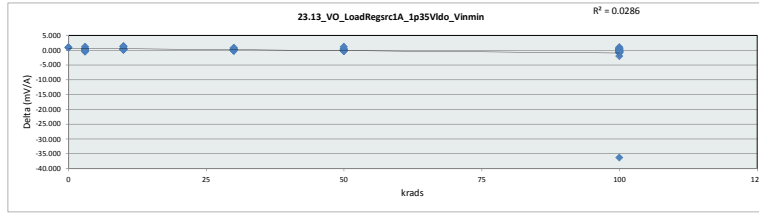


23.11_VO_srcload1A_1p35VIdc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.73 V					
Min Limit	0.62 V					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.685	0.682	0.681	0.684	0.683	0.682
Average	0.685	0.685	0.685	0.685	0.686	0.686
Max	0.685	0.687	0.688	0.688	0.687	0.708
UL	0.730	0.730	0.730	0.730	0.730	0.730

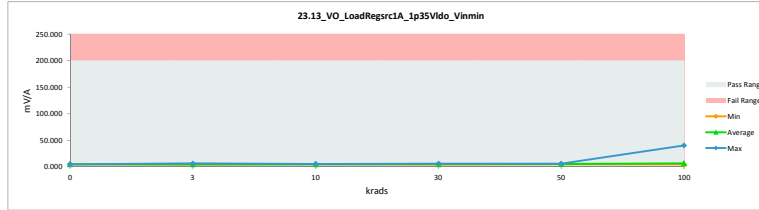


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23_13_VO_LoadRegrc1A_1p35V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.556	4.592	0.964
3	A116_Biased	5.710	6.191	-0.481
3	A117_Biased	4.652	4.204	0.458
3	B36_Biased	4.974	4.618	0.356
3	B37_Biased	4.880	4.776	0.104
3	C39_Biased	4.770	4.514	0.256
3	A118_Unbiased	4.906	4.564	0.342
3	A140_Unbiased	5.556	4.996	0.560
3	B38_Unbiased	4.936	4.540	0.396
3	B39_Unbiased	5.107	3.894	1.213
3	C40_Unbiased	4.715	4.616	0.099
10	A119_Biased	5.122	4.608	0.514
10	A120_Biased	4.924	4.795	0.139
10	B40_Biased	4.630	4.360	0.270
10	C41_Biased	5.362	4.960	0.402
10	C42_Biased	6.083	4.951	1.132
10	A121_Unbiased	5.223	5.223	0.200
10	A124_Unbiased	4.546	4.221	0.325
10	B41_Unbiased	5.365	5.093	0.272
10	C43_Unbiased	5.496	4.227	1.269
10	C44_Unbiased	5.962	4.542	1.420
30	A125_Biased	4.259	4.259	0.004
30	B42_Biased	4.286	4.175	0.111
30	B43_Biased	4.216	4.117	0.099
30	C45_Biased	5.535	5.686	-0.151
30	C46_Biased	5.661	5.317	0.344
30	A127_Unbiased	4.885	5.073	-0.188
30	B45_Unbiased	5.027	4.946	0.081
30	B47_Unbiased	4.840	5.015	-0.175
30	C47_Unbiased	5.565	5.010	0.555
30	C50_Unbiased	4.833	5.451	-0.618
50	A128_Biased	5.451	5.405	0.046
50	A129_Biased	5.232	5.359	-0.127
50	B48_Biased	4.730	4.921	-0.191
50	B49_Biased	5.960	5.618	0.342
50	C51_Biased	6.447	5.864	0.583
50	A130_Unbiased	4.304	4.306	-0.002
50	A131_Unbiased	4.539	4.375	0.164
50	B50_Unbiased	4.851	5.108	-0.257
50	B51_Unbiased	4.847	4.830	-0.183
50	C53_Biased	6.704	5.573	1.131
0	106_Corr	5.670	4.736	0.934
100	A132_Biased	5.712	6.397	-0.685
100	A134_Biased	4.140	40.361	-36.221
100	A135_Biased	4.933	5.373	-0.442
100	B52_Biased	4.735	5.219	-0.484
100	B54_Biased	5.160	5.256	-0.096
100	B55_Biased	4.814	5.363	-0.549
100	B56_Biased	5.291	6.114	-0.823
100	B57_Biased	5.646	6.326	-0.680
100	B59_Biased	4.868	5.074	-0.206
100	B62_Biased	5.310	5.317	-0.007
100	B63_Biased	5.121	4.762	0.359
100	B64_Biased	6.154	5.274	0.880
100	B66_Biased	6.423	5.869	0.554
100	B68_Biased	5.909	5.569	0.340
100	C54_Biased	5.647	5.312	0.335
100	C55_Biased	4.571	4.724	-0.153
100	C56_Biased	5.965	6.453	-0.488
100	C57_Biased	4.843	5.318	-0.475
100	C58_Biased	4.977	5.664	-0.687
100	C59_Biased	5.724	5.881	-0.157
100	C65_Biased	5.415	6.017	-0.602
100	C67_Biased	5.678	6.350	-0.672
100	A122_Unbiased	4.641	4.298	0.343
100	A138_Unbiased	4.617	5.253	-0.636
100	A139_Unbiased	4.970	5.414	-0.444
100	B60_Unbiased	5.098	7.071	-1.973
100	B61_Unbiased	5.676	6.214	-0.538
100	B69_Unbiased	5.098	5.302	-0.204
100	B70_Unbiased	5.676	5.152	0.524
100	B71_Unbiased	4.530	4.836	-0.256
100	B72_Unbiased	5.372	6.038	-0.666
100	B73_Unbiased	5.352	5.353	-0.001
100	B74_Unbiased	4.741	4.375	0.366
100	B77_Unbiased	5.766	5.142	0.624
100	B78_Unbiased	5.142	5.121	0.021
100	B79_Unbiased	5.315	5.010	0.305
100	B80_Unbiased	4.401	4.591	-0.190
100	C70_Unbiased	5.744	5.326	0.418
100	C71_Unbiased	6.677	5.640	1.037
100	C72_Unbiased	6.195	5.638	0.557
100	C73_Unbiased	5.946	5.686	0.260
100	C75_Unbiased	4.877	5.385	-0.508
100	C76_Unbiased	6.141	6.813	-0.672
100	C79_Unbiased	6.249	7.146	-0.897
	Max	6.704	40.361	1.420
	Average	5.269	5.611	-0.342
	Min	4.140	3.894	-36.221
	Std Dev	0.600	3.852	3.956

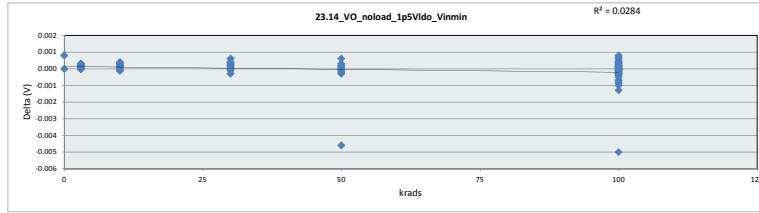


23_13_VO_LoadRegrc1A_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	4.592	3.894	4.221	4.117	4.306	4.298
Average	4.664	4.691	4.698	4.908	5.136	6.337
Max	4.736	6.191	5.223	5.686	5.864	40.361
UL	200.000	200.000	200.000	200.000	200.000	200.000

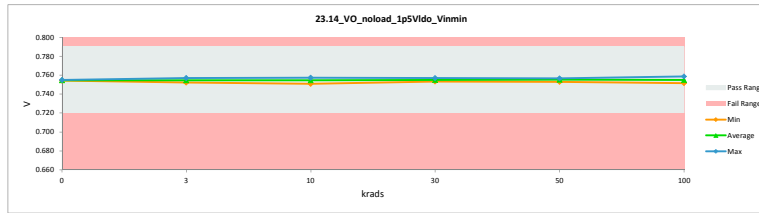


TID 100krad HDR Report
TPS7H3301-SP

23.14_VO_noload_1p5VIdo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.755	0.754	0.001
3	A116_Biased	0.756	0.755	0.000
3	A117_Biased	0.754	0.754	0.000
3	B36_Biased	0.755	0.754	0.000
3	B37_Biased	0.755	0.755	0.000
3	C39_Biased	0.754	0.754	0.000
3	A118_Unbiased	0.757	0.757	0.000
3	A140_Unbiased	0.755	0.755	0.000
3	B38_Unbiased	0.756	0.756	0.000
3	B39_Unbiased	0.752	0.752	0.000
3	C40_Unbiased	0.754	0.753	0.000
10	A119_Biased	0.755	0.755	0.000
10	A120_Biased	0.757	0.757	0.000
10	B40_Biased	0.754	0.754	0.000
10	C41_Biased	0.756	0.755	0.000
10	C42_Biased	0.757	0.757	0.000
10	A121_Unbiased	0.754	0.754	0.000
10	A124_Unbiased	0.751	0.751	0.000
10	B41_Unbiased	0.757	0.757	0.000
10	C43_Unbiased	0.753	0.753	0.000
10	C44_Unbiased	0.754	0.754	0.000
30	A125_Biased	0.755	0.755	0.000
30	B42_Biased	0.754	0.754	0.000
30	B43_Biased	0.755	0.755	0.000
30	C45_Biased	0.757	0.757	0.000
30	C46_Biased	0.754	0.754	0.000
30	A127_Unbiased	0.755	0.755	0.000
30	B45_Unbiased	0.754	0.753	0.001
30	B47_Unbiased	0.757	0.757	0.000
30	C47_Unbiased	0.755	0.755	0.000
30	C50_Unbiased	0.754	0.754	0.000
50	A128_Biased	0.756	0.756	0.000
50	A129_Biased	0.757	0.757	0.000
50	B48_Biased	0.753	0.754	0.000
50	B49_Biased	0.755	0.756	0.000
50	C51_Biased	0.757	0.757	0.000
50	A130_Unbiased	0.753	0.753	0.001
50	A131_Unbiased	0.755	0.754	0.000
50	B50_Unbiased	0.755	0.755	0.000
50	B51_Unbiased	0.752	-0.005	0.000
50	C53_Unbiased	0.756	0.756	0.000
0	106_Corr	0.755	0.755	0.000
100	A132_Biased	0.756	0.756	0.000
100	A134_Biased	0.752	0.754	-0.001
100	A135_Biased	0.754	0.755	-0.001
100	B52_Biased	0.752	0.752	0.000
100	B54_Biased	0.754	0.754	0.001
100	B55_Biased	0.755	0.755	-0.001
100	B56_Biased	0.756	0.757	0.000
100	B57_Biased	0.757	0.757	0.000
100	B59_Biased	0.752	0.753	-0.001
100	B62_Biased	0.756	0.756	0.000
100	B63_Biased	0.756	0.755	0.001
100	B64_Biased	0.757	0.757	0.000
100	B66_Biased	0.755	0.755	0.000
100	B68_Biased	0.755	0.755	0.000
100	C54_Biased	0.754	0.753	0.001
100	C55_Biased	0.754	0.754	0.000
100	C56_Biased	0.756	0.756	0.000
100	C57_Biased	0.755	0.755	0.001
100	C58_Biased	0.754	0.754	0.000
100	C59_Biased	0.756	0.756	0.000
100	C65_Biased	0.754	0.755	-0.001
100	C67_Biased	0.756	0.756	0.000
100	A122_Unbiased	0.756	0.756	0.000
100	A138_Unbiased	0.756	0.756	0.000
100	A139_Unbiased	0.754	0.754	0.000
100	B60_Unbiased	0.754	0.754	-0.005
100	B61_Unbiased	0.755	0.756	-0.001
100	B69_Unbiased	0.754	0.754	0.000
100	B70_Unbiased	0.755	0.755	0.000
100	B71_Unbiased	0.754	0.754	-0.001
100	B72_Unbiased	0.755	0.755	0.000
100	B73_Unbiased	0.753	0.753	0.000
100	B74_Unbiased	0.752	0.752	0.000
100	B77_Unbiased	0.754	0.754	0.000
100	B78_Unbiased	0.754	0.754	0.000
100	B79_Unbiased	0.755	0.754	0.001
100	B80_Unbiased	0.754	0.754	0.000
100	C70_Unbiased	0.752	0.752	0.000
100	C71_Unbiased	0.756	0.756	0.000
100	C72_Unbiased	0.755	0.755	0.000
100	C73_Unbiased	0.754	0.754	0.000
100	C75_Unbiased	0.755	0.755	0.000
100	C76_Unbiased	0.758	0.757	0.000
100	C79_Unbiased	0.756	0.756	0.000
	Max	0.758	0.759	0.001
	Average	0.755	0.755	0.000
	Min	0.751	0.751	-0.005
	Std Dev	0.001	0.001	0.001

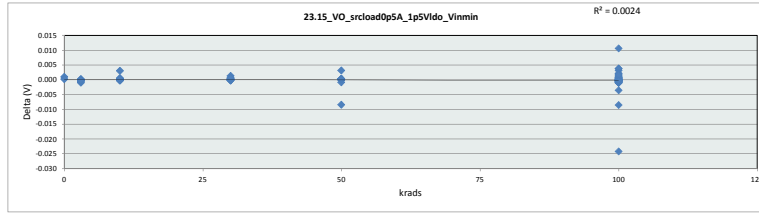


23.14_VO_noload_1p5VIdo_Vir						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.72	V				
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.754	0.752	0.751	0.753	0.753	0.752
Average	0.755	0.755	0.755	0.755	0.755	0.755
Max	0.785	0.787	0.787	0.787	0.787	0.789
UL	0.790	0.790	0.790	0.790	0.790	0.790

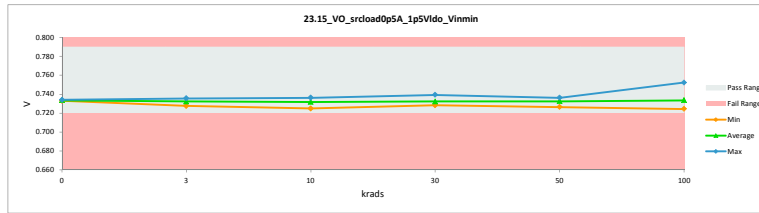


TID 100krad HDR Report
TPS7H3301-SP

23.15_VO_srcload0p5A_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.734	0.733	0.001
3	A116_Biased	0.733	0.734	0.000
3	A117_Biased	0.730	0.730	0.000
3	B36_Biased	0.733	0.733	0.000
3	B37_Biased	0.733	0.733	0.000
3	C39_Biased	0.730	0.731	-0.001
3	A118_Unbiased	0.735	0.736	0.000
3	A140_Unbiased	0.734	0.734	0.000
3	B38_Unbiased	0.734	0.734	0.000
3	B39_Unbiased	0.728	0.728	0.000
3	C40_Unbiased	0.730	0.730	0.000
10	A119_Biased	0.732	0.733	0.000
10	A120_Biased	0.727	0.736	0.000
10	B40_Biased	0.731	0.731	0.000
10	C41_Biased	0.735	0.735	0.000
10	C42_Biased	0.737	0.736	0.001
10	A121_Unbiased	0.727	0.727	0.000
10	A124_Unbiased	0.725	0.725	0.000
10	B41_Unbiased	0.735	0.736	0.000
10	C43_Unbiased	0.730	0.727	0.003
10	C44_Unbiased	0.732	0.731	0.001
30	A125_Biased	0.731	0.730	0.000
30	B42_Biased	0.731	0.731	0.000
30	B43_Biased	0.732	0.732	0.000
30	C45_Biased	0.738	0.737	0.000
30	C46_Biased	0.729	0.728	0.000
30	A127_Unbiased	0.730	0.730	0.000
30	B45_Unbiased	0.730	0.730	0.000
30	B47_Unbiased	0.740	0.739	0.001
30	C47_Unbiased	0.733	0.733	0.000
30	C50_Unbiased	0.733	0.732	0.001
50	A128_Biased	0.733	0.733	0.000
50	A129_Biased	0.736	0.736	0.000
50	B48_Biased	0.730	0.730	0.000
50	B49_Biased	0.734	0.735	-0.001
50	C51_Biased	0.736	0.736	0.000
50	A130_Unbiased	0.727	0.726	0.000
50	A131_Unbiased	0.732	0.732	0.000
50	B50_Unbiased	0.733	0.733	0.000
50	B51_Unbiased	0.725	0.734	-0.008
50	C53_Unbiased	0.735	0.732	0.003
0	106_Corr	0.734	0.734	0.000
100	A132_Biased	0.732	0.733	-0.001
100	A134_Biased	0.728	0.752	-0.024
100	A135_Biased	0.732	0.732	0.000
100	B52_Biased	0.725	0.725	0.001
100	B54_Biased	0.729	0.729	0.000
100	B55_Biased	0.736	0.737	-0.001
100	B56_Biased	0.735	0.736	-0.001
100	B57_Biased	0.738	0.739	-0.001
100	B59_Biased	0.731	0.731	0.000
100	B62_Biased	0.735	0.735	0.000
100	B63_Biased	0.734	0.733	0.000
100	B64_Biased	0.741	0.738	0.003
100	B66_Biased	0.737	0.733	0.004
100	B68_Biased	0.732	0.732	0.000
100	C54_Biased	0.733	0.729	0.004
100	C55_Biased	0.733	0.733	0.000
100	C56_Biased	0.735	0.735	0.000
100	C57_Biased	0.732	0.732	0.000
100	C58_Biased	0.731	0.732	-0.001
100	C59_Biased	0.736	0.736	-0.001
100	C65_Biased	0.732	0.732	0.000
100	C67_Biased	0.735	0.736	-0.001
100	A122_Unbiased	0.737	0.737	0.000
100	A138_Unbiased	0.737	0.737	0.000
100	A139_Unbiased	0.732	0.732	0.000
100	B60_Unbiased	0.731	0.740	-0.008
100	B61_Unbiased	0.733	0.737	-0.003
100	B69_Unbiased	0.731	0.730	0.001
100	B70_Unbiased	0.733	0.733	0.000
100	B71_Unbiased	0.733	0.731	0.002
100	B72_Unbiased	0.733	0.733	0.000
100	B73_Unbiased	0.731	0.730	0.001
100	B74_Unbiased	0.730	0.729	0.001
100	B77_Unbiased	0.735	0.733	0.001
100	B78_Unbiased	0.730	0.730	0.000
100	B79_Unbiased	0.732	0.732	0.000
100	B80_Unbiased	0.732	0.731	0.001
100	C70_Unbiased	0.729	0.727	0.002
100	C71_Unbiased	0.747	0.736	0.011
100	C72_Unbiased	0.733	0.732	0.001
100	C73_Unbiased	0.729	0.728	0.002
100	C75_Unbiased	0.734	0.735	0.000
100	C76_Unbiased	0.739	0.739	-0.001
100	C79_Unbiased	0.735	0.735	0.000
	Max	0.747	0.752	0.011
	Average	0.733	0.733	0.000
	Min	0.725	0.725	-0.024
	Std Dev	0.003	0.004	0.003

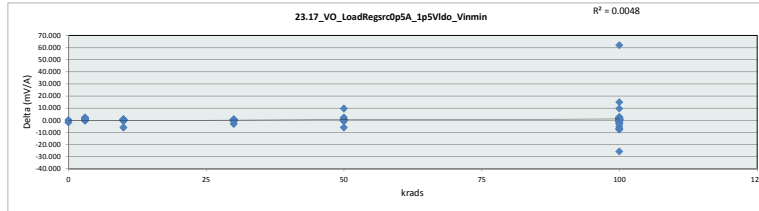


23.15_VO_srcload0p5A_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.72	V				
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.733	0.728	0.725	0.728	0.726	0.725
Average	0.734	0.732	0.732	0.732	0.733	0.734
Max	0.734	0.736	0.736	0.739	0.736	0.752
UL	0.790	0.790	0.790	0.790	0.790	0.790

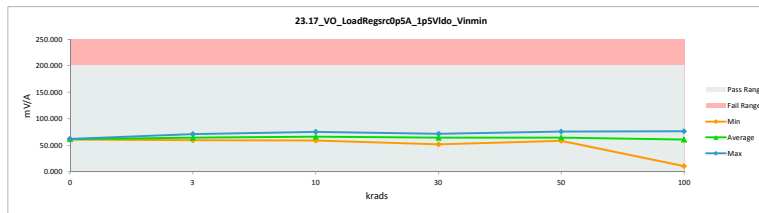


TID 100krad HDR Report
TPS7H3301-SP

23.17_VO_LoadRegrcOp5A_1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	60.633	62.273	-1.640
3	A116_Biased	62.976	62.282	0.694
3	A117_Biased	69.154	69.264	-0.110
3	B36_Biased	62.507	62.225	0.282
3	B37_Biased	63.780	63.208	0.572
3	C39_Biased	68.515	66.187	2.328
3	A118_Unbiased	62.407	61.798	0.609
3	A140_Unbiased	60.633	59.568	1.065
3	B38_Unbiased	62.115	62.152	-0.037
3	B39_Unbiased	70.977	71.029	-0.052
3	C40_Unbiased	66.778	65.998	0.780
10	A119_Biased	67.243	66.465	0.778
10	A120_Biased	60.961	61.506	-0.545
10	B40_Biased	65.698	65.364	0.334
10	C41_Biased	58.990	58.909	0.081
10	C42_Biased	60.143	59.725	0.418
10	A121_Unbiased	74.168	73.964	0.204
10	A124_Unbiased	75.261	75.268	-0.007
10	B41_Unbiased	61.813	61.317	0.496
10	C43_Unbiased	68.082	73.996	-5.914
10	C44_Unbiased	64.302	63.993	0.309
30	A125_Biased	70.137	70.338	-0.201
30	B42_Biased	66.084	65.393	0.691
30	B43_Biased	66.472	65.937	0.535
30	C45_Biased	55.825	56.022	-0.197
30	C46_Biased	71.763	71.717	0.046
30	A127_Unbiased	71.961	71.467	0.494
30	B45_Unbiased	68.252	68.319	-0.067
30	B47_Unbiased	48.791	51.749	-2.958
30	C47_Unbiased	61.473	62.158	-0.685
30	C50_Unbiased	63.144	63.759	-0.615
50	A128_Biased	64.715	65.315	-0.600
50	A129_Biased	59.060	58.703	0.357
50	B48_Biased	69.650	69.538	0.112
50	B49_Biased	62.134	60.018	2.116
50	C51_Biased	69.935	68.665	0.970
50	A130_Unbiased	75.331	75.808	-0.477
50	A131_Unbiased	64.613	65.152	-0.539
50	B50_Unbiased	63.285	63.625	-0.340
50	B51_Unbiased	75.665	66.003	9.662
50	C53_Unbiased	58.875	64.795	-5.920
0	106_Corr	60.600	60.589	0.011
100	A132_Biased	66.443	64.654	1.789
100	A134_Biased	72.455	10.626	61.829
100	A135_Biased	65.217	64.542	0.675
100	B52_Biased	75.466	76.577	-1.111
100	B54_Biased	71.130	70.369	0.761
100	B55_Biased	56.656	54.708	1.948
100	B56_Biased	60.105	58.125	1.980
100	B57_Biased	53.757	51.095	2.662
100	B59_Biased	65.001	64.418	0.583
100	B62_Biased	60.746	60.276	0.470
100	B63_Biased	63.352	62.761	0.591
100	B64_Biased	47.904	54.977	-6.793
100	B66_Biased	53.264	61.078	-7.814
100	B68_Biased	68.094	67.141	0.953
100	C54_Biased	62.679	69.833	-7.154
100	C55_Biased	63.982	63.250	0.732
100	C56_Biased	61.662	60.343	1.319
100	C57_Biased	65.314	64.835	0.479
100	C58_Biased	67.237	65.210	2.027
100	C59_Biased	58.079	56.502	1.577
100	C65_Biased	63.297	62.792	0.505
100	C67_Biased	59.598	57.993	1.605
100	A122_Unbiased	58.737	58.080	0.657
100	A138_Unbiased	55.317	55.090	0.227
100	A139_Unbiased	64.706	64.584	0.122
100	B60_Unbiased	65.469	61.488	14.981
100	B61_Unbiased	63.794	54.238	9.556
100	B69_Unbiased	66.469	66.913	-0.444
100	B70_Unbiased	63.794	63.171	0.623
100	B71_Unbiased	59.262	64.057	-5.095
100	B72_Unbiased	62.219	61.742	0.477
100	B73_Unbiased	64.771	65.044	-0.273
100	B74_Unbiased	66.055	67.081	-1.026
100	B77_Unbiased	58.746	59.467	-0.721
100	B78_Unbiased	69.461	69.409	0.052
100	B79_Unbiased	63.473	63.117	0.356
100	B80_Unbiased	65.064	66.718	-1.654
100	C70_Unbiased	67.946	70.978	-3.032
100	C71_Unbiased	29.626	55.487	-25.861
100	C72_Unbiased	64.859	65.191	-0.332
100	C73_Unbiased	70.663	73.394	-2.731
100	C75_Unbiased	60.140	58.912	1.228
100	C76_Unbiased	53.678	51.825	1.853
100	C79_Unbiased	60.839	59.076	1.763
	Max	75.665	76.577	61.829
	Average	63.516	62.899	0.617
	Min	29.626	10.626	-25.861
	Std Dev	6.683	8.066	7.834

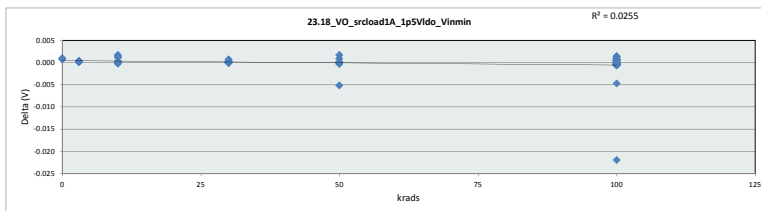


23.17_VO_LoadRegrcOp5A_1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	60.589	59.568	58.909	51.749	58.703	10.626
Average	61.431	64.371	66.051	64.716	64.792	61.072
Max	62.273	71.029	75.268	71.717	75.808	76.577
UL	200.000	200.000	200.000	200.000	200.000	200.000

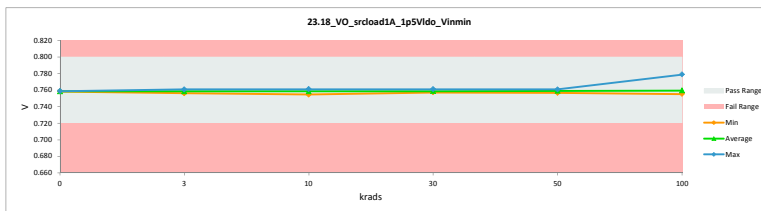


TID 100krad HDR Report
TPS7H3301-SP

23_18_VO_srcload1A_1p5VIdo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.72	0.72		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.759	0.758	0.001
3	A116_Biased	0.760	0.759	0.000
3	A117_Biased	0.758	0.758	0.000
3	B36_Biased	0.758	0.758	0.000
3	B37_Biased	0.759	0.759	0.000
3	C39_Biased	0.758	0.758	0.000
3	A118_Unbiased	0.761	0.761	0.000
3	A140_Unbiased	0.759	0.759	0.000
3	B38_Unbiased	0.760	0.760	0.000
3	B39_Unbiased	0.757	0.756	0.000
3	C40_Unbiased	0.757	0.757	0.000
10	A119_Biased	0.760	0.760	0.000
10	A120_Biased	0.761	0.761	0.000
10	B40_Biased	0.758	0.758	0.000
10	C41_Biased	0.760	0.759	0.000
10	C42_Biased	0.762	0.761	0.001
10	A121_Unbiased	0.758	0.757	0.000
10	A124_Unbiased	0.754	0.755	0.000
10	B41_Unbiased	0.761	0.761	0.000
10	C43_Unbiased	0.758	0.757	0.002
10	C44_Unbiased	0.758	0.757	0.001
30	A125_Biased	0.759	0.758	0.000
30	B42_Biased	0.757	0.757	0.000
30	B43_Biased	0.759	0.759	0.000
30	C45_Biased	0.761	0.761	0.000
30	C46_Biased	0.758	0.758	0.000
30	A127_Unbiased	0.759	0.759	0.000
30	B45_Unbiased	0.757	0.757	0.000
30	B47_Unbiased	0.761	0.761	0.000
30	C47_Unbiased	0.759	0.758	0.000
30	C50_Unbiased	0.759	0.758	0.001
50	A128_Biased	0.760	0.760	0.000
50	A129_Biased	0.761	0.761	0.000
50	B48_Biased	0.758	0.758	0.000
50	B49_Biased	0.760	0.760	0.000
50	C51_Biased	0.762	0.761	0.001
50	A130_Unbiased	0.757	0.757	0.000
50	A131_Unbiased	0.758	0.758	0.000
50	B50_Unbiased	0.759	0.759	0.000
50	B51_Unbiased	0.760	-0.005	0.000
50	C53_Unbiased	0.761	0.759	0.002
0	106_Corr	0.760	0.759	0.001
100	A132_Biased	0.759	0.760	-0.001
100	A134_Biased	0.757	0.779	-0.022
100	A135_Biased	0.759	0.759	0.000
100	B52_Biased	0.755	0.755	0.000
100	B54_Biased	0.758	0.758	0.000
100	B55_Biased	0.759	0.759	-0.001
100	B56_Biased	0.760	-0.001	0.000
100	B57_Biased	0.761	0.761	0.000
100	B59_Biased	0.757	0.757	0.000
100	B62_Biased	0.760	0.760	0.000
100	B63_Biased	0.760	0.759	0.001
100	B64_Biased	0.762	0.761	0.001
100	B66_Biased	0.760	0.759	0.001
100	B68_Biased	0.760	0.760	0.001
100	C54_Biased	0.759	0.758	0.000
100	C55_Biased	0.758	0.759	0.000
100	C56_Biased	0.761	0.761	0.000
100	C57_Biased	0.759	0.759	0.000
100	C58_Biased	0.758	0.759	0.000
100	C59_Biased	0.760	0.761	0.000
100	C65_Biased	0.758	0.758	0.000
100	C67_Biased	0.760	0.760	-0.001
100	A122_Unbiased	0.760	0.761	-0.001
100	A138_Unbiased	0.760	0.760	0.000
100	A139_Unbiased	0.758	0.758	0.000
100	B60_Unbiased	0.758	0.763	-0.005
100	B61_Unbiased	0.759	0.760	-0.001
100	B69_Unbiased	0.758	0.758	0.000
100	B70_Unbiased	0.759	0.759	0.000
100	B71_Unbiased	0.757	0.757	0.000
100	B72_Unbiased	0.758	0.759	0.000
100	B73_Unbiased	0.757	0.757	0.000
100	B74_Unbiased	0.757	0.756	0.001
100	B77_Unbiased	0.759	0.758	0.001
100	B78_Unbiased	0.758	0.758	0.000
100	B79_Unbiased	0.759	0.758	0.001
100	B80_Unbiased	0.758	0.758	0.000
100	C70_Unbiased	0.758	0.756	0.001
100	C71_Unbiased	0.760	0.760	0.000
100	C72_Unbiased	0.760	0.759	0.001
100	C73_Unbiased	0.759	0.758	0.001
100	C75_Unbiased	0.759	0.759	0.000
100	C76_Unbiased	0.762	0.762	0.000
100	C79_Unbiased	0.761	0.761	0.000
	Max	0.762	0.779	0.002
	Average	0.759	0.759	0.000
	Min	0.754	0.755	-0.022
	Std Dev	0.002	0.003	0.003

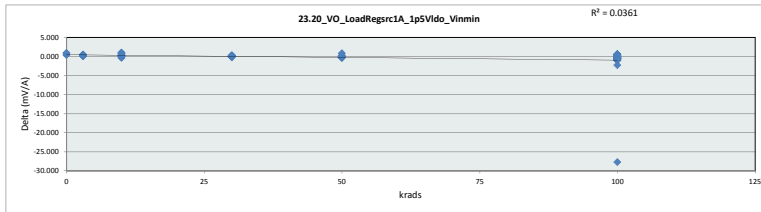


23_18_VO_srcload1A_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.72	V				
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.758	0.756	0.755	0.757	0.757	0.755
Average	0.759	0.758	0.759	0.759	0.759	0.760
Max	0.759	0.761	0.761	0.761	0.761	0.779
UL	0.800	0.800	0.800	0.800	0.800	0.800

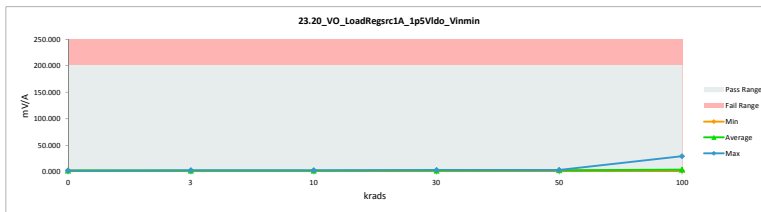


TID 100krad HDR Report
TPS7H3301-SP

23_20_VO_LoadRegsrc1A_1p5Vtc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	2.865	2.428	0.437
3	A116_Biased	3.312	3.046	0.266
3	A117_Biased	2.390	1.886	0.504
3	B36_Biased	2.581	2.407	0.174
3	B37_Biased	2.648	2.341	0.307
3	C39_Biased	2.581	2.270	0.311
3	A118_Unbiased	2.641	2.412	0.229
3	A140_Unbiased	2.865	2.578	0.287
3	B38_Unbiased	2.556	2.336	0.220
3	B39_Unbiased	2.665	2.539	0.126
3	C40_Unbiased	2.542	2.232	0.310
10	A119_Biased	2.762	2.573	0.189
10	A120_Biased	2.683	2.610	0.073
10	B40_Biased	2.414	2.217	0.197
10	C41_Biased	2.766	2.731	0.035
10	C42_Biased	3.541	2.730	0.811
10	A121_Unbiased	3.104	2.858	0.246
10	A124_Unbiased	1.557	1.932	-0.375
10	B41_Unbiased	3.038	2.912	0.126
10	C43_Unbiased	2.961	1.966	0.995
10	C44_Unbiased	2.993	2.354	0.639
30	A125_Biased	2.021	1.921	0.100
30	B42_Biased	1.956	2.034	-0.078
30	B43_Biased	1.891	1.946	-0.055
30	C45_Biased	3.184	3.287	-0.103
30	C46_Biased	3.003	2.982	0.021
30	A127_Unbiased	2.998	2.642	0.356
30	B45_Unbiased	2.651	2.617	0.034
30	B47_Unbiased	2.551	2.729	-0.178
30	C47_Unbiased	2.750	2.689	0.061
30	C50_Unbiased	3.453	3.156	0.297
50	A128_Biased	3.178	3.110	0.068
50	A129_Biased	2.944	3.014	-0.070
50	B48_Biased	2.428	2.598	-0.170
50	B49_Biased	2.996	3.367	-0.371
50	C51_Biased	2.989	3.615	0.627
50	A130_Unbiased	2.188	2.146	0.042
50	A131_Unbiased	1.950	2.103	-0.153
50	B50_Unbiased	2.444	2.782	-0.338
50	B51_Unbiased	2.946	2.942	0.004
50	C53_Unbiased	4.083	3.256	0.827
0	106_Corr	3.367	2.404	0.963
100	A132_Biased	3.425	3.894	-0.469
100	A134_Biased	1.990	29.723	-27.733
100	A135_Biased	2.968	2.969	-0.171
100	B52_Biased	2.389	2.649	-0.260
100	B54_Biased	2.849	3.312	-0.463
100	B55_Biased	2.470	2.963	-0.493
100	B56_Biased	3.935	3.995	-0.660
100	B57_Biased	3.328	3.855	-0.527
100	B59_Biased	2.884	3.094	-0.210
100	B62_Biased	2.736	3.034	-0.298
100	B63_Biased	2.838	2.577	0.261
100	B64_Biased	3.638	3.275	0.363
100	B66_Biased	3.660	3.521	0.139
100	B68_Biased	4.272	3.597	0.675
100	C54_Biased	3.128	4.103	-0.975
100	C55_Biased	2.108	2.501	-0.393
100	C56_Biased	3.862	4.804	-0.942
100	C57_Biased	2.624	3.012	-0.388
100	C58_Biased	2.553	3.316	-0.763
100	C59_Biased	3.148	3.830	-0.682
100	C65_Biased	2.861	3.544	-0.683
100	C67_Biased	3.035	3.904	-0.869
100	A122_Unbiased	2.244	3.262	-1.018
100	A138_Unbiased	2.401	2.923	-0.522
100	A139_Unbiased	2.610	3.048	-0.435
100	B60_Unbiased	2.429	4.649	-2.240
100	B61_Unbiased	2.874	3.782	-0.908
100	B69_Unbiased	2.429	2.783	-0.354
100	B70_Unbiased	2.874	2.787	0.087
100	B71_Unbiased	2.364	2.531	-0.167
100	B72_Unbiased	3.087	3.524	-0.437
100	B73_Unbiased	2.915	3.249	-0.334
100	B74_Unbiased	2.020	2.070	-0.050
100	B77_Unbiased	3.232	2.742	0.490
100	B78_Unbiased	2.998	2.891	0.107
100	B79_Unbiased	2.953	2.857	0.096
100	B80_Unbiased	2.035	2.252	-0.217
100	C70_Unbiased	3.372	2.930	0.442
100	C71_Unbiased	3.336	3.358	-0.022
100	C72_Unbiased	3.372	3.263	0.109
100	C73_Unbiased	3.478	3.288	0.190
100	C75_Unbiased	2.491	3.022	-0.531
100	C76_Unbiased	3.684	4.296	-0.612
100	C79_Unbiased	3.844	4.154	-0.310
	Max	4.272	29.723	0.995
	Average	2.839	3.248	-0.410
	Min	1.557	1.886	-27.733
	Std Dev	0.542	2.957	3.023

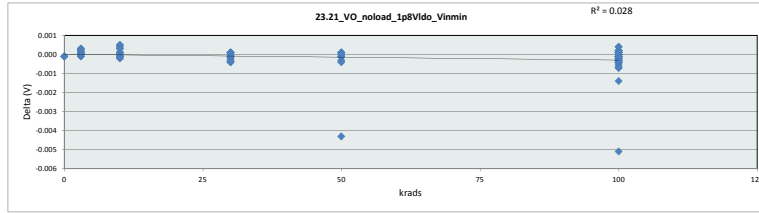


23_20_VO_LoadRegsrc1A_1p5Vtc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.404	1.886	1.932	1.921	2.103	2.070
Average	2.416	2.405	2.488	2.600	2.854	3.888
Max	2.428	3.046	2.912	3.287	3.615	29.723
UL	200.000	200.000	200.000	200.000	200.000	200.000

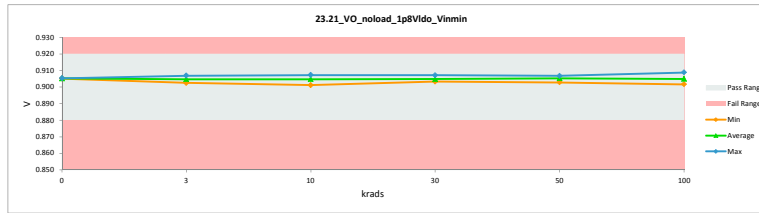


TID 100krad HDR Report
TPS7H3301-SP

23.21_VO_noload_1p8VIdo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.92	0.92		
Min Limit	0.88	0.88		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.905	0.905	0.000
3	A116_Biased	0.905	0.905	0.000
3	A117_Biased	0.904	0.904	0.000
3	B36_Biased	0.905	0.905	0.000
3	B37_Biased	0.905	0.905	0.000
3	C39_Biased	0.905	0.904	0.000
3	A118_Unbiased	0.907	0.907	0.000
3	A140_Unbiased	0.905	0.905	0.000
3	B38_Unbiased	0.906	0.906	0.000
3	B39_Unbiased	0.902	0.902	0.000
3	C40_Unbiased	0.904	0.903	0.000
10	A119_Biased	0.905	0.905	0.000
10	A120_Biased	0.907	0.907	0.000
10	B40_Biased	0.904	0.904	0.000
10	C41_Biased	0.905	0.905	0.000
10	C42_Biased	0.907	0.907	0.000
10	A121_Unbiased	0.904	0.904	0.000
10	A124_Unbiased	0.901	0.901	0.000
10	B41_Unbiased	0.907	0.907	0.000
10	C43_Unbiased	0.903	0.903	0.000
10	C44_Unbiased	0.904	0.904	0.000
30	A125_Biased	0.905	0.905	0.000
30	B42_Biased	0.903	0.903	0.000
30	B43_Biased	0.905	0.905	0.000
30	C45_Biased	0.907	0.907	0.000
30	C46_Biased	0.904	0.904	0.000
30	A127_Unbiased	0.905	0.905	0.000
30	B45_Unbiased	0.903	0.903	0.000
30	B47_Unbiased	0.907	0.907	0.000
30	C47_Unbiased	0.905	0.904	0.000
30	C50_Unbiased	0.905	0.905	0.000
50	A128_Biased	0.906	0.906	0.000
50	A129_Biased	0.907	0.907	0.000
50	B48_Biased	0.904	0.904	0.000
50	B49_Biased	0.905	0.906	0.000
50	C51_Biased	0.907	0.907	0.000
50	A130_Unbiased	0.903	0.903	0.000
50	A131_Unbiased	0.905	0.905	0.000
50	B50_Unbiased	0.905	0.905	0.000
50	B51_Unbiased	0.902	0.906	-0.004
50	C53_Unbiased	0.905	0.905	0.000
0	106_Corr	0.905	0.905	0.000
100	A132_Biased	0.905	0.906	-0.001
100	A134_Biased	0.903	0.904	-0.001
100	A135_Biased	0.905	0.905	0.000
100	B52_Biased	0.902	0.902	0.000
100	B54_Biased	0.904	0.904	0.000
100	B55_Biased	0.905	0.905	-0.001
100	B56_Biased	0.906	0.907	0.000
100	B57_Biased	0.907	0.907	0.000
100	B59_Biased	0.903	0.903	0.000
100	B62_Biased	0.906	0.906	0.000
100	B63_Biased	0.905	0.905	0.000
100	B64_Biased	0.907	0.907	0.000
100	B66_Biased	0.905	0.905	0.000
100	B68_Biased	0.905	0.905	0.000
100	C54_Biased	0.904	0.904	0.000
100	C55_Biased	0.904	0.904	0.000
100	C56_Biased	0.906	0.906	0.000
100	C57_Biased	0.905	0.905	0.000
100	C58_Biased	0.904	0.904	0.000
100	C59_Biased	0.906	0.906	0.000
100	C65_Biased	0.904	0.905	-0.001
100	C67_Biased	0.906	0.906	-0.001
100	A122_Unbiased	0.906	0.907	0.000
100	A138_Unbiased	0.906	0.906	0.000
100	A139_Unbiased	0.905	0.905	0.000
100	B60_Unbiased	0.904	0.909	-0.005
100	B61_Unbiased	0.905	0.906	-0.001
100	B69_Unbiased	0.904	0.904	0.000
100	B70_Unbiased	0.905	0.905	0.000
100	B71_Unbiased	0.904	0.904	0.000
100	B72_Unbiased	0.905	0.905	0.000
100	B73_Unbiased	0.903	0.903	0.000
100	B74_Unbiased	0.902	0.902	0.000
100	B77_Unbiased	0.905	0.905	0.000
100	B78_Unbiased	0.904	0.904	0.000
100	B79_Unbiased	0.904	0.904	0.000
100	B80_Unbiased	0.904	0.904	0.000
100	C70_Unbiased	0.902	0.902	0.000
100	C71_Unbiased	0.905	0.905	0.000
100	C72_Unbiased	0.905	0.905	0.000
100	C73_Unbiased	0.904	0.904	0.000
100	C75_Unbiased	0.905	0.905	0.000
100	C76_Unbiased	0.908	0.908	0.000
100	C79_Unbiased	0.906	0.906	0.000
	Max	0.908	0.909	0.000
	Average	0.905	0.905	0.000
	Min	0.901	0.901	-0.005
	Std Dev	0.001	0.001	0.001



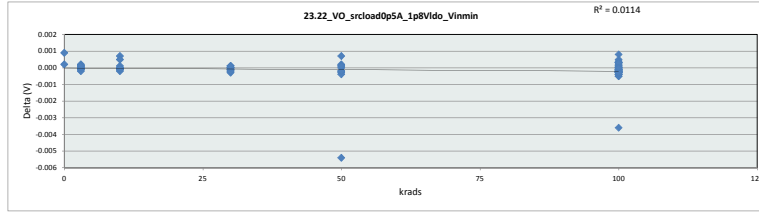
23.21_VO_noload_1p8VIdo_Vir						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.92	V				
Min Limit	0.88	V				
krads	0	3	10	30	50	100
LL	0.880	0.880	0.880	0.880	0.880	0.880
Min	0.905	0.903	0.901	0.903	0.903	0.902
Average	0.905	0.905	0.905	0.905	0.905	0.905
Max	0.905	0.907	0.907	0.907	0.907	0.909
UL	0.920	0.920	0.920	0.920	0.920	0.920



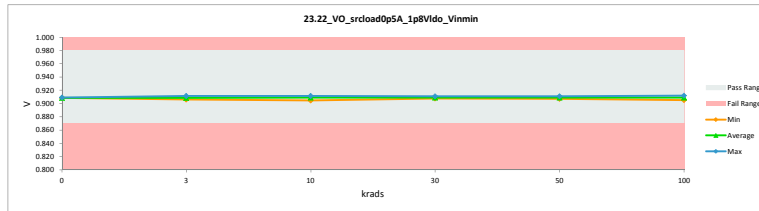
TID 100krad HDR Report
TPS7H3301-SP

23.22_VO_srcload0p5A_1p8VIdo			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.98	0.98	
Min Limit	0.87	0.87	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.909	0.908	0.001
3	A116_Biased	0.909	0.909	0.000
3	A117_Biased	0.908	0.908	0.000
3	B36_Biased	0.909	0.909	0.000
3	B37_Biased	0.909	0.909	0.000
3	C39_Biased	0.908	0.908	0.000
3	A118_Unbiased	0.911	0.911	0.000
3	A140_Unbiased	0.909	0.909	0.000
3	B38_Unbiased	0.910	0.910	0.000
3	B39_Unbiased	0.906	0.906	0.000
3	C40_Unbiased	0.907	0.907	0.000
10	A119_Biased	0.910	0.910	0.000
10	A120_Biased	0.911	0.911	0.000
10	B40_Biased	0.908	0.908	0.000
10	C41_Biased	0.910	0.910	0.000
10	C42_Biased	0.911	0.911	0.000
10	A121_Unbiased	0.907	0.907	0.000
10	A124_Unbiased	0.905	0.905	0.000
10	B41_Unbiased	0.911	0.911	0.000
10	C43_Unbiased	0.908	0.907	0.001
10	C44_Unbiased	0.908	0.907	0.000
30	A125_Biased	0.909	0.909	0.000
30	B42_Biased	0.908	0.908	0.000
30	B43_Biased	0.909	0.909	0.000
30	C45_Biased	0.911	0.911	0.000
30	C46_Biased	0.908	0.908	0.000
30	A127_Unbiased	0.909	0.910	0.000
30	B45_Unbiased	0.907	0.908	0.000
30	B47_Unbiased	0.911	0.911	0.000
30	C47_Unbiased	0.909	0.909	0.000
30	C50_Unbiased	0.908	0.908	0.000
50	A128_Biased	0.910	0.910	0.000
50	A129_Biased	0.911	0.911	0.000
50	B48_Biased	0.908	0.908	0.000
50	B49_Biased	0.909	0.910	0.000
50	C51_Biased	0.911	0.911	0.000
50	A130_Unbiased	0.907	0.907	0.000
50	A131_Unbiased	0.908	0.908	0.000
50	B50_Unbiased	0.909	0.909	0.000
50	B51_Unbiased	0.905	-0.005	0.001
50	C53_Unbiased	0.909	0.908	0.001
0	106_Corr	0.909	0.909	0.000
100	A132_Biased	0.909	0.909	-0.001
100	A134_Biased	0.907	0.908	0.000
100	A135_Biased	0.909	0.909	0.000
100	B52_Biased	0.905	0.905	0.000
100	B54_Biased	0.908	0.908	0.000
100	B55_Biased	0.909	0.909	0.000
100	B56_Biased	0.910	0.910	0.000
100	B57_Biased	0.910	0.911	0.000
100	B59_Biased	0.907	0.908	0.000
100	B62_Biased	0.910	0.910	0.000
100	B63_Biased	0.909	0.909	0.000
100	B64_Biased	0.911	0.911	0.000
100	B66_Biased	0.909	0.909	0.000
100	B68_Biased	0.909	0.909	0.000
100	C54_Biased	0.908	0.908	0.001
100	C55_Biased	0.909	0.909	0.000
100	C56_Biased	0.910	0.910	0.000
100	C57_Biased	0.909	0.909	0.000
100	C58_Biased	0.909	0.909	0.000
100	C59_Biased	0.910	0.910	0.000
100	C65_Biased	0.908	0.908	0.000
100	C67_Biased	0.910	0.910	0.000
100	A122_Unbiased	0.911	0.911	0.000
100	A138_Unbiased	0.910	0.910	0.000
100	A139_Unbiased	0.909	0.909	0.000
100	B60_Unbiased	0.908	0.912	-0.004
100	B61_Unbiased	0.909	0.909	0.000
100	B69_Unbiased	0.908	0.908	0.001
100	B70_Unbiased	0.909	0.909	0.000
100	B71_Unbiased	0.908	0.908	0.000
100	B72_Unbiased	0.908	0.908	0.000
100	B73_Unbiased	0.907	0.907	0.000
100	B74_Unbiased	0.907	0.907	0.000
100	B77_Unbiased	0.909	0.908	0.000
100	B78_Unbiased	0.909	0.909	0.000
100	B79_Unbiased	0.908	0.908	0.000
100	B80_Unbiased	0.908	0.908	0.000
100	C70_Unbiased	0.907	0.906	0.000
100	C71_Unbiased	0.910	0.909	0.000
100	C72_Unbiased	0.909	0.909	0.000
100	C73_Unbiased	0.908	0.908	0.000
100	C75_Unbiased	0.909	0.909	0.000
100	C76_Unbiased	0.911	0.911	0.000
100	C79_Unbiased	0.910	0.910	0.000
	Max	0.911	0.912	0.001
	Average	0.909	0.909	0.000
	Min	0.905	0.905	-0.005
	Std Dev	0.001	0.001	0.001

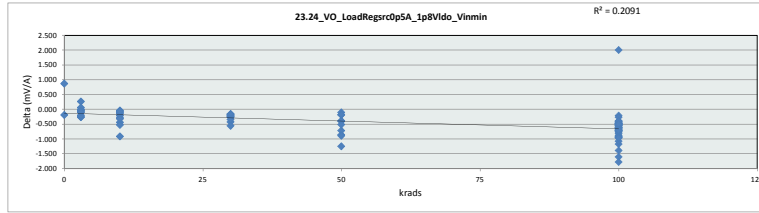


23.22_VO_srcload0p5A_1p8VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.98 V					
Min Limit	0.87 V					
krads	0	3	10	30	50	100
LL	0.870	0.870	0.870	0.870	0.870	0.870
Min	0.908	0.906	0.905	0.908	0.907	0.905
Average	0.909	0.909	0.909	0.909	0.909	0.909
Max	0.909	0.911	0.911	0.911	0.911	0.912
UL	0.980	0.980	0.980	0.980	0.980	0.980

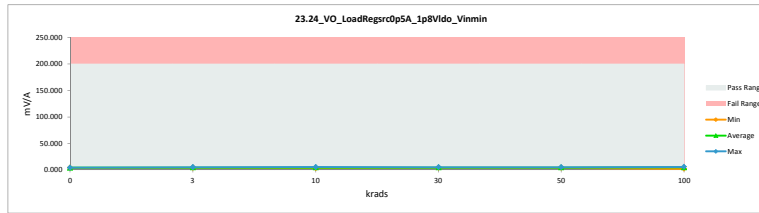


TID 100krad HDR Report
TPS7H3301-SP

23_24_VO_LoadRegrcOp5A_1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	4.939	4.067	0.872
3	A116_Biased	4.601	4.860	-0.259
3	A117_Biased	4.065	4.066	-0.001
3	B36_Biased	4.404	4.498	-0.094
3	B37_Biased	4.592	4.320	0.272
3	C39_Biased	4.420	4.445	-0.025
3	A118_Unbiased	4.794	5.041	-0.247
3	A140_Unbiased	4.939	4.877	0.062
3	B38_Unbiased	4.128	4.169	-0.041
3	B39_Unbiased	4.067	4.265	-0.198
3	C40_Unbiased	4.249	4.342	-0.093
10	A119_Biased	5.200	5.403	-0.203
10	A120_Biased	4.499	4.782	-0.283
10	B40_Biased	4.055	4.086	-0.031
10	C41_Biased	4.742	4.839	-0.097
10	C42_Biased	3.917	4.826	-0.909
10	A121_Unbiased	3.790	4.222	-0.432
10	A124_Unbiased	3.455	3.602	-0.147
10	B41_Unbiased	4.958	5.024	-0.066
10	C43_Unbiased	3.739	4.257	-0.518
10	C44_Unbiased	3.675	3.990	-0.315
30	A125_Biased	4.424	4.615	-0.191
30	B42_Biased	4.934	5.193	-0.259
30	B43_Biased	4.022	4.229	-0.207
30	C45_Biased	4.631	4.787	-0.156
30	C46_Biased	4.356	4.606	-0.250
30	A127_Unbiased	4.731	5.156	-0.425
30	B45_Unbiased	4.639	4.864	-0.225
30	B47_Unbiased	3.952	4.120	-0.168
30	C47_Unbiased	4.679	5.015	-0.336
30	C50_Unbiased	3.722	4.346	-0.624
50	A128_Biased	4.188	4.284	-0.096
50	A129_Biased	4.608	5.006	-0.398
50	B48_Biased	4.350	5.207	-0.857
50	B49_Biased	4.305	5.019	-0.714
50	C51_Biased	4.223	5.116	-0.893
50	A130_Unbiased	4.324	4.701	-0.377
50	A131_Unbiased	3.753	3.943	-0.190
50	B50_Unbiased	4.126	4.300	-0.174
50	B51_Unbiased	3.412	4.662	-1.250
50	C53_Unbiased	3.832	4.343	-0.511
0	106_Corr	4.059	4.242	-0.183
100	A132_Biased	4.263	4.867	-0.604
100	A134_Biased	4.041	2.030	2.011
100	A135_Biased	4.313	4.936	-0.623
100	B52_Biased	3.796	4.006	-0.210
100	B54_Biased	4.810	5.240	-0.430
100	B55_Biased	4.151	4.676	-0.525
100	B56_Biased	4.256	4.791	-0.535
100	B57_Biased	4.014	4.950	-0.936
100	B59_Biased	4.574	5.193	-0.619
100	B62_Biased	4.508	4.975	-0.467
100	B63_Biased	4.222	5.387	-1.165
100	B64_Biased	3.910	5.508	-1.598
100	B66_Biased	3.525	5.297	-1.772
100	B68_Biased	3.368	4.442	-1.074
100	C54_Biased	4.227	4.761	-0.534
100	C55_Biased	4.490	5.183	-0.693
100	C56_Biased	4.747	5.662	-0.915
100	C57_Biased	4.357	4.937	-0.580
100	C58_Biased	4.682	5.088	-0.406
100	C59_Biased	4.643	5.127	-0.484
100	C65_Biased	4.068	4.534	-0.466
100	C67_Biased	4.283	4.676	-0.393
100	A122_Unbiased	4.492	5.252	-0.760
100	A138_Unbiased	3.969	4.427	-0.458
100	A139_Unbiased	4.305	4.834	-0.529
100	B60_Unbiased	3.976	4.878	-0.892
100	B61_Unbiased	4.004	4.719	-0.715
100	B69_Unbiased	3.996	4.255	-0.259
100	B70_Unbiased	4.004	4.653	-0.649
100	B71_Unbiased	4.123	4.750	-0.627
100	B72_Unbiased	4.450	4.926	-0.476
100	B73_Unbiased	3.629	4.441	-0.812
100	B74_Unbiased	4.020	4.539	-0.519
100	B77_Unbiased	3.645	4.587	-0.942
100	B78_Unbiased	4.659	5.174	-0.515
100	B79_Unbiased	4.230	5.157	-0.927
100	B80_Unbiased	4.251	4.642	-0.391
100	C70_Unbiased	3.556	4.942	-1.386
100	C71_Unbiased	4.605	4.606	-0.001
100	C72_Unbiased	4.131	4.880	-0.749
100	C73_Unbiased	4.151	4.832	-0.681
100	C75_Unbiased	4.404	4.894	-0.490
100	C76_Unbiased	4.562	5.262	-0.700
100	C78_Unbiased	4.679	5.388	-0.709
	Max	5.200	5.662	2.011
	Average	4.241	4.698	-0.457
	Min	3.368	2.030	-1.772
	Std Dev	0.396	0.506	0.478

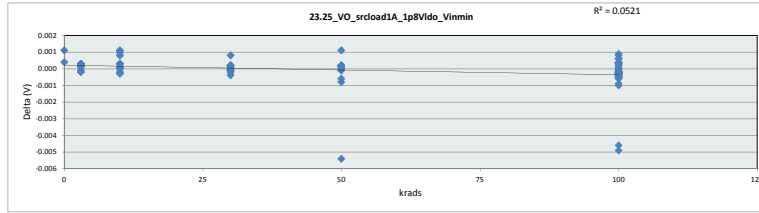


23_24_VO_LoadRegrcOp5A_1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	4.067	4.066	3.602	4.120	3.943	2.030
Average	4.155	4.488	4.503	4.693	4.658	4.825
Max	4.242	5.041	5.403	5.193	5.207	5.662
UL	200.000	200.000	200.000	200.000	200.000	200.000

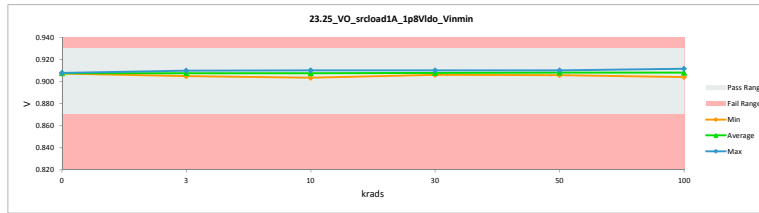


TID 100krad HDR Report
TPS7H3301-SP

23_25_VO_srcload1A_1p8VIdo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.93	0.93		
Min Limit	0.87	0.87		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.908	0.907	0.001
3	A116_Biased	0.908	0.908	0.000
3	A117_Biased	0.907	0.907	0.000
3	B36_Biased	0.907	0.907	0.000
3	B37_Biased	0.908	0.908	0.000
3	C39_Biased	0.907	0.907	0.000
3	A118_Unbiased	0.910	0.910	0.000
3	A140_Unbiased	0.908	0.908	0.000
3	B38_Unbiased	0.909	0.909	0.000
3	B39_Unbiased	0.905	0.905	0.000
3	C40_Unbiased	0.906	0.906	0.000
10	A119_Biased	0.908	0.909	0.000
10	A120_Biased	0.910	0.909	0.000
10	B40_Biased	0.907	0.907	0.000
10	C41_Biased	0.909	0.908	0.000
10	C42_Biased	0.911	0.910	0.001
10	A121_Unbiased	0.906	0.906	0.000
10	A124_Unbiased	0.903	0.903	0.000
10	B41_Unbiased	0.910	0.910	0.000
10	C43_Unbiased	0.906	0.905	0.001
10	C44_Unbiased	0.907	0.906	0.001
30	A125_Biased	0.908	0.907	0.000
30	B42_Biased	0.906	0.906	0.000
30	B43_Biased	0.908	0.908	0.000
30	C45_Biased	0.910	0.910	0.000
30	C46_Biased	0.907	0.906	0.001
30	A127_Unbiased	0.908	0.908	0.000
30	B45_Unbiased	0.906	0.906	0.000
30	B47_Unbiased	0.910	0.910	0.000
30	C47_Unbiased	0.908	0.907	0.000
30	C50_Unbiased	0.907	0.907	0.000
50	A128_Biased	0.909	0.909	0.000
50	A129_Biased	0.910	0.910	0.000
50	B48_Biased	0.906	0.907	-0.001
50	B49_Biased	0.908	0.909	-0.001
50	C51_Biased	0.910	0.910	0.000
50	A130_Unbiased	0.906	0.906	0.000
50	A131_Unbiased	0.907	0.907	0.000
50	B50_Unbiased	0.908	0.907	0.000
50	B51_Unbiased	0.904	0.909	-0.005
50	C53_Unbiased	0.909	0.908	0.001
0	106_Corr	0.908	0.908	0.000
100	A132_Biased	0.908	0.909	-0.001
100	A134_Biased	0.906	0.910	-0.005
100	A135_Biased	0.907	0.908	0.000
100	B52_Biased	0.904	0.904	0.000
100	B54_Biased	0.907	0.907	0.000
100	B55_Biased	0.908	0.908	0.000
100	B56_Biased	0.909	0.910	0.000
100	B57_Biased	0.910	0.910	0.000
100	B59_Biased	0.906	0.906	0.000
100	B62_Biased	0.909	0.909	0.000
100	B63_Biased	0.908	0.908	0.000
100	B64_Biased	0.910	0.910	0.000
100	B66_Biased	0.909	0.908	0.000
100	B68_Biased	0.908	0.909	-0.001
100	C54_Biased	0.907	0.906	0.001
100	C55_Biased	0.907	0.907	0.000
100	C56_Biased	0.910	0.911	-0.001
100	C57_Biased	0.908	0.908	0.000
100	C58_Biased	0.907	0.908	0.000
100	C59_Biased	0.909	0.910	0.000
100	C65_Biased	0.907	0.907	0.000
100	C67_Biased	0.909	0.909	0.000
100	A122_Unbiased	0.909	0.910	0.000
100	A138_Unbiased	0.908	0.909	0.000
100	A139_Unbiased	0.908	0.908	0.000
100	B60_Unbiased	0.907	0.912	-0.005
100	B61_Unbiased	0.908	0.909	-0.001
100	B69_Unbiased	0.907	0.906	0.000
100	B70_Unbiased	0.908	0.908	-0.001
100	B71_Unbiased	0.906	0.906	0.000
100	B72_Unbiased	0.907	0.908	0.000
100	B73_Unbiased	0.906	0.906	0.000
100	B74_Unbiased	0.906	0.905	0.000
100	B77_Unbiased	0.908	0.907	0.000
100	B78_Unbiased	0.907	0.908	0.000
100	B79_Unbiased	0.907	0.907	0.000
100	B80_Unbiased	0.907	0.906	0.000
100	C70_Unbiased	0.905	0.905	0.001
100	C71_Unbiased	0.909	0.908	0.001
100	C72_Unbiased	0.908	0.908	0.000
100	C73_Unbiased	0.907	0.906	0.001
100	C75_Unbiased	0.908	0.908	0.000
100	C76_Unbiased	0.911	0.911	0.000
100	C79_Unbiased	0.909	0.910	0.000
	Max	0.911	0.912	0.001
	Average	0.908	0.908	0.000
	Min	0.903	0.903	-0.005
	Std Dev	0.001	0.002	0.001

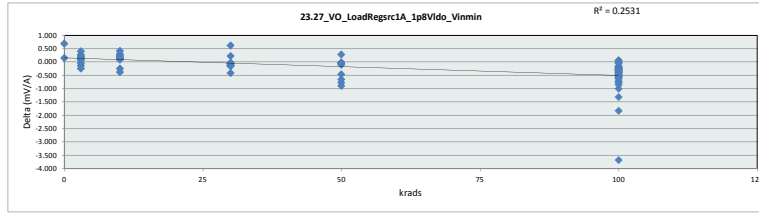


23_25_VO_srcload1A_1p8VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.93	V				
Min Limit	0.87	V				
krads	0	3	10	30	50	100
LL	0.870	0.870	0.870	0.870	0.870	0.870
Min	0.907	0.905	0.903	0.906	0.906	0.904
Average	0.907	0.907	0.907	0.908	0.908	0.908
Max	0.908	0.910	0.910	0.910	0.910	0.912
UL	0.930	0.930	0.930	0.930	0.930	0.930

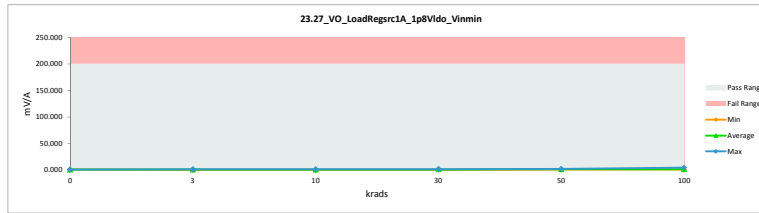


TID 100krad HDR Report
TPS7H3301-SP

23_27_VO_LoadRegrsrc1A_1p8Vtc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.186	0.492	0.694
3	A116_Biased	1.088	1.221	-0.133
3	A117_Biased	0.691	0.286	0.405
3	B36_Biased	0.854	0.632	0.222
3	B37_Biased	0.995	0.716	0.279
3	C39_Biased	0.954	0.785	0.169
3	A118_Unbiased	0.594	0.534	-0.240
3	A140_Unbiased	1.186	1.224	-0.038
3	B38_Unbiased	0.877	0.799	0.078
3	B39_Unbiased	0.500	0.336	0.164
3	C40_Unbiased	0.861	0.747	0.114
10	A119_Biased	0.704	0.949	-0.245
10	A120_Biased	0.570	0.270	0.300
10	B40_Biased	0.758	0.596	0.162
10	C41_Biased	1.061	0.925	0.136
10	C42_Biased	1.267	1.032	0.235
10	A121_Unbiased	0.868	1.245	-0.377
10	A124_Unbiased	0.141	0.050	0.091
10	B41_Unbiased	1.263	1.162	0.101
10	C43_Unbiased	0.220	0.026	0.194
10	C44_Unbiased	1.112	0.699	0.413
30	A125_Biased	0.563	0.339	0.224
30	B42_Biased	0.606	0.660	-0.054
30	B43_Biased	0.262	0.390	-0.128
30	C45_Biased	1.339	1.455	-0.116
30	C46_Biased	1.239	0.619	0.620
30	A127_Unbiased	0.537	0.953	-0.416
30	B45_Unbiased	1.126	1.154	-0.028
30	B47_Unbiased	0.720	0.860	-0.140
30	C47_Unbiased	0.974	1.011	-0.037
30	C50_Unbiased	1.448	1.448	-0.161
50	A128_Biased	1.283	1.292	-0.009
50	A129_Biased	1.284	1.335	-0.051
50	B48_Biased	0.483	1.258	-0.775
50	B49_Biased	0.822	1.709	-0.887
50	C51_Biased	1.884	1.842	0.458
50	A130_Unbiased	0.778	0.810	-0.032
50	A131_Unbiased	0.403	0.500	-0.097
50	B50_Unbiased	0.821	0.852	-0.031
50	B51_Unbiased	0.207	0.207	-0.650
50	C53_Unbiased	1.562	1.275	0.287
0	106_Corr	0.936	0.788	0.148
100	A132_Biased	1.636	1.967	-0.331
100	A134_Biased	0.465	4.138	-3.673
100	A135_Biased	0.802	1.293	-0.491
100	B52_Biased	0.214	0.673	-0.459
100	B54_Biased	1.199	1.688	-0.489
100	B55_Biased	0.657	0.895	-0.238
100	B56_Biased	1.195	1.408	-0.213
100	B57_Biased	1.274	1.400	-0.326
100	B59_Biased	1.016	1.342	-0.326
100	B62_Biased	1.035	1.292	-0.257
100	B63_Biased	0.807	1.124	-0.317
100	B64_Biased	1.100	1.346	-0.246
100	B66_Biased	1.290	1.840	-0.550
100	B68_Biased	0.888	1.643	-0.755
100	C54_Biased	1.020	1.153	-0.133
100	C55_Biased	0.473	0.673	-0.200
100	C56_Biased	1.782	3.099	-1.317
100	C57_Biased	0.911	0.836	0.075
100	C58_Biased	0.988	1.619	-0.631
100	C59_Biased	1.233	1.785	-0.552
100	C65_Biased	1.057	1.476	-0.419
100	C67_Biased	1.098	1.559	-0.461
100	A122_Unbiased	0.644	1.018	-0.374
100	A138_Unbiased	0.645	0.923	-0.278
100	A139_Unbiased	1.023	1.376	-0.353
100	B60_Unbiased	0.477	2.311	-1.834
100	B61_Unbiased	0.486	1.489	-1.003
100	B69_Unbiased	0.477	0.663	-0.186
100	B70_Unbiased	0.486	1.339	-0.853
100	B71_Unbiased	0.767	0.767	-0.020
100	B72_Unbiased	1.288	1.604	-0.316
100	B73_Unbiased	0.751	1.457	-0.706
100	B74_Unbiased	0.198	0.506	-0.308
100	B77_Unbiased	0.986	1.191	-0.205
100	B78_Unbiased	0.827	1.211	-0.384
100	B79_Unbiased	0.505	1.274	-0.769
100	B80_Unbiased	0.478	0.497	-0.019
100	C70_Unbiased	0.358	0.887	-0.529
100	C71_Unbiased	1.244	1.182	0.062
100	C72_Unbiased	1.226	1.526	-0.300
100	C73_Unbiased	1.343	1.378	-0.035
100	C75_Unbiased	0.807	1.200	-0.393
100	C76_Unbiased	1.708	2.005	-0.297
100	C78_Unbiased	1.223	2.302	-1.079
	Max	1.782	4.138	0.694
	Average	0.895	1.152	-0.256
	Min	0.141	0.026	-3.673
	Std Dev	0.377	0.616	0.545



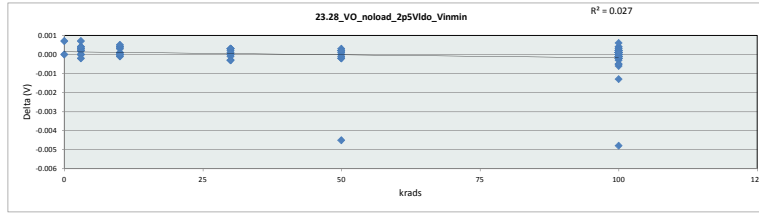
23_27_VO_LoadRegrsrc1A_1p8Vtc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.492	0.286	0.026	0.339	0.500	0.497
Average	0.640	0.758	0.695	0.889	1.178	1.422
Max	0.788	1.224	1.245	1.455	1.842	4.138
UL	200.000	200.000	200.000	200.000	200.000	200.000



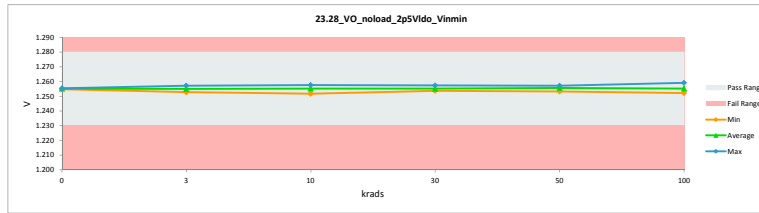
TID 100krad HDR Report
TPS7H3301-SP

23_28_VO_noload_2p5VIdo_Vinmin		
Test Site	Dallas, Tx	Dallas, Tx
Tester	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	1.28	1.28
Min Limit	1.23	1.23

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.255	1.255	0.001
3	A116_Biased	1.256	1.256	0.001
3	A117_Biased	1.255	1.255	0.000
3	B36_Biased	1.255	1.255	0.000
3	B37_Biased	1.255	1.255	0.000
3	C39_Biased	1.255	1.254	0.000
3	A118_Unbiased	1.257	1.257	0.000
3	A140_Unbiased	1.255	1.255	0.000
3	B38_Unbiased	1.257	1.256	0.000
3	B39_Unbiased	1.253	1.253	0.000
3	C40_Unbiased	1.254	1.254	0.000
10	A119_Biased	1.256	1.256	0.000
10	A120_Biased	1.257	1.257	0.000
10	B40_Biased	1.254	1.254	0.000
10	C41_Biased	1.256	1.255	0.000
10	C42_Biased	1.258	1.258	0.000
10	A121_Unbiased	1.254	1.254	0.000
10	A124_Unbiased	1.252	1.252	0.000
10	B41_Unbiased	1.257	1.257	0.000
10	C43_Unbiased	1.253	1.253	0.000
10	C44_Unbiased	1.255	1.254	0.000
30	A125_Biased	1.255	1.255	0.000
30	B42_Biased	1.254	1.254	0.000
30	B43_Biased	1.255	1.255	0.000
30	C45_Biased	1.257	1.257	0.000
30	C46_Biased	1.254	1.254	0.000
30	A127_Unbiased	1.255	1.255	0.000
30	B45_Unbiased	1.253	1.254	0.000
30	B47_Unbiased	1.258	1.257	0.000
30	C47_Unbiased	1.255	1.255	0.000
30	C50_Unbiased	1.255	1.255	0.000
50	A128_Biased	1.257	1.257	0.000
50	A129_Biased	1.257	1.257	0.000
50	B48_Biased	1.254	1.254	0.000
50	B49_Biased	1.256	1.256	0.000
50	C51_Biased	1.257	1.257	0.000
50	A130_Unbiased	1.253	1.253	0.000
50	A131_Unbiased	1.255	1.255	0.000
50	B50_Unbiased	1.255	1.255	0.000
50	B51_Unbiased	1.257	1.257	-0.005
50	C53_Unbiased	1.256	1.255	0.000
0	106_Corr	1.255	1.255	0.000
100	A132_Biased	1.255	1.256	-0.001
100	A134_Biased	1.253	1.254	-0.001
100	A135_Biased	1.255	1.255	0.000
100	B52_Biased	1.252	1.252	0.000
100	B54_Biased	1.254	1.254	0.000
100	B55_Biased	1.255	1.256	0.000
100	B56_Biased	1.257	1.257	0.000
100	B57_Biased	1.257	1.258	0.000
100	B59_Biased	1.253	1.253	0.000
100	B62_Biased	1.256	1.256	0.000
100	B63_Biased	1.255	1.255	0.000
100	B64_Biased	1.257	1.257	0.000
100	B66_Biased	1.255	1.255	0.000
100	B68_Biased	1.255	1.255	0.000
100	C54_Biased	1.254	1.254	0.000
100	C55_Biased	1.255	1.255	0.000
100	C56_Biased	1.257	1.257	0.000
100	C57_Biased	1.255	1.255	0.000
100	C58_Biased	1.255	1.255	0.000
100	C59_Biased	1.256	1.256	0.000
100	C65_Biased	1.255	1.255	0.000
100	C67_Biased	1.256	1.256	0.000
100	A122_Unbiased	1.257	1.257	0.000
100	A138_Unbiased	1.256	1.256	0.000
100	A139_Unbiased	1.255	1.255	0.000
100	B60_Unbiased	1.254	1.259	-0.005
100	B61_Unbiased	1.256	1.256	0.000
100	B69_Unbiased	1.254	1.254	0.000
100	B70_Unbiased	1.256	1.255	0.000
100	B71_Unbiased	1.254	1.254	0.000
100	B72_Unbiased	1.255	1.255	0.000
100	B73_Unbiased	1.253	1.253	0.000
100	B74_Unbiased	1.253	1.253	0.000
100	B77_Unbiased	1.255	1.255	0.000
100	B78_Unbiased	1.255	1.255	0.000
100	B79_Unbiased	1.254	1.254	0.000
100	B80_Unbiased	1.255	1.254	0.001
100	C70_Unbiased	1.253	1.252	0.000
100	C71_Unbiased	1.256	1.256	0.000
100	C72_Unbiased	1.255	1.255	0.000
100	C73_Unbiased	1.254	1.254	0.000
100	C75_Unbiased	1.255	1.255	0.000
100	C76_Unbiased	1.258	1.258	0.000
100	C79_Unbiased	1.257	1.257	0.000
	Max	1.258	1.259	0.001
	Average	1.255	1.255	0.000
	Min	1.252	1.252	-0.005
	Std Dev	0.001	0.001	0.001

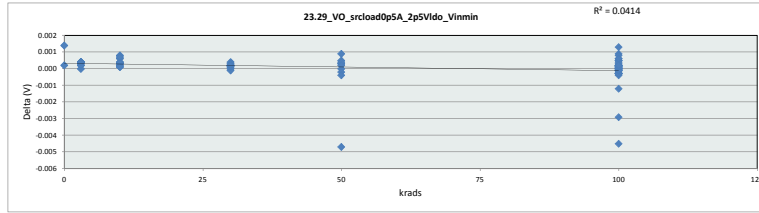


23_28_VO_noload_2p5VIdo_Vinmin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.28	V				
Min Limit	1.23	V				
krads	0	3	10	30	50	100
LL	1.230	1.230	1.230	1.230	1.230	1.230
Min	1.255	1.253	1.252	1.254	1.253	1.252
Average	1.255	1.255	1.255	1.255	1.256	1.255
Max	1.255	1.257	1.258	1.257	1.257	1.259
UL	1.280	1.280	1.280	1.280	1.280	1.280

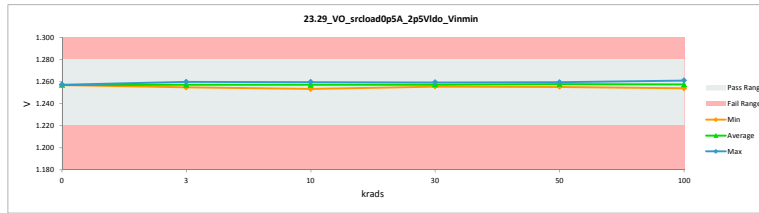


TID 100krad HDR Report
TPS7H3301-SP

23_29_VO_srcload0p5A_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.28	1.28		
Min Limit	1.22	1.22		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.258	1.257	0.001
3	A116_Biased	1.258	1.258	0.000
3	A117_Biased	1.257	1.256	0.000
3	B36_Biased	1.257	1.257	0.000
3	B37_Biased	1.258	1.257	0.000
3	C39_Biased	1.257	1.257	0.000
3	A118_Unbiased	1.260	1.260	0.000
3	A140_Unbiased	1.258	1.258	0.000
3	B38_Unbiased	1.258	1.258	0.000
3	B39_Unbiased	1.255	1.255	0.000
3	C40_Unbiased	1.256	1.256	0.000
10	A119_Biased	1.258	1.258	0.000
10	A120_Biased	1.240	1.259	0.001
10	B40_Biased	1.257	1.257	0.000
10	C41_Biased	1.258	1.258	0.000
10	C42_Unbiased	1.260	1.260	0.001
10	A121_Unbiased	1.256	1.256	0.000
10	A124_Unbiased	1.254	1.253	0.000
10	B41_Unbiased	1.259	1.259	0.000
10	C43_Unbiased	1.256	1.255	0.000
10	C44_Unbiased	1.257	1.256	0.001
30	A125_Biased	1.257	1.257	0.000
30	B42_Biased	1.256	1.255	0.000
30	B43_Biased	1.258	1.257	0.000
30	C45_Biased	1.259	1.259	0.000
30	C46_Biased	1.257	1.256	0.000
30	A127_Unbiased	1.258	1.258	0.000
30	B45_Unbiased	1.256	1.256	0.000
30	B47_Unbiased	1.259	1.259	0.000
30	C47_Unbiased	1.257	1.256	0.000
30	C50_Unbiased	1.257	1.257	0.000
50	A128_Biased	1.259	1.258	0.000
50	A129_Biased	1.259	1.259	0.000
50	B48_Biased	1.257	1.256	0.000
50	B49_Biased	1.258	1.258	0.000
50	C51_Biased	1.260	1.259	0.000
50	A130_Unbiased	1.256	1.255	0.000
50	A131_Unbiased	1.257	1.257	0.000
50	B50_Unbiased	1.257	1.258	0.000
50	B51_Unbiased	1.254	1.259	-0.005
50	C53_Biased	1.258	1.257	0.001
0	106_Corr	1.257	1.257	0.000
100	A132_Biased	1.258	1.258	0.000
100	A134_Biased	1.256	1.258	-0.003
100	A135_Biased	1.257	1.257	0.000
100	B52_Biased	1.254	1.254	0.000
100	B54_Biased	1.257	1.257	0.000
100	B55_Biased	1.258	1.258	0.000
100	B56_Biased	1.259	1.259	0.000
100	B57_Biased	1.259	1.259	0.000
100	B59_Biased	1.256	1.255	0.000
100	B62_Biased	1.258	1.258	0.000
100	B63_Biased	1.257	1.257	0.001
100	B64_Biased	1.260	1.259	0.001
100	B66_Biased	1.258	1.257	0.000
100	B68_Biased	1.258	1.258	0.000
100	C54_Biased	1.257	1.256	0.001
100	C55_Biased	1.257	1.257	0.000
100	C56_Biased	1.259	1.259	0.000
100	C57_Biased	1.257	1.257	0.000
100	C58_Biased	1.257	1.257	0.000
100	C59_Biased	1.258	1.258	0.000
100	C65_Biased	1.257	1.257	0.000
100	C67_Biased	1.258	1.258	0.000
100	A122_Unbiased	1.259	1.259	0.000
100	A138_Unbiased	1.258	1.258	0.000
100	A139_Unbiased	1.257	1.257	0.000
100	B60_Unbiased	1.257	1.261	-0.005
100	B61_Unbiased	1.257	1.258	-0.001
100	B69_Unbiased	1.257	1.256	0.000
100	B70_Unbiased	1.257	1.257	0.000
100	B71_Unbiased	1.256	1.256	0.000
100	B72_Unbiased	1.257	1.257	0.000
100	B73_Unbiased	1.255	1.255	0.000
100	B74_Unbiased	1.255	1.255	0.000
100	B77_Unbiased	1.258	1.256	0.001
100	B78_Unbiased	1.257	1.257	0.000
100	B79_Unbiased	1.256	1.257	0.000
100	B80_Unbiased	1.257	1.256	0.000
100	C70_Unbiased	1.255	1.254	0.001
100	C71_Unbiased	1.258	1.258	0.000
100	C72_Unbiased	1.257	1.257	0.000
100	C73_Unbiased	1.256	1.256	0.000
100	C75_Unbiased	1.257	1.257	0.000
100	C76_Unbiased	1.260	1.260	0.000
100	C79_Unbiased	1.259	1.259	0.000
	Max	1.260	1.261	0.001
	Average	1.257	1.257	0.000
	Min	1.254	1.253	-0.005
	Std Dev	0.001	0.001	0.001

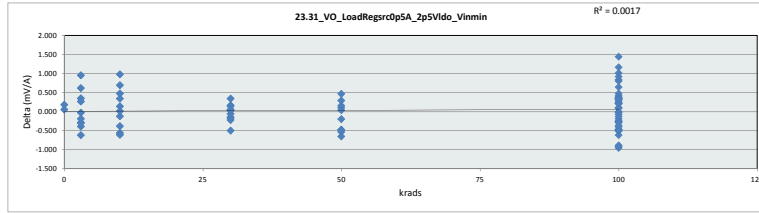


23_29_VO_srcload0p5A_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.28	V				
Min Limit	1.22	V				
krads	0	3	10	30	50	100
LL	1.220	1.220	1.220	1.220	1.220	1.220
Min	1.257	1.255	1.253	1.255	1.255	1.254
Average	1.257	1.257	1.257	1.257	1.258	1.257
Max	1.257	1.260	1.260	1.259	1.259	1.261
UL	1.280	1.280	1.280	1.280	1.280	1.280

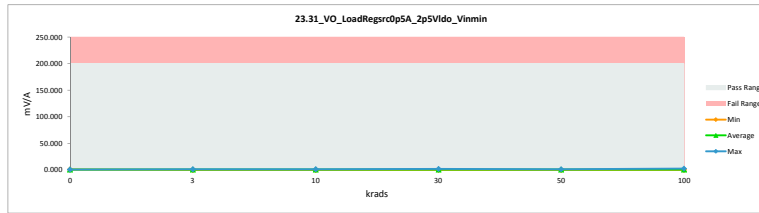


TID 100krad HDR Report
TPS7H3301-SP

23_31_VO_LoadRegrOp5A_2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.463	0.410	0.053
3	A116_Biased	0.990	0.035	0.955
3	A117_Biased	0.505	1.124	-0.619
3	B36_Biased	0.247	0.536	-0.289
3	B37_Biased	0.593	0.982	-0.389
3	C39_Biased	0.347	0.644	-0.297
3	A118_Unbiased	0.672	0.057	0.615
3	A140_Unbiased	0.463	0.118	0.345
3	B38_Unbiased	0.710	0.448	0.262
3	B39_Unbiased	0.097	0.129	-0.032
3	C40_Unbiased	0.148	0.334	-0.186
10	A119_Biased	0.546	1.109	-0.563
10	A120_Biased	0.450	0.835	-0.385
10	B40_Biased	0.392	0.513	-0.121
10	C41_Biased	0.160	0.021	0.139
10	C42_Biased	0.351	0.013	0.338
10	A121_Unbiased	0.847	0.152	0.695
10	A124_Unbiased	0.325	0.934	-0.609
10	B41_Unbiased	0.678	0.670	0.008
10	C43_Unbiased	1.213	0.238	0.975
10	C44_Unbiased	0.850	0.377	0.473
30	A125_Biased	0.778	1.001	-0.223
30	B42_Biased	1.623	1.774	-0.151
30	B43_Biased	1.024	1.000	0.024
30	C45_Biased	0.120	0.295	-0.175
30	C46_Biased	0.356	0.192	0.164
30	A127_Unbiased	0.406	0.065	0.341
30	B45_Unbiased	0.045	0.106	-0.061
30	B47_Unbiased	0.598	0.457	0.141
30	C47_Unbiased	1.077	1.020	0.057
30	C50_Unbiased	0.028	0.525	-0.497
50	A128_Biased	0.252	0.151	0.101
50	A129_Biased	0.127	0.322	-0.195
50	B48_Biased	0.890	0.424	0.466
50	B49_Biased	0.293	0.259	0.034
50	C51_Biased	0.143	0.413	-0.474
50	A130_Unbiased	0.327	0.865	-0.538
50	A131_Unbiased	0.527	0.370	0.157
50	B50_Unbiased	0.758	0.469	0.289
50	B51_Unbiased	0.040	0.493	-0.453
50	C53_Unbiased	0.068	0.548	-0.480
0	106_Corr	0.703	0.527	0.176
100	A132_Biased	0.609	0.868	-0.259
100	A134_Biased	1.122	2.076	-0.954
100	A135_Biased	1.070	0.844	0.226
100	B52_Biased	0.093	0.280	-0.187
100	B54_Biased	0.375	0.106	0.269
100	B55_Biased	0.492	0.077	0.415
100	B56_Biased	0.110	0.579	-0.469
100	B57_Biased	0.307	0.707	-0.400
100	B59_Biased	0.712	0.722	-0.010
100	B62_Biased	0.942	0.610	0.332
100	B63_Biased	1.471	1.394	0.087
100	B64_Biased	0.731	0.976	-0.245
100	B66_Biased	0.513	0.180	0.333
100	B68_Biased	0.040	0.053	-0.013
100	C54_Biased	0.971	0.167	0.804
100	C55_Biased	1.371	1.263	0.108
100	C56_Biased	0.145	1.032	-0.887
100	C57_Biased	0.472	0.144	0.328
100	C58_Biased	0.181	0.435	-0.254
100	C59_Biased	0.284	0.579	-0.295
100	C65_Biased	0.011	0.626	-0.615
100	C67_Biased	0.074	0.993	-0.919
100	A122_Unbiased	0.640	0.162	0.478
100	A138_Unbiased	0.671	0.306	0.365
100	A139_Unbiased	0.297	0.094	0.203
100	B60_Unbiased	1.193	1.700	-0.507
100	B61_Unbiased	1.171	1.186	-0.015
100	B69_Unbiased	1.193	0.185	1.008
100	B70_Unbiased	1.171	0.332	0.839
100	B71_Unbiased	1.020	0.378	0.642
100	B72_Unbiased	0.308	0.381	-0.073
100	B73_Unbiased	0.414	0.035	0.379
100	B74_Unbiased	1.999	0.834	1.165
100	B77_Unbiased	0.216	0.717	-0.501
100	B78_Unbiased	0.327	0.112	0.215
100	B79_Unbiased	1.520	0.081	1.439
100	B80_Unbiased	0.849	0.624	0.225
100	C70_Unbiased	0.417	0.081	0.336
100	C71_Unbiased	0.411	0.089	0.322
100	C72_Unbiased	0.531	0.665	-0.134
100	C73_Unbiased	0.357	0.836	-0.479
100	C75_Unbiased	1.000	0.077	0.923
100	C76_Unbiased	0.850	1.334	-0.484
100	C79_Unbiased	1.336	1.336	-0.000
	Max	1.999	2.076	1.439
	Average	0.596	0.558	0.038
	Min	0.011	0.013	-0.954
	Std Dev	0.429	0.455	0.487

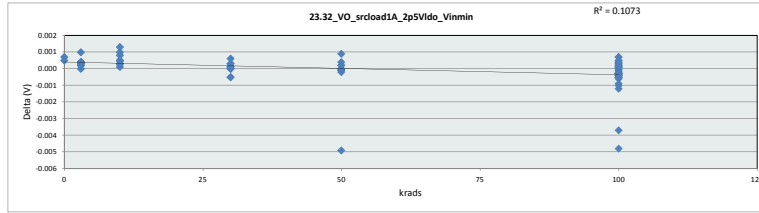


23_31_VO_LoadRegrOp5A_2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.410	0.035	0.013	0.065	0.151	0.035
Average	0.469	0.441	0.486	0.644	0.472	0.605
Max	0.527	1.124	1.109	1.774	0.865	2.076
UL	200.000	200.000	200.000	200.000	200.000	200.000

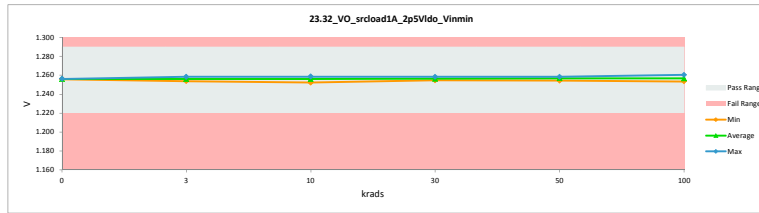


TID 100krad HDR Report
TPS7H3301-SP

23_32_VO_srcload1A_2p5VIdo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.29	1.29		
Min Limit	1.22	1.22		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.257	1.256	0.001
3	A116_Biased	1.257	1.257	0.000
3	A117_Biased	1.256	1.255	0.000
3	B36_Biased	1.256	1.256	0.000
3	B37_Biased	1.256	1.256	0.000
3	C39_Biased	1.257	1.256	0.001
3	A118_Unbiased	1.259	1.258	0.000
3	A140_Unbiased	1.257	1.256	0.000
3	B38_Unbiased	1.258	1.257	0.000
3	B39_Unbiased	1.254	1.254	0.000
3	C40_Unbiased	1.255	1.255	0.000
10	A119_Biased	1.258	1.257	0.000
10	A120_Biased	1.259	1.258	0.001
10	B40_Biased	1.255	1.255	0.000
10	C41_Biased	1.257	1.257	0.000
10	C42_Biased	1.259	1.258	0.001
10	A121_Unbiased	1.255	1.255	0.000
10	A124_Unbiased	1.253	1.252	0.000
10	B41_Unbiased	1.259	1.258	0.000
10	C43_Unbiased	1.255	1.254	0.001
10	C44_Unbiased	1.256	1.255	0.001
30	A125_Biased	1.257	-0.001	
30	B42_Biased	1.255	1.255	0.000
30	B43_Biased	1.256	1.256	0.000
30	C45_Biased	1.259	1.258	0.000
30	C46_Biased	1.255	1.255	0.000
30	A127_Unbiased	1.257	1.257	0.000
30	B45_Unbiased	1.254	1.255	0.000
30	B47_Unbiased	1.258	1.258	0.000
30	C47_Unbiased	1.256	1.256	0.000
30	C50_Unbiased	1.256	1.256	0.001
50	A128_Biased	1.258	1.258	0.000
50	A129_Biased	1.258	1.258	0.000
50	B48_Biased	1.256	1.256	0.000
50	B49_Biased	1.257	1.257	0.000
50	C51_Biased	1.259	1.258	0.000
50	A130_Unbiased	1.254	1.254	0.000
50	A131_Unbiased	1.256	1.256	0.000
50	B50_Unbiased	1.256	1.256	0.000
50	B51_Unbiased	1.253	1.253	-0.005
50	C53_Unbiased	1.257	1.256	0.001
0	106_Corr	1.257	1.256	0.000
100	A132_Biased	1.257	1.258	-0.001
100	A134_Biased	1.255	1.258	-0.004
100	A135_Biased	1.256	1.256	0.000
100	B52_Biased	1.253	1.253	0.000
100	B54_Biased	1.256	1.256	0.000
100	B55_Biased	1.256	1.257	0.000
100	B56_Biased	1.258	1.258	0.000
100	B57_Biased	1.258	1.259	-0.001
100	B59_Biased	1.255	1.255	0.000
100	B62_Biased	1.257	1.257	0.000
100	B63_Biased	1.257	1.257	0.000
100	B64_Biased	1.259	1.258	0.000
100	B66_Biased	1.257	1.257	0.000
100	B68_Biased	1.257	1.257	0.000
100	C54_Biased	1.256	1.255	0.001
100	C55_Biased	1.256	1.256	0.000
100	C56_Biased	1.258	1.259	-0.001
100	C57_Biased	1.256	1.257	0.000
100	C58_Biased	1.256	1.257	0.000
100	C59_Biased	1.258	1.258	0.000
100	C65_Biased	1.256	1.256	0.000
100	C67_Biased	1.257	1.258	-0.001
100	A122_Unbiased	1.258	1.258	0.000
100	A138_Unbiased	1.257	1.258	0.000
100	A139_Unbiased	1.256	1.256	0.000
100	B60_Unbiased	1.255	1.260	-0.005
100	B61_Unbiased	1.257	1.258	-0.001
100	B69_Unbiased	1.255	1.255	0.000
100	B70_Unbiased	1.257	1.256	0.000
100	B71_Unbiased	1.255	1.255	0.000
100	B72_Unbiased	1.256	1.257	0.000
100	B73_Unbiased	1.255	1.255	0.000
100	B74_Unbiased	1.255	1.254	0.001
100	B77_Unbiased	1.257	1.256	0.001
100	B78_Unbiased	1.256	1.256	0.000
100	B79_Unbiased	1.256	1.256	0.000
100	B80_Unbiased	1.256	1.255	0.000
100	C70_Unbiased	1.254	1.254	0.000
100	C71_Unbiased	1.257	1.257	0.000
100	C72_Unbiased	1.257	1.256	0.000
100	C73_Unbiased	1.256	1.255	0.000
100	C75_Unbiased	1.257	1.257	0.000
100	C76_Unbiased	1.259	1.260	0.000
100	C79_Unbiased	1.258	1.258	0.000
	Max	1.259	1.260	0.001
	Average	1.256	1.257	0.000
	Min	1.253	1.252	-0.005
	Std Dev	0.001	0.002	0.001

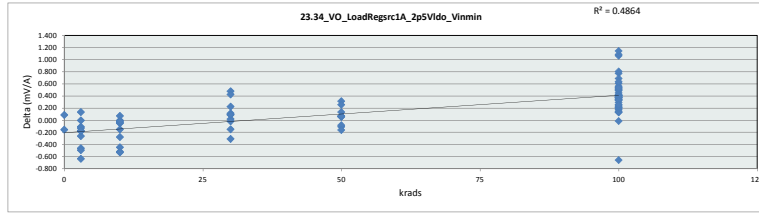


23_32_VO_srcload1A_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.29	V				
Min Limit	1.22	V				
krads	0	3	10	30	50	100
LL	1.220	1.220	1.220	1.220	1.220	1.220
Min	1.256	1.254	1.252	1.255	1.254	1.253
Average	1.256	1.256	1.256	1.256	1.257	1.257
Max	1.256	1.258	1.259	1.258	1.258	1.260
UL	1.290	1.290	1.290	1.290	1.290	1.290

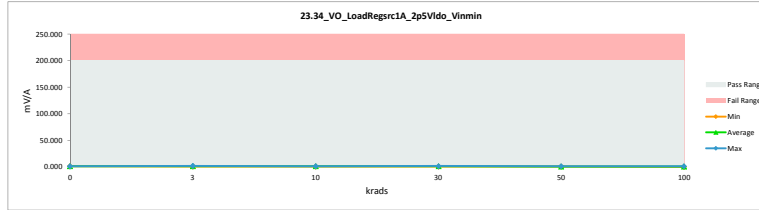


TID 100krad HDR Report
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23_34_VO_LoadRegrsr1A_2p5Vtc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.033	0.947	0.086
3	A116_Biased	0.313	0.777	-0.464
3	A117_Biased	1.207	1.468	-0.261
3	B36_Biased	0.961	1.141	-0.180
3	B37_Biased	1.246	1.111	0.135
3	C39_Biased	0.351	0.990	-0.639
3	A118_Unbiased	0.550	1.047	-0.497
3	A140_Unbiased	1.033	1.143	-0.110
3	B38_Unbiased	0.991	1.119	-0.128
3	B39_Unbiased	0.697	0.702	-0.005
3	C40_Unbiased	0.992	1.164	-0.172
10	A119_Biased	0.512	0.961	-0.449
10	A120_Biased	0.661	1.184	-0.523
10	B40_Biased	1.155	1.197	-0.042
10	C41_Biased	0.847	0.852	-0.005
10	C42_Biased	0.856	0.784	0.072
10	A121_Unbiased	0.306	0.837	-0.531
10	A124_Unbiased	1.082	1.358	-0.276
10	B41_Unbiased	0.656	0.708	-0.052
10	C43_Unbiased	0.930	0.949	-0.019
10	C44_Unbiased	0.957	1.108	-0.151
30	A125_Biased	1.292	0.812	0.480
30	B42_Biased	1.189	1.207	-0.018
30	B43_Biased	1.498	1.385	0.113
30	C45_Biased	0.582	0.562	0.020
30	C46_Biased	0.999	0.775	0.224
30	A127_Unbiased	0.576	0.884	-0.308
30	B45_Unbiased	1.601	1.174	0.427
30	B47_Unbiased	1.050	0.964	0.086
30	C47_Unbiased	1.083	0.990	0.093
30	C50_Unbiased	0.398	0.350	0.048
50	A128_Biased	0.774	0.716	0.058
50	A129_Biased	0.752	0.697	0.055
50	B48_Biased	0.449	0.557	-0.108
50	B49_Biased	0.473	0.555	-0.082
50	C51_Biased	0.929	0.327	0.132
50	A130_Unbiased	1.219	1.154	0.065
50	A131_Unbiased	1.424	1.355	0.069
50	B50_Unbiased	1.105	0.793	0.312
50	B51_Unbiased	1.025	-0.163	1.188
50	C53_Unbiased	0.621	0.364	0.257
0	106_Corr	0.986	1.142	-0.156
100	A132_Biased	0.509	0.175	0.334
100	A134_Biased	1.383	0.859	0.524
100	A135_Biased	1.032	0.695	0.337
100	B52_Biased	0.871	0.310	0.561
100	B54_Biased	0.764	0.556	0.208
100	B55_Biased	1.160	0.783	0.377
100	B56_Biased	0.788	0.405	0.383
100	B57_Biased	0.786	0.011	0.775
100	B59_Biased	0.816	0.646	0.170
100	B62_Biased	1.048	0.437	0.611
100	B63_Biased	1.159	0.740	0.419
100	B64_Biased	0.949	0.568	0.381
100	B66_Biased	0.831	0.344	0.487
100	B68_Biased	0.889	0.511	0.378
100	C54_Biased	1.040	0.495	0.545
100	C55_Biased	1.249	0.256	0.993
100	C56_Biased	0.596	0.266	0.130
100	C57_Biased	1.089	0.581	0.508
100	C58_Biased	0.871	0.422	0.449
100	C59_Biased	0.835	0.337	0.498
100	C65_Biased	0.970	0.290	0.680
100	C67_Biased	1.106	0.041	1.065
100	A122_Unbiased	1.052	0.637	0.415
100	A138_Unbiased	1.165	0.754	0.411
100	A139_Unbiased	1.069	0.661	0.408
100	B60_Unbiased	1.373	0.288	1.085
100	B61_Unbiased	1.167	0.022	1.145
100	B69_Unbiased	1.373	0.565	0.808
100	B70_Unbiased	1.167	0.803	0.364
100	B71_Unbiased	1.120	0.868	0.252
100	B72_Unbiased	0.657	0.271	0.386
100	B73_Unbiased	0.713	0.580	0.133
100	B74_Unbiased	1.355	1.215	0.140
100	B77_Unbiased	0.920	0.733	0.187
100	B78_Unbiased	1.115	0.777	0.338
100	B79_Unbiased	0.946	0.737	0.209
100	B80_Unbiased	1.296	1.065	0.231
100	C70_Unbiased	0.753	0.217	0.536
100	C71_Unbiased	0.900	0.525	0.375
100	C72_Unbiased	0.659	0.672	-0.013
100	C73_Unbiased	0.687	0.355	0.332
100	C75_Unbiased	0.987	0.348	0.639
100	C76_Unbiased	0.432	0.175	0.257
100	C79_Unbiased	0.634	0.629	-0.005
	Max	1.601	1.468	1.145
	Average	0.909	0.731	0.178
	Min	0.034	0.011	-0.659
	Std Dev	0.307	0.342	0.366

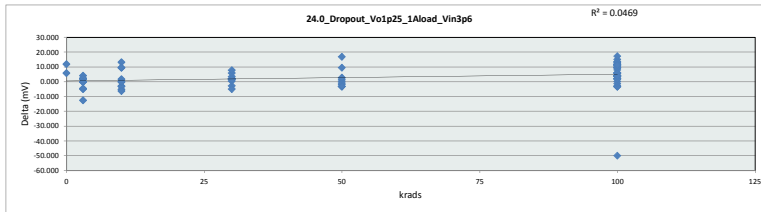


23_34_VO_LoadRegrsr1A_2p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.947	0.702	0.708	0.550	0.327	0.011
Average	1.045	1.066	0.994	0.930	0.754	0.531
Max	1.142	1.468	1.358	1.385	1.355	1.215
UL	200.000	200.000	200.000	200.000	200.000	200.000

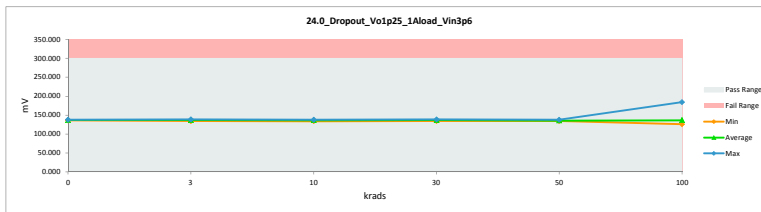


TID 100krad HDR Report
TPS7H3301-SP

24_0_Dropout_Vo1p25_1Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	142.080	136.231	5.849
3	A116_Biased	125.377	137.852	-12.475
3	A117_Biased	133.421	138.383	-4.962
3	B36_Biased	138.029	137.947	0.082
3	B37_Biased	137.733	137.804	-0.071
3	C39_Unbiased	138.721	136.490	2.231
3	A118_Unbiased	131.235	135.797	-4.562
3	A140_Unbiased	142.080	137.843	4.237
3	B38_Unbiased	138.688	136.931	1.757
3	B39_Unbiased	136.788	134.358	2.430
3	C40_Unbiased	137.452	137.500	-0.048
10	A119_Biased	132.212	135.115	-2.903
10	A120_Biased	130.760	135.964	-5.204
10	B40_Biased	136.879	136.629	0.250
10	C41_Biased	139.657	137.802	1.855
10	C42_Biased	147.308	134.061	13.247
10	A121_Unbiased	134.604	137.547	-2.943
10	A124_Unbiased	129.135	135.284	-6.149
10	B41_Unbiased	136.418	136.491	-0.073
10	C43_Unbiased	147.179	137.590	9.589
10	C44_Unbiased	146.867	137.401	9.466
30	A125_Biased	132.996	135.877	-2.881
30	B42_Biased	139.229	138.754	0.475
30	B43_Biased	137.411	135.546	1.865
30	C45_Biased	136.601	134.464	2.137
30	C46_Biased	141.153	137.589	3.564
30	A127_Unbiased	132.968	137.959	-4.991
30	B45_Unbiased	139.264	137.308	1.956
30	B47_Unbiased	138.053	136.430	1.623
30	C47_Unbiased	142.536	136.625	5.911
30	C50_Unbiased	144.842	136.954	7.888
50	A128_Biased	132.073	135.193	-3.120
50	A129_Biased	131.340	134.470	-3.130
50	B48_Biased	137.063	136.599	0.464
50	B49_Biased	135.908	137.609	-1.701
50	C51_Biased	146.177	136.640	9.537
50	A130_Unbiased	134.634	135.511	-0.877
50	A131_Unbiased	133.118	136.144	-3.026
50	B50_Unbiased	137.917	136.179	1.738
50	B51_Unbiased	137.195	134.335	2.860
50	C53_Unbiased	151.400	134.400	17.000
0	106_Corr	149.837	137.821	12.016
100	A132_Biased	132.957	135.961	-3.004
100	A134_Biased	134.144	184.082	-49.938
100	A135_Biased	133.380	136.207	-2.827
100	B52_Biased	137.285	135.267	2.018
100	B54_Biased	138.908	134.738	4.170
100	B55_Biased	139.668	135.709	3.959
100	B56_Biased	136.919	134.637	2.282
100	B57_Biased	138.670	134.403	4.267
100	B59_Biased	139.606	137.477	2.129
100	B62_Biased	139.534	133.538	5.996
100	B63_Biased	147.229	137.904	9.325
100	B64_Biased	150.055	136.443	13.612
100	B66_Biased	147.423	136.285	11.138
100	B68_Biased	145.884	135.922	9.962
100	C54_Biased	150.378	135.261	15.117
100	C55_Biased	140.115	133.970	6.145
100	C56_Biased	140.983	135.110	5.873
100	C57_Biased	138.044	133.956	4.088
100	C58_Biased	140.051	136.384	3.667
100	C59_Biased	141.449	137.417	4.032
100	C65_Biased	140.789	134.759	6.031
100	C67_Biased	141.573	133.420	8.153
100	A122_Unbiased	131.237	134.533	-3.296
100	A138_Unbiased	131.942	135.189	-3.247
100	A139_Unbiased	133.179	134.328	-1.149
100	B60_Unbiased	146.501	133.831	12.670
100	B61_Unbiased	146.006	133.836	12.170
100	B69_Unbiased	146.501	134.921	11.580
100	B70_Unbiased	146.006	134.177	11.829
100	B71_Unbiased	137.369	135.115	2.254
100	B72_Unbiased	136.830	136.597	0.233
100	B73_Unbiased	141.623	138.129	3.494
100	B74_Unbiased	145.151	135.861	9.290
100	B77_Unbiased	148.152	136.861	11.291
100	B78_Unbiased	138.558	136.780	1.778
100	B79_Unbiased	146.778	136.775	10.003
100	B80_Unbiased	138.458	134.505	3.953
100	C70_Unbiased	146.166	132.675	13.491
100	C71_Unbiased	153.301	135.977	17.324
100	C72_Unbiased	146.502	136.710	9.792
100	C73_Unbiased	147.174	135.499	11.675
100	C75_Unbiased	141.806	136.163	5.643
100	C76_Unbiased	137.965	134.011	3.954
100	C79_Unbiased	137.369	126.074	11.295
	Max	153.301	184.082	17.324
	Average	139.697	136.401	3.296
	Min	125.377	126.074	-49.938
	Std Dev	5.781	5.486	8.339



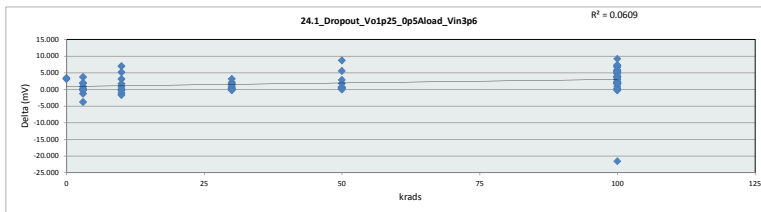
24_0_Dropout_Vo1p25_1Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	136.231	134.358	134.061	134.464	134.335	126.074
Average	137.026	137.091	136.388	136.745	135.708	136.298
Max	137.821	138.383	137.802	138.754	137.609	184.082
UL	300.000	300.000	300.000	300.000	300.000	300.000



TID 100krad HDR Report
TPS7H3301-SP

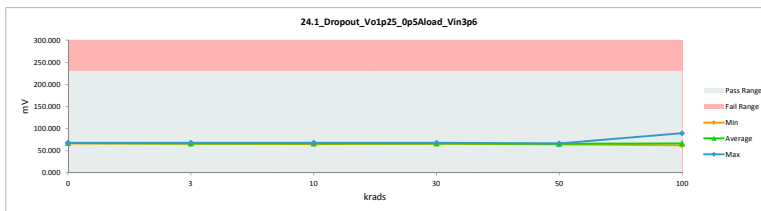
24.1_Dropout_Vo1p25_Op5Aload			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	230	0	
Min Limit	0	0	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	69.580	66.443	3.137
3	A116_Biased	61.980	65.777	-3.797
3	A117_Biased	67.181	66.396	0.785
3	B36_Biased	68.178	66.366	1.812
3	B37_Biased	67.540	67.643	-0.103
3	C39_Biased	66.628	66.505	0.123
3	A118_Unbiased	64.665	65.977	-1.312
3	A140_Unbiased	69.580	65.894	3.686
3	B38_Unbiased	66.819	66.920	-0.101
3	B39_Unbiased	66.323	66.575	-0.252
3	C40_Unbiased	67.466	65.484	1.982
10	A119_Biased	66.071	65.268	0.803
10	A120_Biased	64.649	65.774	-1.105
10	B40_Biased	66.805	66.726	0.079
10	C41_Biased	67.532	65.877	1.655
10	C42_Biased	71.182	66.042	5.140
10	A121_Unbiased	65.649	67.331	-1.682
10	A124_Unbiased	65.203	65.426	-0.223
10	B41_Unbiased	65.995	66.188	-0.193
10	C43_Unbiased	70.696	67.596	3.100
10	C44_Unbiased	72.429	65.450	6.979
30	A125_Biased	66.527	65.927	0.600
30	B42_Biased	67.291	67.019	0.272
30	B43_Biased	67.639	65.567	2.072
30	C45_Biased	66.301	66.482	-0.181
30	C46_Biased	69.228	67.619	1.609
30	A127_Unbiased	66.793	65.867	0.926
30	B45_Unbiased	67.686	67.396	0.290
30	B47_Unbiased	66.018	66.122	-0.104
30	C47_Unbiased	68.300	66.679	1.621
30	C50_Unbiased	70.400	67.224	3.176
50	A128_Biased	65.733	65.015	0.718
50	A129_Biased	64.986	64.392	0.594
50	B48_Biased	67.007	66.706	0.301
50	B49_Biased	65.527	65.574	-0.047
50	C51_Biased	72.233	66.649	5.584
50	A130_Unbiased	65.964	65.712	0.252
50	A131_Unbiased	66.723	66.282	0.441
50	B50_Unbiased	68.028	66.256	1.772
50	B51_Unbiased	67.299	64.494	2.805
50	C53_Unbiased	73.595	64.862	8.733
0	106_Corr	71.568	68.103	3.465
100	A132_Biased	66.958	66.029	0.929
100	A134_Biased	68.053	89.620	-21.567
100	A135_Biased	66.799	66.411	0.388
100	B52_Biased	67.152	65.275	1.877
100	B54_Biased	66.518	66.843	-0.325
100	B55_Biased	68.088	65.669	2.419
100	B56_Biased	66.525	64.753	1.772
100	B57_Biased	64.620	64.566	2.054
100	B59_Biased	67.523	65.522	2.001
100	B62_Biased	67.470	65.566	1.904
100	B63_Biased	71.151	65.729	5.422
100	B64_Biased	71.038	66.349	5.489
100	B66_Biased	73.570	66.225	7.345
100	B68_Biased	71.602	65.814	5.788
100	C54_Biased	72.035	65.226	6.809
100	C55_Biased	68.126	66.214	1.912
100	C56_Biased	68.817	65.014	3.803
100	C57_Biased	68.199	66.188	2.011
100	C58_Biased	68.252	66.471	1.781
100	C59_Biased	69.348	65.324	4.024
100	C65_Biased	68.930	65.053	3.877
100	C67_Biased	69.421	65.570	3.851
100	A122_Unbiased	67.465	64.428	3.037
100	A138_Unbiased	68.305	65.241	3.064
100	A139_Unbiased	66.779	64.502	2.277
100	B60_Unbiased	72.240	65.536	6.704
100	B61_Unbiased	71.584	65.786	5.798
100	B69_Unbiased	72.240	65.045	7.195
100	B70_Unbiased	71.584	66.002	5.582
100	B71_Unbiased	65.075	65.200	-0.125
100	B72_Unbiased	66.869	66.583	0.286
100	B73_Unbiased	69.547	66.051	3.496
100	B74_Unbiased	70.665	65.938	4.727
100	B77_Unbiased	71.792	66.992	4.800
100	B78_Unbiased	68.597	66.672	1.925
100	B79_Unbiased	72.049	67.094	4.955
100	B80_Unbiased	68.679	67.060	1.619
100	C70_Unbiased	71.820	64.613	7.207
100	C71_Unbiased	65.266	66.080	9.186
100	C72_Unbiased	70.053	66.516	3.537
100	C73_Unbiased	70.536	65.432	5.104
100	C75_Unbiased	67.812	66.064	1.748
100	C76_Unbiased	67.873	66.014	1.859
100	C79_Unbiased	67.335	61.905	5.430
	Max	75.266	89.620	9.186
	Average	68.421	66.230	2.191
	Min	61.980	61.905	-21.567
	Std Dev	2.466	2.712	3.630



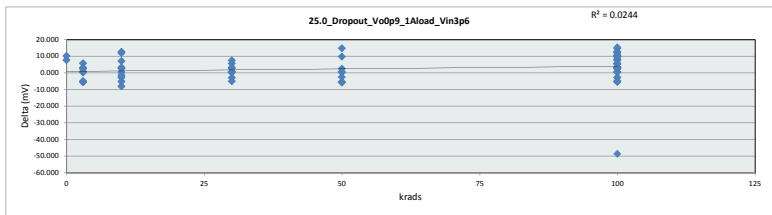
24.1_Dropout_Vo1p25_Op5Aload

krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	66.443	65.484	65.268	65.567	64.392	61.905
Average	67.273	66.354	66.168	66.590	65.594	66.231
Max	68.103	67.643	67.596	67.619	66.706	89.620
UL	230.000	230.000	230.000	230.000	230.000	230.000

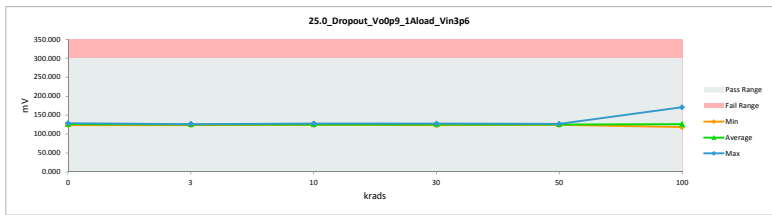


TID 100krad HDR Report
TPS7H3301-SP

25.0_Dropout_VoOp9_1Aload_Vi				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	131.622	123.957	7.665
3	A116_Biased	120.043	125.729	-5.686
3	A117_Biased	121.250	126.490	-5.240
3	B36_Biased	126.695	126.378	0.317
3	B37_Biased	128.733	125.773	2.960
3	C39_Unbiased	126.812	126.208	0.604
3	A118_Unbiased	118.920	123.956	-5.036
3	A140_Unbiased	131.622	125.955	5.667
3	B38_Unbiased	127.797	124.922	2.875
3	B39_Unbiased	126.286	123.866	2.420
3	C40_Unbiased	125.490	125.128	0.362
10	A119_Biased	120.029	125.373	-5.344
10	A120_Biased	118.592	126.796	-8.204
10	B40_Biased	127.323	126.976	0.347
10	C41_Biased	128.418	125.811	2.607
10	C42_Biased	136.655	124.103	12.552
10	A121_Unbiased	122.178	124.900	-2.722
10	A124_Unbiased	123.211	124.864	-1.653
10	B41_Unbiased	127.357	124.228	3.129
10	C43_Unbiased	134.866	127.791	7.075
10	C44_Unbiased	136.688	124.773	11.915
30	A125_Biased	120.403	123.397	-2.994
30	B42_Biased	127.493	127.106	0.387
30	B43_Biased	125.808	125.492	0.316
30	C45_Biased	124.842	124.483	0.359
30	C46_Biased	130.241	124.805	5.436
30	A127_Unbiased	120.522	125.634	-5.112
30	B45_Unbiased	127.976	127.390	0.586
30	B47_Unbiased	127.317	124.160	3.157
30	C47_Unbiased	129.434	126.783	2.651
30	C50_Unbiased	134.460	126.973	7.487
50	A128_Biased	119.738	125.614	-5.876
50	A129_Biased	119.100	124.537	-5.437
50	B48_Biased	127.247	126.748	0.499
50	B49_Biased	125.965	125.625	0.340
50	C51_Biased	134.487	124.733	9.754
50	A130_Unbiased	122.606	125.146	-2.540
50	A131_Unbiased	121.006	126.578	-5.572
50	B50_Unbiased	126.311	125.959	0.352
50	B51_Unbiased	126.988	124.533	2.455
50	C53_Unbiased	138.876	124.138	14.738
0	106_Corr	138.738	128.563	10.175
100	A132_Biased	120.905	125.833	-4.928
100	A134_Biased	122.098	170.788	-48.690
100	A135_Biased	121.137	123.825	-2.688
100	B52_Biased	127.193	124.681	2.512
100	B54_Biased	127.304	124.361	2.943
100	B55_Biased	128.654	125.529	3.125
100	B56_Biased	127.973	124.711	3.262
100	B57_Biased	127.887	124.545	3.342
100	B59_Biased	128.017	127.705	0.312
100	B62_Biased	128.512	122.967	5.545
100	B63_Biased	135.763	125.897	9.866
100	B64_Biased	139.679	127.147	12.532
100	B66_Biased	138.725	126.378	12.347
100	B68_Biased	133.521	123.375	10.146
100	C54_Biased	139.296	124.765	14.531
100	C55_Biased	126.474	123.815	2.659
100	C56_Biased	130.583	124.924	5.659
100	C57_Biased	126.525	123.478	3.047
100	C58_Biased	129.354	126.313	3.041
100	C59_Biased	130.769	127.964	2.805
100	C65_Biased	129.893	124.531	5.362
100	C67_Biased	131.048	122.905	8.143
100	A122_Unbiased	119.121	124.544	-5.423
100	A138_Unbiased	119.895	125.422	-5.527
100	A139_Unbiased	120.881	123.860	-2.979
100	B60_Unbiased	134.330	123.570	10.760
100	B61_Unbiased	136.071	125.724	10.347
100	B69_Unbiased	134.330	124.586	9.744
100	B70_Unbiased	136.071	123.642	12.429
100	B71_Unbiased	125.168	124.719	0.449
100	B72_Unbiased	124.897	124.410	0.487
100	B73_Unbiased	130.633	125.497	5.136
100	B74_Unbiased	132.985	123.160	9.825
100	B77_Unbiased	136.595	126.838	9.757
100	B78_Unbiased	129.713	126.719	2.994
100	B79_Unbiased	134.560	127.128	7.432
100	B80_Unbiased	126.935	124.330	2.605
100	C70_Unbiased	136.026	124.069	11.957
100	C71_Unbiased	141.312	125.927	15.385
100	C72_Unbiased	134.228	126.402	7.826
100	C73_Unbiased	135.156	125.088	10.068
100	C75_Unbiased	128.991	125.872	3.119
100	C76_Unbiased	126.777	123.936	2.841
100	C79_Unbiased	128.184	138.413	9.771
	Max	141.312	170.788	15.385
	Average	128.539	125.729	2.810
	Min	118.592	118.413	-48.690
	Std Dev	5.789	5.129	8.046



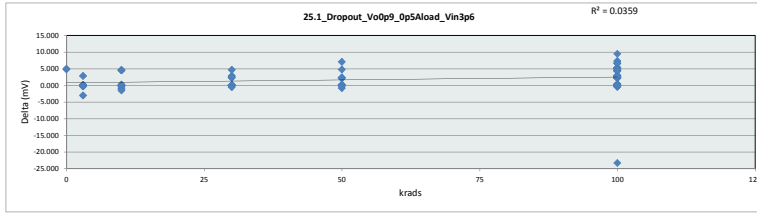
25.0_Dropout_VoOp9_1Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	123.957	123.866	124.103	123.397	124.138	118.413
Average	126.260	125.441	125.562	125.622	125.361	125.916
Max	128.563	126.490	127.791	127.390	126.748	170.788
UL	300.000	300.000	300.000	300.000	300.000	300.000



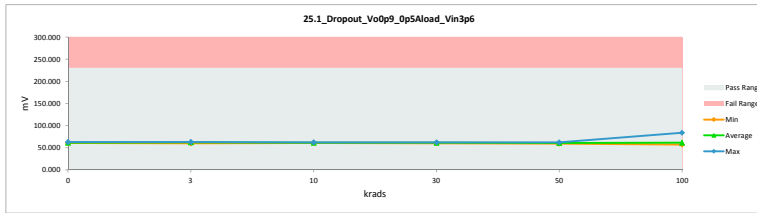
TID 100krad HDR Report
TPS7H3301-SP

25.1_Dropout_VoOp9_Op5Aload			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	230	230	
Min Limit	0	0	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	65.225	60.350	4.875
3	A116_Biased	59.295	62.354	-3.059
3	A117_Biased	62.994	63.122	-0.228
3	B36_Biased	63.192	63.070	0.122
3	B37_Biased	62.381	62.463	-0.082
3	C39_Biased	60.383	60.530	-0.147
3	A118_Unbiased	60.719	60.528	0.191
3	A140_Unbiased	65.225	62.424	2.801
3	B38_Unbiased	61.540	61.731	-0.191
3	B39_Unbiased	60.067	60.146	-0.079
3	C40_Unbiased	61.496	61.707	-0.211
10	A119_Biased	61.871	61.870	0.001
10	A120_Biased	60.434	60.516	-0.082
10	B40_Biased	60.959	60.854	0.105
10	C41_Biased	61.969	62.259	-0.290
10	C42_Biased	65.207	60.591	4.616
10	A121_Unbiased	60.645	61.533	-0.888
10	A124_Unbiased	59.627	61.138	-1.511
10	B41_Unbiased	61.018	60.732	0.286
10	C43_Unbiased	66.329	61.768	4.561
10	C44_Unbiased	66.062	61.483	4.579
30	A125_Biased	62.496	59.577	2.919
30	B42_Biased	61.121	61.191	-0.070
30	B43_Biased	62.142	62.244	-0.102
30	C45_Biased	60.874	60.868	0.006
30	C46_Biased	63.929	61.613	2.316
30	A127_Unbiased	62.435	62.383	0.052
30	B45_Unbiased	61.614	61.443	0.171
30	B47_Unbiased	60.465	60.943	-0.478
30	C47_Unbiased	63.024	60.609	2.415
30	C50_Unbiased	65.221	61.288	4.433
50	A128_Biased	61.491	59.129	2.362
50	A129_Biased	61.016	60.993	0.023
50	B48_Biased	61.049	60.920	0.129
50	B49_Biased	62.210	61.920	0.290
50	C51_Biased	64.051	61.261	4.790
50	A130_Unbiased	61.112	61.961	-0.849
50	A131_Unbiased	62.880	60.782	2.098
50	B50_Unbiased	62.658	60.284	2.374
50	B51_Unbiased	60.899	61.159	-0.260
50	C53_Unbiased	67.604	60.537	7.067
0	106_Corr	67.630	62.656	4.974
100	A132_Biased	62.777	59.902	2.875
100	A134_Biased	60.908	84.093	-23.285
100	A135_Biased	62.765	60.326	2.439
100	B52_Biased	61.102	61.336	-0.234
100	B54_Biased	61.201	60.931	0.270
100	B55_Biased	62.444	62.531	-0.087
100	B56_Biased	61.700	61.219	0.481
100	B57_Biased	61.240	61.189	0.051
100	B59_Biased	61.637	62.027	-0.390
100	B62_Biased	62.011	59.526	2.485
100	B63_Biased	67.396	62.515	4.881
100	B64_Biased	68.244	60.904	7.340
100	B66_Biased	67.504	60.503	7.001
100	B68_Biased	65.027	59.996	5.031
100	C54_Biased	68.267	61.700	6.567
100	C55_Biased	62.689	60.383	2.306
100	C56_Biased	64.255	61.576	2.679
100	C57_Biased	62.734	60.022	2.712
100	C58_Biased	62.884	60.294	2.590
100	C59_Biased	64.804	61.791	3.013
100	C65_Biased	63.647	61.224	2.423
100	C67_Biased	61.963	59.443	2.520
100	A122_Unbiased	60.746	61.138	-0.392
100	A138_Unbiased	61.693	61.810	-0.117
100	A139_Unbiased	62.697	60.482	2.215
100	B60_Unbiased	65.742	60.352	5.390
100	B61_Unbiased	65.188	59.832	5.356
100	B69_Unbiased	65.742	61.440	4.302
100	B70_Unbiased	65.188	59.893	5.295
100	B71_Unbiased	61.571	61.260	0.311
100	B72_Unbiased	61.110	60.807	0.303
100	B73_Unbiased	64.281	62.142	2.139
100	B74_Unbiased	64.237	59.626	4.611
100	B77_Unbiased	65.401	60.985	4.416
100	B78_Unbiased	63.485	60.521	2.964
100	B79_Unbiased	65.900	60.938	4.962
100	B80_Unbiased	63.371	60.891	2.480
100	C70_Unbiased	67.125	60.573	6.552
100	C71_Unbiased	69.411	59.460	9.460
100	C72_Unbiased	65.673	60.639	5.034
100	C73_Unbiased	66.113	61.523	4.590
100	C75_Unbiased	62.569	62.440	0.129
100	C76_Unbiased	63.201	60.542	2.659
100	C79_Unbiased	61.673	61.673	4.375
	Max	69.411	84.093	9.460
	Average	63.190	61.321	1.869
	Min	59.295	57.298	-23.285
	Std Dev	2.326	2.663	3.706

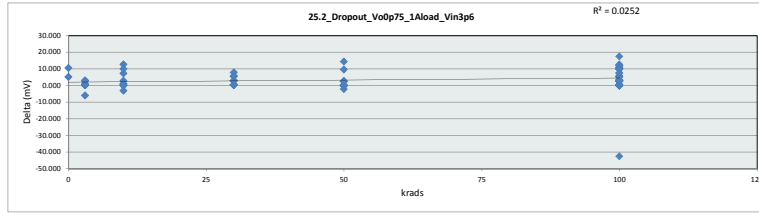


25.1_Dropout_VoOp9_Op5Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	60.350	60.146	60.516	59.677	59.129	57.298
Average	61.503	61.808	61.274	61.226	60.895	61.332
Max	62.656	63.122	62.259	62.383	61.961	84.093
UL	230.000	230.000	230.000	230.000	230.000	230.000

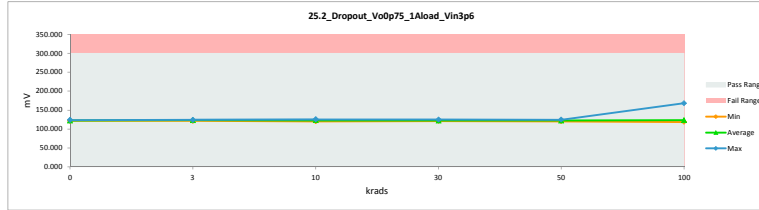


TID 100krad HDR Report
TPS7H3301-SP

25_2_Dropout_VoOp75_1Aload_1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	126.935	121.749	5.186
3	A116_Biased	117.448	123.560	-6.112
3	A117_Biased	124.677	124.429	0.248
3	B36_Biased	124.555	124.405	0.150
3	B37_Biased	124.084	123.614	0.470
3	C39_Biased	124.589	124.389	0.200
3	A118_Unbiased	122.050	121.539	0.511
3	A140_Unbiased	126.935	123.937	2.998
3	B38_Unbiased	125.698	123.004	2.694
3	B39_Unbiased	121.786	121.568	0.218
3	C40_Unbiased	123.294	122.634	0.660
10	A119_Biased	123.263	123.081	0.182
10	A120_Biased	121.607	124.668	-3.061
10	B40_Biased	122.462	122.231	0.231
10	C41_Biased	126.306	123.410	2.896
10	C42_Biased	134.348	121.729	12.619
10	A121_Unbiased	122.056	122.755	-0.149
10	A124_Unbiased	121.420	120.262	1.158
10	B41_Unbiased	122.215	121.953	0.262
10	C43_Unbiased	132.720	125.498	7.222
10	C44_Unbiased	132.450	122.579	9.871
30	A125_Biased	123.879	121.253	2.626
30	B42_Biased	125.255	125.031	0.224
30	B43_Biased	123.612	123.520	0.092
30	C45_Biased	122.564	122.249	0.315
30	C46_Biased	128.139	122.520	5.619
30	A127_Unbiased	123.960	123.500	0.460
30	B45_Unbiased	125.572	122.681	2.891
30	B47_Unbiased	125.086	122.095	2.991
30	C47_Unbiased	127.075	121.805	5.270
30	C50_Unbiased	129.908	122.140	7.768
50	A128_Biased	122.986	120.539	2.447
50	A129_Biased	122.402	122.350	0.052
50	B48_Biased	122.435	124.653	-2.218
50	B49_Biased	123.760	123.571	0.189
50	C51_Biased	132.471	122.858	9.613
50	A130_Unbiased	122.750	123.116	-0.366
50	A131_Unbiased	124.323	121.799	2.524
50	B50_Unbiased	124.258	121.786	2.472
50	B51_Unbiased	122.794	122.498	0.296
50	C53_Unbiased	136.251	121.965	14.286
0	106_Corr	134.168	123.738	10.430
100	A132_Biased	124.067	123.818	0.249
100	A134_Biased	125.291	167.902	-42.611
100	A135_Biased	124.516	121.657	2.859
100	B52_Biased	122.535	122.693	-0.158
100	B54_Biased	124.956	122.399	2.557
100	B55_Biased	124.022	123.517	0.505
100	B56_Biased	122.936	122.574	0.362
100	B57_Biased	125.631	122.432	3.199
100	B59_Biased	125.792	125.875	-0.083
100	B62_Biased	126.178	120.881	5.297
100	B63_Biased	131.266	123.841	7.425
100	B64_Biased	134.763	122.215	12.548
100	B66_Biased	133.754	121.821	11.933
100	B68_Biased	131.300	120.933	10.367
100	C54_Biased	134.484	122.471	12.013
100	C55_Biased	124.573	121.431	3.142
100	C56_Biased	128.299	122.871	5.428
100	C57_Biased	124.244	121.317	2.927
100	C58_Biased	127.402	124.227	3.175
100	C59_Biased	125.925	123.123	2.802
100	C65_Biased	124.796	122.453	2.343
100	C67_Biased	126.333	120.716	5.617
100	A122_Unbiased	125.248	122.405	2.843
100	A138_Unbiased	122.984	123.232	-0.248
100	A139_Unbiased	124.273	121.689	2.584
100	B60_Unbiased	132.343	121.394	10.949
100	B61_Unbiased	131.673	121.121	10.552
100	B69_Unbiased	132.343	122.508	9.835
100	B70_Unbiased	131.673	121.372	10.301
100	B71_Unbiased	132.990	122.721	10.269
100	B72_Unbiased	122.643	122.061	0.582
100	B73_Unbiased	128.323	123.340	4.983
100	B74_Unbiased	131.010	121.284	9.726
100	B77_Unbiased	134.426	122.472	11.954
100	B78_Unbiased	124.810	121.977	2.833
100	B79_Unbiased	132.311	122.347	9.964
100	B80_Unbiased	124.979	122.189	2.790
100	C70_Unbiased	133.628	121.807	11.821
100	C71_Unbiased	138.641	121.305	17.336
100	C72_Unbiased	132.040	121.612	10.428
100	C73_Unbiased	132.809	122.862	9.947
100	C75_Unbiased	126.596	123.708	2.888
100	C76_Unbiased	124.747	121.716	3.031
100	C79_Unbiased	126.083	118.687	7.396
	Max	138.641	167.902	17.336
	Average	126.682	123.066	3.616
	Min	117.448	118.687	-42.611
	Std Dev	4.330	5.036	6.846

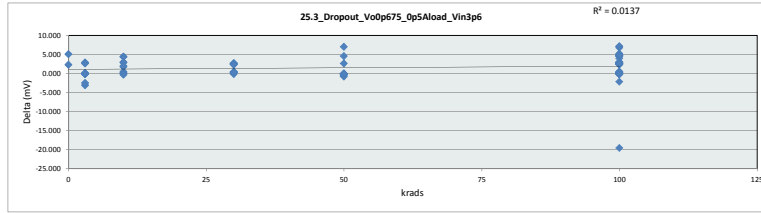


25_2_Dropout_VoOp75_1Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	121.749	121.539	120.262	121.258	120.539	118.687
Average	122.744	123.308	122.817	122.680	122.514	123.295
Max	123.738	124.429	125.498	125.031	124.653	167.902
UL	300.000	300.000	300.000	300.000	300.000	300.000

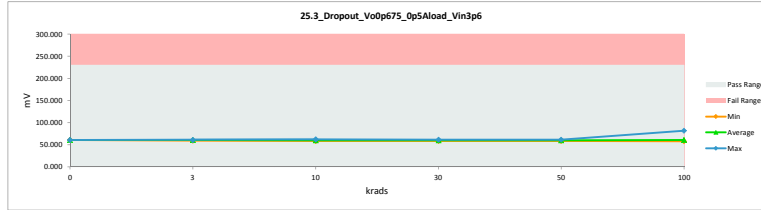


TID 100krad HDR Report
TPS7H3301-SP

25_3_Dropout_VoOp675_Op5A10s				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	63.176	60.828	2.348
3	A116_Biased	56.980	60.046	-3.066
3	A117_Biased	60.992	61.043	-0.051
3	B36_Biased	60.750	60.899	-0.149
3	B37_Biased	60.161	60.049	0.112
3	C39_Biased	60.958	60.947	0.011
3	A118_Unbiased	58.510	60.993	-2.483
3	A140_Unbiased	63.176	60.277	2.899
3	B38_Unbiased	62.142	59.459	2.683
3	B39_Unbiased	60.356	60.431	-0.075
3	C40_Unbiased	59.437	59.530	-0.093
10	A119_Biased	59.719	59.619	0.100
10	A120_Biased	61.453	60.973	0.480
10	B40_Biased	61.445	61.337	0.108
10	C41_Biased	62.669	59.773	2.896
10	C42_Biased	65.319	60.925	4.394
10	A121_Unbiased	58.908	59.198	-0.290
10	A124_Unbiased	60.954	59.148	1.806
10	B41_Unbiased	61.458	58.438	3.020
10	C43_Unbiased	64.114	62.113	2.001
10	C44_Unbiased	63.624	59.202	4.422
30	A125_Biased	60.071	60.228	-0.157
30	B42_Biased	61.908	61.470	0.438
30	B43_Biased	60.151	59.797	0.354
30	C45_Biased	61.337	58.731	2.606
30	C46_Biased	61.806	59.210	2.496
30	A127_Unbiased	60.270	60.064	0.206
30	B45_Unbiased	61.903	59.142	2.761
30	B47_Unbiased	61.269	61.079	0.190
30	C47_Unbiased	63.536	61.058	2.478
30	C50_Unbiased	63.859	63.524	0.334
50	A128_Biased	59.576	59.734	-0.218
50	A129_Biased	58.640	58.841	-0.201
50	B48_Biased	61.418	61.350	0.068
50	B49_Biased	59.953	60.955	-0.102
50	C51_Biased	63.868	59.291	4.577
50	A130_Unbiased	59.076	59.867	-0.791
50	A131_Unbiased	60.690	61.133	-0.443
50	B50_Unbiased	60.617	60.667	-0.050
50	B51_Unbiased	61.319	58.664	2.655
50	C53_Unbiased	65.383	58.351	7.032
0	106_Corr	65.587	60.473	5.114
100	A132_Biased	60.502	60.157	0.345
100	A134_Biased	61.838	81.414	-19.576
100	A135_Biased	60.537	60.746	-0.209
100	B52_Biased	58.958	58.957	0.001
100	B54_Biased	61.325	58.785	2.540
100	B55_Biased	60.409	60.059	0.350
100	B56_Biased	59.295	59.056	0.239
100	B57_Biased	61.798	58.947	2.851
100	B59_Biased	62.232	59.484	2.748
100	B62_Biased	59.892	59.748	0.144
100	B63_Biased	65.043	60.353	4.690
100	B64_Biased	65.798	61.285	4.513
100	B66_Biased	65.471	60.849	4.622
100	B68_Biased	62.749	60.076	2.673
100	C54_Biased	65.942	59.197	6.745
100	C55_Biased	60.773	60.573	0.200
100	C56_Biased	61.962	59.438	2.524
100	C57_Biased	60.714	60.183	0.531
100	C58_Biased	61.013	60.897	0.116
100	C59_Biased	62.494	59.461	3.033
100	C65_Biased	61.566	60.229	1.337
100	C67_Biased	62.686	59.780	2.906
100	A122_Unbiased	61.769	58.872	2.897
100	A138_Unbiased	59.341	59.546	-0.205
100	A139_Unbiased	60.806	58.288	2.518
100	B60_Unbiased	63.695	60.714	2.981
100	B61_Unbiased	65.469	60.251	5.218
100	B69_Unbiased	63.695	59.000	4.695
100	B70_Unbiased	65.469	60.446	5.023
100	B71_Unbiased	59.213	59.167	0.046
100	B72_Unbiased	59.055	61.202	-2.147
100	B73_Unbiased	62.249	59.838	2.411
100	B74_Unbiased	64.728	59.984	4.744
100	B77_Unbiased	65.991	58.877	7.114
100	B78_Unbiased	61.005	61.125	-0.120
100	B79_Unbiased	63.818	61.439	2.379
100	B80_Unbiased	61.180	61.166	0.014
100	C70_Unbiased	64.903	60.905	3.998
100	C71_Unbiased	67.303	60.161	7.142
100	C72_Unbiased	63.139	60.761	2.378
100	C73_Unbiased	63.909	59.365	4.544
100	C75_Unbiased	62.952	60.262	2.690
100	C76_Unbiased	61.057	61.078	-0.021
100	C79_Unbiased	62.383	67.573	-4.810
	Max	67.303	81.414	7.142
	Average	61.915	60.284	1.631
	Min	56.980	57.573	-19.576
	Std Dev	2.120	2.484	3.206

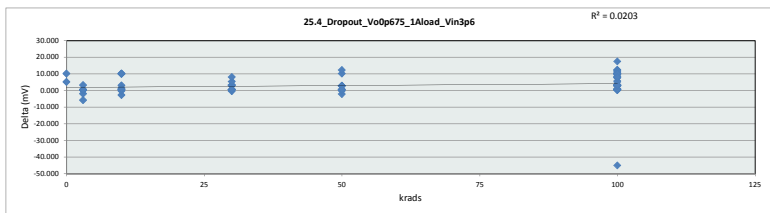


25_3_Dropout_VoOp675_Op5A10s						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	60.473	59.459	58.438	58.731	58.351	57.573
Average	60.651	60.367	60.073	60.240	59.795	60.418
Max	60.828	61.043	62.113	61.525	61.350	81.414
UL	230.000	230.000	230.000	230.000	230.000	230.000

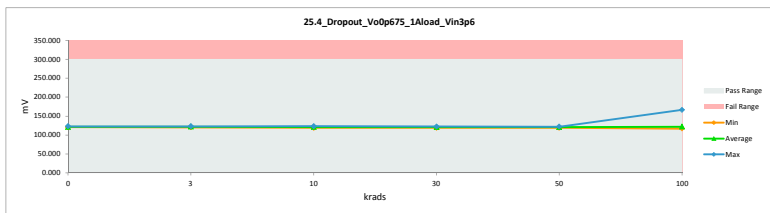


TID 100krad HDR Report
TPS7H3301-SP

25.4_Dropout_VoOp675_1Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	125.810	120.618	5.192
3	A116_Biased	116.364	122.264	-5.900
3	A117_Biased	123.372	123.001	0.371
3	B36_Biased	123.537	123.019	0.518
3	B37_Biased	122.738	122.388	0.350
3	C39_Biased	121.062	123.042	-1.980
3	A118_Unbiased	120.780	120.437	0.343
3	A140_Unbiased	125.810	122.557	3.253
3	B38_Unbiased	122.093	121.701	0.392
3	B39_Unbiased	120.465	120.271	0.194
3	C40_Unbiased	121.976	121.698	0.278
10	A119_Biased	122.238	121.937	0.301
10	A120_Biased	122.637	123.379	-2.742
10	B40_Biased	121.466	120.987	0.479
10	C41_Biased	125.059	122.074	2.985
10	C42_Biased	130.635	120.598	10.037
10	A121_Unbiased	121.209	121.548	-0.339
10	A124_Unbiased	120.477	119.197	1.280
10	B41_Unbiased	121.385	120.760	0.625
10	C43_Unbiased	131.559	121.685	9.874
10	C44_Unbiased	131.396	121.367	10.029
30	A125_Biased	119.548	120.010	-0.462
30	B42_Biased	124.347	121.213	3.134
30	B43_Biased	122.636	119.361	3.275
30	C45_Biased	121.315	120.867	0.448
30	C46_Biased	124.391	121.651	2.740
30	A127_Unbiased	122.779	122.336	0.443
30	B45_Unbiased	121.966	121.582	0.384
30	B47_Unbiased	121.157	120.695	0.462
30	C47_Unbiased	126.027	120.707	5.320
30	C50_Unbiased	129.004	120.980	8.024
50	A128_Biased	122.014	119.377	2.637
50	A129_Biased	121.307	120.822	0.485
50	B48_Biased	121.254	120.864	0.390
50	B49_Biased	119.914	122.167	-2.253
50	C51_Biased	131.448	121.341	10.107
50	A130_Unbiased	121.690	121.874	-0.184
50	A131_Unbiased	123.396	120.512	2.884
50	B50_Unbiased	123.068	120.234	2.834
50	B51_Unbiased	121.835	121.234	0.601
50	C53_Unbiased	132.614	120.395	12.219
0	106_Corr	132.838	122.803	10.035
100	A132_Biased	122.987	122.146	0.841
100	A134_Biased	121.281	166.375	-45.094
100	A135_Biased	123.202	120.386	2.816
100	B52_Biased	121.458	121.253	0.205
100	B54_Biased	121.501	121.184	0.317
100	B55_Biased	122.946	122.235	0.711
100	B56_Biased	121.964	121.231	0.733
100	B57_Biased	121.506	120.997	0.509
100	B59_Biased	124.790	121.735	3.055
100	B62_Biased	122.540	119.464	3.076
100	B63_Biased	130.257	122.708	7.549
100	B64_Biased	133.355	120.892	12.463
100	B66_Biased	132.722	120.440	12.282
100	B68_Biased	128.180	119.601	8.579
100	C54_Biased	133.372	121.379	11.993
100	C55_Biased	123.506	120.046	3.460
100	C56_Biased	124.718	121.426	3.292
100	C57_Biased	123.204	120.245	2.959
100	C58_Biased	123.399	122.957	0.442
100	C59_Biased	124.834	121.828	3.006
100	C65_Biased	123.980	121.125	2.855
100	C67_Biased	125.030	119.433	5.597
100	A122_Unbiased	121.265	120.854	0.411
100	A138_Unbiased	122.127	121.898	0.229
100	A139_Unbiased	123.250	120.664	2.586
100	B60_Unbiased	131.309	120.213	11.096
100	B61_Unbiased	130.674	119.694	10.980
100	B69_Unbiased	131.309	121.408	9.901
100	B70_Unbiased	130.674	120.339	10.335
100	B71_Unbiased	121.757	121.343	0.414
100	B72_Unbiased	121.549	120.730	0.819
100	B73_Unbiased	127.325	122.282	5.043
100	B74_Unbiased	129.906	120.017	9.889
100	B77_Unbiased	131.003	121.004	9.999
100	B78_Unbiased	123.606	120.440	3.166
100	B79_Unbiased	128.757	121.083	7.674
100	B80_Unbiased	123.800	121.023	2.777
100	C70_Unbiased	130.277	120.557	9.720
100	C71_Unbiased	137.471	120.050	17.421
100	C72_Unbiased	128.432	120.276	8.156
100	C73_Unbiased	131.596	121.742	9.854
100	C75_Unbiased	125.627	122.589	3.038
100	C76_Unbiased	123.627	120.514	3.113
100	C79_Unbiased	124.991	116.969	8.022
	Max	137.471	166.375	17.421
	Average	124.950	121.632	3.318
	Min	116.364	116.969	-45.094
	Std Dev	4.265	4.995	6.924

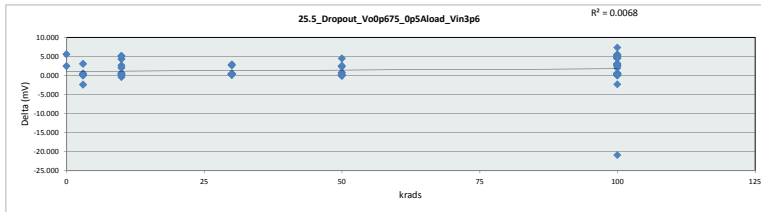


25.4_Dropout_VoOp675_1Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	120.618	120.271	119.197	119.361	119.377	116.969
Average	121.711	122.038	121.353	120.940	120.882	121.927
Max	122.803	123.042	123.379	122.336	122.167	166.375
UL	300.000	300.000	300.000	300.000	300.000	300.000

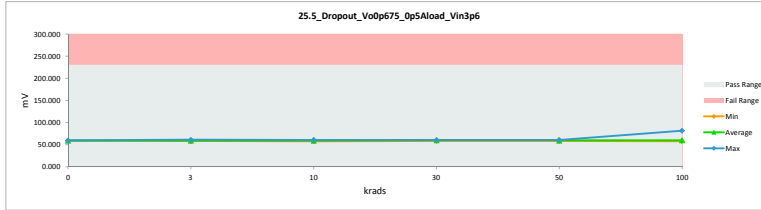


TID 100krad HDR Report
TPS7H3301-SP

25_5_Dropout_VoOp675_Op5A1o				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	62.089	59.573	2.516
3	A116_Biased	58.959	58.805	0.154
3	A117_Biased	60.055	59.550	0.505
3	B36_Biased	59.775	59.558	0.217
3	B37_Biased	58.864	58.865	-0.001
3	C39_Biased	59.838	59.484	0.354
3	A118_Unbiased	57.288	59.698	-2.410
3	A140_Unbiased	62.089	59.061	3.028
3	B38_Unbiased	61.113	60.965	0.148
3	B39_Unbiased	59.324	59.121	0.203
3	C40_Unbiased	58.320	58.123	0.197
10	A119_Biased	58.571	58.356	0.215
10	A120_Biased	60.213	59.560	0.653
10	B40_Biased	60.555	59.971	0.584
10	C41_Biased	61.458	58.837	2.621
10	C42_Biased	64.312	60.007	4.305
10	A121_Unbiased	57.799	58.193	-0.394
10	A124_Unbiased	60.056	58.016	2.040
10	B41_Unbiased	60.447	60.115	0.332
10	C43_Unbiased	65.663	60.538	5.125
10	C44_Unbiased	65.562	60.460	5.103
30	A125_Biased	59.215	59.969	-0.754
30	B42_Biased	60.768	60.189	0.579
30	B43_Biased	59.165	58.677	0.488
30	C45_Biased	60.309	60.002	0.307
30	C46_Biased	60.588	60.280	0.308
30	A127_Unbiased	59.188	58.915	0.273
30	B45_Unbiased	61.044	60.746	0.298
30	B47_Unbiased	60.219	59.985	0.234
30	C47_Unbiased	62.419	59.548	2.871
30	C50_Unbiased	62.717	60.115	2.602
50	A128_Biased	58.475	58.560	-0.087
50	A129_Biased	60.882	60.059	0.823
50	B48_Biased	60.376	60.076	0.300
50	B49_Biased	59.094	58.404	0.690
50	C51_Biased	62.933	60.652	2.281
50	A130_Unbiased	61.002	58.427	2.575
50	A131_Unbiased	59.813	59.826	-0.013
50	B50_Unbiased	59.543	59.376	0.167
50	B51_Unbiased	60.328	60.307	0.021
50	C53_Unbiased	64.238	59.762	4.476
0	106_Corr	64.704	59.110	5.594
100	A132_Biased	59.400	58.913	0.487
100	A134_Biased	60.919	81.822	-20.903
100	A135_Biased	59.657	59.445	0.212
100	B52_Biased	60.234	57.671	2.563
100	B54_Biased	60.464	60.274	0.190
100	B55_Biased	59.360	58.991	0.369
100	B56_Biased	60.807	60.300	0.507
100	B57_Biased	60.679	60.223	0.456
100	B59_Biased	61.324	60.814	0.510
100	B62_Biased	61.500	58.754	2.746
100	B63_Biased	64.309	59.089	5.220
100	B64_Biased	65.010	60.016	4.994
100	B66_Biased	64.097	59.626	4.471
100	B68_Biased	64.259	58.868	5.391
100	C54_Biased	65.049	60.371	4.678
100	C55_Biased	59.790	59.403	0.387
100	C56_Biased	61.074	58.030	3.044
100	C57_Biased	59.501	59.043	0.458
100	C58_Biased	59.698	59.567	0.131
100	C59_Biased	61.220	60.880	0.340
100	C65_Biased	60.543	59.980	0.563
100	C67_Biased	61.423	58.665	2.758
100	A122_Unbiased	60.715	60.100	0.615
100	A138_Unbiased	61.578	58.480	3.098
100	A139_Unbiased	59.651	59.632	0.019
100	B60_Unbiased	62.536	59.384	3.152
100	B61_Unbiased	64.471	58.871	5.600
100	B69_Unbiased	62.536	60.604	1.932
100	B70_Unbiased	64.471	59.235	5.236
100	B71_Unbiased	60.084	60.395	-2.311
100	B72_Unbiased	60.486	59.972	0.514
100	B73_Unbiased	63.682	58.548	5.134
100	B74_Unbiased	63.852	58.825	5.027
100	B77_Unbiased	64.950	60.197	4.753
100	B78_Unbiased	60.019	59.742	0.277
100	B79_Unbiased	62.637	60.050	2.587
100	B80_Unbiased	60.095	60.055	0.040
100	C70_Unbiased	63.908	59.348	4.560
100	C71_Unbiased	66.295	58.957	7.338
100	C72_Unbiased	62.061	59.523	2.538
100	C73_Unbiased	62.828	58.236	4.592
100	C75_Unbiased	61.862	59.187	2.675
100	C76_Unbiased	59.867	59.757	0.110
100	C79_Unbiased	61.279	58.501	2.778
	Max	66.295	81.822	7.338
	Average	61.251	59.735	1.516
	Min	57.288	57.671	-20.903
	Std Dev	2.057	2.527	3.193

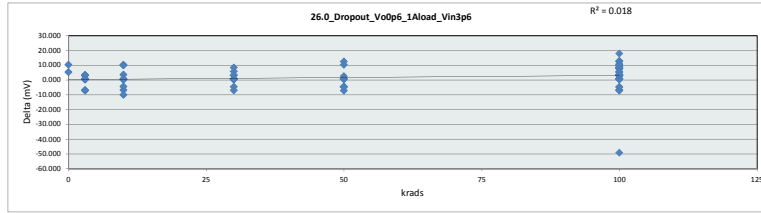


25_5_Dropout_VoOp675_Op5A1o						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	59.110	58.123	58.016	58.677	58.404	57.671
Average	59.342	59.323	59.405	59.743	59.545	59.962
Max	59.573	60.965	60.538	60.746	60.652	81.822
UL	230.000	230.000	230.000	230.000	230.000	230.000

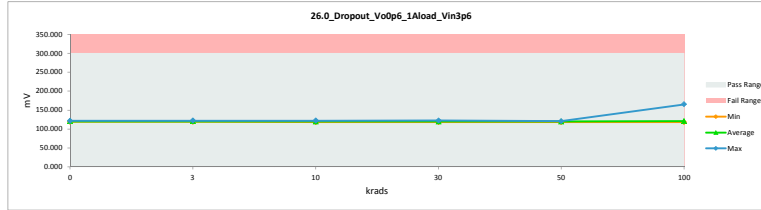


TID 100krad HDR Report
TPS7H3301-SP

26.0_Dropout_VoOp6_1Aload_Vi				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	124.611	119.318	5.293
3	A116_Biased	114.160	121.128	-6.968
3	A117_Biased	115.123	122.212	-7.089
3	B36_Biased	122.584	119.175	3.409
3	B37_Biased	121.696	121.191	0.505
3	C39_Unbiased	122.573	119.544	3.029
3	A118_Unbiased	112.134	119.243	-7.109
3	A140_Unbiased	124.631	121.500	3.131
3	B38_Unbiased	121.090	120.712	0.378
3	B39_Unbiased	119.470	119.139	0.331
3	C40_Unbiased	121.156	120.458	0.698
10	A119_Biased	113.646	120.509	-6.863
10	A120_Biased	112.167	122.184	-10.017
10	B40_Biased	120.349	119.894	0.455
10	C41_Biased	124.255	120.843	3.412
10	C42_Biased	129.544	119.549	9.995
10	A121_Unbiased	115.922	120.376	-4.454
10	A124_Unbiased	118.100	118.101	-0.001
10	B41_Unbiased	120.302	119.532	0.770
10	C43_Unbiased	130.707	120.611	10.096
10	C44_Unbiased	130.491	120.430	10.061
30	A125_Biased	114.115	118.958	-4.743
30	B42_Biased	122.942	122.553	0.389
30	B43_Biased	121.379	118.343	3.036
30	C45_Biased	120.205	119.528	0.677
30	C46_Biased	123.289	120.219	3.070
30	A127_Unbiased	113.959	121.120	-7.161
30	B45_Unbiased	120.794	120.489	0.305
30	B47_Unbiased	119.896	119.665	0.231
30	C47_Biased	125.067	119.382	5.685
30	C50_Unbiased	127.964	119.683	8.281
50	A128_Biased	113.464	118.022	-4.558
50	A129_Biased	112.659	119.892	-7.233
50	B48_Biased	120.265	119.711	0.554
50	B49_Biased	121.227	120.784	0.443
50	C51_Biased	130.290	120.145	10.145
50	A130_Unbiased	116.019	120.762	-4.743
50	A131_Unbiased	114.765	119.658	-4.893
50	B50_Unbiased	121.806	119.280	2.526
50	B51_Unbiased	120.689	119.765	0.924
50	C53_Unbiased	131.770	119.432	12.338
0	106_Corr	131.868	121.600	10.268
100	A132_Biased	114.421	121.114	-6.693
100	A134_Biased	115.979	165.221	-49.242
100	A135_Biased	114.621	119.249	-4.628
100	B52_Biased	120.713	120.117	0.596
100	B54_Biased	120.321	119.975	0.346
100	B55_Biased	122.017	121.038	0.979
100	B56_Biased	120.789	120.199	0.590
100	B57_Biased	120.376	119.879	0.497
100	B59_Biased	123.666	120.691	2.975
100	B62_Biased	121.370	118.382	2.988
100	B63_Biased	129.315	121.487	7.828
100	B64_Biased	132.476	119.613	12.863
100	B66_Biased	131.989	119.487	12.502
100	B68_Biased	126.944	118.942	8.002
100	C54_Biased	132.648	120.164	12.484
100	C55_Biased	122.228	118.956	3.272
100	C56_Biased	123.733	120.391	3.342
100	C57_Biased	122.150	118.858	3.292
100	C58_Biased	125.056	121.708	3.348
100	C59_Biased	123.806	120.470	3.336
100	C65_Biased	122.947	120.017	2.930
100	C67_Biased	123.950	118.422	5.528
100	A122_Unbiased	112.555	119.584	-7.029
100	A138_Unbiased	113.406	120.732	-7.326
100	A139_Unbiased	114.611	119.422	-4.811
100	B60_Unbiased	127.989	118.959	9.030
100	B61_Unbiased	129.691	121.430	8.261
100	B69_Unbiased	127.989	120.192	7.797
100	B70_Unbiased	129.691	119.129	10.562
100	B71_Unbiased	120.908	120.258	0.650
100	B72_Unbiased	120.397	119.829	0.568
100	B73_Unbiased	126.119	120.980	5.139
100	B74_Unbiased	126.312	118.975	7.337
100	B77_Unbiased	129.834	120.219	9.615
100	B78_Unbiased	122.251	119.401	2.850
100	B79_Unbiased	128.032	119.917	8.115
100	B80_Unbiased	122.645	119.793	2.852
100	C70_Unbiased	129.277	119.467	9.810
100	C71_Unbiased	136.611	118.780	17.831
100	C72_Unbiased	127.237	119.085	8.152
100	C73_Unbiased	130.763	120.424	10.339
100	C75_Unbiased	124.524	121.504	3.020
100	C76_Unbiased	122.565	119.062	3.503
100	C79_Unbiased	123.864	118.352	5.512
	Max	136.611	165.221	17.831
	Average	122.534	120.516	2.017
	Min	112.134	118.022	-49.242
	Std Dev	5.785	4.972	8.098

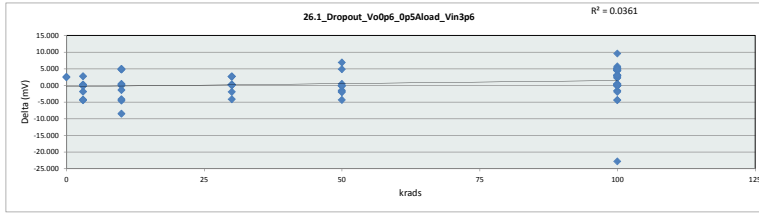


26.0_Dropout_VoOp6_1Aload					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	300	mV			
Min Limit	0	mV			
krads	LL	Min	Average	Max	UL
0	0.000	0.000	0.000	0.000	0.000
3	119.318	119.139	118.101	118.343	118.022
10	120.459	120.430	120.203	119.984	119.745
30	121.600	122.212	122.184	122.553	120.784
50	300.000	300.000	300.000	300.000	300.000
100					

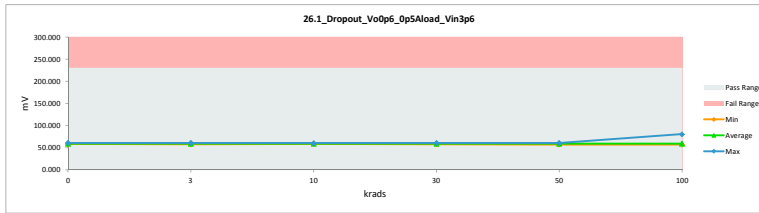


TID 100krad HDR Report
TPS7H3301-SP

26.1_Dropout_VoOp6_Op5Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	0		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	60.709	58.149	2.560
3	A116_Biased	55.848	60.307	-4.459
3	A117_Biased	56.938	58.802	-1.864
3	B36_Biased	58.422	58.476	-0.054
3	B37_Biased	60.570	60.652	-0.082
3	C39_Biased	58.735	58.439	0.296
3	A118_Unbiased	54.354	58.644	-4.290
3	A140_Unbiased	60.709	57.915	2.794
3	B38_Unbiased	59.867	59.787	0.080
3	B39_Unbiased	58.016	57.871	0.145
3	C40_Unbiased	59.579	59.690	-0.111
10	A119_Biased	55.455	60.021	-4.566
10	A120_Biased	54.215	58.404	-4.189
10	B40_Biased	59.302	58.865	0.437
10	C41_Biased	60.251	60.241	0.010
10	C42_Biased	63.281	58.504	4.777
10	A121_Unbiased	57.974	59.388	-1.414
10	A124_Unbiased	50.767	59.219	-8.452
10	B41_Unbiased	58.892	58.656	0.236
10	C43_Unbiased	64.459	59.582	4.877
10	C44_Unbiased	64.245	59.282	4.963
30	A125_Biased	55.995	57.913	-1.918
30	B42_Biased	59.461	59.363	0.098
30	B43_Biased	60.541	57.869	2.672
30	C45_Biased	59.124	58.882	0.242
30	C46_Biased	59.456	59.354	0.102
30	A127_Unbiased	56.176	60.860	-4.684
30	B45_Unbiased	59.736	59.502	0.234
30	B47_Unbiased	58.889	58.724	0.165
30	C47_Unbiased	61.291	58.616	2.675
30	C50_Unbiased	64.630	58.921	5.709
50	A128_Biased	55.631	57.156	-1.525
50	A129_Biased	54.704	59.071	-4.367
50	B48_Biased	59.053	59.245	-0.192
50	B49_Biased	60.226	60.373	-0.147
50	C51_Biased	64.007	59.390	4.617
50	A130_Unbiased	58.152	59.897	-1.745
50	A131_Unbiased	56.650	58.677	-2.027
50	B50_Unbiased	58.497	58.021	0.476
50	B51_Unbiased	59.179	59.227	-0.048
50	C53_Unbiased	65.467	58.613	6.854
0	106_Corr	63.332	60.838	2.494
100	A132_Biased	56.239	57.872	-1.633
100	A134_Biased	57.807	80.587	-22.780
100	A135_Biased	56.616	58.199	-1.583
100	B52_Biased	59.088	59.184	-0.096
100	B54_Biased	59.147	59.168	-0.021
100	B55_Biased	60.797	60.388	0.409
100	B56_Biased	59.669	59.368	0.301
100	B57_Biased	59.470	59.040	0.430
100	B59_Biased	59.905	59.705	0.200
100	B62_Biased	60.483	57.509	2.974
100	B63_Biased	62.852	60.616	2.236
100	B64_Biased	63.551	58.952	4.599
100	B66_Biased	63.188	58.383	4.805
100	B68_Biased	63.181	57.950	5.231
100	C54_Biased	63.806	59.354	4.452
100	C55_Biased	61.115	58.139	2.976
100	C56_Biased	59.695	59.642	0.053
100	C57_Biased	60.846	57.749	3.097
100	C58_Biased	61.065	58.242	2.823
100	C59_Biased	59.789	59.863	-0.074
100	C65_Biased	59.133	59.214	-0.081
100	C67_Biased	60.175	57.245	2.930
100	A122_Unbiased	54.598	59.090	-4.492
100	A138_Unbiased	55.758	60.072	-4.314
100	A139_Unbiased	56.551	58.492	-1.941
100	B60_Unbiased	64.007	58.292	5.715
100	B61_Unbiased	63.027	60.332	2.695
100	B69_Unbiased	64.007	59.431	4.576
100	B70_Unbiased	63.027	57.948	5.079
100	B71_Unbiased	59.373	59.501	-0.128
100	B72_Unbiased	59.211	58.793	0.418
100	B73_Unbiased	62.351	60.108	2.243
100	B74_Unbiased	62.465	57.477	4.988
100	B77_Unbiased	63.535	59.088	4.447
100	B78_Unbiased	61.542	58.418	3.124
100	B79_Unbiased	63.989	58.935	5.054
100	B80_Unbiased	58.984	59.093	-0.109
100	C70_Unbiased	62.571	58.203	4.368
100	C71_Unbiased	67.349	57.793	9.556
100	C72_Unbiased	63.408	58.147	5.261
100	C73_Unbiased	64.224	59.374	4.850
100	C75_Unbiased	60.759	60.575	0.184
100	C76_Unbiased	58.673	58.570	0.103
100	C79_Unbiased	60.091	57.171	2.920
	Max	67.349	80.587	9.556
	Average	59.966	59.211	0.755
	Min	50.767	57.156	-22.780
	Std Dev	2.996	2.492	4.041

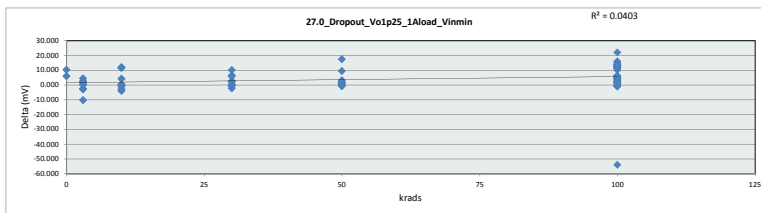


26.1_Dropout_VoOp6_Op5Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	58.149	57.871	58.404	57.869	57.156	57.171
Average	59.494	59.058	59.216	58.950	58.967	59.347
Max	60.838	60.652	60.241	60.356	60.373	80.587
UL	230.000	230.000	230.000	230.000	230.000	230.000

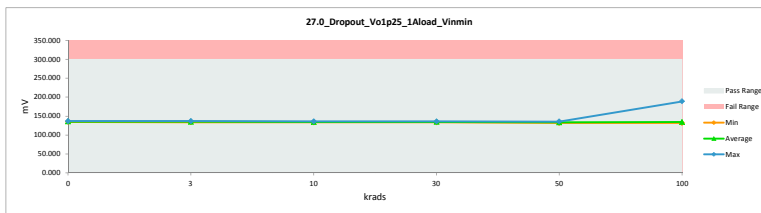


TID 100krad HDR Report
TPS7H3301-SP

27.0_Dropout_Vo1p25_1Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	140.722	134.776	5.946
3	A116_Biased	125.896	136.250	-10.354
3	A117_Biased	134.145	136.896	-2.751
3	B36_Biased	136.887	134.467	2.420
3	B37_Biased	136.362	136.153	0.209
3	C39_Biased	135.186	135.038	0.148
3	A118_Unbiased	131.531	134.472	-2.941
3	A140_Unbiased	140.722	136.424	4.298
3	B38_Unbiased	137.485	135.599	1.886
3	B39_Unbiased	135.113	134.776	0.337
3	C40_Unbiased	136.006	133.839	2.167
10	A119_Biased	132.515	133.578	-1.063
10	A120_Biased	134.399	134.278	-0.879
10	B40_Biased	135.478	135.206	0.272
10	C41_Biased	138.238	134.020	4.218
10	C42_Biased	145.906	134.354	11.552
10	A121_Unbiased	134.973	135.817	-0.844
10	A124_Unbiased	129.616	133.754	-4.138
10	B41_Unbiased	134.858	134.540	0.318
10	C43_Unbiased	147.709	136.274	11.435
10	C44_Unbiased	145.439	133.579	11.860
30	A125_Biased	133.492	134.255	-0.763
30	B42_Biased	138.018	135.649	2.369
30	B43_Biased	136.235	133.990	2.245
30	C45_Biased	134.968	135.111	-0.143
30	C46_Biased	140.061	133.741	6.320
30	A127_Unbiased	133.598	136.023	-2.425
30	B45_Unbiased	136.160	135.872	0.288
30	B47_Unbiased	136.612	134.481	2.131
30	C47_Unbiased	140.815	135.067	5.748
30	C50_Unbiased	143.302	133.367	9.935
50	A128_Biased	132.663	131.517	1.146
50	A129_Biased	131.870	132.542	-0.672
50	B48_Biased	135.619	135.296	0.323
50	B49_Biased	136.077	134.020	2.057
50	C51_Biased	144.907	135.498	9.409
50	A130_Unbiased	135.510	134.010	1.500
50	A131_Unbiased	133.662	134.474	-0.812
50	B50_Unbiased	134.704	134.605	0.099
50	B51_Unbiased	135.528	132.376	3.152
50	C53_Unbiased	150.155	132.860	17.295
0	106_Corr	146.835	136.638	10.197
100	A132_Biased	133.621	134.199	-0.578
100	A134_Biased	134.964	188.869	-53.905
100	A135_Biased	133.622	132.345	1.277
100	B52_Biased	135.663	133.721	1.942
100	B54_Biased	135.401	133.206	2.195
100	B55_Biased	136.429	133.922	2.507
100	B56_Biased	135.538	132.975	2.563
100	B57_Biased	137.101	132.804	4.297
100	B59_Biased	138.290	133.954	4.336
100	B62_Biased	136.152	131.747	4.405
100	B63_Biased	145.854	134.229	11.625
100	B64_Biased	148.242	135.029	13.213
100	B66_Biased	148.145	132.305	15.840
100	B68_Biased	144.482	132.167	12.315
100	C54_Biased	149.053	133.696	15.357
100	C55_Biased	136.813	133.269	3.544
100	C56_Biased	139.440	133.365	6.075
100	C57_Biased	136.772	132.406	4.366
100	C58_Biased	138.877	134.910	3.967
100	C59_Biased	139.328	133.669	5.659
100	C65_Biased	137.536	133.283	4.253
100	C67_Biased	140.064	133.997	6.067
100	A122_Unbiased	131.706	132.668	-0.962
100	A138_Unbiased	132.464	133.531	-1.067
100	A139_Unbiased	133.659	132.643	1.016
100	B60_Unbiased	145.203	134.039	11.164
100	B61_Unbiased	146.448	133.923	12.525
100	B69_Unbiased	145.203	133.377	11.826
100	B70_Unbiased	146.448	132.233	14.215
100	B71_Unbiased	135.562	133.610	1.952
100	B72_Unbiased	135.269	135.198	0.071
100	B73_Unbiased	144.304	134.306	9.998
100	B74_Unbiased	144.168	132.029	12.139
100	B77_Unbiased	146.829	133.083	13.746
100	B78_Unbiased	137.354	133.049	4.305
100	B79_Unbiased	145.128	133.255	11.873
100	B80_Unbiased	137.342	132.993	4.349
100	C70_Unbiased	146.558	132.883	13.675
100	C71_Unbiased	153.871	132.040	21.831
100	C72_Unbiased	144.912	132.831	12.081
100	C73_Unbiased	145.582	131.818	13.764
100	C75_Unbiased	138.376	134.245	4.131
100	C76_Unbiased	136.358	134.474	1.884
100	C79_Unbiased	137.652	133.713	3.939
	Max	153.871	188.869	21.831
	Average	138.707	134.587	4.119
	Min	125.896	131.517	-53.905
	Std Dev	5.507	6.056	8.609

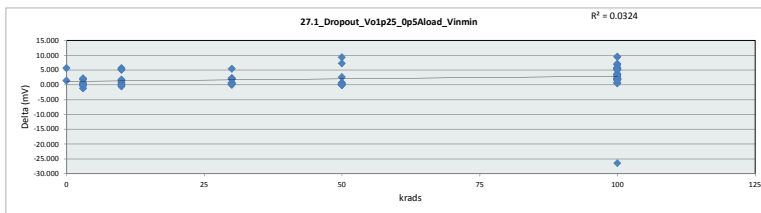


27.0_Dropout_Vo1p25_1Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	134.776	133.839	133.578	133.367	131.517	131.713
Average	135.707	135.391	134.540	134.756	133.720	134.523
Max	136.638	136.896	136.274	136.023	135.498	188.869
UL	300.000	300.000	300.000	300.000	300.000	300.000

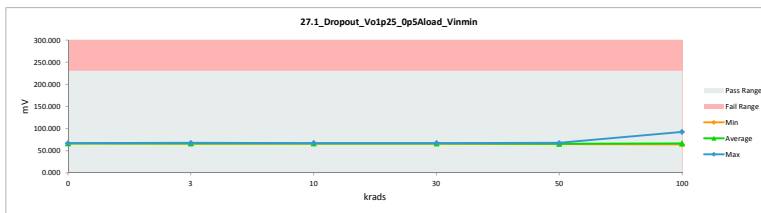


TID 100krad HDR Report
TPS7H3301-SP

27_1_Dropout_VoIp25_Op5Aloac				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	68.206	66.756	1.450
3	A116_Biased	66.839	66.256	0.583
3	A117_Biased	67.465	66.855	0.610
3	B36_Biased	66.653	66.690	-0.037
3	B37_Biased	66.173	66.162	0.011
3	C39_Biased	66.859	66.915	-0.056
3	A118_Unbiased	65.189	66.346	-1.157
3	A140_Unbiased	68.206	66.487	1.719
3	B38_Unbiased	67.195	67.526	-0.331
3	B39_Unbiased	66.918	66.762	0.156
3	C40_Unbiased	68.134	65.949	2.185
10	A119_Biased	66.400	65.665	0.735
10	A120_Biased	67.432	66.059	1.373
10	B40_Biased	67.337	67.143	0.194
10	C41_Biased	67.886	66.123	1.763
10	C42_Biased	71.946	66.278	5.668
10	A121_Unbiased	66.087	65.883	0.204
10	A124_Unbiased	65.488	65.965	-0.477
10	B41_Unbiased	66.374	66.535	-0.161
10	C43_Unbiased	71.376	66.131	5.245
10	C44_Unbiased	70.919	65.806	5.113
30	A125_Biased	66.514	66.357	0.157
30	B42_Biased	67.663	67.419	0.244
30	B43_Biased	66.112	65.929	0.183
30	C45_Biased	66.708	66.698	0.010
30	C46_Biased	67.832	65.952	1.880
30	A127_Unbiased	67.037	66.953	0.084
30	B45_Unbiased	68.138	65.885	2.253
30	B47_Unbiased	66.430	66.191	0.239
30	C47_Unbiased	68.936	66.943	1.993
30	C50_Unbiased	71.045	65.533	5.512
50	A128_Biased	65.989	65.701	0.288
50	A129_Biased	65.532	64.792	0.740
50	B48_Biased	67.526	67.568	-0.042
50	B49_Biased	66.121	65.880	0.241
50	C51_Biased	72.534	65.235	7.299
50	A130_Unbiased	66.635	66.335	0.300
50	A131_Unbiased	67.256	66.863	0.393
50	B50_Unbiased	66.673	66.711	-0.038
50	B51_Unbiased	67.489	64.814	2.675
50	C53_Unbiased	74.165	64.893	9.272
0	106_Corr	72.181	66.536	5.645
100	A132_Biased	67.292	66.471	0.821
100	A134_Biased	65.866	92.307	-26.441
100	A135_Biased	67.339	64.500	2.839
100	B52_Biased	67.849	65.933	1.916
100	B54_Biased	67.264	65.413	1.851
100	B55_Biased	66.533	66.079	0.454
100	B56_Biased	66.213	65.062	1.151
100	B57_Biased	64.729	64.784	1.945
100	B59_Biased	68.398	66.056	2.342
100	B62_Biased	67.721	63.957	3.764
100	B63_Biased	71.678	66.221	5.457
100	B64_Biased	72.017	66.624	5.393
100	B66_Biased	74.008	64.575	9.433
100	B68_Biased	70.012	64.387	5.625
100	C54_Biased	72.629	65.854	6.775
100	C55_Biased	66.675	64.489	2.186
100	C56_Biased	69.155	65.703	3.452
100	C57_Biased	68.502	66.475	2.027
100	C58_Biased	68.878	66.890	1.988
100	C59_Biased	67.490	65.587	1.903
100	C65_Biased	67.198	65.456	1.742
100	C67_Biased	67.719	65.808	1.911
100	A122_Unbiased	67.811	64.802	3.009
100	A138_Unbiased	66.194	65.516	0.678
100	A139_Unbiased	67.482	64.789	2.693
100	B60_Unbiased	70.741	65.851	4.890
100	B61_Unbiased	72.038	66.175	5.863
100	B69_Unbiased	70.741	65.420	5.321
100	B70_Unbiased	72.038	66.307	5.731
100	B71_Unbiased	67.469	65.540	1.929
100	B72_Unbiased	67.099	65.152	1.947
100	B73_Unbiased	69.890	66.398	3.492
100	B74_Unbiased	69.809	66.398	3.411
100	B77_Unbiased	72.492	65.363	7.129
100	B78_Unbiased	67.072	64.977	2.095
100	B79_Unbiased	70.836	65.184	5.652
100	B80_Unbiased	67.036	65.041	1.995
100	C70_Unbiased	72.080	65.218	6.862
100	C71_Unbiased	75.728	65.179	9.549
100	C72_Unbiased	70.552	64.767	5.785
100	C73_Unbiased	71.232	65.953	5.279
100	C75_Unbiased	68.421	66.218	2.203
100	C76_Unbiased	68.205	66.231	1.974
100	C79_Unbiased	67.475	65.926	1.549
	Max	75.728	92.307	9.549
	Average	68.471	66.220	2.251
	Min	65.189	63.957	-26.441
	Std Dev	2.314	2.944	4.005



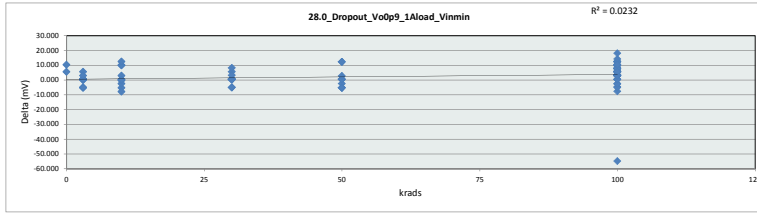
27_1_Dropout_VoIp25_Op5Aloac						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	66.536	65.949	65.665	65.633	64.792	63.957
Average	66.646	66.595	66.159	66.326	65.879	66.183
Max	66.756	67.526	67.143	67.419	67.568	92.307
UL	230.000	230.000	230.000	230.000	230.000	230.000



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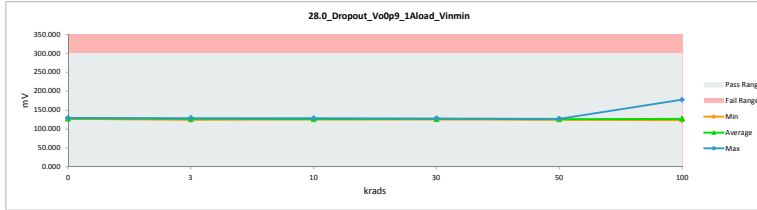
28.0_Dropout_VoOp9_1Aload_Vi			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	300	300	
Min Limit	0	0	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	132.007	126.584	5.423
3	A116_Biased	120.793	125.850	-5.057
3	A117_Biased	121.934	127.061	-5.127
3	B36_Biased	127.072	126.685	0.387
3	B37_Biased	129.255	128.852	0.403
3	C39_Biased	127.069	126.862	0.207
3	A118_Unbiased	119.052	124.369	-5.317
3	A140_Unbiased	132.007	126.440	5.567
3	B38_Unbiased	128.208	128.258	-0.050
3	B39_Unbiased	126.647	126.209	0.438
3	C40_Unbiased	128.149	125.366	2.783
10	A119_Biased	120.255	125.525	-5.270
10	A120_Biased	118.916	126.874	-7.958
10	B40_Biased	127.645	127.342	0.303
10	C41_Biased	128.793	125.821	2.972
10	C42_Biased	136.941	127.009	9.932
10	A121_Unbiased	122.607	125.241	-2.634
10	A124_Unbiased	124.693	125.130	-0.437
10	B41_Unbiased	127.386	127.224	0.162
10	C43_Unbiased	137.828	128.127	9.701
10	C44_Unbiased	137.480	125.077	12.403
30	A125_Biased	123.086	126.081	-5.045
30	B42_Biased	127.952	127.458	0.494
30	B43_Biased	126.331	125.932	0.399
30	C45_Biased	127.614	127.308	0.306
30	C46_Biased	130.746	125.219	5.527
30	A127_Unbiased	120.972	126.161	-5.189
30	B45_Unbiased	128.374	127.870	0.504
30	B47_Unbiased	127.272	127.210	0.062
30	C47_Biased	129.746	126.698	3.048
30	C50_Unbiased	122.310	127.315	-7.955
50	A128_Biased	120.307	125.578	-5.271
50	A129_Biased	119.305	124.661	-5.356
50	B48_Biased	127.799	127.261	0.538
50	B49_Biased	126.249	125.694	0.555
50	C51_Biased	137.470	125.390	12.080
50	A130_Unbiased	123.124	125.728	-2.604
50	A131_Unbiased	121.538	126.908	-5.370
50	B50_Unbiased	126.970	126.675	0.295
50	B51_Unbiased	127.509	124.801	2.708
50	C53_Biased	138.948	126.808	12.140
0	106_Corr	139.212	129.083	10.129
100	A132_Biased	121.491	126.191	-4.700
100	A134_Biased	122.492	177.354	-54.862
100	A135_Biased	121.510	124.116	-2.606
100	B52_Biased	127.629	125.033	2.596
100	B54_Biased	127.926	124.808	3.118
100	B55_Biased	129.582	125.980	3.602
100	B56_Biased	128.226	124.996	3.230
100	B57_Biased	128.022	127.631	0.391
100	B59_Biased	128.443	128.265	0.178
100	B62_Biased	129.028	123.194	5.834
100	B63_Biased	136.068	126.241	9.827
100	B64_Biased	139.818	127.189	12.629
100	B66_Biased	139.122	126.928	12.194
100	B68_Biased	134.073	123.552	10.521
100	C54_Biased	139.926	127.559	12.367
100	C55_Biased	129.549	124.163	5.386
100	C56_Biased	130.916	125.314	5.602
100	C57_Biased	129.413	126.294	3.119
100	C58_Biased	129.835	126.689	3.146
100	C59_Biased	131.032	125.353	5.679
100	C65_Biased	130.233	124.729	5.504
100	C67_Biased	131.039	125.654	5.385
100	A122_Unbiased	119.429	127.249	-7.820
100	A138_Unbiased	120.487	125.523	-5.036
100	A139_Unbiased	121.520	124.208	-2.688
100	B60_Unbiased	134.950	126.450	8.500
100	B61_Unbiased	136.316	126.057	10.259
100	B69_Unbiased	134.950	127.554	7.396
100	B70_Unbiased	136.316	126.459	9.857
100	B71_Unbiased	127.820	125.022	2.798
100	B72_Unbiased	127.421	127.225	0.196
100	B73_Unbiased	133.644	128.487	5.157
100	B74_Unbiased	133.475	125.872	7.603
100	B77_Unbiased	136.802	124.685	12.117
100	B78_Unbiased	130.046	126.777	3.269
100	B79_Unbiased	134.919	127.350	7.569
100	B80_Unbiased	130.326	127.166	3.160
100	C70_Unbiased	138.413	124.285	14.128
100	C71_Unbiased	143.941	126.042	17.899
100	C72_Unbiased	134.397	126.788	7.609
100	C73_Unbiased	135.418	125.267	10.151
100	C75_Unbiased	129.287	126.333	2.954
100	C76_Unbiased	129.723	126.776	2.947
100	C79_Unbiased	131.083	125.601	5.482
	Max	143.941	177.354	17.899
	Average	129.355	126.816	2.539
	Min	118.916	123.194	-54.862
	Std Dev	5.887	5.643	8.486



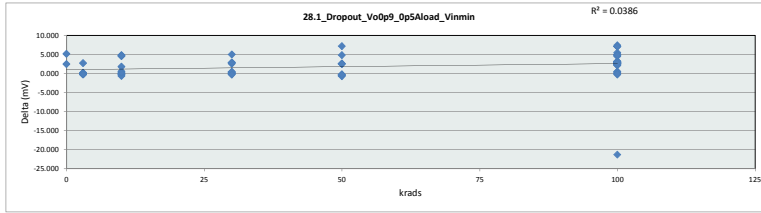
28.0_Dropout_VoOp9_1Aload			
Test Site	Dallas, Tx		
Testor	ETS		
Test Number	EF636800		
Max Limit	300	mV	
Min Limit	0	mV	

krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	126.584	124.369	125.077	125.219	124.661	123.194
Average	127.834	126.595	126.337	126.725	125.950	127.146
Max	129.083	128.852	128.127	127.870	127.261	177.354
UL	300.000	300.000	300.000	300.000	300.000	300.000

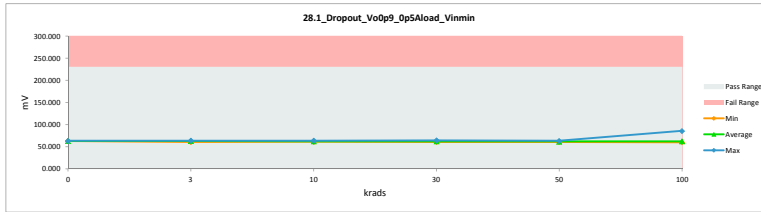


TID 100krad HDR Report
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28.1_Dropout_VoOp9_Op5Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	65.673	63.207	2.466
3	A116_Biased	62.589	62.643	-0.054
3	A117_Biased	63.284	63.409	-0.125
3	B36_Biased	63.250	63.361	-0.111
3	B37_Biased	62.706	62.537	0.169
3	C39_Biased	63.318	63.537	-0.219
3	A118_Unbiased	60.574	60.659	-0.085
3	A140_Unbiased	65.675	62.915	2.758
3	B38_Unbiased	61.884	62.116	-0.232
3	B39_Unbiased	62.696	62.662	0.034
3	C40_Unbiased	61.751	61.982	-0.231
10	A119_Biased	61.839	62.144	-0.305
10	A120_Biased	63.612	63.056	0.556
10	B40_Biased	61.105	61.151	-0.046
10	C41_Biased	62.347	62.457	-0.110
10	C42_Biased	68.062	63.466	4.596
10	A121_Unbiased	60.963	61.587	-0.624
10	A124_Unbiased	63.235	61.426	1.809
10	B41_Unbiased	61.167	60.922	0.245
10	C43_Unbiased	66.760	61.941	4.819
10	C44_Unbiased	66.303	61.642	4.661
30	A125_Biased	62.621	62.761	-0.140
30	B42_Biased	64.111	63.975	0.136
30	B43_Biased	62.438	62.113	0.325
30	C45_Biased	63.595	60.997	2.598
30	C46_Biased	64.560	61.626	2.934
30	A127_Unbiased	62.561	62.560	0.001
30	B45_Unbiased	61.887	61.439	0.448
30	B47_Unbiased	63.719	60.889	2.830
30	C47_Unbiased	63.016	63.312	-0.296
30	C50_Unbiased	66.476	61.504	4.972
50	A128_Biased	61.738	61.912	-0.174
50	A129_Biased	60.888	61.381	-0.493
50	B48_Biased	63.791	61.186	2.605
50	B49_Biased	62.171	62.674	-0.503
50	C51_Biased	64.515	61.882	4.833
50	A130_Unbiased	61.435	62.130	-0.695
50	A131_Unbiased	63.123	60.648	2.475
50	B50_Unbiased	62.907	63.188	-0.281
50	B51_Unbiased	63.778	61.254	2.524
50	C53_Biased	67.891	60.725	7.166
0	106_Corr	67.949	62.760	5.189
100	A132_Biased	62.862	62.751	0.111
100	A134_Biased	64.293	85.646	-21.353
100	A135_Biased	62.935	60.456	2.479
100	B52_Biased	63.678	61.497	2.181
100	B54_Biased	63.967	60.995	2.972
100	B55_Biased	62.976	62.437	0.539
100	B56_Biased	61.775	61.317	0.458
100	B57_Biased	64.187	61.072	3.115
100	B59_Biased	64.616	61.834	2.782
100	B62_Biased	62.181	59.818	2.363
100	B63_Biased	67.704	62.581	5.123
100	B64_Biased	68.342	61.202	7.140
100	B66_Biased	67.888	60.423	7.465
100	B68_Biased	65.656	60.123	5.533
100	C54_Biased	68.695	61.589	7.106
100	C55_Biased	63.175	60.395	2.780
100	C56_Biased	64.592	61.946	2.646
100	C57_Biased	62.909	62.680	0.229
100	C58_Biased	63.193	63.451	-0.258
100	C59_Biased	64.757	61.973	2.784
100	C65_Biased	63.804	61.116	2.688
100	C67_Biased	64.905	62.220	2.685
100	A122_Unbiased	63.738	61.091	2.647
100	A138_Unbiased	62.071	62.040	0.031
100	A139_Unbiased	62.935	60.660	2.275
100	B60_Unbiased	64.151	62.910	3.241
100	B61_Unbiased	65.465	62.342	3.123
100	B69_Unbiased	66.151	61.358	4.793
100	B70_Unbiased	65.465	62.729	2.736
100	B71_Unbiased	61.481	61.151	0.330
100	B72_Unbiased	63.735	61.080	2.655
100	B73_Unbiased	67.147	62.282	4.865
100	B74_Unbiased	64.446	62.271	2.175
100	B77_Unbiased	65.857	61.365	4.492
100	B78_Unbiased	63.608	60.455	3.153
100	B79_Unbiased	66.283	61.262	5.021
100	B80_Unbiased	63.475	61.016	2.459
100	C70_Unbiased	67.634	60.560	7.074
100	C71_Unbiased	69.938	62.799	7.139
100	C72_Unbiased	65.923	63.121	2.802
100	C73_Unbiased	66.703	61.913	4.790
100	C75_Unbiased	65.613	62.731	2.882
100	C76_Unbiased	63.863	60.746	2.917
100	C79_Unbiased	64.917	62.164	2.653
	Max	69.938	85.646	7.465
	Average	64.155	62.158	1.997
	Min	60.574	59.818	-21.353
	Std Dev	2.096	2.725	3.391



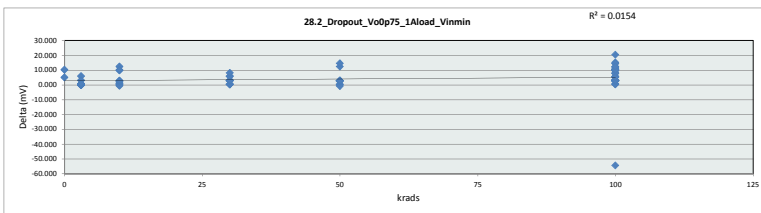
28.1_Dropout_VoOp9_Op5Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	62.760	60.659	60.922	60.889	60.648	59.818
Average	62.984	62.582	61.979	62.118	61.678	62.183
Max	63.207	63.537	63.466	63.975	63.188	85.646
UL	230.000	230.000	230.000	230.000	230.000	230.000



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28.2_Dropout_VoOp75_1Aload			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	300	300	
Min Limit	0	0	

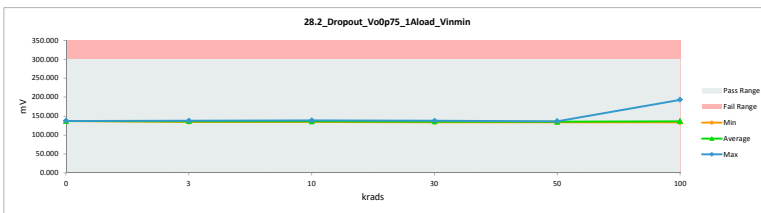
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	142.346	137.216	5.130
3	A116_Biased	136.634	136.500	0.134
3	A117_Biased	137.397	137.453	-0.056
3	B36_Biased	137.382	137.432	-0.050
3	B37_Biased	136.666	136.405	0.261
3	C39_Biased	137.541	137.182	0.359
3	A118_Unbiased	134.920	134.736	0.184
3	A140_Unbiased	142.346	136.516	5.830
3	B38_Unbiased	138.884	135.864	3.020
3	B39_Unbiased	136.906	136.508	0.398
3	C40_Unbiased	136.267	135.571	0.696
10	A119_Biased	135.911	135.851	0.060
10	A120_Biased	137.988	137.327	0.661
10	B40_Biased	135.719	135.067	0.652
10	C41_Biased	138.975	136.265	2.710
10	C42_Biased	147.204	134.794	12.410
10	A121_Unbiased	135.220	135.755	-0.535
10	A124_Unbiased	137.400	135.342	2.058
10	B41_Unbiased	137.815	134.987	2.828
10	C43_Unbiased	148.063	138.333	9.730
10	C44_Unbiased	145.549	135.578	9.971
30	A125_Biased	136.788	133.974	2.814
30	B42_Biased	138.208	137.881	0.327
30	B43_Biased	136.583	136.282	0.301
30	C45_Biased	138.013	134.992	3.021
30	C46_Biased	141.271	135.637	5.634
30	A127_Unbiased	136.944	136.524	0.420
30	B45_Unbiased	138.449	135.726	2.723
30	B47_Unbiased	137.630	134.825	2.805
30	C47_Unbiased	140.313	134.349	5.964
30	C50_Unbiased	143.014	135.062	7.952
50	A128_Biased	136.124	133.398	2.726
50	A129_Biased	135.227	135.205	0.022
50	B48_Biased	138.186	135.223	2.963
50	B49_Biased	136.652	136.085	0.567
50	C51_Biased	147.881	135.801	12.280
50	A130_Unbiased	135.554	136.350	-0.796
50	A131_Unbiased	137.298	134.806	2.492
50	B50_Unbiased	137.320	134.522	2.798
50	B51_Unbiased	138.057	135.258	2.799
50	C53_Unbiased	149.100	134.526	14.574
0	106_Corr	147.181	136.868	10.313
100	A132_Biased	137.261	133.966	3.295
100	A134_Biased	138.451	132.882	-5.431
100	A135_Biased	137.018	134.299	2.719
100	B52_Biased	138.008	135.232	2.776
100	B54_Biased	138.176	135.402	2.774
100	B55_Biased	136.991	136.314	0.677
100	B56_Biased	135.910	135.377	0.533
100	B57_Biased	138.206	135.063	3.143
100	B59_Biased	138.984	136.004	2.980
100	B62_Biased	136.548	133.641	2.907
100	B63_Biased	146.704	137.066	9.638
100	B64_Biased	150.283	135.067	15.216
100	B66_Biased	149.166	134.862	14.304
100	B68_Biased	144.401	134.124	10.277
100	C54_Biased	149.973	135.519	14.454
100	C55_Biased	137.448	134.177	3.271
100	C56_Biased	141.251	133.426	7.825
100	C57_Biased	139.630	134.281	5.349
100	C58_Biased	140.130	134.545	5.585
100	C59_Biased	138.969	135.931	3.038
100	C65_Biased	137.956	135.206	2.750
100	C67_Biased	141.671	135.908	5.763
100	A122_Unbiased	138.146	135.031	3.115
100	A138_Unbiased	136.084	135.892	0.192
100	A139_Unbiased	137.303	134.621	2.682
100	B60_Unbiased	145.249	134.479	10.770
100	B61_Unbiased	144.303	136.345	7.958
100	B69_Unbiased	145.249	135.386	9.863
100	B70_Unbiased	144.303	134.185	10.118
100	B71_Unbiased	138.540	135.532	3.008
100	B72_Unbiased	138.058	135.009	3.049
100	B73_Unbiased	143.872	136.320	7.552
100	B74_Unbiased	144.022	133.922	10.100
100	B77_Unbiased	147.399	135.217	12.182
100	B78_Unbiased	137.702	134.697	3.005
100	B79_Unbiased	145.427	135.341	10.086
100	B80_Unbiased	137.755	135.201	2.554
100	C70_Unbiased	146.497	134.643	11.854
100	C71_Unbiased	154.380	133.960	20.420
100	C72_Unbiased	144.706	134.456	10.250
100	C73_Unbiased	145.810	133.432	12.378
100	C75_Unbiased	139.786	136.726	3.060
100	C76_Unbiased	137.552	134.474	3.078
100	C79_Unbiased	139.023	133.738	5.285
Max		154.380	132.882	20.420
Average		140.317	136.054	4.262
Min		134.920	133.398	-5.431
Std Dev		4.420	6.291	7.896



28.2_Dropout_VoOp75_1Aload

Test Site	Dallas, Tx
Testor	ETS
Test Number	EF636800
Max Limit	300 mV
Min Limit	0 mV

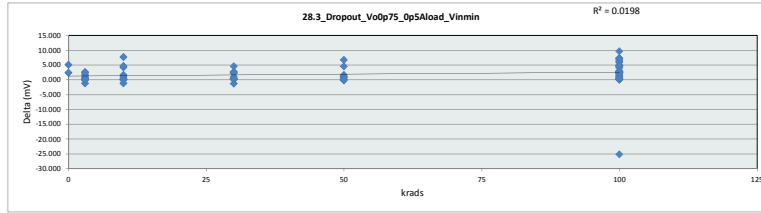
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	136.868	134.736	134.794	133.974	133.398	133.426
Average	137.042	136.417	135.930	135.525	135.097	136.293
Max	137.216	137.453	138.333	137.881	136.350	192.882
UL	300.000	300.000	300.000	300.000	300.000	300.000



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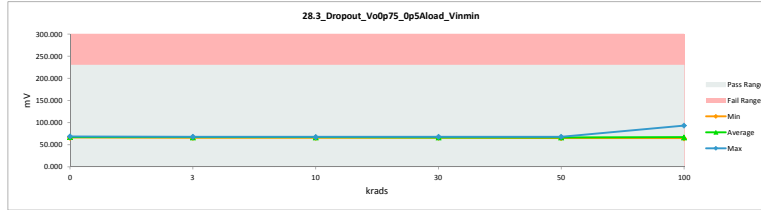
28.3_Dropout_VoOp75_Op5Aloac		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	mV	mV
Max Limit	230	230
Min Limit	0	0

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	68.439	66.024	2.415
3	A116_Biased	66.335	67.532	-1.197
3	A117_Biased	67.210	66.337	0.873
3	B36_Biased	66.130	66.015	0.115
3	B37_Biased	68.002	67.997	0.005
3	C39_Biased	68.596	66.215	2.381
3	A118_Unbiased	67.842	66.157	1.685
3	A140_Unbiased	68.439	67.988	0.451
3	B38_Unbiased	67.348	67.286	0.062
3	B39_Unbiased	68.198	65.616	2.582
3	C40_Unbiased	67.396	67.274	0.122
10	A119_Biased	66.006	67.219	-1.213
10	A120_Biased	67.627	65.982	1.645
10	B40_Biased	66.901	66.613	0.288
10	C41_Biased	67.490	67.458	0.032
10	C42_Biased	73.577	65.875	7.702
10	A121_Unbiased	68.035	67.957	0.078
10	A124_Unbiased	67.208	66.875	0.333
10	B41_Unbiased	66.327	66.348	-0.021
10	C43_Unbiased	71.687	67.452	4.235
10	C44_Unbiased	71.593	66.887	4.706
30	A125_Biased	66.484	65.454	1.030
30	B42_Biased	66.949	66.741	0.208
30	B43_Biased	67.824	67.649	0.175
30	C45_Biased	66.574	66.239	0.335
30	C46_Biased	69.620	66.842	2.778
30	A127_Unbiased	66.482	67.729	-1.247
30	B45_Unbiased	67.369	66.966	0.403
30	B47_Unbiased	68.524	66.193	2.331
30	C47_Unbiased	68.604	66.272	2.332
30	C50_Unbiased	71.379	68.829	4.550
50	A128_Biased	65.837	64.954	0.903
50	A129_Biased	68.097	66.448	1.649
50	B48_Biased	66.986	66.693	0.293
50	B49_Biased	67.771	67.608	0.163
50	C51_Biased	71.432	66.907	4.525
50	A130_Unbiased	68.658	67.545	1.113
50	A131_Unbiased	67.005	66.153	0.852
50	B50_Unbiased	65.958	66.107	-0.149
50	B51_Unbiased	66.633	66.630	0.003
50	C53_Unbiased	72.851	66.129	6.722
0	106_Corr	73.425	68.342	5.083
100	A132_Biased	66.511	65.504	1.007
100	A134_Biased	68.118	93.262	-25.144
100	A135_Biased	67.006	65.947	1.059
100	B52_Biased	66.590	66.426	0.164
100	B54_Biased	66.702	66.647	0.055
100	B55_Biased	68.163	65.131	3.032
100	B56_Biased	67.084	66.685	0.399
100	B57_Biased	66.762	66.466	0.296
100	B59_Biased	67.678	67.374	0.304
100	B62_Biased	67.781	65.119	2.662
100	B63_Biased	72.918	65.647	7.271
100	B64_Biased	73.551	66.316	7.335
100	B66_Biased	72.864	65.769	7.095
100	B68_Biased	70.485	65.620	4.865
100	C54_Biased	73.759	67.119	6.640
100	C55_Biased	68.565	65.952	2.613
100	C56_Biased	69.852	66.883	2.969
100	C57_Biased	68.311	65.587	2.724
100	C58_Biased	68.659	66.030	2.629
100	C59_Biased	69.742	67.188	2.554
100	C65_Biased	69.075	66.629	2.446
100	C67_Biased	69.907	65.057	4.850
100	A122_Unbiased	67.960	66.398	1.562
100	A138_Unbiased	68.951	67.198	1.753
100	A139_Unbiased	66.829	66.104	0.725
100	B60_Unbiased	71.406	65.512	5.894
100	B61_Unbiased	70.337	67.763	2.574
100	B69_Unbiased	71.406	66.857	4.549
100	B70_Unbiased	70.337	65.762	4.575
100	B71_Unbiased	67.097	66.921	0.166
100	B72_Unbiased	66.529	66.202	0.327
100	B73_Unbiased	69.956	67.910	2.046
100	B74_Unbiased	70.010	65.116	4.894
100	B77_Unbiased	70.844	66.812	4.032
100	B78_Unbiased	68.818	65.946	2.872
100	B79_Unbiased	71.351	66.586	4.765
100	B80_Unbiased	68.919	66.633	2.286
100	C70_Unbiased	72.539	66.237	6.302
100	C71_Unbiased	75.048	65.353	9.695
100	C72_Unbiased	70.632	65.819	4.813
100	C73_Unbiased	71.812	64.640	7.172
100	C75_Unbiased	68.372	67.851	0.521
100	C76_Unbiased	68.555	65.785	2.770
100	C79_Unbiased	67.907	64.370	3.537
	Max	75.048	93.262	9.695
	Average	68.835	66.783	2.052
	Min	65.837	64.640	-25.144
	Std Dev	2.213	3.001	3.815



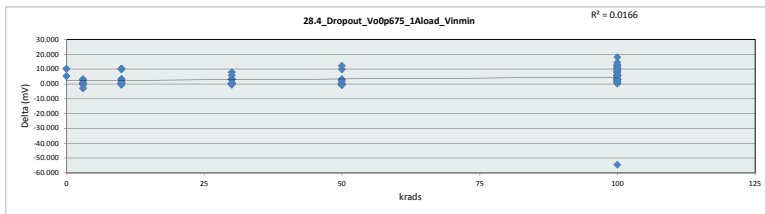
28.3_Dropout_VoOp75_Op5Aloac					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	230	mV			
Min Limit	0	mV			

krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	66.024	65.616	65.875	65.454	64.934	64.640
Average	67.183	66.842	66.777	66.691	66.515	66.835
Max	68.342	67.997	67.458	67.729	67.608	93.262
UL	230.000	230.000	230.000	230.000	230.000	230.000

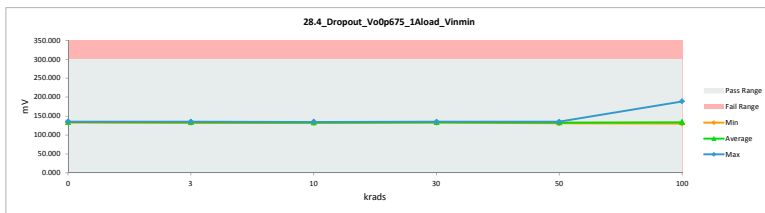


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28.4_Dropout_VoOp675_1Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	138.382	133.140	5.242
3	A116_Biased	131.991	134.928	-2.937
3	A117_Biased	133.089	133.642	-0.553
3	B36_Biased	133.676	133.204	0.472
3	B37_Biased	135.368	135.039	0.329
3	C39_Biased	136.412	133.501	2.911
3	A118_Unbiased	133.750	133.378	0.372
3	A140_Unbiased	138.380	135.389	2.992
3	B38_Unbiased	134.957	134.748	0.209
3	B39_Unbiased	133.477	132.768	0.709
3	C40_Unbiased	134.925	132.226	2.699
10	A119_Biased	134.781	132.008	2.773
10	A120_Unbiased	133.637	133.205	0.432
10	B40_Biased	134.395	134.011	0.384
10	C41_Biased	135.450	132.149	3.301
10	C42_Biased	133.396	133.321	10.075
10	A121_Unbiased	133.936	134.632	-0.696
10	A124_Unbiased	133.139	131.799	1.340
10	B41_Unbiased	134.095	133.663	0.432
10	C43_Unbiased	144.535	134.486	10.049
10	C44_Unbiased	142.038	131.787	10.251
30	A125_Biased	132.877	132.842	-0.545
30	B42_Biased	137.092	133.910	3.182
30	B43_Biased	135.473	132.326	3.147
30	C45_Biased	134.103	133.666	0.437
30	C46_Biased	137.200	134.279	2.921
30	A127_Unbiased	135.489	135.209	0.280
30	B45_Unbiased	134.969	134.482	0.487
30	B47_Unbiased	133.974	133.705	0.269
30	C47_Biased	138.921	133.187	5.734
30	C50_Unbiased	141.799	133.975	7.824
50	A128_Biased	131.746	132.456	-0.710
50	A129_Biased	134.061	131.240	2.821
50	B48_Biased	134.231	133.973	0.258
50	B49_Biased	135.292	135.003	0.289
50	C51_Biased	144.099	134.307	9.792
50	A130_Unbiased	134.349	132.401	1.948
50	A131_Unbiased	133.124	133.536	-0.412
50	B50_Unbiased	133.453	133.109	0.344
50	B51_Unbiased	134.350	131.206	3.144
50	C53_Biased	145.609	133.389	12.220
0	106_Corr	145.864	135.566	10.298
100	A132_Biased	135.758	132.718	3.040
100	A134_Biased	134.135	188.715	-54.580
100	A135_Biased	132.762	130.841	1.921
100	B52_Biased	134.532	131.636	2.896
100	B54_Biased	134.248	131.509	2.739
100	B55_Biased	135.713	132.582	3.131
100	B56_Biased	134.630	131.528	3.102
100	B57_Biased	134.497	133.752	0.745
100	B59_Biased	135.398	134.666	0.732
100	B62_Biased	135.381	129.968	5.413
100	B63_Biased	143.193	133.013	10.180
100	B64_Biased	146.349	133.413	12.936
100	B66_Biased	145.433	133.138	12.295
100	B68_Biased	141.063	130.234	10.829
100	C54_Biased	146.476	134.394	12.082
100	C55_Biased	136.237	130.813	5.424
100	C56_Biased	137.662	131.663	5.999
100	C57_Biased	135.853	132.925	2.928
100	C58_Biased	136.244	133.307	2.937
100	C59_Biased	137.592	131.951	5.641
100	C65_Biased	136.970	131.670	5.370
100	C67_Biased	137.708	132.095	5.613
100	A122_Unbiased	133.994	133.680	0.314
100	A138_Unbiased	134.923	132.120	2.803
100	A139_Unbiased	132.640	131.066	1.574
100	B60_Unbiased	142.046	133.024	9.022
100	B61_Unbiased	140.954	132.508	8.446
100	B69_Unbiased	142.046	134.266	7.780
100	B70_Unbiased	140.954	132.881	8.073
100	B71_Unbiased	134.659	131.839	2.820
100	B72_Unbiased	133.961	133.705	0.256
100	B73_Unbiased	140.229	135.006	5.223
100	B74_Unbiased	140.406	132.746	7.660
100	B77_Unbiased	143.804	131.672	12.132
100	B78_Unbiased	136.626	133.056	3.570
100	B79_Unbiased	141.759	131.452	10.307
100	B80_Unbiased	136.487	133.747	2.740
100	C70_Unbiased	145.417	130.831	14.586
100	C71_Unbiased	150.562	132.628	17.934
100	C72_Unbiased	141.215	133.053	8.162
100	C73_Unbiased	142.113	132.129	9.984
100	C75_Unbiased	138.583	132.764	5.819
100	C76_Unbiased	136.601	133.174	3.427
100	C79_Unbiased	137.707	132.274	5.433
	Max	150.562	188.715	17.934
	Average	137.405	133.638	3.767
	Min	131.746	129.968	-54.580
	Std Dev	4.219	6.135	7.684

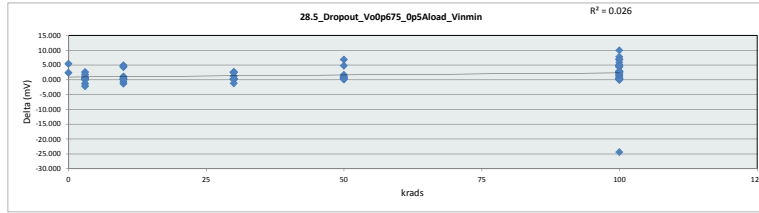


28.4_Dropout_VoOp675_1Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	133.140	132.226	131.787	132.326	131.206	129.968
Average	134.353	133.882	133.106	133.757	133.062	133.775
Max	135.566	135.389	134.632	135.209	135.003	188.715
UL	300.000	300.000	300.000	300.000	300.000	300.000

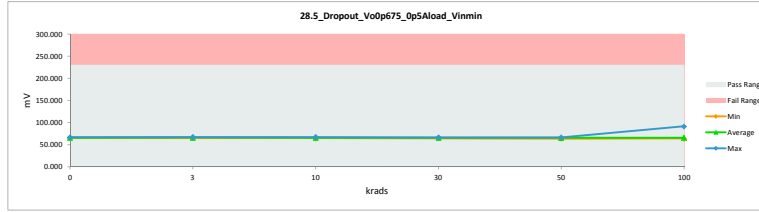


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28.5_Dropout_VoOp675_Op5Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	67.164	64.728	2.436
3	A116_Biased	65.257	66.507	-1.250
3	A117_Biased	66.126	65.242	0.884
3	B36_Biased	65.194	67.375	-2.181
3	B37_Biased	66.716	66.578	0.138
3	C39_Biased	67.461	64.853	2.608
3	A118_Unbiased	66.561	64.797	1.764
3	A140_Unbiased	67.164	66.748	0.416
3	B38_Unbiased	66.140	66.112	0.028
3	B39_Unbiased	67.198	66.791	0.407
3	C40_Unbiased	66.160	65.913	0.247
10	A119_Biased	64.822	66.080	-1.258
10	A100_Biased	66.443	67.053	-0.610
10	B40_Biased	65.631	65.248	0.383
10	C41_Biased	66.454	66.279	0.175
10	C42_Biased	69.541	64.609	4.932
10	A121_Unbiased	67.137	65.997	1.146
10	A124_Unbiased	66.170	65.598	0.572
10	B41_Unbiased	65.212	64.978	0.234
10	C43_Unbiased	70.411	66.031	4.380
10	C44_Unbiased	70.299	65.864	4.425
30	A125_Biased	65.578	64.137	1.241
30	B42_Biased	65.660	65.559	0.101
30	B43_Biased	66.706	66.500	0.206
30	C45_Biased	65.101	64.914	0.187
30	C46_Biased	68.501	65.929	2.572
30	A127_Unbiased	65.298	66.460	-1.162
30	B45_Unbiased	66.316	66.084	0.232
30	B47_Unbiased	65.160	64.782	0.378
30	C47_Unbiased	67.548	64.891	2.657
30	C50_Unbiased	66.981	65.442	1.539
50	A128_Biased	64.720	63.611	1.119
50	A129_Biased	66.993	65.312	1.681
50	B48_Biased	65.698	65.234	0.464
50	B49_Biased	66.693	66.240	0.453
50	C51_Biased	70.311	65.534	4.777
50	A130_Unbiased	67.394	66.421	0.973
50	A131_Unbiased	65.885	65.139	0.746
50	B50_Unbiased	64.965	64.748	0.217
50	B51_Unbiased	65.405	65.290	0.115
50	C53_Unbiased	71.828	64.987	6.841
0	106_Corr	72.160	66.695	5.465
100	A132_Biased	65.519	64.135	1.384
100	A134_Biased	67.020	91.394	-24.374
100	A135_Biased	65.802	64.691	1.111
100	B52_Biased	68.250	65.374	2.876
100	B54_Biased	65.589	65.593	-0.004
100	B55_Biased	66.889	66.535	0.354
100	B56_Biased	65.793	65.318	0.475
100	B57_Biased	65.497	65.051	0.446
100	B59_Biased	66.472	66.140	0.332
100	B62_Biased	66.779	63.873	2.906
100	B63_Biased	71.621	66.793	4.828
100	B64_Biased	72.722	64.939	7.783
100	B66_Biased	71.876	64.888	6.988
100	B68_Biased	69.432	64.310	5.122
100	C54_Biased	72.628	65.879	6.749
100	C55_Biased	67.486	64.719	2.767
100	C56_Biased	68.482	65.790	2.692
100	C57_Biased	67.080	64.506	2.574
100	C58_Biased	67.606	64.896	2.710
100	C59_Biased	68.261	65.673	2.588
100	C65_Biased	68.577	65.512	2.865
100	C67_Biased	66.520	66.117	0.403
100	A122_Unbiased	66.863	65.213	1.650
100	A138_Unbiased	67.915	66.093	1.822
100	A139_Unbiased	65.683	64.896	0.787
100	B60_Unbiased	70.079	64.259	5.820
100	B61_Unbiased	69.307	66.530	2.777
100	B69_Unbiased	70.079	65.624	4.455
100	B70_Unbiased	69.307	64.454	4.853
100	B71_Unbiased	65.921	65.789	0.132
100	B72_Unbiased	65.633	65.289	0.344
100	B73_Unbiased	68.527	66.491	2.036
100	B74_Unbiased	68.826	66.373	2.453
100	B77_Unbiased	69.844	65.524	4.320
100	B78_Unbiased	67.688	64.751	2.937
100	B79_Unbiased	70.344	65.410	4.934
100	B80_Unbiased	67.824	65.168	2.656
100	C70_Unbiased	71.568	64.524	7.044
100	C71_Unbiased	74.117	64.168	9.949
100	C72_Unbiased	69.394	64.652	4.742
100	C73_Unbiased	70.477	66.013	4.464
100	C75_Unbiased	66.982	66.553	0.429
100	C76_Unbiased	67.490	64.641	2.849
100	C79_Unbiased	66.169	66.134	0.035
	Max	74.117	91.394	9.949
	Average	67.612	65.790	1.821
	Min	64.730	63.611	-24.374
	Std Dev	2.158	2.908	3.688

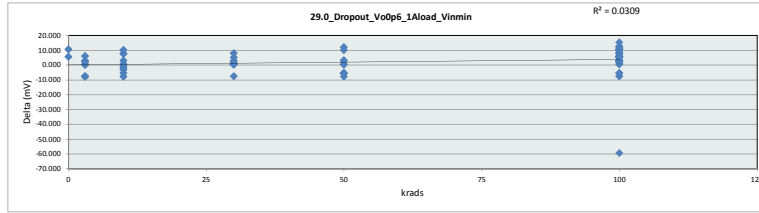


28.5_Dropout_VoOp675_Op5Aload						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	230					
Min Limit	0					
Unit	mV					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	64.728	64.797	64.609	64.137	63.611	63.873
Average	65.712	66.092	65.773	65.470	65.252	65.924
Max	66.895	67.375	67.053	66.500	66.421	91.394
UL	230.000	230.000	230.000	230.000	230.000	230.000

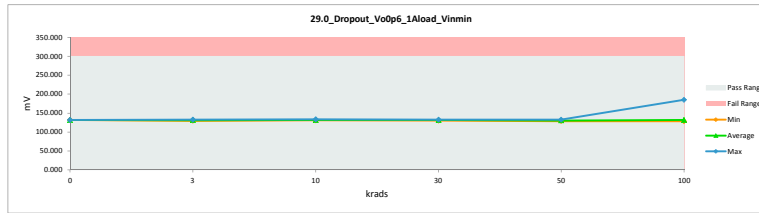


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29.0_Dropout_VoOp6_1Aload_Vi				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	137.576	132.016	5.560
3	A116_Biased	123.521	131.406	-7.885
3	A117_Biased	124.817	132.497	-7.680
3	B36_Biased	132.450	132.074	0.376
3	B37_Biased	131.781	131.467	0.314
3	C39_Unbiased	132.495	131.995	0.500
3	A118_Unbiased	121.886	129.540	-7.654
3	A140_Unbiased	137.576	131.477	6.099
3	B38_Unbiased	133.827	130.925	2.902
3	B39_Unbiased	132.357	131.959	0.398
3	C40_Unbiased	133.475	130.992	2.483
10	A119_Biased	123.212	130.883	-7.671
10	A120_Biased	131.401	131.973	-0.572
10	B40_Biased	131.000	132.792	-1.792
10	C41_Biased	134.037	131.031	3.006
10	C42_Biased	139.782	132.286	7.496
10	A121_Unbiased	125.606	130.972	-5.366
10	A124_Unbiased	127.784	130.892	-3.108
10	B41_Unbiased	132.905	132.289	0.616
10	C43_Unbiased	141.201	133.472	7.729
10	C44_Unbiased	140.908	130.770	10.138
30	A125_Biased	123.943	131.579	-7.576
30	B42_Biased	133.361	132.855	0.506
30	B43_Biased	131.888	131.247	0.641
30	C45_Biased	132.972	132.500	0.472
30	C46_Biased	136.033	130.936	5.097
30	A127_Unbiased	133.395	131.352	2.043
30	B45_Unbiased	131.387	130.651	0.736
30	B47_Unbiased	132.666	132.289	0.377
30	C47_Biased	135.096	132.179	2.917
30	C50_Unbiased	138.216	130.296	7.920
50	A128_Biased	123.377	128.692	-5.315
50	A129_Biased	122.318	130.161	-7.843
50	B48_Biased	133.081	132.846	0.235
50	B49_Biased	131.749	131.204	0.545
50	C51_Biased	140.572	130.306	10.266
50	A130_Unbiased	125.939	131.277	-5.338
50	A131_Unbiased	124.600	130.137	-5.537
50	B50_Unbiased	132.283	129.482	2.801
50	B51_Unbiased	133.208	129.990	3.218
50	C53_Biased	142.007	129.840	12.167
0	106_Corr	142.290	131.601	10.689
100	A132_Biased	124.122	131.705	-7.583
100	A134_Biased	125.421	184.899	-59.478
100	A135_Biased	124.307	129.671	-5.364
100	B52_Biased	133.332	130.398	2.934
100	B54_Biased	130.739	130.356	0.383
100	B55_Biased	132.110	131.444	0.666
100	B56_Biased	133.463	130.272	3.191
100	B57_Biased	133.272	130.028	3.244
100	B59_Biased	134.105	131.226	2.879
100	B62_Biased	134.040	128.771	5.269
100	B63_Biased	139.709	131.769	7.940
100	B64_Biased	142.493	132.658	9.835
100	B66_Biased	142.294	129.834	12.460
100	B68_Biased	139.874	129.204	10.670
100	C54_Biased	143.045	130.678	12.367
100	C55_Biased	132.428	129.625	2.803
100	C56_Biased	136.335	130.554	5.781
100	C57_Biased	134.791	129.400	5.391
100	C58_Biased	135.198	132.160	3.038
100	C59_Biased	136.371	130.739	5.632
100	C65_Biased	135.892	130.302	5.590
100	C67_Biased	136.667	130.830	5.837
100	A122_Unbiased	131.817	130.004	1.813
100	A138_Unbiased	123.274	130.892	-7.618
100	A139_Unbiased	124.349	129.754	-5.405
100	B60_Unbiased	140.769	129.295	11.474
100	B61_Unbiased	139.754	131.503	8.251
100	B69_Unbiased	140.769	130.618	10.151
100	B70_Unbiased	139.754	129.309	10.445
100	B71_Unbiased	133.226	130.851	2.377
100	B72_Unbiased	132.941	130.168	2.773
100	B73_Unbiased	139.025	131.396	7.629
100	B74_Unbiased	139.461	128.804	10.657
100	B77_Unbiased	140.480	130.614	9.866
100	B78_Unbiased	135.173	129.743	5.430
100	B79_Unbiased	140.911	130.397	10.514
100	B80_Unbiased	135.391	130.274	5.117
100	C70_Unbiased	142.002	129.470	12.532
100	C71_Unbiased	146.613	131.367	15.246
100	C72_Unbiased	140.080	131.887	8.193
100	C73_Unbiased	141.224	128.598	12.626
100	C75_Unbiased	137.466	131.625	5.841
100	C76_Unbiased	135.444	129.366	6.078
100	C79_Unbiased	136.707	130.889	5.818
	Max	146.613	184.899	15.246
	Average	134.030	131.493	2.537
	Min	121.886	128.598	-59.478
	Std Dev	5.874	5.927	8.980



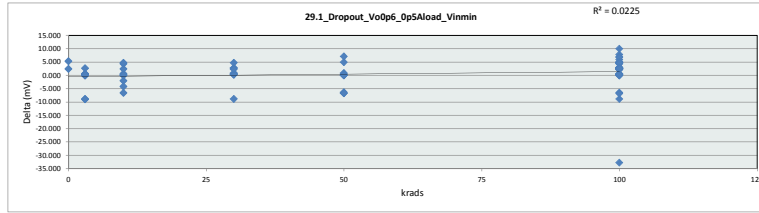
29.0_Dropout_VoOp6_1Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	131.601	129.540	130.770	130.296	128.692	128.598
Average	131.809	131.433	131.736	131.582	130.394	131.667
Max	132.016	132.497	133.472	132.855	132.846	184.899
UL	300.000	300.000	300.000	300.000	300.000	300.000



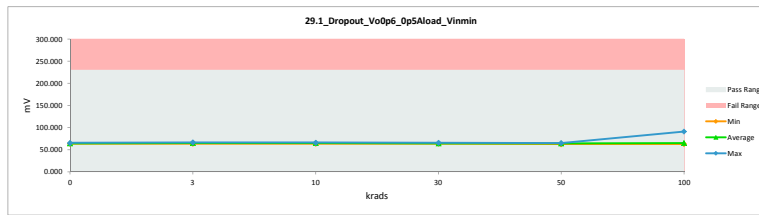
TID 100krad HDR Report
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29_1_Dropout_VoOp6_Op5Aload			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	230	230	
Min Limit	0	0	

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	65.959	63.555	2.404
3	A116_Biased	56.276	65.204	-8.928
3	A117_Biased	57.447	66.293	-8.846
3	B36_Biased	66.061	66.140	-0.079
3	B37_Biased	65.556	65.487	0.069
3	C39_Biased	66.264	63.582	2.682
3	A118_Unbiased	64.086	63.434	0.652
3	A140_Unbiased	65.959	65.709	0.250
3	B38_Unbiased	64.892	64.602	0.290
3	B39_Unbiased	65.961	65.593	0.368
3	C40_Unbiased	64.991	64.724	0.267
10	A119_Biased	65.351	64.716	0.635
10	A120_Biased	64.959	66.002	-1.043
10	B40_Biased	64.380	64.207	0.173
10	C41_Biased	65.098	65.006	0.092
10	C42_Biased	68.400	65.902	2.498
10	A121_Unbiased	58.245	64.756	-6.511
10	A124_Unbiased	60.257	64.460	-4.203
10	B41_Unbiased	63.845	63.710	0.135
10	C43_Unbiased	69.340	64.945	4.395
10	C44_Unbiased	69.225	64.511	4.714
30	A125_Biased	56.578	65.421	-8.843
30	B42_Biased	64.650	64.111	0.539
30	B43_Biased	65.547	65.038	0.509
30	C45_Biased	66.450	63.648	2.802
30	C46_Biased	67.157	64.500	2.657
30	A127_Unbiased	65.935	65.091	0.844
30	B45_Unbiased	65.182	64.895	0.287
30	B47_Unbiased	64.004	63.714	0.290
30	C47_Unbiased	65.932	63.656	2.276
30	C50_Unbiased	69.133	64.429	4.704
50	A128_Biased	55.781	62.431	-6.650
50	A129_Biased	64.630	63.778	0.852
50	B48_Biased	64.364	64.268	0.096
50	B49_Biased	65.475	64.939	0.536
50	C51_Biased	69.215	64.278	4.937
50	A130_Unbiased	58.768	65.132	-6.364
50	A131_Unbiased	57.183	63.830	-6.647
50	B50_Unbiased	63.631	63.564	0.067
50	B51_Unbiased	64.210	64.107	0.103
50	C53_Unbiased	70.763	63.687	7.076
0	106_Corr	70.685	65.390	5.295
100	A132_Biased	56.762	65.609	-8.847
100	A134_Biased	58.129	90.846	-32.717
100	A135_Biased	57.110	63.523	-6.413
100	B52_Biased	66.939	64.198	2.741
100	B54_Biased	64.460	64.375	0.085
100	B55_Biased	65.731	65.126	0.605
100	B56_Biased	64.688	64.129	0.559
100	B57_Biased	64.325	64.144	0.181
100	B59_Biased	65.323	64.851	0.472
100	B62_Biased	65.153	62.732	2.421
100	B63_Biased	67.789	65.559	2.230
100	B64_Biased	71.535	63.628	7.907
100	B66_Biased	70.804	63.788	7.016
100	B68_Biased	68.104	62.988	5.116
100	C54_Biased	68.974	64.545	4.429
100	C55_Biased	66.133	63.369	2.764
100	C56_Biased	67.005	64.456	2.549
100	C57_Biased	65.851	63.125	2.726
100	C58_Biased	66.249	65.890	0.359
100	C59_Biased	67.425	64.530	2.895
100	C65_Biased	66.894	64.337	2.557
100	C67_Biased	67.777	64.684	3.093
100	A122_Unbiased	64.347	63.913	0.434
100	A138_Unbiased	65.248	64.850	0.398
100	A139_Unbiased	56.978	63.724	-6.746
100	B60_Unbiased	69.014	63.083	5.931
100	B61_Unbiased	68.104	65.467	2.637
100	B69_Unbiased	69.014	64.233	4.781
100	B70_Unbiased	68.104	63.100	5.004
100	B71_Unbiased	64.622	64.718	-0.096
100	B72_Unbiased	66.708	64.126	2.582
100	B73_Unbiased	67.501	65.127	2.374
100	B74_Unbiased	67.594	65.419	2.175
100	B77_Unbiased	68.616	64.182	4.434
100	B78_Unbiased	66.459	63.591	2.868
100	B79_Unbiased	69.103	64.361	4.742
100	B80_Unbiased	66.724	64.004	2.720
100	C70_Unbiased	70.194	63.431	6.763
100	C71_Unbiased	62.879	62.898	9.981
100	C72_Unbiased	68.324	63.469	4.855
100	C73_Unbiased	69.351	64.671	4.680
100	C75_Unbiased	65.825	65.419	0.406
100	C76_Unbiased	66.156	63.488	2.668
100	C79_Unbiased	67.476	64.846	2.630
	Max	72.879	90.846	9.981
	Average	65.447	64.709	0.738
	Min	55.781	62.431	-32.717
	Std Dev	3.793	2.976	5.336

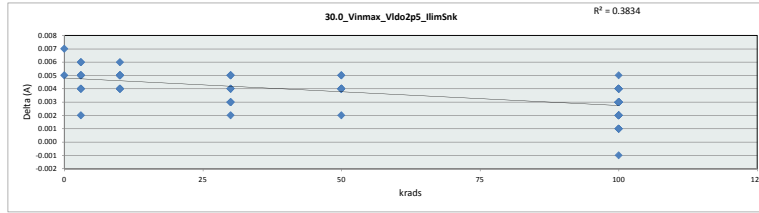


29_1_Dropout_VoOp6_Op5Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	230 mV					
Min Limit	0 mV					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	63.555	63.434	63.710	63.648	62.431	62.732
Average	64.473	65.077	64.822	64.450	64.001	64.831
Max	65.390	66.293	66.002	65.421	65.132	90.846
UL	230.000	230.000	230.000	230.000	230.000	230.000

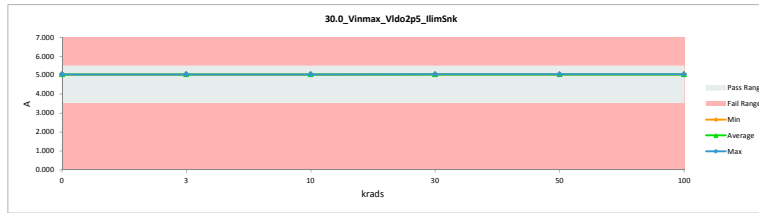


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30.0_Vinmax_Vido2p5_IIImSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.049	5.042	0.007
3	A116_Biased	5.048	5.043	0.005
3	A117_Biased	5.047	5.043	0.004
3	B36_Biased	5.047	5.043	0.004
3	B37_Biased	5.048	5.042	0.006
3	C39_Biased	5.047	5.043	0.004
3	A118_Unbiased	5.048	5.043	0.005
3	A140_Unbiased	5.049	5.043	0.006
3	B38_Unbiased	5.047	5.042	0.005
3	B39_Unbiased	5.048	5.043	0.005
3	C40_Unbiased	5.046	5.044	0.002
10	A119_Biased	5.047	5.042	0.005
10	A120_Biased	5.048	5.042	0.006
10	B40_Biased	5.045	5.041	0.004
10	C41_Biased	5.047	5.043	0.004
10	C42_Biased	5.047	5.042	0.005
10	A121_Unbiased	5.049	5.044	0.005
10	A124_Unbiased	5.046	5.042	0.004
10	B41_Unbiased	5.048	5.043	0.005
10	C43_Unbiased	5.048	5.044	0.004
10	C44_Unbiased	5.046	5.041	0.005
30	A125_Biased	5.048	5.045	0.003
30	B42_Biased	5.047	5.044	0.003
30	B43_Biased	5.048	5.044	0.004
30	C45_Biased	5.048	5.043	0.005
30	C46_Biased	5.047	5.043	0.004
30	A127_Unbiased	5.048	5.043	0.005
30	B45_Unbiased	5.046	5.044	0.002
30	B47_Unbiased	5.047	5.044	0.003
30	C47_Unbiased	5.048	5.044	0.004
30	C50_Unbiased	5.047	5.042	0.005
50	A128_Biased	5.048	5.044	0.004
50	A129_Biased	5.048	5.044	0.004
50	B48_Biased	5.047	5.043	0.004
50	B49_Biased	5.047	5.043	0.004
50	C51_Biased	5.048	5.044	0.004
50	A130_Unbiased	5.048	5.044	0.004
50	A131_Unbiased	5.049	5.044	0.005
50	B50_Unbiased	5.048	5.044	0.004
50	B51_Unbiased	5.047	5.045	0.002
50	C53_Unbiased	5.046	5.041	0.005
0	106_Corr	5.048	5.043	0.005
100	A132_Biased	5.048	5.045	0.003
100	A134_Biased	5.046	5.042	0.004
100	A135_Biased	5.046	5.043	0.003
100	B52_Biased	5.046	5.044	0.002
100	B54_Biased	5.048	5.045	0.003
100	B55_Biased	5.048	5.046	0.002
100	B56_Biased	5.046	5.044	0.002
100	B57_Biased	5.045	5.044	0.001
100	B59_Biased	5.047	5.043	0.004
100	B62_Biased	5.047	5.043	0.004
100	B63_Biased	5.047	5.045	0.002
100	B64_Biased	5.048	5.044	0.004
100	B66_Biased	5.047	5.044	0.003
100	B68_Biased	5.048	5.045	0.003
100	C54_Biased	5.048	5.046	0.002
100	C55_Biased	5.047	5.043	0.003
100	C56_Biased	5.048	5.045	0.003
100	C57_Biased	5.047	5.046	0.001
100	C58_Biased	5.047	5.045	0.002
100	C59_Biased	5.049	5.046	0.003
100	C65_Biased	5.047	5.044	0.003
100	C67_Biased	5.048	5.045	0.003
100	A122_Unbiased	5.048	5.045	0.003
100	A138_Unbiased	5.046	5.043	0.003
100	A139_Unbiased	5.049	5.045	0.004
100	B60_Unbiased	5.048	5.044	0.004
100	B61_Unbiased	5.048	5.045	0.003
100	B69_Unbiased	5.048	5.045	0.003
100	B70_Unbiased	5.048	5.047	0.001
100	B71_Unbiased	5.046	5.042	0.004
100	B72_Unbiased	5.047	5.044	0.003
100	B73_Unbiased	5.048	5.046	0.002
100	B74_Unbiased	5.047	5.046	0.001
100	B77_Unbiased	5.047	5.046	0.001
100	B78_Unbiased	5.047	5.044	0.003
100	B79_Unbiased	5.048	5.049	-0.001
100	B80_Unbiased	5.047	5.042	0.005
100	C70_Unbiased	5.048	5.046	0.002
100	C71_Unbiased	5.048	5.044	0.004
100	C72_Unbiased	5.047	5.044	0.003
100	C73_Unbiased	5.047	5.046	0.001
100	C75_Unbiased	5.046	5.042	0.004
100	C76_Unbiased	5.048	5.044	0.004
100	C79_Unbiased	5.048	5.044	0.004
	Max	5.049	5.049	0.007
	Average	5.047	5.044	0.004
	Min	5.045	5.041	-0.001
	Std Dev	0.001	0.001	0.001

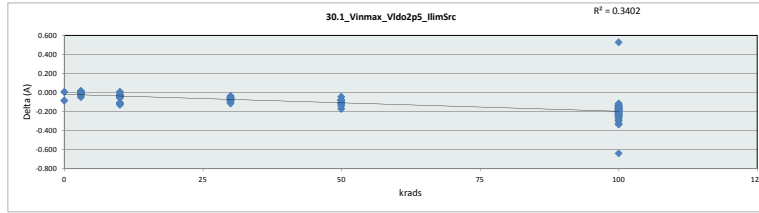


30.0_Vinmax_Vido2p5_IIImSnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	5.5	A				
Min Limit	3.5	A				
krads	0	3	10	30	50	100
LL	3.500	3.500	3.500	3.500	3.500	3.500
Min	5.042	5.042	5.041	5.042	5.041	5.042
Average	5.043	5.043	5.042	5.044	5.044	5.045
Max	5.043	5.044	5.044	5.045	5.045	5.049
UL	5.500	5.500	5.500	5.500	5.500	5.500

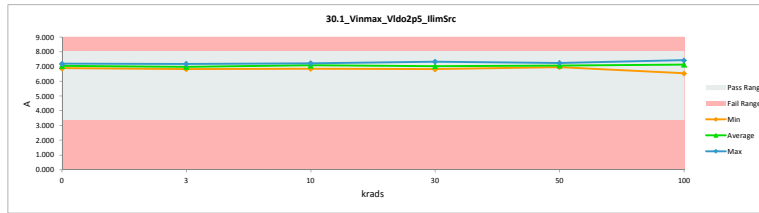


TID 100krad HDR Report
TPS7H3301-SP

30.1_Vinmax_Vido2p5_IIImSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	8	8		
Min Limit	3.35	3.35		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	6.898	6.891	0.007
3	A116_Biased	6.927	6.922	0.005
3	A117_Biased	6.981	6.987	-0.006
3	B36_Biased	6.911	6.917	-0.006
3	B37_Biased	6.851	6.836	0.015
3	C39_Biased	7.173	7.176	-0.003
3	A118_Unbiased	6.875	6.879	-0.004
3	A140_Unbiased	6.899	6.923	-0.025
3	B38_Unbiased	6.947	6.941	0.006
3	B39_Unbiased	7.123	7.170	-0.047
3	C40_Unbiased	7.095	7.115	-0.020
10	A119_Biased	7.192	7.229	-0.037
10	A120_Biased	7.118	7.136	-0.018
10	B40_Biased	7.142	7.179	-0.037
10	C41_Biased	6.930	6.962	-0.032
10	C42_Biased	6.884	6.991	-0.107
10	A121_Unbiased	6.811	6.850	-0.039
10	A124_Unbiased	7.125	7.120	0.005
10	B41_Unbiased	7.133	7.189	-0.056
10	C43_Unbiased	7.012	7.139	-0.127
10	C44_Unbiased	6.972	7.083	-0.111
30	A125_Biased	7.149	7.235	-0.086
30	B42_Biased	6.906	6.961	-0.055
30	B43_Biased	6.787	6.823	-0.036
30	C45_Biased	7.276	7.342	-0.066
30	C46_Biased	7.011	7.105	-0.094
30	A127_Unbiased	6.823	6.882	-0.059
30	B45_Unbiased	6.855	6.909	-0.054
30	B47_Unbiased	6.867	6.949	-0.082
30	C47_Unbiased	6.969	7.030	-0.061
30	C50_Unbiased	6.943	7.057	-0.114
50	A128_Biased	6.990	7.075	-0.085
50	A129_Biased	6.934	7.048	-0.114
50	B48_Biased	6.899	6.975	-0.076
50	B49_Biased	7.057	7.101	-0.044
50	C51_Biased	6.905	7.026	-0.121
50	A130_Unbiased	6.991	7.072	-0.081
50	A131_Unbiased	6.889	6.966	-0.077
50	B50_Unbiased	7.075	7.179	-0.104
50	B51_Unbiased	7.109	7.250	-0.141
50	C53_Unbiased	6.873	7.044	-0.171
0	106_Corr	7.109	7.193	-0.084
100	A132_Biased	6.863	7.020	-0.157
100	A134_Biased	7.069	6.542	0.527
100	A135_Biased	7.018	7.153	-0.135
100	B52_Biased	7.103	7.263	-0.160
100	B54_Biased	6.821	6.963	-0.142
100	B55_Biased	6.551	6.699	-0.148
100	B56_Biased	6.990	7.105	-0.115
100	B57_Biased	7.128	7.273	-0.145
100	B59_Biased	6.977	7.114	-0.137
100	B62_Biased	7.223	7.432	-0.209
100	B63_Biased	7.097	7.259	-0.162
100	B64_Biased	6.966	7.182	-0.216
100	B66_Biased	6.964	7.219	-0.255
100	B68_Biased	6.963	7.158	-0.195
100	C54_Biased	6.934	7.161	-0.227
100	C55_Biased	6.925	7.101	-0.176
100	C56_Biased	7.050	7.274	-0.224
100	C57_Biased	6.890	7.083	-0.193
100	C58_Biased	7.077	7.277	-0.200
100	C59_Biased	6.892	7.116	-0.224
100	C65_Biased	7.089	7.261	-0.172
100	C67_Biased	6.881	7.007	-0.126
100	A122_Unbiased	6.784	6.969	-0.185
100	A138_Unbiased	7.054	7.230	-0.176
100	A139_Unbiased	6.945	7.118	-0.173
100	B60_Unbiased	6.725	7.345	-0.640
100	B61_Unbiased	6.953	7.280	-0.327
100	B69_Unbiased	6.725	6.971	-0.246
100	B70_Unbiased	6.953	7.179	-0.226
100	B71_Unbiased	7.051	7.243	-0.192
100	B72_Unbiased	7.129	7.325	-0.196
100	B73_Unbiased	6.338	6.587	-0.249
100	B74_Unbiased	6.778	6.982	-0.204
100	B77_Unbiased	6.972	7.240	-0.268
100	B78_Unbiased	7.037	7.220	-0.183
100	B79_Unbiased	7.034	7.273	-0.239
100	B80_Unbiased	7.117	7.269	-0.152
100	C70_Unbiased	6.830	7.131	-0.301
100	C71_Unbiased	6.771	7.107	-0.336
100	C72_Unbiased	6.987	7.256	-0.269
100	C73_Unbiased	6.813	7.101	-0.288
100	C75_Unbiased	6.890	7.093	-0.203
100	C76_Unbiased	6.883	7.108	-0.225
100	C79_Unbiased	7.002	7.234	-0.232
	Max	7.276	7.432	0.527
	Average	6.961	7.091	-0.130
	Min	6.338	6.542	-0.640
	Std Dev	0.144	0.163	0.126

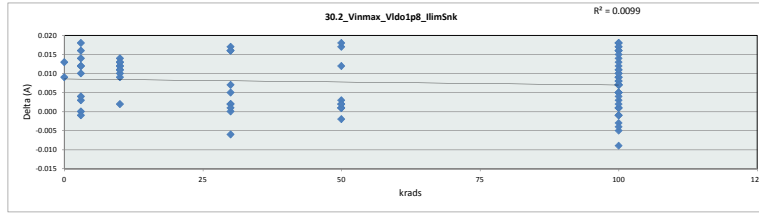


30.1_Vinmax_Vido2p5_IIImSrc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
krads	0	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	6.891	6.836	6.850	6.823	6.966	6.542
Average	7.042	6.987	7.088	7.029	7.074	7.135
Max	7.193	7.176	7.229	7.342	7.250	7.432
UL	8.000	8.000	8.000	8.000	8.000	8.000

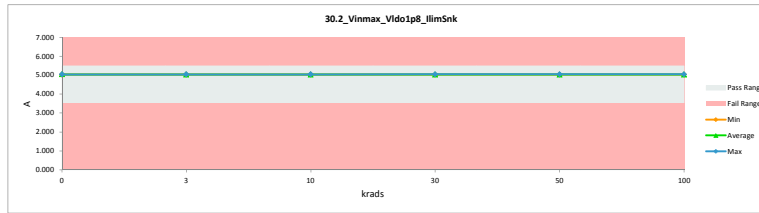


TID 100krad HDR Report
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30.2_Vinmax_Vldo1p8_IlimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.052	5.039	0.013
3	A116_Biased	5.051	5.039	0.012
3	A117_Biased	5.046	5.043	0.003
3	B36_Biased	5.048	5.038	0.010
3	B37_Biased	5.042	5.042	0.000
3	C39_Biased	5.047	5.033	0.014
3	A118_Unbiased	5.040	5.041	-0.001
3	A140_Unbiased	5.052	5.040	0.012
3	B38_Unbiased	5.047	5.029	0.018
3	B39_Unbiased	5.047	5.043	0.004
3	C40_Unbiased	5.046	5.030	0.016
10	A119_Biased	5.045	5.043	0.002
10	A120_Biased	5.050	5.041	0.009
10	B40_Biased	5.045	5.033	0.012
10	C41_Biased	5.046	5.034	0.012
10	C42_Biased	5.045	5.035	0.010
10	A121_Unbiased	5.050	5.039	0.011
10	A124_Unbiased	5.046	5.032	0.014
10	B41_Unbiased	5.041	5.030	0.011
10	C43_Unbiased	5.045	5.032	0.013
10	C44_Unbiased	5.043	5.030	0.013
30	A125_Biased	5.045	5.045	0.002
30	B42_Biased	5.046	5.030	0.016
30	B43_Biased	5.041	5.041	0.000
30	C45_Biased	5.047	5.030	0.017
30	C46_Biased	5.038	5.044	-0.006
30	A127_Unbiased	5.047	5.040	0.007
30	B45_Unbiased	5.046	5.044	0.002
30	B47_Unbiased	5.047	5.042	0.005
30	C47_Unbiased	5.041	5.040	0.001
30	C50_Unbiased	5.047	5.031	0.016
50	A128_Biased	5.047	5.046	0.001
50	A129_Biased	5.043	5.045	-0.002
50	B48_Biased	5.040	5.039	0.001
50	B49_Biased	5.047	5.044	0.003
50	C51_Biased	5.045	5.043	0.002
50	A130_Unbiased	5.047	5.030	0.017
50	A131_Unbiased	5.043	5.042	0.001
50	B50_Unbiased	5.047	5.029	0.018
50	B51_Unbiased	5.046	5.046	0.002
50	C53_Unbiased	5.044	5.032	0.012
0	106_Corr	5.051	5.042	0.009
100	A132_Biased	5.053	5.041	0.012
100	A134_Biased	5.046	5.041	0.005
100	A135_Biased	5.046	5.028	0.018
100	B52_Biased	5.045	5.044	0.001
100	B54_Biased	5.050	5.041	0.009
100	B55_Biased	5.047	5.040	0.007
100	B56_Biased	5.047	5.016	0.031
100	B57_Biased	5.046	5.029	0.017
100	B59_Biased	5.046	5.045	0.001
100	B62_Biased	5.046	5.035	0.011
100	B63_Biased	5.045	5.046	-0.001
100	B64_Biased	5.047	5.044	0.003
100	B66_Biased	5.045	5.046	-0.001
100	B68_Biased	5.049	5.033	0.016
100	C54_Biased	5.046	5.041	0.005
100	C55_Biased	5.047	5.029	0.018
100	C56_Biased	5.038	5.043	-0.005
100	C57_Biased	5.046	5.047	-0.001
100	C58_Biased	5.041	5.031	0.010
100	C59_Biased	5.043	5.046	-0.003
100	C65_Biased	5.046	5.041	0.005
100	C67_Biased	5.044	5.031	0.013
100	A122_Unbiased	5.046	5.045	0.001
100	A138_Unbiased	5.044	5.035	0.009
100	A139_Unbiased	5.051	5.042	0.009
100	B60_Unbiased	5.039	5.032	0.007
100	B61_Unbiased	5.048	5.030	0.018
100	B69_Unbiased	5.039	5.043	-0.004
100	B70_Unbiased	5.048	5.040	0.008
100	B71_Unbiased	5.047	5.033	0.014
100	B72_Unbiased	5.048	5.040	0.008
100	B73_Unbiased	5.049	5.042	0.007
100	B74_Unbiased	5.037	5.030	0.007
100	B77_Unbiased	5.037	5.046	-0.009
100	B78_Unbiased	5.046	5.029	0.017
100	B79_Unbiased	5.047	5.042	0.005
100	B80_Unbiased	5.046	5.039	0.007
100	C70_Unbiased	5.048	5.032	0.016
100	C71_Unbiased	5.045	5.038	0.007
100	C72_Unbiased	5.044	5.042	0.002
100	C73_Unbiased	5.045	5.030	0.015
100	C75_Unbiased	5.044	5.034	0.010
100	C76_Unbiased	5.053	5.042	0.011
100	C79_Unbiased	5.049	5.045	0.004
	Max	5.053	5.047	0.018
	Average	5.046	5.038	0.008
	Min	5.037	5.028	-0.009
	Std Dev	0.003	0.006	0.007

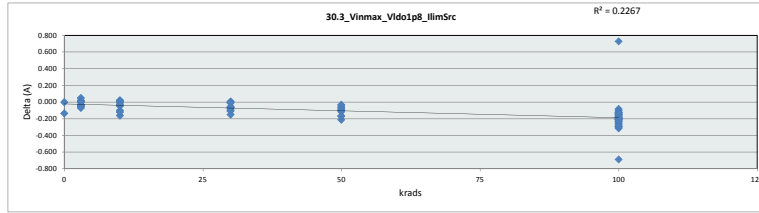


30.2_Vinmax_Vldo1p8_IlimSnk						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5.5	A				
Min Limit	3.5	A				
krads	0	3	10	30	50	100
LL	3.500	3.500	3.500	3.500	3.500	3.500
Min	5.039	5.029	5.030	5.030	5.029	5.028
Average	5.041	5.038	5.035	5.039	5.039	5.038
Max	5.042	5.043	5.043	5.045	5.046	5.047
UL	5.500	5.500	5.500	5.500	5.500	5.500

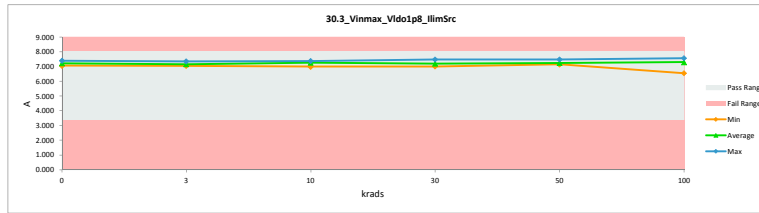


TID 100krad HDR Report
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30_3_Vinmax_Vido1p8_IlimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	8	8		
Min Limit	3.35	3.35		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	7.060	7.063	-0.003
3	A116_Biased	7.096	7.148	-0.052
3	A117_Biased	7.209	7.159	0.050
3	B36_Biased	7.078	7.060	0.018
3	B37_Biased	7.018	7.050	-0.032
3	C39_Biased	7.311	7.353	-0.042
3	A118_Unbiased	7.081	7.066	0.015
3	A140_Unbiased	7.060	7.093	-0.033
3	B38_Unbiased	7.122	7.125	-0.003
3	B39_Unbiased	7.309	7.311	-0.002
3	C40_Unbiased	7.259	7.330	-0.071
10	A119_Biased	7.369	7.378	-0.009
10	A120_Biased	7.341	7.328	0.013
10	B40_Biased	7.317	7.319	-0.002
10	C41_Biased	7.144	7.193	-0.049
10	C42_Biased	7.091	7.192	-0.101
10	A121_Unbiased	7.021	7.000	0.021
10	A124_Unbiased	7.306	7.304	0.002
10	B41_Unbiased	7.338	7.371	-0.033
10	C43_Unbiased	7.167	7.328	-0.161
10	C44_Unbiased	7.145	7.266	-0.121
30	A125_Biased	7.365	7.368	-0.003
30	B42_Biased	7.104	7.171	-0.067
30	B43_Biased	7.015	7.007	0.008
30	C45_Biased	7.434	7.488	-0.054
30	C46_Biased	7.195	7.291	-0.096
30	A127_Unbiased	6.999	7.074	-0.075
30	B45_Unbiased	7.085	7.096	-0.011
30	B47_Unbiased	7.042	7.109	-0.067
30	C47_Unbiased	7.115	7.223	-0.108
30	C50_Unbiased	7.102	7.252	-0.150
50	A128_Biased	7.167	7.235	-0.068
50	A129_Biased	7.130	7.178	-0.048
50	B48_Biased	7.086	7.167	-0.081
50	B49_Biased	7.270	7.301	-0.031
50	C51_Biased	7.043	7.211	-0.168
50	A130_Unbiased	7.154	7.270	-0.116
50	A131_Unbiased	7.051	7.149	-0.098
50	B50_Unbiased	7.254	7.351	-0.097
50	B51_Unbiased	7.270	7.483	-0.213
50	C53_Unbiased	7.045	7.216	-0.171
0	106_Corr	7.258	7.395	-0.137
100	A132_Biased	7.069	7.168	-0.099
100	A134_Biased	7.286	6.559	0.727
100	A135_Biased	7.183	7.329	-0.146
100	B52_Biased	7.274	7.423	-0.149
100	B54_Biased	7.029	7.159	-0.130
100	B55_Biased	6.709	6.871	-0.162
100	B56_Biased	7.141	7.320	-0.179
100	B57_Biased	7.335	7.416	-0.081
100	B59_Biased	7.165	7.267	-0.102
100	B62_Biased	7.393	7.582	-0.189
100	B63_Biased	7.220	7.432	-0.212
100	B64_Biased	7.094	7.389	-0.295
100	B66_Biased	7.116	7.434	-0.318
100	B68_Biased	7.097	7.315	-0.218
100	C54_Biased	7.125	7.372	-0.247
100	C55_Biased	7.111	7.321	-0.210
100	C56_Biased	7.192	7.391	-0.199
100	C57_Biased	7.062	7.275	-0.213
100	C58_Biased	7.303	7.451	-0.148
100	C59_Biased	7.058	7.292	-0.234
100	C65_Biased	7.313	7.472	-0.159
100	C67_Biased	7.033	7.241	-0.208
100	A122_Unbiased	7.013	7.137	-0.124
100	A138_Unbiased	7.245	7.369	-0.124
100	A139_Unbiased	7.114	7.306	-0.192
100	B60_Unbiased	6.882	6.573	-0.691
100	B61_Unbiased	7.156	7.461	-0.305
100	B69_Unbiased	6.882	7.111	-0.229
100	B70_Unbiased	7.156	7.341	-0.185
100	B71_Unbiased	7.222	7.409	-0.187
100	B72_Unbiased	7.348	7.486	-0.138
100	B73_Unbiased	6.542	6.714	-0.172
100	B74_Unbiased	6.952	7.162	-0.210
100	B77_Unbiased	7.162	7.436	-0.274
100	B78_Unbiased	7.252	7.274	-0.022
100	B79_Unbiased	7.177	7.438	-0.261
100	B80_Unbiased	7.315	7.457	-0.142
100	C70_Unbiased	7.027	7.315	-0.288
100	C71_Unbiased	6.929	7.221	-0.292
100	C72_Unbiased	7.152	7.442	-0.290
100	C73_Unbiased	6.982	7.243	-0.261
100	C75_Unbiased	7.061	7.244	-0.183
100	C76_Unbiased	7.061	7.289	-0.228
100	C79_Unbiased	7.213	7.404	-0.191
	Max	7.434	7.582	0.727
	Average	7.142	7.266	-0.125
	Min	6.542	6.559	-0.691
	Std Dev	0.146	0.170	0.144

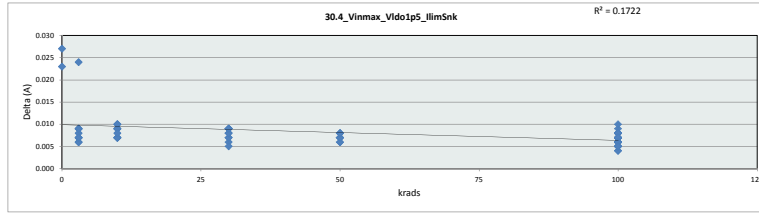


30_3_Vinmax_Vido1p8_IlimSrc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
krads	0	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	7.063	7.050	7.000	7.007	7.149	6.559
Average	7.229	7.170	7.268	7.208	7.256	7.305
Max	7.395	7.353	7.378	7.488	7.483	7.582
UL	8.000	8.000	8.000	8.000	8.000	8.000

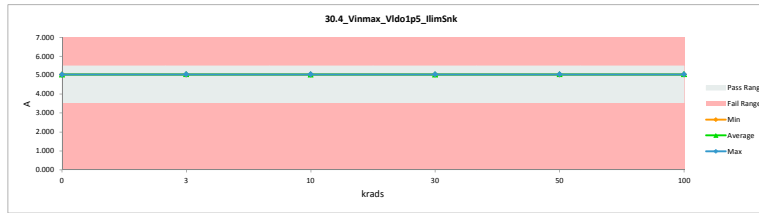


TID 100krad HDR Report
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30.4_Vinmax_Vido1p5_IIImSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.065	5.038	0.027
3	A116_Biased	5.048	5.042	0.006
3	A117_Biased	5.048	5.039	0.009
3	B36_Biased	5.048	5.041	0.007
3	B37_Biased	5.048	5.040	0.008
3	C39_Biased	5.048	5.039	0.009
3	A118_Unbiased	5.048	5.042	0.006
3	A140_Unbiased	5.065	5.041	0.024
3	B38_Unbiased	5.047	5.040	0.007
3	B39_Unbiased	5.048	5.041	0.007
3	C40_Unbiased	5.047	5.038	0.009
10	A119_Biased	5.048	5.039	0.009
10	A120_Biased	5.048	5.041	0.007
10	B40_Biased	5.047	5.037	0.010
10	C41_Biased	5.048	5.041	0.007
10	C42_Biased	5.047	5.038	0.009
10	A121_Unbiased	5.048	5.041	0.007
10	A124_Unbiased	5.047	5.038	0.009
10	B41_Unbiased	5.048	5.041	0.007
10	C43_Unbiased	5.048	5.040	0.008
10	C44_Unbiased	5.047	5.037	0.010
30	A125_Biased	5.048	5.042	0.006
30	B42_Biased	5.048	5.041	0.007
30	B43_Biased	5.048	5.043	0.005
30	C45_Biased	5.048	5.039	0.009
30	C46_Biased	5.047	5.038	0.009
30	A127_Unbiased	5.048	5.041	0.007
30	B45_Unbiased	5.047	5.038	0.009
30	B47_Unbiased	5.048	5.040	0.008
30	C47_Unbiased	5.048	5.040	0.008
30	C50_Unbiased	5.047	5.038	0.009
50	A128_Biased	5.048	5.041	0.007
50	A129_Biased	5.049	5.042	0.007
50	B48_Biased	5.048	5.042	0.006
50	B49_Biased	5.048	5.041	0.007
50	C51_Biased	5.048	5.041	0.007
50	A130_Unbiased	5.049	5.043	0.006
50	A131_Unbiased	5.049	5.041	0.008
50	B50_Unbiased	5.048	5.040	0.008
50	B51_Unbiased	5.047	5.040	0.007
50	C53_Unbiased	5.046	5.038	0.008
0	106_Corr	5.063	5.040	0.023
100	A132_Biased	5.048	5.043	0.005
100	A134_Biased	5.047	5.041	0.006
100	A135_Biased	5.047	5.040	0.007
100	B52_Biased	5.048	5.040	0.008
100	B54_Biased	5.049	5.042	0.007
100	B55_Biased	5.048	5.043	0.005
100	B56_Biased	5.047	5.041	0.006
100	B57_Biased	5.047	5.040	0.007
100	B59_Biased	5.048	5.041	0.007
100	B62_Biased	5.048	5.041	0.007
100	B63_Biased	5.048	5.041	0.007
100	B64_Biased	5.048	5.040	0.008
100	B66_Biased	5.048	5.039	0.009
100	B68_Biased	5.048	5.041	0.007
100	C54_Biased	5.048	5.042	0.006
100	C55_Biased	5.048	5.041	0.007
100	C56_Biased	5.048	5.041	0.007
100	C57_Biased	5.048	5.040	0.008
100	C58_Biased	5.048	5.040	0.008
100	C59_Biased	5.049	5.043	0.006
100	C65_Biased	5.048	5.040	0.008
100	C67_Biased	5.049	5.042	0.007
100	A122_Unbiased	5.048	5.042	0.006
100	A138_Unbiased	5.047	5.039	0.008
100	A139_Unbiased	5.049	5.043	0.006
100	B60_Unbiased	5.048	5.043	0.005
100	B61_Unbiased	5.048	5.042	0.006
100	B69_Unbiased	5.048	5.044	0.004
100	B70_Unbiased	5.048	5.041	0.007
100	B71_Unbiased	5.047	5.040	0.007
100	B72_Unbiased	5.047	5.042	0.005
100	B73_Unbiased	5.048	5.044	0.004
100	B74_Unbiased	5.048	5.038	0.010
100	B77_Unbiased	5.048	5.042	0.006
100	B78_Unbiased	5.047	5.042	0.005
100	B79_Unbiased	5.048	5.043	0.005
100	B80_Unbiased	5.047	5.039	0.008
100	C70_Unbiased	5.049	5.041	0.008
100	C71_Unbiased	5.047	5.040	0.007
100	C72_Unbiased	5.047	5.041	0.006
100	C73_Unbiased	5.048	5.042	0.006
100	C75_Unbiased	5.046	5.039	0.007
100	C76_Unbiased	5.048	5.042	0.006
100	C79_Unbiased	5.048	5.043	0.005
	Max	5.065	5.044	0.027
	Average	5.048	5.041	0.008
	Min	5.046	5.037	0.004
	Std Dev	0.003	0.002	0.004

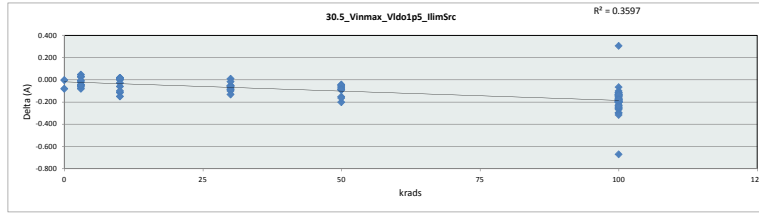


30.4_Vinmax_Vido1p5_IIImSnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	5.5	A				
Min Limit	3.5	A				
krads	0	3	10	30	50	100
LL	3.500	3.500	3.500	3.500	3.500	3.500
Min	5.038	5.038	5.037	5.038	5.038	5.038
Average	5.039	5.040	5.039	5.040	5.041	5.041
Max	5.040	5.042	5.041	5.043	5.043	5.044
UL	5.500	5.500	5.500	5.500	5.500	5.500

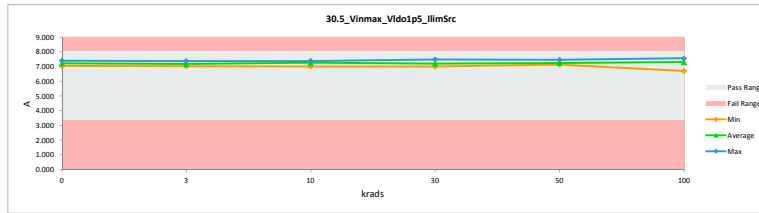


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30.5_Vinmax_Vldo1p5_IIImSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	8	8		
Min Limit	3.35	3.35		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	7.059	7.060	-0.001
3	A116_Biased	7.090	7.134	-0.044
3	A117_Biased	7.191	7.144	0.047
3	B36_Biased	7.083	7.054	0.029
3	B37_Biased	7.011	7.031	-0.020
3	C39_Biased	7.311	7.373	-0.062
3	A118_Unbiased	7.074	7.047	0.027
3	A140_Unbiased	7.059	7.138	-0.079
3	B38_Unbiased	7.117	7.123	-0.006
3	B39_Unbiased	7.320	7.363	-0.043
3	C40_Unbiased	7.260	7.310	-0.050
10	A119_Biased	7.362	7.359	0.003
10	A120_Biased	7.316	7.316	0.000
10	B40_Biased	7.314	7.375	-0.061
10	C41_Biased	7.134	7.116	0.018
10	C42_Biased	7.093	7.208	-0.115
10	A121_Unbiased	7.028	7.010	0.018
10	A124_Unbiased	7.300	7.285	0.015
10	B41_Unbiased	7.347	7.374	-0.027
10	C43_Unbiased	7.156	7.306	-0.150
10	C44_Unbiased	7.153	7.253	-0.100
30	A125_Biased	7.349	7.403	-0.054
30	B42_Biased	7.110	7.160	-0.050
30	B43_Biased	7.014	7.005	0.009
30	C45_Biased	7.421	7.482	-0.061
30	C46_Biased	7.195	7.284	-0.089
30	A127_Unbiased	6.996	6.978	-0.082
30	B45_Unbiased	7.080	7.097	-0.017
30	B47_Unbiased	7.037	7.102	-0.065
30	C47_Unbiased	7.119	7.220	-0.101
30	C50_Unbiased	7.109	7.240	-0.131
50	A128_Biased	7.164	7.221	-0.057
50	A129_Biased	7.119	7.211	-0.092
50	B48_Biased	7.089	7.159	-0.070
50	B49_Biased	7.262	7.303	-0.041
50	C51_Biased	7.065	7.218	-0.153
50	A130_Unbiased	7.199	7.248	-0.049
50	A131_Unbiased	7.050	7.134	-0.084
50	B50_Unbiased	7.264	7.350	-0.086
50	B51_Unbiased	7.468	7.468	-0.201
50	C53_Unbiased	7.041	7.205	-0.164
0	106_Corr	7.317	7.396	-0.079
100	A132_Biased	7.072	7.202	-0.130
100	A134_Biased	7.271	6.964	0.307
100	A135_Biased	7.168	7.309	-0.141
100	B52_Biased	7.270	7.418	-0.148
100	B54_Biased	7.040	7.156	-0.116
100	B55_Biased	6.727	6.859	-0.132
100	B56_Biased	7.140	7.299	-0.159
100	B57_Biased	7.317	7.382	-0.065
100	B59_Biased	7.159	7.259	-0.100
100	B62_Biased	7.378	7.566	-0.188
100	B63_Biased	7.237	7.433	-0.196
100	B64_Biased	7.087	7.353	-0.266
100	B66_Biased	7.125	7.422	-0.297
100	B68_Biased	7.102	7.307	-0.205
100	C54_Biased	7.131	7.360	-0.229
100	C55_Biased	7.105	7.302	-0.197
100	C56_Biased	7.188	7.414	-0.226
100	C57_Biased	7.128	7.257	-0.129
100	C58_Biased	7.304	7.442	-0.138
100	C59_Biased	7.073	7.274	-0.201
100	C65_Biased	7.292	7.441	-0.149
100	C67_Biased	7.052	7.220	-0.168
100	A122_Unbiased	7.008	7.125	-0.117
100	A138_Unbiased	7.232	7.347	-0.115
100	A139_Unbiased	7.110	7.288	-0.178
100	B60_Unbiased	6.874	6.546	-0.672
100	B61_Unbiased	7.146	7.446	-0.300
100	B69_Unbiased	6.874	7.078	-0.204
100	B70_Unbiased	7.146	7.324	-0.178
100	B71_Unbiased	7.199	7.382	-0.183
100	B72_Unbiased	7.334	7.473	-0.139
100	B73_Unbiased	6.509	6.705	-0.196
100	B74_Unbiased	6.942	7.136	-0.194
100	B77_Unbiased	7.149	7.400	-0.251
100	B78_Unbiased	7.233	7.402	-0.169
100	B79_Unbiased	7.172	7.428	-0.256
100	B80_Unbiased	7.307	7.443	-0.136
100	C70_Unbiased	7.017	7.273	-0.256
100	C71_Unbiased	6.923	7.237	-0.315
100	C72_Unbiased	7.188	7.432	-0.244
100	C73_Unbiased	7.004	7.240	-0.236
100	C75_Unbiased	7.040	7.222	-0.182
100	C76_Unbiased	7.079	7.267	-0.188
100	C79_Unbiased	7.198	7.372	-0.174
	Max	7.421	7.566	0.307
	Average	7.141	7.262	-0.122
	Min	6.509	6.705	-0.672
	Std Dev	0.144	0.154	0.114

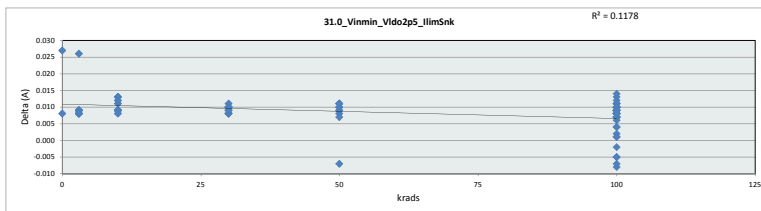


30.5_Vinmax_Vldo1p5_IIImSrc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
krads	0	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	7.060	7.031	7.010	7.005	7.134	6.705
Average	7.228	7.172	7.260	7.207	7.252	7.300
Max	7.396	7.373	7.375	7.482	7.468	7.566
UL	8.000	8.000	8.000	8.000	8.000	8.000

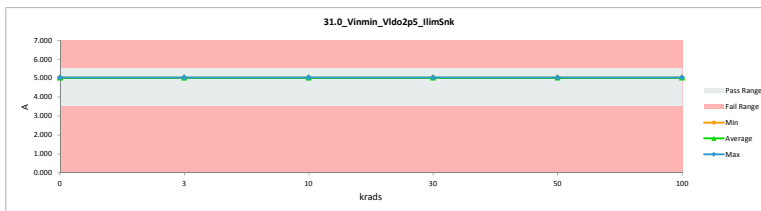


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31.0_Vinmin_Vido2p5_IlimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.053	5.026	0.027
3	A116_Biased	5.035	5.027	0.008
3	A117_Biased	5.035	5.027	0.008
3	B36_Biased	5.035	5.026	0.009
3	B37_Biased	5.035	5.026	0.009
3	C39_Biased	5.035	5.027	0.008
3	A118_Unbiased	5.035	5.026	0.009
3	A140_Unbiased	5.053	5.027	0.026
3	B38_Unbiased	5.035	5.026	0.009
3	B39_Unbiased	5.035	5.026	0.009
3	C40_Unbiased	5.034	5.026	0.008
10	A119_Biased	5.034	5.025	0.009
10	A120_Biased	5.035	5.026	0.009
10	B40_Biased	5.033	5.024	0.009
10	C41_Biased	5.035	5.026	0.009
10	C42_Biased	5.038	5.025	0.013
10	A121_Unbiased	5.035	5.026	0.009
10	A124_Unbiased	5.034	5.023	0.011
10	B41_Unbiased	5.035	5.027	0.008
10	C43_Unbiased	5.039	5.026	0.013
10	C44_Unbiased	5.037	5.025	0.012
30	A125_Biased	5.035	5.024	0.011
30	B42_Biased	5.035	5.025	0.010
30	B43_Biased	5.035	5.027	0.008
30	C45_Biased	5.035	5.025	0.010
30	C46_Biased	5.034	5.026	0.008
30	A127_Unbiased	5.035	5.027	0.008
30	B45_Unbiased	5.034	5.025	0.009
30	B47_Unbiased	5.035	5.025	0.010
30	C47_Unbiased	5.035	5.025	0.010
30	C50_Unbiased	5.034	5.025	0.009
50	A128_Biased	5.035	5.025	0.010
50	A129_Biased	5.035	5.024	0.011
50	B48_Biased	5.035	5.024	0.011
50	B49_Biased	5.035	5.027	0.008
50	C51_Biased	5.021	5.028	-0.007
50	A130_Unbiased	5.035	5.028	0.007
50	A131_Unbiased	5.036	5.026	0.010
50	B50_Unbiased	5.035	5.026	0.009
50	B51_Unbiased	5.035	5.026	0.009
50	C53_Unbiased	5.037	5.026	0.011
0	106_Corr	5.035	5.027	0.008
100	A132_Biased	5.036	5.028	0.008
100	A134_Biased	5.035	5.031	0.004
100	A135_Biased	5.034	5.026	0.008
100	B52_Biased	5.035	5.024	0.011
100	B54_Biased	5.036	5.026	0.010
100	B55_Biased	5.036	5.027	0.009
100	B56_Biased	5.034	5.026	0.008
100	B57_Biased	5.034	5.026	0.008
100	B59_Biased	5.035	5.024	0.011
100	B62_Biased	5.035	5.026	0.009
100	B63_Biased	5.020	5.028	-0.008
100	B64_Biased	5.026	5.028	-0.002
100	B66_Biased	5.026	5.025	0.001
100	B68_Biased	5.033	5.029	0.004
100	C54_Biased	5.029	5.027	0.002
100	C55_Biased	5.035	5.028	0.007
100	C56_Biased	5.035	5.028	0.007
100	C57_Biased	5.035	5.027	0.008
100	C58_Biased	5.035	5.025	0.010
100	C59_Biased	5.036	5.027	0.009
100	C65_Biased	5.035	5.025	0.010
100	C67_Biased	5.036	5.026	0.010
100	A122_Unbiased	5.035	5.026	0.009
100	A138_Unbiased	5.034	5.025	0.009
100	A139_Unbiased	5.036	5.026	0.010
100	B60_Unbiased	5.021	5.028	-0.007
100	B61_Unbiased	5.038	5.026	0.012
100	B69_Unbiased	5.021	5.026	-0.005
100	B70_Unbiased	5.038	5.027	0.011
100	B71_Unbiased	5.035	5.026	0.009
100	B72_Unbiased	5.034	5.028	0.006
100	B73_Unbiased	5.022	5.027	-0.005
100	B74_Unbiased	5.035	5.025	0.010
100	B77_Unbiased	5.036	5.026	0.010
100	B78_Unbiased	5.034	5.026	0.008
100	B79_Unbiased	5.038	5.025	0.013
100	B80_Unbiased	5.034	5.027	0.007
100	C70_Unbiased	5.040	5.026	0.014
100	C71_Unbiased	5.028	5.027	0.001
100	C72_Unbiased	5.035	5.028	0.007
100	C73_Unbiased	5.035	5.027	0.008
100	C75_Unbiased	5.034	5.025	0.009
100	C76_Unbiased	5.035	5.028	0.007
100	C78_Unbiased	5.034	5.026	0.008
	Max	5.053	5.031	0.027
	Average	5.034	5.026	0.008
	Min	5.020	5.023	-0.008
	Std Dev	0.005	0.001	0.005

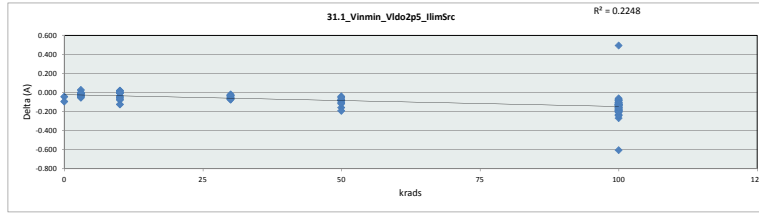


31.0_Vinmin_Vido2p5_IlimSnk						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5.5	A				
Min Limit	3.5	A				
krads	0	3	10	30	50	100
LL	3.500	3.500	3.500	3.500	3.500	3.500
Min	5.026	5.026	5.023	5.024	5.024	5.024
Average	5.027	5.026	5.025	5.025	5.026	5.027
Max	5.027	5.027	5.027	5.027	5.028	5.031
UL	5.500	5.500	5.500	5.500	5.500	5.500

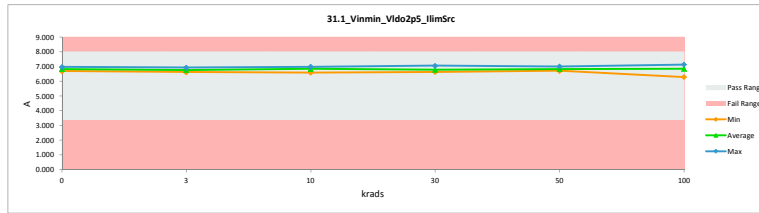


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31.1_Vinmin_Vido2p5_IlimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	8	8		
Min Limit	3.35	3.35		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	6.647	6.692	-0.045
3	A116_Biased	6.724	6.696	0.028
3	A117_Biased	6.781	6.788	-0.007
3	B36_Biased	6.657	6.692	-0.035
3	B37_Biased	6.614	6.629	-0.015
3	C39_Unbiased	6.933	6.932	0.001
3	A118_Unbiased	6.664	6.672	-0.008
3	A140_Unbiased	6.647	6.702	-0.055
3	B38_Unbiased	6.698	6.733	-0.035
3	B39_Unbiased	6.888	6.929	-0.041
3	C40_Unbiased	6.880	6.896	-0.016
10	A119_Biased	6.933	6.984	-0.051
10	A120_Biased	6.921	6.900	0.021
10	B40_Biased	6.910	6.918	-0.008
10	C41_Biased	6.688	6.726	-0.038
10	C42_Biased	6.698	6.775	-0.077
10	A121_Unbiased	6.617	6.600	0.017
10	A124_Unbiased	6.890	6.886	0.004
10	B41_Unbiased	6.933	6.937	-0.004
10	C43_Unbiased	6.782	6.907	-0.125
10	C44_Unbiased	6.778	6.846	-0.068
30	A125_Biased	6.958	6.995	-0.037
30	B42_Biased	6.718	6.749	-0.031
30	B43_Biased	6.581	6.639	-0.058
30	C45_Biased	7.006	7.063	-0.057
30	C46_Biased	6.799	6.861	-0.062
30	A127_Unbiased	6.609	6.679	-0.070
30	B45_Unbiased	6.645	6.679	-0.034
30	B47_Unbiased	6.668	6.687	-0.019
30	C47_Unbiased	6.752	6.788	-0.036
30	C50_Unbiased	6.704	6.779	-0.075
50	A128_Biased	6.750	6.837	-0.087
50	A129_Biased	6.695	6.803	-0.108
50	B48_Biased	6.673	6.754	-0.081
50	B49_Biased	6.808	6.891	-0.083
50	C51_Biased	6.658	6.815	-0.157
50	A130_Unbiased	6.768	6.808	-0.040
50	A131_Unbiased	6.643	6.714	-0.071
50	B50_Unbiased	6.862	6.916	-0.054
50	B51_Unbiased	6.900	7.008	-0.118
50	C53_Unbiased	6.637	6.830	-0.193
0	106_Corr	6.883	6.976	-0.093
100	A132_Biased	6.648	6.737	-0.089
100	A134_Biased	6.818	6.323	0.495
100	A135_Biased	6.800	6.887	-0.077
100	B52_Biased	6.906	6.978	-0.072
100	B54_Biased	6.604	6.737	-0.133
100	B55_Biased	6.345	6.455	-0.110
100	B56_Biased	6.736	6.860	-0.124
100	B57_Biased	6.886	6.990	-0.104
100	B59_Biased	6.763	6.825	-0.062
100	B62_Biased	7.008	7.137	-0.129
100	B63_Biased	6.844	7.040	-0.196
100	B64_Biased	6.703	6.901	-0.198
100	B66_Biased	6.753	6.984	-0.231
100	B68_Biased	6.711	6.891	-0.180
100	C54_Biased	6.742	6.927	-0.185
100	C55_Biased	6.747	6.836	-0.089
100	C56_Biased	6.813	6.938	-0.125
100	C57_Biased	6.676	6.806	-0.130
100	C58_Biased	6.878	6.959	-0.081
100	C59_Biased	6.663	6.794	-0.131
100	C65_Biased	6.869	7.020	-0.151
100	C67_Biased	6.656	6.789	-0.133
100	A122_Unbiased	6.593	6.702	-0.109
100	A138_Unbiased	6.845	6.952	-0.107
100	A139_Unbiased	6.701	6.860	-0.159
100	B60_Unbiased	6.511	7.117	-0.606
100	B61_Unbiased	6.731	7.001	-0.270
100	B69_Unbiased	6.511	6.695	-0.184
100	B70_Unbiased	6.731	6.918	-0.187
100	B71_Unbiased	6.824	6.936	-0.112
100	B72_Unbiased	6.892	7.076	-0.184
100	B73_Unbiased	6.168	6.298	-0.130
100	B74_Unbiased	6.579	6.731	-0.152
100	B77_Unbiased	6.756	6.999	-0.243
100	B78_Unbiased	6.810	6.941	-0.131
100	B79_Unbiased	6.843	7.020	-0.177
100	B80_Unbiased	6.894	7.008	-0.114
100	C70_Unbiased	6.629	6.839	-0.210
100	C71_Unbiased	6.519	6.759	-0.240
100	C72_Unbiased	6.784	6.954	-0.170
100	C73_Unbiased	6.585	6.788	-0.203
100	C75_Unbiased	6.669	6.811	-0.142
100	C76_Unbiased	6.651	6.806	-0.155
100	C79_Unbiased	6.778	6.944	-0.166
	Max	7.008	7.137	0.495
	Average	6.739	6.839	-0.100
	Min	6.168	6.298	-0.606
	Std Dev	0.139	0.153	0.109

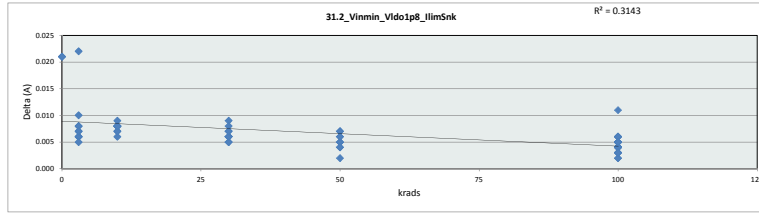


31.1_Vinmin_Vido2p5_IlimSrc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
krads	0	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	6.692	6.629	6.600	6.639	6.714	6.298
Average	6.834	6.767	6.848	6.792	6.838	6.864
Max	6.976	6.932	6.984	7.063	7.008	7.137
UL	8.000	8.000	8.000	8.000	8.000	8.000

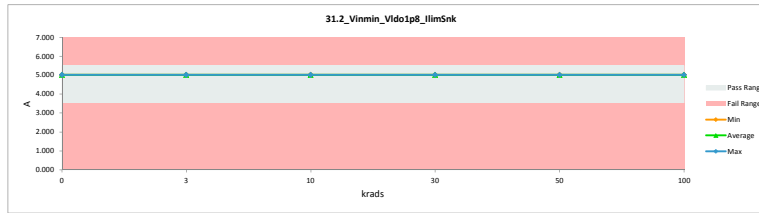


TID 100krad HDR Report
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31.2_Vinmin_Vido1p8_IIImSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.038	5.017	0.021
3	A116_Biased	5.024	5.018	0.006
3	A117_Biased	5.023	5.015	0.008
3	B36_Biased	5.023	5.016	0.007
3	B37_Biased	5.024	5.016	0.008
3	C39_Biased	5.024	5.018	0.006
3	A118_Unbiased	5.024	5.018	0.006
3	A140_Unbiased	5.038	5.016	0.022
3	B38_Unbiased	5.024	5.017	0.007
3	B39_Unbiased	5.024	5.014	0.010
3	C40_Unbiased	5.023	5.018	0.005
10	A119_Biased	5.024	5.017	0.007
10	A120_Biased	5.024	5.016	0.008
10	B40_Biased	5.023	5.017	0.006
10	C41_Biased	5.024	5.017	0.007
10	C42_Biased	5.025	5.017	0.008
10	A121_Unbiased	5.025	5.016	0.009
10	A124_Unbiased	5.023	5.015	0.008
10	B41_Unbiased	5.024	5.016	0.008
10	C43_Unbiased	5.025	5.017	0.008
10	C44_Unbiased	5.024	5.016	0.008
30	A125_Biased	5.024	5.018	0.006
30	B42_Biased	5.024	5.017	0.007
30	B43_Biased	5.024	5.015	0.009
30	C45_Biased	5.024	5.019	0.005
30	C46_Biased	5.024	5.019	0.005
30	A127_Unbiased	5.024	5.018	0.006
30	B45_Unbiased	5.024	5.018	0.006
30	B47_Unbiased	5.024	5.016	0.008
30	C47_Unbiased	5.024	5.018	0.006
30	C50_Unbiased	5.024	5.017	0.007
50	A128_Biased	5.024	5.019	0.005
50	A129_Biased	5.024	5.022	0.002
50	B48_Biased	5.024	5.018	0.006
50	B49_Biased	5.024	5.017	0.007
50	C51_Biased	5.024	5.020	0.004
50	A130_Unbiased	5.024	5.019	0.005
50	A131_Unbiased	5.025	5.018	0.007
50	B50_Unbiased	5.024	5.019	0.005
50	B51_Unbiased	5.024	5.020	0.004
50	C53_Unbiased	5.025	5.019	0.006
0	106_Corr	5.039	5.018	0.021
100	A132_Biased	5.025	5.021	0.004
100	A134_Biased	5.024	5.013	0.011
100	A135_Biased	5.023	5.019	0.004
100	B52_Biased	5.024	5.019	0.005
100	B54_Biased	5.025	5.020	0.005
100	B55_Biased	5.024	5.021	0.003
100	B56_Biased	5.023	5.021	0.002
100	B57_Biased	5.023	5.020	0.003
100	B59_Biased	5.023	5.021	0.002
100	B62_Biased	5.023	5.019	0.004
100	B63_Biased	5.024	5.019	0.005
100	B64_Biased	5.024	5.019	0.005
100	B66_Biased	5.023	5.019	0.004
100	B68_Biased	5.025	5.019	0.006
100	C54_Biased	5.024	5.018	0.006
100	C55_Biased	5.024	5.018	0.006
100	C56_Biased	5.023	5.019	0.004
100	C57_Biased	5.024	5.021	0.003
100	C58_Biased	5.023	5.019	0.004
100	C59_Biased	5.025	5.020	0.005
100	C65_Biased	5.024	5.024	0.004
100	C67_Biased	5.025	5.021	0.004
100	A122_Unbiased	5.024	5.019	0.005
100	A138_Unbiased	5.023	5.019	0.004
100	A139_Unbiased	5.024	5.020	0.004
100	B60_Unbiased	5.024	5.020	0.004
100	B61_Unbiased	5.025	5.019	0.006
100	B69_Unbiased	5.024	5.020	0.004
100	B70_Unbiased	5.025	5.020	0.005
100	B71_Unbiased	5.024	5.019	0.005
100	B72_Unbiased	5.024	5.019	0.005
100	B73_Unbiased	5.023	5.018	0.005
100	B74_Unbiased	5.025	5.019	0.006
100	B77_Unbiased	5.024	5.021	0.003
100	B78_Unbiased	5.023	5.019	0.004
100	B79_Unbiased	5.024	5.020	0.004
100	B80_Unbiased	5.024	5.019	0.005
100	C70_Unbiased	5.025	5.019	0.006
100	C71_Unbiased	5.024	5.020	0.004
100	C72_Unbiased	5.025	5.020	0.005
100	C73_Unbiased	5.025	5.020	0.005
100	C75_Unbiased	5.023	5.020	0.003
100	C76_Unbiased	5.024	5.021	0.003
100	C79_Unbiased	5.024	5.019	0.005
	Max	5.039	5.022	0.022
	Average	5.024	5.018	0.006
	Min	5.023	5.013	0.002
	Std Dev	0.003	0.002	0.003

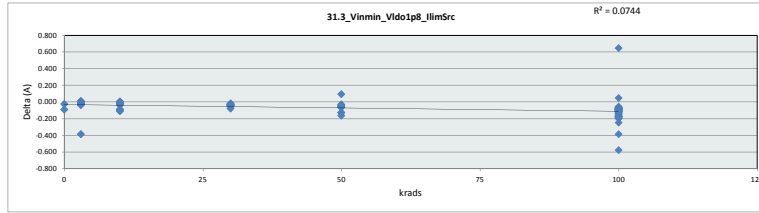


31.2_Vinmin_Vido1p8_IIImSnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	5.5	A				
Min Limit	3.5	A				
krads	0	3	10	30	50	100
LL	3.500	3.500	3.500	3.500	3.500	3.500
Min	5.017	5.014	5.015	5.015	5.017	5.013
Average	5.018	5.017	5.016	5.018	5.019	5.019
Max	5.018	5.018	5.017	5.019	5.022	5.021
UL	5.500	5.500	5.500	5.500	5.500	5.500

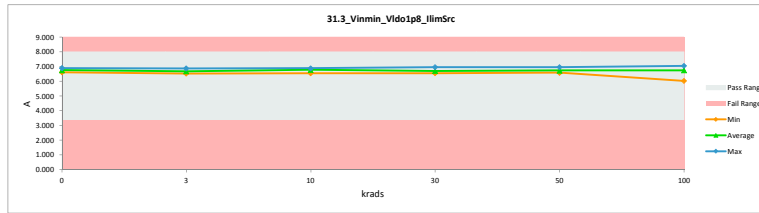


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31.3_Vinmin_Vid01p8_IlimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	8	8		
Min Limit	3.35	3.35		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	6.599	6.623	-0.024
3	A116_Biased	6.647	6.638	0.009
3	A117_Biased	6.692	6.700	-0.008
3	B36_Biased	6.607	6.621	-0.014
3	B37_Biased	6.548	6.538	0.010
3	C39_Biased	6.860	6.881	-0.021
3	A118_Unbiased	6.602	6.610	-0.008
3	A140_Unbiased	6.599	6.627	-0.028
3	B38_Unbiased	6.654	6.655	-0.001
3	B39_Unbiased	6.368	6.753	-0.385
3	C40_Unbiased	6.783	6.819	-0.036
10	A119_Biased	6.853	6.888	-0.005
10	A120_Biased	6.820	6.843	-0.023
10	B40_Biased	6.876	6.875	0.001
10	C41_Biased	6.619	6.655	-0.036
10	C42_Biased	6.631	6.717	-0.086
10	A121_Unbiased	6.539	6.559	-0.020
10	A124_Unbiased	6.828	6.822	0.006
10	B41_Unbiased	6.865	6.884	-0.019
10	C43_Unbiased	6.682	6.784	-0.102
10	C44_Unbiased	6.697	6.805	-0.108
30	A125_Biased	6.877	6.910	-0.033
30	B42_Biased	6.615	6.649	-0.034
30	B43_Biased	6.506	6.558	-0.052
30	C45_Biased	6.923	6.960	-0.037
30	C46_Biased	6.738	6.785	-0.047
30	A127_Unbiased	6.556	6.572	-0.016
30	B45_Unbiased	6.576	6.610	-0.034
30	B47_Unbiased	6.590	6.629	-0.039
30	C47_Unbiased	6.672	6.702	-0.030
30	C50_Unbiased	6.641	6.721	-0.080
50	A128_Biased	6.679	6.745	-0.066
50	A129_Biased	6.665	6.694	-0.029
50	B48_Biased	6.615	6.650	-0.035
50	B49_Biased	6.757	6.811	-0.054
50	C51_Biased	6.608	6.732	-0.124
50	A130_Unbiased	6.681	6.586	0.095
50	A131_Unbiased	6.570	6.624	-0.054
50	B50_Unbiased	6.806	6.853	-0.047
50	B51_Unbiased	6.834	6.961	-0.127
50	C53_Unbiased	6.566	6.727	-0.161
0	106_Corr	6.811	6.901	-0.090
100	A132_Biased	6.574	6.650	-0.076
100	A134_Biased	6.717	6.069	0.648
100	A135_Biased	6.671	6.784	-0.073
100	B52_Biased	6.829	6.911	-0.082
100	B54_Biased	6.573	6.643	-0.070
100	B55_Biased	6.267	6.356	-0.089
100	B56_Biased	6.665	6.753	-0.088
100	B57_Biased	6.827	6.907	-0.080
100	B59_Biased	6.663	6.733	-0.070
100	B62_Biased	6.941	7.056	-0.115
100	B63_Biased	6.798	6.947	-0.149
100	B64_Biased	6.614	6.813	-0.199
100	B66_Biased	6.689	6.866	-0.177
100	B68_Biased	6.638	6.810	-0.172
100	C54_Biased	6.642	6.816	-0.174
100	C55_Biased	6.681	6.778	-0.097
100	C56_Biased	6.739	6.850	-0.111
100	C57_Biased	6.630	6.721	-0.091
100	C58_Biased	6.810	6.873	-0.063
100	C59_Biased	6.625	6.679	-0.054
100	C65_Biased	6.808	6.926	-0.118
100	C67_Biased	6.591	6.674	-0.083
100	A122_Unbiased	6.498	6.610	-0.112
100	A138_Unbiased	6.798	6.879	-0.081
100	A139_Unbiased	6.648	6.754	-0.106
100	B60_Unbiased	6.433	7.009	-0.576
100	B61_Unbiased	6.684	6.930	-0.246
100	B69_Unbiased	6.433	6.604	-0.171
100	B70_Unbiased	6.684	6.858	-0.174
100	B71_Unbiased	6.773	6.863	-0.090
100	B72_Unbiased	6.841	6.936	-0.095
100	B73_Unbiased	6.081	6.031	0.050
100	B74_Unbiased	6.505	6.594	-0.089
100	B77_Unbiased	6.699	6.869	-0.170
100	B78_Unbiased	6.744	6.855	-0.111
100	B79_Unbiased	6.745	6.912	-0.167
100	B80_Unbiased	6.812	6.943	-0.131
100	C70_Unbiased	6.034	6.421	-0.387
100	C71_Unbiased	6.455	6.450	-0.195
100	C72_Unbiased	6.719	6.854	-0.135
100	C73_Unbiased	6.520	6.708	-0.188
100	C75_Unbiased	6.613	6.717	-0.104
100	C76_Unbiased	6.593	6.691	-0.098
100	C79_Unbiased	6.638	6.810	-0.122
	Max	6.941	7.056	0.648
	Average	6.659	6.742	-0.082
	Min	6.034	6.031	-0.576
	Std Dev	0.157	0.171	0.123

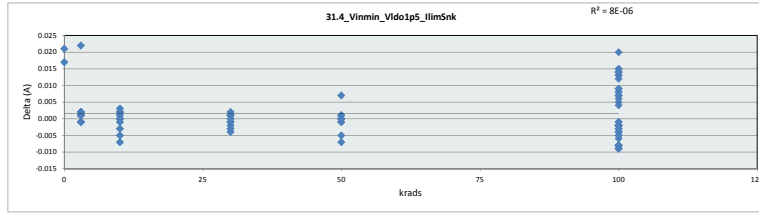


31.3_Vinmin_Vid01p8_IlimSrc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
krads	0	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	6.623	6.538	6.559	6.558	6.586	6.031
Average	6.762	6.684	6.783	6.710	6.738	6.753
Max	6.901	6.881	6.888	6.960	6.961	7.056
UL	8.000	8.000	8.000	8.000	8.000	8.000

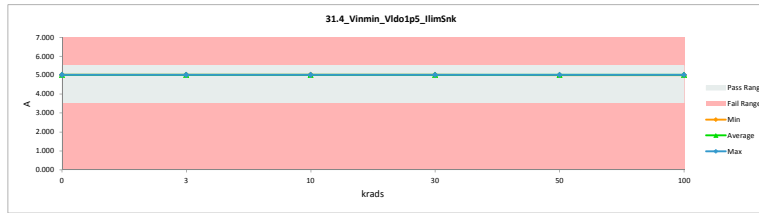


TID 100krad HDR Report
TPS7H3301-SP

31.4_Vinmin_Vido1p5_IIimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.037	5.016	0.021
3	A116_Biased	5.017	5.015	0.002
3	A117_Biased	5.016	5.015	0.001
3	B36_Biased	5.016	5.015	0.001
3	B37_Biased	5.014	5.015	-0.001
3	C39_Biased	5.016	5.017	-0.001
3	A118_Unbiased	5.018	5.016	0.002
3	A140_Unbiased	5.037	5.015	0.022
3	B38_Unbiased	5.016	5.015	0.001
3	B39_Unbiased	5.017	5.015	0.002
3	C40_Unbiased	5.018	5.017	0.001
10	A119_Biased	5.017	5.015	0.002
10	A120_Biased	5.018	5.015	0.003
10	B40_Biased	5.017	5.015	0.002
10	C41_Biased	5.016	5.016	0.000
10	C42_Biased	5.011	5.016	-0.005
10	A121_Unbiased	5.016	5.015	0.001
10	A124_Unbiased	5.017	5.018	-0.001
10	B41_Unbiased	5.017	5.017	0.000
10	C43_Unbiased	5.010	5.017	-0.007
10	C44_Unbiased	5.011	5.014	-0.003
30	A125_Biased	5.018	5.017	0.001
30	B42_Biased	5.015	5.014	0.001
30	B43_Biased	5.015	5.017	-0.002
30	C45_Biased	5.019	5.018	0.001
30	C46_Biased	5.015	5.016	-0.001
30	A127_Unbiased	5.015	5.015	0.000
30	B45_Unbiased	5.016	5.014	0.002
30	B47_Unbiased	5.015	5.018	-0.003
30	C47_Unbiased	5.016	5.017	-0.001
30	C50_Unbiased	5.013	5.017	-0.004
50	A128_Biased	5.018	5.019	-0.001
50	A129_Biased	5.018	5.017	0.001
50	B48_Biased	5.015	5.015	0.000
50	B49_Biased	5.016	5.016	0.000
50	C51_Biased	5.010	5.017	-0.007
50	A130_Unbiased	5.018	5.017	0.001
50	A131_Unbiased	5.017	5.018	-0.001
50	B50_Unbiased	5.017	5.017	0.000
50	B51_Unbiased	5.014	5.019	-0.005
50	C53_Unbiased	5.009	5.002	0.007
0	106_Corr	5.032	5.015	0.017
100	A132_Biased	5.016	5.018	-0.002
100	A134_Biased	5.016	5.011	0.005
100	A135_Biased	5.017	5.019	-0.002
100	B52_Biased	5.014	5.016	-0.002
100	B54_Biased	5.016	5.018	-0.002
100	B55_Biased	5.013	5.017	-0.004
100	B56_Biased	5.017	5.018	-0.001
100	B57_Biased	5.016	5.001	0.015
100	B59_Biased	5.015	5.017	-0.002
100	B62_Biased	5.017	5.002	0.015
100	B63_Biased	5.009	5.017	-0.008
100	B64_Biased	5.026	5.019	0.006
100	B66_Biased	5.024	5.016	0.008
100	B68_Biased	5.011	5.002	0.009
100	C54_Biased	5.024	5.017	0.007
100	C55_Biased	5.016	5.018	-0.002
100	C56_Biased	5.017	5.004	0.013
100	C57_Biased	5.016	5.002	0.014
100	C58_Biased	5.014	5.018	-0.004
100	C59_Biased	5.014	5.019	-0.005
100	C65_Biased	5.014	5.017	-0.003
100	C67_Biased	5.013	5.019	-0.006
100	A122_Unbiased	5.017	5.019	-0.002
100	A138_Unbiased	5.017	5.018	-0.001
100	A139_Unbiased	5.017	5.019	-0.002
100	B60_Unbiased	5.024	5.017	0.007
100	B61_Unbiased	5.010	5.019	-0.009
100	B69_Unbiased	5.024	5.017	0.007
100	B70_Unbiased	5.010	5.018	-0.008
100	B71_Unbiased	5.015	5.018	-0.003
100	B72_Unbiased	5.016	5.002	0.014
100	B73_Unbiased	5.023	5.019	0.004
100	B74_Unbiased	5.011	5.019	-0.008
100	B77_Unbiased	5.008	5.017	-0.009
100	B78_Unbiased	5.016	5.003	0.013
100	B79_Unbiased	5.009	5.018	-0.009
100	B80_Unbiased	5.014	5.018	-0.004
100	C70_Unbiased	5.010	5.018	-0.008
100	C71_Unbiased	5.023	5.003	0.020
100	C72_Unbiased	5.012	5.004	0.008
100	C73_Unbiased	5.012	5.003	0.009
100	C75_Unbiased	5.013	5.018	-0.005
100	C76_Unbiased	5.017	5.003	0.014
100	C78_Unbiased	5.016	5.004	0.012
	Max	5.037	5.019	0.022
	Average	5.016	5.015	0.002
	Min	5.008	5.001	-0.009
	Std Dev	0.005	0.005	0.007

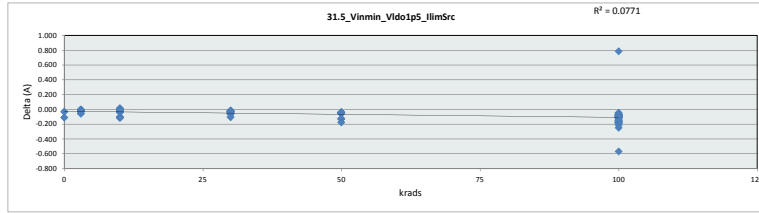


31.4_Vinmin_Vido1p5_IIimSnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	5.5	A				
Min Limit	3.5	A				
krads	0	3	10	30	50	100
LL	3.500	3.500	3.500	3.500	3.500	3.500
Min	5.015	5.015	5.014	5.014	5.002	5.001
Average	5.016	5.016	5.016	5.016	5.016	5.014
Max	5.016	5.017	5.018	5.018	5.019	5.019
UL	5.500	5.500	5.500	5.500	5.500	5.500

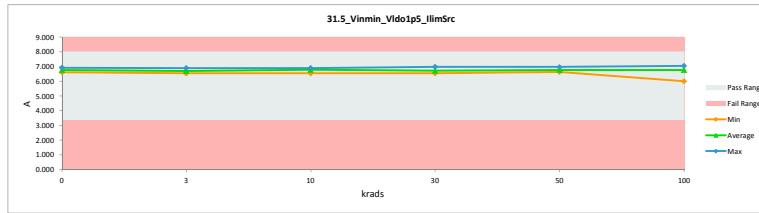


TID 100krad HDR Report
TPS7H3301-SP

31.5_Vinmin_Vido1p5_11mSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	8	8		
Min Limit	3.35	3.35		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	6.587	6.617	-0.030
3	A116_Biased	6.641	6.658	-0.017
3	A117_Biased	6.704	6.713	-0.009
3	B36_Biased	6.631	6.636	-0.005
3	B37_Biased	6.539	6.555	-0.016
3	C39_Biased	6.874	6.896	-0.022
3	A118_Unbiased	6.613	6.615	-0.002
3	A140_Unbiased	6.587	6.646	-0.059
3	B38_Unbiased	6.665	6.671	-0.006
3	B39_Unbiased	6.857	6.868	-0.011
3	C40_Unbiased	6.796	6.829	-0.033
10	A119_Biased	6.889	6.889	0.000
10	A120_Biased	6.827	6.848	-0.021
10	B40_Biased	6.890	6.892	-0.002
10	C41_Biased	6.645	6.684	-0.039
10	C42_Biased	6.640	6.748	-0.108
10	A121_Unbiased	6.572	6.556	0.016
10	A124_Unbiased	6.834	6.839	-0.005
10	B41_Unbiased	6.877	6.897	-0.020
10	C43_Unbiased	6.717	6.818	-0.101
10	C44_Unbiased	6.699	6.814	-0.115
30	A125_Biased	6.895	6.913	-0.028
30	B42_Biased	6.636	6.663	-0.027
30	B43_Biased	6.532	6.554	-0.022
30	C45_Biased	6.915	6.980	-0.065
30	C46_Biased	6.744	6.797	-0.053
30	A127_Unbiased	6.570	6.585	0.015
30	B45_Unbiased	6.595	6.634	-0.039
30	B47_Unbiased	6.603	6.640	-0.037
30	C47_Unbiased	6.686	6.722	-0.036
30	C50_Unbiased	6.633	6.737	-0.104
50	A128_Biased	6.712	6.785	-0.043
50	A129_Biased	6.655	6.709	-0.054
50	B48_Biased	6.634	6.671	-0.037
50	B49_Biased	6.782	6.821	-0.039
50	C51_Biased	6.609	6.741	-0.132
50	A130_Unbiased	6.699	6.752	-0.053
50	A131_Unbiased	6.592	6.642	-0.050
50	B50_Unbiased	6.816	6.866	-0.050
50	B51_Unbiased	6.853	6.973	-0.120
50	C53_Unbiased	6.577	6.750	-0.173
0	106_Corr	6.818	6.927	-0.109
100	A132_Biased	6.594	6.672	-0.078
100	A134_Biased	6.795	6.910	0.785
100	A135_Biased	6.724	6.798	-0.074
100	B52_Biased	6.854	6.898	-0.044
100	B54_Biased	6.566	6.659	-0.093
100	B55_Biased	6.798	6.772	-0.074
100	B56_Biased	6.696	6.760	-0.064
100	B57_Biased	6.835	6.908	-0.073
100	B59_Biased	6.680	6.750	-0.070
100	B62_Biased	6.941	7.055	-0.114
100	B63_Biased	6.803	6.959	-0.156
100	B64_Biased	6.629	6.812	-0.183
100	B66_Biased	6.693	6.878	-0.185
100	B68_Biased	6.648	6.815	-0.167
100	C54_Biased	6.654	6.831	-0.177
100	C55_Biased	6.691	6.765	-0.074
100	C56_Biased	6.784	6.862	-0.108
100	C57_Biased	6.658	6.712	-0.054
100	C58_Biased	6.796	6.892	-0.096
100	C59_Biased	6.618	6.712	-0.094
100	C65_Biased	6.816	6.904	-0.088
100	C67_Biased	6.616	6.706	-0.090
100	A122_Unbiased	6.525	6.620	-0.095
100	A138_Unbiased	6.803	6.882	-0.079
100	A139_Unbiased	6.660	6.759	-0.099
100	B60_Unbiased	6.439	7.008	-0.569
100	B61_Unbiased	6.688	6.935	-0.247
100	B69_Unbiased	6.439	6.607	-0.168
100	B70_Unbiased	6.688	6.840	-0.152
100	B71_Unbiased	6.775	6.854	-0.089
100	B72_Unbiased	6.845	6.936	-0.091
100	B73_Unbiased	6.083	6.210	-0.127
100	B74_Unbiased	6.514	6.644	-0.130
100	B77_Unbiased	6.697	6.871	-0.174
100	B78_Unbiased	6.748	6.857	-0.109
100	B79_Unbiased	6.752	6.927	-0.175
100	B80_Unbiased	6.840	6.945	-0.105
100	C70_Unbiased	6.562	6.736	-0.174
100	C71_Unbiased	6.460	6.673	-0.213
100	C72_Unbiased	6.735	6.881	-0.146
100	C73_Unbiased	6.548	6.698	-0.150
100	C75_Unbiased	6.623	6.720	-0.097
100	C76_Unbiased	6.629	6.717	-0.088
100	C79_Unbiased	6.704	6.820	-0.116
	Max	6.941	7.055	0.785
	Average	6.683	6.760	-0.077
	Min	6.083	6.010	-0.569
	Std Dev	0.139	0.161	0.122

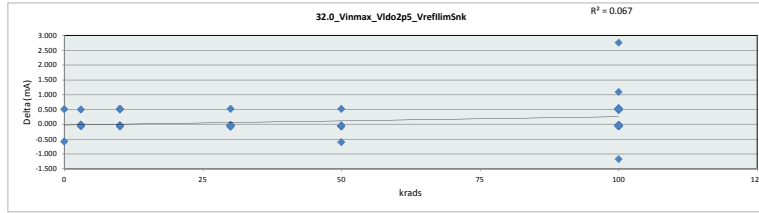


31.5_Vinmin_Vido1p5_11mSrc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
krads	0	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	6.617	6.555	6.556	6.554	6.642	6.010
Average	6.772	6.709	6.799	6.723	6.768	6.770
Max	6.927	6.896	6.897	6.980	6.973	7.055
UL	8.000	8.000	8.000	8.000	8.000	8.000

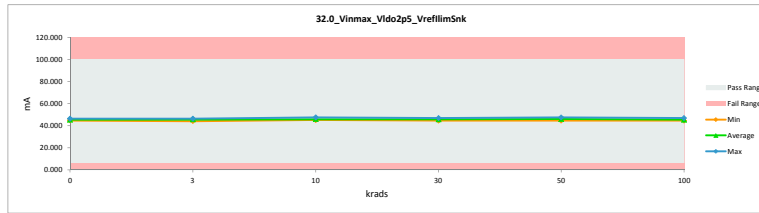


TID 100krad HDR Report
TPS7H3301-SP

32.0_Vinmax_Vido2p5_VrefIlim				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	45.788	46.372	-0.584
3	A116_Biased	46.328	46.356	-0.028
3	A117_Biased	45.199	45.246	-0.047
3	B36_Biased	46.332	46.374	-0.042
3	B37_Biased	46.312	46.351	-0.039
3	C39_Biased	45.203	45.236	-0.033
3	A118_Unbiased	45.752	45.821	-0.069
3	A140_Unbiased	45.788	45.798	-0.010
3	B38_Unbiased	45.215	45.268	-0.053
3	B39_Unbiased	45.771	45.270	0.501
3	C40_Unbiased	44.080	44.124	-0.044
10	A119_Biased	46.317	46.369	-0.052
10	A120_Biased	47.420	47.466	-0.046
10	B40_Biased	45.189	45.239	-0.050
10	C41_Biased	46.301	46.373	-0.072
10	C42_Biased	46.311	45.791	0.520
10	A121_Unbiased	45.215	45.255	-0.040
10	A124_Unbiased	45.191	45.247	-0.056
10	B41_Unbiased	45.197	45.240	-0.043
10	C43_Unbiased	46.301	45.804	0.497
10	C44_Unbiased	46.316	45.796	0.520
30	A125_Biased	46.880	46.924	-0.044
30	B42_Biased	45.754	45.802	-0.048
30	B43_Biased	45.197	45.250	-0.053
30	C45_Biased	45.759	45.795	-0.036
30	C46_Biased	44.660	44.684	-0.024
30	A127_Unbiased	46.303	46.356	-0.053
30	B45_Unbiased	46.894	46.377	0.517
30	B47_Unbiased	44.637	44.678	-0.041
30	C47_Unbiased	46.309	46.349	-0.040
30	C50_Unbiased	44.631	44.719	-0.088
50	A128_Biased	46.300	46.350	-0.050
50	A129_Biased	47.420	47.496	-0.076
50	B48_Biased	44.634	44.697	-0.063
50	B49_Biased	46.328	46.372	-0.044
50	C51_Biased	46.306	46.365	-0.059
50	A130_Unbiased	45.194	45.242	-0.048
50	A131_Unbiased	46.858	46.920	-0.062
50	B50_Unbiased	46.307	46.356	-0.049
50	B51_Unbiased	45.191	45.801	-0.610
50	C53_Unbiased	46.304	45.789	0.515
0	106_Corr	45.226	44.716	0.510
100	A132_Biased	44.653	44.700	-0.047
100	A134_Biased	45.759	46.935	-1.176
100	A135_Biased	46.336	45.791	0.545
100	B52_Biased	45.188	45.253	-0.065
100	B54_Biased	45.762	45.252	0.510
100	B55_Biased	45.201	45.241	-0.040
100	B56_Biased	45.753	45.797	-0.044
100	B57_Biased	45.213	45.260	-0.047
100	B59_Biased	46.339	45.800	0.539
100	B62_Biased	46.869	46.934	-0.065
100	B63_Biased	45.744	45.265	0.479
100	B64_Biased	46.894	46.354	0.540
100	B66_Biased	45.758	45.233	0.525
100	B68_Biased	45.222	44.685	0.537
100	C54_Biased	46.305	45.814	0.491
100	C55_Biased	45.210	45.244	-0.034
100	C56_Biased	45.211	45.234	-0.023
100	C57_Biased	45.204	45.236	-0.032
100	C58_Biased	45.751	45.817	-0.066
100	C59_Biased	45.748	45.795	-0.047
100	C65_Biased	45.752	45.239	0.513
100	C67_Biased	45.747	45.235	0.512
100	A122_Unbiased	46.324	46.374	-0.050
100	A138_Unbiased	46.298	46.351	-0.053
100	A139_Unbiased	45.784	45.801	-0.017
100	B60_Unbiased	47.450	44.692	2.758
100	B61_Unbiased	45.762	45.827	-0.065
100	B69_Unbiased	47.450	46.362	1.088
100	B70_Unbiased	45.762	45.244	0.518
100	B71_Unbiased	45.222	44.707	0.515
100	B72_Unbiased	45.775	45.797	-0.022
100	B73_Unbiased	46.311	46.358	-0.047
100	B74_Unbiased	46.865	46.351	0.514
100	B77_Unbiased	46.890	46.366	0.524
100	B78_Unbiased	45.221	45.273	-0.052
100	B79_Unbiased	45.760	45.257	0.503
100	B80_Unbiased	45.210	44.693	0.517
100	C70_Unbiased	45.206	44.678	0.528
100	C71_Unbiased	45.191	44.679	0.512
100	C72_Unbiased	44.660	44.704	-0.044
100	C73_Unbiased	45.208	44.690	0.518
100	C75_Unbiased	45.205	44.698	0.507
100	C76_Unbiased	45.772	45.795	-0.023
100	C79_Unbiased	45.744	45.824	-0.080
Max		47.450	47.496	2.758
Average		45.806	45.657	0.149
Min		44.080	44.124	-1.176
Std Dev		0.721	0.718	0.438

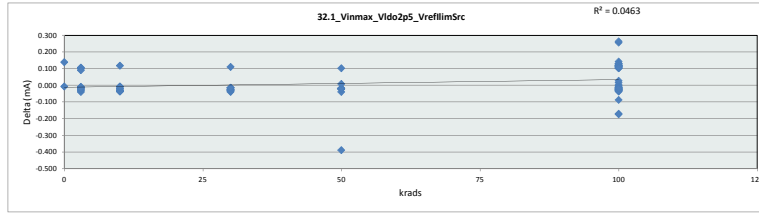


32.0_Vinmax_Vido2p5_VrefIlim						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	44.716	44.124	45.239	44.678	44.697	44.678
Average	45.544	45.584	45.858	45.694	46.139	45.514
Max	46.372	46.374	47.466	46.934	47.496	46.935
UL	100.000	100.000	100.000	100.000	100.000	100.000

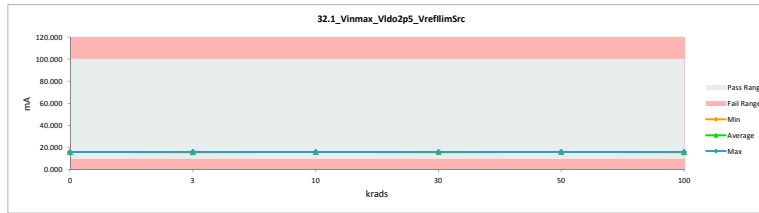


TID 100krad HDR Report
TPS7H3301-SP

32.1_Vinmax_Vldo2p5_VrefIlim				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	16.112	15.973	0.139
3	A116_Biased	16.157	16.166	-0.009
3	A117_Biased	15.917	15.957	-0.040
3	B36_Biased	16.079	15.976	0.103
3	B37_Biased	16.160	16.175	-0.015
3	C39_Biased	15.920	15.948	-0.028
3	A118_Unbiased	15.911	15.804	0.107
3	A140_Unbiased	16.112	16.125	-0.013
3	B38_Unbiased	15.929	15.957	-0.028
3	B39_Unbiased	16.101	16.119	-0.018
3	C40_Unbiased	15.895	15.804	0.091
10	A119_Biased	16.110	16.144	-0.034
10	A120_Biased	16.147	16.178	-0.031
10	B40_Biased	16.119	16.153	-0.034
10	C41_Biased	16.101	16.122	-0.021
10	C42_Biased	16.076	15.957	0.119
10	A121_Unbiased	16.085	16.122	-0.037
10	A124_Unbiased	15.917	15.951	-0.034
10	B41_Unbiased	15.942	15.960	-0.018
10	C43_Unbiased	16.138	16.147	-0.009
10	C44_Unbiased	16.144	16.150	-0.006
30	A125_Biased	16.157	16.197	-0.040
30	B42_Biased	16.122	16.138	-0.016
30	B43_Biased	16.088	16.113	-0.025
30	C45_Biased	16.076	16.107	-0.031
30	C46_Biased	15.933	15.957	-0.024
30	A127_Unbiased	16.107	16.141	-0.034
30	B45_Unbiased	16.154	16.181	-0.027
30	B47_Unbiased	15.780	15.795	-0.015
30	C47_Unbiased	15.917	15.807	0.110
30	C50_Unbiased	16.104	16.119	-0.015
50	A128_Biased	16.076	15.973	0.103
50	A129_Biased	16.098	16.116	-0.018
50	B48_Biased	16.104	16.144	-0.040
50	B49_Biased	16.144	16.163	-0.019
50	C51_Biased	16.104	16.125	-0.021
50	A130_Unbiased	16.160	16.181	-0.021
50	A131_Unbiased	16.088	16.107	-0.019
50	B50_Unbiased	16.147	16.163	-0.016
50	B51_Unbiased	15.774	16.163	-0.389
50	C53_Unbiased	16.116	16.107	0.009
0	106_Corr	15.950	15.957	-0.007
100	A132_Biased	15.936	15.963	-0.027
100	A134_Biased	16.088	16.175	-0.087
100	A135_Biased	16.073	15.954	0.119
100	B52_Biased	15.768	15.938	-0.170
100	B54_Biased	16.082	15.966	0.116
100	B55_Biased	15.933	15.814	0.119
100	B56_Biased	16.129	16.163	-0.034
100	B57_Biased	15.929	15.954	-0.025
100	B59_Biased	16.094	16.110	-0.016
100	B62_Biased	16.185	16.181	0.004
100	B63_Biased	16.088	15.973	0.115
100	B64_Biased	16.129	16.150	-0.021
100	B66_Biased	16.116	16.119	-0.003
100	B68_Biased	16.073	15.960	0.113
100	C54_Biased	16.110	16.119	-0.009
100	C55_Biased	15.923	15.820	0.103
100	C56_Biased	15.942	15.954	-0.012
100	C57_Biased	15.764	15.938	-0.174
100	C58_Biased	16.129	16.141	-0.012
100	C59_Biased	15.929	15.948	-0.019
100	C65_Biased	16.066	15.810	0.256
100	C67_Biased	15.923	15.795	0.128
100	A122_Unbiased	16.126	16.150	-0.024
100	A138_Unbiased	15.917	15.948	-0.031
100	A139_Unbiased	16.073	15.969	0.104
100	B60_Unbiased	16.144	16.128	0.016
100	B61_Unbiased	16.094	15.982	0.112
100	B69_Unbiased	16.144	16.116	0.028
100	B70_Unbiased	16.094	15.976	0.118
100	B71_Unbiased	15.908	15.904	0.104
100	B72_Unbiased	16.104	16.132	-0.028
100	B73_Unbiased	16.104	16.125	-0.021
100	B74_Unbiased	16.110	15.966	0.144
100	B77_Unbiased	16.088	16.125	-0.037
100	B78_Unbiased	16.110	16.141	-0.031
100	B79_Unbiased	16.063	15.960	0.103
100	B80_Unbiased	16.098	16.113	-0.015
100	C70_Unbiased	16.066	15.801	0.265
100	C71_Unbiased	15.936	15.807	0.129
100	C72_Unbiased	15.929	15.801	0.128
100	C73_Unbiased	16.088	15.957	0.131
100	C75_Unbiased	15.771	15.789	-0.018
100	C76_Unbiased	16.079	15.960	0.119
100	C79_Unbiased	16.079	15.973	0.106
Max	16.185	16.197	0.265	
Average	16.044	16.027	0.017	
Min	15.764	15.789	-0.389	
Std Dev	0.107	0.127	0.090	

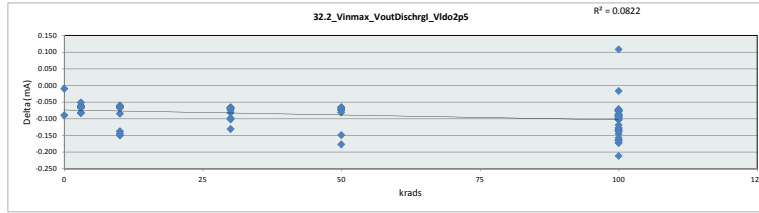


32.1_Vinmax_Vldo2p5_VrefIlim						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	15.957	15.804	15.951	15.795	15.973	15.789
Average	15.965	16.003	16.088	16.056	16.124	15.992
Max	15.973	16.175	16.178	16.197	16.181	16.181
UL	100.000	100.000	100.000	100.000	100.000	100.000

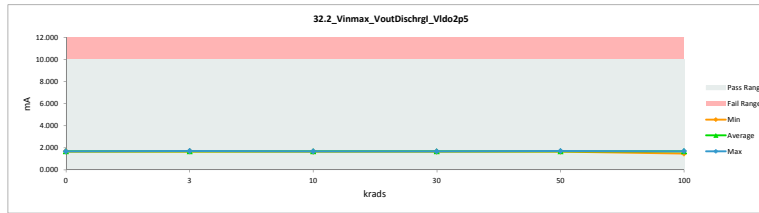


TID 100krad HDR Report
TPS7H3301-S29

32.2_Vinmax_VoutDischrgl_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.653	1.663	-0.010
3	A116_Biased	1.607	1.670	-0.063
3	A117_Biased	1.616	1.652	-0.066
3	B36_Biased	1.603	1.664	-0.061
3	B37_Biased	1.599	1.662	-0.063
3	C39_Biased	1.592	1.675	-0.083
3	A118_Unbiased	1.601	1.663	-0.062
3	A140_Unbiased	1.653	1.704	-0.051
3	B38_Unbiased	1.597	1.664	-0.067
3	B39_Unbiased	1.619	1.686	-0.067
3	C40_Unbiased	1.580	1.662	-0.082
10	A119_Biased	1.625	1.689	-0.064
10	A120_Biased	1.620	1.681	-0.061
10	B40_Biased	1.606	1.671	-0.065
10	C41_Biased	1.582	1.667	-0.085
10	C42_Biased	1.503	1.653	-0.150
10	A121_Unbiased	1.612	1.673	-0.061
10	A124_Unbiased	1.605	1.669	-0.064
10	B41_Unbiased	1.612	1.680	-0.068
10	C43_Unbiased	1.532	1.670	-0.138
10	C44_Unbiased	1.521	1.666	-0.145
30	A125_Biased	1.615	1.681	-0.066
30	B42_Biased	1.602	1.672	-0.070
30	B43_Biased	1.594	1.668	-0.074
30	C45_Biased	1.591	1.673	-0.082
30	C46_Biased	1.561	1.663	-0.102
30	A127_Unbiased	1.609	1.677	-0.068
30	B45_Unbiased	1.599	1.669	-0.070
30	B47_Unbiased	1.594	1.661	-0.067
30	C47_Unbiased	1.554	1.652	-0.098
30	C50_Unbiased	1.529	1.660	-0.131
50	A128_Biased	1.617	1.690	-0.073
50	A129_Biased	1.607	1.673	-0.066
50	B48_Biased	1.612	1.683	-0.071
50	B49_Biased	1.598	1.666	-0.068
50	C51_Biased	1.544	1.693	-0.149
50	A130_Unbiased	1.624	1.690	-0.066
50	A131_Unbiased	1.599	1.674	-0.075
50	B50_Unbiased	1.596	1.669	-0.073
50	B51_Unbiased	1.596	1.677	-0.081
50	C53_Unbiased	1.478	1.655	-0.177
0	106_Corr	1.598	1.688	-0.090
100	A132_Biased	1.601	1.675	-0.074
100	A134_Biased	1.606	1.682	-0.076
100	A135_Biased	1.595	1.669	-0.074
100	B52_Biased	1.595	1.671	-0.076
100	B54_Biased	1.602	1.678	-0.076
100	B55_Biased	1.564	1.639	-0.075
100	B56_Biased	1.612	1.689	-0.077
100	B57_Biased	1.596	1.613	-0.017
100	B59_Biased	1.600	1.677	-0.077
100	B62_Biased	1.592	1.683	-0.091
100	B63_Biased	1.537	1.665	-0.128
100	B64_Biased	1.504	1.674	-0.170
100	B66_Biased	1.505	1.678	-0.173
100	B68_Biased	1.524	1.625	-0.101
100	C54_Biased	1.519	1.684	-0.165
100	C55_Biased	1.560	1.654	-0.094
100	C56_Biased	1.578	1.681	-0.103
100	C57_Biased	1.563	1.655	-0.092
100	C58_Biased	1.573	1.465	0.108
100	C59_Biased	1.576	1.667	-0.091
100	C65_Biased	1.569	1.665	-0.096
100	C67_Biased	1.556	1.654	-0.098
100	A122_Unbiased	1.613	1.684	-0.071
100	A138_Unbiased	1.598	1.669	-0.071
100	A139_Unbiased	1.608	1.684	-0.076
100	B60_Unbiased	1.515	1.680	-0.165
100	B61_Unbiased	1.534	1.671	-0.137
100	B69_Unbiased	1.515	1.648	-0.133
100	B70_Unbiased	1.534	1.672	-0.138
100	B71_Unbiased	1.579	1.668	-0.089
100	B72_Unbiased	1.592	1.678	-0.086
100	B73_Unbiased	1.507	1.626	-0.119
100	B74_Unbiased	1.544	1.671	-0.127
100	B77_Unbiased	1.518	1.663	-0.145
100	B78_Unbiased	1.594	1.686	-0.092
100	B79_Unbiased	1.536	1.674	-0.138
100	B80_Unbiased	1.579	1.667	-0.088
100	C70_Unbiased	1.498	1.661	-0.163
100	C71_Unbiased	1.457	1.669	-0.212
100	C72_Unbiased	1.540	1.674	-0.134
100	C73_Unbiased	1.518	1.675	-0.157
100	C75_Unbiased	1.564	1.667	-0.103
100	C76_Unbiased	1.588	1.678	-0.090
100	C78_Unbiased	1.593	1.692	-0.097
	Max	1.653	1.704	0.108
	Average	1.576	1.668	-0.092
	Min	1.457	1.465	-0.212
	Std Dev	0.041	0.026	0.043

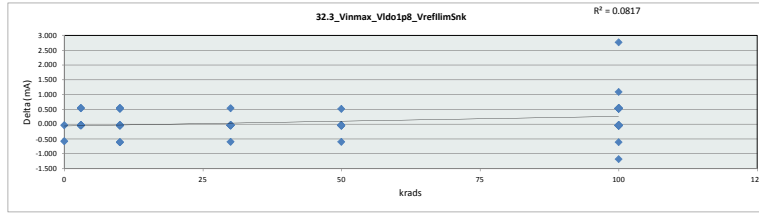


32.2_Vinmax_VoutDischrgl_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.663	1.662	1.653	1.652	1.655	1.465
Average	1.676	1.673	1.672	1.668	1.677	1.664
Max	1.688	1.704	1.689	1.681	1.693	1.690
UL	10.000	10.000	10.000	10.000	10.000	10.000

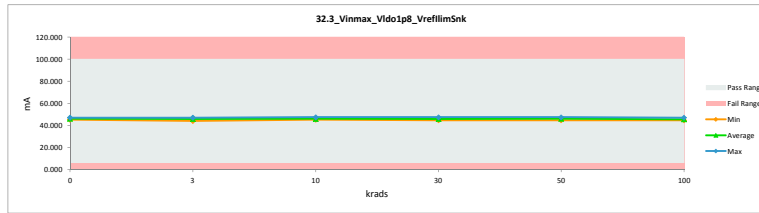


TID 100krad HDR Report
TPS7H3301-SP

32.3_Vinmax_Vido1p8_VrefIlim				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	46.460	47.031	-0.571
3	A116_Biased	47.008	46.467	0.541
3	A117_Biased	45.333	45.360	-0.027
3	B36_Biased	47.010	47.039	-0.029
3	B37_Biased	46.433	46.468	-0.035
3	C39_Unbiased	45.322	45.351	-0.029
3	A118_Unbiased	45.866	45.920	-0.054
3	A140_Unbiased	46.460	45.907	0.553
3	B38_Unbiased	45.892	45.923	-0.031
3	B39_Unbiased	45.888	45.926	-0.038
3	C40_Unbiased	44.204	44.237	-0.033
10	A119_Biased	46.431	47.040	-0.609
10	A120_Biased	47.575	47.575	-0.024
10	B40_Biased	45.322	45.354	-0.032
10	C41_Biased	46.438	46.477	-0.039
10	C42_Biased	46.445	45.897	0.548
10	A121_Unbiased	45.329	45.930	-0.601
10	A124_Unbiased	45.320	45.363	-0.043
10	B41_Unbiased	45.317	45.356	-0.039
10	C43_Unbiased	46.434	45.912	0.522
10	C44_Unbiased	46.444	45.906	0.538
30	A125_Biased	46.997	47.594	-0.597
30	B42_Biased	45.876	45.910	-0.034
30	B43_Biased	45.329	45.356	-0.027
30	C45_Biased	45.874	45.907	-0.033
30	C46_Biased	45.340	44.796	0.544
30	A127_Unbiased	46.426	46.465	-0.039
30	B45_Unbiased	47.007	47.041	-0.034
30	B47_Unbiased	44.762	44.792	-0.030
30	C47_Unbiased	46.433	46.465	-0.032
30	C50_Unbiased	44.766	44.812	-0.046
50	A128_Biased	46.430	46.463	-0.033
50	A129_Biased	47.545	47.589	-0.044
50	B48_Biased	44.765	44.799	-0.034
50	B49_Biased	47.011	47.039	-0.028
50	C51_Biased	46.427	46.469	-0.042
50	A130_Unbiased	45.321	45.352	-0.031
50	A131_Unbiased	46.986	47.030	-0.044
50	B50_Unbiased	46.429	46.467	-0.038
50	B51_Unbiased	45.321	45.315	-0.594
50	C53_Unbiased	46.435	45.911	0.524
0	106_Corr	45.340	45.367	-0.027
100	A132_Biased	44.766	44.806	-0.040
100	A134_Biased	45.879	47.060	-1.181
100	A135_Biased	46.448	45.913	0.535
100	B52_Biased	45.322	45.362	-0.040
100	B54_Biased	45.888	45.355	0.533
100	B55_Biased	45.320	45.350	-0.030
100	B56_Biased	45.873	45.911	-0.038
100	B57_Biased	45.898	45.926	-0.028
100	B59_Biased	46.454	45.905	0.549
100	B62_Biased	46.991	47.037	-0.046
100	B63_Biased	45.877	45.927	-0.050
100	B64_Biased	47.010	46.467	0.543
100	B66_Biased	45.889	45.354	0.535
100	B68_Biased	45.340	44.800	0.540
100	C54_Biased	46.435	46.484	-0.049
100	C55_Biased	45.896	45.354	0.542
100	C56_Biased	45.896	45.350	0.546
100	C57_Biased	45.333	45.351	-0.018
100	C58_Biased	45.876	45.921	-0.045
100	C59_Biased	45.868	45.914	-0.046
100	C65_Biased	45.880	45.351	0.529
100	C67_Biased	45.880	45.343	0.537
100	A122_Unbiased	46.440	47.041	-0.601
100	A138_Unbiased	46.426	46.469	-0.043
100	A139_Unbiased	46.452	45.915	0.537
100	B60_Unbiased	47.559	44.791	2.768
100	B61_Unbiased	45.889	45.926	-0.037
100	B69_Unbiased	47.559	46.469	1.090
100	B70_Unbiased	45.889	45.353	0.536
100	B71_Unbiased	45.334	45.370	-0.036
100	B72_Unbiased	46.455	45.910	0.545
100	B73_Unbiased	46.430	46.469	-0.039
100	B74_Unbiased	46.985	46.465	0.520
100	B77_Unbiased	47.006	47.033	-0.027
100	B78_Unbiased	45.340	45.367	-0.027
100	B79_Unbiased	45.887	45.929	-0.042
100	B80_Unbiased	45.333	44.802	0.531
100	C70_Unbiased	45.324	44.797	0.527
100	C71_Unbiased	45.328	44.799	0.529
100	C72_Unbiased	45.341	44.801	0.540
100	C73_Unbiased	45.329	44.802	0.527
100	C75_Unbiased	45.332	44.804	0.528
100	C76_Unbiased	46.452	45.909	0.543
100	C79_Unbiased	45.883	45.920	-0.037
	Max	47.559	47.594	2.768
	Average	46.020	45.876	0.144
	Min	44.204	44.237	-1.181
	Std Dev	0.720	0.770	0.469

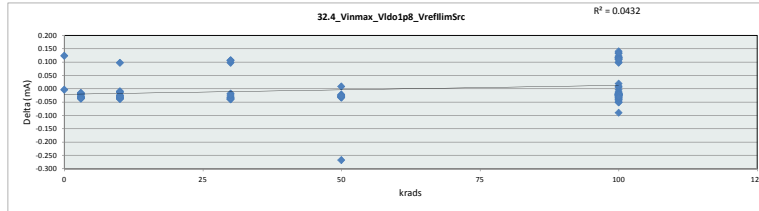


32.3_Vinmax_Vido1p8_VrefIlim						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	45.367	44.237	45.354	44.792	44.799	44.791
Average	46.199	45.860	46.081	45.914	46.303	45.713
Max	47.031	47.039	47.575	47.594	47.589	47.060
UL	100.000	100.000	100.000	100.000	100.000	100.000

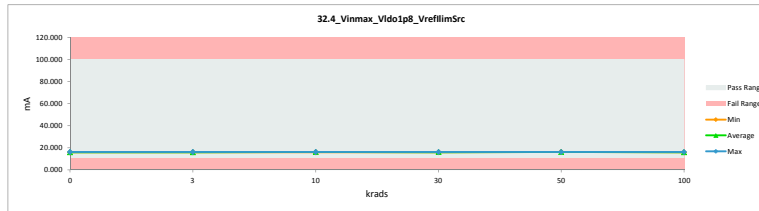


TID 100krad HDR Report
TPS7H3301-SP

32.4_Vinmax_Vldo1p8_VrefllimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	16.084	16.088	-0.004
3	A116_Biased	16.126	16.144	-0.018
3	A117_Biased	15.995	15.926	-0.031
3	B36_Biased	16.054	16.088	-0.034
3	B37_Biased	16.126	16.147	-0.021
3	C39_Biased	15.889	15.916	-0.027
3	A118_Unbiased	15.880	15.916	-0.036
3	A140_Unbiased	16.084	16.100	-0.016
3	B38_Unbiased	15.901	15.932	-0.031
3	B39_Unbiased	16.070	16.103	-0.033
3	C40_Unbiased	15.870	15.907	-0.037
10	A119_Biased	16.091	16.119	-0.028
10	A120_Biased	16.122	16.156	-0.034
10	B40_Biased	16.094	16.132	-0.038
10	C41_Biased	16.070	16.103	-0.033
10	C42_Biased	16.048	16.072	-0.024
10	A121_Unbiased	16.066	16.103	-0.037
10	A124_Unbiased	15.895	15.923	-0.028
10	B41_Unbiased	16.042	15.945	0.097
10	C43_Unbiased	16.110	16.119	-0.009
10	C44_Unbiased	16.122	16.135	-0.013
30	A125_Biased	16.129	16.169	-0.040
30	B42_Biased	16.101	16.119	-0.018
30	B43_Biased	16.063	16.097	-0.034
30	C45_Biased	16.057	16.088	-0.031
30	C46_Biased	16.032	15.935	0.097
30	A127_Unbiased	16.085	16.125	-0.040
30	B45_Unbiased	16.119	16.156	-0.037
30	B47_Unbiased	15.876	15.770	0.106
30	C47_Unbiased	16.020	15.913	0.107
30	C50_Unbiased	16.073	16.097	-0.024
50	A128_Biased	16.051	16.082	-0.031
50	A129_Biased	16.073	16.100	-0.027
50	B48_Biased	16.085	16.119	-0.034
50	B49_Biased	16.116	16.144	-0.028
50	C51_Biased	16.082	16.113	-0.031
50	A130_Unbiased	16.126	16.150	-0.024
50	A131_Unbiased	16.066	16.088	-0.022
50	B50_Unbiased	16.116	16.144	-0.028
50	B51_Unbiased	15.873	16.141	-0.268
50	C53_Unbiased	16.094	16.085	0.009
100	106_Corr	16.059	15.935	0.124
100	A132_Biased	16.042	16.082	-0.040
100	A134_Biased	16.057	16.147	-0.090
100	A135_Biased	16.057	15.935	0.122
100	B52_Biased	15.873	15.923	-0.050
100	B54_Biased	16.057	16.075	-0.018
100	B55_Biased	16.038	15.923	0.115
100	B56_Biased	16.098	16.144	-0.046
100	B57_Biased	16.032	15.932	0.100
100	B59_Biased	16.066	16.088	-0.022
100	B62_Biased	16.150	16.153	-0.003
100	B63_Biased	16.060	16.082	-0.022
100	B64_Biased	16.101	16.125	-0.024
100	B66_Biased	16.088	16.100	-0.012
100	B68_Biased	16.057	15.938	0.119
100	C54_Biased	16.082	16.097	-0.015
100	C55_Biased	15.898	15.916	-0.018
100	C56_Biased	16.035	15.938	0.097
100	C57_Biased	15.861	15.913	-0.052
100	C58_Biased	16.104	16.122	-0.018
100	C59_Biased	16.029	15.920	0.109
100	C65_Biased	16.048	15.916	0.132
100	C67_Biased	16.020	15.907	0.113
100	A122_Unbiased	16.101	16.135	-0.034
100	A138_Unbiased	15.901	15.929	-0.028
100	A139_Unbiased	16.051	16.082	-0.031
100	B60_Unbiased	16.088	16.116	-0.026
100	B61_Unbiased	16.066	16.088	-0.022
100	B69_Unbiased	16.116	16.097	0.019
100	B70_Unbiased	16.066	16.091	-0.025
100	B71_Unbiased	15.889	15.910	-0.021
100	B72_Unbiased	16.079	16.100	-0.021
100	B73_Unbiased	16.082	16.107	-0.025
100	B74_Unbiased	16.085	16.075	0.010
100	B77_Unbiased	16.070	16.107	-0.037
100	B78_Unbiased	16.088	16.128	-0.040
100	B79_Unbiased	16.048	16.075	-0.027
100	B80_Unbiased	16.066	16.091	-0.025
100	C70_Unbiased	16.045	15.904	0.141
100	C71_Unbiased	15.032	15.916	0.116
100	C72_Unbiased	16.026	15.910	0.116
100	C73_Unbiased	16.070	15.935	0.135
100	C75_Unbiased	15.873	15.764	0.109
100	C76_Unbiased	16.054	16.075	-0.021
100	C79_Unbiased	16.057	16.088	-0.031
	Max	16.150	16.169	0.141
	Average	16.044	16.043	0.000
	Min	15.861	15.764	-0.268
	Std Dev	0.076	0.100	0.066

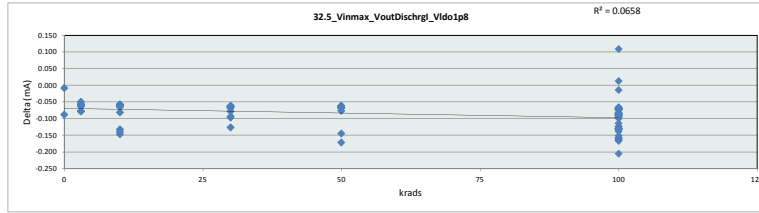


32.4_Vinmax_Vldo1p8_VrefllimSrc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	15.935	15.907	15.923	15.770	16.082	15.764
Average	16.012	16.018	16.081	16.047	16.117	16.025
Max	16.088	16.147	16.156	16.169	16.150	16.153
UL	100.000	100.000	100.000	100.000	100.000	100.000

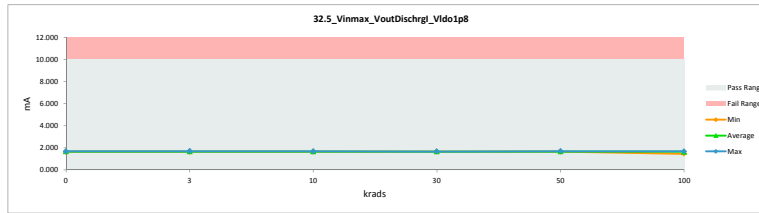


TID 100krad HDR Report
TPS7H3301-SP

32.5_Vinmax_VoutDischrgl_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.652	1.660	-0.008
3	A116_Biased	1.608	1.666	-0.058
3	A117_Biased	1.617	1.678	-0.061
3	B36_Biased	1.604	1.660	-0.056
3	B37_Biased	1.600	1.658	-0.058
3	C39_Biased	1.594	1.671	-0.077
3	A118_Unbiased	1.602	1.659	-0.057
3	A140_Unbiased	1.652	1.701	-0.049
3	B38_Unbiased	1.598	1.660	-0.062
3	B39_Unbiased	1.620	1.683	-0.063
3	C40_Unbiased	1.581	1.659	-0.078
10	A119_Biased	1.626	1.686	-0.060
10	A120_Biased	1.621	1.678	-0.057
10	B40_Biased	1.607	1.667	-0.060
10	C41_Biased	1.583	1.664	-0.081
10	C42_Biased	1.504	1.650	-0.146
10	A121_Unbiased	1.613	1.670	-0.057
10	A124_Unbiased	1.606	1.666	-0.060
10	B41_Unbiased	1.612	1.677	-0.065
10	C43_Unbiased	1.534	1.666	-0.132
10	C44_Unbiased	1.523	1.662	-0.139
30	A125_Biased	1.615	1.677	-0.062
30	B42_Biased	1.603	1.668	-0.065
30	B43_Biased	1.595	1.664	-0.069
30	C45_Biased	1.591	1.669	-0.078
30	C46_Biased	1.563	1.659	-0.096
30	A127_Unbiased	1.611	1.673	-0.062
30	B45_Unbiased	1.600	1.666	-0.066
30	B47_Unbiased	1.596	1.658	-0.062
30	C47_Unbiased	1.555	1.649	-0.094
30	C50_Unbiased	1.531	1.657	-0.126
50	A128_Biased	1.618	1.686	-0.068
50	A129_Biased	1.608	1.670	-0.062
50	B48_Biased	1.613	1.679	-0.066
50	B49_Biased	1.598	1.662	-0.064
50	C51_Biased	1.546	1.640	-0.144
50	A130_Unbiased	1.625	1.686	-0.061
50	A131_Unbiased	1.602	1.670	-0.068
50	B50_Unbiased	1.597	1.665	-0.068
50	B51_Unbiased	1.597	1.673	-0.076
50	C53_Unbiased	1.480	1.651	-0.171
0	106_Corr	1.597	1.685	-0.088
100	A132_Biased	1.602	1.671	-0.069
100	A134_Biased	1.607	1.594	0.013
100	A135_Biased	1.596	1.669	-0.069
100	B52_Biased	1.596	1.668	-0.072
100	B54_Biased	1.603	1.674	-0.071
100	B55_Biased	1.565	1.635	-0.070
100	B56_Biased	1.613	1.685	-0.072
100	B57_Biased	1.597	1.611	-0.014
100	B59_Biased	1.601	1.674	-0.073
100	B62_Biased	1.593	1.680	-0.087
100	B63_Biased	1.538	1.662	-0.124
100	B64_Biased	1.506	1.670	-0.164
100	B66_Biased	1.507	1.674	-0.167
100	B68_Biased	1.526	1.622	-0.096
100	C54_Biased	1.522	1.681	-0.159
100	C55_Biased	1.561	1.651	-0.090
100	C56_Biased	1.580	1.678	-0.098
100	C57_Biased	1.564	1.651	-0.087
100	C58_Biased	1.574	1.465	0.109
100	C59_Biased	1.577	1.664	-0.087
100	C65_Biased	1.570	1.661	-0.091
100	C67_Biased	1.558	1.650	-0.092
100	A122_Unbiased	1.614	1.681	-0.067
100	A138_Unbiased	1.599	1.665	-0.066
100	A139_Unbiased	1.610	1.680	-0.070
100	B60_Unbiased	1.516	1.671	-0.161
100	B61_Unbiased	1.536	1.667	-0.131
100	B69_Unbiased	1.516	1.645	-0.129
100	B70_Unbiased	1.536	1.668	-0.132
100	B71_Unbiased	1.580	1.654	-0.084
100	B72_Unbiased	1.593	1.674	-0.081
100	B73_Unbiased	1.508	1.622	-0.114
100	B74_Unbiased	1.545	1.668	-0.123
100	B77_Unbiased	1.521	1.659	-0.138
100	B78_Unbiased	1.595	1.683	-0.088
100	B79_Unbiased	1.537	1.670	-0.133
100	B80_Unbiased	1.580	1.664	-0.084
100	C70_Unbiased	1.500	1.657	-0.157
100	C71_Unbiased	1.460	1.665	-0.205
100	C72_Unbiased	1.541	1.671	-0.130
100	C73_Unbiased	1.520	1.671	-0.151
100	C75_Unbiased	1.566	1.664	-0.098
100	C76_Unbiased	1.589	1.674	-0.085
100	C79_Unbiased	1.594	1.686	-0.092
	Max	1.652	1.701	0.109
	Average	1.577	1.663	-0.087
	Min	1.460	1.465	-0.205
	Std Dev	0.040	0.027	0.044

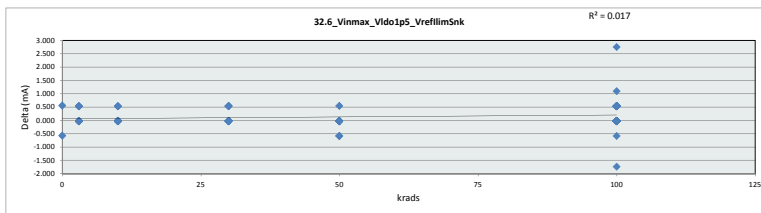


32.5_Vinmax_VoutDischrgl_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	10					
Min Limit	0					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.660	1.658	1.650	1.649	1.651	1.465
Average	1.673	1.670	1.669	1.664	1.673	1.658
Max	1.685	1.701	1.686	1.677	1.690	1.686
UL	10.000	10.000	10.000	10.000	10.000	10.000

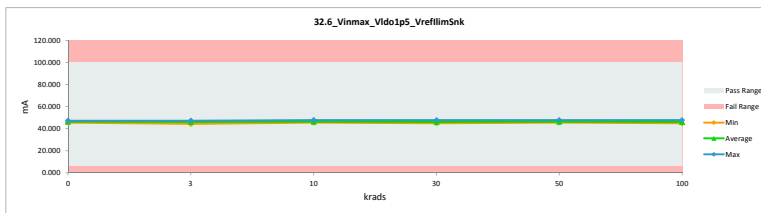


TID 100krad HDR Report
TPS7H3301-SP

32.6_Vinmax_Vldo1p5_Vrefllms				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	6	6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	46.507	47.077	-0.570
3	A116_Biased	47.061	46.529	0.532
3	A117_Biased	45.990	45.415	-0.025
3	B36_Biased	47.058	47.079	-0.021
3	B37_Biased	46.499	46.526	-0.027
3	C39_Biased	45.950	45.415	0.535
3	A118_Unbiased	45.942	45.965	-0.023
3	A140_Unbiased	46.507	45.969	0.538
3	B38_Unbiased	45.943	45.960	-0.017
3	B39_Unbiased	45.942	45.969	-0.027
3	C40_Unbiased	44.273	44.303	-0.030
10	A119_Biased	47.064	47.081	-0.017
10	A120_Biased	47.614	47.639	-0.025
10	B40_Biased	45.392	45.415	-0.023
10	C41_Biased	46.497	46.524	-0.027
10	C42_Biased	46.497	45.967	0.530
10	A121_Unbiased	45.950	45.969	-0.019
10	A124_Unbiased	45.391	45.405	-0.014
10	B41_Unbiased	45.387	45.417	-0.030
10	C43_Unbiased	46.504	46.532	-0.028
10	C44_Unbiased	46.504	45.969	0.535
30	A125_Biased	47.612	47.629	-0.016
30	B42_Biased	45.948	45.976	-0.028
30	B43_Biased	45.390	45.408	-0.018
30	C45_Biased	46.503	45.967	0.536
30	C46_Biased	45.383	44.850	0.533
30	A127_Unbiased	46.496	46.527	-0.031
30	B45_Unbiased	47.058	47.077	-0.019
30	B47_Unbiased	44.827	44.856	-0.029
30	C47_Unbiased	47.063	46.522	0.541
30	C50_Unbiased	44.839	44.855	-0.016
50	A128_Biased	46.496	46.523	-0.027
50	A129_Biased	47.608	47.630	-0.022
50	B48_Biased	44.831	45.414	-0.583
50	B49_Biased	47.055	47.082	-0.027
50	C51_Biased	46.504	46.529	-0.029
50	A130_Unbiased	45.387	45.420	-0.033
50	A131_Unbiased	47.052	47.077	-0.025
50	B50_Unbiased	46.500	46.527	-0.027
50	B51_Unbiased	45.389	45.970	-0.581
50	C53_Unbiased	46.507	45.965	0.542
0	106_Corr	45.959	45.404	0.555
100	A132_Biased	45.396	45.414	-0.018
100	A134_Biased	45.943	47.685	-1.742
100	A135_Biased	46.498	45.969	0.529
100	B52_Biased	45.389	45.973	-0.584
100	B54_Biased	45.941	45.967	-0.026
100	B55_Biased	45.954	45.407	0.547
100	B56_Biased	45.944	45.969	-0.025
100	B57_Biased	45.945	45.968	-0.023
100	B59_Biased	46.502	45.973	0.529
100	B62_Biased	47.059	47.085	-0.026
100	B63_Biased	45.949	45.970	-0.021
100	B64_Biased	47.059	46.529	0.530
100	B66_Biased	45.950	45.419	0.531
100	B68_Biased	45.389	44.859	0.530
100	C54_Biased	46.507	46.522	-0.015
100	C55_Biased	45.945	45.973	-0.028
100	C56_Biased	45.944	45.413	0.531
100	C57_Biased	45.383	45.413	-0.030
100	C58_Biased	45.946	45.970	-0.024
100	C59_Biased	45.946	45.966	-0.020
100	C65_Biased	45.946	45.414	0.532
100	C67_Biased	45.943	45.410	0.533
100	A122_Unbiased	47.063	47.075	-0.012
100	A138_Unbiased	46.496	46.526	-0.030
100	A139_Unbiased	46.500	46.528	-0.028
100	B60_Unbiased	47.614	44.861	2.753
100	B61_Unbiased	45.944	45.965	-0.021
100	B69_Unbiased	47.614	47.082	0.532
100	B70_Unbiased	45.944	45.416	0.528
100	B71_Unbiased	45.388	45.408	-0.020
100	B72_Unbiased	46.503	45.970	0.533
100	B73_Unbiased	46.501	46.522	-0.021
100	B74_Unbiased	47.059	46.527	0.532
100	B77_Unbiased	47.058	47.082	-0.024
100	B78_Unbiased	45.389	45.409	-0.020
100	B79_Unbiased	45.947	45.970	-0.023
100	B80_Unbiased	45.389	45.417	-0.028
100	C70_Unbiased	45.955	44.860	1.095
100	C71_Unbiased	45.395	44.855	0.540
100	C72_Unbiased	45.393	44.855	0.538
100	C73_Unbiased	45.955	45.415	0.540
100	C75_Unbiased	45.387	45.416	-0.029
100	C76_Unbiased	46.499	45.969	0.530
100	C79_Unbiased	45.942	45.961	-0.019
	Max	47.614	47.685	2.753
	Average	46.159	46.008	0.151
	Min	44.273	44.303	-1.742
	Std Dev	0.715	0.748	0.472

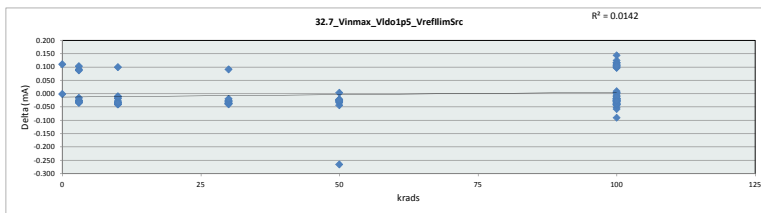


32.6_Vinmax_Vldo1p5_Vrefllms						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	6	mA				
krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	45.404	44.303	45.405	44.850	45.414	44.855
Average	46.241	45.913	46.192	45.967	46.414	45.894
Max	47.077	47.079	47.639	47.629	47.630	47.685
UL	100.000	100.000	100.000	100.000	100.000	100.000

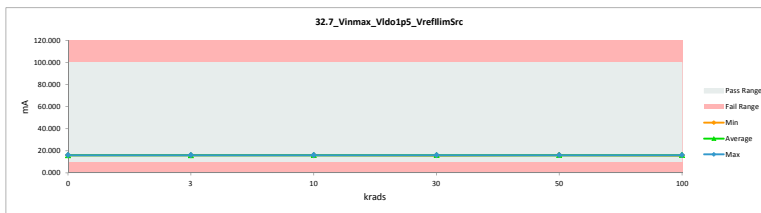


TID 100krad HDR Report
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32.7_Vinmax_Vldo1p5_VrefIlim				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	16.078	16.079	-0.001
3	A116_Biased	16.113	16.138	-0.025
3	A117_Biased	16.017	15.926	0.091
3	B36_Biased	16.045	16.079	-0.034
3	B37_Biased	16.122	16.147	-0.025
3	C39_Biased	16.013	15.910	0.103
3	A118_Unbiased	15.873	15.901	-0.028
3	A140_Unbiased	16.075	16.094	-0.016
3	B38_Unbiased	16.023	15.935	0.088
3	B39_Unbiased	16.070	16.100	-0.030
3	C40_Unbiased	15.867	15.901	-0.034
10	A119_Biased	16.073	16.113	-0.040
10	A130_Biased	16.054	16.138	-0.084
10	B40_Biased	16.085	16.125	-0.040
10	C41_Biased	16.070	16.097	-0.027
10	C42_Biased	16.042	16.060	-0.018
10	A121_Unbiased	16.054	16.094	-0.040
10	A124_Unbiased	16.020	15.920	0.100
10	B41_Unbiased	16.035	16.069	-0.034
10	C43_Unbiased	16.101	16.110	-0.009
10	C44_Unbiased	16.110	16.122	-0.012
30	A125_Biased	16.126	16.163	-0.037
30	B42_Biased	16.085	16.113	-0.028
30	B43_Biased	16.057	16.094	-0.037
30	C45_Biased	16.045	16.085	-0.040
30	C46_Biased	16.020	16.057	-0.037
30	A127_Unbiased	16.076	16.107	-0.031
30	B45_Unbiased	16.113	16.144	-0.031
30	B47_Unbiased	15.870	15.895	-0.025
30	C47_Unbiased	16.004	15.913	0.091
30	C50_Unbiased	16.066	16.085	-0.019
50	A128_Biased	16.042	16.072	-0.030
50	A129_Biased	16.066	16.091	-0.025
50	B48_Biased	16.073	16.116	-0.043
50	B49_Biased	16.113	16.135	-0.022
50	C51_Biased	16.066	16.100	-0.034
50	A130_Unbiased	16.119	16.147	-0.028
50	A131_Unbiased	16.060	16.082	-0.022
50	B50_Unbiased	16.107	16.132	-0.025
50	B51_Unbiased	15.867	16.132	-0.265
50	C53_Unbiased	16.079	16.075	0.004
0	106_Corr	16.043	15.932	0.111
100	A132_Biased	16.032	16.072	-0.040
100	A134_Biased	16.051	16.141	-0.090
100	A135_Biased	16.045	15.929	0.116
100	B52_Biased	15.861	15.913	-0.052
100	B54_Biased	16.051	16.082	-0.031
100	B55_Biased	16.023	15.916	0.107
100	B56_Biased	16.088	16.128	-0.040
100	B57_Biased	16.026	15.929	0.097
100	B59_Biased	16.057	16.088	-0.031
100	B62_Biased	16.141	16.141	0.000
100	B63_Biased	16.054	16.072	-0.018
100	B64_Biased	16.085	16.116	-0.028
100	B66_Biased	16.085	16.094	-0.009
100	B68_Biased	16.051	16.069	-0.018
100	C54_Biased	16.079	16.097	-0.018
100	C55_Biased	16.017	15.910	0.107
100	C56_Biased	16.029	16.097	-0.068
100	C57_Biased	15.855	15.913	-0.058
100	C58_Biased	16.088	16.110	-0.022
100	C59_Biased	16.023	15.920	0.103
100	C65_Biased	16.035	15.910	0.125
100	C67_Biased	16.010	15.895	0.115
100	A122_Unbiased	16.088	16.128	-0.040
100	A138_Unbiased	16.013	15.916	0.097
100	A139_Unbiased	16.045	16.069	-0.024
100	B60_Unbiased	16.101	16.097	0.004
100	B61_Unbiased	16.057	16.082	-0.025
100	B69_Unbiased	16.101	16.091	0.010
100	B70_Unbiased	16.057	16.082	-0.025
100	B71_Unbiased	15.870	15.913	-0.043
100	B72_Unbiased	16.076	16.094	-0.018
100	B73_Unbiased	16.073	16.100	-0.027
100	B74_Unbiased	16.076	16.072	0.004
100	B77_Unbiased	16.057	16.094	-0.037
100	B78_Unbiased	16.076	16.110	-0.034
100	B79_Unbiased	16.032	16.069	-0.037
100	B80_Unbiased	16.063	16.085	-0.022
100	C70_Unbiased	16.042	15.898	0.144
100	C71_Unbiased	16.029	15.913	0.116
100	C72_Unbiased	16.017	15.907	0.110
100	C73_Unbiased	16.054	16.060	-0.006
100	C75_Unbiased	15.864	15.761	0.103
100	C76_Unbiased	16.048	16.060	-0.012
100	C79_Unbiased	16.051	16.079	-0.028
	Max	16.141	16.163	0.144
	Average	16.044	16.046	-0.002
	Min	15.855	15.761	-0.265
	Std Dev	0.065	0.091	0.064

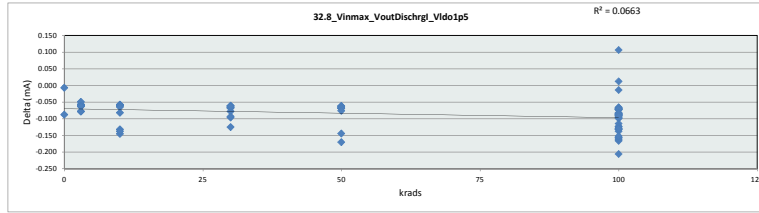


32.7_Vinmax_Vldo1p5_VrefIlim						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	15.932	15.901	15.920	15.895	16.072	15.761
Average	16.006	16.013	16.085	16.066	16.108	16.027
Max	16.079	16.147	16.138	16.163	16.147	16.141
UL	100.000	100.000	100.000	100.000	100.000	100.000

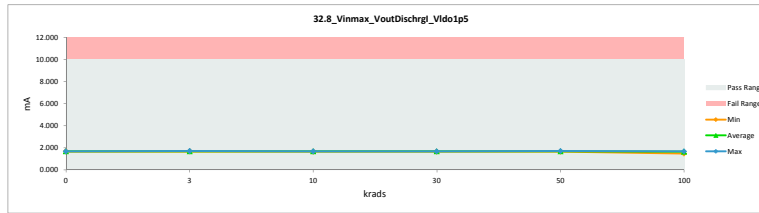


TID 100krad HDR Report
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32.8_Vinmax_VoutDischrgl_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.654	1.661	-0.007
3	A116_Biased	1.609	1.668	-0.059
3	A117_Biased	1.619	1.680	-0.061
3	B36_Biased	1.605	1.662	-0.057
3	B37_Biased	1.602	1.661	-0.059
3	C39_Biased	1.595	1.673	-0.078
3	A118_Unbiased	1.603	1.661	-0.058
3	A140_Unbiased	1.654	1.703	-0.049
3	B38_Unbiased	1.599	1.662	-0.063
3	B39_Unbiased	1.622	1.685	-0.063
3	C40_Unbiased	1.583	1.661	-0.078
10	A119_Biased	1.628	1.688	-0.060
10	A120_Biased	1.622	1.680	-0.058
10	B40_Biased	1.609	1.670	-0.061
10	C41_Biased	1.584	1.666	-0.082
10	C42_Biased	1.507	1.652	-0.145
10	A121_Unbiased	1.614	1.672	-0.058
10	A124_Unbiased	1.607	1.668	-0.061
10	B41_Unbiased	1.614	1.679	-0.065
10	C43_Unbiased	1.536	1.668	-0.132
10	C44_Unbiased	1.526	1.664	-0.138
30	A125_Biased	1.617	1.679	-0.062
30	B42_Biased	1.605	1.671	-0.066
30	B43_Biased	1.597	1.666	-0.069
30	C45_Biased	1.593	1.671	-0.078
30	C46_Biased	1.565	1.661	-0.096
30	A127_Unbiased	1.614	1.675	-0.061
30	B45_Unbiased	1.601	1.668	-0.067
30	B47_Unbiased	1.597	1.660	-0.063
30	C47_Unbiased	1.557	1.651	-0.094
30	C50_Unbiased	1.524	1.659	-0.125
50	A128_Biased	1.620	1.689	-0.069
50	A129_Biased	1.610	1.672	-0.062
50	B48_Biased	1.615	1.682	-0.067
50	B49_Biased	1.600	1.664	-0.064
50	C51_Biased	1.548	1.692	-0.144
50	A130_Unbiased	1.627	1.689	-0.062
50	A131_Unbiased	1.603	1.672	-0.069
50	B50_Unbiased	1.598	1.667	-0.069
50	B51_Unbiased	1.598	1.674	-0.076
50	C53_Unbiased	1.483	1.653	-0.170
0	106_Corr	1.599	1.687	-0.088
100	A132_Biased	1.604	1.673	-0.069
100	A134_Biased	1.608	1.596	0.012
100	A135_Biased	1.598	1.668	-0.070
100	B52_Biased	1.598	1.669	-0.071
100	B54_Biased	1.604	1.676	-0.072
100	B55_Biased	1.567	1.637	-0.070
100	B56_Biased	1.615	1.687	-0.072
100	B57_Biased	1.599	1.613	-0.014
100	B59_Biased	1.603	1.676	-0.073
100	B62_Biased	1.595	1.682	-0.087
100	B63_Biased	1.540	1.663	-0.123
100	B64_Biased	1.508	1.672	-0.164
100	B66_Biased	1.509	1.676	-0.167
100	B68_Biased	1.528	1.625	-0.097
100	C54_Biased	1.525	1.682	-0.157
100	C55_Biased	1.562	1.652	-0.090
100	C56_Biased	1.581	1.680	-0.099
100	C57_Biased	1.565	1.654	-0.089
100	C58_Biased	1.576	1.470	0.106
100	C59_Biased	1.580	1.666	-0.086
100	C65_Biased	1.572	1.663	-0.091
100	C67_Biased	1.560	1.652	-0.092
100	A122_Unbiased	1.616	1.683	-0.067
100	A138_Unbiased	1.601	1.667	-0.066
100	A139_Unbiased	1.611	1.682	-0.071
100	B60_Unbiased	1.518	1.679	-0.161
100	B61_Unbiased	1.538	1.669	-0.131
100	B69_Unbiased	1.518	1.646	-0.128
100	B70_Unbiased	1.538	1.670	-0.132
100	B71_Unbiased	1.582	1.666	-0.084
100	B72_Unbiased	1.594	1.676	-0.082
100	B73_Unbiased	1.510	1.625	-0.115
100	B74_Unbiased	1.547	1.670	-0.123
100	B77_Unbiased	1.523	1.661	-0.138
100	B78_Unbiased	1.597	1.685	-0.088
100	B79_Unbiased	1.540	1.672	-0.132
100	B80_Unbiased	1.581	1.666	-0.085
100	C70_Unbiased	1.503	1.659	-0.156
100	C71_Unbiased	1.462	1.668	-0.206
100	C72_Unbiased	1.544	1.673	-0.129
100	C73_Unbiased	1.522	1.674	-0.152
100	C75_Unbiased	1.568	1.665	-0.097
100	C76_Unbiased	1.590	1.676	-0.086
100	C78_Unbiased	1.595	1.688	-0.093
	Max	1.654	1.703	0.106
	Average	1.579	1.666	-0.087
	Min	1.462	1.470	-0.206
	Std Dev	0.040	0.027	0.043

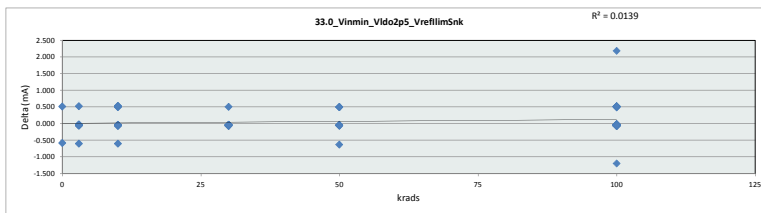


32.8_Vinmax_VoutDischrgl_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.661	1.661	1.652	1.651	1.653	1.470
Average	1.674	1.672	1.671	1.666	1.675	1.660
Max	1.687	1.703	1.688	1.679	1.692	1.688
UL	10.000	10.000	10.000	10.000	10.000	10.000

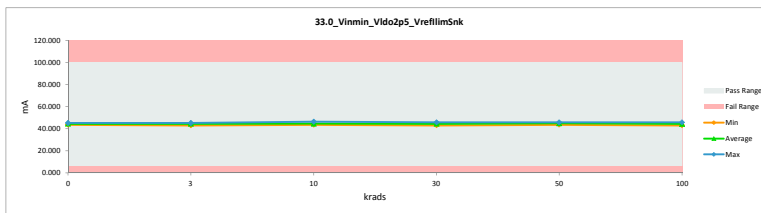


TID 100krad HDR Report
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33.0_Vinmin_Vido2p5_VrefIlimS				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	44.666	45.249	-0.583
3	A116_Biased	45.218	45.256	-0.038
3	A117_Biased	43.570	44.164	-0.594
3	B36_Biased	45.218	45.254	-0.036
3	B37_Biased	45.204	45.266	-0.062
3	C39_Unbiased	44.094	44.137	-0.043
3	A118_Unbiased	44.680	44.159	0.521
3	A140_Unbiased	44.666	44.687	-0.021
3	B38_Unbiased	44.095	44.146	-0.051
3	B39_Unbiased	44.102	44.134	-0.032
3	C40_Unbiased	42.983	43.020	-0.037
10	A119_Biased	45.206	45.246	-0.040
10	A120_Biased	44.992	46.394	-0.402
10	B40_Biased	44.111	44.156	-0.045
10	C41_Biased	45.232	44.717	0.515
10	C42_Biased	45.224	44.685	0.539
10	A121_Unbiased	44.098	44.142	-0.044
10	A124_Unbiased	44.112	43.615	0.497
10	B41_Unbiased	44.091	44.160	-0.069
10	C43_Unbiased	45.220	44.695	0.525
10	C44_Unbiased	44.679	44.706	-0.027
30	A125_Biased	45.764	45.816	-0.052
30	B42_Biased	44.656	44.727	-0.071
30	B43_Biased	43.567	43.602	-0.035
30	C45_Biased	44.648	44.693	-0.045
30	C46_Biased	43.546	43.574	-0.028
30	A127_Unbiased	45.207	45.264	-0.047
30	B45_Unbiased	45.210	45.255	-0.045
30	B47_Unbiased	43.534	43.598	-0.064
30	C47_Unbiased	45.206	45.246	-0.040
30	C50_Unbiased	43.541	43.531	0.010
50	A128_Biased	45.223	45.274	-0.051
50	A129_Biased	45.790	45.818	-0.028
50	B48_Biased	43.536	43.583	-0.047
50	B49_Biased	45.206	45.247	-0.041
50	C51_Biased	45.212	44.720	0.492
50	A130_Unbiased	44.102	44.152	-0.050
50	A131_Unbiased	45.778	45.276	0.502
50	B50_Unbiased	45.210	45.268	-0.058
50	B51_Unbiased	44.103	44.727	-0.624
50	C53_Unbiased	45.204	44.711	0.493
0	106_Corr	44.108	43.592	0.516
100	A132_Biased	43.540	43.583	-0.043
100	A134_Biased	44.651	45.847	-1.196
100	A135_Biased	44.662	44.709	-0.047
100	B52_Biased	44.104	44.136	-0.032
100	B54_Biased	44.117	44.137	-0.020
100	B55_Biased	44.093	44.167	-0.074
100	B56_Biased	44.661	44.698	-0.037
100	B57_Biased	44.096	44.143	-0.047
100	B59_Biased	44.667	44.698	-0.031
100	B62_Biased	45.767	45.259	0.508
100	B63_Biased	44.656	44.147	0.509
100	B64_Biased	45.216	45.257	-0.041
100	B66_Biased	44.126	44.167	-0.041
100	B68_Biased	43.555	43.594	-0.039
100	C54_Biased	45.216	44.698	0.518
100	C55_Biased	44.101	44.136	-0.035
100	C56_Biased	44.094	44.133	-0.039
100	C57_Biased	44.122	44.132	-0.010
100	C58_Biased	44.644	44.717	-0.073
100	C59_Biased	44.646	44.717	-0.071
100	C65_Biased	44.129	44.150	-0.021
100	C67_Biased	44.657	44.134	0.523
100	A122_Unbiased	45.209	45.259	-0.050
100	A138_Unbiased	45.211	45.261	-0.050
100	A139_Unbiased	44.665	44.689	-0.024
100	B60_Unbiased	45.772	43.585	2.187
100	B61_Unbiased	44.126	44.146	-0.020
100	B69_Unbiased	45.772	45.252	0.520
100	B70_Unbiased	44.126	44.137	-0.011
100	B71_Unbiased	43.556	43.591	-0.035
100	B72_Unbiased	44.655	44.696	-0.041
100	B73_Unbiased	45.198	45.267	-0.069
100	B74_Unbiased	45.761	45.249	0.512
100	B77_Unbiased	45.223	45.255	-0.032
100	B78_Unbiased	43.557	43.594	-0.037
100	B79_Unbiased	44.117	44.139	-0.022
100	B80_Unbiased	43.559	43.578	-0.019
100	C70_Unbiased	44.095	43.578	0.517
100	C71_Unbiased	44.092	43.578	0.514
100	C72_Unbiased	43.538	43.048	0.490
100	C73_Unbiased	44.100	43.586	0.514
100	C75_Unbiased	43.562	43.584	-0.022
100	C76_Unbiased	44.654	44.705	-0.051
100	C79_Unbiased	44.676	44.148	0.528
	Max	45.792	46.394	2.187
	Average	44.551	44.470	0.080
	Min	42.983	43.020	-1.196
	Std Dev	0.701	0.718	0.387

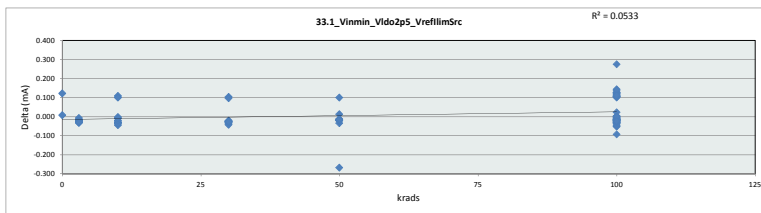


33.0_Vinmin_Vido2p5_VrefIlim						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	43.592	43.020	43.615	43.031	43.583	43.048
Average	44.421	44.422	44.652	44.480	44.878	44.347
Max	45.249	45.266	46.394	45.816	45.818	45.847
UL	100.000	100.000	100.000	100.000	100.000	100.000

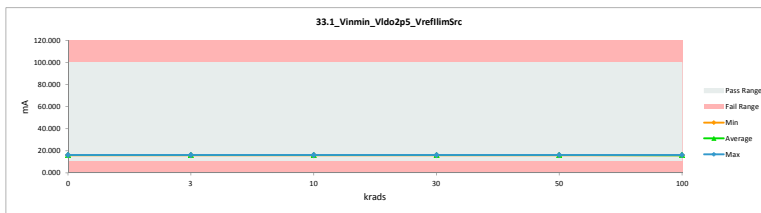


TID 100krad HDR Report
TPS7H3301-SP

33.1_Vinmin_Vido2p5_VrefIim5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	16.121	16.113	0.008
3	A116_Biased	16.160	16.178	-0.018
3	A117_Biased	15.926	15.957	-0.031
3	B36_Biased	16.091	16.113	-0.022
3	B37_Biased	16.166	16.184	-0.018
3	C39_Biased	15.923	15.945	-0.022
3	A118_Unbiased	15.908	15.941	-0.033
3	A140_Unbiased	16.121	16.128	-0.007
3	B38_Unbiased	15.933	15.957	-0.024
3	B39_Unbiased	16.104	16.132	-0.028
3	C40_Unbiased	15.905	15.935	-0.030
10	A119_Biased	16.116	16.160	-0.044
10	A120_Biased	16.160	16.191	-0.031
10	B40_Biased	16.126	16.156	-0.030
10	C41_Biased	16.107	16.138	-0.031
10	C42_Biased	16.085	15.976	0.109
10	A121_Unbiased	16.091	16.128	-0.037
10	A124_Unbiased	15.929	15.951	-0.022
10	B41_Unbiased	16.073	15.973	0.100
10	C43_Unbiased	16.147	16.150	-0.003
10	C44_Unbiased	16.154	16.162	-0.009
30	A125_Biased	16.172	16.206	-0.034
30	B42_Biased	16.129	16.150	-0.021
30	B43_Biased	16.098	16.125	-0.027
30	C45_Biased	16.085	16.116	-0.031
30	C46_Biased	16.066	15.963	0.103
30	A127_Unbiased	16.113	16.156	-0.043
30	B45_Unbiased	16.166	16.191	-0.025
30	B47_Unbiased	15.901	15.804	0.097
30	C47_Unbiased	15.923	15.951	-0.028
30	C50_Unbiased	16.104	16.132	-0.028
50	A128_Biased	16.079	15.979	0.100
50	A129_Biased	16.107	16.119	-0.012
50	B48_Biased	16.110	16.144	-0.034
50	B49_Biased	16.140	16.181	-0.021
50	C51_Biased	16.113	16.135	-0.022
50	A130_Unbiased	16.166	16.184	-0.018
50	A131_Unbiased	16.101	16.119	-0.018
50	B50_Unbiased	16.154	16.169	-0.015
50	B51_Unbiased	15.901	16.169	-0.268
50	C53_Unbiased	16.126	16.113	0.013
0	106_Corr	16.087	15.966	0.121
100	A132_Biased	16.079	15.979	0.100
100	A134_Biased	16.091	16.184	-0.093
100	A135_Biased	16.088	15.963	0.125
100	B52_Biased	15.901	15.951	-0.050
100	B54_Biased	16.094	15.976	0.118
100	B55_Biased	15.942	15.951	-0.009
100	B56_Biased	16.132	16.169	-0.037
100	B57_Biased	15.936	15.966	-0.030
100	B59_Biased	16.104	16.119	-0.015
100	B62_Biased	16.191	16.188	0.003
100	B63_Biased	16.091	15.985	0.106
100	B64_Biased	16.141	16.156	-0.015
100	B66_Biased	16.122	16.128	-0.006
100	B68_Biased	16.079	15.966	0.113
100	C54_Biased	16.119	16.135	-0.016
100	C55_Biased	15.926	15.948	-0.022
100	C56_Biased	16.070	15.963	0.107
100	C57_Biased	15.892	15.945	-0.053
100	C58_Biased	16.135	16.141	-0.006
100	C59_Biased	15.939	15.951	-0.012
100	C65_Biased	16.073	15.945	0.128
100	C67_Biased	15.929	15.807	0.122
100	A122_Unbiased	16.132	16.166	-0.034
100	A138_Unbiased	15.929	15.957	-0.028
100	A139_Unbiased	16.082	16.107	-0.025
100	B60_Unbiased	16.147	16.144	0.003
100	B61_Unbiased	16.104	16.122	-0.018
100	B69_Unbiased	16.147	16.125	0.022
100	B70_Unbiased	16.104	16.116	-0.012
100	B71_Unbiased	15.917	15.948	-0.031
100	B72_Unbiased	16.116	16.135	-0.019
100	B73_Unbiased	16.113	16.132	-0.019
100	B74_Unbiased	16.119	15.976	0.143
100	B77_Unbiased	16.094	16.138	-0.044
100	B78_Unbiased	16.122	16.153	-0.031
100	B79_Unbiased	16.073	15.969	0.104
100	B80_Unbiased	16.101	16.122	-0.021
100	C70_Unbiased	16.082	15.807	0.275
100	C71_Unbiased	16.070	15.945	0.125
100	C72_Unbiased	15.939	15.938	0.001
100	C73_Unbiased	16.101	15.963	0.138
100	C75_Unbiased	15.905	15.798	0.107
100	C76_Unbiased	16.088	15.976	0.112
100	C79_Unbiased	16.082	16.107	-0.025
	Max	16.191	16.206	0.275
	Average	16.068	16.058	0.010
	Min	15.892	15.798	-0.268
	Std Dev	0.086	0.108	0.073

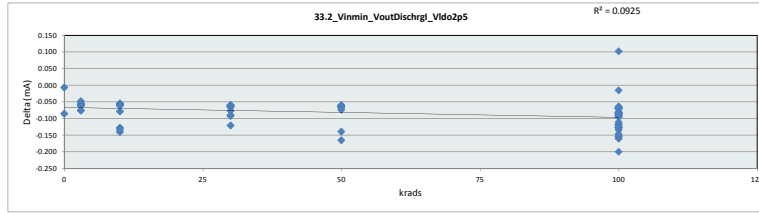


33.1_Vinmin_Vido2p5_VrefIim						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	15.966	15.935	15.951	15.804	15.979	15.798
Average	16.040	16.047	16.099	16.079	16.131	16.031
Max	16.113	16.184	16.191	16.206	16.184	16.188
UL	100.000	100.000	100.000	100.000	100.000	100.000

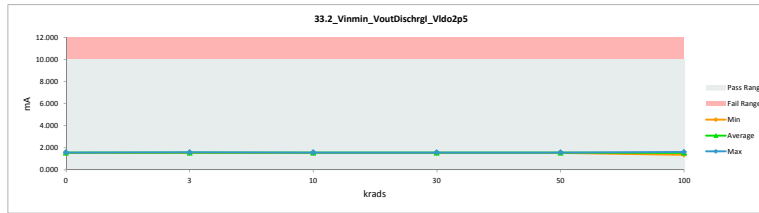


TID 100krad HDR Report
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33.2_Vinmin_VoutDischrgl_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.551	1.557	-0.006
3	A116_Biased	1.508	1.563	-0.055
3	A117_Biased	1.518	1.576	-0.058
3	B36_Biased	1.503	1.558	-0.055
3	B37_Biased	1.500	1.556	-0.056
3	C39_Biased	1.493	1.568	-0.075
3	A118_Unbiased	1.502	1.557	-0.055
3	A140_Unbiased	1.551	1.598	-0.047
3	B38_Unbiased	1.497	1.557	-0.060
3	B39_Unbiased	1.520	1.581	-0.061
3	C40_Unbiased	1.482	1.557	-0.075
10	A119_Biased	1.526	1.583	-0.057
10	A120_Biased	1.522	1.577	-0.055
10	B40_Biased	1.507	1.565	-0.058
10	C41_Biased	1.483	1.561	-0.078
10	C42_Biased	1.408	1.548	-0.140
10	A121_Unbiased	1.514	1.568	-0.054
10	A124_Unbiased	1.507	1.565	-0.058
10	B41_Unbiased	1.513	1.574	-0.061
10	C43_Unbiased	1.438	1.565	-0.127
10	C44_Unbiased	1.427	1.559	-0.132
30	A125_Biased	1.516	1.576	-0.060
30	B42_Biased	1.503	1.566	-0.063
30	B43_Biased	1.495	1.561	-0.066
30	C45_Biased	1.492	1.568	-0.076
30	C46_Biased	1.466	1.558	-0.092
30	A127_Unbiased	1.512	1.571	-0.059
30	B45_Unbiased	1.500	1.563	-0.063
30	B47_Unbiased	1.496	1.556	-0.060
30	C47_Unbiased	1.457	1.547	-0.090
30	C50_Unbiased	1.434	1.554	-0.120
50	A128_Biased	1.519	1.585	-0.066
50	A129_Biased	1.508	1.568	-0.060
50	B48_Biased	1.513	1.576	-0.063
50	B49_Biased	1.498	1.559	-0.061
50	C51_Biased	1.449	1.588	-0.139
50	A130_Unbiased	1.525	1.585	-0.060
50	A131_Unbiased	1.502	1.569	-0.067
50	B50_Unbiased	1.497	1.562	-0.065
50	B51_Unbiased	1.496	1.569	-0.073
50	C53_Biased	1.385	1.550	-0.165
0	106_Corr	1.497	1.582	-0.085
100	A132_Biased	1.503	1.570	-0.067
100	A134_Biased	1.508	1.624	-0.116
100	A135_Biased	1.498	1.646	-0.066
100	B52_Biased	1.496	1.565	-0.069
100	B54_Biased	1.502	1.571	-0.069
100	B55_Biased	1.470	1.537	-0.067
100	B56_Biased	1.513	1.582	-0.069
100	B57_Biased	1.497	1.512	-0.015
100	B59_Biased	1.500	1.571	-0.071
100	B62_Biased	1.493	1.577	-0.084
100	B63_Biased	1.440	1.559	-0.119
100	B64_Biased	1.409	1.568	-0.159
100	B66_Biased	1.411	1.571	-0.160
100	B68_Biased	1.429	1.522	-0.093
100	C54_Biased	1.426	1.579	-0.153
100	C55_Biased	1.461	1.548	-0.087
100	C56_Biased	1.480	1.575	-0.095
100	C57_Biased	1.465	1.550	-0.085
100	C58_Biased	1.475	1.373	0.102
100	C59_Biased	1.478	1.561	-0.083
100	C65_Biased	1.471	1.560	-0.089
100	C67_Biased	1.458	1.548	-0.090
100	A122_Unbiased	1.515	1.579	-0.064
100	A138_Unbiased	1.500	1.564	-0.064
100	A139_Unbiased	1.511	1.578	-0.067
100	B60_Unbiased	1.420	1.573	-0.153
100	B61_Unbiased	1.439	1.564	-0.125
100	B69_Unbiased	1.420	1.544	-0.124
100	B70_Unbiased	1.439	1.565	-0.126
100	B71_Unbiased	1.480	1.551	-0.081
100	B72_Unbiased	1.492	1.571	-0.079
100	B73_Unbiased	1.415	1.525	-0.110
100	B74_Unbiased	1.446	1.565	-0.119
100	B77_Unbiased	1.423	1.557	-0.134
100	B78_Unbiased	1.494	1.579	-0.085
100	B79_Unbiased	1.440	1.568	-0.128
100	B80_Unbiased	1.479	1.561	-0.082
100	C70_Unbiased	1.403	1.555	-0.152
100	C71_Unbiased	1.365	1.564	-0.199
100	C72_Unbiased	1.443	1.568	-0.125
100	C73_Unbiased	1.423	1.568	-0.145
100	C75_Unbiased	1.468	1.561	-0.093
100	C76_Unbiased	1.489	1.571	-0.082
100	C79_Unbiased	1.495	1.584	-0.089
	Max	1.551	1.624	0.102
	Average	1.478	1.563	-0.085
	Min	1.365	1.373	-0.199
	Std Dev	0.039	0.026	0.041

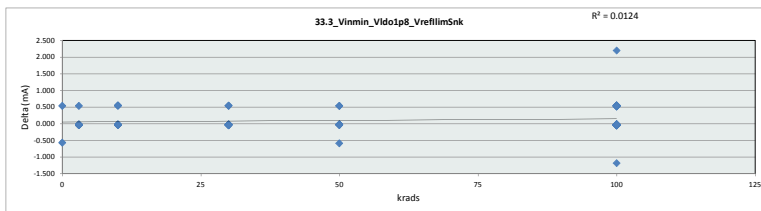


33.2_Vinmin_VoutDischrgl_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.557	1.556	1.548	1.547	1.550	1.373
Average	1.570	1.567	1.567	1.562	1.571	1.559
Max	1.982	1.998	1.983	1.976	1.988	1.624
UL	10.000	10.000	10.000	10.000	10.000	10.000

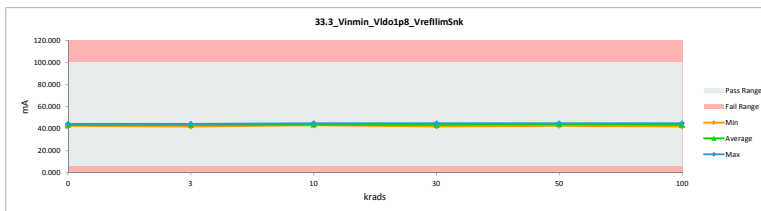


TID 100krad HDR Report
TPS7H3301-SP

33_3_Vinmin_Vido1p8_Vreflim5k				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	6	6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	43.674	44.246	-0.572
3	A116_Biased	44.215	44.255	-0.040
3	A117_Biased	43.136	43.161	-0.025
3	B36_Biased	44.221	44.249	-0.028
3	B37_Biased	44.230	44.271	-0.041
3	C39_Biased	43.109	43.148	-0.039
3	A118_Unbiased	43.687	43.148	0.539
3	A140_Unbiased	43.674	43.707	-0.033
3	B38_Unbiased	43.102	43.136	-0.034
3	B39_Unbiased	43.112	43.143	-0.031
3	C40_Unbiased	41.996	42.019	-0.023
10	A119_Biased	44.230	44.255	-0.025
10	A120_Biased	44.780	44.813	-0.033
10	B40_Biased	43.129	43.154	-0.025
10	C41_Biased	44.245	43.696	0.549
10	C42_Biased	44.240	43.694	0.546
10	A121_Unbiased	43.109	43.140	-0.031
10	A124_Unbiased	43.131	43.161	-0.030
10	B41_Unbiased	43.121	43.157	-0.036
10	C43_Unbiased	44.244	43.700	0.544
10	C44_Unbiased	43.674	43.711	-0.037
30	A125_Biased	44.786	44.810	-0.024
30	B42_Biased	43.687	43.148	0.539
30	B43_Biased	42.557	42.587	-0.030
30	C45_Biased	43.658	43.696	-0.038
30	C46_Biased	42.545	42.583	-0.038
30	A127_Unbiased	44.227	44.253	-0.026
30	B45_Unbiased	44.228	44.254	-0.026
30	B47_Unbiased	42.553	42.600	-0.047
30	C47_Unbiased	44.213	44.255	-0.042
30	C50_Unbiased	42.571	42.522	0.549
50	A128_Biased	44.246	44.271	-0.025
50	A129_Biased	44.775	44.797	-0.022
50	B48_Biased	42.561	42.587	-0.026
50	B49_Biased	44.223	44.253	-0.030
50	C51_Biased	44.239	43.699	0.540
50	A130_Unbiased	43.124	43.157	-0.033
50	A131_Unbiased	44.796	44.827	-0.031
50	B50_Unbiased	44.235	44.272	-0.037
50	B51_Unbiased	43.125	43.718	-0.593
50	C53_Biased	44.239	43.707	0.532
0	106_Corr	43.120	42.581	0.539
100	A132_Biased	42.553	42.586	-0.033
100	A134_Biased	43.671	44.857	-1.186
100	A135_Biased	43.642	43.710	-0.048
100	B52_Biased	43.130	43.145	-0.015
100	B54_Biased	43.113	43.145	-0.032
100	B55_Biased	43.113	43.160	-0.047
100	B56_Biased	43.685	43.708	-0.023
100	B57_Biased	43.105	43.134	-0.029
100	B59_Biased	43.665	43.700	-0.035
100	B62_Biased	44.797	44.250	0.547
100	B63_Biased	43.680	43.138	0.542
100	B64_Biased	44.225	44.271	-0.046
100	B66_Biased	43.117	43.164	-0.047
100	B68_Biased	42.549	42.600	-0.051
100	C54_Biased	44.243	43.697	0.546
100	C55_Biased	43.103	43.136	-0.033
100	C56_Biased	43.102	43.145	-0.043
100	C57_Biased	43.127	43.141	-0.014
100	C58_Biased	43.657	43.709	-0.052
100	C59_Biased	43.669	43.710	-0.041
100	C65_Biased	43.689	43.151	0.538
100	C67_Biased	43.681	43.137	0.544
100	A122_Unbiased	44.223	44.252	-0.029
100	A138_Unbiased	44.229	44.268	-0.039
100	A139_Unbiased	43.645	43.691	-0.026
100	B60_Unbiased	44.780	42.582	2.198
100	B61_Unbiased	43.693	43.136	0.557
100	B69_Unbiased	44.780	44.266	0.514
100	B70_Unbiased	43.693	43.148	0.545
100	B71_Unbiased	42.558	42.588	-0.030
100	B72_Unbiased	43.658	43.707	-0.049
100	B73_Unbiased	44.225	44.265	-0.040
100	B74_Unbiased	44.790	44.256	0.534
100	B77_Unbiased	44.221	44.253	-0.032
100	B78_Unbiased	42.551	42.583	-0.032
100	B79_Unbiased	43.109	43.140	-0.031
100	B80_Unbiased	42.552	42.589	-0.037
100	C70_Unbiased	43.113	42.593	0.520
100	C71_Unbiased	43.122	42.586	0.536
100	C72_Unbiased	42.551	42.032	0.519
100	C73_Unbiased	43.111	42.581	0.530
100	C75_Unbiased	42.554	42.580	-0.026
100	C76_Unbiased	43.656	43.709	-0.053
100	C79_Unbiased	43.117	43.140	-0.023
	Max	44.797	44.857	2.198
	Average	43.582	43.470	0.112
	Min	41.996	42.019	-1.186
	Std Dev	0.694	0.708	0.380

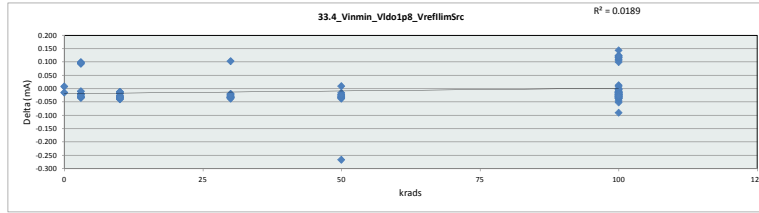


33_3_Vinmin_Vido1p8_Vreflim5k						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	6	mA				
krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	42.581	42.019	43.140	42.022	42.587	42.032
Average	43.414	43.424	43.648	43.421	43.929	43.349
Max	44.246	44.271	44.813	44.810	44.827	44.857
UL	100.000	100.000	100.000	100.000	100.000	100.000

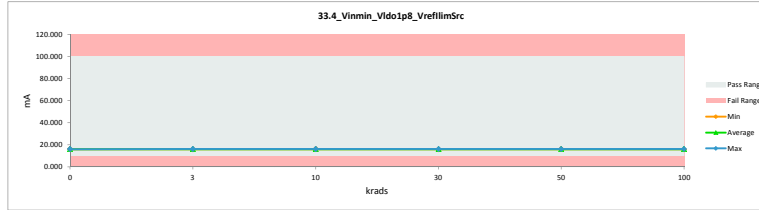


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33.4_Vinmin_Vido1p8_VrefIlimS				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	16.109	16.100	0.009
3	A116_Biased	16.141	16.163	-0.022
3	A117_Biased	16.048	16.082	-0.034
3	B36_Biased	16.073	16.103	-0.030
3	B37_Biased	16.150	16.169	-0.019
3	C39_Biased	16.038	15.938	0.100
3	A118_Unbiased	16.023	15.929	0.094
3	A140_Unbiased	16.109	16.119	-0.010
3	B38_Unbiased	16.048	16.082	-0.034
3	B39_Unbiased	16.094	16.122	-0.028
3	C40_Unbiased	16.023	15.926	0.097
10	A119_Biased	16.107	16.138	-0.031
10	A120_Biased	16.144	16.169	-0.025
10	B40_Biased	16.110	16.144	-0.034
10	C41_Biased	16.094	16.125	-0.031
10	C42_Biased	16.070	16.088	-0.018
10	A121_Unbiased	16.082	16.122	-0.040
10	A124_Unbiased	16.042	16.079	-0.037
10	B41_Unbiased	16.063	16.094	-0.031
10	C43_Unbiased	16.129	16.141	-0.012
10	C44_Unbiased	16.141	16.153	-0.012
30	A125_Biased	16.154	16.199	-0.045
30	B42_Biased	16.116	16.135	-0.019
30	B43_Biased	16.082	16.113	-0.031
30	C45_Biased	16.076	16.107	-0.031
30	C46_Biased	16.048	16.085	-0.037
30	A127_Unbiased	16.104	16.138	-0.034
30	B45_Unbiased	16.150	16.172	-0.022
30	B47_Unbiased	15.892	15.923	-0.031
30	C47_Unbiased	16.035	15.932	0.103
30	C50_Unbiased	16.091	16.116	-0.025
50	A128_Biased	16.063	16.100	-0.037
50	A129_Biased	16.094	16.110	-0.016
50	B48_Biased	16.101	16.135	-0.034
50	B49_Biased	16.138	16.160	-0.022
50	C51_Biased	16.098	16.125	-0.027
50	A130_Unbiased	16.147	16.178	-0.031
50	A131_Unbiased	16.085	16.116	-0.031
50	B50_Unbiased	16.132	16.156	-0.024
50	B51_Unbiased	15.889	16.156	-0.267
50	C53_Unbiased	16.113	16.103	0.010
0	106_Corr	16.074	16.088	-0.014
100	A132_Biased	16.057	16.094	-0.037
100	A134_Biased	16.082	16.172	-0.090
100	A135_Biased	16.076	16.085	-0.009
100	B52_Biased	15.892	15.938	-0.046
100	B54_Biased	16.079	16.094	-0.015
100	B55_Biased	16.051	15.941	0.110
100	B56_Biased	16.122	16.156	-0.034
100	B57_Biased	16.051	16.082	-0.031
100	B59_Biased	16.085	16.107	-0.022
100	B62_Biased	16.179	16.178	0.001
100	B63_Biased	16.079	16.100	-0.021
100	B64_Biased	16.119	16.144	-0.025
100	B66_Biased	16.113	16.122	-0.009
100	B68_Biased	16.070	16.091	-0.021
100	C54_Biased	16.104	16.119	-0.015
100	C55_Biased	16.045	15.938	0.107
100	C56_Biased	16.087	16.088	-0.002
100	C57_Biased	15.883	15.935	-0.052
100	C58_Biased	16.119	16.135	-0.016
100	C59_Biased	16.051	15.935	0.116
100	C65_Biased	16.040	15.935	0.105
100	C67_Biased	16.042	15.920	0.122
100	A122_Unbiased	16.126	16.147	-0.021
100	A138_Unbiased	16.045	16.072	-0.027
100	A139_Unbiased	16.070	16.100	-0.030
100	B60_Unbiased	16.129	16.132	-0.003
100	B61_Unbiased	16.088	16.100	-0.012
100	B69_Unbiased	16.129	16.116	0.013
100	B70_Unbiased	16.088	16.103	-0.015
100	B71_Unbiased	15.029	15.029	0.100
100	B72_Unbiased	16.098	16.125	-0.027
100	B73_Unbiased	16.101	16.125	-0.024
100	B74_Unbiased	16.104	16.094	0.010
100	B77_Unbiased	16.085	16.122	-0.037
100	B78_Unbiased	16.104	16.141	-0.037
100	B79_Unbiased	16.057	16.091	-0.034
100	B80_Unbiased	16.098	16.113	-0.015
100	C70_Unbiased	16.070	15.926	0.144
100	C71_Unbiased	16.051	15.935	0.116
100	C72_Unbiased	16.054	15.932	0.122
100	C73_Unbiased	16.088	16.091	-0.003
100	C75_Unbiased	15.889	15.920	-0.031
100	C76_Unbiased	16.073	16.091	-0.018
100	C79_Unbiased	16.076	16.103	-0.027
	Max	16.179	16.188	0.144
	Average	16.077	16.083	-0.006
	Min	15.883	15.920	-0.267
	Std Dev	0.058	0.080	0.059

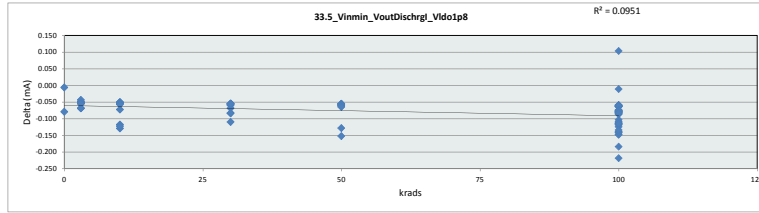


33.4_Vinmin_Vido1p8_VrefIlim						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	16.088	15.926	16.079	15.923	16.100	15.920
Average	16.094	16.063	16.125	16.091	16.134	16.064
Max	16.100	16.169	16.169	16.188	16.178	16.178
UL	100.000	100.000	100.000	100.000	100.000	100.000

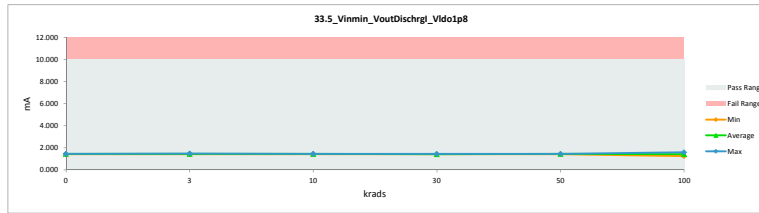


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33.5_Vinmin_VoutDischrng_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.415	1.421	-0.006
3	A116_Biased	1.375	1.425	-0.050
3	A117_Biased	1.388	1.441	-0.053
3	B36_Biased	1.372	1.422	-0.050
3	B37_Biased	1.368	1.419	-0.051
3	C39_Biased	1.360	1.429	-0.069
3	A118_Unbiased	1.372	1.421	-0.049
3	A140_Unbiased	1.415	1.459	-0.044
3	B38_Unbiased	1.365	1.419	-0.054
3	B39_Unbiased	1.388	1.443	-0.055
3	C40_Unbiased	1.352	1.421	-0.069
10	A119_Biased	1.394	1.446	-0.052
10	A120_Biased	1.391	1.441	-0.050
10	B40_Biased	1.374	1.427	-0.053
10	C41_Biased	1.350	1.422	-0.072
10	C42_Biased	1.281	1.410	-0.129
10	A121_Unbiased	1.381	1.431	-0.050
10	A124_Unbiased	1.376	1.429	-0.053
10	B41_Unbiased	1.380	1.437	-0.057
10	C43_Unbiased	1.311	1.429	-0.118
10	C44_Unbiased	1.300	1.422	-0.122
30	A125_Biased	1.383	1.438	-0.055
30	B42_Biased	1.371	1.428	-0.057
30	B43_Biased	1.364	1.424	-0.060
30	C45_Biased	1.361	1.430	-0.069
30	C46_Biased	1.337	1.421	-0.084
30	A127_Unbiased	1.381	1.435	-0.054
30	B45_Unbiased	1.369	1.426	-0.057
30	B47_Unbiased	1.365	1.420	-0.055
30	C47_Unbiased	1.327	1.410	-0.083
30	C50_Unbiased	1.305	1.415	-0.110
50	A128_Biased	1.388	1.448	-0.060
50	A129_Biased	1.376	1.431	-0.055
50	B48_Biased	1.380	1.437	-0.057
50	B49_Biased	1.365	1.421	-0.056
50	C51_Biased	1.322	1.450	-0.128
50	A130_Unbiased	1.394	1.449	-0.055
50	A131_Unbiased	1.372	1.434	-0.062
50	B50_Unbiased	1.365	1.424	-0.059
50	B51_Unbiased	1.365	1.430	-0.065
50	C53_Unbiased	1.261	1.413	-0.152
0	106_Corr	1.365	1.444	-0.079
100	A132_Biased	1.371	1.432	-0.061
100	A134_Biased	1.377	1.595	-0.218
100	A135_Biased	1.365	1.427	-0.062
100	B52_Biased	1.364	1.428	-0.064
100	B54_Biased	1.371	1.434	-0.063
100	B55_Biased	1.344	1.405	-0.061
100	B56_Biased	1.381	1.444	-0.063
100	B57_Biased	1.365	1.376	-0.011
100	B59_Biased	1.368	1.432	-0.064
100	B62_Biased	1.361	1.439	-0.078
100	B63_Biased	1.311	1.422	-0.111
100	B64_Biased	1.283	1.429	-0.146
100	B66_Biased	1.285	1.433	-0.148
100	B68_Biased	1.301	1.385	-0.084
100	C54_Biased	1.300	1.441	-0.141
100	C55_Biased	1.331	1.411	-0.080
100	C56_Biased	1.348	1.435	-0.087
100	C57_Biased	1.335	1.413	-0.078
100	C58_Biased	1.343	1.240	0.103
100	C59_Biased	1.345	1.422	-0.077
100	C65_Biased	1.340	1.422	-0.082
100	C67_Biased	1.329	1.410	-0.081
100	A122_Unbiased	1.383	1.442	-0.059
100	A138_Unbiased	1.370	1.429	-0.059
100	A139_Unbiased	1.380	1.442	-0.062
100	B60_Unbiased	1.296	1.435	-0.139
100	B61_Unbiased	1.311	1.427	-0.116
100	B69_Unbiased	1.296	1.410	-0.114
100	B70_Unbiased	1.311	1.428	-0.117
100	B71_Unbiased	1.349	1.424	-0.075
100	B72_Unbiased	1.360	1.433	-0.073
100	B73_Unbiased	1.292	1.395	-0.103
100	B74_Unbiased	1.318	1.427	-0.109
100	B77_Unbiased	1.296	1.420	-0.124
100	B78_Unbiased	1.362	1.441	-0.079
100	B79_Unbiased	1.312	1.431	-0.119
100	B80_Unbiased	1.347	1.423	-0.076
100	C70_Unbiased	1.275	1.416	-0.141
100	C71_Unbiased	1.264	1.426	-0.164
100	C72_Unbiased	1.314	1.429	-0.115
100	C73_Unbiased	1.294	1.428	-0.134
100	C75_Unbiased	1.338	1.423	-0.085
100	C76_Unbiased	1.355	1.430	-0.075
100	C78_Unbiased	1.363	1.445	-0.082
	Max	1.415	1.595	0.103
	Average	1.348	1.427	-0.079
	Min	1.242	1.240	-0.218
	Std Dev	0.036	0.030	0.041

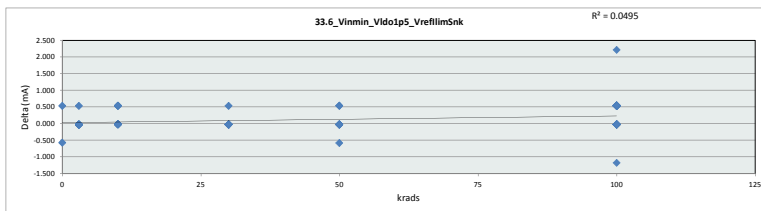


33.5_Vinmin_VoutDischrng_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mA				
Min Limit	0	mA				
krads	3	10	30	50	100	
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.421	1.419	1.410	1.410	1.413	1.240
Average	1.433	1.430	1.429	1.425	1.434	1.425
Max	1.444	1.459	1.446	1.438	1.450	1.595
UL	10.000	10.000	10.000	10.000	10.000	10.000

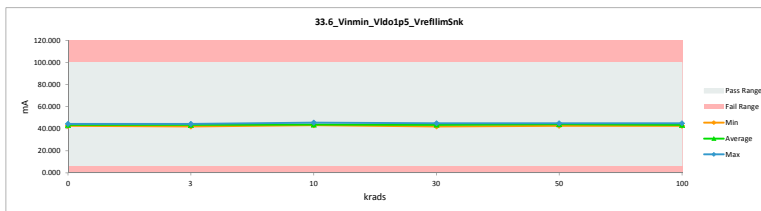


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33.6_Vinmin_Vido1p5_Vreflim5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	6	6		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	43.729	44.302	-0.573
3	A116_Biased	44.282	44.310	-0.028
3	A117_Biased	43.171	43.196	-0.025
3	B36_Biased	44.280	44.307	-0.027
3	B37_Biased	44.284	44.309	-0.025
3	C39_Unbiased	43.166	43.193	-0.027
3	A118_Unbiased	43.729	43.751	-0.022
3	A140_Unbiased	43.729	43.749	-0.020
3	B38_Unbiased	43.172	43.195	-0.023
3	B39_Unbiased	43.175	43.202	-0.027
3	C40_Unbiased	42.620	42.086	0.534
10	A119_Biased	44.281	44.307	-0.026
10	A120_Biased	45.404	45.419	-0.015
10	B40_Biased	43.178	43.191	-0.013
10	C41_Biased	44.286	44.310	-0.024
10	C42_Biased	44.287	43.752	0.535
10	A121_Unbiased	43.173	43.191	-0.018
10	A124_Unbiased	43.177	43.192	-0.015
10	B41_Unbiased	43.171	43.196	-0.025
10	C43_Unbiased	44.291	43.754	0.537
10	C44_Unbiased	44.297	43.750	0.547
30	A125_Biased	44.329	44.366	-0.038
30	B42_Biased	43.731	43.756	-0.025
30	B43_Biased	43.178	43.201	-0.023
30	C45_Biased	43.721	43.751	-0.030
30	C46_Biased	42.617	42.641	-0.024
30	A127_Unbiased	44.283	44.305	-0.023
30	B45_Unbiased	44.288	44.311	-0.023
30	B47_Unbiased	42.617	42.640	-0.023
30	C47_Unbiased	44.281	44.307	-0.026
30	C50_Unbiased	42.619	42.086	0.533
50	A128_Biased	44.288	44.309	-0.021
50	A129_Biased	45.405	44.863	0.542
50	B48_Biased	42.619	42.640	-0.021
50	B49_Biased	44.281	44.310	-0.029
50	C51_Biased	44.287	44.305	-0.018
50	A130_Unbiased	43.176	43.199	-0.023
50	A131_Unbiased	44.842	44.860	-0.018
50	B50_Unbiased	44.284	44.309	-0.025
50	B51_Unbiased	43.174	43.179	-0.005
50	C53_Unbiased	44.286	43.750	0.536
0	106_Corr	43.180	42.642	0.538
100	A132_Biased	42.618	42.644	-0.026
100	A134_Biased	43.727	44.898	-1.171
100	A135_Biased	43.729	43.752	-0.023
100	B52_Biased	43.172	43.195	-0.023
100	B54_Biased	43.732	43.199	0.533
100	B55_Biased	43.175	43.194	-0.019
100	B56_Biased	43.727	43.750	-0.023
100	B57_Biased	43.171	43.193	-0.022
100	B59_Biased	43.727	43.754	-0.027
100	B62_Biased	44.844	44.309	0.535
100	B63_Biased	43.731	43.196	0.535
100	B64_Biased	44.287	44.305	-0.018
100	B66_Biased	43.750	43.196	0.554
100	B68_Biased	42.621	42.639	-0.018
100	C54_Biased	44.290	43.756	0.534
100	C55_Biased	43.171	43.196	-0.025
100	C56_Biased	43.174	43.200	-0.026
100	C57_Biased	43.172	43.195	-0.023
100	C58_Biased	43.729	43.751	-0.022
100	C59_Biased	43.726	43.754	-0.028
100	C65_Biased	43.735	43.195	0.540
100	C67_Biased	43.725	43.190	0.535
100	A122_Unbiased	44.286	44.302	-0.016
100	A138_Unbiased	44.281	44.306	-0.025
100	A139_Unbiased	44.293	43.750	0.543
100	B60_Unbiased	44.845	44.863	2.212
100	B61_Unbiased	43.739	43.193	0.546
100	B69_Unbiased	44.845	44.305	0.540
100	B70_Unbiased	43.739	43.196	0.543
100	B71_Unbiased	43.174	43.205	-0.031
100	B72_Unbiased	43.727	43.749	-0.022
100	B73_Unbiased	44.286	44.300	-0.014
100	B74_Unbiased	44.843	44.304	0.539
100	B77_Unbiased	44.289	44.309	-0.020
100	B78_Unbiased	43.185	43.208	-0.023
100	B79_Unbiased	43.734	43.199	0.535
100	B80_Unbiased	43.184	42.633	0.551
100	C70_Unbiased	43.176	42.641	0.535
100	C71_Unbiased	43.178	42.641	0.537
100	C72_Unbiased	42.618	42.644	-0.026
100	C73_Unbiased	43.175	42.641	0.534
100	C75_Unbiased	43.179	42.634	0.545
100	C76_Unbiased	43.727	43.747	-0.020
100	C79_Unbiased	43.734	43.192	0.542
	Max	45.405	45.419	2.212
	Average	43.731	43.577	0.153
	Min	42.617	42.086	-1.171
	Std Dev	0.666	0.700	0.388

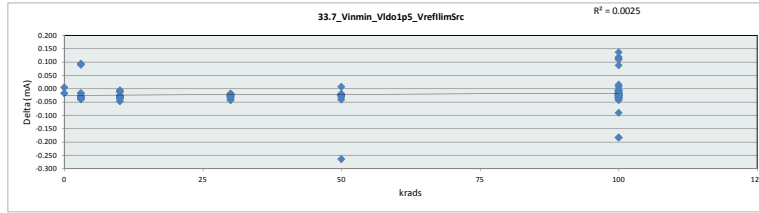


33.6_Vinmin_Vido1p5_Vreflim5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	6	mA				
krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	42.642	42.086	43.191	42.086	42.640	42.633
Average	43.472	43.530	43.806	43.586	44.029	43.436
Max	44.302	44.310	45.419	44.866	44.863	44.898
UL	100.000	100.000	100.000	100.000	100.000	100.000

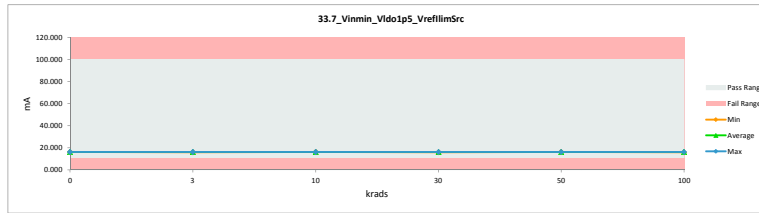


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33.7_Vinmin_Vido1p5_VrefIlimS				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	16.099	16.094	0.005
3	A116_Biased	16.138	16.156	-0.018
3	A117_Biased	16.038	16.069	-0.031
3	B36_Biased	16.063	16.094	-0.031
3	B37_Biased	16.138	16.166	-0.028
3	C39_Biased	16.026	16.066	-0.040
3	A118_Unbiased	16.020	15.926	0.094
3	A140_Unbiased	16.099	16.116	-0.017
3	B38_Unbiased	16.042	16.072	-0.030
3	B39_Unbiased	16.085	16.122	-0.037
3	C40_Unbiased	16.010	15.920	0.090
10	A119_Biased	16.094	16.141	-0.047
10	A120_Biased	16.135	16.169	-0.034
10	B40_Biased	16.104	16.138	-0.034
10	C41_Biased	16.085	16.116	-0.031
10	C42_Biased	16.060	16.085	-0.025
10	A121_Unbiased	16.076	16.113	-0.037
10	A124_Unbiased	16.035	16.066	-0.031
10	B41_Unbiased	16.057	16.085	-0.028
10	C43_Unbiased	16.116	16.128	-0.012
10	C44_Unbiased	16.132	16.138	-0.006
30	A125_Biased	16.141	16.184	-0.043
30	B42_Biased	16.110	16.128	-0.018
30	B43_Biased	16.079	16.107	-0.028
30	C45_Biased	16.063	16.094	-0.031
30	C46_Biased	16.048	16.072	-0.024
30	A127_Unbiased	16.094	16.132	-0.038
30	B45_Unbiased	16.132	16.163	-0.031
30	B47_Unbiased	15.886	15.910	-0.024
30	C47_Unbiased	16.029	16.057	-0.028
30	C50_Unbiased	16.082	16.107	-0.025
50	A128_Biased	16.060	16.091	-0.031
50	A129_Biased	16.082	16.107	-0.025
50	B48_Biased	16.091	16.132	-0.041
50	B49_Biased	16.129	16.153	-0.024
50	C51_Biased	16.094	16.113	-0.019
50	A130_Unbiased	16.138	16.163	-0.025
50	A131_Unbiased	16.076	16.097	-0.021
50	B50_Unbiased	16.129	16.153	-0.024
50	B51_Unbiased	15.886	16.150	-0.264
50	C53_Unbiased	16.101	16.094	0.007
0	106_Corr	16.065	16.082	-0.017
100	A132_Biased	16.054	16.094	-0.040
100	A134_Biased	16.066	16.156	-0.090
100	A135_Biased	16.046	16.079	-0.033
100	B52_Biased	15.883	16.066	-0.183
100	B54_Biased	16.073	16.091	-0.018
100	B55_Biased	16.045	16.066	-0.021
100	B56_Biased	16.110	16.147	-0.037
100	B57_Biased	16.042	16.075	-0.033
100	B59_Biased	16.079	16.107	-0.028
100	B62_Biased	16.163	16.166	-0.003
100	B63_Biased	16.076	16.094	-0.018
100	B64_Biased	16.110	16.132	-0.022
100	B66_Biased	16.098	16.110	-0.012
100	B68_Biased	16.057	16.085	-0.028
100	C54_Biased	16.098	16.107	-0.009
100	C55_Biased	16.035	16.069	-0.034
100	C56_Biased	16.051	16.085	-0.034
100	C57_Biased	15.873	16.057	-0.184
100	C58_Biased	16.107	16.132	-0.025
100	C59_Biased	16.048	16.066	-0.018
100	C65_Biased	16.060	16.066	-0.006
100	C67_Biased	16.032	15.913	0.119
100	A122_Unbiased	16.116	16.141	-0.025
100	A138_Unbiased	16.035	16.066	-0.031
100	A139_Unbiased	16.063	16.088	-0.025
100	B60_Unbiased	16.096	16.126	0.010
100	B61_Unbiased	16.079	16.094	-0.015
100	B69_Unbiased	16.126	16.110	0.016
100	B70_Unbiased	16.079	16.100	-0.021
100	B71_Unbiased	16.020	15.932	0.088
100	B72_Unbiased	16.088	16.113	-0.025
100	B73_Unbiased	16.091	16.122	-0.031
100	B74_Unbiased	16.094	16.085	0.009
100	B77_Unbiased	16.076	16.119	-0.043
100	B78_Unbiased	16.098	16.132	-0.034
100	B79_Unbiased	16.051	16.085	-0.034
100	B80_Unbiased	16.085	16.103	-0.018
100	C70_Unbiased	16.057	15.920	0.137
100	C71_Unbiased	16.042	16.060	-0.018
100	C72_Unbiased	16.038	15.929	0.109
100	C73_Unbiased	16.076	16.082	-0.006
100	C75_Unbiased	16.020	15.907	0.113
100	C76_Unbiased	16.063	16.082	-0.019
100	C79_Unbiased	16.066	16.091	-0.025
	Max	16.163	16.184	0.137
	Average	16.070	16.090	-0.020
	Min	15.873	15.907	-0.264
	Std Dev	0.054	0.063	0.054

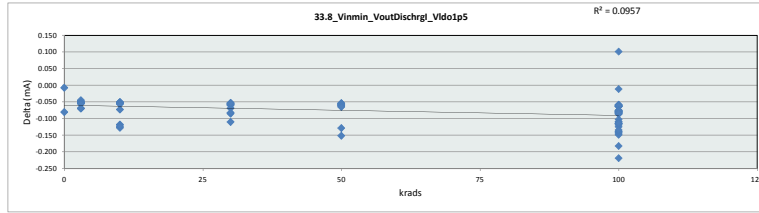


33.7_Vinmin_Vido1p5_VrefIlim						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	16.082	15.920	16.066	15.910	16.091	15.907
Average	16.088	16.071	16.118	16.095	16.125	16.078
Max	16.094	16.166	16.169	16.184	16.163	16.166
UL	100.000	100.000	100.000	100.000	100.000	100.000

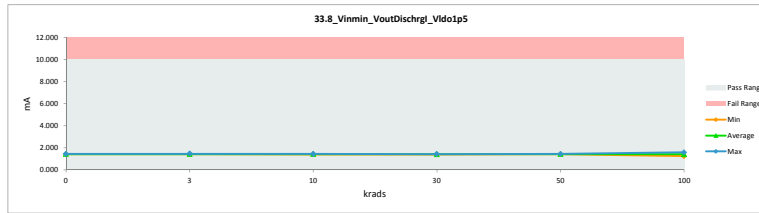


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33.8_Vinmin_VoutDischrgl_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	1.416	1.423	-0.007
3	A116_Biased	1.376	1.427	-0.051
3	A117_Biased	1.390	1.442	-0.052
3	B36_Biased	1.374	1.423	-0.049
3	B37_Biased	1.369	1.420	-0.051
3	C39_Unbiased	1.361	1.431	-0.070
3	A118_Unbiased	1.373	1.423	-0.050
3	A140_Unbiased	1.416	1.461	-0.045
3	B38_Unbiased	1.367	1.420	-0.053
3	B39_Unbiased	1.389	1.444	-0.055
3	C40_Unbiased	1.353	1.422	-0.069
10	A119_Biased	1.396	1.448	-0.052
10	A120_Biased	1.392	1.442	-0.050
10	B40_Biased	1.376	1.428	-0.052
10	C41_Biased	1.351	1.423	-0.072
10	C42_Biased	1.284	1.411	-0.127
10	A121_Unbiased	1.383	1.433	-0.050
10	A124_Unbiased	1.378	1.431	-0.053
10	B41_Unbiased	1.382	1.438	-0.056
10	C43_Unbiased	1.313	1.431	-0.118
10	C44_Unbiased	1.302	1.424	-0.122
30	A125_Biased	1.385	1.440	-0.055
30	B42_Biased	1.372	1.430	-0.058
30	B43_Biased	1.366	1.426	-0.060
30	C45_Biased	1.362	1.431	-0.069
30	C46_Biased	1.338	1.423	-0.085
30	A127_Unbiased	1.384	1.436	-0.052
30	B45_Unbiased	1.370	1.427	-0.057
30	B47_Unbiased	1.367	1.421	-0.054
30	C47_Unbiased	1.329	1.411	-0.082
30	C50_Unbiased	1.307	1.417	-0.110
50	A128_Biased	1.389	1.450	-0.061
50	A129_Biased	1.379	1.432	-0.053
50	B48_Biased	1.382	1.439	-0.057
50	B49_Biased	1.367	1.423	-0.056
50	C51_Biased	1.324	1.452	-0.128
50	A130_Unbiased	1.396	1.450	-0.054
50	A131_Unbiased	1.374	1.436	-0.062
50	B50_Unbiased	1.367	1.426	-0.059
50	B51_Unbiased	1.367	1.432	-0.065
50	C53_Unbiased	1.263	1.414	-0.151
0	106_Corr	1.365	1.445	-0.080
100	A132_Biased	1.373	1.433	-0.060
100	A134_Biased	1.378	1.596	-0.218
100	A135_Biased	1.367	1.429	-0.062
100	B52_Biased	1.366	1.429	-0.063
100	B54_Biased	1.373	1.435	-0.062
100	B55_Biased	1.345	1.407	-0.062
100	B56_Biased	1.382	1.445	-0.063
100	B57_Biased	1.367	1.378	-0.011
100	B59_Biased	1.370	1.434	-0.064
100	B62_Biased	1.363	1.441	-0.078
100	B63_Biased	1.313	1.423	-0.110
100	B64_Biased	1.286	1.431	-0.145
100	B66_Biased	1.287	1.435	-0.148
100	B68_Biased	1.303	1.387	-0.084
100	C54_Biased	1.302	1.443	-0.141
100	C55_Biased	1.332	1.412	-0.080
100	C56_Biased	1.350	1.426	-0.086
100	C57_Biased	1.336	1.416	-0.080
100	C58_Biased	1.345	1.244	0.101
100	C59_Biased	1.347	1.424	-0.077
100	C65_Biased	1.342	1.424	-0.082
100	C67_Biased	1.330	1.412	-0.082
100	A122_Unbiased	1.385	1.443	-0.058
100	A138_Unbiased	1.372	1.430	-0.058
100	A139_Unbiased	1.382	1.443	-0.061
100	B60_Unbiased	1.298	1.436	-0.138
100	B61_Unbiased	1.313	1.428	-0.115
100	B69_Unbiased	1.298	1.412	-0.114
100	B70_Unbiased	1.313	1.429	-0.116
100	B71_Unbiased	1.350	1.426	-0.076
100	B72_Unbiased	1.361	1.435	-0.074
100	B73_Unbiased	1.294	1.396	-0.102
100	B74_Unbiased	1.320	1.429	-0.109
100	B77_Unbiased	1.298	1.422	-0.124
100	B78_Unbiased	1.364	1.442	-0.078
100	B79_Unbiased	1.314	1.433	-0.119
100	B80_Unbiased	1.348	1.425	-0.077
100	C70_Unbiased	1.277	1.417	-0.140
100	C71_Unbiased	1.245	1.427	-0.182
100	C72_Unbiased	1.316	1.430	-0.114
100	C73_Unbiased	1.296	1.430	-0.134
100	C75_Unbiased	1.339	1.425	-0.086
100	C76_Unbiased	1.357	1.432	-0.075
100	C79_Unbiased	1.344	1.447	-0.083
	Max	1.416	1.596	0.101
	Average	1.349	1.429	-0.079
	Min	1.245	1.244	-0.218
	Std Dev	0.036	0.030	0.041

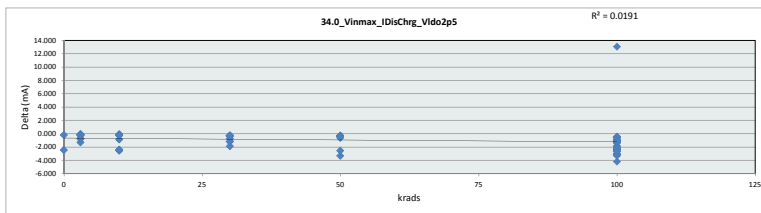


33.8_Vinmin_VoutDischr_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.423	1.420	1.411	1.411	1.414	1.244
Average	1.434	1.431	1.431	1.426	1.435	1.426
Max	1.445	1.461	1.448	1.440	1.452	1.596
UL	10.000	10.000	10.000	10.000	10.000	10.000

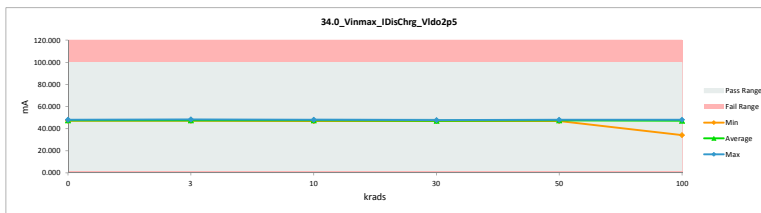


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34.0_Vinmax_IDisChrg_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	47.021	47.201	-0.180
3	A116_Biased	47.195	47.321	-0.126
3	A117_Biased	47.495	47.548	-0.053
3	B36_Biased	47.018	47.178	-0.160
3	B37_Biased	46.974	47.170	-0.196
3	C39_Biased	46.672	47.428	-0.756
3	A118_Unbiased	47.044	47.140	-0.096
3	A140_Unbiased	47.021	48.330	-1.309
3	B38_Unbiased	46.934	47.192	-0.258
3	B39_Unbiased	47.553	47.802	-0.249
3	C40_Unbiased	46.335	47.078	-0.743
10	A119_Biased	47.720	47.906	-0.186
10	A120_Biased	47.584	47.701	-0.117
10	B40_Biased	47.184	47.380	-0.196
10	C41_Biased	46.307	47.176	-0.869
10	C42_Biased	44.234	46.807	-2.573
10	A121_Unbiased	47.330	47.452	-0.122
10	A124_Unbiased	47.167	47.357	-0.190
10	B41_Unbiased	47.370	47.608	-0.238
10	C43_Unbiased	44.961	47.348	-2.387
10	C44_Unbiased	44.835	47.227	-2.392
30	A125_Biased	47.425	47.669	-0.244
30	B42_Biased	47.102	47.434	-0.332
30	B43_Biased	46.895	47.257	-0.362
30	C45_Biased	46.734	47.449	-0.715
30	C46_Biased	45.939	47.157	-1.218
30	A127_Unbiased	47.272	47.549	-0.277
30	B45_Unbiased	46.982	47.329	-0.347
30	B47_Unbiased	46.809	47.171	-0.362
30	C47_Unbiased	45.678	46.850	-1.172
30	C50_Unbiased	45.107	46.098	-0.991
50	A128_Biased	47.533	47.934	-0.401
50	A129_Biased	47.199	47.484	-0.285
50	B48_Biased	47.260	47.653	-0.393
50	B49_Biased	46.911	47.231	-0.320
50	C51_Biased	45.444	47.984	-2.540
50	A130_Unbiased	47.723	48.013	-0.290
50	A131_Unbiased	47.112	47.519	-0.407
50	B50_Unbiased	46.944	47.338	-0.394
50	B51_Unbiased	46.842	47.476	-0.634
50	C53_Unbiased	43.555	46.893	-3.338
0	106_Corr	45.470	47.903	-2.433
100	A132_Biased	47.063	47.570	-0.507
100	A134_Biased	47.173	34.124	13.049
100	A135_Biased	46.838	47.424	-0.586
100	B52_Biased	46.850	47.396	-0.546
100	B54_Biased	46.995	47.557	-0.562
100	B55_Biased	46.070	46.616	-0.546
100	B56_Biased	47.369	47.910	-0.541
100	B57_Biased	46.892	47.453	-0.561
100	B59_Biased	47.057	47.637	-0.580
100	B62_Biased	46.586	47.831	-1.245
100	B63_Biased	44.982	47.337	-2.355
100	B64_Biased	44.448	47.497	-3.049
100	B66_Biased	44.318	47.655	-3.337
100	B68_Biased	44.931	47.424	-2.493
100	C54_Biased	44.654	47.787	-3.133
100	C55_Biased	45.770	46.947	-1.177
100	C56_Biased	46.215	47.435	-1.220
100	C57_Biased	45.870	46.998	-1.128
100	C58_Biased	46.132	47.199	-1.067
100	C59_Biased	46.205	47.324	-1.119
100	C65_Biased	45.073	47.270	-1.197
100	C67_Biased	45.613	46.919	-1.306
100	A122_Unbiased	47.357	47.820	-0.463
100	A138_Unbiased	46.907	47.403	-0.496
100	A139_Unbiased	47.373	47.829	-0.456
100	B60_Unbiased	44.649	47.640	-3.041
100	B61_Unbiased	45.036	47.375	-2.339
100	B69_Unbiased	44.649	46.859	-2.210
100	B70_Unbiased	45.036	47.429	-2.393
100	B71_Unbiased	46.386	47.297	-0.911
100	B72_Unbiased	46.742	47.631	-0.889
100	B73_Unbiased	44.403	46.234	-1.831
100	B74_Unbiased	45.438	47.398	-1.960
100	B77_Unbiased	44.650	47.282	-2.632
100	B78_Unbiased	46.701	47.783	-1.082
100	B79_Unbiased	45.141	47.509	-2.368
100	B80_Unbiased	46.250	47.294	-1.044
100	C70_Unbiased	43.934	47.096	-3.162
100	C71_Unbiased	43.062	47.261	-4.199
100	C72_Unbiased	45.297	47.433	-2.136
100	C73_Unbiased	44.779	47.471	-2.692
100	C75_Unbiased	46.069	47.228	-1.159
100	C76_Unbiased	46.538	47.568	-1.030
100	C78_Unbiased	46.697	47.892	-1.195
	Max	47.723	48.330	13.049
	Average	46.245	47.255	-1.010
	Min	43.062	34.124	-4.199
	Std Dev	1.103	1.471	1.835

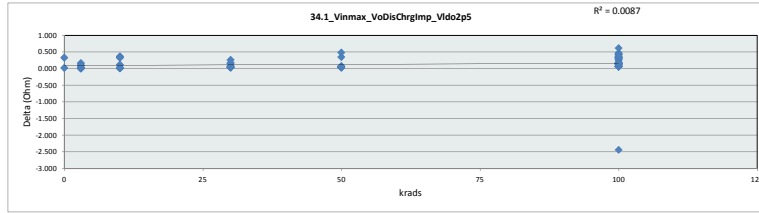


34.0_Vinmax_IDisChrg_Vldo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	100					
Min Limit	1					
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	47.201	47.078	46.807	46.850	46.893	34.124
Average	47.552	47.419	47.396	47.286	47.553	47.098
Max	47.903	48.330	47.906	47.669	48.013	47.910
UL	100.000	100.000	100.000	100.000	100.000	100.000

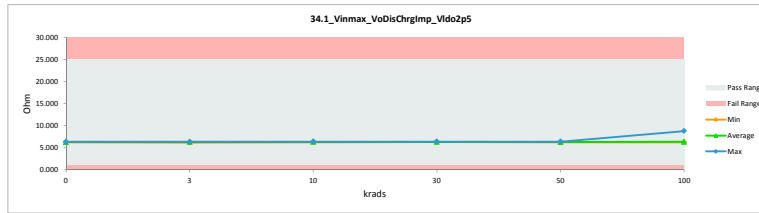


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34.1_Vinmax_VoDisChrgImp_Vic				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
Krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	6.380	6.356	0.024
3	A116_Biased	6.357	6.340	0.017
3	A117_Biased	6.317	6.309	0.008
3	B36_Biased	6.381	6.359	0.022
3	B37_Biased	6.386	6.360	0.026
3	C39_Biased	6.428	6.325	0.103
3	A118_Unbiased	6.377	6.364	0.013
3	A140_Unbiased	6.380	6.207	0.173
3	B38_Unbiased	6.392	6.357	0.035
3	B39_Unbiased	6.309	6.276	0.033
3	C40_Unbiased	6.475	6.372	0.103
10	A119_Biased	6.287	6.262	0.025
10	A120_Biased	6.305	6.289	0.016
10	B40_Biased	6.358	6.332	0.026
10	C41_Biased	6.478	6.359	0.119
10	C42_Biased	6.782	6.409	0.373
10	A121_Unbiased	6.339	6.322	0.017
10	A124_Unbiased	6.340	6.335	0.005
10	B41_Unbiased	6.333	6.301	0.032
10	C43_Unbiased	6.673	6.336	0.337
10	C44_Unbiased	6.691	6.352	0.339
30	A125_Biased	6.326	6.293	0.033
30	B42_Biased	6.369	6.325	0.044
30	B43_Biased	6.397	6.348	0.049
30	C45_Biased	6.419	6.323	0.096
30	C46_Biased	6.530	6.362	0.168
30	A127_Unbiased	6.346	6.309	0.037
30	B45_Unbiased	6.385	6.339	0.046
30	B47_Unbiased	6.409	6.360	0.049
30	C47_Unbiased	6.568	6.403	0.165
30	C50_Unbiased	6.451	6.268	0.183
50	A128_Biased	6.311	6.259	0.052
50	A129_Biased	6.356	6.318	0.038
50	B48_Biased	6.348	6.295	0.053
50	B49_Biased	6.395	6.352	0.043
50	C51_Biased	6.401	6.252	0.149
50	A130_Unbiased	6.286	6.248	0.038
50	A131_Unbiased	6.368	6.313	0.055
50	B50_Unbiased	6.391	6.337	0.054
50	B51_Unbiased	6.404	6.319	0.085
50	C53_Unbiased	6.888	6.398	0.490
0	106_Corr	6.598	6.263	0.335
100	A132_Biased	6.374	6.307	0.067
100	A134_Biased	6.360	8.791	-2.431
100	A135_Biased	6.405	6.326	0.079
100	B52_Biased	6.403	6.330	0.073
100	B54_Biased	6.384	6.308	0.076
100	B55_Biased	6.512	6.436	0.076
100	B56_Biased	6.333	6.262	0.071
100	B57_Biased	6.398	6.322	0.076
100	B59_Biased	6.375	6.298	0.077
100	B62_Biased	6.440	6.272	0.168
100	B63_Biased	6.669	6.388	0.331
100	B64_Biased	6.749	6.316	0.433
100	B66_Biased	6.769	6.295	0.474
100	B68_Biased	6.677	6.326	0.351
100	C54_Biased	6.718	6.278	0.440
100	C55_Biased	6.555	6.390	0.165
100	C56_Biased	6.491	6.298	0.193
100	C57_Biased	6.540	6.383	0.157
100	C58_Biased	6.503	6.356	0.147
100	C59_Biased	6.493	6.339	0.154
100	C65_Biased	6.511	6.346	0.165
100	C67_Biased	6.577	6.394	0.183
100	A122_Unbiased	6.335	6.274	0.061
100	A138_Unbiased	6.396	6.329	0.067
100	A139_Unbiased	6.333	6.272	0.061
100	B60_Unbiased	6.719	6.291	0.428
100	B61_Unbiased	6.661	6.332	0.329
100	B69_Unbiased	6.719	6.402	0.317
100	B70_Unbiased	6.661	6.325	0.336
100	B71_Unbiased	6.468	6.343	0.125
100	B72_Unbiased	6.418	6.298	0.120
100	B73_Unbiased	6.756	6.489	0.267
100	B74_Unbiased	6.602	6.329	0.273
100	B77_Unbiased	6.719	6.345	0.374
100	B78_Unbiased	6.424	6.278	0.146
100	B79_Unbiased	6.646	6.315	0.331
100	B80_Unbiased	6.486	6.343	0.143
100	C70_Unbiased	6.828	6.370	0.458
100	C71_Unbiased	6.967	6.349	0.619
100	C72_Unbiased	6.623	6.325	0.298
100	C73_Unbiased	6.700	6.320	0.380
100	C75_Unbiased	6.512	6.352	0.160
100	C76_Unbiased	6.446	6.307	0.139
100	C79_Unbiased	6.424	6.264	0.160
	Max	6.967	8.791	0.619
	Average	6.491	6.357	0.134
	Min	6.286	6.207	-2.431
	Std Dev	0.158	0.269	0.315

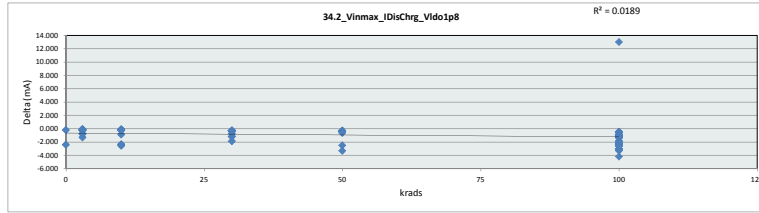


34.1_Vinmax_VoDisChrgImp_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
Krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	6.263	6.207	6.262	6.293	6.248	6.262
Average	6.310	6.327	6.330	6.345	6.309	6.386
Max	6.356	6.372	6.409	6.403	6.398	8.791
UL	25.000	25.000	25.000	25.000	25.000	25.000

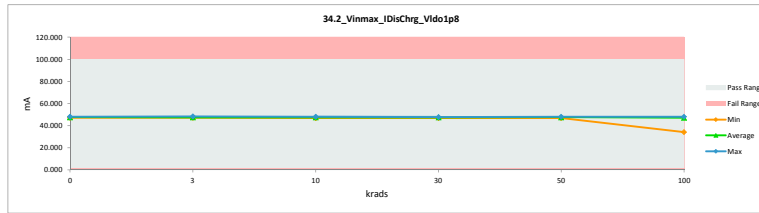


TID 100krad HDR Report
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34_2_Vinmax_IDisChrg_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	47.058	47.237	-0.179
3	A116_Biased	47.229	47.360	-0.131
3	A117_Biased	47.537	47.589	-0.052
3	B36_Biased	47.056	47.214	-0.158
3	B37_Biased	47.013	47.206	-0.193
3	C39_Unbiased	46.704	47.466	-0.762
3	A118_Unbiased	47.079	47.175	-0.096
3	A140_Unbiased	47.058	48.368	-1.310
3	B38_Unbiased	46.973	47.227	-0.254
3	B39_Unbiased	47.592	47.841	-0.249
3	C40_Unbiased	46.366	47.114	-0.748
10	A119_Biased	47.758	47.944	-0.186
10	A120_Biased	47.618	47.739	-0.121
10	B40_Biased	47.224	47.416	-0.192
10	C41_Biased	46.348	47.212	-0.864
10	C42_Biased	44.296	46.843	-2.547
10	A121_Unbiased	47.368	47.489	-0.121
10	A124_Unbiased	47.205	47.393	-0.188
10	B41_Unbiased	47.410	47.641	-0.231
10	C43_Unbiased	45.022	47.393	-2.371
10	C44_Unbiased	44.895	47.266	-2.371
30	A125_Biased	47.462	47.707	-0.245
30	B42_Biased	47.143	47.472	-0.329
30	B43_Biased	46.934	47.291	-0.357
30	C45_Biased	46.765	47.488	-0.723
30	C46_Biased	45.979	47.194	-1.215
30	A127_Unbiased	47.311	47.585	-0.274
30	B45_Unbiased	47.022	47.367	-0.345
30	B47_Unbiased	46.847	47.206	-0.359
30	C47_Unbiased	45.720	46.885	-1.165
30	C50_Unbiased	45.161	47.034	-1.873
50	A128_Biased	47.574	47.969	-0.395
50	A129_Biased	47.235	47.520	-0.285
50	B48_Biased	47.298	47.688	-0.390
50	B49_Biased	46.948	47.267	-0.319
50	C51_Biased	45.503	48.023	-2.520
50	A130_Unbiased	47.762	48.052	-0.290
50	A131_Unbiased	47.151	47.556	-0.405
50	B50_Unbiased	46.983	47.375	-0.392
50	B51_Unbiased	46.879	47.513	-0.634
50	C53_Unbiased	43.622	46.928	-3.306
0	106_Corr	45.523	47.940	-2.417
100	A132_Biased	47.103	47.606	-0.503
100	A134_Biased	47.214	34.197	13.017
100	A135_Biased	46.878	47.459	-0.581
100	B52_Biased	46.887	47.433	-0.546
100	B54_Biased	47.034	47.596	-0.562
100	B55_Biased	46.105	46.653	-0.548
100	B56_Biased	47.407	47.947	-0.540
100	B57_Biased	46.929	47.486	-0.557
100	B59_Biased	47.098	47.675	-0.577
100	B62_Biased	46.627	47.868	-1.241
100	B63_Biased	45.040	47.372	-2.332
100	B64_Biased	44.512	47.532	-3.020
100	B66_Biased	44.381	47.692	-3.311
100	B68_Biased	44.989	47.463	-2.474
100	C54_Biased	44.720	47.823	-3.103
100	C55_Biased	45.802	46.984	-1.182
100	C56_Biased	46.260	47.672	-1.412
100	C57_Biased	45.906	47.035	-1.129
100	C58_Biased	46.172	47.237	-1.065
100	C59_Biased	46.243	47.361	-1.118
100	C65_Biased	46.110	47.307	-1.197
100	C67_Biased	45.654	46.956	-1.302
100	A122_Unbiased	47.396	47.856	-0.460
100	A138_Unbiased	46.946	47.440	-0.494
100	A139_Unbiased	47.412	47.864	-0.452
100	B60_Unbiased	44.703	47.727	-3.024
100	B61_Unbiased	45.093	47.409	-2.316
100	B69_Unbiased	44.703	46.894	-2.191
100	B70_Unbiased	45.093	47.463	-2.370
100	B71_Unbiased	46.415	47.934	-0.919
100	B72_Unbiased	46.770	47.666	-0.896
100	B73_Unbiased	44.450	46.271	-1.821
100	B74_Unbiased	45.490	47.433	-1.943
100	B77_Unbiased	44.711	47.319	-2.608
100	B78_Unbiased	46.737	47.820	-1.083
100	B79_Unbiased	45.197	47.544	-2.347
100	B80_Unbiased	46.286	47.332	-1.046
100	C70_Unbiased	43.997	47.134	-3.137
100	C71_Unbiased	43.135	47.297	-4.162
100	C72_Unbiased	45.353	47.470	-2.117
100	C73_Unbiased	44.843	47.510	-2.667
100	C75_Unbiased	46.109	47.263	-1.154
100	C76_Unbiased	46.574	47.606	-1.032
100	C79_Unbiased	46.731	47.929	-1.198
	Max	47.762	48.368	13.017
	Average	46.289	47.292	-1.003
	Min	43.135	34.197	-4.162
	Std Dev	1.094	1.467	1.826

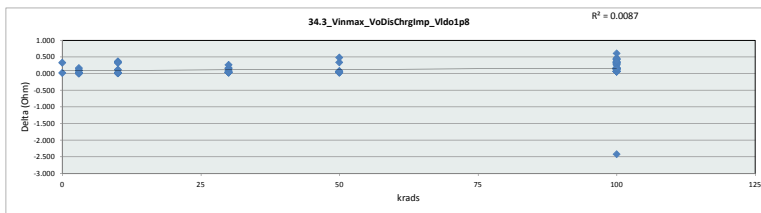


34_2_Vinmax_IDisChrg_Vldo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	1	mA				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	47.237	47.114	46.843	46.885	46.928	34.197
Average	47.589	47.456	47.434	47.323	47.589	47.135
Max	47.940	48.368	47.944	47.707	48.052	47.947
UL	100.000	100.000	100.000	100.000	100.000	100.000

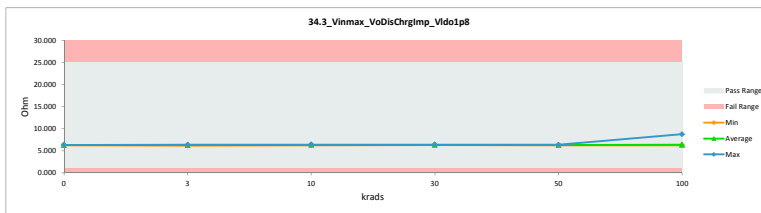


TID 100krad HDR Report
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34_3_Vinmax_VoDisChrgImp_Vic				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	6.375	6.351	0.024
3	A116_Biased	6.352	6.335	0.017
3	A117_Biased	6.311	6.304	0.007
3	B36_Biased	6.375	6.354	0.021
3	B37_Biased	6.381	6.355	0.026
3	C39_Biased	6.423	6.320	0.103
3	A118_Unbiased	6.372	6.359	0.013
3	A140_Unbiased	6.375	6.202	0.173
3	B38_Unbiased	6.387	6.352	0.035
3	B39_Unbiased	6.304	6.271	0.033
3	C40_Unbiased	6.470	6.368	0.102
10	A119_Biased	6.282	6.257	0.025
10	A120_Biased	6.300	6.284	0.016
10	B40_Biased	6.353	6.327	0.026
10	C41_Biased	6.473	6.354	0.119
10	C42_Biased	6.773	6.404	0.369
10	A121_Unbiased	6.333	6.317	0.016
10	A124_Unbiased	6.355	6.330	0.025
10	B41_Unbiased	6.328	6.297	0.031
10	C43_Unbiased	6.663	6.330	0.333
10	C44_Unbiased	6.682	6.347	0.335
30	A125_Biased	6.321	6.288	0.033
30	B42_Biased	6.364	6.320	0.044
30	B43_Biased	6.392	6.344	0.048
30	C45_Biased	6.415	6.317	0.098
30	C46_Biased	6.525	6.357	0.168
30	A127_Unbiased	6.341	6.308	0.036
30	B45_Unbiased	6.380	6.334	0.046
30	B47_Unbiased	6.404	6.355	0.049
30	C47_Unbiased	6.562	6.399	0.163
30	C50_Unbiased	6.473	6.378	0.265
50	A128_Biased	6.306	6.254	0.052
50	A129_Biased	6.351	6.313	0.038
50	B48_Biased	6.343	6.291	0.052
50	B49_Biased	6.390	6.347	0.043
50	C51_Biased	6.393	6.247	0.346
50	A130_Unbiased	6.281	6.243	0.038
50	A131_Unbiased	6.362	6.308	0.054
50	B50_Unbiased	6.385	6.333	0.052
50	B51_Unbiased	6.399	6.314	0.085
50	C53_Unbiased	6.877	6.393	0.484
0	106_Corr	6.590	6.258	0.332
100	A132_Biased	6.369	6.302	0.067
100	A134_Biased	6.354	8.773	-2.419
100	A135_Biased	6.400	6.321	0.079
100	B52_Biased	6.398	6.325	0.073
100	B54_Biased	6.378	6.303	0.075
100	B55_Biased	6.507	6.430	0.077
100	B56_Biased	6.328	6.257	0.071
100	B57_Biased	6.393	6.318	0.075
100	B59_Biased	6.370	6.293	0.077
100	B62_Biased	6.434	6.267	0.167
100	B63_Biased	6.661	6.333	0.328
100	B64_Biased	6.740	6.312	0.428
100	B66_Biased	6.760	6.290	0.470
100	B68_Biased	6.668	6.321	0.347
100	C54_Biased	6.708	6.273	0.435
100	C55_Biased	6.550	6.385	0.165
100	C56_Biased	6.485	6.293	0.192
100	C57_Biased	6.535	6.378	0.157
100	C58_Biased	6.498	6.351	0.147
100	C59_Biased	6.487	6.334	0.153
100	C65_Biased	6.506	6.342	0.164
100	C67_Biased	6.571	6.389	0.182
100	A122_Unbiased	6.330	6.269	0.061
100	A138_Unbiased	6.390	6.324	0.066
100	A139_Unbiased	6.327	6.268	0.059
100	B60_Unbiased	6.711	6.286	0.425
100	B61_Unbiased	6.653	6.328	0.325
100	B69_Unbiased	6.711	6.397	0.314
100	B70_Unbiased	6.653	6.321	0.332
100	B71_Unbiased	6.463	6.338	0.125
100	B72_Unbiased	6.414	6.294	0.120
100	B73_Unbiased	6.749	6.484	0.265
100	B74_Unbiased	6.595	6.325	0.270
100	B77_Unbiased	6.710	6.340	0.370
100	B78_Unbiased	6.419	6.273	0.146
100	B79_Unbiased	6.638	6.310	0.328
100	B80_Unbiased	6.482	6.338	0.144
100	C70_Unbiased	6.819	6.365	0.454
100	C71_Unbiased	6.955	6.343	0.612
100	C72_Unbiased	6.615	6.320	0.295
100	C73_Unbiased	6.690	6.315	0.375
100	C75_Unbiased	6.506	6.347	0.159
100	C76_Unbiased	6.441	6.302	0.139
100	C79_Unbiased	6.420	6.259	0.161
	Max	6.955	8.773	0.612
	Average	6.485	6.352	0.133
	Min	6.281	6.202	-2.419
	Std Dev	0.156	0.268	0.313

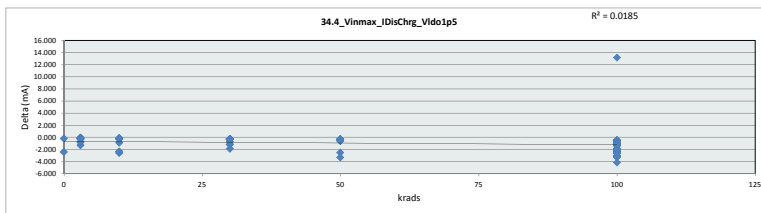


34_3_Vinmax_VoDisChrgImp_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
krads	1	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	6.258	6.202	6.257	6.288	6.243	6.257
Average	6.305	6.322	6.325	6.340	6.304	6.380
Max	6.351	6.368	6.404	6.399	6.393	8.773
UL	25.000	25.000	25.000	25.000	25.000	25.000

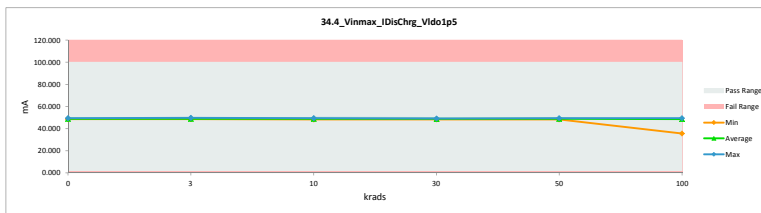


TID 100krad HDR Report
TPS7H3301-SP

34.4_Vinmax_IDisChrg_Vldo1p5				
Test Site	Dallas, TX	Dallas, TX		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	48.476	48.653	-0.177
3	A116_Biased	48.648	48.781	-0.133
3	A117_Biased	48.945	48.998	-0.053
3	B36_Biased	48.473	48.631	-0.158
3	B37_Biased	48.440	48.632	-0.192
3	C39_Biased	48.118	48.896	-0.778
3	A118_Unbiased	48.491	48.587	-0.096
3	A140_Unbiased	48.476	49.800	-1.324
3	B38_Unbiased	48.403	48.655	-0.252
3	B39_Unbiased	49.021	49.271	-0.250
3	C40_Unbiased	47.761	48.521	-0.760
10	A119_Biased	49.177	49.364	-0.187
10	A120_Biased	49.028	49.150	-0.122
10	B40_Biased	48.656	48.846	-0.190
10	C41_Biased	47.768	48.640	-0.872
10	C42_Biased	45.709	48.264	-2.555
10	A121_Unbiased	48.781	48.904	-0.123
10	A124_Unbiased	48.614	48.799	-0.185
10	B41_Unbiased	48.837	49.063	-0.226
10	C43_Unbiased	46.427	48.806	-2.379
10	C44_Unbiased	46.310	48.689	-2.379
30	A125_Biased	48.862	49.128	-0.246
30	B42_Biased	48.574	48.900	-0.326
30	B43_Biased	48.361	48.717	-0.356
30	C45_Biased	48.165	48.901	-0.736
30	C46_Biased	47.374	48.599	-1.225
30	A127_Unbiased	48.721	48.995	-0.274
30	B45_Unbiased	48.447	48.791	-0.344
30	B47_Unbiased	48.265	48.622	-0.357
30	C47_Unbiased	47.131	48.302	-1.171
30	C50_Unbiased	46.587	48.464	-1.877
50	A128_Biased	48.989	49.380	-0.391
50	A129_Biased	48.653	48.937	-0.284
50	B48_Biased	48.733	49.122	-0.389
50	B49_Biased	48.378	48.697	-0.319
50	C51_Biased	46.914	49.440	-2.526
50	A130_Unbiased	49.175	49.463	-0.288
50	A131_Unbiased	48.556	48.961	-0.405
50	B50_Unbiased	48.408	48.800	-0.392
50	B51_Unbiased	48.306	48.951	-0.645
50	C53_Unbiased	45.027	48.339	-3.312
0	106_Corr	46.943	49.373	-2.430
100	A132_Biased	48.519	49.021	-0.502
100	A134_Biased	48.631	35.461	13.170
100	A135_Biased	48.297	48.576	-0.279
100	B52_Biased	48.315	48.859	-0.544
100	B54_Biased	48.459	49.019	-0.560
100	B55_Biased	47.466	48.012	-0.546
100	B56_Biased	48.638	49.372	-0.534
100	B57_Biased	48.354	48.908	-0.554
100	B59_Biased	48.536	49.111	-0.575
100	B62_Biased	48.052	49.300	-1.248
100	B63_Biased	46.464	48.797	-2.333
100	B64_Biased	45.936	48.960	-3.024
100	B66_Biased	45.804	49.123	-3.319
100	B68_Biased	46.415	48.894	-2.479
100	C54_Biased	46.133	49.238	-3.105
100	C55_Biased	47.210	48.405	-1.195
100	C56_Biased	47.684	49.105	-1.421
100	C57_Biased	47.307	48.448	-1.141
100	C58_Biased	47.586	48.658	-1.072
100	C59_Biased	47.663	48.791	-1.128
100	C65_Biased	47.523	48.730	-1.207
100	C67_Biased	47.065	48.376	-1.311
100	A122_Unbiased	48.812	49.269	-0.457
100	A138_Unbiased	48.353	48.844	-0.491
100	A139_Unbiased	48.624	49.273	-0.449
100	B60_Unbiased	46.092	49.158	-3.066
100	B61_Unbiased	46.511	48.833	-2.322
100	B69_Unbiased	46.092	48.285	-2.193
100	B70_Unbiased	46.511	48.882	-2.371
100	B71_Unbiased	47.828	48.762	-0.934
100	B72_Unbiased	48.185	49.094	-0.909
100	B73_Unbiased	45.795	47.621	-1.826
100	B74_Unbiased	46.917	48.861	-1.944
100	B77_Unbiased	46.136	48.745	-2.609
100	B78_Unbiased	48.161	49.253	-1.092
100	B79_Unbiased	46.614	48.963	-2.349
100	B80_Unbiased	47.705	48.762	-1.057
100	C70_Unbiased	45.416	48.562	-3.146
100	C71_Unbiased	44.544	48.712	-4.168
100	C72_Unbiased	46.779	48.898	-2.119
100	C73_Unbiased	46.274	48.942	-2.668
100	C75_Unbiased	47.519	48.680	-1.161
100	C76_Unbiased	47.998	49.041	-1.043
100	C79_Unbiased	48.133	49.242	-1.209
	Max	49.177	49.800	13.170
	Average	47.705	48.710	-1.005
	Min	44.544	35.461	-4.168
	Std Dev	1.098	1.485	1.842

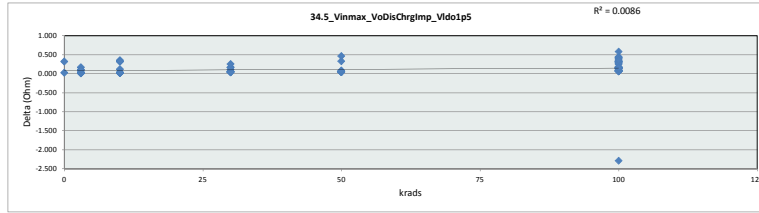


34.4_Vinmax_IDisChrg_Vldo1p5						
Test Site	Dallas, TX					
Testor	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	100					
Min Limit	1					
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	48.653	48.521	48.264	48.302	48.339	35.461
Average	49.013	48.877	48.853	48.742	49.009	48.551
Max	49.373	49.800	49.364	49.128	49.463	49.372
UL	100.000	100.000	100.000	100.000	100.000	100.000

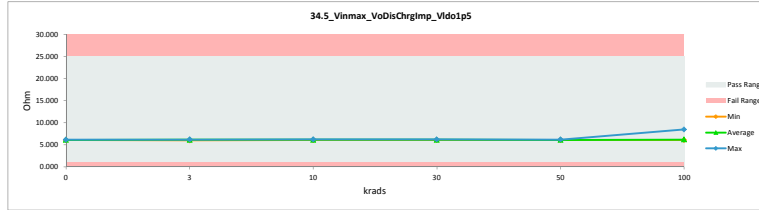


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34.5_Vinmax_VoDisChrgImp_Vic				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	6.189	6.166	0.023
3	A116_Biased	6.167	6.150	0.017
3	A117_Biased	6.129	6.123	0.006
3	B36_Biased	6.189	6.169	0.020
3	B37_Biased	6.193	6.169	0.024
3	C39_Biased	6.235	6.136	0.099
3	A118_Unbiased	6.187	6.174	0.013
3	A140_Unbiased	6.189	6.024	0.165
3	B38_Unbiased	6.198	6.166	0.032
3	B39_Unbiased	6.120	6.089	0.031
3	C40_Unbiased	6.281	6.183	0.098
10	A119_Biased	6.100	6.077	0.023
10	A120_Biased	6.119	6.104	0.015
10	B40_Biased	6.166	6.142	0.024
10	C41_Biased	6.280	6.168	0.112
10	C42_Biased	6.563	6.216	0.347
10	A121_Unbiased	6.150	6.134	0.016
10	A124_Unbiased	6.171	6.148	0.023
10	B41_Unbiased	6.143	6.115	0.028
10	C43_Unbiased	6.462	6.147	0.315
10	C44_Unbiased	6.478	6.162	0.316
30	A125_Biased	6.137	6.106	0.031
30	B42_Biased	6.176	6.135	0.041
30	B43_Biased	6.203	6.158	0.045
30	C45_Biased	6.229	6.135	0.094
30	C46_Biased	6.333	6.173	0.160
30	A127_Unbiased	6.158	6.123	0.035
30	B45_Unbiased	6.192	6.149	0.043
30	B47_Unbiased	6.216	6.170	0.046
30	C47_Unbiased	6.365	6.211	0.154
30	C50_Unbiased	6.239	6.190	0.249
50	A128_Biased	6.124	6.075	0.049
50	A129_Biased	6.166	6.130	0.036
50	B48_Biased	6.156	6.107	0.049
50	B49_Biased	6.201	6.161	0.040
50	C51_Biased	6.295	6.068	0.327
50	A130_Unbiased	6.101	6.065	0.036
50	A131_Unbiased	6.178	6.127	0.051
50	B50_Unbiased	6.197	6.148	0.049
50	B51_Unbiased	6.210	6.129	0.081
50	C53_Unbiased	6.663	6.206	0.457
0	106_Corr	6.391	6.076	0.315
100	A132_Biased	6.183	6.120	0.063
100	A134_Biased	6.169	8.460	-2.291
100	A135_Biased	6.212	6.138	0.074
100	B52_Biased	6.209	6.140	0.069
100	B54_Biased	6.191	6.120	0.071
100	B55_Biased	6.320	6.248	0.072
100	B56_Biased	6.143	6.076	0.067
100	B57_Biased	6.204	6.134	0.070
100	B59_Biased	6.181	6.109	0.072
100	B62_Biased	6.243	6.085	0.158
100	B63_Biased	6.457	6.148	0.309
100	B64_Biased	6.531	6.127	0.404
100	B66_Biased	6.550	6.107	0.443
100	B68_Biased	6.463	6.136	0.327
100	C54_Biased	6.503	6.093	0.410
100	C55_Biased	6.355	6.198	0.157
100	C56_Biased	6.291	6.109	0.182
100	C57_Biased	6.342	6.192	0.150
100	C58_Biased	6.304	6.166	0.138
100	C59_Biased	6.294	6.149	0.145
100	C65_Biased	6.313	6.156	0.157
100	C67_Biased	6.374	6.201	0.173
100	A122_Unbiased	6.146	6.089	0.057
100	A138_Unbiased	6.204	6.142	0.062
100	A139_Unbiased	6.144	6.089	0.055
100	B60_Unbiased	6.509	6.103	0.406
100	B61_Unbiased	6.450	6.143	0.307
100	B69_Unbiased	6.509	6.213	0.296
100	B70_Unbiased	6.450	6.137	0.313
100	B71_Unbiased	6.273	6.121	0.152
100	B72_Unbiased	6.226	6.111	0.115
100	B73_Unbiased	6.551	6.300	0.251
100	B74_Unbiased	6.394	6.140	0.254
100	B77_Unbiased	6.503	6.155	0.348
100	B78_Unbiased	6.299	6.091	0.138
100	B79_Unbiased	6.436	6.127	0.309
100	B80_Unbiased	6.289	6.152	0.137
100	C70_Unbiased	6.606	6.178	0.428
100	C71_Unbiased	6.735	6.159	0.576
100	C72_Unbiased	6.413	6.135	0.278
100	C73_Unbiased	6.483	6.130	0.353
100	C75_Unbiased	6.313	6.163	0.150
100	C76_Unbiased	6.290	6.117	0.133
100	C79_Unbiased	6.233	6.080	0.153
	Max	6.735	8.460	0.576
	Average	6.292	6.167	0.126
	Min	6.100	6.024	-2.291
	Std Dev	0.148	0.254	0.296

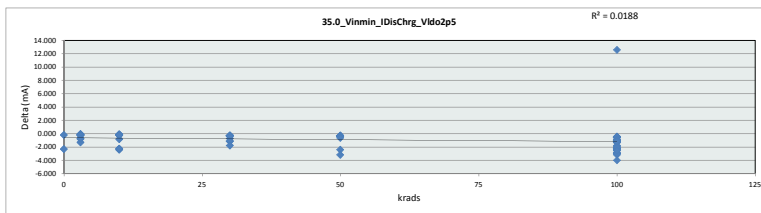


34.5_Vinmax_VoDisChrgImp_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	6.076	6.024	6.077	6.106	6.065	6.076
Average	6.121	6.138	6.141	6.155	6.122	6.194
Max	6.166	6.183	6.216	6.211	6.206	8.460
UL	25.000	25.000	25.000	25.000	25.000	25.000

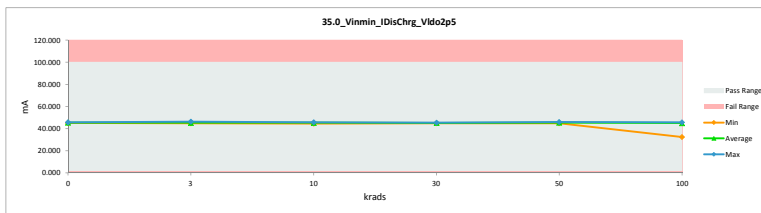


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35.0_Vinmin_IDisChrg_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	44.886	45.065	-0.179
3	A116_Biased	45.034	45.170	-0.136
3	A117_Biased	45.389	45.441	-0.052
3	B36_Biased	44.892	45.047	-0.155
3	B37_Biased	44.834	45.022	-0.188
3	C39_Biased	44.504	45.256	-0.752
3	A118_Unbiased	44.916	45.009	-0.093
3	A140_Unbiased	44.886	46.168	-1.282
3	B38_Unbiased	44.794	45.034	-0.240
3	B39_Unbiased	45.409	45.648	-0.239
3	C40_Unbiased	44.212	44.946	-0.734
10	A119_Biased	45.582	45.765	-0.183
10	A120_Biased	45.452	45.571	-0.119
10	B40_Biased	45.040	45.221	-0.181
10	C41_Biased	44.171	45.007	-0.836
10	C42_Biased	42.232	44.661	-2.429
10	A121_Unbiased	45.195	45.316	-0.121
10	A124_Unbiased	45.050	45.228	-0.178
10	B41_Unbiased	45.229	45.446	-0.217
10	C43_Unbiased	42.965	45.238	-2.273
10	C44_Unbiased	42.830	45.094	-2.264
30	A125_Biased	45.280	45.520	-0.240
30	B42_Biased	44.961	45.277	-0.316
30	B43_Biased	44.759	45.103	-0.344
30	C45_Biased	44.594	45.307	-0.713
30	C46_Biased	43.850	45.027	-1.177
30	A127_Unbiased	45.153	45.423	-0.270
30	B45_Unbiased	44.854	45.186	-0.332
30	B47_Unbiased	44.689	45.037	-0.348
30	C47_Unbiased	43.586	44.704	-1.118
30	C50_Unbiased	43.043	44.532	-1.489
50	A128_Biased	45.414	45.791	-0.377
50	A129_Biased	45.055	45.334	-0.279
50	B48_Biased	45.103	45.483	-0.380
50	B49_Biased	44.758	45.073	-0.315
50	C51_Biased	43.429	45.841	-2.412
50	A130_Unbiased	45.600	45.884	-0.284
50	A131_Unbiased	45.006	45.401	-0.395
50	B50_Unbiased	44.806	45.188	-0.382
50	B51_Unbiased	44.697	45.307	-0.610
50	C53_Biased	41.604	44.760	-3.156
0	106_Corr	43.428	45.741	-2.313
100	A132_Biased	44.934	45.423	-0.489
100	A134_Biased	45.056	32.456	12.600
100	A135_Biased	44.713	45.274	-0.561
100	B52_Biased	44.707	45.247	-0.540
100	B54_Biased	44.865	45.416	-0.551
100	B55_Biased	44.028	44.569	-0.541
100	B56_Biased	45.222	45.742	-0.520
100	B57_Biased	44.754	45.297	-0.543
100	B59_Biased	44.911	45.473	-0.562
100	B62_Biased	44.461	45.670	-1.209
100	B63_Biased	42.949	45.179	-2.230
100	B64_Biased	42.448	45.334	-2.886
100	B66_Biased	42.325	45.494	-3.169
100	B68_Biased	42.901	45.269	-2.368
100	C54_Biased	42.673	45.639	-2.966
100	C55_Biased	43.637	44.798	-1.161
100	C56_Biased	44.089	45.454	-1.365
100	C57_Biased	43.751	44.856	-1.105
100	C58_Biased	44.011	45.046	-1.035
100	C59_Biased	44.066	45.155	-1.089
100	C65_Biased	43.952	45.119	-1.167
100	C67_Biased	43.509	44.774	-1.265
100	A122_Unbiased	45.229	45.675	-0.446
100	A138_Unbiased	44.807	45.291	-0.484
100	A139_Unbiased	45.253	45.695	-0.442
100	B60_Unbiased	42.659	45.524	-2.865
100	B61_Unbiased	43.017	45.218	-2.201
100	B69_Unbiased	42.659	44.761	-2.102
100	B70_Unbiased	43.017	45.281	-2.264
100	B71_Unbiased	44.225	45.146	-0.921
100	B72_Unbiased	44.576	45.466	-0.890
100	B73_Unbiased	42.444	44.201	-1.757
100	B74_Unbiased	43.378	45.239	-1.861
100	B77_Unbiased	42.643	45.129	-2.486
100	B78_Unbiased	44.559	45.619	-1.060
100	B79_Unbiased	43.116	45.362	-2.246
100	B80_Unbiased	44.110	45.137	-1.027
100	C70_Unbiased	41.929	44.934	-3.005
100	C71_Unbiased	41.136	45.114	-3.978
100	C72_Unbiased	43.237	45.263	-2.026
100	C73_Unbiased	42.749	45.293	-2.544
100	C75_Unbiased	43.956	45.076	-1.120
100	C76_Unbiased	44.379	45.388	-1.009
100	C79_Unbiased	44.863	45.233	-1.170
	Max	45.600	46.168	12.600
	Average	44.149	45.114	-0.965
	Min	41.136	32.456	-3.978
	Std Dev	1.049	1.418	1.759

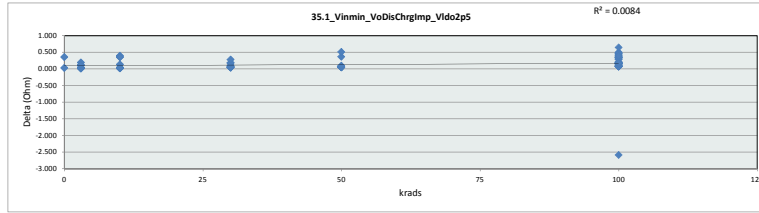


35.0_Vinmin_IDisChrg_Vldo2p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	1	mA				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	45.065	44.946	44.661	44.704	44.760	32.456
Average	45.403	45.274	45.255	45.142	45.406	44.960
Max	45.741	46.168	45.765	45.520	45.884	45.742
UL	100.000	100.000	100.000	100.000	100.000	100.000

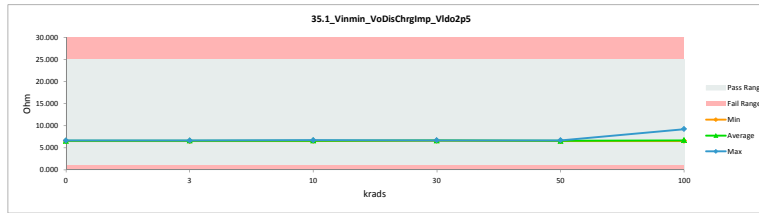


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35.1_Vinmin_VoDisChrgImp_Vld				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	6.684	6.657	0.027
3	A116_Biased	6.662	6.642	0.020
3	A117_Biased	6.610	6.602	0.008
3	B36_Biased	6.683	6.660	0.023
3	B37_Biased	6.691	6.663	0.028
3	C39_Biased	6.741	6.629	0.112
3	A118_Unbiased	6.679	6.668	0.014
3	A140_Unbiased	6.684	6.498	0.186
3	B38_Unbiased	6.697	6.662	0.035
3	B39_Unbiased	6.607	6.572	0.035
3	C40_Unbiased	6.785	6.675	0.110
10	A119_Biased	6.581	6.555	0.026
10	A120_Biased	6.600	6.583	0.017
10	B40_Biased	6.661	6.634	0.027
10	C41_Biased	6.792	6.666	0.126
10	C42_Biased	7.104	6.717	0.387
10	A121_Unbiased	6.638	6.620	0.019
10	A124_Unbiased	6.659	6.633	0.026
10	B41_Unbiased	6.633	6.601	0.032
10	C43_Unbiased	6.982	6.632	0.350
10	C44_Unbiased	7.004	6.653	0.351
30	A125_Biased	6.625	6.590	0.035
30	B42_Biased	6.672	6.626	0.046
30	B43_Biased	6.703	6.651	0.052
30	C45_Biased	6.727	6.622	0.105
30	C46_Biased	6.842	6.663	0.179
30	A127_Unbiased	6.644	6.605	0.039
30	B45_Unbiased	6.688	6.639	0.049
30	B47_Unbiased	6.713	6.661	0.052
30	C47_Unbiased	6.983	6.711	0.172
30	C50_Unbiased	6.970	6.492	0.278
50	A128_Biased	6.606	6.552	0.054
50	A129_Biased	6.659	6.618	0.041
50	B48_Biased	6.651	6.596	0.055
50	B49_Biased	6.703	6.656	0.047
50	C51_Biased	6.938	6.544	0.364
50	A130_Unbiased	6.579	6.538	0.041
50	A131_Unbiased	6.666	6.608	0.058
50	B50_Unbiased	6.696	6.639	0.057
50	B51_Unbiased	6.712	6.622	0.090
50	C53_Unbiased	7.211	6.702	0.509
0	106_Corr	6.908	6.559	0.349
100	A132_Biased	6.676	6.605	0.071
100	A134_Biased	6.658	9.243	-2.585
100	A135_Biased	6.709	6.626	0.083
100	B52_Biased	6.710	6.630	0.080
100	B54_Biased	6.687	6.606	0.081
100	B55_Biased	6.814	6.731	0.083
100	B56_Biased	6.634	6.559	0.075
100	B57_Biased	6.703	6.623	0.080
100	B59_Biased	6.680	6.597	0.083
100	B62_Biased	6.747	6.569	0.178
100	B63_Biased	6.985	6.640	0.345
100	B64_Biased	7.067	6.618	0.449
100	B66_Biased	7.088	6.594	0.494
100	B68_Biased	6.993	6.627	0.366
100	C54_Biased	7.030	6.573	0.457
100	C55_Biased	6.875	6.697	0.178
100	C56_Biased	6.804	6.600	0.204
100	C57_Biased	6.857	6.688	0.169
100	C58_Biased	6.816	6.660	0.156
100	C59_Biased	6.808	6.644	0.164
100	C65_Biased	6.826	6.649	0.177
100	C67_Biased	6.895	6.700	0.195
100	A122_Unbiased	6.633	6.568	0.065
100	A138_Unbiased	6.695	6.624	0.071
100	A139_Unbiased	6.629	6.565	0.064
100	B60_Unbiased	7.032	6.590	0.442
100	B61_Unbiased	6.974	6.635	0.339
100	B69_Unbiased	7.032	6.702	0.330
100	B70_Unbiased	6.974	6.625	0.349
100	B71_Unbiased	6.784	6.645	0.139
100	B72_Unbiased	6.730	6.598	0.132
100	B73_Unbiased	7.068	6.787	0.281
100	B74_Unbiased	6.916	6.631	0.285
100	B77_Unbiased	7.035	6.648	0.387
100	B78_Unbiased	6.976	6.576	0.157
100	B79_Unbiased	6.958	6.614	0.344
100	B80_Unbiased	6.801	6.646	0.155
100	C70_Unbiased	7.155	6.676	0.479
100	C71_Unbiased	6.850	6.643	0.207
100	C72_Unbiased	6.938	6.628	0.310
100	C73_Unbiased	7.018	6.624	0.394
100	C75_Unbiased	6.825	6.655	0.170
100	C76_Unbiased	6.760	6.610	0.150
100	C79_Unbiased	6.732	6.560	0.172
	Max	7.293	9.243	0.643
	Average	6.799	6.659	0.140
	Min	6.579	6.498	-2.585
	Std Dev	0.165	0.286	0.333

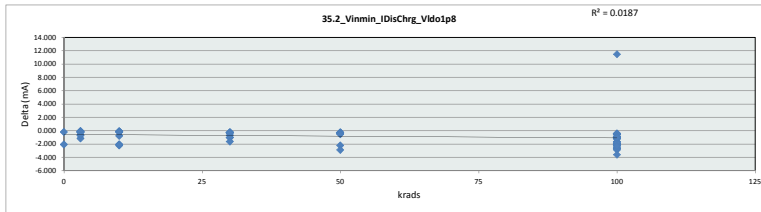


35.1_Vinmin_VoDisChrgImp_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
krads	1	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	6.559	6.498	6.555	6.590	6.538	6.559
Average	6.608	6.627	6.629	6.646	6.608	6.689
Max	6.657	6.675	6.717	6.711	6.702	9.243
UL	25.000	25.000	25.000	25.000	25.000	25.000

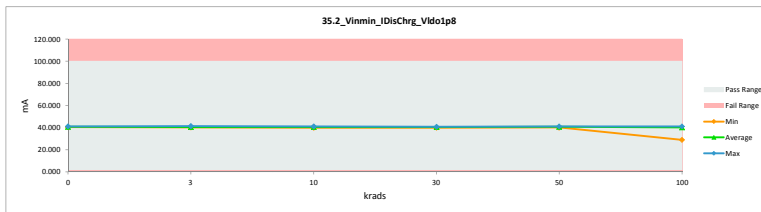


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35.2_Vinmin_IDisChrg_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	40.188	40.369	-0.181
3	A116_Biased	40.268	40.401	-0.133
3	A117_Biased	40.698	40.752	-0.054
3	B36_Biased	40.204	40.354	-0.150
3	B37_Biased	40.115	40.292	-0.177
3	C39_Biased	39.723	40.418	-0.695
3	A118_Unbiased	40.236	40.326	-0.090
3	A140_Unbiased	40.188	41.360	-1.172
3	B38_Unbiased	40.072	40.294	-0.222
3	B39_Unbiased	40.664	40.885	-0.221
3	C40_Unbiased	39.562	40.242	-0.680
10	A119_Biased	40.848	41.019	-0.171
10	A120_Biased	40.749	40.862	-0.113
10	B40_Biased	40.299	40.465	-0.166
10	C41_Biased	39.422	40.188	-0.766
10	C42_Biased	37.721	39.927	-2.206
10	A121_Unbiased	40.457	40.572	-0.115
10	A124_Unbiased	40.365	40.529	-0.164
10	B41_Unbiased	40.487	40.686	-0.199
10	C43_Unbiased	38.430	40.502	-2.072
10	C44_Unbiased	38.305	40.365	-2.060
30	A125_Biased	40.529	40.749	-0.220
30	B42_Biased	40.212	40.504	-0.292
30	B43_Biased	40.047	40.364	-0.317
30	C45_Biased	39.866	40.529	-0.663
30	C46_Biased	39.210	40.288	-1.078
30	A127_Unbiased	40.468	40.721	-0.253
30	B45_Unbiased	40.150	40.457	-0.307
30	B47_Unbiased	40.023	40.344	-0.321
30	C47_Unbiased	38.952	39.972	-1.020
30	C50_Unbiased	38.494	40.028	-1.534
50	A128_Biased	40.706	41.050	-0.344
50	A129_Biased	40.324	40.583	-0.259
50	B48_Biased	40.338	40.690	-0.352
50	B49_Biased	40.015	40.309	-0.294
50	C51_Biased	38.879	41.075	-2.196
50	A130_Unbiased	40.889	41.157	-0.268
50	A131_Unbiased	40.342	40.707	-0.365
50	B50_Unbiased	40.091	40.445	-0.354
50	B51_Unbiased	39.987	40.513	-0.526
50	C53_Biased	37.175	40.042	-2.867
0	106_Corr	38.880	40.972	-2.092
100	A132_Biased	40.203	40.651	-0.448
100	A134_Biased	40.348	28.861	11.487
100	A135_Biased	40.009	40.523	-0.514
100	B52_Biased	39.997	40.497	-0.500
100	B54_Biased	40.163	40.670	-0.507
100	B55_Biased	39.524	40.027	-0.503
100	B56_Biased	40.476	40.953	-0.477
100	B57_Biased	40.049	40.555	-0.506
100	B59_Biased	40.159	40.677	-0.518
100	B62_Biased	39.770	40.880	-1.110
100	B63_Biased	38.381	40.408	-2.027
100	B64_Biased	37.935	40.558	-2.623
100	B66_Biased	37.829	40.710	-2.881
100	B68_Biased	38.343	40.498	-2.155
100	C54_Biased	38.172	40.873	-2.701
100	C55_Biased	38.972	40.043	-1.071
100	C56_Biased	39.340	40.244	-1.244
100	C57_Biased	39.098	40.116	-1.018
100	C58_Biased	39.317	40.269	-0.952
100	C59_Biased	39.325	40.321	-0.996
100	C65_Biased	39.281	40.742	-1.071
100	C67_Biased	38.861	40.020	-1.159
100	A122_Unbiased	40.497	40.909	-0.412
100	A138_Unbiased	40.171	40.623	-0.452
100	A139_Unbiased	40.562	40.975	-0.413
100	B60_Unbiased	38.205	40.788	-2.583
100	B61_Unbiased	38.483	40.460	-1.977
100	B69_Unbiased	38.205	40.123	-1.918
100	B70_Unbiased	38.483	40.547	-2.064
100	B71_Unbiased	39.532	40.981	-0.861
100	B72_Unbiased	39.858	40.686	-0.828
100	B73_Unbiased	38.075	39.690	-1.615
100	B74_Unbiased	38.781	40.477	-1.696
100	B77_Unbiased	38.118	40.379	-2.261
100	B78_Unbiased	39.852	40.828	-0.976
100	B79_Unbiased	38.577	40.623	-2.046
100	B80_Unbiased	39.420	40.365	-0.945
100	C70_Unbiased	37.996	40.128	-2.732
100	C71_Unbiased	36.730	40.350	-3.620
100	C72_Unbiased	38.598	40.439	-1.841
100	C73_Unbiased	38.126	40.433	-2.307
100	C75_Unbiased	39.298	40.329	-1.031
100	C76_Unbiased	39.601	40.530	-0.929
100	C79_Unbiased	39.845	40.019	-1.074
	Max	40.889	41.360	11.487
	Average	39.494	40.376	-0.882
	Min	36.730	28.861	-3.620
	Std Dev	0.966	1.292	1.600

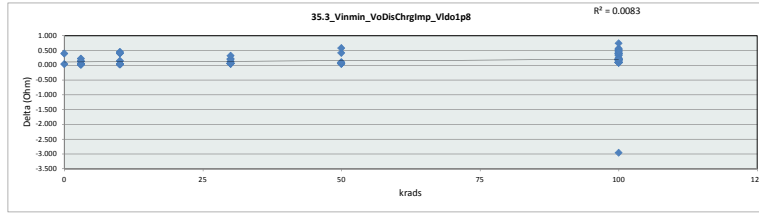


35.2_Vinmin_IDisChrg_Vldo1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	1	mA				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	40.369	40.242	39.927	39.972	40.042	28.861
Average	40.671	40.532	40.512	40.396	40.657	40.227
Max	40.972	41.360	41.019	40.749	41.157	40.975
UL	100.000	100.000	100.000	100.000	100.000	100.000

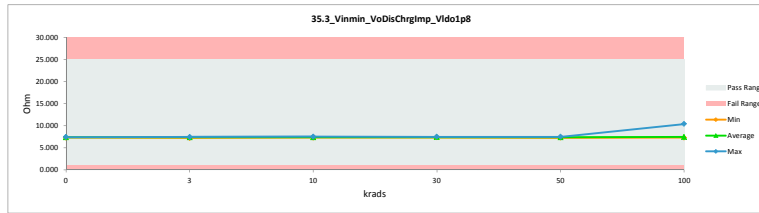


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35.3_Vinmin_VoDisChrgImp_Vld				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	7.465	7.431	0.034
3	A116_Biased	7.450	7.425	0.025
3	A117_Biased	7.371	7.362	0.009
3	B36_Biased	7.462	7.434	0.028
3	B37_Biased	7.479	7.446	0.033
3	C39_Biased	7.552	7.423	0.129
3	A118_Unbiased	7.456	7.439	0.017
3	A140_Unbiased	7.445	7.253	0.212
3	B38_Unbiased	7.487	7.445	0.042
3	B39_Unbiased	7.378	7.338	0.040
3	C40_Unbiased	7.583	7.455	0.128
10	A119_Biased	7.344	7.314	0.030
10	A120_Biased	7.342	7.342	0.020
10	B40_Biased	7.444	7.414	0.030
10	C41_Biased	7.610	7.465	0.145
10	C42_Biased	7.953	7.514	0.439
10	A121_Unbiased	7.415	7.394	0.021
10	A124_Unbiased	7.432	7.402	0.030
10	B41_Unbiased	7.410	7.374	0.036
10	C43_Unbiased	7.806	7.407	0.399
10	C44_Unbiased	7.832	7.432	0.400
30	A125_Biased	7.402	7.362	0.040
30	B42_Biased	7.461	7.407	0.054
30	B43_Biased	7.491	7.432	0.059
30	C45_Biased	7.525	7.402	0.123
30	C46_Biased	7.651	7.446	0.205
30	A127_Unbiased	7.413	7.367	0.046
30	B45_Unbiased	7.472	7.415	0.057
30	B47_Unbiased	7.496	7.436	0.060
30	C47_Unbiased	7.702	7.505	0.197
30	C50_Unbiased	7.812	7.495	0.317
50	A128_Biased	7.370	7.308	0.062
50	A129_Biased	7.440	7.392	0.048
50	B48_Biased	7.437	7.373	0.064
50	B49_Biased	7.497	7.443	0.054
50	C51_Biased	7.716	7.304	0.412
50	A130_Unbiased	7.337	7.289	0.048
50	A131_Unbiased	7.436	7.370	0.066
50	B50_Unbiased	7.483	7.418	0.065
50	B51_Unbiased	7.405	7.097	0.308
50	C53_Unbiased	8.070	7.492	0.578
0	106_Corr	7.716	7.322	0.394
100	A132_Biased	7.462	7.380	0.082
100	A134_Biased	7.435	10.395	-2.960
100	A135_Biased	7.498	7.403	0.095
100	B52_Biased	7.501	7.408	0.093
100	B54_Biased	7.470	7.376	0.094
100	B55_Biased	7.590	7.495	0.095
100	B56_Biased	7.412	7.326	0.086
100	B57_Biased	7.491	7.397	0.094
100	B59_Biased	7.470	7.375	0.095
100	B62_Biased	7.543	7.339	0.204
100	B63_Biased	7.816	7.424	0.392
100	B64_Biased	7.908	7.397	0.511
100	B66_Biased	7.930	7.369	0.561
100	B68_Biased	7.824	7.408	0.416
100	C54_Biased	7.859	7.340	0.519
100	C55_Biased	7.698	7.492	0.206
100	C56_Biased	7.626	7.392	0.234
100	C57_Biased	7.673	7.478	0.195
100	C58_Biased	7.630	7.450	0.180
100	C59_Biased	7.629	7.440	0.189
100	C65_Biased	7.637	7.435	0.202
100	C67_Biased	7.720	7.496	0.224
100	A122_Unbiased	7.408	7.333	0.075
100	A138_Unbiased	7.468	7.385	0.083
100	A139_Unbiased	7.396	7.322	0.074
100	B60_Unbiased	7.852	7.344	0.488
100	B61_Unbiased	7.796	7.415	0.381
100	B69_Unbiased	7.852	7.477	0.375
100	B70_Unbiased	7.796	7.399	0.397
100	B71_Unbiased	7.589	7.427	0.162
100	B72_Unbiased	7.527	7.374	0.153
100	B73_Unbiased	7.879	7.559	0.320
100	B74_Unbiased	7.736	7.412	0.324
100	B77_Unbiased	7.870	7.430	0.440
100	B78_Unbiased	7.528	7.348	0.180
100	B79_Unbiased	7.777	7.385	0.392
100	B80_Unbiased	7.610	7.432	0.178
100	C70_Unbiased	8.022	7.476	0.546
100	C71_Unbiased	8.168	7.435	0.733
100	C72_Unbiased	7.773	7.419	0.354
100	C73_Unbiased	7.869	7.420	0.449
100	C75_Unbiased	7.634	7.439	0.195
100	C76_Unbiased	7.576	7.402	0.174
100	C79_Unbiased	7.529	7.332	0.197
	Max	8.168	10.395	0.733
	Average	7.601	7.441	0.160
	Min	7.337	7.253	-2.960
	Std Dev	0.189	0.327	0.380

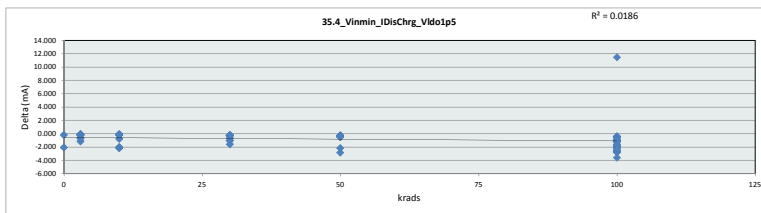


35.3_Vinmin_VoDisChrgImp_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	7.322	7.253	7.314	7.362	7.289	7.322
Average	7.377	7.402	7.406	7.427	7.379	7.477
Max	7.431	7.455	7.514	7.505	7.492	10.395
UL	25.000	25.000	25.000	25.000	25.000	25.000

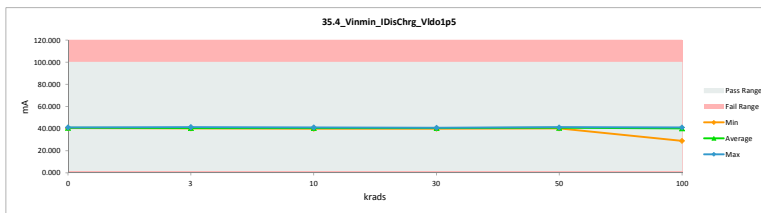


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35.4_Vinmin_IDisChrg_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	40.215	40.393	-0.178
3	A116_Biased	40.293	40.428	-0.135
3	A117_Biased	40.726	40.781	-0.055
3	B36_Biased	40.230	40.379	-0.149
3	B37_Biased	40.141	40.316	-0.175
3	C39_Biased	39.747	40.444	-0.697
3	A118_Unbiased	40.261	40.352	-0.091
3	A140_Unbiased	40.215	41.385	-1.170
3	B38_Unbiased	40.101	40.321	-0.220
3	B39_Unbiased	40.693	40.910	-0.217
3	C40_Unbiased	39.584	40.267	-0.683
10	A119_Biased	40.875	41.044	-0.169
10	A120_Biased	40.776	40.887	-0.111
10	B40_Biased	40.328	40.489	-0.161
10	C41_Biased	39.448	40.213	-0.765
10	C42_Biased	37.770	39.952	-2.182
10	A121_Unbiased	40.484	40.600	-0.116
10	A124_Unbiased	40.393	40.554	-0.161
10	B41_Unbiased	40.515	40.712	-0.197
10	C43_Unbiased	38.480	40.536	-2.056
10	C44_Unbiased	38.354	40.391	-2.037
30	A125_Biased	40.556	40.773	-0.217
30	B42_Biased	40.240	40.531	-0.291
30	B43_Biased	40.075	40.389	-0.314
30	C45_Biased	39.885	40.553	-0.668
30	C46_Biased	39.239	40.313	-1.074
30	A127_Unbiased	40.496	40.749	-0.253
30	B45_Unbiased	40.179	40.482	-0.303
30	B47_Unbiased	40.051	40.367	-0.316
30	C47_Unbiased	38.987	39.997	-1.010
30	C50_Unbiased	38.446	40.053	-1.607
50	A128_Biased	40.735	41.076	-0.341
50	A129_Biased	40.350	40.611	-0.261
50	B48_Biased	40.367	40.718	-0.351
50	B49_Biased	40.041	40.336	-0.295
50	C51_Biased	38.926	41.102	-2.176
50	A130_Unbiased	40.916	41.185	-0.269
50	A131_Unbiased	40.372	40.736	-0.364
50	B50_Unbiased	40.120	40.471	-0.351
50	B51_Unbiased	40.013	40.537	-0.524
50	C53_Biased	37.229	40.068	-2.839
0	106_Corr	38.923	40.998	-2.075
100	A132_Biased	40.232	40.678	-0.446
100	A134_Biased	40.377	28.919	11.458
100	A135_Biased	40.038	40.551	-0.513
100	B52_Biased	40.023	40.523	-0.500
100	B54_Biased	40.191	40.696	-0.505
100	B55_Biased	39.552	40.052	-0.500
100	B56_Biased	40.504	40.978	-0.474
100	B57_Biased	40.077	40.581	-0.504
100	B59_Biased	40.189	40.703	-0.514
100	B62_Biased	39.799	40.907	-1.108
100	B63_Biased	38.427	40.435	-2.008
100	B64_Biased	37.987	40.584	-2.597
100	B66_Biased	37.882	40.735	-2.853
100	B68_Biased	38.390	40.524	-2.134
100	C54_Biased	38.225	40.902	-2.677
100	C55_Biased	38.996	40.068	-1.072
100	C56_Biased	39.372	40.609	-1.237
100	C57_Biased	39.123	40.142	-1.019
100	C58_Biased	39.343	40.294	-0.951
100	C59_Biased	39.353	40.347	-0.994
100	C65_Biased	39.308	40.377	-1.069
100	C67_Biased	38.891	40.046	-1.155
100	A122_Unbiased	40.527	40.936	-0.409
100	A138_Unbiased	40.200	40.650	-0.450
100	A139_Unbiased	40.588	41.002	-0.414
100	B60_Unbiased	38.246	40.763	-2.517
100	B61_Unbiased	38.529	40.485	-1.956
100	B69_Unbiased	38.246	40.149	-1.903
100	B70_Unbiased	38.529	40.574	-2.045
100	B71_Unbiased	39.547	40.420	-0.873
100	B72_Unbiased	39.877	40.713	-0.836
100	B73_Unbiased	38.111	39.719	-1.608
100	B74_Unbiased	38.822	40.502	-1.680
100	B77_Unbiased	38.167	40.408	-2.241
100	B78_Unbiased	39.878	40.853	-0.975
100	B79_Unbiased	38.622	40.650	-2.028
100	B80_Unbiased	39.446	40.390	-0.944
100	C70_Unbiased	37.447	40.155	-2.708
100	C71_Unbiased	36.791	40.377	-3.586
100	C72_Unbiased	38.641	40.464	-1.823
100	C73_Unbiased	38.176	40.459	-2.283
100	C75_Unbiased	39.324	40.353	-1.029
100	C76_Unbiased	39.625	40.556	-0.931
100	C79_Unbiased	39.875	40.944	-1.071
Max	40.916	41.385	11.458	
Average	39.526	40.402	-0.876	
Min	36.791	28.919	-3.586	
Std Dev	0.958	1.289	1.593	

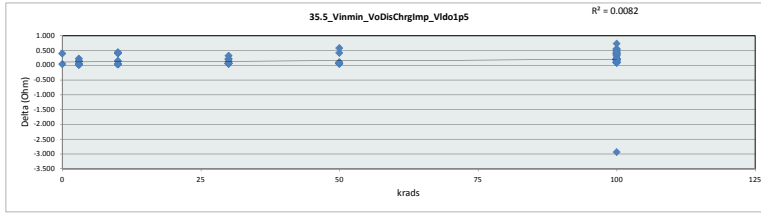


35.4_Vinmin_IDisChrg_Vldo1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	1	mA				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	40.393	40.267	39.952	39.997	40.068	28.919
Average	40.696	40.558	40.538	40.421	40.684	40.254
Max	40.998	41.385	41.044	40.773	41.185	41.002
UL	100.000	100.000	100.000	100.000	100.000	100.000

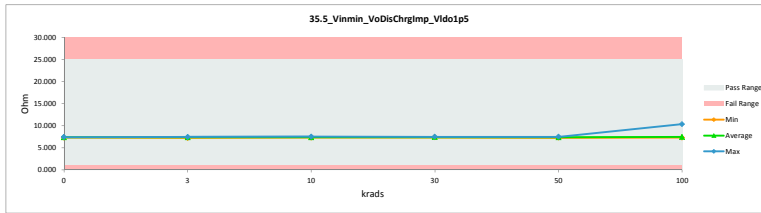


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35.5_Vinmin_VoDisChrgImp_Vld				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	7.460	7.427	0.033
3	A116_Biased	7.446	7.421	0.025
3	A117_Biased	7.366	7.356	0.010
3	B36_Biased	7.457	7.430	0.027
3	B37_Biased	7.474	7.441	0.033
3	C39_Biased	7.548	7.418	0.130
3	A118_Unbiased	7.451	7.435	0.016
3	A140_Unbiased	7.440	7.249	0.211
3	B38_Unbiased	7.481	7.440	0.041
3	B39_Unbiased	7.372	7.333	0.039
3	C40_Unbiased	7.579	7.450	0.129
10	A119_Biased	7.339	7.309	0.030
10	A120_Biased	7.357	7.337	0.020
10	B40_Biased	7.439	7.409	0.030
10	C41_Biased	7.605	7.460	0.145
10	C42_Biased	7.943	7.509	0.434
10	A121_Unbiased	7.410	7.389	0.021
10	A124_Unbiased	7.427	7.397	0.030
10	B41_Unbiased	7.405	7.369	0.036
10	C43_Unbiased	7.796	7.401	0.395
10	C44_Unbiased	7.822	7.427	0.395
30	A125_Biased	7.397	7.358	0.039
30	B42_Biased	7.455	7.402	0.053
30	B43_Biased	7.486	7.428	0.058
30	C45_Biased	7.522	7.398	0.124
30	C46_Biased	7.646	7.442	0.204
30	A127_Unbiased	7.408	7.362	0.046
30	B45_Unbiased	7.466	7.411	0.055
30	B47_Unbiased	7.491	7.432	0.059
30	C47_Unbiased	7.695	7.501	0.194
30	C50_Unbiased	7.803	7.490	0.313
50	A128_Biased	7.365	7.304	0.061
50	A129_Biased	7.435	7.387	0.048
50	B48_Biased	7.432	7.368	0.064
50	B49_Biased	7.492	7.437	0.055
50	C51_Biased	7.707	7.299	0.408
50	A130_Unbiased	7.332	7.284	0.048
50	A131_Unbiased	7.431	7.365	0.066
50	B50_Unbiased	7.478	7.413	0.065
50	B51_Unbiased	7.498	7.401	0.097
50	C53_Unbiased	8.058	7.487	0.571
0	106_Corr	7.708	7.317	0.391
100	A132_Biased	7.457	7.375	0.082
100	A134_Biased	7.430	10.374	-2.944
100	A135_Biased	7.498	7.398	0.099
100	B52_Biased	7.496	7.403	0.093
100	B54_Biased	7.464	7.372	0.092
100	B55_Biased	7.585	7.490	0.095
100	B56_Biased	7.407	7.321	0.086
100	B57_Biased	7.486	7.393	0.093
100	B59_Biased	7.465	7.371	0.094
100	B62_Biased	7.538	7.334	0.204
100	B63_Biased	7.807	7.419	0.388
100	B64_Biased	7.897	7.392	0.505
100	B66_Biased	7.919	7.365	0.554
100	B68_Biased	7.814	7.403	0.411
100	C54_Biased	7.848	7.335	0.513
100	C55_Biased	7.693	7.487	0.206
100	C56_Biased	7.620	7.388	0.232
100	C57_Biased	7.668	7.474	0.194
100	C58_Biased	7.625	7.445	0.180
100	C59_Biased	7.623	7.436	0.187
100	C65_Biased	7.632	7.430	0.202
100	C67_Biased	7.714	7.491	0.223
100	A122_Unbiased	7.403	7.328	0.075
100	A138_Unbiased	7.463	7.380	0.083
100	A139_Unbiased	7.391	7.317	0.074
100	B60_Unbiased	7.844	7.360	0.484
100	B61_Unbiased	7.786	7.410	0.376
100	B69_Unbiased	7.844	7.472	0.372
100	B70_Unbiased	7.786	7.394	0.392
100	B71_Unbiased	7.586	7.422	0.164
100	B72_Unbiased	7.523	7.369	0.154
100	B73_Unbiased	7.872	7.553	0.319
100	B74_Unbiased	7.728	7.407	0.321
100	B77_Unbiased	7.860	7.424	0.436
100	B78_Unbiased	7.523	7.343	0.180
100	B79_Unbiased	7.768	7.380	0.388
100	B80_Unbiased	7.605	7.428	0.177
100	C70_Unbiased	8.011	7.471	0.540
100	C71_Unbiased	8.154	7.430	0.724
100	C72_Unbiased	7.764	7.414	0.350
100	C73_Unbiased	7.858	7.415	0.443
100	C75_Unbiased	7.629	7.434	0.195
100	C76_Unbiased	7.571	7.397	0.174
100	C79_Unbiased	7.524	7.327	0.197
	Max	8.154	10.374	0.724
	Average	7.594	7.436	0.159
	Min	7.332	7.249	-2.944
	Std Dev	0.187	0.325	0.378

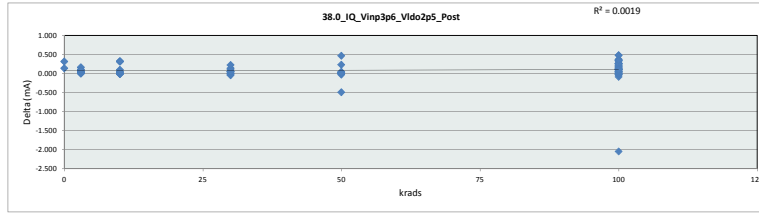


35.5_Vinmin_VoDisChrgImp_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	7.317	7.249	7.309	7.358	7.284	7.317
Average	7.372	7.397	7.401	7.422	7.375	7.472
Max	7.427	7.450	7.509	7.501	7.487	10.374
UL	25.000	25.000	25.000	25.000	25.000	25.000

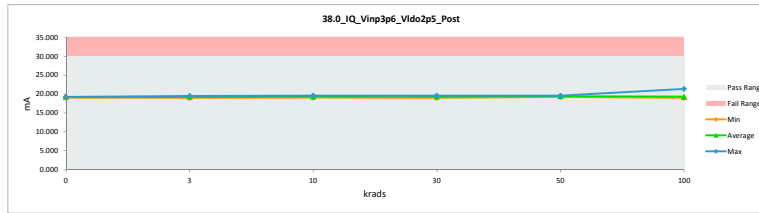


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38.0_IQ_Vinp3p6_Vido2p5_Post				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	19.392	19.254	0.138
3	A116_Biased	19.557	19.511	0.046
3	A117_Biased	19.131	19.133	-0.002
3	B36_Biased	19.286	19.254	0.032
3	B37_Biased	19.546	19.499	0.047
3	C39_Biased	19.203	19.102	0.101
3	A118_Unbiased	19.066	19.035	0.031
3	A140_Unbiased	19.392	19.232	0.160
3	B38_Unbiased	19.141	19.125	0.016
3	B39_Unbiased	19.356	19.315	0.041
3	C40_Unbiased	19.094	19.007	0.087
10	A119_Biased	19.410	19.423	-0.013
10	A120_Biased	19.565	19.562	-0.007
10	B40_Biased	19.403	19.395	0.008
10	C41_Biased	19.432	19.339	0.093
10	C42_Biased	19.478	19.157	0.321
10	A121_Unbiased	19.326	19.341	-0.015
10	A124_Unbiased	19.113	19.077	0.036
10	B41_Unbiased	19.233	19.190	0.043
10	C43_Unbiased	19.757	19.438	0.319
10	C44_Unbiased	19.716	19.400	0.316
30	A125_Biased	19.558	19.607	-0.049
30	B42_Biased	19.446	19.395	0.051
30	B43_Biased	19.322	19.313	0.009
30	C45_Biased	19.331	19.274	0.057
30	C46_Biased	19.233	19.119	0.114
30	A127_Unbiased	19.388	19.413	-0.025
30	B45_Unbiased	19.556	19.560	-0.004
30	B47_Unbiased	19.000	18.954	0.046
30	C47_Unbiased	19.202	19.062	0.140
30	C50_Unbiased	19.513	19.294	0.219
50	A128_Biased	19.251	19.247	0.004
50	A129_Biased	19.349	19.322	0.027
50	B48_Biased	19.373	19.403	-0.030
50	B49_Biased	19.526	19.515	0.011
50	C51_Biased	19.576	19.349	0.227
50	A130_Unbiased	19.574	19.572	0.002
50	A131_Unbiased	19.360	19.315	0.045
50	B50_Unbiased	19.540	19.526	0.014
50	B51_Unbiased	19.002	19.491	-0.489
50	C53_Unbiased	19.693	19.229	0.464
0	106_Corr	19.394	19.081	0.313
100	A132_Biased	19.214	19.244	-0.030
100	A134_Biased	19.308	21.358	-2.050
100	A135_Biased	19.210	19.117	0.093
100	B52_Biased	19.001	19.086	-0.085
100	B54_Biased	19.273	19.218	0.055
100	B55_Biased	19.176	19.120	0.056
100	B56_Biased	19.457	19.496	-0.039
100	B57_Biased	19.096	19.101	-0.005
100	B59_Biased	19.330	19.299	0.031
100	B62_Biased	19.772	19.613	0.159
100	B63_Biased	19.485	19.249	0.236
100	B64_Biased	19.707	19.430	0.277
100	B66_Biased	19.710	19.340	0.370
100	B68_Biased	19.481	19.217	0.264
100	C54_Biased	19.660	19.328	0.332
100	C55_Biased	19.126	19.022	0.104
100	C56_Biased	19.346	19.226	0.120
100	C57_Biased	19.067	19.096	-0.029
100	C58_Biased	19.510	19.400	0.110
100	C59_Biased	19.262	19.137	0.125
100	C65_Biased	19.276	19.082	0.194
100	C67_Biased	19.228	19.045	0.183
100	A122_Unbiased	19.457	19.466	-0.009
100	A138_Unbiased	19.077	19.062	0.015
100	A139_Unbiased	19.248	19.236	0.012
100	B60_Unbiased	19.688	19.352	0.336
100	B61_Unbiased	19.504	19.248	0.256
100	B69_Unbiased	19.688	19.326	0.362
100	B70_Unbiased	19.504	19.249	0.255
100	B71_Unbiased	19.098	19.043	0.055
100	B72_Unbiased	19.447	19.357	0.090
100	B73_Unbiased	19.531	19.368	0.163
100	B74_Unbiased	19.512	19.182	0.330
100	B77_Unbiased	19.530	19.323	0.207
100	B78_Unbiased	19.477	19.434	0.043
100	B79_Unbiased	19.391	19.195	0.196
100	B80_Unbiased	19.357	19.253	0.104
100	C70_Unbiased	19.515	19.032	0.483
100	C71_Unbiased	19.557	19.083	0.474
100	C72_Unbiased	19.323	19.068	0.255
100	C73_Unbiased	19.556	19.211	0.345
100	C75_Unbiased	19.077	18.962	0.115
100	C76_Unbiased	19.356	19.224	0.132
100	C79_Unbiased	19.387	19.289	0.098
	Max	19.772	21.358	0.483
	Average	19.381	19.291	0.090
	Min	19.000	18.954	-2.050
	Std Dev	0.193	0.278	0.277

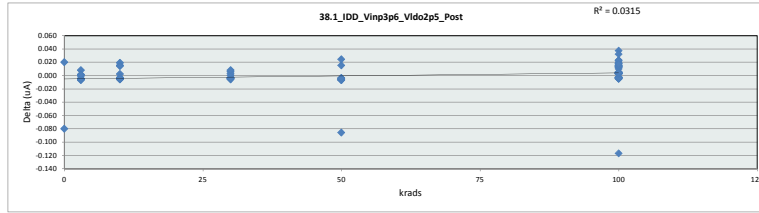


38.0_IQ_Vinp3p6_Vido2p5_Po						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	19.081	19.007	19.077	18.954	19.229	18.962
Average	19.168	19.221	19.332	19.299	19.397	19.277
Max	19.254	19.511	19.562	19.607	19.572	21.358
UL	30.000	30.000	30.000	30.000	30.000	30.000

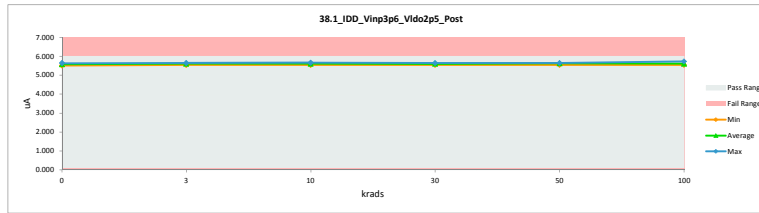


TID 100krad HDR Report
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38.1_IDD_Vinp3p6_Vido2p5_Pos				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.555	5.635	-0.080
3	A116_Biased	5.634	5.639	-0.005
3	A117_Biased	5.619	5.625	-0.006
3	B36_Biased	5.631	5.636	-0.005
3	B37_Biased	5.627	5.634	-0.007
3	C39_Biased	5.617	5.616	0.001
3	A118_Unbiased	5.590	5.595	-0.005
3	A140_Unbiased	5.555	5.547	0.008
3	B38_Unbiased	5.587	5.588	-0.001
3	B39_Unbiased	5.641	5.646	-0.005
3	C40_Unbiased	5.540	5.539	0.001
10	A119_Biased	5.645	5.651	-0.006
10	A120_Biased	5.628	5.635	-0.007
10	B40_Biased	5.603	5.608	-0.005
10	C41_Biased	5.589	5.587	0.002
10	C42_Biased	5.556	5.537	0.019
10	A121_Unbiased	5.628	5.633	-0.005
10	A124_Unbiased	5.591	5.594	-0.003
10	B41_Unbiased	5.636	5.641	-0.005
10	C43_Unbiased	5.617	5.602	0.015
10	C44_Unbiased	5.592	5.578	0.014
30	A125_Biased	5.640	5.644	-0.004
30	B42_Biased	5.632	5.636	-0.004
30	B43_Biased	5.627	5.632	-0.005
30	C45_Biased	5.596	5.596	0.000
30	C46_Biased	5.564	5.558	0.006
30	A127_Unbiased	5.620	5.626	-0.006
30	B45_Unbiased	5.629	5.632	-0.003
30	B47_Unbiased	5.552	5.556	-0.004
30	C47_Unbiased	5.548	5.545	0.003
30	C50_Unbiased	5.591	5.583	0.008
50	A128_Biased	5.628	5.632	-0.004
50	A129_Biased	5.627	5.634	-0.007
50	B48_Biased	5.632	5.638	-0.006
50	B49_Biased	5.629	5.636	-0.007
50	C51_Biased	5.656	5.641	0.015
50	A130_Unbiased	5.630	5.634	-0.004
50	A131_Unbiased	5.632	5.638	-0.006
50	B50_Unbiased	5.639	5.643	-0.004
50	B51_Unbiased	5.642	5.642	-0.006
50	C53_Unbiased	5.562	5.538	0.024
0	106_Corr	5.529	5.509	0.020
100	A132_Biased	5.614	5.617	-0.003
100	A134_Biased	5.612	5.729	-0.117
100	A135_Biased	5.672	5.672	-0.002
100	B52_Biased	5.556	5.560	-0.004
100	B54_Biased	5.637	5.641	-0.004
100	B55_Biased	5.616	5.619	-0.003
100	B56_Biased	5.614	5.619	-0.005
100	B57_Biased	5.544	5.567	-0.003
100	B59_Biased	5.633	5.638	-0.005
100	B62_Biased	5.634	5.631	0.003
100	B63_Biased	5.620	5.605	0.015
100	B64_Biased	5.658	5.638	0.020
100	B66_Biased	5.665	5.642	0.023
100	B68_Biased	5.656	5.643	0.013
100	C54_Biased	5.650	5.632	0.018
100	C55_Biased	5.553	5.550	0.003
100	C56_Biased	5.627	5.622	0.005
100	C57_Biased	5.553	5.548	0.005
100	C58_Biased	5.572	5.569	0.003
100	C59_Biased	5.583	5.580	0.003
100	C65_Biased	5.575	5.571	0.004
100	C67_Biased	5.543	5.540	0.003
100	A122_Unbiased	5.621	5.624	-0.003
100	A138_Unbiased	5.538	5.542	-0.004
100	A139_Unbiased	5.625	5.628	-0.003
100	B60_Unbiased	5.644	5.632	0.012
100	B61_Unbiased	5.648	5.611	0.037
100	B69_Unbiased	5.644	5.631	0.013
100	B70_Unbiased	5.648	5.634	0.014
100	B71_Unbiased	5.565	5.562	0.003
100	B72_Unbiased	5.616	5.614	0.002
100	B73_Unbiased	5.626	5.616	0.010
100	B74_Unbiased	5.600	5.588	0.012
100	B77_Unbiased	5.592	5.574	0.018
100	B78_Unbiased	5.644	5.641	0.003
100	B79_Unbiased	5.650	5.635	0.015
100	B80_Unbiased	5.596	5.591	0.005
100	C70_Unbiased	5.602	5.579	0.023
100	C71_Unbiased	5.588	5.556	0.032
100	C72_Unbiased	5.602	5.588	0.014
100	C73_Unbiased	5.628	5.611	0.017
100	C75_Unbiased	5.560	5.556	0.004
100	C76_Unbiased	5.608	5.606	0.002
100	C79_Unbiased	5.623	5.612	0.011
	Max	5.665	5.729	0.037
	Average	5.607	5.606	0.001
	Min	5.529	5.509	-0.117
	Std Dev	0.035	0.038	0.021

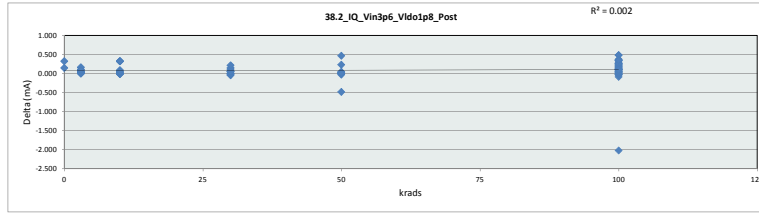


38.1_IDD_Vinp3p6_Vido2p5_P						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.509	5.539	5.537	5.545	5.538	5.540
Average	5.572	5.607	5.609	5.601	5.628	5.604
Max	5.635	5.646	5.655	5.644	5.643	5.729
UL	6.000	6.000	6.000	6.000	6.000	6.000

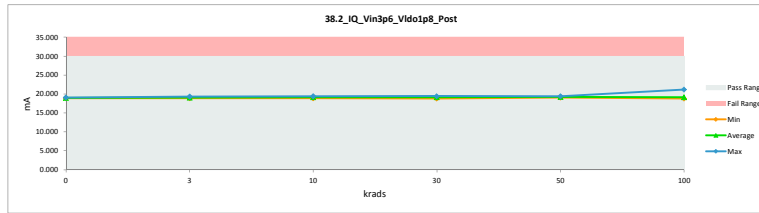


TID 100krad HDR Report
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38.2_IQ_Vin3p6_VIdo1p8_Post				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	19.242	19.098	0.144
3	A116_Biased	19.401	19.353	0.048
3	A117_Biased	18.962	18.985	-0.023
3	B36_Biased	19.130	19.098	0.032
3	B37_Biased	19.394	19.346	0.048
3	C39_Biased	19.061	18.960	0.101
3	A118_Unbiased	18.920	18.886	0.032
3	A140_Unbiased	19.242	19.077	0.165
3	B38_Unbiased	18.993	18.978	0.015
3	B39_Unbiased	19.199	19.158	0.041
3	C40_Unbiased	18.955	18.868	0.087
10	A119_Biased	19.257	19.269	-0.012
10	A120_Biased	19.410	19.417	-0.007
10	B40_Biased	19.253	19.245	0.008
10	C41_Biased	19.280	19.189	0.091
10	C42_Biased	19.337	19.014	0.323
10	A121_Unbiased	19.174	19.189	-0.015
10	A124_Unbiased	18.965	18.929	0.036
10	B41_Unbiased	19.078	19.034	0.044
10	C43_Unbiased	19.614	19.292	0.322
10	C44_Unbiased	19.668	19.247	0.321
30	A125_Biased	19.403	19.452	-0.049
30	B42_Biased	19.287	19.235	0.052
30	B43_Biased	19.168	19.166	0.002
30	C45_Biased	19.190	19.130	0.060
30	C46_Biased	19.091	18.977	0.114
30	A127_Unbiased	19.238	18.264	0.974
30	B45_Unbiased	19.404	19.408	-0.004
30	B47_Unbiased	18.855	18.809	0.046
30	C47_Unbiased	19.061	18.917	0.144
30	C50_Unbiased	19.359	19.141	0.218
50	A128_Biased	19.105	19.100	0.005
50	A129_Biased	19.201	19.175	0.026
50	B48_Biased	19.217	19.248	-0.031
50	B49_Biased	19.374	19.370	0.004
50	C51_Biased	19.427	19.195	0.232
50	A130_Unbiased	19.415	19.414	0.001
50	A131_Unbiased	19.216	19.170	0.046
50	B50_Unbiased	19.394	19.379	0.015
50	B51_Unbiased	18.853	19.337	-0.484
50	C53_Unbiased	19.554	19.087	0.467
0	106_Corr	19.251	18.930	0.321
100	A132_Biased	19.065	19.094	-0.029
100	A134_Biased	19.152	21.178	-2.026
100	A135_Biased	19.060	18.969	0.091
100	B52_Biased	18.851	18.937	-0.086
100	B54_Biased	19.115	19.061	0.054
100	B55_Biased	19.025	18.970	0.055
100	B56_Biased	19.302	19.340	-0.038
100	B57_Biased	18.950	18.961	-0.011
100	B59_Biased	19.171	19.143	0.028
100	B62_Biased	19.619	19.459	0.160
100	B63_Biased	19.335	19.093	0.242
100	B64_Biased	19.554	19.272	0.282
100	B66_Biased	19.561	19.186	0.375
100	B68_Biased	19.327	19.069	0.258
100	C54_Biased	19.512	19.173	0.339
100	C55_Biased	18.974	18.870	0.104
100	C56_Biased	19.200	19.080	0.120
100	C57_Biased	18.927	18.954	-0.027
100	C58_Biased	19.358	19.257	0.101
100	C59_Biased	19.110	18.985	0.125
100	C65_Biased	19.126	18.951	0.175
100	C67_Biased	19.088	18.905	0.183
100	A122_Unbiased	19.300	19.312	-0.012
100	A138_Unbiased	18.932	18.922	0.010
100	A139_Unbiased	19.103	19.089	0.014
100	B60_Unbiased	19.541	19.201	0.340
100	B61_Unbiased	19.352	19.102	0.250
100	B69_Unbiased	19.541	19.179	0.362
100	B70_Unbiased	19.352	19.095	0.257
100	B71_Unbiased	18.950	18.893	0.057
100	B72_Unbiased	19.294	19.203	0.091
100	B73_Unbiased	19.378	19.216	0.162
100	B74_Unbiased	19.364	19.029	0.335
100	B77_Unbiased	19.381	19.168	0.213
100	B78_Unbiased	19.320	19.279	0.041
100	B79_Unbiased	19.240	19.041	0.199
100	B80_Unbiased	19.205	19.100	0.105
100	C70_Unbiased	19.368	18.882	0.486
100	C71_Unbiased	19.417	18.934	0.483
100	C72_Unbiased	19.170	18.913	0.257
100	C73_Unbiased	19.412	19.063	0.349
100	C75_Unbiased	18.926	18.812	0.114
100	C76_Unbiased	19.209	19.073	0.136
100	C79_Unbiased	19.243	19.144	0.099
	Max	19.619	21.178	0.486
	Average	19.231	19.140	0.091
	Min	18.851	18.809	-2.026
	Std Dev	0.193	0.274	0.276

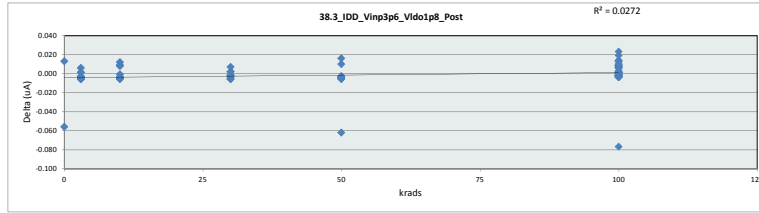


38.2_IQ_Vin3p6_VIdo1p8_Post						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.930	18.868	18.929	18.809	19.087	18.812
Average	19.014	19.071	19.183	19.150	19.248	19.126
Max	19.098	19.353	19.417	19.452	19.414	21.178
UL	30.000	30.000	30.000	30.000	30.000	30.000

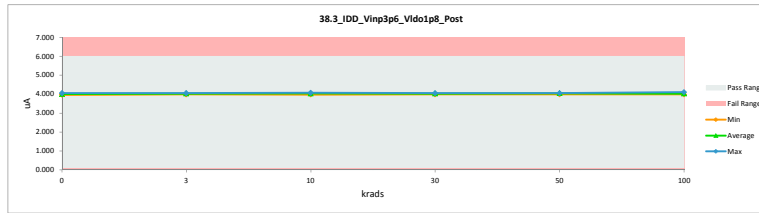


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38.3 IDD_Vinp3p6_Vido1p8_Pos				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.994	4.050	-0.056
3	A116_Biased	4.050	4.054	-0.004
3	A117_Biased	4.039	4.043	-0.004
3	B36_Biased	4.047	4.053	-0.006
3	B37_Biased	4.046	4.049	-0.003
3	C39_Biased	4.038	4.037	0.001
3	A118_Unbiased	4.019	4.023	-0.004
3	A140_Unbiased	3.994	3.988	0.006
3	B38_Unbiased	4.015	4.020	-0.005
3	B39_Unbiased	4.054	4.060	-0.006
3	C40_Unbiased	3.983	3.982	0.001
10	A119_Biased	4.057	4.061	-0.004
10	A120_Biased	4.062	4.066	-0.004
10	B40_Biased	4.028	4.032	-0.004
10	C41_Biased	4.016	4.017	-0.001
10	C42_Biased	3.993	3.981	0.012
10	A121_Unbiased	4.045	4.051	-0.006
10	A124_Unbiased	4.019	4.023	-0.004
10	B41_Unbiased	4.051	4.056	-0.005
10	C43_Unbiased	4.037	4.028	0.009
10	C44_Unbiased	4.019	4.011	0.008
30	A125_Biased	4.053	4.059	-0.006
30	B42_Biased	4.048	4.053	-0.005
30	B43_Biased	4.045	4.051	-0.006
30	C45_Biased	4.022	4.024	-0.002
30	C46_Biased	3.999	3.997	0.002
30	A127_Unbiased	4.040	4.043	-0.003
30	B45_Unbiased	4.046	4.048	-0.002
30	B47_Unbiased	3.991	3.993	-0.002
30	C47_Unbiased	3.989	3.987	0.002
30	C50_Unbiased	4.019	4.012	0.007
50	A128_Biased	4.046	4.049	-0.003
50	A129_Biased	4.045	4.051	-0.006
50	B48_Biased	4.049	4.053	-0.004
50	B49_Biased	4.047	4.052	-0.005
50	C51_Biased	4.066	4.066	0.010
50	A130_Unbiased	4.047	4.050	-0.003
50	A131_Unbiased	4.049	4.054	-0.005
50	B50_Unbiased	4.054	4.058	-0.004
50	B51_Unbiased	3.994	4.056	-0.062
50	C53_Unbiased	3.998	3.982	0.016
0	106_Corr	3.974	3.961	0.013
100	A132_Biased	4.036	4.038	-0.002
100	A134_Biased	4.034	4.111	-0.077
100	A135_Biased	4.005	4.007	-0.002
100	B52_Biased	3.993	3.996	-0.003
100	B54_Biased	4.052	4.056	-0.004
100	B55_Biased	4.038	4.041	-0.003
100	B56_Biased	4.036	4.038	-0.002
100	B57_Biased	3.999	4.002	-0.003
100	B59_Biased	4.049	4.053	-0.004
100	B62_Biased	4.049	4.049	0.000
100	B63_Biased	4.040	4.032	0.008
100	B64_Biased	4.056	4.053	0.013
100	B66_Biased	4.071	4.057	0.014
100	B68_Biased	4.066	4.058	0.008
100	C54_Biased	4.062	4.049	0.013
100	C55_Biased	3.990	3.999	0.001
100	C56_Biased	4.045	4.043	0.002
100	C57_Biased	3.991	3.991	0.000
100	C58_Biased	4.004	4.005	-0.001
100	C59_Biased	4.014	4.013	0.001
100	C65_Biased	4.007	4.007	0.000
100	C67_Biased	3.984	3.983	0.001
100	A122_Unbiased	4.041	4.044	-0.003
100	A138_Unbiased	3.981	3.983	-0.002
100	A139_Unbiased	4.043	4.047	-0.004
100	B60_Unbiased	4.057	4.049	0.008
100	B61_Unbiased	4.058	4.035	0.023
100	B69_Unbiased	4.057	4.048	0.009
100	B70_Unbiased	4.058	4.052	0.006
100	B71_Unbiased	3.999	4.001	-0.002
100	B72_Unbiased	4.037	4.038	-0.001
100	B73_Unbiased	4.044	4.037	0.007
100	B74_Unbiased	4.025	4.019	0.006
100	B77_Unbiased	4.019	4.009	0.010
100	B78_Unbiased	4.056	4.058	-0.002
100	B79_Unbiased	4.061	4.052	0.009
100	B80_Unbiased	4.022	4.024	-0.002
100	C70_Unbiased	4.026	4.013	0.013
100	C71_Unbiased	4.015	3.996	0.019
100	C72_Unbiased	4.026	4.020	0.006
100	C73_Unbiased	4.045	4.035	0.010
100	C75_Unbiased	3.997	3.996	0.001
100	C76_Unbiased	4.031	4.031	0.000
100	C79_Unbiased	4.041	4.038	0.003
	Max	4.071	4.111	0.023
	Average	4.030	4.031	-0.001
	Min	3.974	3.961	-0.077
	Std Dev	0.025	0.027	0.014

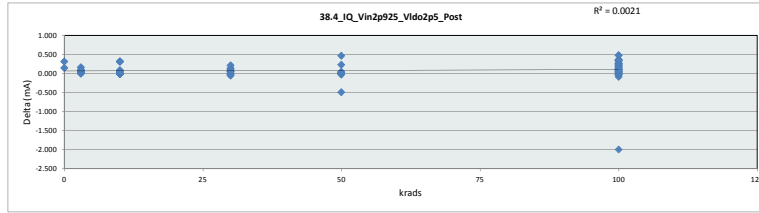


38.3 IDD_Vinp3p6_Vido1p8_P						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.961	3.982	3.981	3.987	3.982	3.983
Average	4.006	4.031	4.033	4.027	4.046	4.029
Max	4.050	4.060	4.066	4.059	4.058	4.111
UL	6.000	6.000	6.000	6.000	6.000	6.000

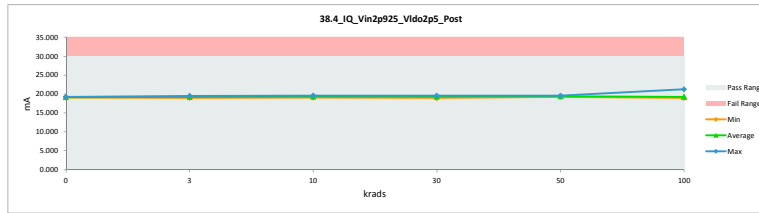


TID 100krad HDR Report
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38.4_IQ_Vin2p925_Vido2p5_Pos				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	19.388	19.241	0.147
3	A116_Biased	19.551	19.504	0.047
3	A117_Biased	19.126	19.128	-0.002
3	B36_Biased	19.273	19.242	0.031
3	B37_Biased	19.541	19.492	0.049
3	C39_Biased	19.202	19.103	0.099
3	A118_Unbiased	19.059	19.028	0.031
3	A140_Unbiased	19.388	19.298	0.140
3	B38_Unbiased	19.137	19.122	0.015
3	B39_Unbiased	19.347	19.308	0.039
3	C40_Unbiased	19.092	19.006	0.086
10	A119_Biased	19.404	19.418	-0.014
10	A120_Biased	19.562	19.561	-0.009
10	B40_Biased	19.401	19.394	0.007
10	C41_Biased	19.426	19.338	0.088
10	C42_Biased	19.470	19.151	0.319
10	A121_Unbiased	19.320	19.337	-0.017
10	A124_Unbiased	19.109	19.073	0.036
10	B41_Unbiased	19.223	19.179	0.044
10	C43_Unbiased	19.755	19.437	0.318
10	C44_Unbiased	19.713	19.400	0.313
30	A125_Biased	19.549	19.601	-0.052
30	B42_Biased	19.435	19.383	0.052
30	B43_Biased	19.311	19.311	0.000
30	C45_Biased	19.332	19.274	0.058
30	C46_Biased	19.229	19.119	0.110
30	A127_Unbiased	19.382	19.409	-0.027
30	B45_Unbiased	19.550	19.558	-0.008
30	B47_Unbiased	18.995	18.950	0.045
30	C47_Unbiased	19.197	19.055	0.142
30	C50_Unbiased	19.504	19.288	0.216
50	A128_Biased	19.248	19.245	0.003
50	A129_Biased	19.345	19.317	0.028
50	B48_Biased	19.366	19.400	-0.034
50	B49_Biased	19.520	19.518	0.002
50	C51_Biased	19.571	19.243	0.228
50	A130_Unbiased	19.564	19.562	0.002
50	A131_Unbiased	19.356	19.311	0.045
50	B50_Unbiased	19.539	19.526	0.013
50	B51_Unbiased	18.996	19.485	-0.489
50	C53_Biased	19.691	19.228	0.463
0	106_Corr	19.390	19.073	0.317
100	A132_Biased	19.211	19.242	-0.031
100	A134_Biased	19.298	21.295	-1.997
100	A135_Biased	19.206	19.117	0.089
100	B52_Biased	18.993	19.084	-0.091
100	B54_Biased	19.261	19.206	0.055
100	B55_Biased	19.167	19.111	0.056
100	B56_Biased	19.449	19.489	-0.040
100	B57_Biased	19.095	19.107	-0.012
100	B59_Biased	19.318	19.291	0.027
100	B62_Biased	19.765	19.607	0.158
100	B63_Biased	19.477	19.241	0.236
100	B64_Biased	19.693	19.418	0.275
100	B66_Biased	19.701	19.332	0.369
100	B68_Biased	19.469	19.214	0.255
100	C54_Biased	19.654	19.324	0.330
100	C55_Biased	19.120	19.020	0.100
100	C56_Biased	19.340	19.224	0.116
100	C57_Biased	19.064	19.092	-0.028
100	C58_Biased	19.504	19.402	0.102
100	C59_Biased	19.253	19.130	0.123
100	C65_Biased	19.272	19.077	0.195
100	C67_Biased	19.225	19.040	0.185
100	A122_Unbiased	19.450	19.459	-0.009
100	A138_Unbiased	19.074	19.060	0.014
100	A139_Unbiased	19.246	19.233	0.013
100	B60_Unbiased	19.683	19.345	0.338
100	B61_Unbiased	19.494	19.246	0.248
100	B69_Unbiased	19.683	19.320	0.363
100	B70_Unbiased	19.494	19.239	0.255
100	B71_Unbiased	19.090	19.035	0.055
100	B72_Unbiased	19.439	19.350	0.089
100	B73_Unbiased	19.519	19.359	0.160
100	B74_Unbiased	19.509	19.175	0.334
100	B77_Unbiased	19.522	19.314	0.208
100	B78_Unbiased	19.467	19.426	0.041
100	B79_Unbiased	19.382	19.186	0.196
100	B80_Unbiased	19.353	19.246	0.107
100	C70_Unbiased	19.507	19.023	0.484
100	C71_Unbiased	19.551	19.078	0.473
100	C72_Unbiased	19.312	19.058	0.254
100	C73_Unbiased	19.551	19.208	0.343
100	C75_Unbiased	19.070	18.954	0.116
100	C76_Unbiased	19.352	19.220	0.132
100	C79_Unbiased	19.385	19.288	0.097
	Max	19.765	21.295	0.484
	Average	19.375	19.285	0.089
	Min	18.993	18.950	-1.997
	Std Dev	0.193	0.273	0.272

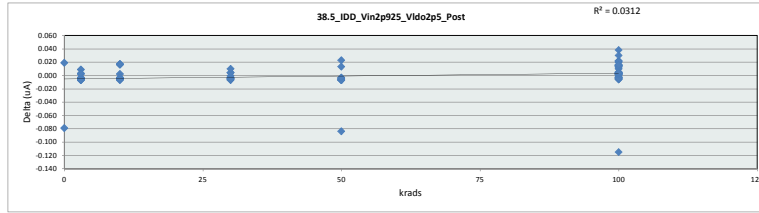


38.4_IQ_Vin2p925_Vido2p5_P						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	19.073	19.006	19.073	18.950	19.228	18.954
Average	19.157	19.216	19.329	19.295	19.394	19.270
Max	19.241	19.504	19.561	19.601	19.562	21.295
UL	30.000	30.000	30.000	30.000	30.000	30.000

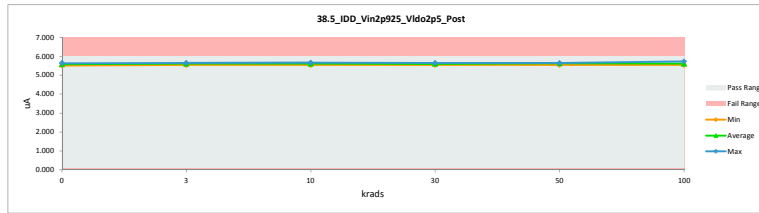


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38.5_IDD_Vin2p925_Vldo2p5_Pc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	5.556	5.635	-0.079
3	A116_Biased	5.633	5.640	-0.007
3	A117_Biased	5.618	5.625	-0.007
3	B36_Biased	5.631	5.634	-0.003
3	B37_Biased	5.628	5.632	-0.004
3	C39_Unbiased	5.617	5.615	0.002
3	A118_Unbiased	5.590	5.596	-0.006
3	A140_Unbiased	5.556	5.547	0.009
3	B38_Unbiased	5.586	5.590	-0.004
3	B39_Unbiased	5.640	5.646	-0.006
3	C40_Unbiased	5.541	5.538	0.003
10	A119_Biased	5.644	5.649	-0.005
10	A120_Biased	5.650	5.657	-0.007
10	B40_Biased	5.602	5.606	-0.004
10	C41_Biased	5.589	5.587	0.002
10	C42_Biased	5.555	5.538	0.017
10	A121_Unbiased	5.627	5.632	-0.005
10	A124_Unbiased	5.591	5.594	-0.003
10	B41_Unbiased	5.636	5.642	-0.006
10	C43_Unbiased	5.616	5.600	0.016
10	C44_Unbiased	5.593	5.576	0.017
30	A125_Biased	5.640	5.646	-0.006
30	B42_Biased	5.631	5.638	-0.007
30	B43_Biased	5.628	5.632	-0.004
30	C45_Biased	5.596	5.597	-0.001
30	C46_Biased	5.564	5.560	0.004
30	A127_Unbiased	5.624	5.624	-0.003
30	B45_Unbiased	5.628	5.633	-0.005
30	B47_Unbiased	5.551	5.556	-0.005
30	C47_Unbiased	5.548	5.544	0.004
30	C50_Unbiased	5.592	5.592	0.010
50	A128_Biased	5.628	5.632	-0.004
50	A129_Biased	5.627	5.632	-0.005
50	B48_Biased	5.631	5.637	-0.006
50	B49_Biased	5.628	5.635	-0.007
50	C51_Biased	5.656	5.645	0.013
50	A130_Unbiased	5.629	5.636	-0.007
50	A131_Unbiased	5.631	5.638	-0.007
50	B50_Unbiased	5.640	5.643	-0.003
50	B51_Unbiased	5.556	5.640	-0.084
50	C53_Unbiased	5.562	5.539	0.023
0	106_Corr	5.529	5.510	0.019
100	A132_Biased	5.614	5.617	-0.003
100	A134_Biased	5.612	5.727	-0.115
100	A135_Biased	5.622	5.672	-0.051
100	B52_Biased	5.556	5.560	-0.004
100	B54_Biased	5.637	5.640	-0.003
100	B55_Biased	5.616	5.622	-0.006
100	B56_Biased	5.613	5.619	-0.006
100	B57_Biased	5.563	5.566	-0.003
100	B59_Biased	5.633	5.637	-0.004
100	B62_Biased	5.634	5.631	0.003
100	B63_Biased	5.620	5.606	0.014
100	B64_Biased	5.658	5.636	0.022
100	B66_Biased	5.664	5.644	0.020
100	B68_Biased	5.656	5.640	0.016
100	C54_Biased	5.651	5.630	0.021
100	C55_Biased	5.551	5.550	0.001
100	C56_Biased	5.628	5.623	0.005
100	C57_Biased	5.552	5.549	0.003
100	C58_Biased	5.571	5.570	0.001
100	C59_Biased	5.584	5.582	0.002
100	C65_Biased	5.575	5.572	0.003
100	C67_Biased	5.543	5.538	0.005
100	A122_Unbiased	5.622	5.627	-0.005
100	A138_Unbiased	5.538	5.540	-0.002
100	A139_Unbiased	5.625	5.629	-0.004
100	B60_Unbiased	5.645	5.631	0.014
100	B61_Unbiased	5.648	5.610	0.038
100	B69_Unbiased	5.645	5.630	0.015
100	B70_Unbiased	5.648	5.633	0.015
100	B71_Unbiased	5.566	5.565	0.001
100	B72_Unbiased	5.617	5.614	0.003
100	B73_Unbiased	5.625	5.615	0.010
100	B74_Unbiased	5.599	5.588	0.011
100	B77_Unbiased	5.590	5.575	0.015
100	B78_Unbiased	5.643	5.641	0.002
100	B79_Unbiased	5.650	5.636	0.014
100	B80_Unbiased	5.596	5.593	0.003
100	C70_Unbiased	5.601	5.579	0.022
100	C71_Unbiased	5.586	5.556	0.030
100	C72_Unbiased	5.602	5.589	0.013
100	C73_Unbiased	5.628	5.612	0.016
100	C75_Unbiased	5.561	5.557	0.004
100	C76_Unbiased	5.608	5.604	0.004
100	C79_Unbiased	5.622	5.618	0.004
	Max	5.664	5.727	0.038
	Average	5.607	5.606	0.000
	Min	5.529	5.510	-0.115
	Std Dev	0.035	0.038	0.021

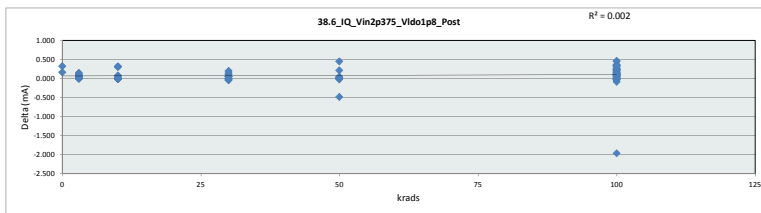


38.5_IDD_Vin2p925_Vldo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.510	5.538	5.538	5.544	5.539	5.538
Average	5.573	5.606	5.608	5.601	5.628	5.604
Max	5.635	5.646	5.657	5.646	5.643	5.727
UL	6.000	6.000	6.000	6.000	6.000	6.000

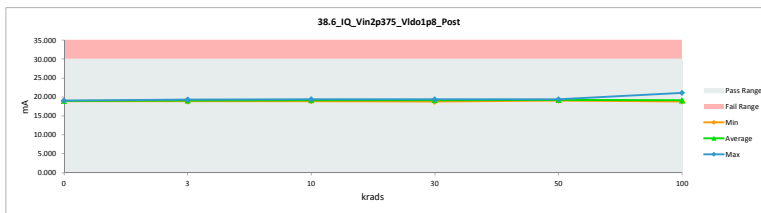


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38.6_IQ_Vin2p375_Vido1p8_Pos				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	19.229	19.066	0.163
3	A116_Biased	19.372	19.328	0.044
3	A117_Biased	18.953	18.957	-0.004
3	B36_Biased	19.111	19.079	0.032
3	B37_Biased	19.363	19.315	0.048
3	C39_Biased	19.055	18.962	0.093
3	A118_Unbiased	18.892	18.861	0.031
3	A140_Unbiased	19.229	19.082	0.147
3	B38_Unbiased	18.970	18.973	-0.003
3	B39_Unbiased	19.179	19.139	0.040
3	C40_Unbiased	18.963	18.867	0.096
10	A119_Biased	19.236	19.250	-0.014
10	A120_Biased	19.383	19.392	-0.009
10	B40_Biased	19.224	19.216	0.008
10	C41_Biased	19.266	19.183	0.083
10	C42_Biased	19.300	18.984	0.316
10	A121_Unbiased	19.143	19.158	-0.015
10	A124_Unbiased	18.939	18.906	0.033
10	B41_Unbiased	19.053	19.018	0.035
10	C43_Unbiased	19.597	19.282	0.315
10	C44_Unbiased	19.533	19.224	0.309
30	A125_Biased	19.382	19.438	-0.045
30	B42_Biased	19.263	19.219	0.044
30	B43_Biased	19.137	19.134	0.003
30	C45_Biased	19.167	19.115	0.052
30	C46_Biased	19.061	18.953	0.108
30	A127_Unbiased	19.214	19.240	-0.026
30	B45_Unbiased	19.385	19.391	-0.006
30	B47_Unbiased	18.821	18.776	0.045
30	C47_Unbiased	19.039	18.899	0.140
30	C50_Unbiased	19.354	19.153	0.201
50	A128_Biased	19.077	19.073	0.004
50	A129_Biased	19.173	19.148	0.025
50	B48_Biased	19.200	19.224	-0.024
50	B49_Biased	19.350	19.357	-0.007
50	C51_Biased	19.389	19.179	0.210
50	A130_Unbiased	19.388	19.386	0.002
50	A131_Unbiased	19.184	19.140	0.044
50	B50_Unbiased	19.360	19.347	0.013
50	B51_Unbiased	18.824	19.308	-0.484
50	C53_Unbiased	19.524	19.073	0.451
0	106_Corr	19.237	18.917	0.320
100	A132_Biased	19.036	19.068	-0.032
100	A134_Biased	19.123	21.087	-1.964
100	A135_Biased	19.036	18.950	0.086
100	B52_Biased	18.822	18.913	-0.091
100	B54_Biased	19.087	19.032	0.055
100	B55_Biased	18.991	18.936	0.055
100	B56_Biased	19.269	19.309	-0.040
100	B57_Biased	18.926	18.936	-0.010
100	B59_Biased	19.140	19.118	0.022
100	B62_Biased	19.584	19.429	0.155
100	B63_Biased	19.299	19.063	0.236
100	B64_Biased	19.512	19.242	0.270
100	B66_Biased	19.518	19.155	0.363
100	B68_Biased	19.296	19.046	0.250
100	C54_Biased	19.474	19.147	0.327
100	C55_Biased	18.965	18.863	0.102
100	C56_Biased	19.183	19.067	0.116
100	C57_Biased	18.906	18.932	-0.026
100	C58_Biased	19.344	19.257	0.087
100	C59_Biased	19.102	18.972	0.130
100	C65_Biased	19.101	18.906	0.195
100	C67_Biased	19.060	18.886	0.174
100	A122_Unbiased	19.271	19.282	-0.011
100	A138_Unbiased	18.907	18.895	0.012
100	A139_Unbiased	19.076	19.066	0.010
100	B60_Unbiased	19.503	19.175	0.328
100	B61_Unbiased	19.314	19.074	0.240
100	B69_Unbiased	19.503	19.146	0.357
100	B70_Unbiased	19.314	19.062	0.252
100	B71_Unbiased	18.943	18.872	0.071
100	B72_Unbiased	19.262	19.176	0.086
100	B73_Unbiased	19.343	19.184	0.159
100	B74_Unbiased	19.330	19.003	0.327
100	B77_Unbiased	19.345	19.139	0.206
100	B78_Unbiased	19.288	19.249	0.039
100	B79_Unbiased	19.206	19.013	0.193
100	B80_Unbiased	19.175	19.079	0.096
100	C70_Unbiased	19.347	18.882	0.465
100	C71_Unbiased	19.378	18.928	0.450
100	C72_Unbiased	19.155	18.912	0.243
100	C73_Unbiased	19.386	19.046	0.340
100	C75_Unbiased	18.897	18.785	0.112
100	C76_Unbiased	19.203	19.077	0.126
100	C79_Unbiased	19.245	19.150	0.095
	Max	19.597	21.087	0.465
	Average	19.206	19.119	0.087
	Min	18.821	18.776	-1.964
	Std Dev	0.190	0.267	0.267

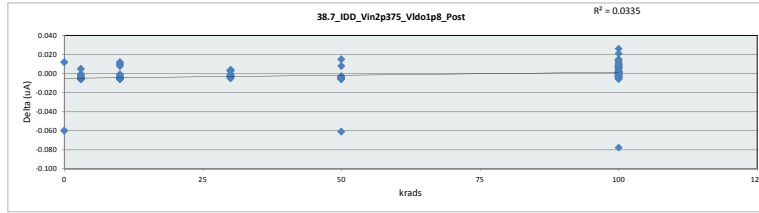


38.6_IQ_Vin2p375_Vido1p8_P						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.917	18.861	18.906	18.776	19.073	18.785
Average	18.992	19.056	19.161	19.132	19.224	19.102
Max	19.066	19.328	19.392	19.438	19.386	21.087
UL	30.000	30.000	30.000	30.000	30.000	30.000

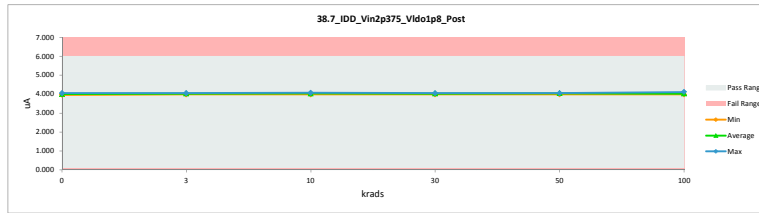


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38.7_IDD_Vin2p375_Vldo1p8_Post				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	3.993	4.053	-0.060
3	A116_Biased	4.049	4.055	-0.006
3	A117_Biased	4.039	4.045	-0.006
3	B36_Biased	4.047	4.052	-0.005
3	B37_Biased	4.045	4.048	-0.003
3	C39_Biased	4.037	4.038	-0.001
3	A118_Unbiased	4.019	4.025	-0.006
3	A140_Unbiased	3.993	3.988	0.005
3	B38_Unbiased	4.015	4.020	-0.005
3	B39_Unbiased	4.055	4.059	-0.004
3	C40_Unbiased	3.982	3.983	-0.001
10	A119_Biased	4.057	4.062	-0.005
10	A120_Biased	4.062	4.064	-0.004
10	B40_Biased	4.027	4.032	-0.005
10	C41_Biased	4.017	4.018	-0.001
10	C42_Biased	3.993	3.981	0.012
10	A121_Unbiased	4.044	4.050	-0.006
10	A124_Unbiased	4.019	4.025	-0.006
10	B41_Unbiased	4.052	4.055	-0.003
10	C43_Unbiased	4.037	4.029	0.008
10	C44_Unbiased	4.019	4.009	0.010
30	A125_Biased	4.054	4.059	-0.005
30	B42_Biased	4.049	4.052	-0.003
30	B43_Biased	4.045	4.048	-0.003
30	C45_Biased	4.022	4.023	-0.001
30	C46_Biased	4.000	3.997	0.003
30	A127_Unbiased	4.040	4.045	-0.005
30	B45_Unbiased	4.046	4.049	-0.003
30	B47_Unbiased	3.991	3.993	-0.002
30	C47_Unbiased	3.988	3.985	0.003
30	C50_Unbiased	4.019	4.015	0.004
50	A128_Biased	4.046	4.051	-0.005
50	A129_Biased	4.044	4.049	-0.005
50	B48_Biased	4.048	4.054	-0.006
50	B49_Biased	4.046	4.052	-0.006
50	C51_Biased	4.066	4.068	-0.002
50	A130_Unbiased	4.047	4.052	-0.005
50	A131_Unbiased	4.048	4.052	-0.004
50	B50_Unbiased	4.053	4.056	-0.003
50	B51_Unbiased	3.994	4.051	-0.061
50	C53_Unbiased	3.997	3.982	0.015
0	106_Corr	3.974	3.962	0.012
100	A132_Biased	4.034	4.040	-0.006
100	A134_Biased	4.035	4.113	-0.078
100	A135_Biased	4.005	4.008	-0.003
100	B52_Biased	3.994	3.997	-0.003
100	B54_Biased	4.052	4.055	-0.003
100	B55_Biased	4.037	4.040	-0.003
100	B56_Biased	4.035	4.040	-0.005
100	B57_Biased	3.999	4.002	-0.003
100	B59_Biased	4.049	4.053	-0.004
100	B62_Biased	4.049	4.049	0.000
100	B63_Biased	4.039	4.031	0.008
100	B64_Biased	4.067	4.054	0.013
100	B66_Biased	4.072	4.057	0.015
100	B68_Biased	4.064	4.058	0.006
100	C54_Biased	4.060	4.050	0.010
100	C55_Biased	3.990	3.990	0.000
100	C56_Biased	4.044	4.042	0.002
100	C57_Biased	3.992	3.988	0.004
100	C58_Biased	4.005	4.003	0.002
100	C59_Biased	4.013	4.012	0.001
100	C65_Biased	4.007	4.008	-0.001
100	C67_Biased	3.985	3.983	0.002
100	A122_Unbiased	4.041	4.046	-0.005
100	A138_Unbiased	3.981	3.983	-0.002
100	A139_Unbiased	4.044	4.047	-0.003
100	B60_Unbiased	4.057	4.050	0.007
100	B61_Unbiased	4.059	4.033	0.026
100	B69_Unbiased	4.057	4.050	0.007
100	B70_Unbiased	4.059	4.050	0.009
100	B71_Unbiased	4.000	3.999	0.001
100	B72_Unbiased	4.037	4.038	-0.001
100	B73_Unbiased	4.042	4.037	0.005
100	B74_Unbiased	4.024	4.018	0.006
100	B77_Unbiased	4.018	4.007	0.011
100	B78_Unbiased	4.057	4.056	0.001
100	B79_Unbiased	4.061	4.051	0.010
100	B80_Unbiased	4.023	4.023	0.000
100	C70_Unbiased	4.025	4.011	0.014
100	C71_Unbiased	4.016	3.995	0.021
100	C72_Unbiased	4.027	4.019	0.008
100	C73_Unbiased	4.045	4.036	0.009
100	C75_Unbiased	3.997	3.996	0.001
100	C76_Unbiased	4.031	4.029	0.002
100	C79_Unbiased	4.041	4.041	0.000
	Max	4.072	4.113	0.026
	Average	4.030	4.031	-0.001
	Min	3.974	3.962	-0.078
	Std Dev	0.025	0.027	0.014

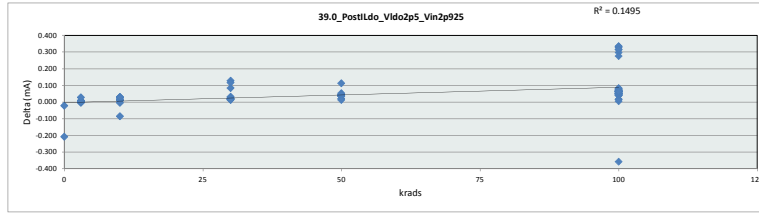


38.7_IDD_Vin2p375_Vldo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.962	3.983	3.981	3.985	3.982	3.983
Average	4.008	4.031	4.033	4.027	4.046	4.029
Max	4.053	4.059	4.066	4.059	4.058	4.113
UL	6.000	6.000	6.000	6.000	6.000	6.000

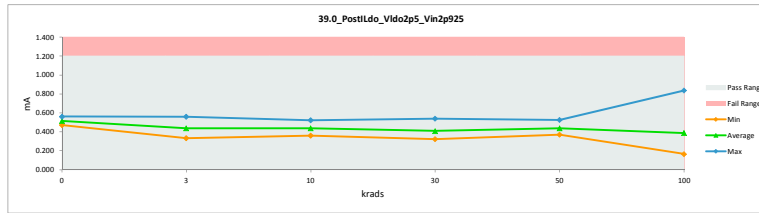


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39_0_Post1Ldo_Vldo2p5_Vin2p92				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.353	0.562	-0.209
3	A116_Biased	0.384	0.380	0.004
3	A117_Biased	0.513	0.507	0.006
3	B36_Biased	0.568	0.561	0.007
3	B37_Biased	0.440	0.435	0.005
3	C39_Biased	0.443	0.443	0.000
3	A118_Unbiased	0.338	0.334	0.004
3	A140_Unbiased	0.353	0.357	-0.004
3	B38_Unbiased	0.539	0.530	0.009
3	B39_Unbiased	0.407	0.403	0.004
3	C40_Unbiased	0.464	0.436	0.028
10	A119_Biased	0.372	0.361	0.011
10	A120_Biased	0.418	0.406	0.012
10	B40_Biased	0.483	0.459	0.024
10	C41_Biased	0.510	0.479	0.031
10	C42_Biased	0.373	0.459	-0.086
10	A121_Unbiased	0.418	0.406	0.012
10	A124_Unbiased	0.520	0.491	0.029
10	B41_Unbiased	0.433	0.423	0.010
10	C43_Unbiased	0.415	0.420	-0.005
10	C44_Unbiased	0.552	0.522	0.030
30	A125_Biased	0.414	0.332	0.082
30	B42_Biased	0.419	0.395	0.024
30	B43_Biased	0.518	0.389	0.129
30	C45_Biased	0.437	0.418	0.019
30	C46_Biased	0.387	0.371	0.016
30	A127_Unbiased	0.351	0.331	0.020
30	B45_Unbiased	0.465	0.451	0.014
30	B47_Unbiased	0.622	0.539	0.083
30	C47_Unbiased	0.440	0.324	0.116
30	C50_Unbiased	0.407	0.405	0.002
50	A128_Biased	0.502	0.467	0.035
50	A129_Biased	0.503	0.457	0.046
50	B48_Biased	0.445	0.408	0.037
50	B49_Biased	0.413	0.377	0.036
50	C51_Biased	0.437	0.417	0.020
50	A130_Unbiased	0.405	0.370	0.035
50	A131_Unbiased	0.579	0.526	0.053
50	B50_Unbiased	0.559	0.515	0.044
50	B51_Unbiased	0.358	0.426	0.112
50	C53_Unbiased	0.439	0.426	0.013
0	106_Corr	0.450	0.471	-0.021
100	A132_Biased	0.467	0.399	0.068
100	A134_Biased	0.480	0.838	-0.358
100	A135_Biased	0.495	0.168	0.327
100	B52_Biased	0.539	0.459	0.080
100	B54_Biased	0.486	0.408	0.078
100	B55_Biased	0.551	0.511	0.040
100	B56_Biased	0.491	0.426	0.065
100	B57_Biased	0.540	0.466	0.074
100	B59_Biased	0.486	0.426	0.060
100	B62_Biased	0.532	0.464	0.068
100	B63_Biased	0.445	0.396	0.049
100	B64_Biased	0.456	0.412	0.044
100	B66_Biased	0.463	0.424	0.039
100	B68_Biased	0.466	0.415	0.051
100	C54_Biased	0.414	0.373	0.041
100	C55_Biased	0.500	0.437	0.063
100	C56_Biased	0.451	0.388	0.063
100	C57_Biased	0.418	0.365	0.053
100	C58_Biased	0.501	0.429	0.072
100	C59_Biased	0.487	0.422	0.065
100	C65_Biased	0.512	0.179	0.333
100	C67_Biased	0.385	0.368	0.017
100	A122_Unbiased	0.442	0.378	0.064
100	A138_Unbiased	0.597	0.514	0.083
100	A139_Unbiased	0.437	0.371	0.066
100	B60_Unbiased	0.446	0.441	0.005
100	B61_Unbiased	0.492	0.446	0.046
100	B69_Unbiased	0.446	0.394	0.052
100	B70_Unbiased	0.492	0.178	0.314
100	B71_Unbiased	0.502	0.336	0.166
100	B72_Unbiased	0.517	0.465	0.052
100	B73_Unbiased	0.453	0.399	0.054
100	B74_Unbiased	0.533	0.235	0.298
100	B77_Unbiased	0.527	0.251	0.276
100	B78_Unbiased	0.451	0.389	0.062
100	B79_Unbiased	0.446	0.429	0.017
100	B80_Unbiased	0.500	0.438	0.062
100	C70_Unbiased	0.483	0.430	0.053
100	C71_Unbiased	0.401	0.357	0.044
100	C72_Unbiased	0.446	0.388	0.058
100	C73_Unbiased	0.421	0.366	0.055
100	C75_Unbiased	0.505	0.189	0.316
100	C76_Unbiased	0.429	0.363	0.066
100	C79_Unbiased	0.398	0.336	0.062
	Max	0.622	0.838	0.336
	Average	0.465	0.411	0.054
	Min	0.338	0.166	-0.358
	Std Dev	0.059	0.095	0.098

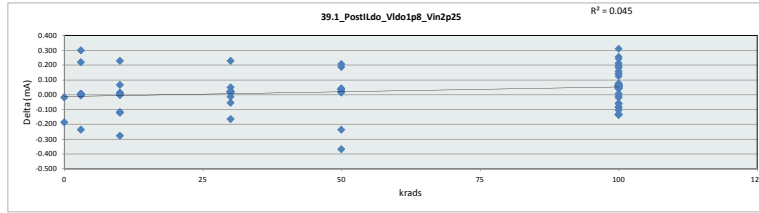


39_0_Post1Ldo_Vldo2p5_Vin2p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	LL	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.471	0.334	0.361	0.324	0.370	0.166
Average	0.517	0.439	0.439	0.410	0.439	0.389
Max	0.562	0.561	0.522	0.539	0.526	0.838
UL	1.200	1.200	1.200	1.200	1.200	1.200

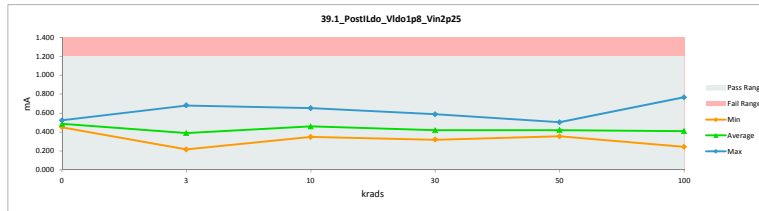


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39_1_PostIldo_Vldo1p8_Vin2p25				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.338	0.524	-0.186
3	A116_Biased	0.369	0.364	0.005
3	A117_Biased	0.491	0.486	0.005
3	B36_Biased	0.473	0.253	0.220
3	B37_Biased	0.422	0.418	0.004
3	C39_Biased	0.425	0.424	0.001
3	A118_Unbiased	0.325	0.317	0.006
3	A140_Unbiased	0.338	0.344	-0.006
3	B38_Unbiased	0.516	0.217	0.299
3	B39_Unbiased	0.390	0.385	0.005
3	C40_Unbiased	0.445	0.681	-0.236
10	A119_Biased	0.356	0.347	0.009
10	A120_Biased	0.361	0.351	0.010
10	B40_Biased	0.635	0.569	0.066
10	C41_Biased	0.268	0.386	-0.118
10	C42_Biased	0.669	0.440	0.229
10	A121_Unbiased	0.401	0.390	0.011
10	A124_Unbiased	0.372	0.450	-0.278
10	B41_Unbiased	0.416	0.407	0.009
10	C43_Unbiased	0.398	0.402	-0.004
10	C44_Unbiased	0.531	0.652	-0.121
30	A125_Biased	0.415	0.346	0.049
30	B42_Biased	0.403	0.380	0.023
30	B43_Biased	0.635	0.407	0.228
30	C45_Biased	0.420	0.399	0.021
30	C46_Biased	0.373	0.355	0.018
30	A127_Unbiased	0.337	0.319	0.018
30	B45_Unbiased	0.269	0.434	-0.165
30	B47_Unbiased	0.574	0.588	-0.014
30	C47_Unbiased	0.422	0.477	-0.055
30	C50_Unbiased	0.488	0.473	0.015
50	A128_Biased	0.634	0.448	0.186
50	A129_Biased	0.201	0.438	-0.237
50	B48_Biased	0.428	0.391	0.037
50	B49_Biased	0.396	0.361	0.035
50	C51_Biased	0.420	0.401	0.019
50	A130_Unbiased	0.388	0.355	0.033
50	A131_Unbiased	0.134	0.503	-0.369
50	B50_Unbiased	0.536	0.493	0.043
50	B51_Unbiased	0.614	0.408	0.206
50	C53_Unbiased	0.422	0.407	0.015
0	106_Corr	0.432	0.451	-0.019
100	A132_Biased	0.296	0.383	-0.087
100	A134_Biased	0.633	0.767	-0.134
100	A135_Biased	0.467	0.391	0.076
100	B52_Biased	0.421	0.441	-0.020
100	B54_Biased	0.549	0.390	0.159
100	B55_Biased	0.386	0.519	-0.133
100	B56_Biased	0.406	0.408	0.198
100	B57_Biased	0.518	0.447	0.071
100	B59_Biased	0.591	0.408	0.183
100	B62_Biased	0.510	0.443	0.067
100	B63_Biased	0.429	0.380	0.049
100	B64_Biased	0.438	0.394	0.044
100	B66_Biased	0.446	0.407	0.039
100	B68_Biased	0.447	0.397	0.050
100	C54_Biased	0.400	0.357	0.043
100	C55_Biased	0.482	0.420	0.062
100	C56_Biased	0.432	0.370	0.062
100	C57_Biased	0.401	0.350	0.051
100	C58_Biased	0.481	0.410	0.071
100	C59_Biased	0.468	0.406	0.062
100	C65_Biased	0.644	0.388	0.256
100	C67_Biased	0.664	0.354	0.310
100	A122_Unbiased	0.353	0.363	-0.010
100	A138_Unbiased	0.614	0.489	0.125
100	A139_Unbiased	0.418	0.356	0.062
100	B60_Unbiased	0.430	0.422	0.008
100	B61_Unbiased	0.568	0.428	0.140
100	B69_Unbiased	0.430	0.377	0.053
100	B70_Unbiased	0.568	0.354	0.214
100	B71_Unbiased	0.423	0.485	-0.062
100	B72_Unbiased	0.388	0.445	-0.057
100	B73_Unbiased	0.437	0.385	0.052
100	B74_Unbiased	0.563	0.320	0.243
100	B77_Unbiased	0.658	0.470	0.188
100	B78_Unbiased	0.433	0.372	0.061
100	B79_Unbiased	0.555	0.411	0.144
100	B80_Unbiased	0.340	0.421	-0.081
100	C70_Unbiased	0.464	0.410	0.054
100	C71_Unbiased	0.139	0.243	-0.104
100	C72_Unbiased	0.235	0.372	-0.137
100	C73_Unbiased	0.405	0.350	0.055
100	C75_Unbiased	0.497	0.627	-0.130
100	C76_Unbiased	0.411	0.349	0.062
100	C79_Unbiased	0.382	0.321	0.061
	Max	0.669	0.767	0.310
	Average	0.445	0.417	0.028
	Min	0.134	0.217	-0.369
	Std Dev	0.112	0.090	0.124

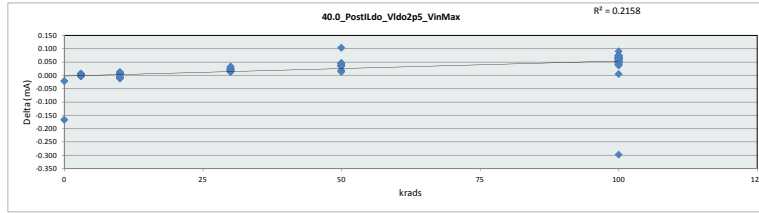


39_1_PostIldo_Vldo1p8_Vin2p25						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.451	0.217	0.347	0.319	0.355	0.243
Average	0.488	0.389	0.459	0.420	0.421	0.409
Max	0.524	0.681	0.652	0.588	0.503	0.767
UL	1.200	1.200	1.200	1.200	1.200	1.200

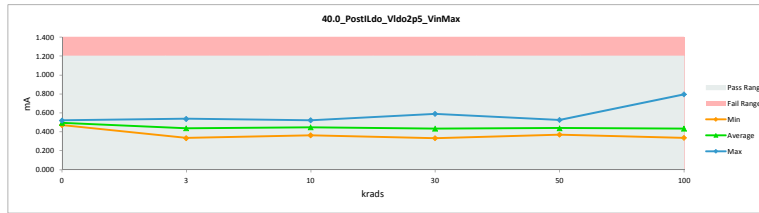


TID 100krad HDR Report
TPS7H3301-SP

40.0_PostTldo_Vido2p5_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.355	0.521	-0.166
3	A116_Biased	0.385	0.380	0.005
3	A117_Biased	0.515	0.508	0.007
3	B36_Biased	0.525	0.521	0.004
3	B37_Biased	0.441	0.436	0.005
3	C39_Biased	0.444	0.444	0.000
3	A118_Unbiased	0.340	0.335	0.005
3	A140_Unbiased	0.355	0.358	-0.003
3	B38_Unbiased	0.540	0.538	0.002
3	B39_Unbiased	0.408	0.403	0.005
3	C40_Unbiased	0.466	0.468	-0.002
10	A119_Biased	0.373	0.363	0.010
10	A120_Biased	0.378	0.369	0.009
10	B40_Biased	0.516	0.505	0.011
10	C41_Biased	0.510	0.505	0.005
10	C42_Biased	0.450	0.458	-0.008
10	A121_Unbiased	0.419	0.409	0.010
10	A124_Unbiased	0.516	0.506	0.010
10	B41_Unbiased	0.435	0.424	0.011
10	C43_Unbiased	0.416	0.420	-0.004
10	C44_Unbiased	0.511	0.522	-0.011
30	A125_Biased	0.407	0.384	0.023
30	B42_Biased	0.421	0.397	0.024
30	B43_Biased	0.507	0.482	0.025
30	C45_Biased	0.438	0.419	0.019
30	C46_Biased	0.388	0.372	0.016
30	A127_Unbiased	0.352	0.333	0.019
30	B45_Unbiased	0.480	0.453	0.027
30	B47_Unbiased	0.623	0.590	0.033
30	C47_Unbiased	0.441	0.423	0.018
30	C50_Unbiased	0.429	0.426	0.003
50	A128_Biased	0.513	0.468	0.045
50	A129_Biased	0.501	0.458	0.043
50	B48_Biased	0.446	0.411	0.035
50	B49_Biased	0.414	0.377	0.037
50	C51_Biased	0.438	0.419	0.019
50	A130_Unbiased	0.406	0.371	0.035
50	A131_Unbiased	0.573	0.527	0.046
50	B50_Unbiased	0.561	0.516	0.045
50	B51_Unbiased	0.531	0.427	0.104
50	C53_Unbiased	0.441	0.427	0.014
0	106_Corr	0.451	0.472	-0.021
100	A132_Biased	0.468	0.401	0.067
100	A134_Biased	0.500	0.797	-0.297
100	A135_Biased	0.525	0.450	0.075
100	B52_Biased	0.531	0.460	0.071
100	B54_Biased	0.475	0.409	0.066
100	B55_Biased	0.526	0.452	0.074
100	B56_Biased	0.495	0.427	0.068
100	B57_Biased	0.542	0.467	0.075
100	B59_Biased	0.495	0.427	0.068
100	B62_Biased	0.534	0.466	0.068
100	B63_Biased	0.445	0.397	0.048
100	B64_Biased	0.457	0.414	0.043
100	B66_Biased	0.465	0.426	0.039
100	B68_Biased	0.467	0.418	0.049
100	C54_Biased	0.415	0.373	0.042
100	C55_Biased	0.501	0.438	0.063
100	C56_Biased	0.452	0.390	0.062
100	C57_Biased	0.418	0.365	0.053
100	C58_Biased	0.501	0.429	0.072
100	C59_Biased	0.487	0.423	0.064
100	C65_Biased	0.538	0.463	0.075
100	C67_Biased	0.426	0.370	0.056
100	A122_Unbiased	0.451	0.380	0.071
100	A138_Unbiased	0.618	0.527	0.091
100	A139_Unbiased	0.438	0.373	0.065
100	B60_Unbiased	0.447	0.442	0.005
100	B61_Unbiased	0.501	0.449	0.052
100	B69_Unbiased	0.447	0.396	0.051
100	B70_Unbiased	0.501	0.451	0.050
100	B71_Unbiased	0.556	0.474	0.074
100	B72_Unbiased	0.542	0.467	0.075
100	B73_Unbiased	0.454	0.401	0.053
100	B74_Unbiased	0.567	0.503	0.064
100	B77_Unbiased	0.575	0.526	0.049
100	B78_Unbiased	0.453	0.390	0.063
100	B79_Unbiased	0.478	0.429	0.049
100	B80_Unbiased	0.501	0.440	0.061
100	C70_Unbiased	0.484	0.429	0.055
100	C71_Unbiased	0.444	0.338	0.106
100	C72_Unbiased	0.448	0.388	0.060
100	C73_Unbiased	0.423	0.366	0.057
100	C75_Unbiased	0.532	0.466	0.066
100	C76_Unbiased	0.429	0.362	0.067
100	C78_Unbiased	0.499	0.338	0.161
	Max	0.623	0.797	0.104
	Average	0.471	0.439	0.033
	Min	0.340	0.333	-0.297
	Std Dev	0.059	0.066	0.051

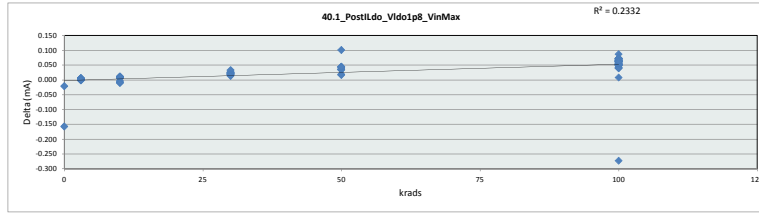


40.0_PostTldo_Vido2p5_VinMax						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	1.2					
Min Limit	0					
krads	LL	Min	Average	Max	UL	Pass Range
0	0.000	0.000	0.000	0.000	0.000	0.000
3	0.472	0.335	0.363	0.333	0.371	0.338
10	0.497	0.439	0.448	0.435	0.440	0.434
30	0.521	0.538	0.522	0.590	0.527	0.797
50	1.200	1.200	1.200	1.200	1.200	1.200
100						

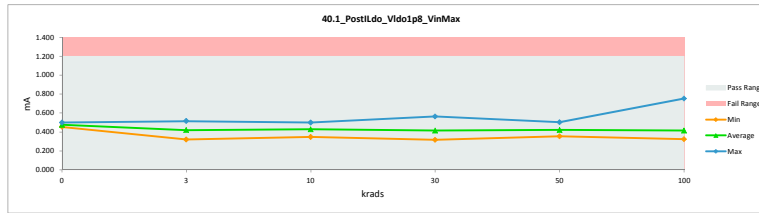


TID 100krad HDR Report
TPS7H3301-SP

40.1_PostTldo_Vldo1p8_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.341	0.499	-0.158
3	A116_Biased	0.370	0.365	0.005
3	A117_Biased	0.492	0.486	0.006
3	B36_Biased	0.504	0.498	0.006
3	B37_Biased	0.422	0.419	0.003
3	C39_Biased	0.425	0.425	0.000
3	A118_Unbiased	0.325	0.320	0.005
3	A140_Unbiased	0.341	0.343	-0.002
3	B38_Unbiased	0.517	0.515	0.002
3	B39_Unbiased	0.390	0.386	0.004
3	C40_Unbiased	0.446	0.446	0.000
10	A119_Biased	0.357	0.348	0.009
10	A120_Biased	0.362	0.353	0.009
10	B40_Biased	0.495	0.484	0.011
10	C41_Biased	0.489	0.483	0.006
10	C42_Biased	0.432	0.440	-0.008
10	A121_Unbiased	0.401	0.391	0.010
10	A124_Unbiased	0.495	0.484	0.011
10	B41_Unbiased	0.416	0.407	0.009
10	C43_Unbiased	0.399	0.403	-0.004
10	C44_Unbiased	0.491	0.501	-0.010
30	A125_Biased	0.389	0.367	0.022
30	B42_Biased	0.404	0.380	0.024
30	B43_Biased	0.488	0.462	0.026
30	C45_Biased	0.420	0.400	0.020
30	C46_Biased	0.374	0.355	0.019
30	A127_Unbiased	0.338	0.318	0.020
30	B45_Unbiased	0.460	0.436	0.024
30	B47_Unbiased	0.598	0.565	0.033
30	C47_Unbiased	0.424	0.405	0.019
30	C50_Unbiased	0.487	0.474	0.013
50	A128_Biased	0.492	0.448	0.044
50	A129_Biased	0.479	0.439	0.040
50	B48_Biased	0.428	0.393	0.035
50	B49_Biased	0.397	0.361	0.036
50	C51_Biased	0.421	0.402	0.019
50	A130_Unbiased	0.389	0.355	0.034
50	A131_Unbiased	0.549	0.504	0.045
50	B50_Unbiased	0.537	0.494	0.043
50	B51_Unbiased	0.510	0.409	0.101
50	C53_Unbiased	0.424	0.407	0.017
0	106_Corr	0.433	0.454	-0.021
100	A132_Biased	0.449	0.383	0.066
100	A134_Biased	0.480	0.753	-0.273
100	A135_Biased	0.505	0.432	0.073
100	B52_Biased	0.511	0.442	0.069
100	B54_Biased	0.454	0.390	0.064
100	B55_Biased	0.504	0.432	0.072
100	B56_Biased	0.474	0.408	0.066
100	B57_Biased	0.519	0.446	0.073
100	B59_Biased	0.474	0.408	0.066
100	B62_Biased	0.510	0.445	0.065
100	B63_Biased	0.429	0.380	0.049
100	B64_Biased	0.438	0.396	0.042
100	B66_Biased	0.447	0.408	0.039
100	B68_Biased	0.448	0.398	0.050
100	C54_Biased	0.401	0.359	0.042
100	C55_Biased	0.483	0.420	0.063
100	C56_Biased	0.433	0.372	0.061
100	C57_Biased	0.401	0.350	0.051
100	C58_Biased	0.481	0.411	0.070
100	C59_Biased	0.469	0.407	0.062
100	C65_Biased	0.517	0.445	0.072
100	C67_Biased	0.409	0.354	0.055
100	A122_Unbiased	0.433	0.364	0.069
100	A138_Unbiased	0.594	0.507	0.087
100	A139_Unbiased	0.419	0.357	0.062
100	B60_Unbiased	0.431	0.423	0.008
100	B61_Unbiased	0.481	0.430	0.051
100	B69_Unbiased	0.431	0.379	0.052
100	B70_Unbiased	0.481	0.431	0.050
100	B71_Unbiased	0.533	0.450	0.073
100	B72_Unbiased	0.520	0.447	0.073
100	B73_Unbiased	0.439	0.386	0.053
100	B74_Unbiased	0.545	0.483	0.062
100	B77_Unbiased	0.553	0.503	0.050
100	B78_Unbiased	0.460	0.373	0.087
100	B79_Unbiased	0.460	0.411	0.049
100	B80_Unbiased	0.481	0.421	0.060
100	C70_Unbiased	0.466	0.412	0.054
100	C71_Unbiased	0.464	0.425	0.039
100	C72_Unbiased	0.432	0.371	0.061
100	C73_Unbiased	0.406	0.351	0.055
100	C75_Unbiased	0.512	0.447	0.065
100	C76_Unbiased	0.412	0.349	0.063
100	C79_Unbiased	0.384	0.323	0.061
	Max	0.598	0.753	0.101
	Average	0.452	0.420	0.032
	Min	0.325	0.318	-0.273
	Std Dev	0.057	0.063	0.048

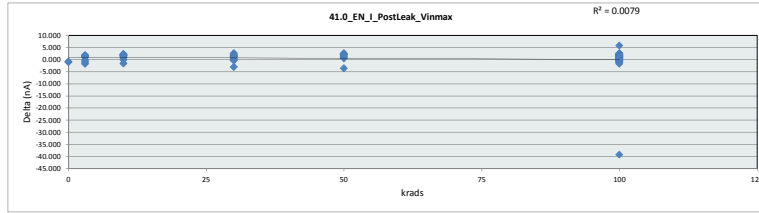


40.1_PostTldo_Vldo1p8_VinMax						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.454	0.320	0.348	0.318	0.355	0.323
Average	0.477	0.420	0.429	0.416	0.421	0.416
Max	0.499	0.515	0.501	0.565	0.504	0.753
UL	1.200	1.200	1.200	1.200	1.200	1.200

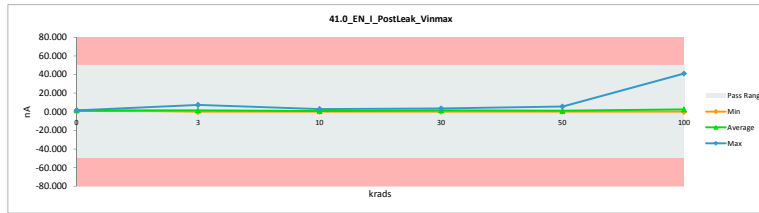


TID 100krad HDR Report
TPS7H3301-SP

41.0_EN_I_PostLeak_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	nA		
Min Limit	-50	-50		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.695	1.607	-0.912
3	A116_Biased	1.800	1.843	-0.043
3	A117_Biased	2.351	1.224	1.127
3	B36_Biased	2.461	0.978	1.483
3	B37_Biased	2.414	0.768	1.646
3	C39_Biased	2.382	0.900	1.482
3	A118_Unbiased	5.671	7.348	-1.677
3	A140_Unbiased	0.695	1.654	-0.959
3	B38_Unbiased	2.241	0.736	1.505
3	B39_Unbiased	1.911	0.050	1.861
3	C40_Unbiased	2.194	0.538	1.656
10	A119_Biased	1.863	1.890	-0.027
10	A120_Biased	2.052	0.312	1.740
10	B40_Biased	2.288	0.569	1.719
10	C41_Biased	2.776	0.626	2.150
10	C42_Biased	2.556	0.632	1.924
10	A121_Unbiased	2.398	1.428	0.970
10	A124_Unbiased	1.329	2.881	-1.552
10	B41_Unbiased	2.382	0.123	2.259
10	C43_Unbiased	2.666	1.287	1.379
10	C44_Unbiased	2.304	0.097	2.207
30	A125_Biased	1.795	1.580	0.215
30	B42_Biased	0.652	3.652	-3.000
30	B43_Biased	1.690	1.129	0.561
30	C45_Biased	2.713	0.097	2.616
30	C46_Biased	3.326	3.133	0.193
30	A127_Unbiased	2.508	2.834	-0.326
30	B45_Unbiased	2.697	1.513	1.184
30	B47_Unbiased	2.493	0.412	2.081
30	C47_Unbiased	2.760	0.978	1.782
30	C50_Unbiased	1.832	0.500	1.332
50	A128_Biased	2.477	0.312	2.165
50	A129_Biased	1.659	1.041	0.618
50	B48_Biased	1.832	0.752	1.080
50	B49_Biased	2.288	1.088	1.200
50	C51_Biased	3.338	0.506	2.832
50	A130_Unbiased	2.179	5.681	-3.502
50	A131_Unbiased	2.445	0.610	1.835
50	B50_Unbiased	2.367	0.139	2.228
50	B51_Unbiased	2.351	0.107	2.244
50	C53_Unbiased	2.744	0.705	2.039
0	106_Corr	0.553	1.466	-0.913
100	A132_Biased	2.650	0.176	2.474
100	A134_Biased	1.785	41.038	-39.253
100	A135_Biased	2.304	2.535	-0.231
100	B52_Biased	2.681	0.139	2.542
100	B54_Biased	2.382	2.913	-0.531
100	B55_Biased	2.461	2.928	-0.467
100	B56_Biased	2.445	1.419	1.026
100	B57_Biased	2.335	2.048	0.287
100	B59_Biased	2.209	2.708	-0.499
100	B62_Biased	2.524	0.648	1.876
100	B63_Biased	2.209	3.070	-0.861
100	B64_Biased	5.184	6.861	-1.677
100	B66_Biased	1.785	2.488	-0.703
100	B68_Biased	2.398	3.495	-1.097
100	C54_Biased	2.320	0.343	1.977
100	C55_Biased	2.209	0.028	2.181
100	C56_Biased	1.513	1.025	0.288
100	C57_Biased	2.697	1.183	1.514
100	C58_Biased	2.147	1.135	1.012
100	C59_Biased	2.178	2.063	0.115
100	C65_Biased	2.398	2.236	0.162
100	C67_Biased	2.760	1.403	1.357
100	A122_Unbiased	2.005	0.610	1.395
100	A138_Unbiased	2.099	0.365	1.734
100	A139_Unbiased	2.272	0.396	1.876
100	B60_Unbiased	3.185	2.205	0.980
100	B61_Unbiased	2.807	1.680	1.127
100	B69_Unbiased	3.185	2.221	0.964
100	B70_Unbiased	2.807	0.302	2.505
100	B71_Unbiased	2.445	2.998	-0.553
100	B72_Unbiased	1.800	1.592	0.208
100	B73_Unbiased	1.706	3.023	-1.317
100	B74_Unbiased	2.320	1.953	0.367
100	B77_Unbiased	2.147	0.988	1.159
100	B78_Unbiased	1.974	1.742	0.232
100	B79_Unbiased	2.162	0.994	1.168
100	B80_Unbiased	2.351	0.894	1.457
100	C70_Unbiased	2.540	0.658	1.882
100	C71_Unbiased	2.115	0.327	1.788
100	C72_Unbiased	2.917	0.296	2.621
100	C73_Unbiased	2.618	1.623	0.995
100	C75_Unbiased	6.677	0.831	5.846
100	C76_Unbiased	2.304	1.686	0.618
100	C79_Unbiased	2.520	0.579	1.941
	Max	6.677	41.038	5.846
	Average	2.373	1.910	0.463
	Min	0.553	0.028	-39.253
	Std Dev	0.850	4.481	4.553

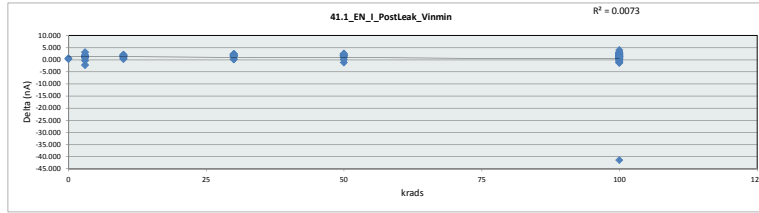


41.0_EN_I_PostLeak_Vinmax						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	1.466	0.050	0.097	0.097	0.107	0.028
Average	1.537	1.604	0.985	1.453	1.094	2.496
Max	1.607	7.348	2.881	3.652	5.681	41.038
UL	50.000	50.000	50.000	50.000	50.000	50.000

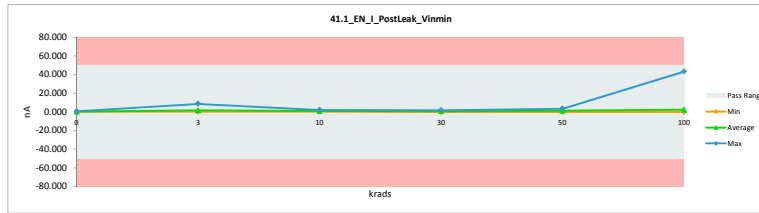


TID 100krad HDR Report
TPS7H3301-SP

41.1_EN_I_PostLeak_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.836	0.506	0.330
3	A116_Biased	2.666	1.010	1.656
3	A117_Biased	2.052	0.522	1.530
3	B36_Biased	2.304	0.437	1.867
3	B37_Biased	1.706	0.878	0.828
3	C39_Biased	2.729	1.057	1.672
3	A118_Unbiased	6.458	8.732	-2.274
3	A140_Unbiased	0.836	1.145	-0.309
3	B38_Unbiased	2.036	0.720	1.316
3	B39_Unbiased	2.084	1.324	0.760
3	C40_Unbiased	3.609	0.595	3.014
10	A119_Biased	2.084	0.642	1.442
10	A120_Biased	2.335	1.104	1.231
10	B40_Biased	2.823	1.271	1.552
10	C41_Biased	2.902	2.174	0.728
10	C42_Biased	2.477	0.422	2.055
10	A121_Unbiased	1.690	1.025	0.665
10	A124_Unbiased	1.612	1.261	0.351
10	B41_Unbiased	2.445	0.736	1.709
10	C43_Unbiased	2.587	0.579	2.008
10	C44_Unbiased	2.430	0.978	1.452
30	A125_Biased	3.075	1.562	1.513
30	B42_Biased	0.951	0.758	0.193
30	B43_Biased	3.090	1.041	2.049
30	C45_Biased	1.989	0.506	1.483
30	C46_Biased	2.445	1.073	1.372
30	A127_Unbiased	1.989	1.812	0.177
30	B45_Unbiased	2.697	0.374	2.323
30	B47_Unbiased	1.753	0.428	1.325
30	C47_Unbiased	2.398	0.028	2.370
30	C50_Unbiased	2.628	0.642	1.986
50	A128_Biased	1.958	0.789	1.169
50	A129_Biased	2.241	0.648	1.593
50	B48_Biased	2.445	0.632	1.813
50	B49_Biased	2.477	1.717	0.760
50	C51_Biased	2.241	0.547	1.694
50	A130_Unbiased	2.289	3.510	-1.221
50	A131_Unbiased	2.854	0.884	1.970
50	B50_Unbiased	2.807	0.547	2.260
50	B51_Unbiased	2.634	0.113	2.521
50	C53_Unbiased	2.477	2.457	0.020
0	106_Corr	0.820	0.264	0.556
100	A132_Biased	2.225	2.425	-0.200
100	A134_Biased	1.848	43.366	-41.518
100	A135_Biased	2.807	1.120	1.687
100	B52_Biased	2.807	2.551	0.256
100	B54_Biased	2.351	2.032	0.319
100	B55_Biased	2.508	0.113	2.395
100	B56_Biased	2.162	2.063	0.099
100	B57_Biased	2.450	3.904	-1.254
100	B59_Biased	2.272	0.900	1.372
100	B62_Biased	3.122	0.060	3.062
100	B63_Biased	1.690	3.023	-1.333
100	B64_Biased	4.963	5.960	-1.017
100	B66_Biased	2.870	3.699	-0.829
100	B68_Biased	2.115	1.670	0.445
100	C54_Biased	3.248	0.176	3.072
100	C55_Biased	2.854	0.390	2.464
100	C56_Biased	2.791	0.616	2.175
100	C57_Biased	3.059	0.500	2.559
100	C58_Biased	2.681	1.246	1.435
100	C59_Biased	2.634	1.702	0.932
100	C65_Biased	2.571	2.189	0.382
100	C67_Biased	3.122	1.890	1.232
100	A122_Unbiased	2.445	1.088	1.357
100	A138_Unbiased	4.522	0.595	3.927
100	A139_Unbiased	2.540	1.481	1.059
100	B60_Unbiased	2.854	1.135	1.719
100	B61_Unbiased	2.147	2.582	-0.435
100	B69_Unbiased	2.854	0.563	2.291
100	B70_Unbiased	2.147	0.044	2.103
100	B71_Unbiased	2.115	1.513	0.602
100	B72_Unbiased	2.634	0.585	2.049
100	B73_Unbiased	1.753	0.239	1.514
100	B74_Unbiased	2.949	0.648	2.301
100	B77_Unbiased	2.477	1.576	0.901
100	B78_Unbiased	2.445	1.287	1.158
100	B79_Unbiased	2.854	0.066	2.788
100	B80_Unbiased	2.257	1.513	0.744
100	C70_Unbiased	3.043	1.497	1.546
100	C71_Unbiased	2.887	0.626	1.961
100	C72_Unbiased	3.216	0.201	3.015
100	C73_Unbiased	2.382	1.082	1.300
100	C75_Unbiased	2.036	0.705	1.331
100	C76_Unbiased	2.744	0.994	1.750
100	C79_Unbiased	2.414	1.251	1.163
	Max	6.458	43.366	3.927
	Average	2.504	1.748	0.757
	Min	0.820	0.028	-41.518
	Std Dev	0.768	4.715	4.742

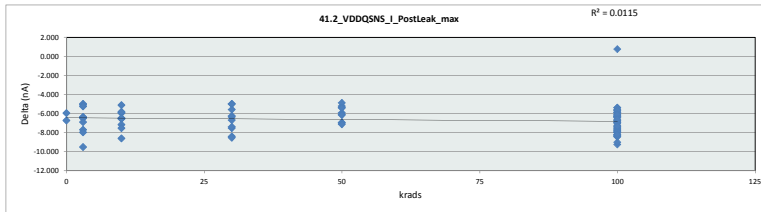


41.1_EN_I_PostLeak_Vinmin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	0.264	0.437	0.422	0.028	0.113	0.044
Average	0.385	1.642	1.019	0.818	1.184	2.339
Max	0.906	8.732	2.174	1.812	3.510	43.366
UL	50.000	50.000	50.000	50.000	50.000	50.000

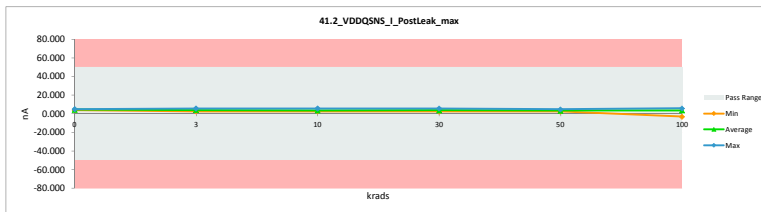


TID 100krad HDR Report
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41.2_VDDQSN5_I_PostLeak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50			
Min Limit	-50	-50		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	-2.017	3.941	-5.958
3	A116_Biased	-2.457	5.246	-7.703
3	A117_Biased	-1.859	4.522	-6.381
3	B36_Biased	-2.520	3.846	-6.366
3	B37_Biased	-2.551	3.956	-6.507
3	C39_Biased	-3.762	5.764	-9.526
3	A118_Unbiased	-2.363	2.620	-4.983
3	A140_Unbiased	-2.017	4.884	-6.901
3	B38_Unbiased	-2.504	2.589	-5.093
3	B39_Unbiased	-3.259	4.711	-7.970
3	C40_Unbiased	-2.488	2.761	-5.249
10	A119_Biased	-3.731	2.840	-6.571
10	A120_Biased	-2.441	4.459	-7.168
10	B40_Biased	-2.850	3.044	-5.894
10	C41_Biased	-3.637	3.893	-7.530
10	C42_Biased	-3.007	5.607	-8.614
10	A121_Unbiased	-2.441	2.667	-5.108
10	A124_Unbiased	-2.599	3.878	-6.477
10	B41_Unbiased	-3.086	2.856	-5.942
10	C43_Unbiased	-3.180	3.296	-6.476
10	C44_Unbiased	-3.149	2.683	-5.832
30	A125_Biased	-3.176	3.076	-6.272
30	B42_Biased	-2.268	2.714	-4.982
30	B43_Biased	-2.583	2.431	-5.014
30	C45_Biased	-3.574	3.956	-7.530
30	C46_Biased	-3.385	5.025	-8.410
30	A127_Unbiased	-3.511	2.856	-6.367
30	B45_Unbiased	-2.143	4.538	-6.681
30	B47_Unbiased	-2.740	4.648	-7.388
30	C47_Unbiased	-2.756	5.796	-8.552
30	C50_Unbiased	-2.213	2.567	-5.580
50	A128_Biased	-2.724	4.287	-7.011
50	A129_Biased	-2.646	2.714	-5.360
50	B48_Biased	-2.111	4.805	-6.916
50	B49_Biased	-2.268	4.853	-7.121
50	C51_Biased	-2.860	3.040	-5.910
50	A130_Unbiased	-2.520	2.683	-5.203
50	A131_Unbiased	-2.300	3.799	-6.099
50	B50_Unbiased	-2.441	2.431	-4.872
50	B51_Unbiased	-2.504	2.903	-5.407
50	C53_Unbiased	-3.055	3.092	-6.147
0	106_Corr	-1.593	5.120	-6.713
100	A132_Biased	-3.133	2.243	-5.376
100	A134_Biased	-2.284	-3.040	0.756
100	A135_Biased	-2.724	5.733	-8.457
100	B52_Biased	-3.275	3.673	-6.948
100	B54_Biased	-2.599	2.982	-5.581
100	B55_Biased	-2.803	2.840	-5.643
100	B56_Biased	-2.724	4.884	-7.608
100	B57_Biased	-3.228	4.004	-7.232
100	B59_Biased	-2.567	4.931	-7.498
100	B62_Biased	-2.992	3.390	-6.382
100	B63_Biased	-3.731	4.491	-8.222
100	B64_Biased	-3.371	2.966	-6.997
100	B66_Biased	-3.589	4.145	-7.734
100	B68_Biased	-3.652	2.416	-6.068
100	C54_Biased	-3.637	4.004	-7.641
100	C55_Biased	-2.866	4.098	-6.964
100	C56_Biased	-2.834	2.545	-5.375
100	C57_Biased	-4.045	5.198	-9.243
100	C58_Biased	-2.143	3.736	-5.879
100	C59_Biased	-3.479	4.790	-8.269
100	C65_Biased	-3.133	5.890	-9.023
100	C67_Biased	-2.913	4.475	-7.388
100	A122_Unbiased	-2.929	3.422	-6.351
100	A138_Unbiased	-2.378	5.403	-7.781
100	A139_Unbiased	-2.922	2.856	-5.848
100	B60_Unbiased	-3.275	3.485	-6.760
100	B61_Unbiased	-3.385	4.947	-8.332
100	B69_Unbiased	-3.275	2.573	-5.848
100	B70_Unbiased	-3.385	2.982	-6.367
100	B71_Unbiased	-3.259	3.548	-6.807
100	B72_Unbiased	-3.479	2.730	-6.209
100	B73_Unbiased	-2.929	4.994	-7.923
100	B74_Unbiased	-2.834	3.485	-6.319
100	B77_Unbiased	-3.259	4.742	-8.001
100	B78_Unbiased	-3.495	4.900	-8.395
100	B79_Unbiased	-2.583	4.397	-6.980
100	B80_Unbiased	-2.834	5.183	-8.017
100	C70_Unbiased	-4.391	3.485	-7.876
100	C71_Unbiased	-3.935	3.406	-7.341
100	C72_Unbiased	-2.583	3.673	-6.256
100	C73_Unbiased	-2.709	2.934	-5.643
100	C75_Unbiased	-3.479	4.727	-8.206
100	C76_Unbiased	-3.558	2.541	-6.099
100	C79_Unbiased	-3.574	3.029	-6.603
	Max	-1.593	5.890	0.756
	Average	-2.940	3.737	-6.677
	Min	-4.391	-3.040	-9.526
	Std Dev	0.544	1.246	1.372

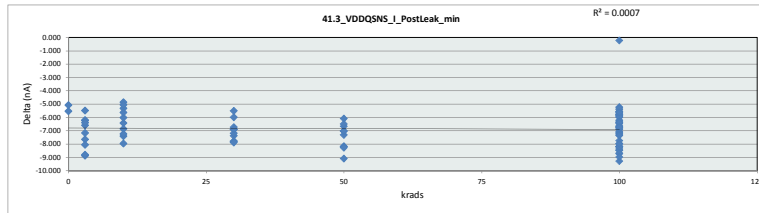


41.2_VDDQSN5_I_PostLeak_max						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	3.941	2.589	2.667	2.431	2.431	-3.040
Average	4.531	4.090	3.522	3.771	3.463	3.723
Max	5.120	5.764	5.607	5.796	4.853	5.890
UL	50.000	50.000	50.000	50.000	50.000	50.000

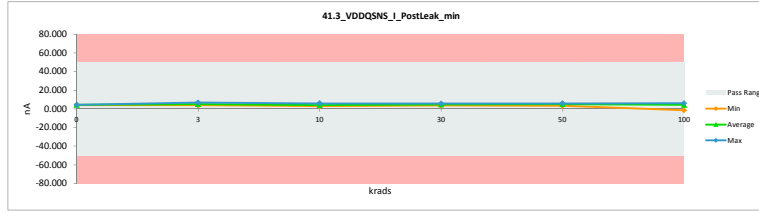


TID 100krad HDR Report
TPS7H3301-SP

41.3_VDDQSN5_I_PostLeak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	-0.761	4.318	-5.079
3	A116_Biased	-1.482	4.727	-6.209
3	A117_Biased	-2.457	5.198	-7.655
3	B36_Biased	-1.026	4.459	-5.485
3	B37_Biased	-2.190	6.692	-8.882
3	C39_Biased	-2.127	5.041	-7.168
3	A118_Unbiased	-2.992	5.812	-8.804
3	A140_Unbiased	-0.761	5.827	-6.588
3	B38_Unbiased	-2.032	4.208	-6.240
3	B39_Unbiased	-2.347	5.717	-8.064
3	C40_Unbiased	-2.221	4.176	-6.397
10	A119_Biased	-2.504	3.925	-6.429
10	A120_Biased	-1.922	2.950	-4.872
10	B40_Biased	-1.576	5.827	-7.403
10	C41_Biased	-2.630	3.390	-6.020
10	C42_Biased	-2.599	4.255	-6.854
10	A121_Unbiased	-1.262	5.969	-7.231
10	A124_Unbiased	-1.781	3.532	-5.313
10	B41_Unbiased	-1.624	3.422	-5.046
10	C43_Unbiased	-2.426	3.202	-5.628
10	C44_Unbiased	-2.520	5.434	-7.954
30	A125_Biased	-0.365	5.136	-5.501
30	B42_Biased	-2.819	3.925	-6.744
30	B43_Biased	-1.749	5.151	-6.900
30	C45_Biased	-2.787	4.601	-7.388
30	C46_Biased	-1.451	5.749	-7.200
30	A127_Unbiased	-2.426	5.271	-7.797
30	B45_Unbiased	-2.882	4.019	-6.901
30	B47_Unbiased	-2.410	5.387	-7.797
30	C47_Unbiased	-2.394	3.595	-5.989
30	C50_Unbiased	-3.416	4.275	-7.691
50	A128_Biased	-2.897	5.277	-8.174
50	A129_Biased	-2.410	5.764	-8.174
50	B48_Biased	-1.844	4.821	-6.665
50	B49_Biased	-2.221	5.088	-7.309
50	C51_Biased	-2.740	3.359	-6.099
50	A130_Unbiased	-2.268	4.758	-7.026
50	A131_Unbiased	-2.032	4.994	-7.026
50	B50_Unbiased	-2.300	5.969	-8.269
50	B51_Unbiased	-1.718	4.774	-6.492
50	C53_Unbiased	-3.196	5.906	-9.102
0	106_Corr	-1.310	4.224	-5.534
100	A132_Biased	-2.520	3.689	-6.209
100	A134_Biased	-1.797	-1.562	-0.235
100	A135_Biased	-2.378	5.196	-8.174
100	B52_Biased	-1.985	4.931	-6.916
100	B54_Biased	-2.551	4.774	-7.325
100	B55_Biased	-2.819	5.136	-7.955
100	B56_Biased	-2.473	3.516	-5.989
100	B57_Biased	-1.718	4.758	-6.476
100	B59_Biased	-2.724	5.749	-8.473
100	B62_Biased	-2.284	3.516	-5.800
100	B63_Biased	-2.017	4.790	-6.807
100	B64_Biased	-2.174	3.390	-5.564
100	B66_Biased	-2.426	3.343	-5.769
100	B68_Biased	-2.488	3.375	-5.863
100	C54_Biased	-3.338	5.387	-8.725
100	C55_Biased	-2.064	3.752	-5.816
100	C56_Biased	-2.551	3.123	-5.674
100	C57_Biased	-3.228	3.453	-6.681
100	C58_Biased	-2.488	5.874	-8.362
100	C59_Biased	-2.143	4.585	-6.728
100	C65_Biased	-2.387	4.365	-7.152
100	C67_Biased	-2.001	5.749	-7.750
100	A122_Unbiased	-1.419	3.815	-5.234
100	A138_Unbiased	-3.243	5.230	-8.473
100	A139_Unbiased	-2.158	3.249	-5.407
100	B60_Unbiased	-2.426	3.516	-5.942
100	B61_Unbiased	-2.488	3.783	-6.271
100	B69_Unbiased	-2.426	3.139	-5.565
100	B70_Unbiased	-2.488	2.809	-5.297
100	B71_Unbiased	-3.086	5.136	-8.222
100	B72_Unbiased	-2.080	4.978	-7.058
100	B73_Unbiased	-2.174	6.000	-8.174
100	B74_Unbiased	-2.724	5.969	-8.693
100	B77_Unbiased	-2.221	3.422	-5.643
100	B78_Unbiased	-3.385	3.265	-6.650
100	B79_Unbiased	-3.353	4.853	-8.206
100	B80_Unbiased	-1.828	5.387	-7.215
100	C70_Unbiased	-2.599	4.758	-7.357
100	C71_Unbiased	-3.716	5.576	-9.291
100	C72_Unbiased	-2.111	4.302	-6.413
100	C73_Unbiased	-2.583	3.799	-6.382
100	C75_Unbiased	-2.819	6.157	-8.976
100	C76_Unbiased	-2.787	3.941	-6.728
100	C79_Unbiased	-2.787	5.198	-7.985
	Max	-0.365	6.692	-0.235
	Average	-2.311	4.537	-6.848
	Min	-3.715	-1.562	-9.291
	Std Dev	0.616	1.163	1.326

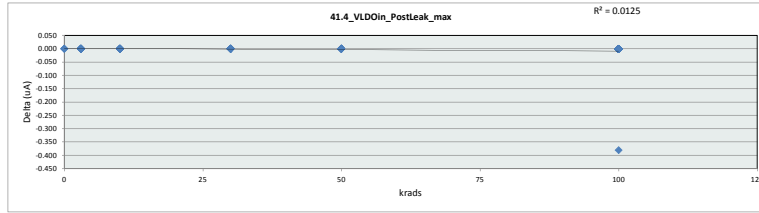


41.3_VDDQSN5_I_PostLeak_min						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	4.224	4.176	2.950	3.595	3.359	-1.562
Average	4.271	5.186	4.191	4.741	5.071	4.313
Max	4.318	6.692	5.969	5.749	5.969	6.157
UL	50.000	50.000	50.000	50.000	50.000	50.000

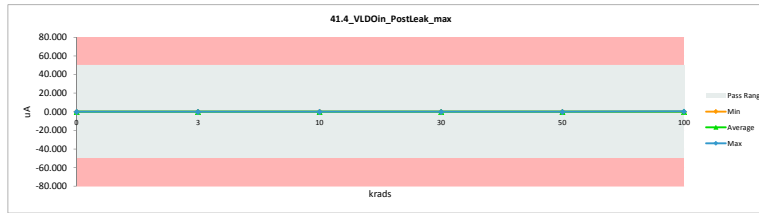


TID 100krad HDR Report
TPS7H3301-SP

41.4_VLD0In_PostLeak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50			
Min Limit	-50			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.000	0.000	0.000
3	A116_Biased	0.000	0.000	0.000
3	A117_Biased	0.000	0.000	0.000
3	B36_Biased	0.000	0.000	0.000
3	B37_Biased	0.000	0.000	0.000
3	C39_Biased	0.000	0.000	0.000
3	A118_Unbiased	0.000	0.000	0.000
3	A140_Unbiased	0.000	0.000	0.000
3	B38_Unbiased	0.000	0.000	0.000
3	B39_Unbiased	0.000	0.000	0.000
3	C40_Unbiased	0.000	0.000	0.000
10	A119_Biased	0.000	0.000	0.000
10	A120_Biased	0.000	0.000	0.000
10	B40_Biased	0.000	0.000	0.000
10	C41_Biased	0.000	0.000	0.000
10	C42_Biased	0.000	0.000	0.000
10	A121_Unbiased	0.000	0.000	0.000
10	A124_Unbiased	0.000	0.000	0.000
10	B41_Unbiased	0.000	0.000	0.000
10	C43_Unbiased	0.000	0.000	0.000
10	C44_Unbiased	0.000	0.000	0.000
30	A125_Biased	0.000	0.000	0.000
30	B42_Biased	0.000	0.000	0.000
30	B43_Biased	0.000	0.000	0.000
30	C45_Biased	0.000	0.000	0.000
30	C46_Biased	0.000	0.000	0.000
30	A127_Unbiased	0.000	0.000	0.000
30	B45_Unbiased	0.000	0.000	0.000
30	B47_Unbiased	0.000	0.000	0.000
30	C47_Unbiased	0.000	0.000	0.000
30	C50_Unbiased	0.000	0.000	0.000
50	A128_Biased	0.000	0.000	0.000
50	A129_Biased	0.000	0.000	0.000
50	B48_Biased	0.000	0.000	0.000
50	B49_Biased	0.000	0.000	0.000
50	C51_Biased	0.000	0.000	0.000
50	A130_Unbiased	0.000	0.000	0.000
50	A131_Unbiased	0.000	0.000	0.000
50	B50_Unbiased	0.000	0.000	0.000
50	B51_Unbiased	0.000	0.000	0.000
50	C53_Unbiased	0.000	0.000	0.000
0	106_Corr	0.000	0.000	0.000
100	A132_Biased	0.000	0.001	-0.001
100	A134_Biased	0.000	0.381	-0.381
100	A135_Biased	0.000	0.001	-0.001
100	B52_Biased	0.000	0.001	-0.001
100	B54_Biased	0.000	0.001	-0.001
100	B55_Biased	0.000	0.001	-0.001
100	B56_Biased	0.000	0.001	-0.001
100	B57_Biased	0.000	0.001	-0.001
100	B59_Biased	0.000	0.001	-0.001
100	B62_Biased	0.000	0.001	-0.001
100	B63_Biased	0.000	0.001	-0.001
100	B64_Biased	0.000	0.001	-0.001
100	B66_Biased	0.000	0.001	-0.001
100	B68_Biased	0.000	0.001	-0.001
100	C54_Biased	0.000	0.001	-0.001
100	C55_Biased	0.000	0.001	-0.001
100	C56_Biased	0.000	0.001	-0.001
100	C57_Biased	0.000	0.001	-0.001
100	C58_Biased	0.000	0.001	-0.001
100	C59_Biased	0.000	0.001	-0.001
100	C65_Biased	0.000	0.001	-0.001
100	C67_Biased	0.000	0.001	-0.001
100	A122_Unbiased	0.000	0.001	-0.001
100	A138_Unbiased	0.000	0.001	-0.001
100	A139_Unbiased	0.000	0.001	-0.001
100	B60_Unbiased	0.000	0.001	-0.001
100	B61_Unbiased	0.000	0.001	-0.001
100	B69_Unbiased	0.000	0.001	-0.001
100	B70_Unbiased	0.000	0.001	-0.001
100	B71_Unbiased	0.000	0.001	-0.001
100	B72_Unbiased	0.000	0.001	-0.001
100	B73_Unbiased	0.000	0.001	-0.001
100	B74_Unbiased	0.000	0.001	-0.001
100	B77_Unbiased	0.000	0.001	-0.001
100	B78_Unbiased	0.000	0.001	-0.001
100	B79_Unbiased	0.000	0.001	-0.001
100	B80_Unbiased	0.000	0.001	-0.001
100	C70_Unbiased	0.000	0.001	-0.001
100	C71_Unbiased	0.000	0.001	-0.001
100	C72_Unbiased	0.000	0.001	-0.001
100	C73_Unbiased	0.000	0.001	-0.001
100	C75_Unbiased	0.000	0.001	-0.001
100	C76_Unbiased	0.000	0.001	-0.001
100	C79_Unbiased	0.000	0.001	-0.001
	Max	0.001	0.381	0.000
	Average	0.000	0.005	-0.005
	Min	0.000	0.000	-0.381
	Std Dev	0.000	0.041	0.041



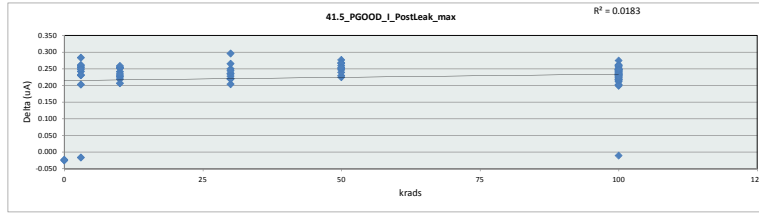
41.4_VLD0In_PostLeak_max						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	uA				
Min Limit	-50	uA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	0.000	0.000	0.000	0.000	0.000	0.001
Average	0.000	0.000	0.000	0.000	0.000	0.010
Max	0.000	0.000	0.000	0.000	0.000	0.381
UL	50.000	50.000	50.000	50.000	50.000	50.000



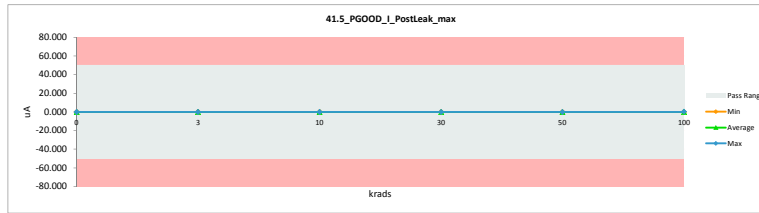
TID 100krad HDR Report
TPS7H3301-SP

		41.5_PGOOD_I_PostLeak_max	
Test Site		Dallas, Tx	Dallas, Tx
Testor		ETS	ETS
Test Number		EF636800	EF636800
Unit		uA	uA
Max Limit		50	50
Min Limit		-50	-50

krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	-0.183	-0.158	-0.025
3	A116_Biased	0.080	-0.173	0.253
3	A117_Biased	0.095	-0.163	0.258
3	B36_Biased	0.083	-0.159	0.242
3	B37_Biased	0.079	-0.151	0.231
3	C39_Biased	0.050	-0.152	0.202
3	A118_Unbiased	0.076	-0.185	0.261
3	A140_Unbiased	-0.183	-0.167	-0.016
3	B38_Unbiased	0.086	-0.163	0.249
3	B39_Unbiased	0.099	-0.184	0.283
3	C40_Unbiased	0.058	-0.174	0.231
10	A119_Biased	0.093	-0.159	0.252
10	A120_Biased	0.049	-0.156	0.226
10	B40_Biased	0.083	-0.158	0.241
10	C41_Biased	0.072	-0.182	0.254
10	C42_Biased	0.051	-0.168	0.218
10	A121_Unbiased	0.083	-0.146	0.228
10	A124_Unbiased	0.094	-0.158	0.252
10	B41_Unbiased	0.072	-0.187	0.259
10	C43_Unbiased	0.072	-0.162	0.234
10	C44_Unbiased	0.058	-0.149	0.206
30	A125_Biased	0.071	-0.164	0.236
30	B42_Biased	0.111	-0.185	0.296
30	B43_Biased	0.097	-0.153	0.249
30	C45_Biased	0.061	-0.142	0.203
30	C46_Biased	0.073	-0.161	0.234
30	A127_Unbiased	0.104	-0.161	0.265
30	B45_Unbiased	0.087	-0.156	0.243
30	B47_Unbiased	0.076	-0.151	0.227
30	C47_Unbiased	0.062	-0.158	0.220
30	C50_Unbiased	0.054	-0.164	0.219
50	A128_Biased	0.100	-0.159	0.259
50	A129_Biased	0.092	-0.184	0.277
50	B48_Biased	0.069	-0.155	0.225
50	B49_Biased	0.066	-0.164	0.230
50	C51_Biased	0.072	-0.175	0.247
50	A130_Unbiased	0.090	-0.149	0.239
50	A131_Unbiased	0.105	-0.162	0.267
50	B50_Unbiased	0.097	-0.170	0.266
50	B51_Unbiased	0.089	-0.162	0.251
50	C53_Unbiased	0.063	-0.191	0.254
0	106_Corr	-0.199	-0.175	-0.023
100	A132_Biased	0.086	-0.163	0.248
100	A134_Biased	0.087	0.098	-0.011
100	A135_Biased	0.083	-0.168	0.251
100	B52_Biased	0.076	-0.171	0.247
100	B54_Biased	0.088	-0.159	0.247
100	B55_Biased	0.078	-0.181	0.258
100	B56_Biased	0.084	-0.160	0.244
100	B57_Biased	0.067	-0.175	0.242
100	B59_Biased	0.090	-0.146	0.236
100	B62_Biased	0.059	-0.169	0.229
100	B63_Biased	0.070	-0.149	0.219
100	B64_Biased	0.076	-0.179	0.255
100	B66_Biased	0.065	-0.154	0.219
100	B68_Biased	0.071	-0.159	0.229
100	C54_Biased	0.064	-0.167	0.231
100	C55_Biased	0.093	-0.169	0.262
100	C56_Biased	0.051	-0.148	0.199
100	C57_Biased	0.067	-0.164	0.231
100	C58_Biased	0.052	-0.173	0.224
100	C59_Biased	0.056	-0.184	0.240
100	C65_Biased	0.071	-0.175	0.246
100	C67_Biased	0.072	-0.161	0.233
100	A122_Unbiased	0.086	-0.154	0.239
100	A138_Unbiased	0.083	-0.165	0.248
100	A139_Unbiased	0.097	-0.178	0.275
100	B60_Unbiased	0.068	-0.157	0.226
100	B61_Unbiased	0.081	-0.154	0.235
100	B69_Unbiased	0.068	-0.178	0.246
100	B70_Unbiased	0.081	-0.179	0.260
100	B71_Unbiased	0.061	-0.151	0.211
100	B72_Unbiased	0.071	-0.170	0.242
100	B73_Unbiased	0.050	-0.187	0.237
100	B74_Unbiased	0.057	-0.145	0.203
100	B77_Unbiased	0.052	-0.160	0.213
100	B78_Unbiased	0.052	-0.149	0.202
100	B79_Unbiased	0.051	-0.172	0.223
100	B80_Unbiased	0.058	-0.158	0.216
100	C70_Unbiased	0.073	-0.160	0.234
100	C71_Unbiased	0.072	-0.187	0.260
100	C72_Unbiased	0.056	-0.178	0.234
100	C73_Unbiased	0.070	-0.147	0.217
100	C75_Unbiased	0.065	-0.155	0.219
100	C76_Unbiased	0.072	-0.154	0.225
100	C79_Unbiased	0.071	-0.176	0.248
	Max	0.111	0.098	0.296
	Average	0.065	-0.161	0.227
	Min	-0.199	-0.191	-0.025
	Std Dev	0.051	0.031	0.058

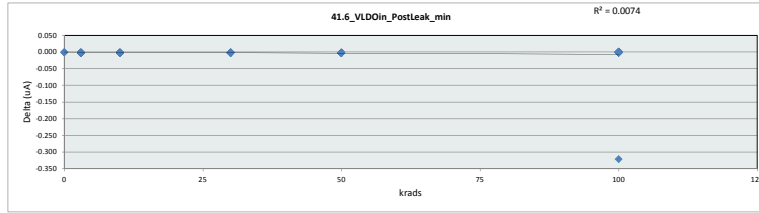


		41.5_PGOOD_I_PostLeak_max					
Test Site		Dallas, Tx					
Testor		ETS					
Test Number		EF636800					
Max Limit		50 uA					
Min Limit		-50 uA					
krads		0	3	10	30	50	100
LL		-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min		-0.175	-0.185	-0.187	-0.185	-0.191	-0.187
Average		-0.167	-0.167	-0.162	-0.160	-0.167	-0.159
Max		-0.158	-0.151	-0.146	-0.142	-0.149	0.098
UL		50.000	50.000	50.000	50.000	50.000	50.000

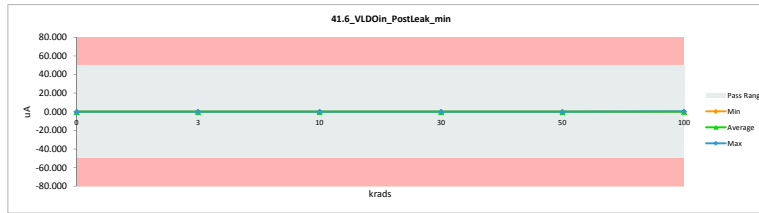


TID 100krad HDR Report
TPS7H3301-SP

41.6_VLD0in_PostLeak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50			
Min Limit	-50			
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	0.002	0.002	0.000
3	A116_Biased	0.000	0.002	-0.002
3	A117_Biased	0.000	0.002	-0.002
3	B36_Biased	0.000	0.002	-0.002
3	B37_Biased	0.001	0.002	-0.001
3	C39_Biased	0.001	0.002	-0.001
3	A118_Unbiased	0.000	0.002	-0.002
3	A140_Unbiased	0.002	0.002	0.000
3	B38_Unbiased	0.000	0.002	-0.002
3	B39_Unbiased	0.000	0.002	-0.002
3	C40_Unbiased	0.001	0.002	-0.001
10	A119_Biased	0.000	0.002	-0.002
10	A120_Biased	0.001	0.002	-0.001
10	B40_Biased	0.000	0.002	-0.002
10	C41_Biased	0.001	0.002	-0.001
10	C42_Biased	0.001	0.002	-0.001
10	A121_Unbiased	0.000	0.002	-0.002
10	A124_Unbiased	0.000	0.002	-0.002
10	B41_Unbiased	0.000	0.002	-0.002
10	C43_Unbiased	0.001	0.002	-0.001
10	C44_Unbiased	0.001	0.002	-0.001
30	A125_Biased	0.000	0.002	-0.002
30	B42_Biased	0.001	0.002	-0.001
30	B43_Biased	0.000	0.002	-0.002
30	C45_Biased	0.001	0.002	-0.001
30	C46_Biased	0.001	0.002	-0.001
30	A127_Unbiased	0.001	0.002	-0.001
30	B45_Unbiased	0.000	0.002	-0.002
30	B47_Unbiased	0.001	0.002	-0.001
30	C47_Unbiased	0.001	0.002	-0.001
30	C50_Unbiased	0.001	0.002	-0.001
50	A128_Biased	0.000	0.002	-0.002
50	A129_Biased	0.000	0.002	-0.002
50	B48_Biased	0.000	0.002	-0.002
50	B49_Biased	0.001	0.002	-0.001
50	C51_Biased	0.001	0.002	-0.001
50	A130_Unbiased	0.000	0.002	-0.002
50	A131_Unbiased	0.000	0.002	-0.002
50	B50_Unbiased	0.000	0.002	-0.002
50	B51_Unbiased	0.000	0.002	-0.002
50	C53_Unbiased	0.001	0.002	-0.001
0	106_Corr	0.002	0.002	0.000
100	A132_Biased	0.000	0.001	-0.001
100	A134_Biased	0.000	0.321	-0.321
100	A135_Biased	0.000	0.001	-0.001
100	B52_Biased	0.000	0.001	-0.001
100	B54_Biased	0.000	0.001	-0.001
100	B55_Biased	0.000	0.001	-0.001
100	B56_Biased	0.001	0.001	0.000
100	B57_Biased	0.000	0.001	-0.001
100	B59_Biased	0.001	0.001	0.000
100	B62_Biased	0.000	0.001	-0.001
100	B63_Biased	0.000	0.001	-0.001
100	B64_Biased	0.001	0.001	0.000
100	B66_Biased	0.001	0.001	0.000
100	B68_Biased	0.001	0.001	0.000
100	C54_Biased	0.001	0.001	0.000
100	C55_Biased	0.001	0.001	0.000
100	C56_Biased	0.001	0.001	0.000
100	C57_Biased	0.001	0.001	0.000
100	C58_Biased	0.001	0.001	0.000
100	C59_Biased	0.001	0.001	0.000
100	C65_Biased	0.001	0.001	0.000
100	C67_Biased	0.001	0.001	0.000
100	A122_Unbiased	0.001	0.001	0.000
100	A138_Unbiased	0.000	0.001	-0.001
100	A139_Unbiased	0.001	0.001	0.000
100	B60_Unbiased	0.000	0.001	-0.001
100	B61_Unbiased	0.000	0.001	-0.001
100	B69_Unbiased	0.000	0.001	-0.001
100	B70_Unbiased	0.000	0.001	-0.001
100	B71_Unbiased	0.001	0.001	0.000
100	B72_Unbiased	0.000	0.001	-0.001
100	B73_Unbiased	0.001	0.001	0.000
100	B74_Unbiased	0.001	0.001	0.000
100	B77_Unbiased	0.001	0.001	0.000
100	B78_Unbiased	0.001	0.001	0.000
100	B79_Unbiased	0.001	0.001	0.000
100	B80_Unbiased	0.001	0.001	0.000
100	C70_Unbiased	0.001	0.001	0.000
100	C71_Unbiased	0.001	0.001	0.000
100	C72_Unbiased	0.001	0.001	0.000
100	C73_Unbiased	0.001	0.000	0.001
100	C75_Unbiased	0.001	0.001	0.000
100	C76_Unbiased	0.001	0.001	0.000
100	C79_Unbiased	0.001	0.001	0.000
	Max	0.002	0.321	0.001
	Average	0.001	0.005	-0.005
	Min	0.000	0.000	-0.321
	Std Dev	0.001	0.034	0.035

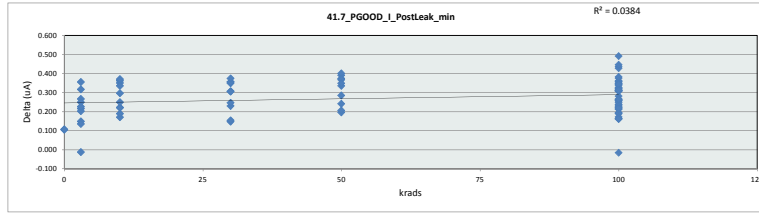


41.6_VLD0in_PostLeak_min						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	uA				
Min Limit	-50	uA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	0.002	0.002	0.002	0.002	0.002	0.001
Average	0.002	0.002	0.002	0.002	0.002	0.008
Max	0.002	0.002	0.002	0.002	0.002	0.321
UL	50.000	50.000	50.000	50.000	50.000	50.000

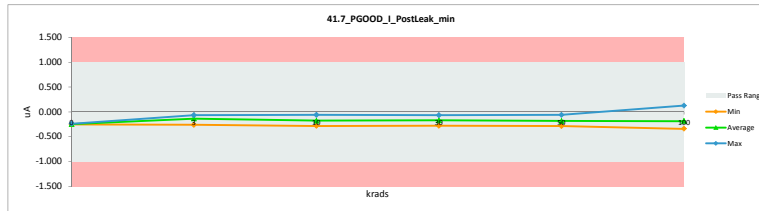


TID 100krad HDR Report
TPS7H3301-SP

41.7_PGOOD_I_PostLeak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	1			
Min Limit	-1	-1		
krads	Serial #	PreRad_HDR	PostRad_HDR	Delta
0	374_Corr	-0.150	-0.255	0.105
3	A116_Biased	0.144	-0.072	0.217
3	A117_Biased	0.113	-0.154	0.267
3	B36_Biased	0.127	-0.076	0.203
3	B37_Biased	0.124	-0.125	0.249
3	C39_Biased	0.094	-0.261	0.356
3	A118_Unbiased	0.046	-0.102	0.148
3	A140_Unbiased	-0.150	-0.137	-0.013
3	B38_Unbiased	0.071	-0.065	0.135
3	B39_Unbiased	0.105	-0.211	0.317
3	C40_Unbiased	0.091	-0.135	0.226
10	A119_Biased	0.069	-0.101	0.170
10	A120_Biased	0.072	-0.149	0.221
10	B40_Biased	0.096	-0.255	0.351
10	C41_Biased	0.127	-0.062	0.189
10	C42_Biased	0.094	-0.268	0.362
10	A121_Unbiased	0.155	-0.066	0.221
10	A124_Unbiased	0.105	-0.230	0.335
10	B41_Unbiased	0.096	-0.200	0.296
10	C43_Unbiased	0.108	-0.141	0.250
10	C44_Unbiased	0.088	-0.282	0.370
30	A125_Biased	0.154	-0.202	0.356
30	B42_Biased	0.119	-0.188	0.307
30	B43_Biased	0.133	-0.216	0.349
30	C45_Biased	0.066	-0.238	0.304
30	C46_Biased	0.074	-0.072	0.146
30	A127_Unbiased	0.115	-0.241	0.356
30	B45_Unbiased	0.135	-0.094	0.229
30	B47_Unbiased	0.097	-0.277	0.374
30	C47_Unbiased	0.086	-0.068	0.154
30	C50_Unbiased	0.129	-0.118	0.246
50	A128_Biased	0.140	-0.057	0.196
50	A129_Biased	0.086	-0.119	0.206
50	B48_Biased	0.105	-0.285	0.390
50	B49_Biased	0.118	-0.283	0.401
50	C51_Biased	0.130	-0.244	0.374
50	A130_Unbiased	0.135	-0.200	0.335
50	A131_Unbiased	0.133	-0.233	0.367
50	B50_Unbiased	0.168	-0.180	0.348
50	B51_Unbiased	0.163	-0.122	0.285
50	C53_Unbiased	0.133	-0.108	0.242
0	106_Corr	-0.130	-0.236	0.107
100	A132_Biased	0.080	-0.083	0.164
100	A134_Biased	0.113	0.129	-0.016
100	A135_Biased	0.116	0.228	0.228
100	B52_Biased	0.096	-0.340	0.435
100	B54_Biased	0.096	-0.215	0.310
100	B55_Biased	0.062	-0.202	0.264
100	B56_Biased	0.104	-0.118	0.221
100	B57_Biased	0.127	-0.062	0.189
100	B59_Biased	0.160	-0.268	0.427
100	B62_Biased	0.026	-0.168	0.193
100	B63_Biased	0.052	-0.275	0.328
100	B64_Biased	0.085	-0.149	0.234
100	B66_Biased	0.083	-0.108	0.192
100	B68_Biased	0.094	-0.261	0.356
100	C54_Biased	0.065	-0.246	0.310
100	C55_Biased	0.130	-0.082	0.212
100	C56_Biased	0.127	-0.086	0.214
100	C57_Biased	0.140	-0.199	0.338
100	C58_Biased	0.090	-0.286	0.376
100	C59_Biased	0.110	-0.199	0.309
100	C65_Biased	0.116	-0.199	0.315
100	C67_Biased	0.047	-0.190	0.237
100	A122_Unbiased	0.096	-0.068	0.163
100	A138_Unbiased	0.129	-0.129	0.257
100	A139_Unbiased	0.099	-0.208	0.307
100	B60_Unbiased	0.099	-0.247	0.346
100	B61_Unbiased	0.125	-0.094	0.220
100	B69_Unbiased	0.099	-0.261	0.360
100	B70_Unbiased	0.125	-0.321	0.446
100	B71_Unbiased	0.077	-0.253	0.360
100	B72_Unbiased	0.071	-0.210	0.281
100	B73_Unbiased	0.091	-0.291	0.382
100	B74_Unbiased	0.124	-0.132	0.256
100	B77_Unbiased	0.063	-0.108	0.171
100	B78_Unbiased	0.088	-0.160	0.248
100	B79_Unbiased	0.118	-0.227	0.345
100	B80_Unbiased	0.104	-0.157	0.260
100	C70_Unbiased	0.200	-0.291	0.491
100	C71_Unbiased	0.057	-0.210	0.267
100	C72_Unbiased	0.079	-0.244	0.323
100	C73_Unbiased	0.091	-0.069	0.160
100	C75_Unbiased	0.090	-0.232	0.321
100	C76_Unbiased	0.077	-0.266	0.343
100	C79_Unbiased	0.091	-0.221	0.312
	Max	0.200	0.129	0.491
	Average	0.096	-0.178	0.273
	Min	-0.150	-0.340	-0.016
	Std Dev	0.055	0.083	0.094



41.7_PGOOD_I_PostLeak_min						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1	uA				
Min Limit	-1	uA				
krads	0	3	10	30	50	100
LL	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Min	-0.255	-0.261	-0.282	-0.277	-0.285	-0.340
Average	-0.246	-0.134	-0.175	-0.171	-0.183	-0.185
Max	-0.236	-0.065	-0.062	-0.068	-0.057	0.129
UL	1.000	1.000	1.000	1.000	1.000	1.000



TPS7H3301-RHA

Time Dependent Effect (TDE) Report at HDR 150krad (Si)

All units pass SMD specification limits up to 150krad HDR after the accelerated annealing test. This shows that the device does not show any Time Dependent Effect (TDE) degradation after the Rebound Test, per MIL-STD-883J 1019.9, Condition A and section 3.12 accelerated annealing tests.

TID HDR Report 150Krad

TPS7H3301-RHA

Based on the report below, *150kRad HDR units do not exhibit time dependent effects (TDE) degradation after 168Hrs 100C Bias Anneal.

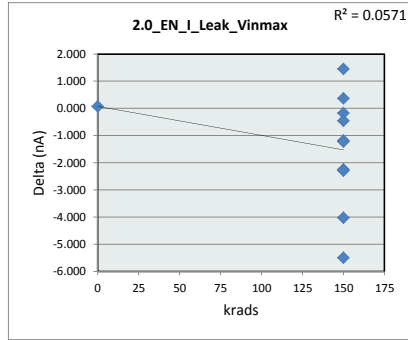
* 150 krad(Si) units pass, per MIL-STD-883J 1019.9, Condition A and section 3.12 MOS accelerated annealing test.

Excerpt from Mil-Std 883J, 1019.9

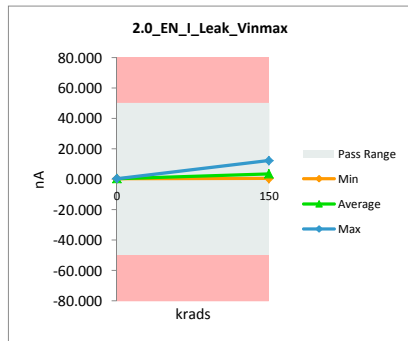
3.12.2.b.1 Accelerated annealing. Heat each device under worst-case static bias condition in an environment according to the following condition: At 100C +/- 5C for 168 +/-12 hours.

TID 150k HDR Rebound Report
TPS7H3301-SP

2.0_EN_I_Leak_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.475	0.396	0.079
150	116A_Biased	1.061	1.230	-0.169
150	117A_Biased	2.351	1.985	0.366
150	36B_biased	1.643	2.095	-0.452
150	37B_Biased	0.998	3.243	-2.245
150	39C_Biased	1.675	2.866	-1.191
150	118A_Unbiased	6.804	12.303	-5.499
150	140A_Unbiased	0.333	4.360	-4.027
150	38B_Unbiased	2.021	0.569	1.452
150	39B_Unbiased	1.958	4.250	-2.292
150	40C_Unbiased	1.502	2.724	-1.222
	Max	6.804	12.303	1.452
	Average	1.893	3.275	-1.382
	Min	0.333	0.396	-5.499
	Std Dev	1.748	3.270	2.028

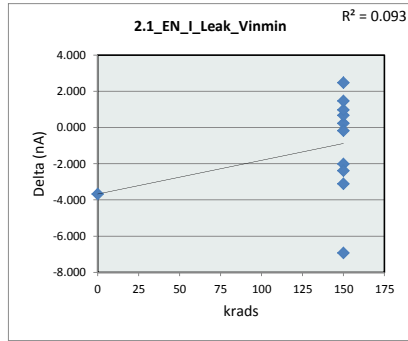


2.0_EN_I_Leak_Vinmax		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	nA
Min Limit	-50	nA
krads	0	150
LL	-50.000	-50.000
Min	0.396	0.569
Average	0.396	3.563
Max	0.396	12.303
UL	50.000	50.000

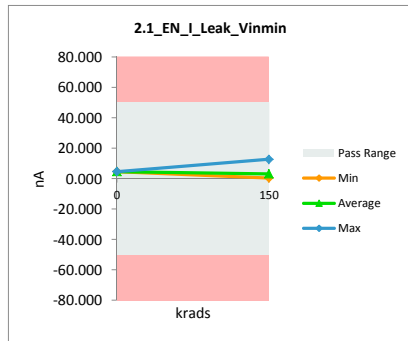


TID 150k HDR Rebound Report
TPS7H3301-SP

2.1_EN_I_Leak_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		nA	nA	
Max Limit		50	50	
Min Limit		-50	-50	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.930	4.611	-3.681
150	116A_Biased	1.816	3.825	-2.009
150	117A_Biased	1.470	1.246	0.224
150	36B_biased	2.744	2.928	-0.184
150	37B_Biased	1.879	4.265	-2.386
150	39C_Biased	1.722	1.051	0.671
150	118A_Unbiased	5.781	12.712	-6.931
150	140A_Unbiased	0.475	3.589	-3.114
150	38B_Unbiased	2.162	1.198	0.964
150	39B_Unbiased	2.917	0.453	2.464
150	40C_Unbiased	1.895	0.437	1.458
	Max	5.781	12.712	2.464
	Average	2.163	3.301	-1.139
	Min	0.475	0.437	-6.931
	Std Dev	1.390	3.489	2.764

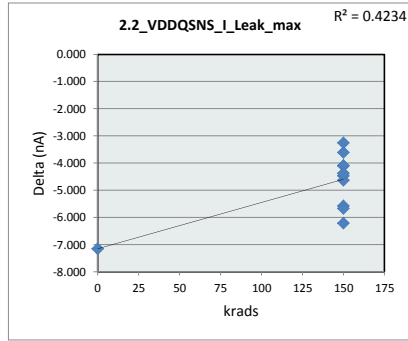


2.1_EN_I_Leak_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	nA
Min Limit	-50	nA
krads	0	150
LL	-50.000	-50.000
Min	4.611	0.437
Average	4.611	3.170
Max	4.611	12.712
UL	50.000	50.000

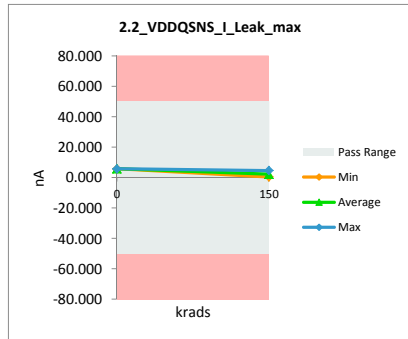


TID 150k HDR Rebound Report
TPS7H3301-SP

2.2_VDDQSN5_I_Leak_max				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	-1.404	5.749	-7.153
150	116A_Biased	-2.127	1.975	-4.102
150	117A_Biased	-3.118	2.463	-5.581
150	36B_biased	-2.127	1.488	-3.615
150	37B_Biased	-3.086	1.001	-4.087
150	39C_Biased	-2.850	0.403	-3.253
150	118A_Unbiased	-2.803	1.661	-4.464
150	140A_Unbiased	-1.844	2.793	-4.637
150	38B_Unbiased	-2.205	3.469	-5.674
150	39B_Unbiased	-2.426	1.944	-4.370
150	40C_Unbiased	-1.624	4.585	-6.209
	Max	-1.404	5.749	-3.253
	Average	-2.329	2.503	-4.831
	Min	-3.118	0.403	-7.153
	Std Dev	0.582	1.578	1.183

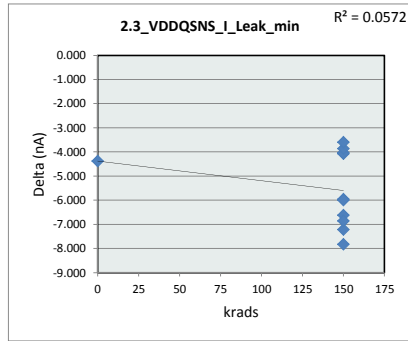


2.2_VDDQSN5_I_Leak_max		
krads	0	150
LL	-50.000	-50.000
Min	5.749	0.403
Average	5.749	2.178
Max	5.749	4.585
UL	50.000	50.000

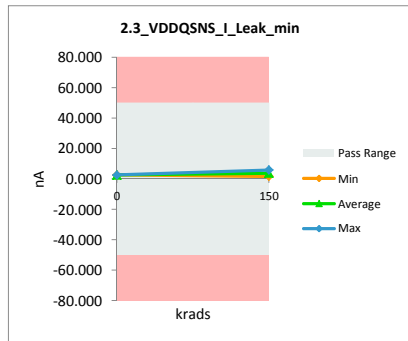


TID 150k HDR Rebound Report
TPS7H3301-SP

2.3_VDDQSN5_I_Leak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	-1.718	2.667	-4.385
150	116A_Biased	-2.504	4.114	-6.618
150	117A_Biased	-1.293	5.922	-7.215
150	36B_biased	-1.891	2.148	-4.039
150	37B_Biased	-1.482	5.371	-6.853
150	39C_Biased	-2.268	1.802	-4.070
150	118A_Unbiased	-1.985	3.972	-5.957
150	140A_Unbiased	-1.216	2.651	-3.867
150	38B_Unbiased	-1.922	1.677	-3.599
150	39B_Unbiased	-1.702	4.287	-5.989
150	40C_Unbiased	-2.253	5.576	-7.829
Max		-1.216	5.922	-3.599
Average		-1.839	3.653	-5.493
Min		-2.504	1.677	-7.829
Std Dev		0.409	1.552	1.536

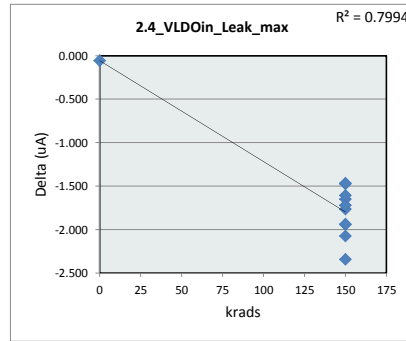


2.3_VDDQSN5_I_Leak_min		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	nA
Min Limit	-50	nA
krads	0	150
LL	-50.000	-50.000
Min	2.667	1.677
Average	2.667	3.752
Max	2.667	5.922
UL	50.000	50.000

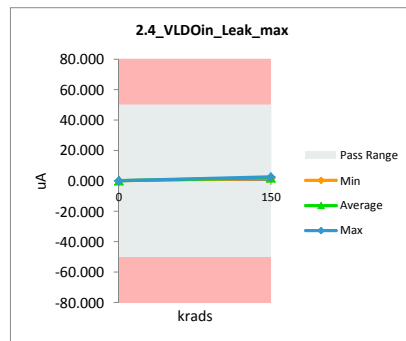


TID 150k HDR Rebound Report
TPS7H3301-SP

2.4_VLDOin_Leak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.079	0.135	-0.056
150	116A_Biased	0.227	1.702	-1.475
150	117A_Biased	0.201	1.667	-1.466
150	36B_biased	0.202	1.852	-1.650
150	37B_Biased	0.170	1.933	-1.763
150	39C_Biased	0.315	2.257	-1.942
150	118A_Unbiased	0.210	2.148	-1.938
150	140A_Unbiased	0.052	1.658	-1.606
150	38B_Unbiased	0.205	2.278	-2.073
150	39B_Unbiased	0.171	1.890	-1.719
150	40C_Unbiased	0.255	2.596	-2.341
Max		0.315	2.596	-0.056
Average		0.190	1.829	-1.639
Min		0.052	0.135	-2.341
Std Dev		0.074	0.635	0.587

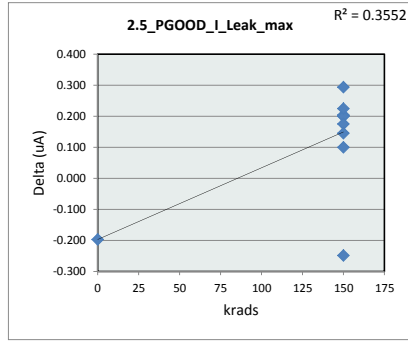


2.4_VLDOin_Leak_max		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	uA
Min Limit	-50	uA
krads	0	150
LL	-50.000	-50.000
Min	0.135	1.658
Average	0.135	1.998
Max	0.135	2.596
UL	50.000	50.000

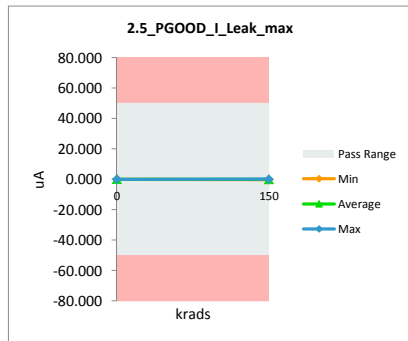


TID 150k HDR Rebound Report
TPS7H3301-SP

2.5_PGOOD_I_Leak_max				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	-0.188	0.010	-0.198
150	116A_Biased	0.084	-0.016	0.100
150	117A_Biased	0.082	-0.120	0.202
150	36B_biased	0.085	-0.115	0.200
150	37B_Biased	0.085	-0.119	0.204
150	39C_Biased	0.067	-0.133	0.200
150	118A_Unbiased	0.105	-0.188	0.294
150	140A_Unbiased	-0.191	0.058	-0.249
150	38B_Unbiased	0.086	-0.088	0.174
150	39B_Unbiased	0.090	-0.134	0.225
150	40C_Unbiased	0.037	-0.108	0.145
	Max	0.105	0.058	0.294
	Average	0.031	-0.087	0.118
	Min	-0.191	-0.188	-0.249
	Std Dev	0.110	0.073	0.176

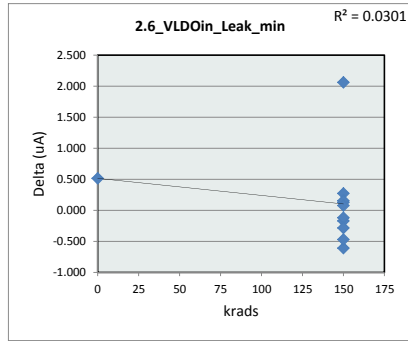


2.5_PGOOD_I_Leak_max		
krads	0	150
LL	-50.000	-50.000
Min	0.010	-0.188
Average	0.010	-0.096
Max	0.010	0.058
UL	50.000	50.000

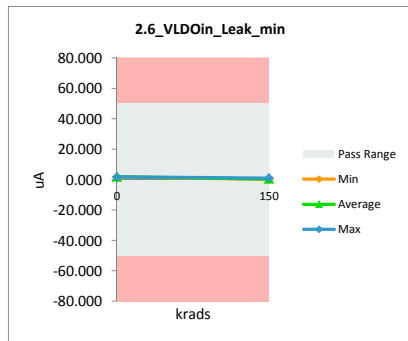


TID 150k HDR Rebound Report
TPS7H3301-SP

2.6_VLDOin_Leak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.272	1.758	0.514
150	116A_Biased	0.291	0.166	0.125
150	117A_Biased	0.350	0.080	0.270
150	36B_biased	0.162	0.333	-0.171
150	37B_Biased	0.234	0.355	-0.121
150	39C_Biased	0.469	0.755	-0.286
150	118A_Unbiased	0.337	0.186	0.151
150	140A_Unbiased	2.272	0.215	2.057
150	38B_Unbiased	0.355	0.963	-0.608
150	39B_Unbiased	0.433	0.355	0.078
150	40C_Unbiased	0.576	1.048	-0.472
Max		2.272	1.758	2.057
Average		0.705	0.565	0.140
Min		0.162	0.080	-0.608
Std Dev		0.783	0.515	0.715

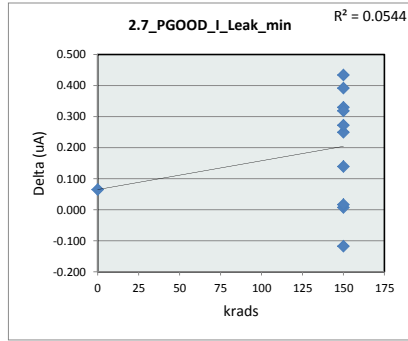


2.6_VLDOin_Leak_min		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	uA
Min Limit	-50	uA
krads	0	150
LL	-50.000	-50.000
Min	1.758	0.080
Average	1.758	0.446
Max	1.758	1.048
UL	50.000	50.000

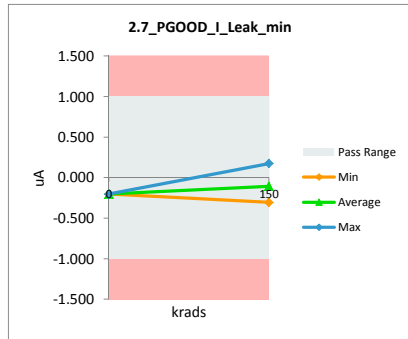


TID 150k HDR Rebound Report
TPS7H3301-SP

2.7_PGOOD_I_Leak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	1	1		
Min Limit	-1	-1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	-0.139	-0.204	0.065
150	116A_Biased	0.072	0.065	0.007
150	117A_Biased	0.125	-0.204	0.329
150	36B_biased	0.102	-0.036	0.138
150	37B_Biased	0.111	-0.207	0.318
150	39C_Biased	0.111	-0.138	0.249
150	118A_Unbiased	0.189	0.173	0.017
150	140A_Unbiased	-0.154	-0.036	-0.118
150	38B_Unbiased	0.158	-0.233	0.391
150	39B_Unbiased	0.127	-0.307	0.434
150	40C_Unbiased	0.121	-0.150	0.271
Max		0.189	0.173	0.434
Average		0.075	-0.116	0.191
Min		-0.154	-0.307	-0.118
Std Dev		0.114	0.143	0.180

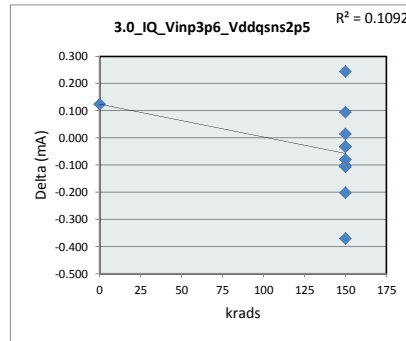


2.7_PGOOD_I_Leak_min		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1	uA
Min Limit	-1	uA
krads	0	150
LL	-1.000	-1.000
Min	-0.204	-0.307
Average	-0.204	-0.107
Max	-0.204	0.173
UL	1.000	1.000

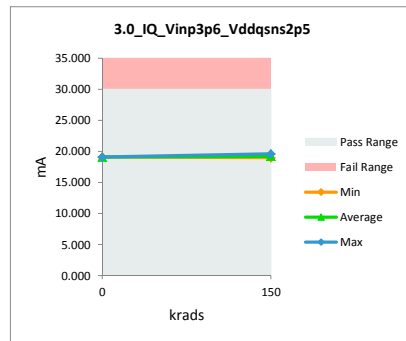


TID 150k HDR Rebound Report
TPS7H3301-SP

3.0_IQ_Vinp3p6_Vddqns2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	19.189	19.065	0.124
150	116A_Biased	19.492	19.572	-0.080
150	117A_Biased	19.015	19.117	-0.102
150	36B_biased	19.222	19.255	-0.033
150	37B_Biased	19.206	19.577	-0.371
150	39C_Biased	19.171	19.077	0.094
150	118A_Unbiased	18.935	18.968	-0.033
150	140A_Unbiased	19.306	19.062	0.244
150	38B_Unbiased	19.059	19.166	-0.107
150	39B_Unbiased	19.043	19.245	-0.202
150	40C_Unbiased	19.004	18.989	0.015
Max		19.492	19.577	0.244
Average		19.149	19.190	-0.041
Min		18.935	18.968	-0.371
Std Dev		0.160	0.211	0.166

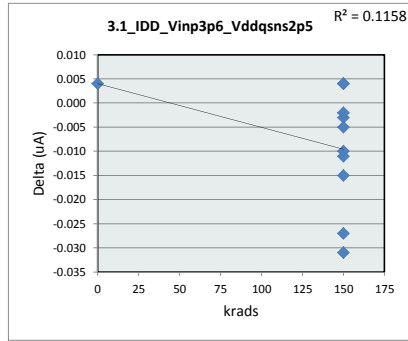


3.0_IQ_Vinp3p6_Vddqns2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	30	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	19.065	18.968
Average	19.065	19.203
Max	19.065	19.577
UL	30.000	30.000

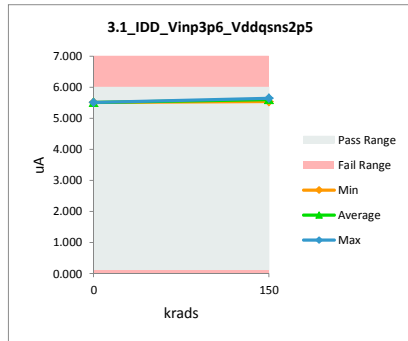


TID 150k HDR Rebound Report
TPS7H3301-SP

3.1_IDD_Vinp3p6_Vddqns2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.512	5.508	0.004
150	116A_Biased	5.629	5.632	-0.003
150	117A_Biased	5.611	5.621	-0.010
150	36B_biased	5.626	5.631	-0.005
150	37B_Biased	5.599	5.630	-0.031
150	39C_Biased	5.615	5.611	0.004
150	118A_Unbiased	5.582	5.597	-0.015
150	140A_Unbiased	5.548	5.544	0.004
150	38B_Unbiased	5.580	5.591	-0.011
150	39B_Unbiased	5.614	5.641	-0.027
150	40C_Unbiased	5.534	5.536	-0.002
	Max	5.629	5.641	0.004
	Average	5.586	5.595	-0.008
	Min	5.512	5.508	-0.031
	Std Dev	0.039	0.045	0.012

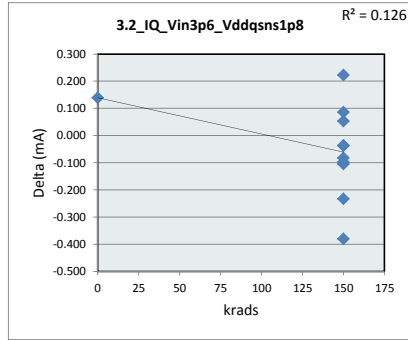


3.1_IDD_Vinp3p6_Vddqns2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	5.508	5.536
Average	5.508	5.603
Max	5.508	5.641
UL	6.000	6.000

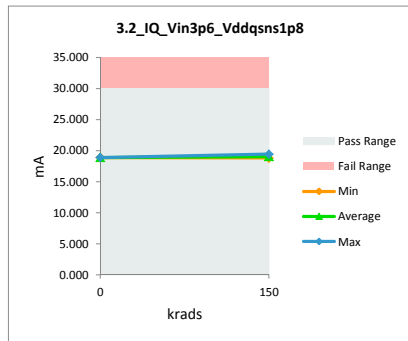


TID 150k HDR Rebound Report
TPS7H3301-SP

3.2_IQ_Vin3p6_Vddqsns1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	19.025	18.886	0.139
150	116A_Biased	19.333	19.415	-0.082
150	117A_Biased	18.862	18.966	-0.104
150	36B_biased	19.066	19.103	-0.037
150	37B_Biased	19.047	19.427	-0.380
150	39C_Biased	19.013	18.927	0.086
150	118A_Unbiased	18.785	18.821	-0.036
150	140A_Unbiased	19.134	18.911	0.223
150	38B_Unbiased	18.906	19.003	-0.097
150	39B_Unbiased	18.856	19.089	-0.233
150	40C_Unbiased	18.853	18.800	0.053
	Max	19.333	19.427	0.223
	Average	18.989	19.032	-0.043
	Min	18.785	18.800	-0.380
	Std Dev	0.159	0.215	0.170

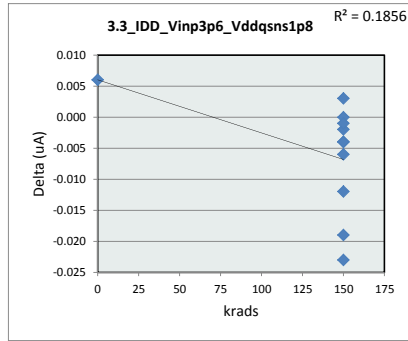


3.2_IQ_Vin3p6_Vddqsns1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	30	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	18.886	18.800
Average	18.886	19.046
Max	18.886	19.427
UL	30.000	30.000

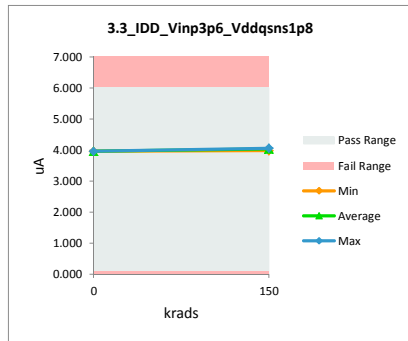


TID 150k HDR Rebound Report
TPS7H3301-SP

3.3_IDD_Vinp3p6_Vddqns1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.963	3.957	0.006
150	116A_Biased	4.047	4.051	-0.004
150	117A_Biased	4.035	4.039	-0.004
150	36B_biased	4.044	4.046	-0.002
150	37B_Biased	4.025	4.048	-0.023
150	39C_Biased	4.035	4.035	0.000
150	118A_Unbiased	4.012	4.024	-0.012
150	140A_Unbiased	3.989	3.986	0.003
150	38B_Unbiased	4.012	4.018	-0.006
150	39B_Unbiased	4.036	4.055	-0.019
150	40C_Unbiased	3.978	3.979	-0.001
	Max	4.047	4.055	0.006
	Average	4.016	4.022	-0.006
	Min	3.963	3.957	-0.023
	Std Dev	0.028	0.033	0.009

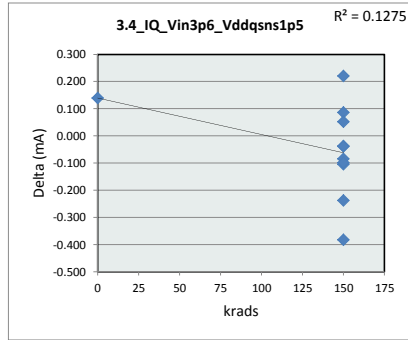


3.3_IDD_Vinp3p6_Vddqns1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	3.957	3.979
Average	3.957	4.028
Max	3.957	4.055
UL	6.000	6.000

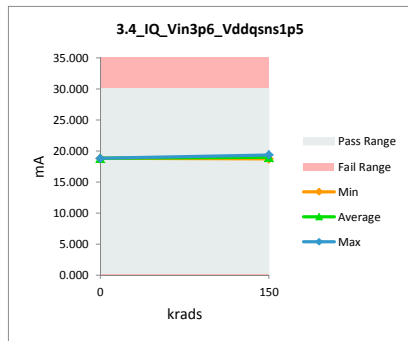


TID 150k HDR Rebound Report
TPS7H3301-SP

3.4_IQ_Vin3p6_Vddqsns1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	18.942	18.803	0.139
150	116A_Biased	19.245	19.330	-0.085
150	117A_Biased	18.776	18.880	-0.104
150	36B_biased	18.982	19.019	-0.037
150	37B_Biased	18.960	19.342	-0.382
150	39C_Biased	18.931	18.845	0.086
150	118A_Unbiased	18.704	18.742	-0.038
150	140A_Unbiased	19.049	18.829	0.220
150	38B_Unbiased	18.821	18.920	-0.099
150	39B_Unbiased	18.770	19.008	-0.238
150	40C_Unbiased	18.774	18.722	0.052
	Max	19.245	19.342	0.220
	Average	18.905	18.949	-0.044
	Min	18.704	18.722	-0.382
	Std Dev	0.157	0.213	0.170

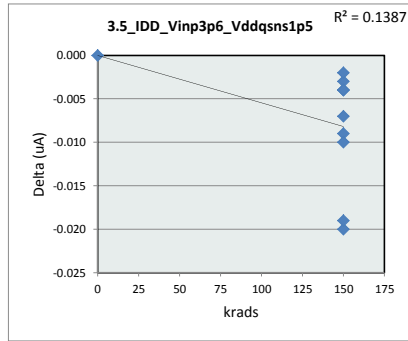


3.4_IQ_Vin3p6_Vddqsns1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	30	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	18.803	18.722
Average	18.803	18.964
Max	18.803	19.342
UL	30.000	30.000

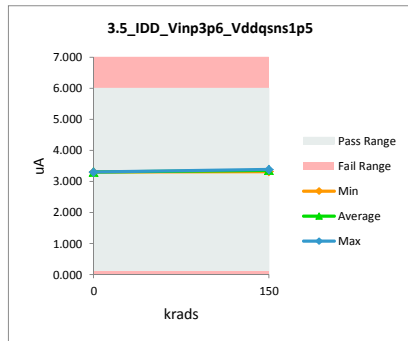


TID 150k HDR Rebound Report
TPS7H3301-SP

3.5_IDD_Vinp3p6_Vddqsn51p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.298	3.298	0.000
150	116A_Biased	3.368	3.372	-0.004
150	117A_Biased	3.356	3.365	-0.009
150	36B_biased	3.365	3.369	-0.004
150	37B_Biased	3.350	3.370	-0.020
150	39C_Biased	3.358	3.361	-0.003
150	118A_Unbiased	3.340	3.350	-0.010
150	140A_Unbiased	3.320	3.322	-0.002
150	38B_Unbiased	3.339	3.346	-0.007
150	39B_Unbiased	3.359	3.378	-0.019
150	40C_Unbiased	3.311	3.315	-0.004
	Max	3.368	3.378	0.000
	Average	3.342	3.350	-0.007
	Min	3.298	3.298	-0.020
	Std Dev	0.023	0.027	0.007

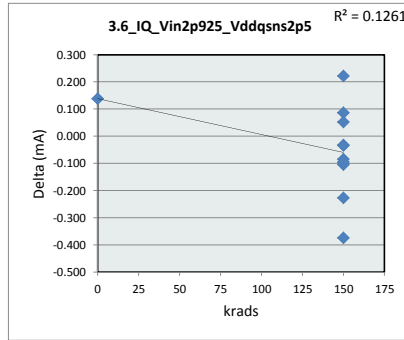


3.5_IDD_Vinp3p6_Vddqsn51p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	3.298	3.315
Average	3.298	3.355
Max	3.298	3.378
UL	6.000	6.000

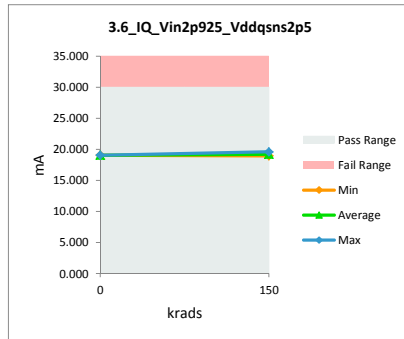


TID 150k HDR Rebound Report
TPS7H3301-SP

3.6_IQ_Vin2p925_Vddqns2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	19.174	19.036	0.138
150	116A_Biased	19.492	19.577	-0.085
150	117A_Biased	19.015	19.119	-0.104
150	36B_biased	19.218	19.251	-0.033
150	37B_Biased	19.206	19.580	-0.374
150	39C_Biased	19.162	19.076	0.086
150	118A_Unbiased	18.930	18.964	-0.034
150	140A_Unbiased	19.288	19.066	0.222
150	38B_Unbiased	19.059	19.154	-0.095
150	39B_Unbiased	19.017	19.244	-0.227
150	40C_Unbiased	18.998	18.946	0.052
	Max	19.492	19.580	0.222
	Average	19.142	19.183	-0.041
	Min	18.930	18.946	-0.374
	Std Dev	0.161	0.218	0.167

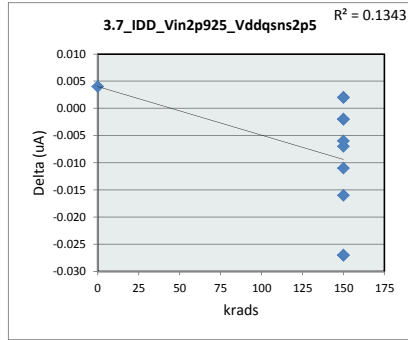


3.6_IQ_Vin2p925_Vddqns2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	30	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	19.036	18.946
Average	19.036	19.198
Max	19.036	19.580
UL	30.000	30.000

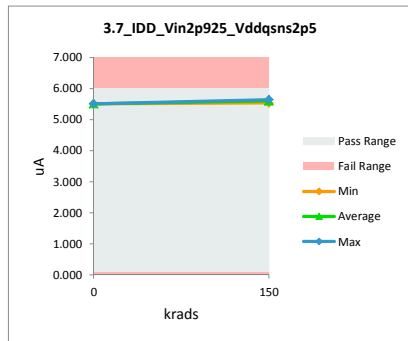


TID 150k HDR Rebound Report
TPS7H3301-SP

3.7_IDD_Vin2p925_Vddqsns2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		uA	uA	
Max Limit		6	6	
Min Limit		0.1	0.1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.512	5.508	0.004
150	116A_Biased	5.628	5.635	-0.007
150	117A_Biased	5.612	5.618	-0.006
150	36B_biased	5.627	5.629	-0.002
150	37B_Biased	5.599	5.626	-0.027
150	39C_Biased	5.614	5.612	0.002
150	118A_Unbiased	5.581	5.597	-0.016
150	140A_Unbiased	5.548	5.546	0.002
150	38B_Unbiased	5.581	5.592	-0.011
150	39B_Unbiased	5.614	5.641	-0.027
150	40C_Unbiased	5.534	5.536	-0.002
	Max	5.628	5.641	0.004
	Average	5.586	5.595	-0.008
	Min	5.512	5.508	-0.027
	Std Dev	0.039	0.045	0.011

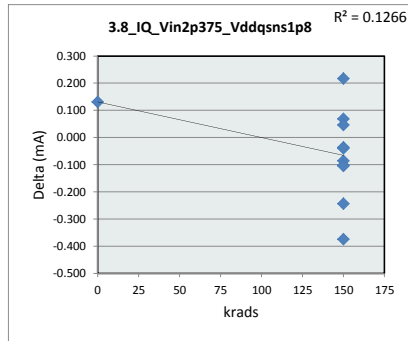


3.7_IDD_Vin2p925_Vddqsns2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	5.508	5.536
Average	5.508	5.603
Max	5.508	5.641
UL	6.000	6.000

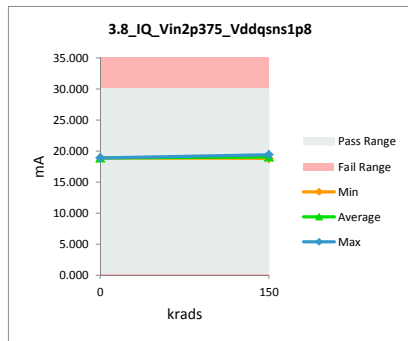


TID 150k HDR Rebound Report
TPS7H3301-SP

3.8_IQ_Vin2p375_Vddqns1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	19.021	18.890	0.131
150	116A_Biased	19.315	19.401	-0.086
150	117A_Biased	18.844	18.946	-0.102
150	36B_biased	19.043	19.083	-0.040
150	37B_Biased	19.032	19.406	-0.374
150	39C_Biased	19.014	18.945	0.069
150	118A_Unbiased	18.768	18.804	-0.036
150	140A_Unbiased	19.142	18.925	0.217
150	38B_Unbiased	18.882	18.986	-0.104
150	39B_Unbiased	18.848	19.091	-0.243
150	40C_Unbiased	18.861	18.815	0.046
Max		19.315	19.406	0.217
Average		18.979	19.027	-0.047
Min		18.768	18.804	-0.374
Std Dev		0.159	0.207	0.166



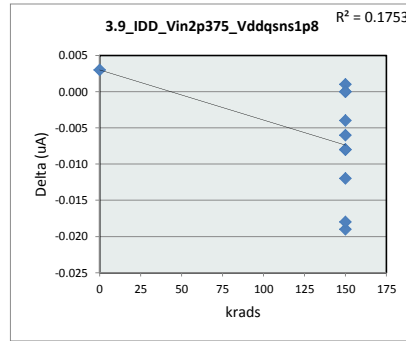
3.8_IQ_Vin2p375_Vddqns1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	30	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	18.890	18.804
Average	18.890	19.040
Max	18.890	19.406
UL	30.000	30.000



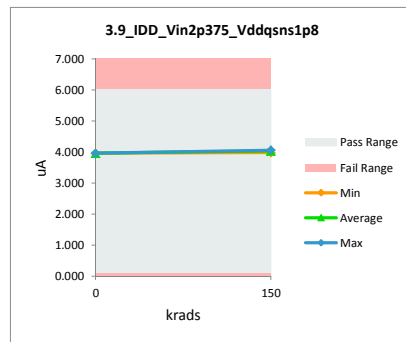
TID 150k HDR Rebound Report

TPS7H3301-SP

3.9_IDD_Vin2p375_Vddqsns1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		uA	uA	
Max Limit		6	6	
Min Limit		0.1	0.1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.962	3.959	0.003
150	116A_Biased	4.046	4.052	-0.006
150	117A_Biased	4.034	4.042	-0.008
150	36B_biased	4.044	4.048	-0.004
150	37B_Biased	4.025	4.044	-0.019
150	39C_Biased	4.035	4.035	0.000
150	118A_Unbiased	4.012	4.024	-0.012
150	140A_Unbiased	3.987	3.986	0.001
150	38B_Unbiased	4.012	4.020	-0.008
150	39B_Unbiased	4.036	4.054	-0.018
150	40C_Unbiased	3.978	3.978	0.000
	Max	4.046	4.054	0.003
	Average	4.016	4.022	-0.006
	Min	3.962	3.959	-0.019
	Std Dev	0.028	0.033	0.007



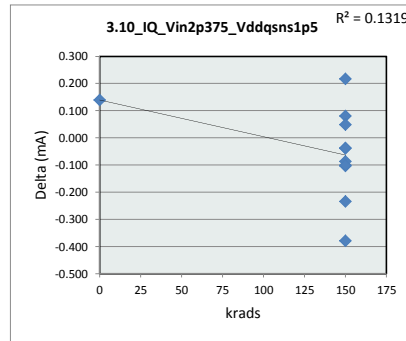
3.9_IDD_Vin2p375_Vddqsns1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	3.959	3.978
Average	3.959	4.028
Max	3.959	4.054
UL	6.000	6.000



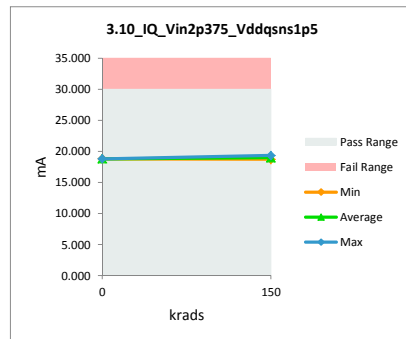
TID 150k HDR Rebound Report

TPS7H3301-SP

3.10_IQ_Vin2p375_Vddqsns1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		30	30	
Min Limit		0.1	0.1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	18.929	18.790	0.139
150	116A_Biased	19.236	19.323	-0.087
150	117A_Biased	18.767	18.870	-0.103
150	36B_biased	18.967	19.005	-0.038
150	37B_Biased	18.950	19.329	-0.379
150	39C_Biased	18.920	18.840	0.080
150	118A_Unbiased	18.697	18.734	-0.037
150	140A_Unbiased	19.041	18.824	0.217
150	38B_Unbiased	18.808	18.909	-0.101
150	39B_Unbiased	18.760	18.994	-0.234
150	40C_Unbiased	18.764	18.716	0.048
	Max	19.236	19.329	0.217
	Average	18.894	18.939	-0.045
	Min	18.697	18.716	-0.379
	Std Dev	0.157	0.212	0.168

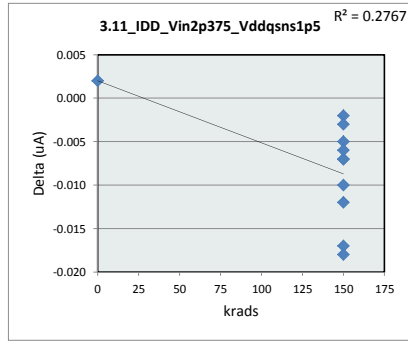


3.10_IQ_Vin2p375_Vddqsns1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	30	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	18.790	18.716
Average	18.790	18.954
Max	18.790	19.329
UL	30.000	30.000

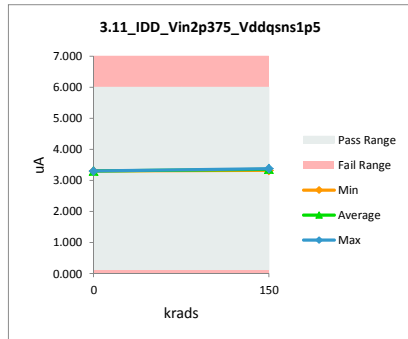


TID 150k HDR Rebound Report
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3.11_IDD_Vin2p375_Vddqsns1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.298	3.296	0.002
150	116A_Biased	3.367	3.374	-0.007
150	117A_Biased	3.357	3.364	-0.007
150	36B_biased	3.365	3.370	-0.005
150	37B_Biased	3.351	3.368	-0.017
150	39C_Biased	3.358	3.360	-0.002
150	118A_Unbiased	3.340	3.352	-0.012
150	140A_Unbiased	3.319	3.322	-0.003
150	38B_Unbiased	3.338	3.348	-0.010
150	39B_Unbiased	3.359	3.377	-0.018
150	40C_Unbiased	3.311	3.317	-0.006
	Max	3.367	3.377	0.002
	Average	3.342	3.350	-0.008
	Min	3.298	3.296	-0.018
	Std Dev	0.023	0.027	0.006

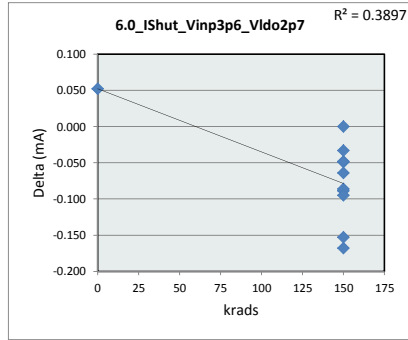


3.11_IDD_Vin2p375_Vddqsns1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	3.296	3.317
Average	3.296	3.355
Max	3.296	3.377
UL	6.000	6.000

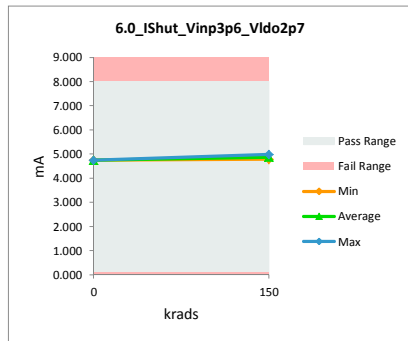


TID 150k HDR Rebound Report
TPS7H3301-SP

6.0_Ishut_Vinp3p6_Vldo2p7				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	4.793	4.741	0.052
150	116A_Biased	4.918	4.982	-0.064
150	117A_Biased	4.738	4.827	-0.089
150	36B_biased	4.777	4.826	-0.049
150	37B_Biased	4.806	4.974	-0.168
150	39C_Biased	4.812	4.845	-0.033
150	118A_Unbiased	4.699	4.785	-0.086
150	140A_Unbiased	4.862	4.862	0.000
150	38B_Unbiased	4.786	4.881	-0.095
150	39B_Unbiased	4.744	4.897	-0.153
150	40C_Unbiased	4.766	4.814	-0.048
	Max	4.918	4.982	0.052
	Average	4.791	4.858	-0.067
	Min	4.699	4.741	-0.168
	Std Dev	0.060	0.073	0.063

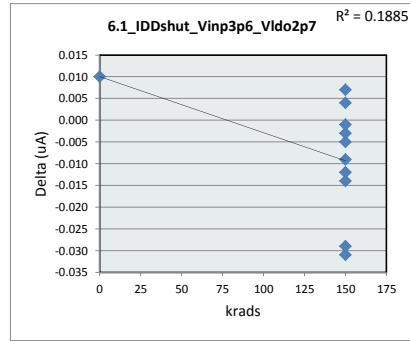


6.0_Ishut_Vinp3p6_Vldo2p7		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	4.741	4.785
Average	4.741	4.869
Max	4.741	4.982
UL	8.000	8.000

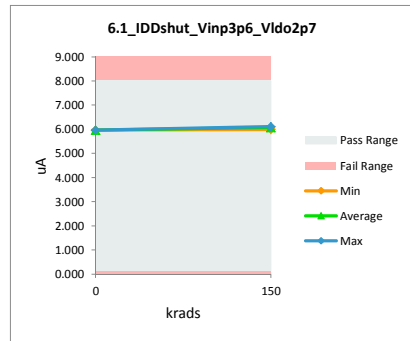


TID 150k HDR Rebound Report
TPS7H3301-SP

6.1_IDDshut_Vinp3p6_Vldo2p7				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		uA	uA	
Max Limit		8	8	
Min Limit		0.1	0.1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.974	5.964	0.010
150	116A_Biased	6.097	6.102	-0.005
150	117A_Biased	6.078	6.087	-0.009
150	36B_biased	6.095	6.096	-0.001
150	37B_Biased	6.065	6.096	-0.031
150	39C_Biased	6.082	6.078	0.004
150	118A_Unbiased	6.046	6.060	-0.014
150	140A_Unbiased	6.012	6.005	0.007
150	38B_Unbiased	6.044	6.056	-0.012
150	39B_Unbiased	6.080	6.109	-0.029
150	40C_Unbiased	5.994	5.997	-0.003
	Max	6.097	6.109	0.010
	Average	6.052	6.059	-0.008
	Min	5.974	5.964	-0.031
	Std Dev	0.042	0.049	0.013

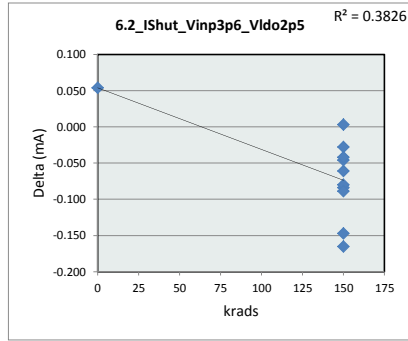


6.1_IDDshut_Vinp3p6_Vldo2p7		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	5.964	5.997
Average	5.964	6.069
Max	5.964	6.109
UL	8.000	8.000

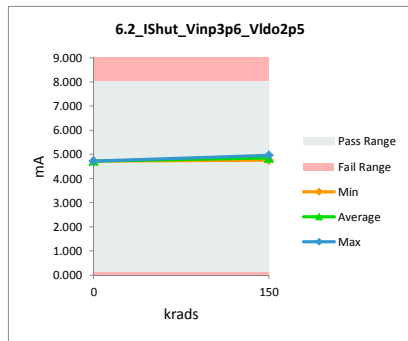


TID 150k HDR Rebound Report
TPS7H3301-SP

6.2_Ishut_Vinp3p6_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	4.777	4.723	0.054
150	116A_Biased	4.902	4.963	-0.061
150	117A_Biased	4.724	4.808	-0.084
150	36B_biased	4.762	4.808	-0.046
150	37B_Biased	4.790	4.955	-0.165
150	39C_Biased	4.797	4.825	-0.028
150	118A_Unbiased	4.685	4.765	-0.080
150	140A_Unbiased	4.844	4.841	0.003
150	38B_Unbiased	4.772	4.861	-0.089
150	39B_Unbiased	4.729	4.876	-0.147
150	40C_Unbiased	4.752	4.794	-0.042
	Max	4.902	4.963	0.054
	Average	4.776	4.838	-0.062
	Min	4.685	4.723	-0.165
	Std Dev	0.059	0.073	0.062

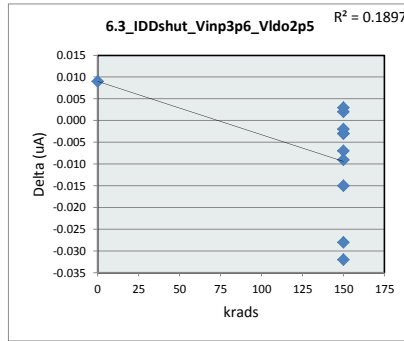


6.2_Ishut_Vinp3p6_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	4.723	4.765
Average	4.723	4.850
Max	4.723	4.963
UL	8.000	8.000

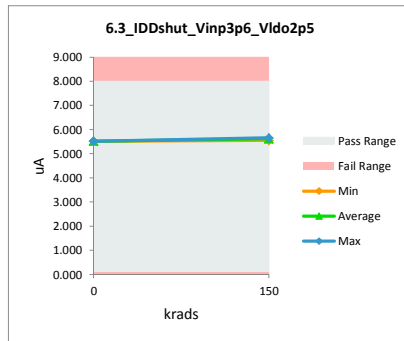


TID 150k HDR Rebound Report
TPS7H3301-SP

6.3_IDDshut_Vinp3p6_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.530	5.521	0.009
150	116A_Biased	5.647	5.650	-0.003
150	117A_Biased	5.628	5.635	-0.007
150	36B_biased	5.644	5.647	-0.003
150	37B_Biased	5.615	5.647	-0.032
150	39C_Biased	5.632	5.630	0.002
150	118A_Unbiased	5.598	5.613	-0.015
150	140A_Unbiased	5.564	5.561	0.003
150	38B_Unbiased	5.597	5.606	-0.009
150	39B_Unbiased	5.631	5.659	-0.028
150	40C_Unbiased	5.551	5.553	-0.002
	Max	5.647	5.659	0.009
	Average	5.603	5.611	-0.008
	Min	5.530	5.521	-0.032
	Std Dev	0.040	0.046	0.013

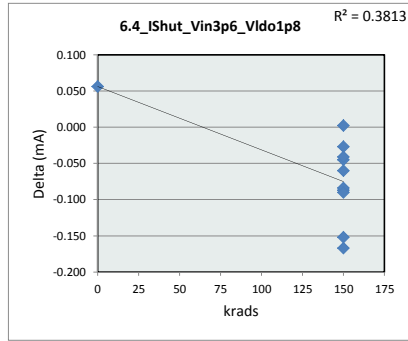


6.3_IDDshut_Vinp3p6_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	5.521	5.553
Average	5.521	5.620
Max	5.521	5.659
UL	8.000	8.000

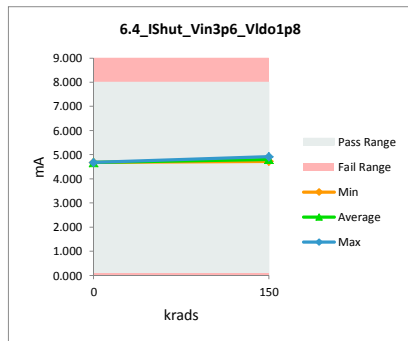


TID 150k HDR Rebound Report
TPS7H3301-SP

6.4_Ishut_Vin3p6_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	4.731	4.675	0.056
150	116A_Biased	4.853	4.913	-0.060
150	117A_Biased	4.676	4.763	-0.087
150	36B_biased	4.716	4.761	-0.045
150	37B_Biased	4.740	4.907	-0.167
150	39C_Biased	4.752	4.779	-0.027
150	118A_Unbiased	4.641	4.725	-0.084
150	140A_Unbiased	4.798	4.796	0.002
150	38B_Unbiased	4.724	4.814	-0.090
150	39B_Unbiased	4.680	4.832	-0.152
150	40C_Unbiased	4.709	4.750	-0.041
Max		4.853	4.913	0.056
Average		4.729	4.792	-0.063
Min		4.641	4.675	-0.167
Std Dev		0.059	0.072	0.064

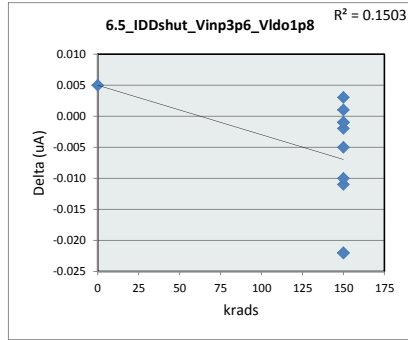


6.4_Ishut_Vin3p6_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	4.675	4.725
Average	4.675	4.804
Max	4.675	4.913
UL	8.000	8.000

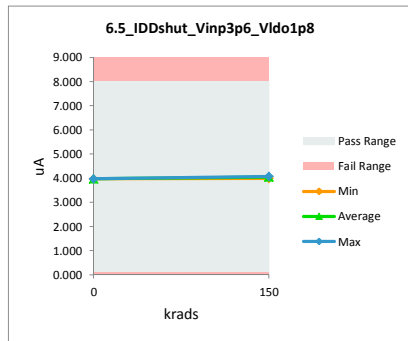


TID 150k HDR Rebound Report
TPS7H3301-SP

6.5_IDDshut_Vinp3p6_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.980	3.975	0.005
150	116A_Biased	4.064	4.066	-0.002
150	117A_Biased	4.051	4.056	-0.005
150	36B_biased	4.062	4.063	-0.001
150	37B_Biased	4.042	4.064	-0.022
150	39C_Biased	4.053	4.052	0.001
150	118A_Unbiased	4.030	4.041	-0.011
150	140A_Unbiased	4.006	4.003	0.003
150	38B_Unbiased	4.028	4.038	-0.010
150	39B_Unbiased	4.052	4.074	-0.022
150	40C_Unbiased	3.995	3.996	-0.001
	Max	4.064	4.074	0.005
	Average	4.033	4.039	-0.006
	Min	3.980	3.975	-0.022
	Std Dev	0.028	0.033	0.009

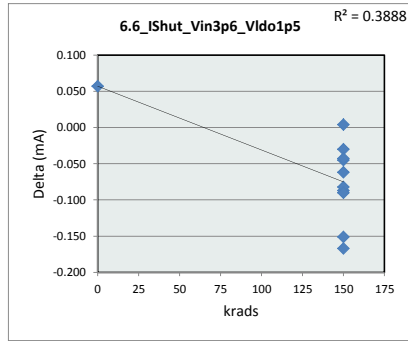


6.5_IDDshut_Vinp3p6_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	3.975	3.996
Average	3.975	4.045
Max	3.975	4.074
UL	8.000	8.000

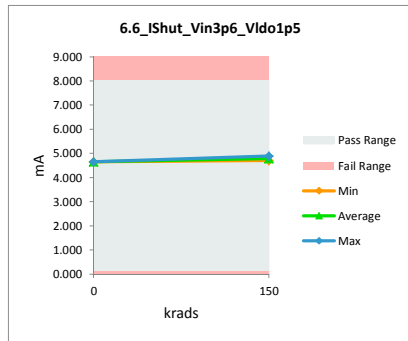


TID 150k HDR Rebound Report
TPS7H3301-SP

6.6_IShut_Vin3p6_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		8	8	
Min Limit		0.1	0.1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	4.709	4.652	0.057
150	116A_Biased	4.829	4.891	-0.062
150	117A_Biased	4.654	4.741	-0.087
150	36B_biased	4.694	4.739	-0.045
150	37B_Biased	4.716	4.883	-0.167
150	39C_Biased	4.730	4.760	-0.030
150	118A_Unbiased	4.620	4.702	-0.082
150	140A_Unbiased	4.775	4.771	0.004
150	38B_Unbiased	4.701	4.791	-0.090
150	39B_Unbiased	4.657	4.808	-0.151
150	40C_Unbiased	4.688	4.731	-0.043
Max		4.829	4.891	0.057
Average		4.707	4.770	-0.063
Min		4.620	4.652	-0.167
Std Dev		0.058	0.072	0.064

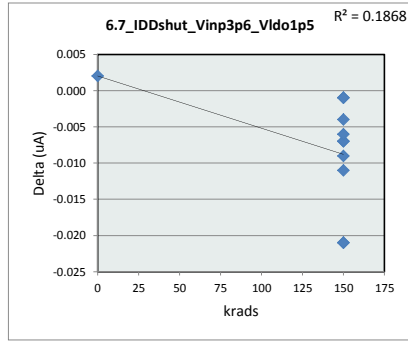


6.6_IShut_Vin3p6_Vldo1p5		
Test Site		Dallas, Tx
Tester		ETS
Test Number		EF636800
Max Limit		8 mA
Min Limit		0.1 mA
krads	0	150
LL	0.100	0.100
Min	4.652	4.702
Average	4.652	4.782
Max	4.652	4.891
UL	8.000	8.000

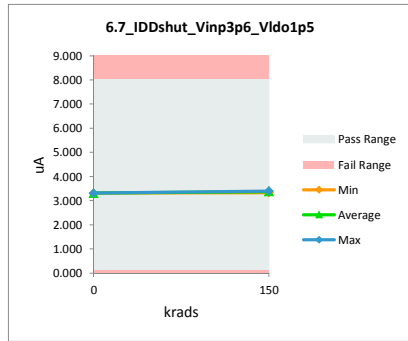


TID 150k HDR Rebound Report
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6.7_IDDshut_Vinp3p6_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		uA	uA	
Max Limit		8	8	
Min Limit		0.1	0.1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.315	3.313	0.002
150	116A_Biased	3.385	3.392	-0.007
150	117A_Biased	3.374	3.381	-0.007
150	36B_biased	3.384	3.388	-0.004
150	37B_Biased	3.367	3.388	-0.021
150	39C_Biased	3.376	3.377	-0.001
150	118A_Unbiased	3.357	3.366	-0.009
150	140A_Unbiased	3.336	3.337	-0.001
150	38B_Unbiased	3.355	3.366	-0.011
150	39B_Unbiased	3.375	3.396	-0.021
150	40C_Unbiased	3.328	3.334	-0.006
	Max	3.385	3.396	0.002
	Average	3.359	3.367	-0.008
	Min	3.315	3.313	-0.021
	Std Dev	0.024	0.027	0.008

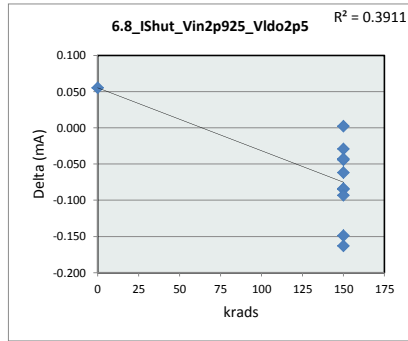


6.7_IDDshut_Vinp3p6_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	3.313	3.334
Average	3.313	3.373
Max	3.313	3.396
UL	8.000	8.000

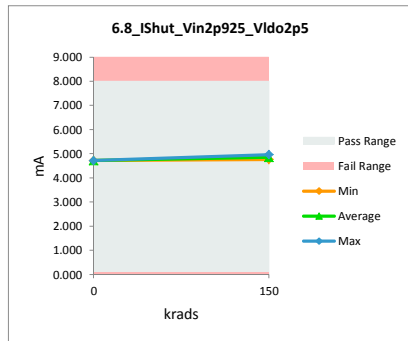


TID 150k HDR Rebound Report
TPS7H3301-SP

6.8_Ishut_Vin2p925_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		8	8	
Min Limit		0.1	0.1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	4.775	4.720	0.055
150	116A_Biased	4.900	4.962	-0.062
150	117A_Biased	4.722	4.807	-0.085
150	36B_biased	4.760	4.804	-0.044
150	37B_Biased	4.788	4.951	-0.163
150	39C_Biased	4.793	4.822	-0.029
150	118A_Unbiased	4.682	4.766	-0.084
150	140A_Unbiased	4.844	4.842	0.002
150	38B_Unbiased	4.768	4.861	-0.093
150	39B_Unbiased	4.727	4.876	-0.149
150	40C_Unbiased	4.750	4.793	-0.043
	Max	4.900	4.962	0.055
	Average	4.774	4.837	-0.063
	Min	4.682	4.720	-0.163
	Std Dev	0.060	0.073	0.063

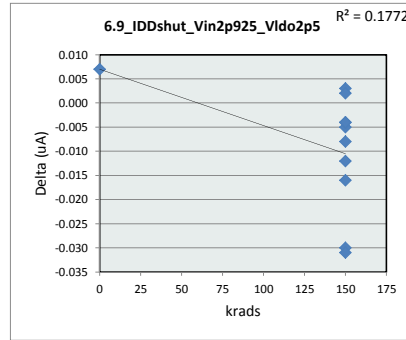


6.8_Ishut_Vin2p925_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	4.720	4.766
Average	4.720	4.848
Max	4.720	4.962
UL	8.000	8.000

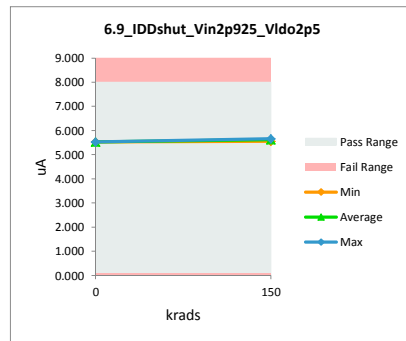


TID 150k HDR Rebound Report
TPS7H3301-SP

6.9_IDDshut_Vin2p925_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		uA	uA	
Max Limit		8	8	
Min Limit		0.1	0.1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.530	5.523	0.007
150	116A_Biased	5.646	5.651	-0.005
150	117A_Biased	5.628	5.636	-0.008
150	36B_biased	5.644	5.648	-0.004
150	37B_Biased	5.616	5.646	-0.030
150	39C_Biased	5.633	5.630	0.003
150	118A_Unbiased	5.598	5.614	-0.016
150	140A_Unbiased	5.565	5.563	0.002
150	38B_Unbiased	5.597	5.609	-0.012
150	39B_Unbiased	5.630	5.661	-0.031
150	40C_Unbiased	5.550	5.554	-0.004
	Max	5.646	5.661	0.007
	Average	5.603	5.612	-0.009
	Min	5.530	5.523	-0.031
	Std Dev	0.039	0.046	0.013

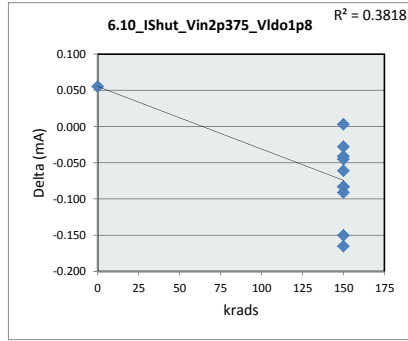


6.9_IDDshut_Vin2p925_Vldo2		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	5.523	5.554
Average	5.523	5.621
Max	5.523	5.661
UL	8.000	8.000

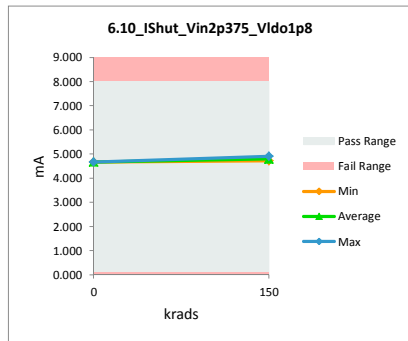


TID 150k HDR Rebound Report
TPS7H3301-SP

6.10_Ishut_Vin2p375_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	4.727	4.672	0.055
150	116A_Biased	4.850	4.911	-0.061
150	117A_Biased	4.674	4.757	-0.083
150	36B_biased	4.712	4.757	-0.045
150	37B_Biased	4.737	4.902	-0.165
150	39C_Biased	4.747	4.775	-0.028
150	118A_Unbiased	4.638	4.721	-0.083
150	140A_Unbiased	4.795	4.792	0.003
150	38B_Unbiased	4.720	4.811	-0.091
150	39B_Unbiased	4.677	4.827	-0.150
150	40C_Unbiased	4.706	4.747	-0.041
	Max	4.850	4.911	0.055
	Average	4.726	4.788	-0.063
	Min	4.638	4.672	-0.165
	Std Dev	0.058	0.072	0.063

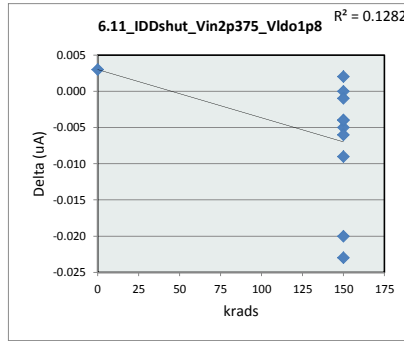


6.10_Ishut_Vin2p375_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	4.672	4.721
Average	4.672	4.800
Max	4.672	4.911
UL	8.000	8.000

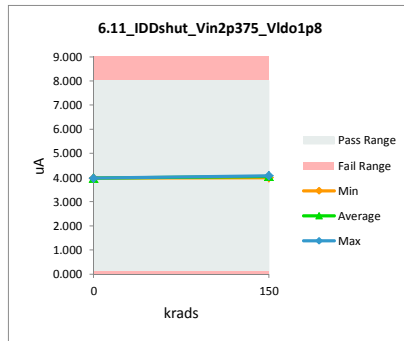


TID 150k HDR Rebound Report
TPS7H3301-SP

6.11_IDDshut_Vin2p375_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.980	3.977	0.003
150	116A_Biased	4.064	4.069	-0.005
150	117A_Biased	4.051	4.055	-0.004
150	36B_biased	4.062	4.066	-0.004
150	37B_Biased	4.042	4.065	-0.023
150	39C_Biased	4.054	4.052	0.002
150	118A_Unbiased	4.030	4.039	-0.009
150	140A_Unbiased	4.005	4.005	0.000
150	38B_Unbiased	4.029	4.035	-0.006
150	39B_Unbiased	4.052	4.072	-0.020
150	40C_Unbiased	3.995	3.996	-0.001
	Max	4.064	4.072	0.003
	Average	4.033	4.039	-0.006
	Min	3.980	3.977	-0.023
	Std Dev	0.028	0.033	0.008

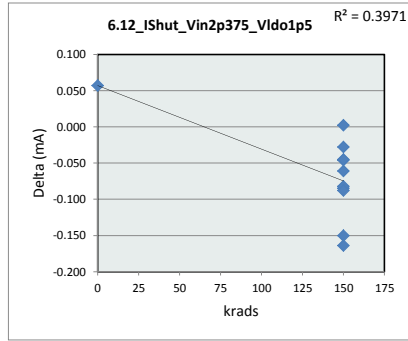


6.11_IDDshut_Vin2p375_Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	3.977	3.996
Average	3.977	4.045
Max	3.977	4.072
UL	8.000	8.000

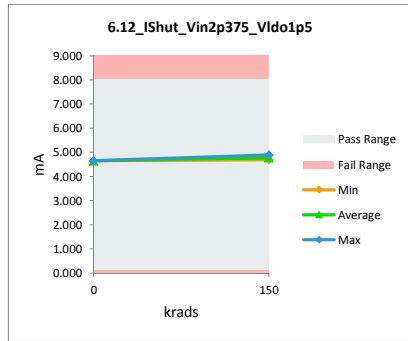


TID 150k HDR Rebound Report
TPS7H3301-SP

6.12_Ishut_Vin2p375_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		8	8	
Min Limit		0.1	0.1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	4.706	4.649	0.057
150	116A_Biased	4.828	4.889	-0.061
150	117A_Biased	4.652	4.737	-0.085
150	36B_biased	4.690	4.736	-0.046
150	37B_Biased	4.715	4.879	-0.164
150	39C_Biased	4.726	4.754	-0.028
150	118A_Unbiased	4.617	4.699	-0.082
150	140A_Unbiased	4.772	4.770	0.002
150	38B_Unbiased	4.698	4.786	-0.088
150	39B_Unbiased	4.655	4.805	-0.150
150	40C_Unbiased	4.684	4.729	-0.045
	Max	4.828	4.889	0.057
	Average	4.704	4.767	-0.063
	Min	4.617	4.649	-0.164
	Std Dev	0.058	0.072	0.063

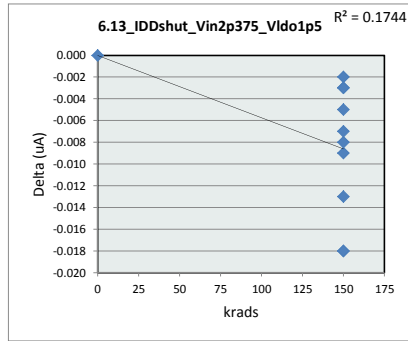


6.12_Ishut_Vin2p375_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	4.649	4.699
Average	4.649	4.778
Max	4.649	4.889
UL	8.000	8.000

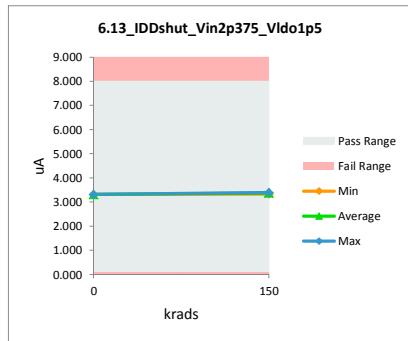


TID 150k HDR Rebound Report
TPS7H3301-SP

6.13_IDDshut_Vin2p375_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.316	3.316	0.000
150	116A_Biased	3.385	3.392	-0.007
150	117A_Biased	3.375	3.384	-0.009
150	36B_biased	3.383	3.386	-0.003
150	37B_Biased	3.367	3.385	-0.018
150	39C_Biased	3.376	3.379	-0.003
150	118A_Unbiased	3.356	3.369	-0.013
150	140A_Unbiased	3.336	3.338	-0.002
150	38B_Unbiased	3.355	3.363	-0.008
150	39B_Unbiased	3.376	3.394	-0.018
150	40C_Unbiased	3.328	3.333	-0.005
	Max	3.385	3.394	0.000
	Average	3.359	3.367	-0.008
	Min	3.316	3.316	-0.018
	Std Dev	0.023	0.027	0.006

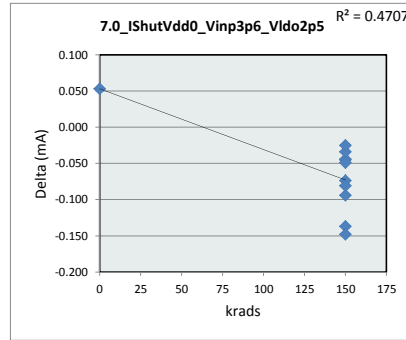


6.13_IDDshut_Vin2p375_Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	3.316	3.333
Average	3.316	3.372
Max	3.316	3.394
UL	8.000	8.000

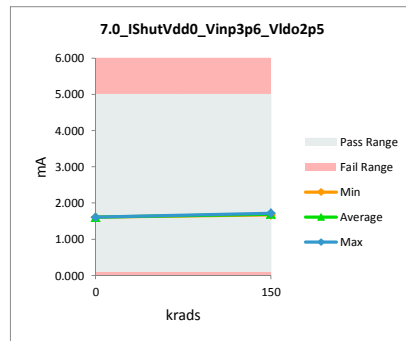


TID 150k HDR Rebound Report
TPS7H3301-SP

7.0_IshutVdd0_Vinp3p6_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		5	5	
Min Limit		0.1	0.1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.661	1.608	0.053
150	116A_Biased	1.647	1.692	-0.045
150	117A_Biased	1.627	1.701	-0.074
150	36B_biased	1.636	1.680	-0.044
150	37B_Biased	1.551	1.688	-0.137
150	39C_Biased	1.675	1.709	-0.034
150	118A_Unbiased	1.592	1.686	-0.094
150	140A_Unbiased	1.645	1.670	-0.025
150	38B_Unbiased	1.628	1.709	-0.081
150	39B_Unbiased	1.569	1.717	-0.148
150	40C_Unbiased	1.629	1.678	-0.049
	Max	1.675	1.717	0.053
	Average	1.624	1.685	-0.062
	Min	1.551	1.608	-0.148
	Std Dev	0.038	0.030	0.055

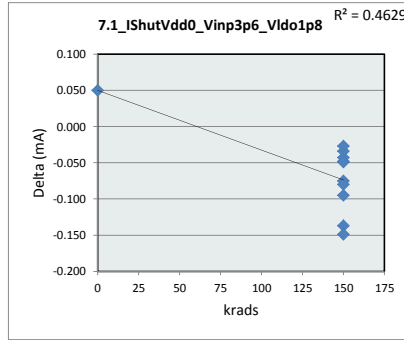


7.0_IshutVdd0_Vinp3p6_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	5	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	1.608	1.670
Average	1.608	1.693
Max	1.608	1.717
UL	5.000	5.000

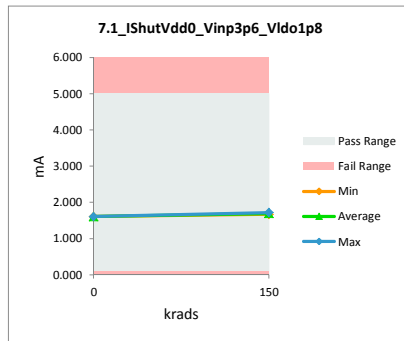


TID 150k HDR Rebound Report
TPS7H3301-SP

7.1_IshutVdd0_Vinp3p6_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.660	1.610	0.050
150	116A_Biased	1.646	1.694	-0.048
150	117A_Biased	1.626	1.701	-0.075
150	36B_biased	1.636	1.679	-0.043
150	37B_Biased	1.551	1.688	-0.137
150	39C_Biased	1.674	1.708	-0.034
150	118A_Unbiased	1.590	1.685	-0.095
150	140A_Unbiased	1.644	1.671	-0.027
150	38B_Unbiased	1.627	1.707	-0.080
150	39B_Unbiased	1.569	1.718	-0.149
150	40C_Unbiased	1.628	1.677	-0.049
Max		1.674	1.718	0.050
Average		1.623	1.685	-0.062
Min		1.551	1.610	-0.149
Std Dev		0.038	0.029	0.055

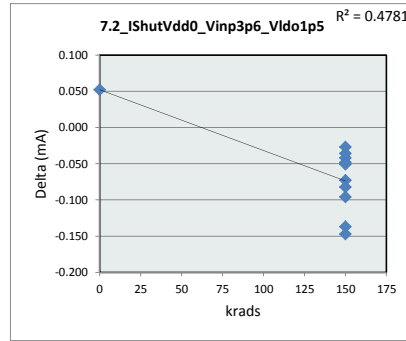


7.1_IshutVdd0_Vinp3p6_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	5	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	1.610	1.671
Average	1.610	1.693
Max	1.610	1.718
UL	5.000	5.000

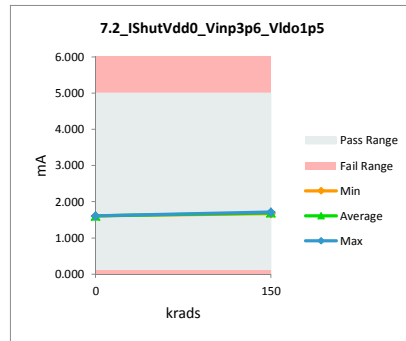


TID 150k HDR Rebound Report
TPS7H3301-SP

7.2_IshutVdd0_Vinp3p6_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.660	1.608	0.052
150	116A_Biased	1.646	1.694	-0.048
150	117A_Biased	1.626	1.699	-0.073
150	36B_biased	1.635	1.677	-0.042
150	37B_Biased	1.551	1.688	-0.137
150	39C_Biased	1.674	1.710	-0.036
150	118A_Unbiased	1.591	1.687	-0.096
150	140A_Unbiased	1.644	1.671	-0.027
150	38B_Unbiased	1.628	1.710	-0.082
150	39B_Unbiased	1.569	1.716	-0.147
150	40C_Unbiased	1.628	1.679	-0.051
	Max	1.674	1.716	0.052
	Average	1.623	1.685	-0.062
	Min	1.551	1.608	-0.147
	Std Dev	0.038	0.030	0.055

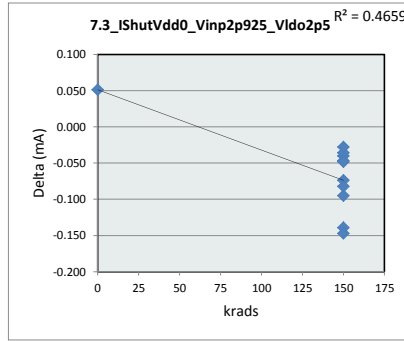


7.2_IshutVdd0_Vinp3p6_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	5	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	1.608	1.671
Average	1.608	1.693
Max	1.608	1.716
UL	5.000	5.000

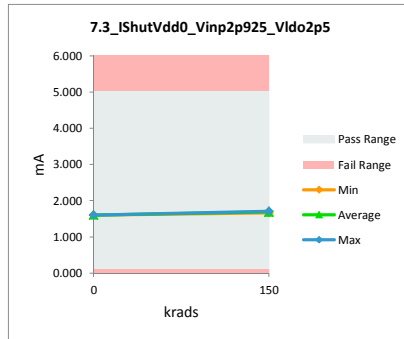


TID 150k HDR Rebound Report
TPS7H3301-SP

7.3_IShutVdd0_Vinp2p925_Vldo2p5				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.653	1.602	0.051
150	116A_Biased	1.638	1.685	-0.047
150	117A_Biased	1.619	1.693	-0.074
150	36B_biased	1.629	1.669	-0.040
150	37B_Biased	1.544	1.683	-0.139
150	39C_Biased	1.666	1.702	-0.036
150	118A_Unbiased	1.584	1.679	-0.095
150	140A_Unbiased	1.636	1.664	-0.028
150	38B_Unbiased	1.620	1.702	-0.082
150	39B_Unbiased	1.562	1.709	-0.147
150	40C_Unbiased	1.621	1.669	-0.048
	Max	1.666	1.709	0.051
	Average	1.616	1.678	-0.062
	Min	1.544	1.602	-0.147
	Std Dev	0.038	0.029	0.055

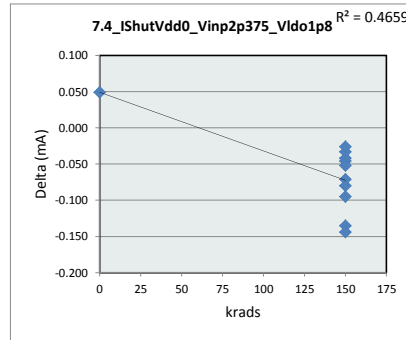


7.3_IShutVdd0_Vinp2p925_Vldo2p5		
krads	0	150
LL	0.100	0.100
Min	1.602	1.664
Average	1.602	1.686
Max	1.602	1.709
UL	5.000	5.000

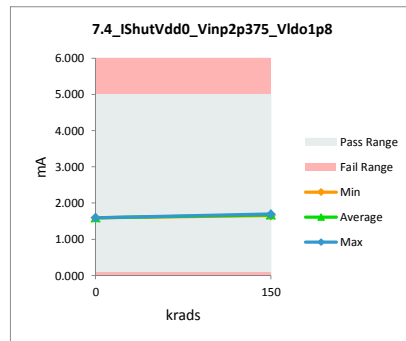


TID 150k HDR Rebound Report
TPS7H3301-SP

7.4_IshutVdd0_Vinp2p375_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.642	1.593	0.049
150	116A_Biased	1.628	1.674	-0.046
150	117A_Biased	1.609	1.680	-0.071
150	36B_biased	1.617	1.659	-0.042
150	37B_Biased	1.534	1.669	-0.135
150	39C_Biased	1.656	1.689	-0.033
150	118A_Unbiased	1.574	1.669	-0.095
150	140A_Unbiased	1.626	1.652	-0.026
150	38B_Unbiased	1.609	1.689	-0.080
150	39B_Unbiased	1.552	1.696	-0.144
150	40C_Unbiased	1.610	1.662	-0.052
	Max	1.656	1.696	0.049
	Average	1.605	1.667	-0.061
	Min	1.534	1.593	-0.144
	Std Dev	0.037	0.028	0.054

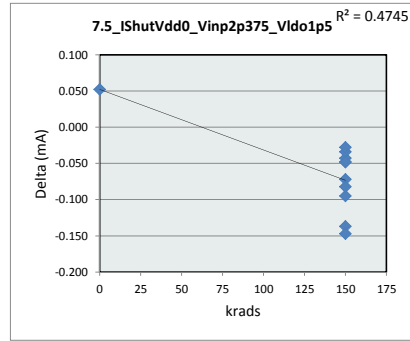


7.4_IshutVdd0_Vinp2p375_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	5	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	1.593	1.652
Average	1.593	1.674
Max	1.593	1.696
UL	5.000	5.000

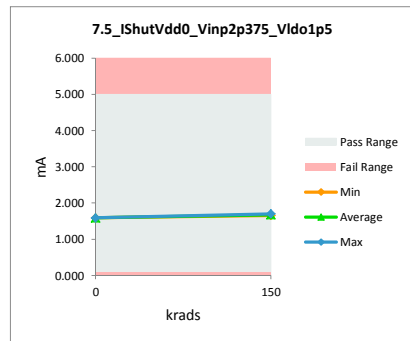


TID 150k HDR Rebound Report
TPS7H3301-SP

7.5_IshutVdd0_Vinp2p375_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.643	1.591	0.052
150	116A_Biased	1.628	1.676	-0.048
150	117A_Biased	1.609	1.681	-0.072
150	36B_biased	1.618	1.661	-0.043
150	37B_Biased	1.534	1.671	-0.137
150	39C_Biased	1.656	1.690	-0.034
150	118A_Unbiased	1.575	1.670	-0.095
150	140A_Unbiased	1.627	1.655	-0.028
150	38B_Unbiased	1.610	1.692	-0.082
150	39B_Unbiased	1.552	1.699	-0.147
150	40C_Unbiased	1.611	1.659	-0.048
	Max	1.656	1.699	0.052
	Average	1.606	1.668	-0.062
	Min	1.534	1.591	-0.147
	Std Dev	0.037	0.029	0.055

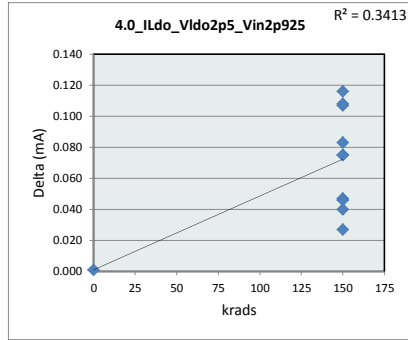


7.5_IshutVdd0_Vinp2p375_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	5	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	1.591	1.655
Average	1.591	1.675
Max	1.591	1.699
UL	5.000	5.000

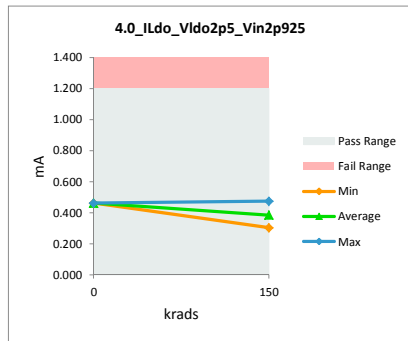


TID 150k HDR Rebound Report
TPS7H3301-SP

4.0_ILdo_Vldo2p5_Vin2p925				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.463	0.462	0.001
150	116A_Biased	0.387	0.360	0.027
150	117A_Biased	0.521	0.446	0.075
150	36B_biased	0.581	0.474	0.107
150	37B_Biased	0.462	0.387	0.075
150	39C_Biased	0.445	0.337	0.108
150	118A_Unbiased	0.343	0.303	0.040
150	140A_Unbiased	0.357	0.310	0.047
150	38B_Unbiased	0.549	0.466	0.083
150	39B_Unbiased	0.468	0.352	0.116
150	40C_Unbiased	0.454	0.408	0.046
Max		0.581	0.474	0.116
Average		0.457	0.391	0.066
Min		0.343	0.303	0.001
Std Dev		0.075	0.064	0.037

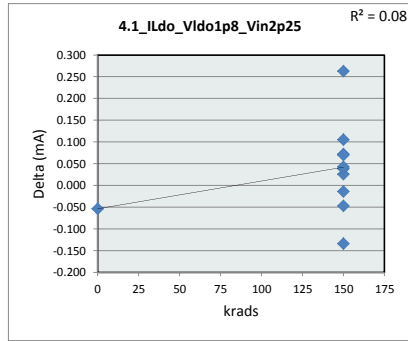


4.0_ILdo_Vldo2p5_Vin2p925		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.2	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	0.462	0.303
Average	0.462	0.384
Max	0.462	0.474
UL	1.200	1.200

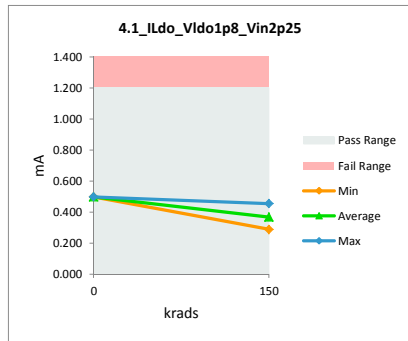


TID 150k HDR Rebound Report
TPS7H3301-SP

4.1_ILdo_Vldo1p8_Vin2p25				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS		
Test Number		EF636800		
Unit		mA		
Max Limit		1.2		
Min Limit		0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.444	0.498	-0.054
150	116A_Biased	0.372	0.346	0.026
150	117A_Biased	0.499	0.427	0.072
150	36B_biased	0.440	0.454	-0.014
150	37B_Biased	0.440	0.370	0.070
150	39C_Biased	0.426	0.321	0.105
150	118A_Unbiased	0.327	0.289	0.038
150	140A_Unbiased	0.341	0.298	0.043
150	38B_Unbiased	0.402	0.449	-0.047
150	39B_Unbiased	0.203	0.337	-0.134
150	40C_Unbiased	0.653	0.390	0.263
	Max	0.653	0.498	0.263
	Average	0.413	0.380	0.033
	Min	0.203	0.289	-0.134
	Std Dev	0.112	0.069	0.103



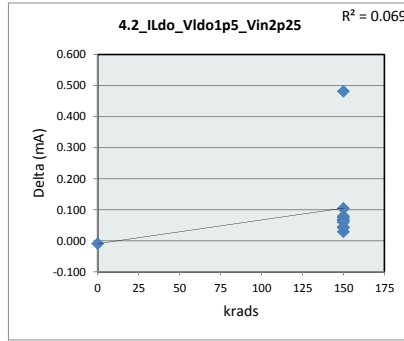
4.1_ILdo_Vldo1p8_Vin2p25		
Test Site		Dallas, Tx
Tester		ETS
Test Number		EF636800
Max Limit		1.2 mA
Min Limit		0 mA
krads	0	150
LL	0.000	0.000
Min	0.498	0.289
Average	0.498	0.368
Max	0.498	0.454
UL	1.200	1.200



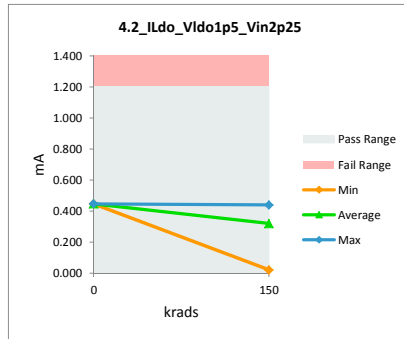
TID 150k HDR Rebound Report

TPS7H3301-SP

4.2_ILdo_Vldo1p5_Vin2p25				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.436	0.446	-0.010
150	116A_Biased	0.370	0.341	0.029
150	117A_Biased	0.498	0.419	0.079
150	36B_biased	0.502	0.021	0.481
150	37B_Biased	0.433	0.364	0.069
150	39C_Biased	0.419	0.315	0.104
150	118A_Unbiased	0.326	0.284	0.042
150	140A_Unbiased	0.337	0.293	0.044
150	38B_Unbiased	0.514	0.439	0.075
150	39B_Unbiased	0.397	0.332	0.065
150	40C_Unbiased	0.442	0.383	0.059
Max		0.514	0.446	0.481
Average		0.425	0.331	0.094
Min		0.326	0.021	-0.010
Std Dev		0.064	0.117	0.132

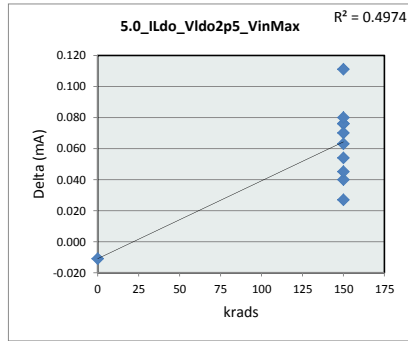


4.2_ILdo_Vldo1p5_Vin2p25		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.2	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	0.446	0.021
Average	0.446	0.319
Max	0.446	0.439
UL	1.200	1.200

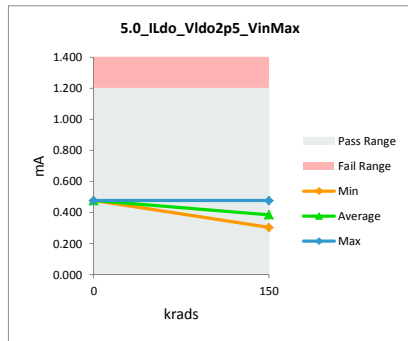


TID 150k HDR Rebound Report
TPS7H3301-SP

5.0_ILdo_Vldo2p5_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.465	0.476	-0.011
150	116A_Biased	0.388	0.361	0.027
150	117A_Biased	0.522	0.446	0.076
150	36B_biased	0.530	0.476	0.054
150	37B_Biased	0.463	0.387	0.076
150	39C_Biased	0.447	0.336	0.111
150	118A_Unbiased	0.343	0.303	0.040
150	140A_Unbiased	0.356	0.311	0.045
150	38B_Unbiased	0.547	0.467	0.080
150	39B_Unbiased	0.423	0.353	0.070
150	40C_Unbiased	0.472	0.409	0.063
Max		0.547	0.476	0.111
Average		0.451	0.393	0.057
Min		0.343	0.303	-0.011
Std Dev		0.068	0.066	0.032

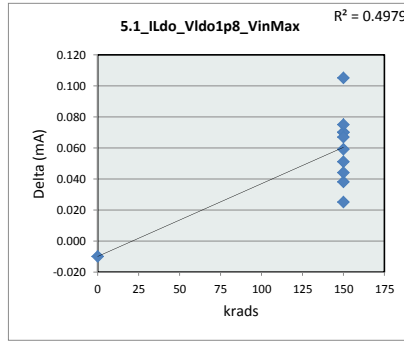


5.0_ILdo_Vldo2p5_VinMax		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.2	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	0.476	0.303
Average	0.476	0.385
Max	0.476	0.476
UL	1.200	1.200

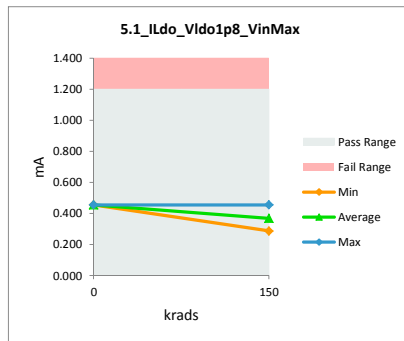


TID 150k HDR Rebound Report
TPS7H3301-SP

5.1_ILdo_Vldo1p8_VinMax				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		1.2	1.2	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.444	0.454	-0.010
150	116A_Biased	0.371	0.346	0.025
150	117A_Biased	0.497	0.427	0.070
150	36B_biased	0.505	0.454	0.051
150	37B_Biased	0.440	0.370	0.070
150	39C_Biased	0.425	0.320	0.105
150	118A_Unbiased	0.325	0.287	0.038
150	140A_Unbiased	0.342	0.298	0.044
150	38B_Unbiased	0.522	0.447	0.075
150	39B_Unbiased	0.403	0.336	0.067
150	40C_Unbiased	0.449	0.390	0.059
Max		0.522	0.454	0.105
Average		0.429	0.375	0.054
Min		0.325	0.287	-0.010
Std Dev		0.065	0.063	0.030

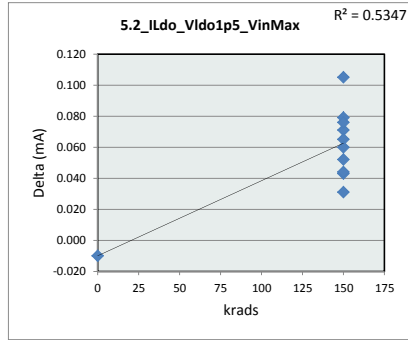


5.1_ILdo_Vldo1p8_VinMax		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.2	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	0.454	0.287
Average	0.454	0.368
Max	0.454	0.454
UL	1.200	1.200

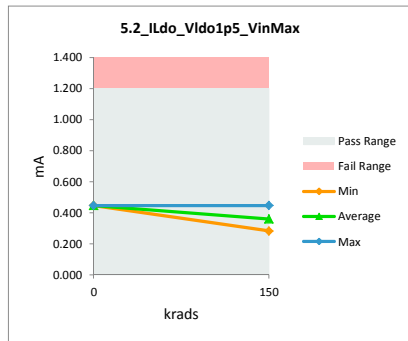


TID 150k HDR Rebound Report
TPS7H3301-SP

5.2_ILdo_Vldo1p5_VinMax				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		1.2	1.2	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.436	0.446	-0.010
150	116A_Biased	0.370	0.339	0.031
150	117A_Biased	0.496	0.417	0.079
150	36B_biased	0.498	0.446	0.052
150	37B_Biased	0.433	0.362	0.071
150	39C_Biased	0.418	0.313	0.105
150	118A_Unbiased	0.325	0.282	0.043
150	140A_Unbiased	0.336	0.292	0.044
150	38B_Unbiased	0.514	0.438	0.076
150	39B_Unbiased	0.397	0.332	0.065
150	40C_Unbiased	0.441	0.381	0.060
	Max	0.514	0.446	0.105
	Average	0.424	0.368	0.056
	Min	0.325	0.282	-0.010
	Std Dev	0.064	0.062	0.030

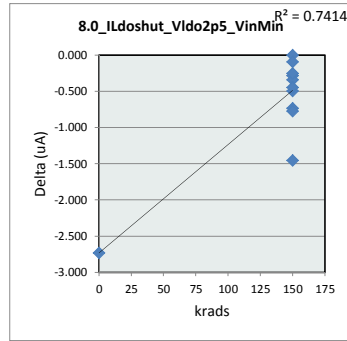


5.2_ILdo_Vldo1p5_VinMax		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.2	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	0.446	0.282
Average	0.446	0.360
Max	0.446	0.446
UL	1.200	1.200

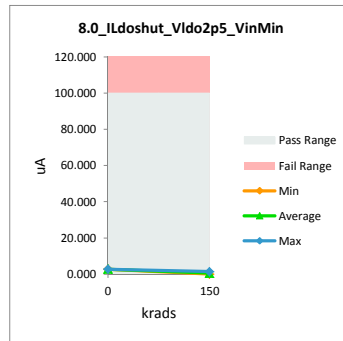


TID 150k HDR Rebound Report
TPS7H3301-SP

8.0_ILdoshut_Vldo2p5_VinMin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		uA	uA	
Max Limit		100	100	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.002	2.732	-2.730
150	116A_Biased	0.000	0.286	-0.286
150	117A_Biased	0.000	0.341	-0.341
150	36B_biased	0.000	0.252	-0.252
150	37B_Biased	0.000	0.736	-0.736
150	39C_Biased	0.000	0.498	-0.498
150	118A_Unbiased	0.000	0.002	-0.002
150	140A_Unbiased	0.003	0.099	-0.096
150	38B_Unbiased	0.000	0.447	-0.447
150	39B_Unbiased	0.000	0.775	-0.775
150	40C_Unbiased	0.000	1.457	-1.457
	Max	0.003	2.732	-0.002
	Average	0.000	0.693	-0.693
	Min	0.000	0.002	-2.730
	Std Dev	0.001	0.785	0.785

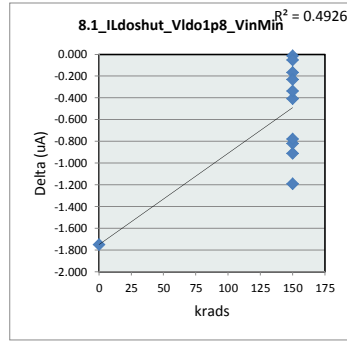


8.0_ILdoshut_Vldo2p5_VinMin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	uA
Min Limit	0	uA
krads	0	150
LL	0.000	0.000
Min	2.732	0.002
Average	2.732	0.489
Max	2.732	1.457
UL	100.000	100.000

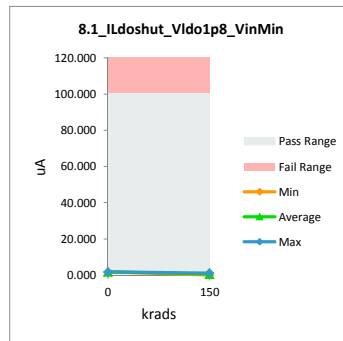


TID 150k HDR Rebound Report
TPS7H3301-SP

8.1_ILdoshut_Vldo1p8_VinMin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		uA	uA	
Max Limit		100	100	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.003	1.753	-1.750
150	116A_Biased	0.000	0.166	-0.166
150	117A_Biased	0.000	0.232	-0.232
150	36B_biased	0.000	0.014	-0.014
150	37B_Biased	0.000	0.821	-0.821
150	39C_Biased	0.000	0.911	-0.911
150	118A_Unbiased	0.000	0.408	-0.408
150	140A_Unbiased	0.003	0.053	-0.050
150	38B_Unbiased	0.000	0.778	-0.778
150	39B_Unbiased	0.000	0.338	-0.338
150	40C_Unbiased	0.000	1.192	-1.192
Max		0.003	1.753	-0.014
Average		0.001	0.606	-0.605
Min		0.000	0.014	-1.750
Std Dev		0.001	0.541	0.541

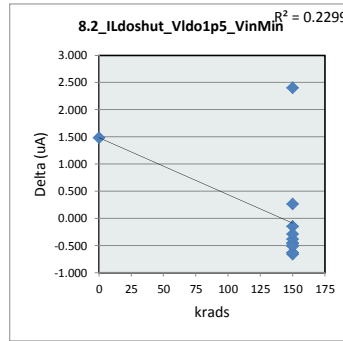


8.1_ILdoshut_Vldo1p8_VinMin		
Test Site		Dallas, Tx
Tester		ETS
Test Number		EF636800
Max Limit		100 uA
Min Limit		0 uA
krads		
0	150	
LL	0.000	0.000
Min	1.753	0.014
Average	1.753	0.491
Max	1.753	1.192
UL	100.000	100.000

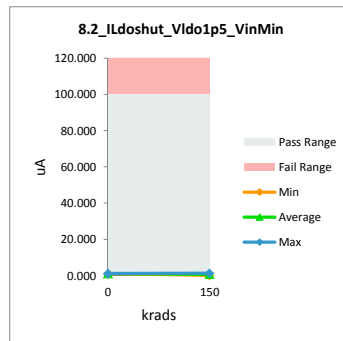


TID 150k HDR Rebound Report
TPS7H3301-SP

8.2_ILdoshut_Vldo1p5_VinMin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.506	1.020	1.486
150	116A_Biased	0.326	0.782	-0.456
150	117A_Biased	0.283	0.017	0.266
150	36B_biased	0.170	0.829	-0.659
150	37B_Biased	0.185	0.334	-0.149
150	39C_Biased	0.376	0.841	-0.465
150	118A_Unbiased	0.291	0.673	-0.382
150	140A_Unbiased	2.506	0.103	2.403
150	38B_Unbiased	0.369	0.658	-0.289
150	39B_Unbiased	0.349	0.981	-0.632
150	40C_Unbiased	0.696	1.208	-0.512
	Max	2.506	1.208	2.403
	Average	0.732	0.677	0.056
	Min	0.170	0.017	-0.659
	Std Dev	0.888	0.379	0.989

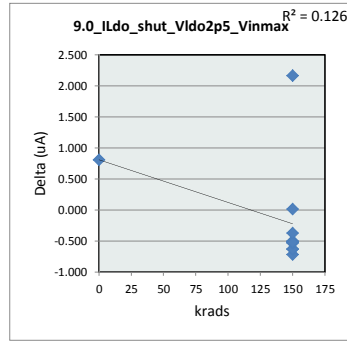


8.2_ILdoshut_Vldo1p5_VinMin		
krads	0	150
LL	0.000	0.000
Min	1.020	0.017
Average	1.020	0.643
Max	1.020	1.208
UL	100.000	100.000

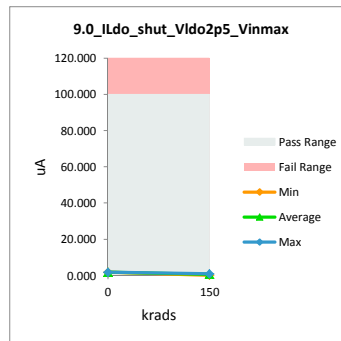


TID 150k HDR Rebound Report
TPS7H3301-SP

9.0_ILdo_shut_Vldo2p5_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.592	1.784	0.808
150	116A_Biased	0.115	0.100	0.015
150	117A_Biased	0.083	0.801	-0.718
150	36B_biased	0.002	0.634	-0.632
150	37B_Biased	0.278	0.907	-0.629
150	39C_Biased	0.025	0.529	-0.504
150	118A_Unbiased	0.146	0.677	-0.531
150	140A_Unbiased	2.584	0.419	2.165
150	38B_Unbiased	0.069	0.568	-0.499
150	39B_Unbiased	0.017	0.541	-0.524
150	40C_Unbiased	0.326	0.697	-0.371
	Max	2.592	1.784	2.165
	Average	0.567	0.696	-0.129
	Min	0.002	0.100	-0.718
	Std Dev	1.004	0.418	0.875

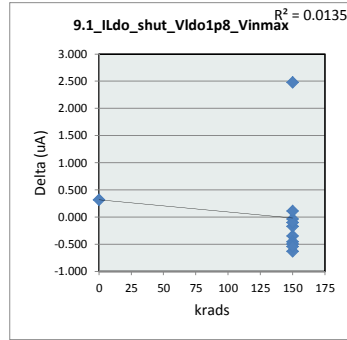


9.0_ILdo_shut_Vldo2p5_Vinmax		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	uA
Min Limit	0	uA
krads	0	150
LL	0.000	0.000
Min	1.784	0.100
Average	1.784	0.587
Max	1.784	0.907
UL	100.000	100.000

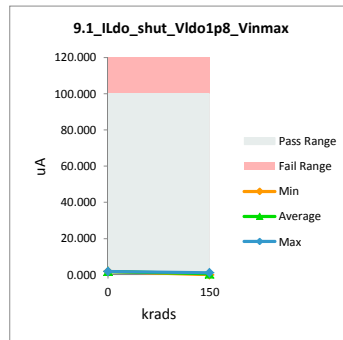


TID 150k HDR Rebound Report
TPS7H3301-SP

9.1_ILdo_shut_Vldo1p8_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.171	1.854	0.317
150	116A_Biased	0.252	0.602	-0.350
150	117A_Biased	0.037	0.489	-0.452
150	36B_biased	0.260	0.295	-0.035
150	37B_Biased	0.443	0.615	-0.172
150	39C_Biased	0.252	0.880	-0.628
150	118A_Unbiased	0.139	0.240	-0.101
150	140A_Unbiased	2.502	0.025	2.477
150	38B_Unbiased	0.049	0.541	-0.492
150	39B_Unbiased	0.447	0.334	0.113
150	40C_Unbiased	0.599	1.141	-0.542
	Max	2.502	1.854	2.477
	Average	0.650	0.638	0.012
	Min	0.037	0.025	-0.628
	Std Dev	0.854	0.507	0.869

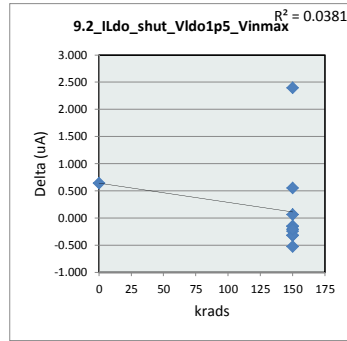


9.1_ILdo_shut_Vldo1p8_Vinmax		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	uA
Min Limit	0	uA
krads	0	150
LL	0.000	0.000
Min	1.854	0.025
Average	1.854	0.516
Max	1.854	1.141
UL	100.000	100.000

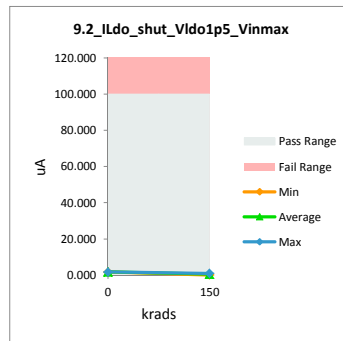


TID 150k HDR Rebound Report
TPS7H3301-SP

9.2_ILdo_shut_Vldo1p5_Vinmax				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS		
Test Number		EF636800		
Unit		uA		
Max Limit		100		
Min Limit		0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.440	1.796	0.644
150	116A_Biased	0.299	0.236	0.063
150	117A_Biased	0.634	0.080	0.554
150	36B_biased	0.119	0.267	-0.148
150	37B_Biased	0.353	0.509	-0.156
150	39C_Biased	0.649	0.892	-0.243
150	118A_Unbiased	0.310	0.626	-0.316
150	140A_Unbiased	2.486	0.092	2.394
150	38B_Unbiased	0.182	0.498	-0.316
150	39B_Unbiased	0.326	0.849	-0.523
150	40C_Unbiased	0.766	0.973	-0.207
Max		2.486	1.796	2.394
Average		0.779	0.620	0.159
Min		0.119	0.080	-0.523
Std Dev		0.857	0.500	0.825

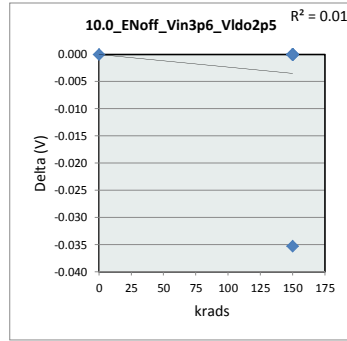


9.2_ILdo_shut_Vldo1p5_Vinm		
Test Site		Dallas, Tx
Tester		ETS
Test Number		EF636800
Max Limit		100 uA
Min Limit		0 uA
krads	0	150
LL	0.000	0.000
Min	1.796	0.080
Average	1.796	0.502
Max	1.796	0.973
UL	100.000	100.000

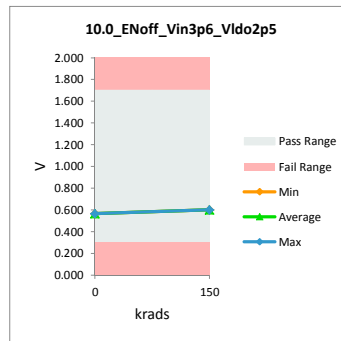


TID 150k HDR Rebound Report
TPS7H3301-SP

10.0_ENoff_Vin3p6_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.7	1.7	
Min Limit		0.3	0.3	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.566	0.566	0.000
150	116A_Biased	0.601	0.601	0.000
150	117A_Biased	0.601	0.601	0.000
150	36B_biased	0.601	0.601	0.000
150	37B_Biased	0.601	0.601	0.000
150	39C_Biased	0.601	0.601	0.000
150	118A_Unbiased	0.601	0.601	0.000
150	140A_Unbiased	0.566	0.601	-0.035
150	38B_Unbiased	0.601	0.601	0.000
150	39B_Unbiased	0.601	0.601	0.000
150	40C_Unbiased	0.601	0.601	0.000
	Max	0.601	0.601	0.000
	Average	0.595	0.598	-0.003
	Min	0.566	0.566	-0.035
	Std Dev	0.014	0.011	0.011

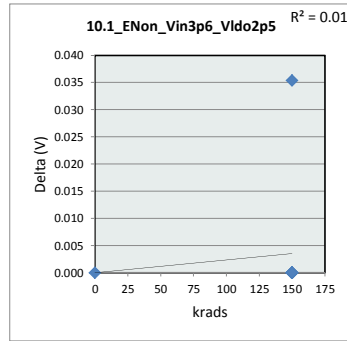


10.0_ENoff_Vin3p6_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.7	V
Min Limit	0.3	V
krads	0	150
LL	0.300	0.300
Min	0.566	0.601
Average	0.566	0.601
Max	0.566	0.601
UL	1.700	1.700

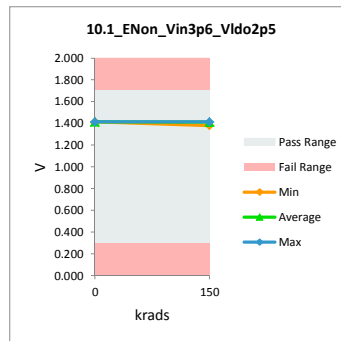


TID 150k HDR Rebound Report
TPS7H3301-SP

10.1_ENon_Vin3p6_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.7	1.7	
Min Limit		0.3	0.3	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.414	1.414	0.000
150	116A_Biased	1.414	1.414	0.000
150	117A_Biased	1.414	1.414	0.000
150	36B_biased	1.414	1.414	0.000
150	37B_Biased	1.414	1.414	0.000
150	39C_Biased	1.449	1.414	0.035
150	118A_Unbiased	1.379	1.379	0.000
150	140A_Unbiased	1.414	1.414	0.000
150	38B_Unbiased	1.414	1.414	0.000
150	39B_Unbiased	1.414	1.414	0.000
150	40C_Unbiased	1.414	1.414	0.000
	Max	1.449	1.414	0.035
	Average	1.414	1.411	0.003
	Min	1.379	1.379	0.000
	Std Dev	0.016	0.011	0.011

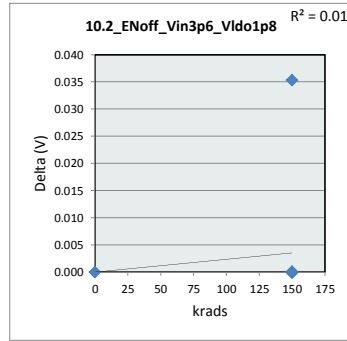


10.1_ENon_Vin3p6_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.7	V
Min Limit	0.3	V
krads	0	150
LL	0.300	0.300
Min	1.414	1.379
Average	1.414	1.411
Max	1.414	1.414
UL	1.700	1.700

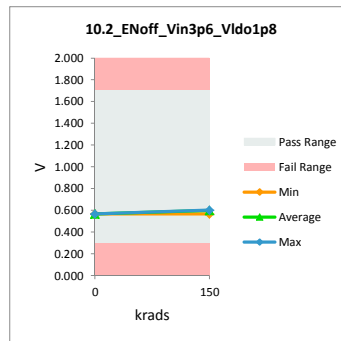


TID 150k HDR Rebound Report
TPS7H3301-SP

10.2_ENoff_Vin3p6_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.7	1.7	
Min Limit		0.3	0.3	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.566	0.566	0.000
150	116A_Biased	0.601	0.601	0.000
150	117A_Biased	0.601	0.601	0.000
150	36B_biased	0.601	0.601	0.000
150	37B_Biased	0.601	0.601	0.000
150	39C_Biased	0.601	0.601	0.000
150	118A_Unbiased	0.601	0.566	0.035
150	140A_Unbiased	0.601	0.601	0.000
150	38B_Unbiased	0.601	0.601	0.000
150	39B_Unbiased	0.601	0.601	0.000
150	40C_Unbiased	0.601	0.601	0.000
	Max	0.601	0.601	0.035
	Average	0.598	0.595	0.003
	Min	0.566	0.566	0.000
	Std Dev	0.011	0.014	0.011

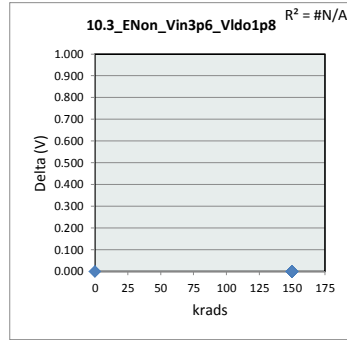


10.2_ENoff_Vin3p6_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.7	V
Min Limit	0.3	V
krads	0	150
LL	0.300	0.300
Min	0.566	0.566
Average	0.566	0.597
Max	0.566	0.601
UL	1.700	1.700

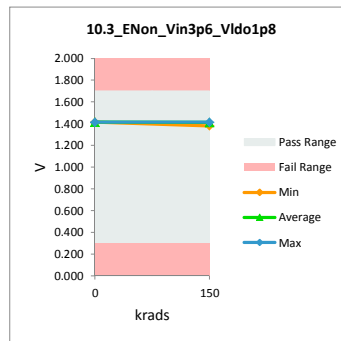


TID 150k HDR Rebound Report
TPS7H3301-SP

10.3_ENon_Vin3p6_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.7	1.7	
Min Limit		0.3	0.3	
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.414	1.414	0.000
150	116A_Biased	1.414	1.414	0.000
150	117A_Biased	1.414	1.414	0.000
150	36B_biased	1.414	1.414	0.000
150	37B_Biased	1.414	1.414	0.000
150	39C_Biased	1.414	1.414	0.000
150	118A_Unbiased	1.379	1.379	0.000
150	140A_Unbiased	1.414	1.414	0.000
150	38B_Unbiased	1.414	1.414	0.000
150	39B_Unbiased	1.414	1.414	0.000
150	40C_Unbiased	1.414	1.414	0.000
	Max	1.414	1.414	0.000
	Average	1.411	1.411	0.000
	Min	1.379	1.379	0.000
	Std Dev	0.011	0.011	0.000

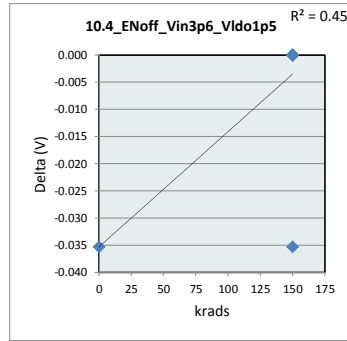


10.3_ENon_Vin3p6_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.7	V
Min Limit	0.3	V
krads	0	150
LL	0.300	0.300
Min	1.414	1.379
Average	1.414	1.411
Max	1.414	1.414
UL	1.700	1.700

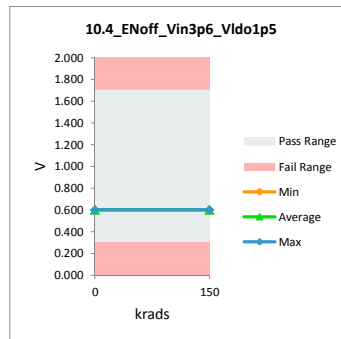


TID 150k HDR Rebound Report
TPS7H3301-SP

10.4_ENoff_Vin3p6_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.7	1.7	
Min Limit		0.3	0.3	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.566	0.601	-0.035
150	116A_Biased	0.601	0.601	0.000
150	117A_Biased	0.601	0.601	0.000
150	36B_biased	0.601	0.601	0.000
150	37B_Biased	0.601	0.601	0.000
150	39C_Biased	0.601	0.601	0.000
150	118A_Unbiased	0.566	0.601	-0.035
150	140A_Unbiased	0.601	0.601	0.000
150	38B_Unbiased	0.601	0.601	0.000
150	39B_Unbiased	0.601	0.601	0.000
150	40C_Unbiased	0.601	0.601	0.000
	Max	0.601	0.601	0.000
	Average	0.595	0.601	-0.006
	Min	0.566	0.601	-0.035
	Std Dev	0.014	0.000	0.014

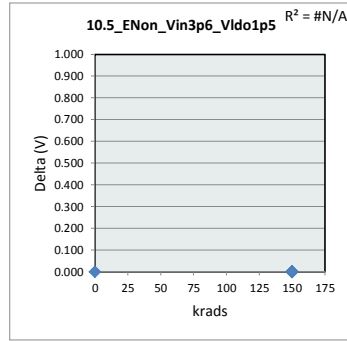


10.4_ENoff_Vin3p6_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.7	V
Min Limit	0.3	V
krads	0	150
LL	0.300	0.300
Min	0.601	0.601
Average	0.601	0.601
Max	0.601	0.601
UL	1.700	1.700

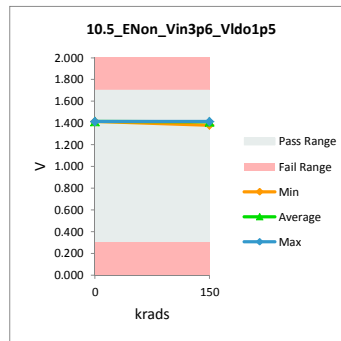


TID 150k HDR Rebound Report
TPS7H3301-SP

10.5_ENon_Vin3p6_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.7	1.7	
Min Limit		0.3	0.3	
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.414	1.414	0.000
150	116A_Biased	1.414	1.414	0.000
150	117A_Biased	1.414	1.414	0.000
150	36B_biased	1.414	1.414	0.000
150	37B_Biased	1.414	1.414	0.000
150	39C_Biased	1.414	1.414	0.000
150	118A_Unbiased	1.379	1.379	0.000
150	140A_Unbiased	1.414	1.414	0.000
150	38B_Unbiased	1.414	1.414	0.000
150	39B_Unbiased	1.414	1.414	0.000
150	40C_Unbiased	1.414	1.414	0.000
	Max	1.414	1.414	0.000
	Average	1.411	1.411	0.000
	Min	1.379	1.379	0.000
	Std Dev	0.011	0.011	0.000

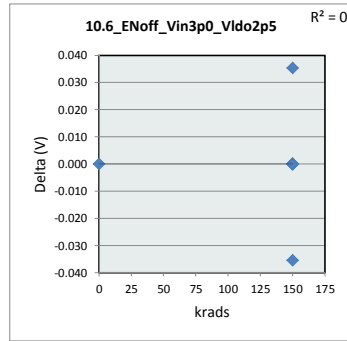


10.5_ENon_Vin3p6_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.7	V
Min Limit	0.3	V
krads	0	150
LL	0.300	0.300
Min	1.414	1.379
Average	1.414	1.411
Max	1.414	1.414
UL	1.700	1.700

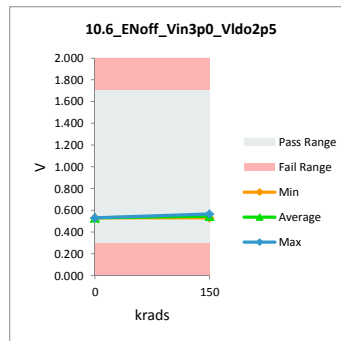


TID 150k HDR Rebound Report
TPS7H3301-SP

10.6_ENoff_Vin3p0_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.7	1.7	
Min Limit		0.3	0.3	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.530	0.530	0.000
150	116A_Biased	0.566	0.566	0.000
150	117A_Biased	0.530	0.530	0.000
150	36B_biased	0.530	0.530	0.000
150	37B_Biased	0.566	0.530	0.035
150	39C_Biased	0.530	0.566	-0.035
150	118A_Unbiased	0.530	0.530	0.000
150	140A_Unbiased	0.530	0.530	0.000
150	38B_Unbiased	0.566	0.566	0.000
150	39B_Unbiased	0.566	0.566	0.000
150	40C_Unbiased	0.530	0.530	0.000
	Max	0.566	0.566	0.035
	Average	0.543	0.543	0.000
	Min	0.530	0.530	-0.035
	Std Dev	0.018	0.018	0.016

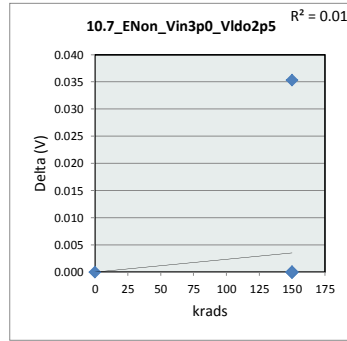


10.6_ENoff_Vin3p0_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.7	V
Min Limit	0.3	V
krads	0	150
LL	0.300	0.300
Min	0.530	0.530
Average	0.530	0.544
Max	0.530	0.566
UL	1.700	1.700

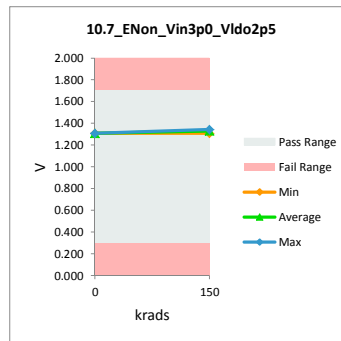


TID 150k HDR Rebound Report
TPS7H3301-SP

10.7_ENon_Vin3p0_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.7	1.7	
Min Limit		0.3	0.3	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.308	1.308	0.000
150	116A_Biased	1.343	1.343	0.000
150	117A_Biased	1.343	1.343	0.000
150	36B_biased	1.308	1.308	0.000
150	37B_Biased	1.343	1.308	0.035
150	39C_Biased	1.343	1.343	0.000
150	118A_Unbiased	1.308	1.308	0.000
150	140A_Unbiased	1.308	1.308	0.000
150	38B_Unbiased	1.343	1.343	0.000
150	39B_Unbiased	1.343	1.343	0.000
150	40C_Unbiased	1.343	1.343	0.000
	Max	1.343	1.343	0.035
	Average	1.331	1.327	0.003
	Min	1.308	1.308	0.000
	Std Dev	0.018	0.018	0.011

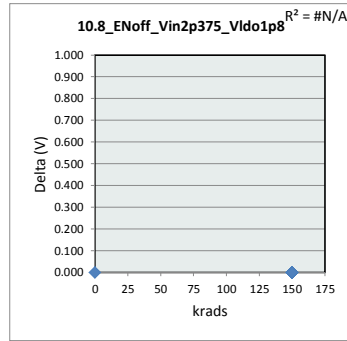


10.7_ENon_Vin3p0_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.7	V
Min Limit	0.3	V
krads	0	150
LL	0.300	0.300
Min	1.308	1.308
Average	1.308	1.329
Max	1.308	1.343
UL	1.700	1.700

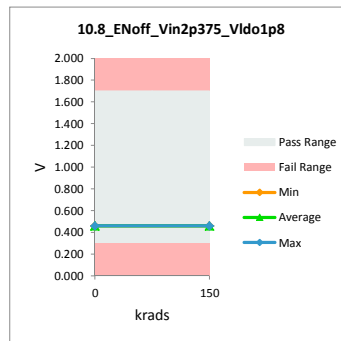


TID 150k HDR Rebound Report
TPS7H3301-SP

		10.8_ENoff_Vin2p375_Vldo1p8		
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.7	1.7	
Min Limit		0.3	0.3	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.460	0.460	0.000
150	116A_Biased	0.460	0.460	0.000
150	117A_Biased	0.460	0.460	0.000
150	36B_biased	0.460	0.460	0.000
150	37B_Biased	0.460	0.460	0.000
150	39C_Biased	0.460	0.460	0.000
150	118A_Unbiased	0.460	0.460	0.000
150	140A_Unbiased	0.460	0.460	0.000
150	38B_Unbiased	0.460	0.460	0.000
150	39B_Unbiased	0.460	0.460	0.000
150	40C_Unbiased	0.460	0.460	0.000
	Max	0.460	0.460	0.000
	Average	0.460	0.460	0.000
	Min	0.460	0.460	0.000
	Std Dev	0.000	0.000	0.000

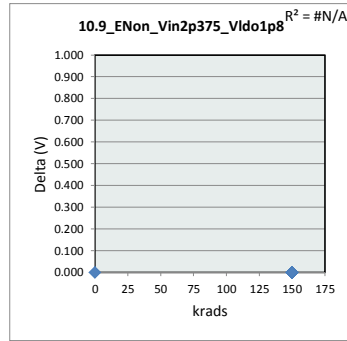


		10.8_ENoff_Vin2p375_Vldo1p8	
Test Site		Dallas, Tx	
Tester		ETS	
Test Number		EF636800	
Max Limit		1.7	V
Min Limit		0.3	V
krads		0	150
LL		0.300	0.300
Min		0.460	0.460
Average		0.460	0.460
Max		0.460	0.460
UL		1.700	1.700

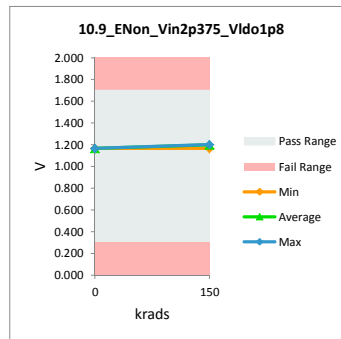


TID 150k HDR Rebound Report
TPS7H3301-SP

10.9_ENon_Vin2p375_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.7	1.7	
Min Limit		0.3	0.3	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.167	1.167	0.000
150	116A_Biased	1.202	1.202	0.000
150	117A_Biased	1.202	1.202	0.000
150	36B_biased	1.202	1.202	0.000
150	37B_Biased	1.202	1.202	0.000
150	39C_Biased	1.202	1.202	0.000
150	118A_Unbiased	1.167	1.167	0.000
150	140A_Unbiased	1.202	1.202	0.000
150	38B_Unbiased	1.202	1.202	0.000
150	39B_Unbiased	1.202	1.202	0.000
150	40C_Unbiased	1.202	1.202	0.000
	Max	1.202	1.202	0.000
	Average	1.196	1.196	0.000
	Min	1.167	1.167	0.000
	Std Dev	0.014	0.014	0.000

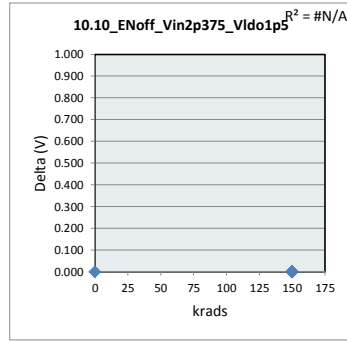


10.9_ENon_Vin2p375_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.7	V
Min Limit	0.3	V
krads	0	150
LL	0.300	0.300
Min	1.167	1.167
Average	1.167	1.198
Max	1.167	1.202
UL	1.700	1.700

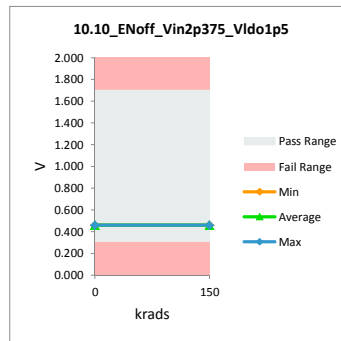


TID 150k HDR Rebound Report
TPS7H3301-SP

10.10_ENoff_Vin2p375_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.7	1.7	
Min Limit		0.3	0.3	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.460	0.460	0.000
150	116A_Biased	0.460	0.460	0.000
150	117A_Biased	0.460	0.460	0.000
150	36B_biased	0.460	0.460	0.000
150	37B_Biased	0.460	0.460	0.000
150	39C_Biased	0.460	0.460	0.000
150	118A_Unbiased	0.460	0.460	0.000
150	140A_Unbiased	0.460	0.460	0.000
150	38B_Unbiased	0.460	0.460	0.000
150	39B_Unbiased	0.460	0.460	0.000
150	40C_Unbiased	0.460	0.460	0.000
	Max	0.460	0.460	0.000
	Average	0.460	0.460	0.000
	Min	0.460	0.460	0.000
	Std Dev	0.000	0.000	0.000

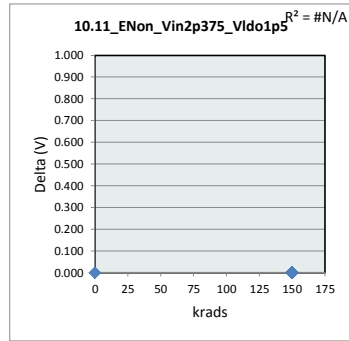


10.10_ENoff_Vin2p375_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.7	V
Min Limit	0.3	V
krads	0	150
LL	0.300	0.300
Min	0.460	0.460
Average	0.460	0.460
Max	0.460	0.460
UL	1.700	1.700

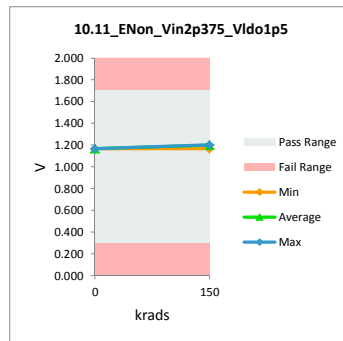


TID 150k HDR Rebound Report
TPS7H3301-SP

10.11_ENon_Vin2p375_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.167	1.167	0.000
150	116A_Biased	1.202	1.202	0.000
150	117A_Biased	1.202	1.202	0.000
150	36B_biased	1.202	1.202	0.000
150	37B_Biased	1.202	1.202	0.000
150	39C_Biased	1.202	1.202	0.000
150	118A_Unbiased	1.167	1.167	0.000
150	140A_Unbiased	1.202	1.202	0.000
150	38B_Unbiased	1.202	1.202	0.000
150	39B_Unbiased	1.202	1.202	0.000
150	40C_Unbiased	1.202	1.202	0.000
	Max	1.202	1.202	0.000
	Average	1.196	1.196	0.000
	Min	1.167	1.167	0.000
	Std Dev	0.014	0.014	0.000

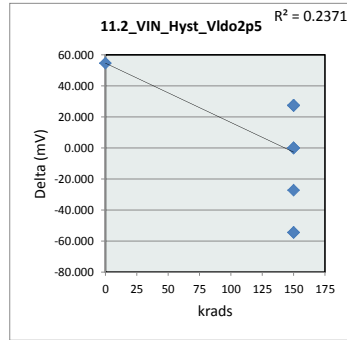


10.11_ENon_Vin2p375_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.7	V
Min Limit	0.3	V
krads	0	150
LL	0.300	0.300
Min	1.167	1.167
Average	1.167	1.198
Max	1.167	1.202
UL	1.700	1.700

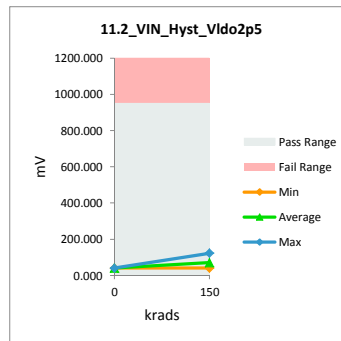


TID 150k HDR Rebound Report
TPS7H3301-SP

11.2_VIN_Hyst_Vldo2p5				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	95.454	40.909	54.545
150	116A_Biased	68.182	40.909	27.273
150	117A_Biased	68.182	40.909	27.273
150	36B_biased	68.182	40.909	27.273
150	37B_Biased	68.182	40.909	27.273
150	39C_Biased	95.454	95.455	-0.001
150	118A_Unbiased	68.182	95.455	-27.273
150	140A_Unbiased	40.909	95.455	-54.546
150	38B_Unbiased	68.182	122.727	-54.545
150	39B_Unbiased	68.182	68.182	0.000
150	40C_Unbiased	68.182	68.182	0.000
Max		95.454	122.727	54.545
Average		70.661	68.182	2.479
Min		40.909	40.909	-54.546
Std Dev		14.710	29.876	35.464

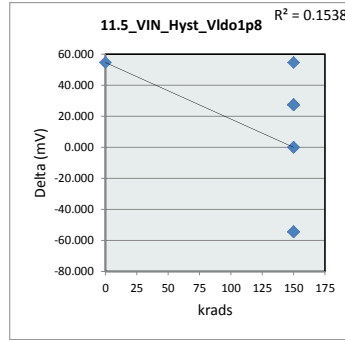


11.2_VIN_Hyst_Vldo2p5		
krads	0	150
LL	0.000	0.000
Min	40.909	40.909
Average	40.909	70.909
Max	40.909	122.727
UL	950.000	950.000

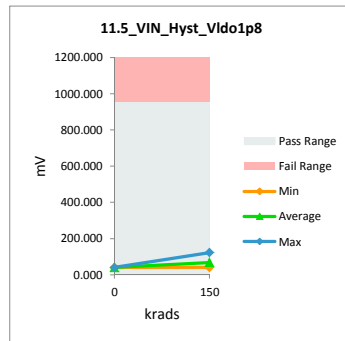


TID 150k HDR Rebound Report
TPS7H3301-SP

11.5_VIN_Hyst_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		950	950	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	95.454	40.909	54.545
150	116A_Biased	68.182	40.909	27.273
150	117A_Biased	68.182	40.909	27.273
150	36B_biased	68.182	40.909	27.273
150	37B_Biased	68.182	40.909	27.273
150	39C_Biased	95.454	40.909	54.545
150	118A_Unbiased	68.182	122.727	-54.545
150	140A_Unbiased	40.909	95.455	-54.546
150	38B_Unbiased	68.182	122.727	-54.545
150	39B_Unbiased	68.182	68.182	0.000
150	40C_Unbiased	68.182	68.182	0.000
	Max	95.454	122.727	54.545
	Average	70.661	65.702	4.959
	Min	40.909	40.909	-54.546
	Std Dev	14.710	33.301	41.929

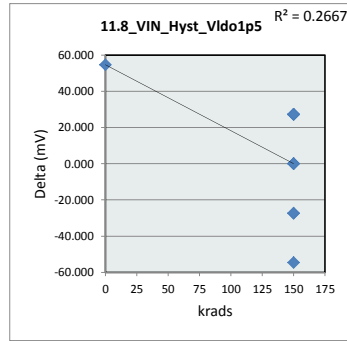


11.5_VIN_Hyst_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	950	mV
Min Limit	0	mV
	krads	0 150
LL	0.000	0.000
Min	40.909	40.909
Average	40.909	68.182
Max	40.909	122.727
UL	950.000	950.000

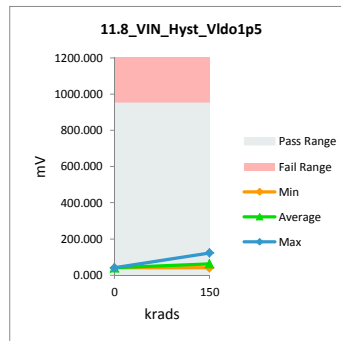


TID 150k HDR Rebound Report
TPS7H3301-SP

11.8_VIN_Hyst_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		950	950	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	95.454	40.909	54.545
150	116A_Biased	68.182	40.909	27.273
150	117A_Biased	68.182	40.909	27.273
150	36B_biased	68.182	40.909	27.273
150	37B_Biased	68.182	40.909	27.273
150	39C_Biased	40.909	40.909	0.000
150	118A_Unbiased	68.182	95.455	-27.273
150	140A_Unbiased	40.909	40.909	0.000
150	38B_Unbiased	68.182	122.727	-54.545
150	39B_Unbiased	68.182	68.182	0.000
150	40C_Unbiased	68.182	95.455	-27.273
	Max	95.454	122.727	54.545
	Average	65.703	60.744	4.959
	Min	40.909	40.909	-54.545
	Std Dev	14.710	30.101	31.848

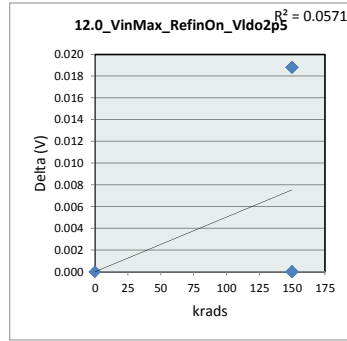


11.8_VIN_Hyst_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	950	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	40.909	40.909
Average	40.909	62.727
Max	40.909	122.727
UL	950.000	950.000

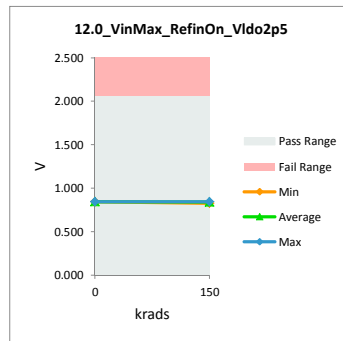


TID 150k HDR Rebound Report
TPS7H3301-SP

12.0_VinMax_RefinOn_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		2.05	2.05	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.846	0.846	0.000
150	116A_Biased	0.846	0.846	0.000
150	117A_Biased	0.846	0.846	0.000
150	36B_biased	0.846	0.846	0.000
150	37B_Biased	0.864	0.846	0.019
150	39C_Biased	0.846	0.827	0.019
150	118A_Unbiased	0.846	0.846	0.000
150	140A_Unbiased	0.846	0.827	0.019
150	38B_Unbiased	0.846	0.846	0.000
150	39B_Unbiased	0.864	0.846	0.019
150	40C_Unbiased	0.846	0.846	0.000
Max		0.864	0.846	0.019
Average		0.849	0.842	0.007
Min		0.846	0.827	0.000
Std Dev		0.008	0.008	0.009

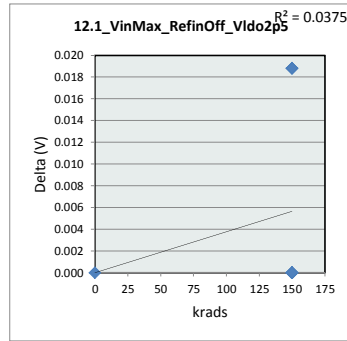


12.0_VinMax_RefinOn_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	2.05	V
Min Limit	0	V
krads	0	150
LL	0.000	0.000
Min	0.846	0.827
Average	0.846	0.842
Max	0.846	0.846
UL	2.050	2.050

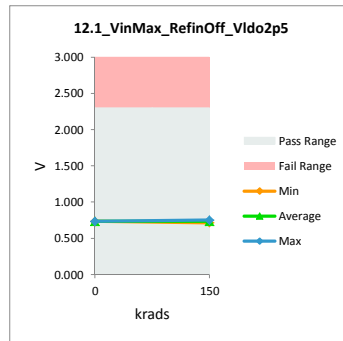


TID 150k HDR Rebound Report
TPS7H3301-SP

12.1_VinMax_RefinOff_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		2.3	2.3	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.733	0.733	0.000
150	116A_Biased	0.733	0.733	0.000
150	117A_Biased	0.752	0.733	0.019
150	36B_biased	0.752	0.752	0.000
150	37B_Biased	0.752	0.752	0.000
150	39C_Biased	0.733	0.714	0.019
150	118A_Unbiased	0.733	0.733	0.000
150	140A_Unbiased	0.733	0.714	0.019
150	38B_Unbiased	0.733	0.733	0.000
150	39B_Unbiased	0.733	0.733	0.000
150	40C_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.738	0.733	0.005
	Min	0.733	0.714	0.000
	Std Dev	0.009	0.012	0.009

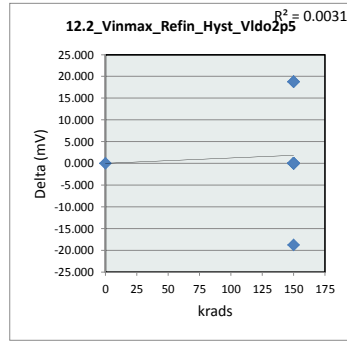


12.1_VinMax_RefinOff_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	2.3	V
Min Limit	0	V
krads	0	150
LL	0.000	0.000
Min	0.733	0.714
Average	0.733	0.733
Max	0.733	0.752
UL	2.300	2.300

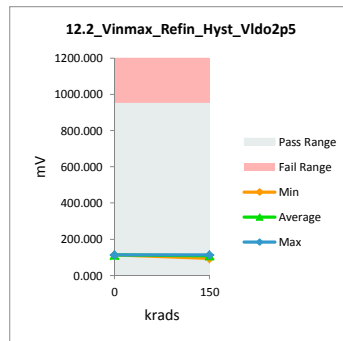


TID 150k HDR Rebound Report
TPS7H3301-SP

12.2_Vinmax_Refin_Hyst_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	112.752	112.752	0.000
150	116A_Biased	112.752	112.752	0.000
150	117A_Biased	93.960	112.752	-18.792
150	36B_biased	93.960	93.960	0.000
150	37B_Biased	112.752	93.960	18.792
150	39C_Biased	112.752	112.752	0.000
150	118A_Unbiased	112.752	112.752	0.000
150	140A_Unbiased	112.752	112.752	0.000
150	38B_Unbiased	112.752	112.752	0.000
150	39B_Unbiased	131.544	112.752	18.792
150	40C_Unbiased	112.752	112.752	0.000
	Max	131.544	112.752	18.792
	Average	111.044	109.335	1.708
	Min	93.960	93.960	-18.792
	Std Dev	10.136	7.602	10.136

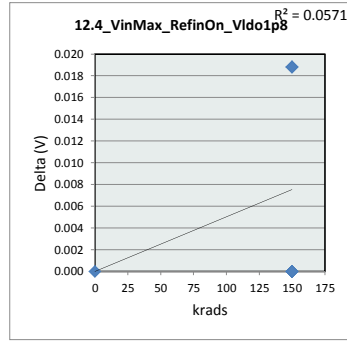


12.2_Vinmax_Refin_Hyst_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	950	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	112.752	93.960
Average	112.752	108.994
Max	112.752	112.752
UL	950.000	950.000

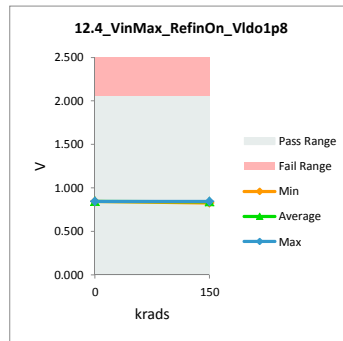


TID 150k HDR Rebound Report
TPS7H3301-SP

12.4_VinMax_RefinOn_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		2.05	2.05	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.846	0.846	0.000
150	116A_Biased	0.846	0.846	0.000
150	117A_Biased	0.846	0.846	0.000
150	36B_biased	0.846	0.846	0.000
150	37B_Biased	0.864	0.846	0.019
150	39C_Biased	0.846	0.827	0.019
150	118A_Unbiased	0.846	0.846	0.000
150	140A_Unbiased	0.846	0.827	0.019
150	38B_Unbiased	0.846	0.846	0.000
150	39B_Unbiased	0.864	0.846	0.019
150	40C_Unbiased	0.846	0.846	0.000
	Max	0.864	0.846	0.019
	Average	0.849	0.842	0.007
	Min	0.846	0.827	0.000
	Std Dev	0.008	0.008	0.009

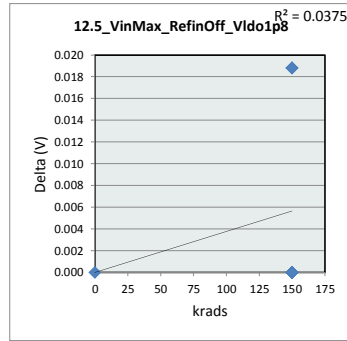


12.4_VinMax_RefinOn_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	2.05	V
Min Limit	0	V
krads	0	150
LL	0.000	0.000
Min	0.846	0.827
Average	0.846	0.842
Max	0.846	0.846
UL	2.050	2.050

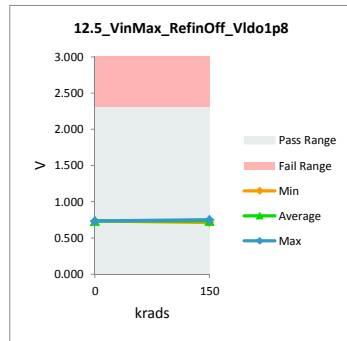


TID 150k HDR Rebound Report
TPS7H3301-SP

12.5_VinMax_RefinOff_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		2.3	2.3	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.733	0.733	0.000
150	116A_Biased	0.733	0.733	0.000
150	117A_Biased	0.752	0.733	0.019
150	36B_biased	0.752	0.752	0.000
150	37B_Biased	0.752	0.752	0.000
150	39C_Biased	0.733	0.714	0.019
150	118A_Unbiased	0.733	0.733	0.000
150	140A_Unbiased	0.733	0.714	0.019
150	38B_Unbiased	0.733	0.733	0.000
150	39B_Unbiased	0.733	0.733	0.000
150	40C_Unbiased	0.733	0.733	0.000
Max		0.752	0.752	0.019
Average		0.738	0.733	0.005
Min		0.733	0.714	0.000
Std Dev		0.009	0.012	0.009

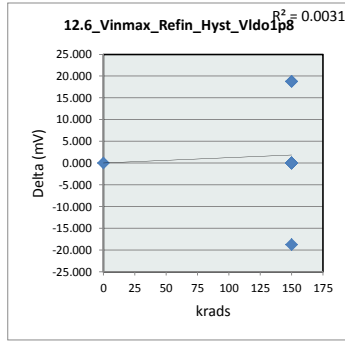


12.5_VinMax_RefinOff_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	2.3	V
Min Limit	0	V
krads	0	150
LL	0.000	0.000
Min	0.733	0.714
Average	0.733	0.733
Max	0.733	0.752
UL	2.300	2.300

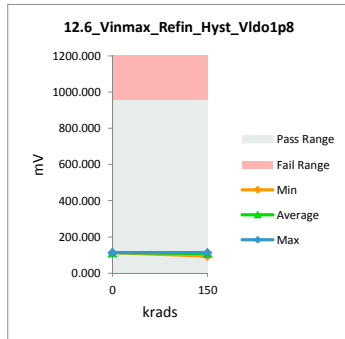


TID 150k HDR Rebound Report
TPS7H3301-SP

12.6_Vinmax_Refin_Hyst_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	112.752	112.752	0.000
150	116A_Biased	112.752	112.752	0.000
150	117A_Biased	93.960	112.752	-18.792
150	36B_biased	93.960	93.960	0.000
150	37B_Biased	112.752	93.960	18.792
150	39C_Biased	112.752	112.752	0.000
150	118A_Unbiased	112.752	112.752	0.000
150	140A_Unbiased	112.752	112.752	0.000
150	38B_Unbiased	112.752	112.752	0.000
150	39B_Unbiased	131.544	112.752	18.792
150	40C_Unbiased	112.752	112.752	0.000
	Max	131.544	112.752	18.792
	Average	111.044	109.335	1.708
	Min	93.960	93.960	-18.792
	Std Dev	10.136	7.602	10.136

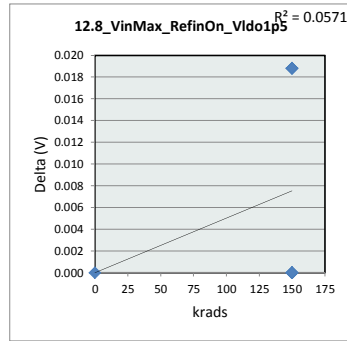


12.6_Vinmax_Refin_Hyst_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	950	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	112.752	93.960
Average	112.752	108.994
Max	112.752	112.752
UL	950.000	950.000

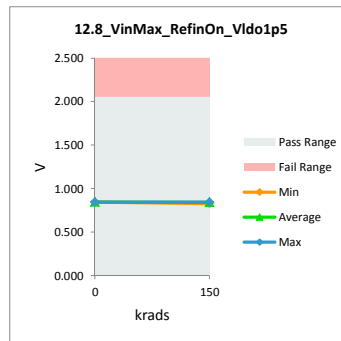


TID 150k HDR Rebound Report
TPS7H3301-SP

12.8_VinMax_RefinOn_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		2.05	2.05	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.846	0.846	0.000
150	116A_Biased	0.846	0.846	0.000
150	117A_Biased	0.846	0.846	0.000
150	36B_biased	0.846	0.846	0.000
150	37B_Biased	0.864	0.846	0.019
150	39C_Biased	0.846	0.827	0.019
150	118A_Unbiased	0.846	0.846	0.000
150	140A_Unbiased	0.846	0.827	0.019
150	38B_Unbiased	0.846	0.846	0.000
150	39B_Unbiased	0.864	0.846	0.019
150	40C_Unbiased	0.846	0.846	0.000
Max		0.864	0.846	0.019
Average		0.849	0.842	0.007
Min		0.846	0.827	0.000
Std Dev		0.008	0.008	0.009

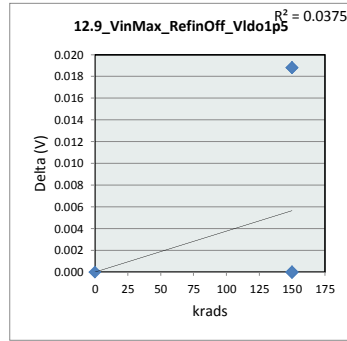


12.8_VinMax_RefinOn_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	2.05	V
Min Limit	0	V
krads	0	150
LL	0.000	0.000
Min	0.846	0.827
Average	0.846	0.842
Max	0.846	0.846
UL	2.050	2.050

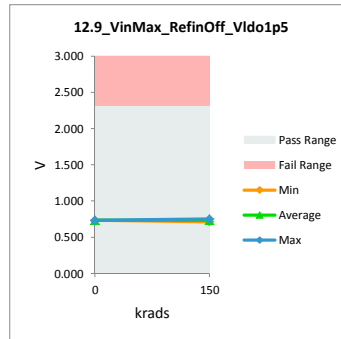


TID 150k HDR Rebound Report
TPS7H3301-SP

12.9_VinMax_RefinOff_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		2.3	2.3	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.733	0.733	0.000
150	116A_Biased	0.733	0.733	0.000
150	117A_Biased	0.752	0.733	0.019
150	36B_biased	0.752	0.752	0.000
150	37B_Biased	0.752	0.752	0.000
150	39C_Biased	0.733	0.714	0.019
150	118A_Unbiased	0.733	0.733	0.000
150	140A_Unbiased	0.733	0.714	0.019
150	38B_Unbiased	0.733	0.733	0.000
150	39B_Unbiased	0.733	0.733	0.000
150	40C_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.738	0.733	0.005
	Min	0.733	0.714	0.000
	Std Dev	0.009	0.012	0.009

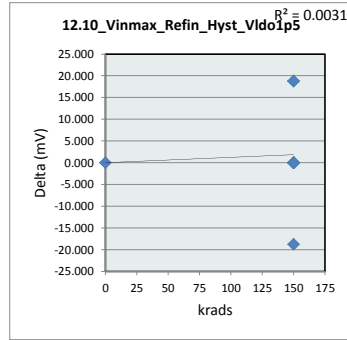


12.9_VinMax_RefinOff_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	2.3	V
Min Limit	0	V
krads	0	150
LL	0.000	0.000
Min	0.733	0.714
Average	0.733	0.733
Max	0.733	0.752
UL	2.300	2.300

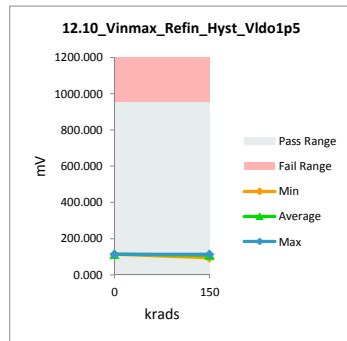


TID 150k HDR Rebound Report
TPS7H3301-SP

12.10_Vinmax_Refin_Hyst_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	112.752	112.752	0.000
150	116A_Biased	112.752	112.752	0.000
150	117A_Biased	93.960	112.752	-18.792
150	36B_biased	93.960	93.960	0.000
150	37B_Biased	112.752	93.960	18.792
150	39C_Biased	112.752	112.752	0.000
150	118A_Unbiased	112.752	112.752	0.000
150	140A_Unbiased	112.752	112.752	0.000
150	38B_Unbiased	112.752	112.752	0.000
150	39B_Unbiased	131.544	112.752	18.792
150	40C_Unbiased	112.752	112.752	0.000
	Max	131.544	112.752	18.792
	Average	111.044	109.335	1.708
	Min	93.960	93.960	-18.792
	Std Dev	10.136	7.602	10.136

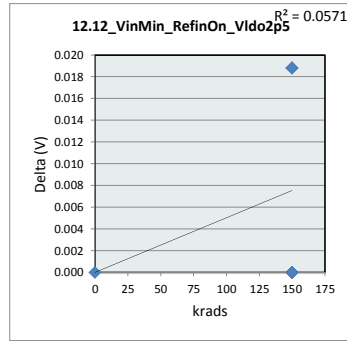


12.10_Vinmax_Refin_Hyst_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	950	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	112.752	93.960
Average	112.752	108.994
Max	112.752	112.752
UL	950.000	950.000

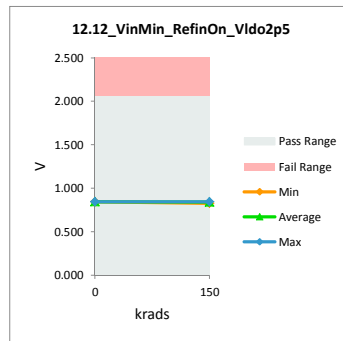


TID 150k HDR Rebound Report
TPS7H3301-SP

12.12_VinMin_RefinOn_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		2.05	2.05	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.846	0.846	0.000
150	116A_Biased	0.846	0.846	0.000
150	117A_Biased	0.846	0.846	0.000
150	36B_biased	0.846	0.846	0.000
150	37B_Biased	0.864	0.846	0.019
150	39C_Biased	0.846	0.827	0.019
150	118A_Unbiased	0.846	0.846	0.000
150	140A_Unbiased	0.846	0.827	0.019
150	38B_Unbiased	0.846	0.846	0.000
150	39B_Unbiased	0.864	0.846	0.019
150	40C_Unbiased	0.846	0.846	0.000
	Max	0.864	0.846	0.019
	Average	0.849	0.842	0.007
	Min	0.846	0.827	0.000
	Std Dev	0.008	0.008	0.009

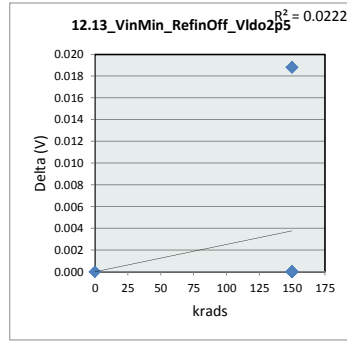


12.12_VinMin_RefinOn_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	2.05	V
Min Limit	0	V
krads	0	150
LL	0.000	0.000
Min	0.846	0.827
Average	0.846	0.842
Max	0.846	0.846
UL	2.050	2.050

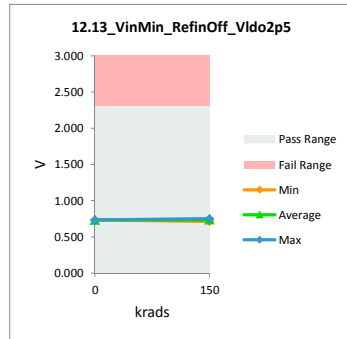


TID 150k HDR Rebound Report
TPS7H3301-SP

12.13_VinMin_RefinOff_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		2.3	2.3	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.733	0.733	0.000
150	116A_Biased	0.733	0.733	0.000
150	117A_Biased	0.752	0.733	0.019
150	36B_biased	0.752	0.752	0.000
150	37B_Biased	0.752	0.752	0.000
150	39C_Biased	0.733	0.714	0.019
150	118A_Unbiased	0.733	0.733	0.000
150	140A_Unbiased	0.733	0.733	0.000
150	38B_Unbiased	0.733	0.733	0.000
150	39B_Unbiased	0.733	0.733	0.000
150	40C_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.738	0.735	0.003
	Min	0.733	0.714	0.000
	Std Dev	0.009	0.010	0.008

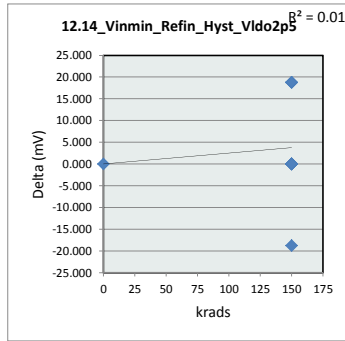


12.13_VinMin_RefinOff_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	2.3	V
Min Limit	0	V
krads	0	150
LL	0.000	0.000
Min	0.733	0.714
Average	0.733	0.735
Max	0.733	0.752
UL	2.300	2.300

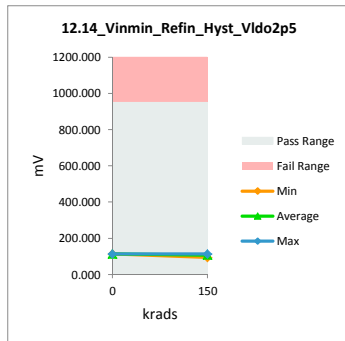


TID 150k HDR Rebound Report
TPS7H3301-SP

12.14_Vinmin_Refin_Hyst_Vldo2p5				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	112.752	112.752	0.000
150	116A_Biased	112.752	112.752	0.000
150	117A_Biased	93.960	112.752	-18.792
150	36B_biased	93.960	93.960	0.000
150	37B_Biased	112.752	93.960	18.792
150	39C_Biased	112.752	112.752	0.000
150	118A_Unbiased	112.752	112.752	0.000
150	140A_Unbiased	112.752	93.960	18.792
150	38B_Unbiased	112.752	112.752	0.000
150	39B_Unbiased	131.544	112.752	18.792
150	40C_Unbiased	112.752	112.752	0.000
Max		131.544	112.752	18.792
Average		111.044	107.627	3.417
Min		93.960	93.960	-18.792
Std Dev		10.136	8.778	11.332

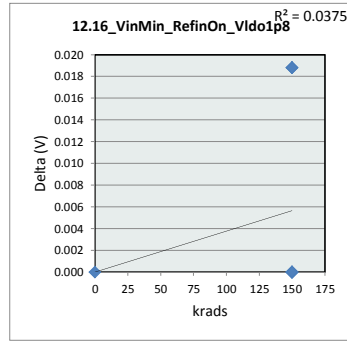


12.14_Vinmin_Refin_Hyst_Vldo2p5		
krads	0	150
LL	0.000	0.000
Min	112.752	93.960
Average	112.752	107.114
Max	112.752	112.752
UL	950.000	950.000

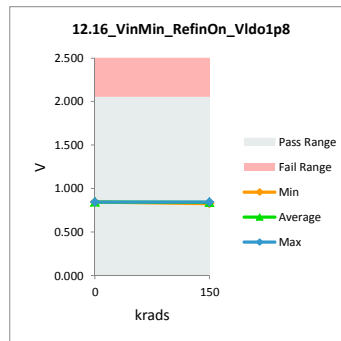


TID 150k HDR Rebound Report
TPS7H3301-SP

12.16_VinMin_RefinOn_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		2.05	2.05	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.846	0.846	0.000
150	116A_Biased	0.846	0.846	0.000
150	117A_Biased	0.846	0.846	0.000
150	36B_biased	0.846	0.846	0.000
150	37B_Biased	0.864	0.846	0.019
150	39C_Biased	0.846	0.827	0.019
150	118A_Unbiased	0.846	0.846	0.000
150	140A_Unbiased	0.846	0.827	0.019
150	38B_Unbiased	0.846	0.846	0.000
150	39B_Unbiased	0.846	0.846	0.000
150	40C_Unbiased	0.846	0.846	0.000
	Max	0.864	0.846	0.019
	Average	0.847	0.842	0.005
	Min	0.846	0.827	0.000
	Std Dev	0.006	0.008	0.009

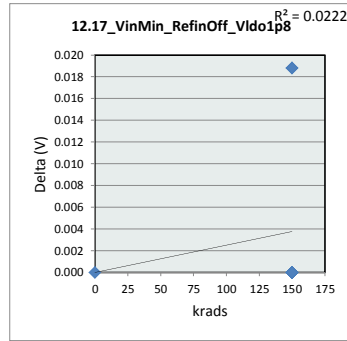


12.16_VinMin_RefinOn_Vldo1p8			
Test Site		Dallas, Tx	
Tester		ETS	
Test Number		EF636800	
Max Limit		2.05	V
Min Limit		0	V
	krads	0	150
LL		0.000	0.000
Min		0.846	0.827
Average		0.846	0.842
Max		0.846	0.846
UL		2.050	2.050

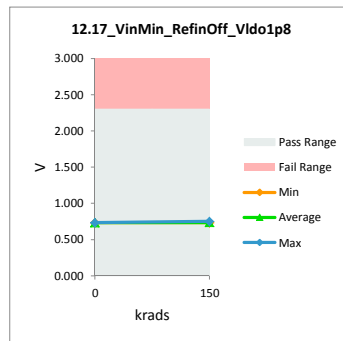


TID 150k HDR Rebound Report
TPS7H3301-SP

12.17_VinMin_RefinOff_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		2.3	2.3	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.733	0.733	0.000
150	116A_Biased	0.733	0.733	0.000
150	117A_Biased	0.752	0.733	0.019
150	36B_biased	0.752	0.752	0.000
150	37B_Biased	0.752	0.733	0.019
150	39C_Biased	0.733	0.733	0.000
150	118A_Unbiased	0.733	0.733	0.000
150	140A_Unbiased	0.733	0.733	0.000
150	38B_Unbiased	0.733	0.733	0.000
150	39B_Unbiased	0.733	0.733	0.000
150	40C_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.738	0.735	0.003
	Min	0.733	0.733	0.000
	Std Dev	0.009	0.006	0.008

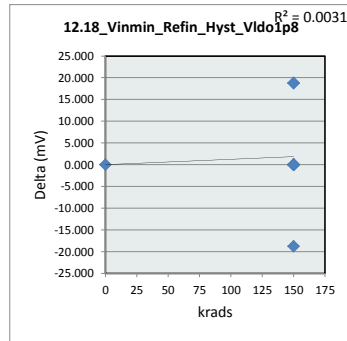


12.17_VinMin_RefinOff_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	2.3	V
Min Limit	0	V
	krads	0 150
LL	0.000	0.000
Min	0.733	0.733
Average	0.733	0.735
Max	0.733	0.752
UL	2.300	2.300

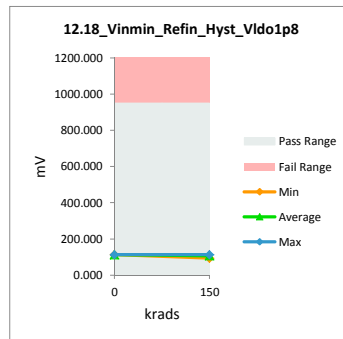


TID 150k HDR Rebound Report
TPS7H3301-SP

12.18_Vinmin_Refin_Hyst_Vldo1p8				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	112.752	112.752	0.000
150	116A_Biased	112.752	112.752	0.000
150	117A_Biased	93.960	112.752	-18.792
150	36B_biased	93.960	93.960	0.000
150	37B_Biased	112.752	112.752	0.000
150	39C_Biased	112.752	93.960	18.792
150	118A_Unbiased	112.752	112.752	0.000
150	140A_Unbiased	112.752	93.960	18.792
150	38B_Unbiased	112.752	112.752	0.000
150	39B_Unbiased	112.752	112.752	0.000
150	40C_Unbiased	112.752	112.752	0.000
Max		112.752	112.752	18.792
Average		109.335	107.627	1.708
Min		93.960	93.960	-18.792
Std Dev		7.602	8.778	10.136

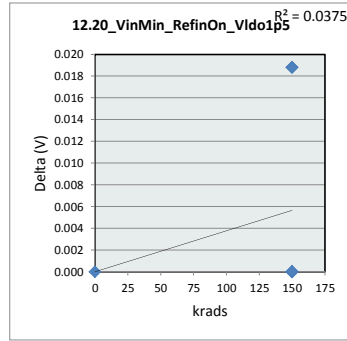


12.18_Vinmin_Refin_Hyst_Vldo1p8		
krads	0	150
LL	0.000	0.000
Min	112.752	93.960
Average	112.752	107.114
Max	112.752	112.752
UL	950.000	950.000

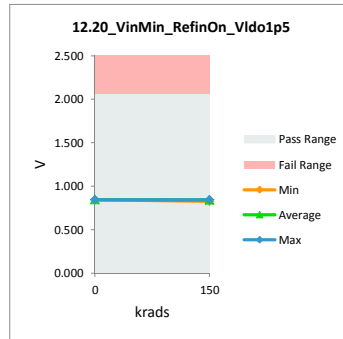


TID 150k HDR Rebound Report
TPS7H3301-SP

12.20_VinMin_RefinOn_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		2.05	2.05	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.846	0.846	0.000
150	116A_Biased	0.846	0.846	0.000
150	117A_Biased	0.846	0.846	0.000
150	36B_biased	0.846	0.846	0.000
150	37B_Biased	0.864	0.846	0.019
150	39C_Biased	0.846	0.827	0.019
150	118A_Unbiased	0.846	0.846	0.000
150	140A_Unbiased	0.846	0.827	0.019
150	38B_Unbiased	0.846	0.846	0.000
150	39B_Unbiased	0.846	0.846	0.000
150	40C_Unbiased	0.846	0.846	0.000
	Max	0.864	0.846	0.019
	Average	0.847	0.842	0.005
	Min	0.846	0.827	0.000
	Std Dev	0.006	0.008	0.009

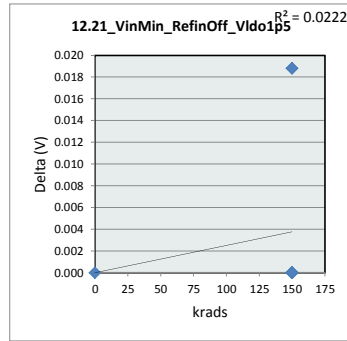


12.20_VinMin_RefinOn_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	2.05	V
Min Limit	0	V
krads	0	150
LL	0.000	0.000
Min	0.846	0.827
Average	0.846	0.842
Max	0.846	0.846
UL	2.050	2.050

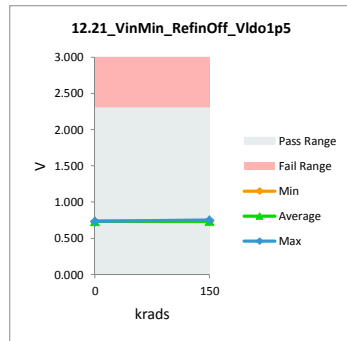


TID 150k HDR Rebound Report
TPS7H3301-SP

12.21_VinMin_RefinOff_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.3	2.3		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.733	0.733	0.000
150	116A_Biased	0.733	0.733	0.000
150	117A_Biased	0.752	0.733	0.019
150	36B_biased	0.752	0.752	0.000
150	37B_Biased	0.752	0.733	0.019
150	39C_Biased	0.733	0.733	0.000
150	118A_Unbiased	0.733	0.733	0.000
150	140A_Unbiased	0.733	0.733	0.000
150	38B_Unbiased	0.733	0.733	0.000
150	39B_Unbiased	0.733	0.733	0.000
150	40C_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.738	0.735	0.003
	Min	0.733	0.733	0.000
	Std Dev	0.009	0.006	0.008

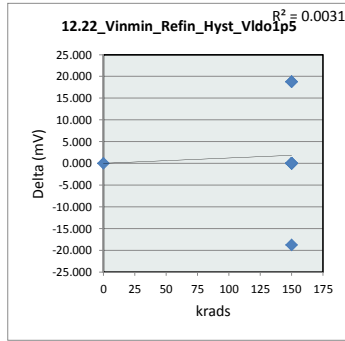


12.21_VinMin_RefinOff_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	2.3	V
Min Limit	0	V
krads	0	150
LL	0.000	0.000
Min	0.733	0.733
Average	0.733	0.735
Max	0.733	0.752
UL	2.300	2.300

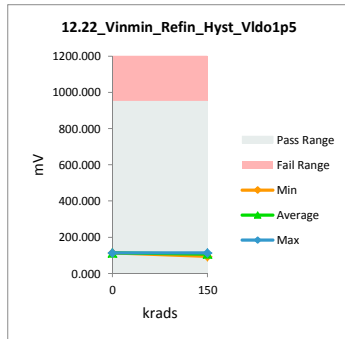


TID 150k HDR Rebound Report
TPS7H3301-SP

12.22_Vinmin_Refin_Hyst_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	112.752	112.752	0.000
150	116A_Biased	112.752	112.752	0.000
150	117A_Biased	93.960	112.752	-18.792
150	36B_biased	93.960	93.960	0.000
150	37B_Biased	112.752	112.752	0.000
150	39C_Biased	112.752	93.960	18.792
150	118A_Unbiased	112.752	112.752	0.000
150	140A_Unbiased	112.752	93.960	18.792
150	38B_Unbiased	112.752	112.752	0.000
150	39B_Unbiased	112.752	112.752	0.000
150	40C_Unbiased	112.752	112.752	0.000
	Max	112.752	112.752	18.792
	Average	109.335	107.627	1.708
	Min	93.960	93.960	-18.792
	Std Dev	7.602	8.778	10.136

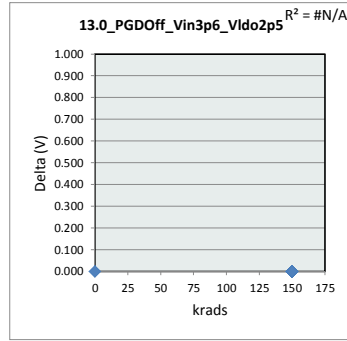


12.22_Vinmin_Refin_Hyst_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	950	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	112.752	93.960
Average	112.752	107.114
Max	112.752	112.752
UL	950.000	950.000

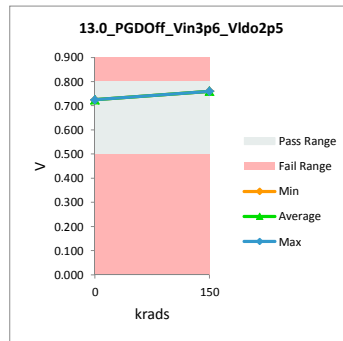


TID 150k HDR Rebound Report
TPS7H3301-SP

13.0_PGDOff_Vin3p6_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.8	0.8	
Min Limit		0.5	0.5	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.725	0.725	0.000
150	116A_Biased	0.760	0.760	0.000
150	117A_Biased	0.760	0.760	0.000
150	36B_biased	0.760	0.760	0.000
150	37B_Biased	0.760	0.760	0.000
150	39C_Biased	0.760	0.760	0.000
150	118A_Unbiased	0.760	0.760	0.000
150	140A_Unbiased	0.760	0.760	0.000
150	38B_Unbiased	0.760	0.760	0.000
150	39B_Unbiased	0.760	0.760	0.000
150	40C_Unbiased	0.760	0.760	0.000
	Max	0.760	0.760	0.000
	Average	0.757	0.757	0.000
	Min	0.725	0.725	0.000
	Std Dev	0.011	0.011	0.000

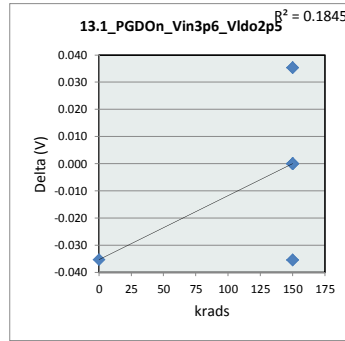


13.0_PGDOff_Vin3p6_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.8	V
Min Limit	0.5	V
krads	0	150
LL	0.500	0.500
Min	0.725	0.760
Average	0.725	0.760
Max	0.725	0.760
UL	0.800	0.800

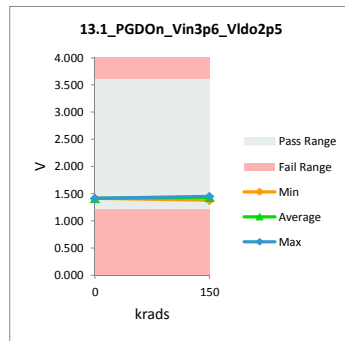


TID 150k HDR Rebound Report
TPS7H3301-SP

13.1_PGDOn_Vin3p6_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		3.6	3.6	
Min Limit		1.2	1.2	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.379	1.414	-0.035
150	116A_Biased	1.414	1.449	-0.035
150	117A_Biased	1.449	1.449	0.000
150	36B_biased	1.414	1.414	0.000
150	37B_Biased	1.414	1.414	0.000
150	39C_Biased	1.449	1.449	0.000
150	118A_Unbiased	1.414	1.379	0.035
150	140A_Unbiased	1.414	1.449	-0.035
150	38B_Unbiased	1.449	1.449	0.000
150	39B_Unbiased	1.449	1.449	0.000
150	40C_Unbiased	1.449	1.414	0.035
	Max	1.449	1.449	0.035
	Average	1.427	1.430	-0.003
	Min	1.379	1.379	-0.035
	Std Dev	0.024	0.024	0.025

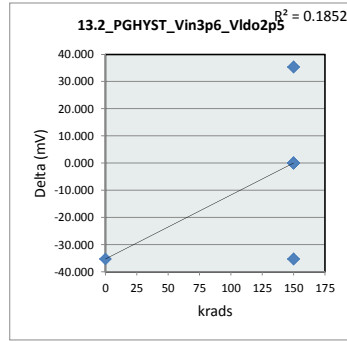


13.1_PGDOn_Vin3p6_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	3.6	V
Min Limit	1.2	V
krads	0	150
LL	1.200	1.200
Min	1.414	1.379
Average	1.414	1.432
Max	1.414	1.450
UL	3.600	3.600

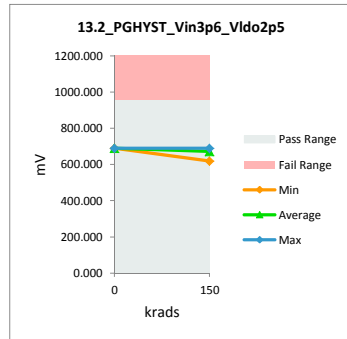


TID 150k HDR Rebound Report
TPS7H3301-SP

13.2_PGHYST_Vin3p6_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		950	950	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	654.040	689.394	-35.354
150	116A_Biased	654.040	689.394	-35.354
150	117A_Biased	689.394	689.394	0.000
150	36B_biased	654.040	654.040	0.000
150	37B_Biased	654.040	654.040	0.000
150	39C_Biased	689.394	689.394	0.000
150	118A_Unbiased	654.040	618.687	35.353
150	140A_Unbiased	654.040	689.394	-35.354
150	38B_Unbiased	689.394	689.394	0.000
150	39B_Unbiased	689.394	689.394	0.000
150	40C_Unbiased	689.394	654.040	35.354
	Max	689.394	689.394	35.354
	Average	670.110	673.324	-3.214
	Min	654.040	618.687	-35.354
	Std Dev	18.463	24.307	24.771

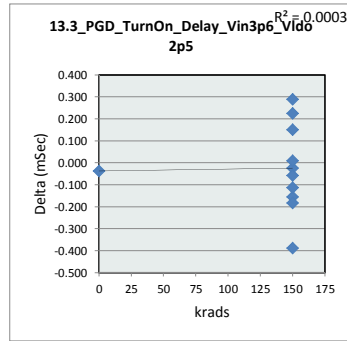


13.2_PGHYST_Vin3p6_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	950	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	689.394	618.687
Average	689.394	671.717
Max	689.394	689.394
UL	950.000	950.000

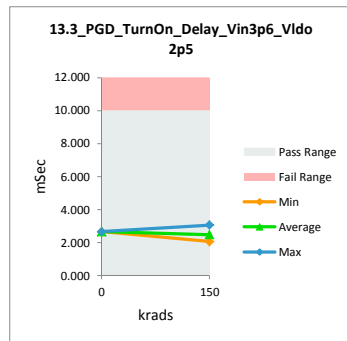


TID 150k HDR Rebound Report
TPS7H3301-SP

13.3_PGD_TurnOn_Delay_Vin3p6_Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mSec	mSec	
Max Limit		10	10	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.621	2.658	-0.037
150	116A_Biased	2.402	2.177	0.225
150	117A_Biased	2.343	2.055	0.288
150	36B_biased	2.184	2.340	-0.156
150	37B_Biased	2.072	2.096	-0.024
150	39C_Biased	2.674	3.062	-0.388
150	118A_Unbiased	2.343	2.334	0.009
150	140A_Unbiased	2.764	2.947	-0.183
150	38B_Unbiased	2.487	2.545	-0.058
150	39B_Unbiased	2.586	2.699	-0.113
150	40C_Unbiased	2.666	2.516	0.150
	Max	2.764	3.062	0.288
	Average	2.467	2.494	-0.026
	Min	2.072	2.055	-0.388
	Std Dev	0.219	0.332	0.194

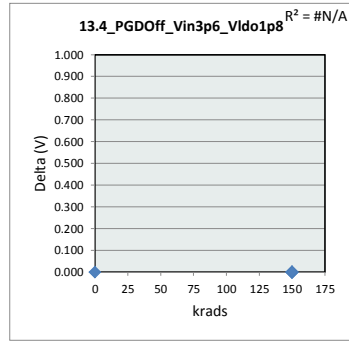


13.3_PGD_TurnOn_Delay_Vin3p6_Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mSec
Min Limit	0	mSec
krads	0	150
LL	0.000	0.000
Min	2.658	2.055
Average	2.658	2.477
Max	2.658	3.062
UL	10.000	10.000

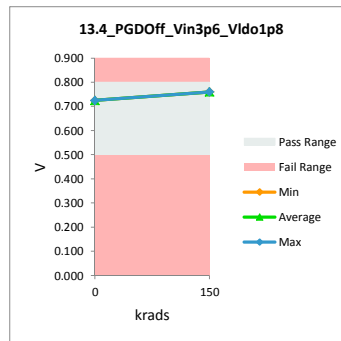


TID 150k HDR Rebound Report
TPS7H3301-SP

13.4_PGDOff_Vin3p6_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.8	0.8	
Min Limit		0.5	0.5	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.725	0.725	0.000
150	116A_Biased	0.760	0.760	0.000
150	117A_Biased	0.760	0.760	0.000
150	36B_biased	0.760	0.760	0.000
150	37B_Biased	0.760	0.760	0.000
150	39C_Biased	0.760	0.760	0.000
150	118A_Unbiased	0.760	0.760	0.000
150	140A_Unbiased	0.760	0.760	0.000
150	38B_Unbiased	0.760	0.760	0.000
150	39B_Unbiased	0.760	0.760	0.000
150	40C_Unbiased	0.760	0.760	0.000
	Max	0.760	0.760	0.000
	Average	0.757	0.757	0.000
	Min	0.725	0.725	0.000
	Std Dev	0.011	0.011	0.000

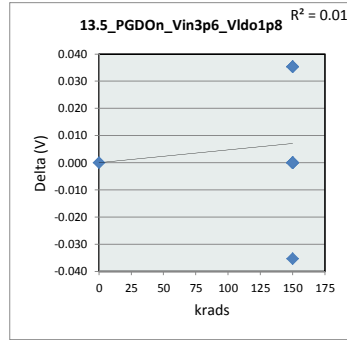


13.4_PGDOff_Vin3p6_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.8	V
Min Limit	0.5	V
krads	0	150
LL	0.500	0.500
Min	0.725	0.760
Average	0.725	0.760
Max	0.725	0.760
UL	0.800	0.800

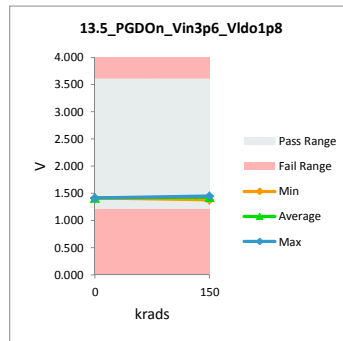


TID 150k HDR Rebound Report
TPS7H3301-SP

13.5_PGDOn_Vin3p6_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		3.6	3.6	
Min Limit		1.2	1.2	
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.414	1.414	0.000
150	116A_Biased	1.449	1.414	0.035
150	117A_Biased	1.449	1.449	0.000
150	36B_biased	1.414	1.379	0.035
150	37B_Biased	1.414	1.414	0.000
150	39C_Biased	1.449	1.449	0.000
150	118A_Unbiased	1.379	1.414	-0.035
150	140A_Unbiased	1.414	1.414	0.000
150	38B_Unbiased	1.449	1.414	0.035
150	39B_Unbiased	1.449	1.449	0.000
150	40C_Unbiased	1.449	1.449	0.000
Max		1.449	1.449	0.035
Average		1.430	1.424	0.006
Min		1.379	1.379	-0.035
Std Dev		0.024	0.023	0.021

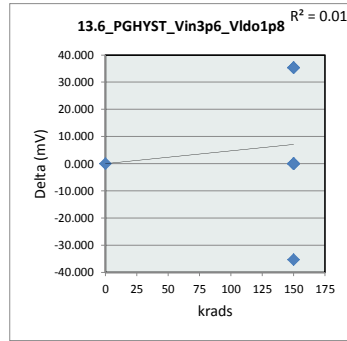


13.5_PGDOn_Vin3p6_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	3.6	V
Min Limit	1.2	V
krads	0	150
LL	1.200	1.200
Min	1.414	1.379
Average	1.414	1.425
Max	1.414	1.450
UL	3.600	3.600

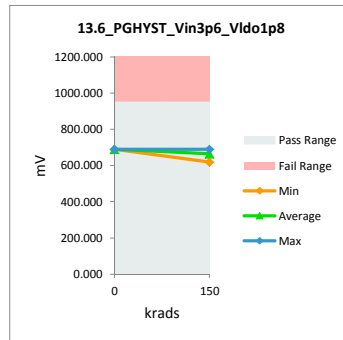


TID 150k HDR Rebound Report
TPS7H3301-SP

13.6_PGHYST_Vin3p6_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	689.394	689.394	0.000
150	116A_Biased	689.394	654.040	35.354
150	117A_Biased	689.394	689.394	0.000
150	36B_biased	654.040	618.687	35.353
150	37B_Biased	654.040	654.040	0.000
150	39C_Biased	689.394	689.394	0.000
150	118A_Unbiased	618.687	654.040	-35.353
150	140A_Unbiased	654.040	654.040	0.000
150	38B_Unbiased	689.394	654.040	35.354
150	39B_Unbiased	689.394	689.394	0.000
150	40C_Unbiased	689.394	689.394	0.000
	Max	689.394	689.394	35.354
	Average	673.324	666.896	6.428
	Min	618.687	618.687	-35.353
	Std Dev	24.307	23.835	21.319

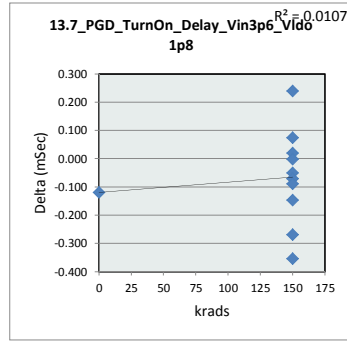


13.6_PGHYST_Vin3p6_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	950	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	689.394	618.687
Average	689.394	664.646
Max	689.394	689.394
UL	950.000	950.000

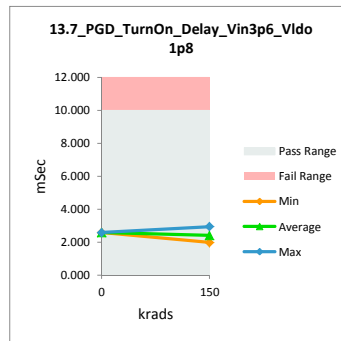


TID 150k HDR Rebound Report
TPS7H3301-SP

13.7_PGD_TurnOn_Delay_Vin3p6_Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mSec	mSec	
Max Limit		10	10	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.459	2.579	-0.120
150	116A_Biased	2.080	2.130	-0.050
150	117A_Biased	1.968	2.039	-0.071
150	36B_biased	2.262	2.409	-0.147
150	37B_Biased	2.055	1.981	0.074
150	39C_Biased	2.562	2.651	-0.089
150	118A_Unbiased	2.326	2.087	0.239
150	140A_Unbiased	2.586	2.940	-0.354
150	38B_Unbiased	2.347	2.616	-0.269
150	39B_Unbiased	2.567	2.547	0.020
150	40C_Unbiased	2.652	2.654	-0.002
	Max	2.652	2.940	0.239
	Average	2.351	2.421	-0.070
	Min	1.968	1.981	-0.354
	Std Dev	0.238	0.315	0.161

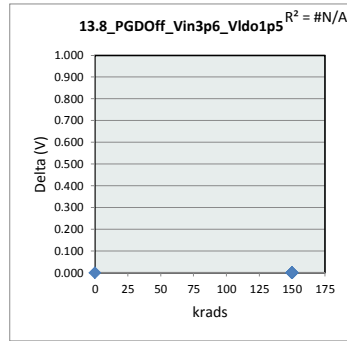


13.7_PGD_TurnOn_Delay_Vin3p6_Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mSec
Min Limit	0	mSec
krads	0	150
LL	0.000	0.000
Min	2.579	1.981
Average	2.579	2.405
Max	2.579	2.940
UL	10.000	10.000

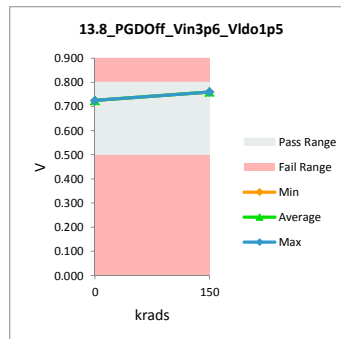


TID 150k HDR Rebound Report
TPS7H3301-SP

13.8_PGDOff_Vin3p6_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.8	0.8	
Min Limit		0.5	0.5	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.725	0.725	0.000
150	116A_Biased	0.760	0.760	0.000
150	117A_Biased	0.760	0.760	0.000
150	36B_biased	0.760	0.760	0.000
150	37B_Biased	0.760	0.760	0.000
150	39C_Biased	0.760	0.760	0.000
150	118A_Unbiased	0.760	0.760	0.000
150	140A_Unbiased	0.760	0.760	0.000
150	38B_Unbiased	0.760	0.760	0.000
150	39B_Unbiased	0.760	0.760	0.000
150	40C_Unbiased	0.760	0.760	0.000
	Max	0.760	0.760	0.000
	Average	0.757	0.757	0.000
	Min	0.725	0.725	0.000
	Std Dev	0.011	0.011	0.000

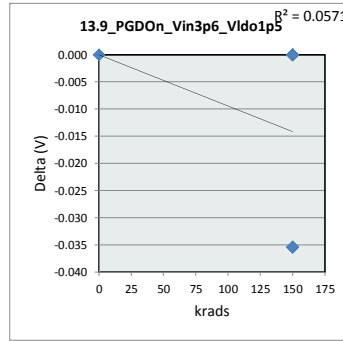


13.8_PGDOff_Vin3p6_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.8	V
Min Limit	0.5	V
krads	0	150
LL	0.500	0.500
Min	0.725	0.760
Average	0.725	0.760
Max	0.725	0.760
UL	0.800	0.800

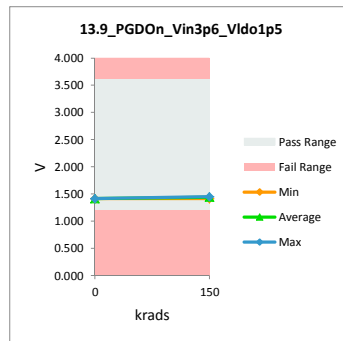


TID 150k HDR Rebound Report
TPS7H3301-SP

13.9_PGDOn_Vin3p6_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		3.6	3.6	
Min Limit		1.2	1.2	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.414	1.414	0.000
150	116A_Biased	1.449	1.449	0.000
150	117A_Biased	1.414	1.449	-0.035
150	36B_biased	1.414	1.414	0.000
150	37B_Biased	1.414	1.414	0.000
150	39C_Biased	1.449	1.449	0.000
150	118A_Unbiased	1.414	1.414	0.000
150	140A_Unbiased	1.414	1.449	-0.035
150	38B_Unbiased	1.449	1.449	0.000
150	39B_Unbiased	1.414	1.449	-0.035
150	40C_Unbiased	1.414	1.449	-0.035
	Max	1.449	1.449	0.000
	Average	1.424	1.437	-0.013
	Min	1.414	1.414	-0.035
	Std Dev	0.017	0.018	0.018

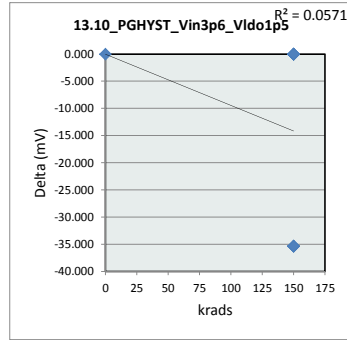


13.9_PGDOn_Vin3p6_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	3.6	V
Min Limit	1.2	V
krads	0	150
LL	1.200	1.200
Min	1.414	1.414
Average	1.414	1.439
Max	1.414	1.450
UL	3.600	3.600

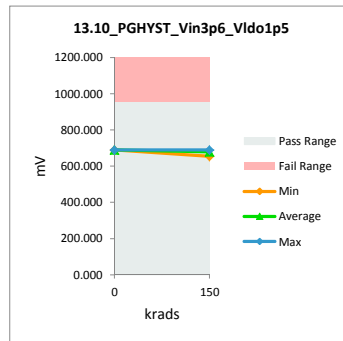


TID 150k HDR Rebound Report
TPS7H3301-SP

13.10_PGHYST_Vin3p6_Vldo1p5				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	689.394	689.394	0.000
150	116A_Biased	689.394	689.394	0.000
150	117A_Biased	654.040	689.394	-35.354
150	36B_biased	654.040	654.040	0.000
150	37B_Biased	654.040	654.040	0.000
150	39C_Biased	689.394	689.394	0.000
150	118A_Unbiased	654.040	654.040	0.000
150	140A_Unbiased	654.040	689.394	-35.354
150	38B_Unbiased	689.394	689.394	0.000
150	39B_Unbiased	654.040	689.394	-35.354
150	40C_Unbiased	654.040	689.394	-35.354
	Max	689.394	689.394	0.000
	Average	666.896	679.752	-12.856
	Min	654.040	654.040	-35.354
	Std Dev	17.837	16.514	17.837

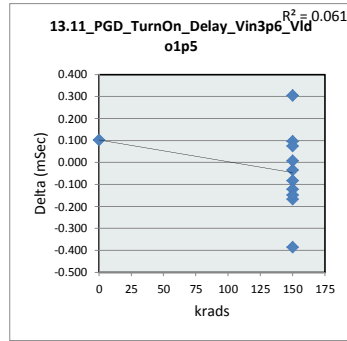


13.10_PGHYST_Vin3p6_Vldo1p5		
krads	0	150
LL	0.000	0.000
Min	689.394	654.040
Average	689.394	678.788
Max	689.394	689.394
UL	950.000	950.000

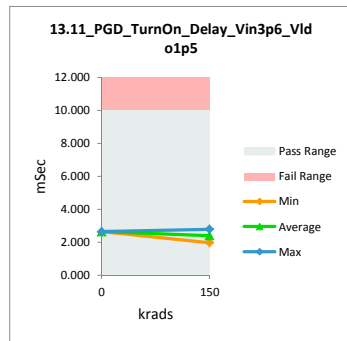


TID 150k HDR Rebound Report
TPS7H3301-SP

13.11_PGD_TurnOn_Delay_Vin3p6				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.740	2.637	0.103
150	116A_Biased	2.252	2.155	0.097
150	117A_Biased	2.115	2.149	-0.034
150	36B_biased	2.279	2.446	-0.167
150	37B_Biased	2.045	1.971	0.074
150	39C_Biased	2.653	2.645	0.008
150	118A_Unbiased	2.265	2.348	-0.083
150	140A_Unbiased	2.743	2.438	0.305
150	38B_Unbiased	2.340	2.462	-0.122
150	39B_Unbiased	2.429	2.577	-0.148
150	40C_Unbiased	2.400	2.786	-0.386
	Max	2.743	2.786	0.305
	Average	2.387	2.419	-0.032
	Min	2.045	1.971	-0.386
	Std Dev	0.237	0.247	0.181

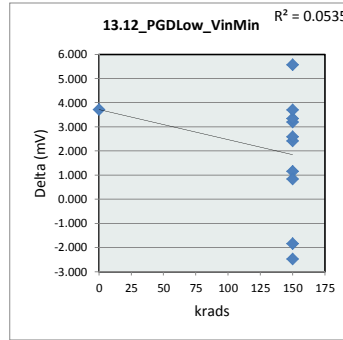


13.11_PGD_TurnOn_Delay_Vin3p6_Vld o1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mSec
Min Limit	0	mSec
krads	0	150
LL	0.000	0.000
Min	2.637	1.971
Average	2.637	2.398
Max	2.637	2.786
UL	10.000	10.000

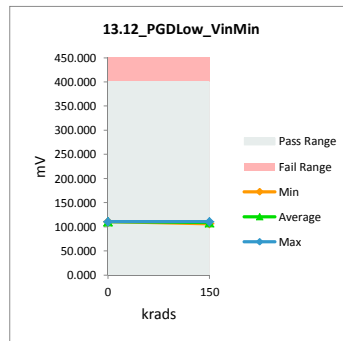


TID 150k HDR Rebound Report
TPS7H3301-SP

13.12_PGDLow_VinMin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	400	400		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	114.407	110.693	3.714
150	116A_Biased	110.292	107.100	3.192
150	117A_Biased	108.887	106.474	2.413
150	36B_biased	110.650	108.062	2.588
150	37B_Biased	106.760	109.227	-2.467
150	39C_Biased	112.509	109.162	3.347
150	118A_Unbiased	109.235	108.072	1.163
150	140A_Unbiased	114.023	108.459	5.564
150	38B_Unbiased	111.526	110.680	0.846
150	39B_Unbiased	106.996	108.838	-1.842
150	40C_Unbiased	113.367	109.669	3.698
Max		114.407	110.693	5.564
Average		110.787	108.767	2.020
Min		106.760	106.474	-2.467
Std Dev		2.657	1.329	2.429

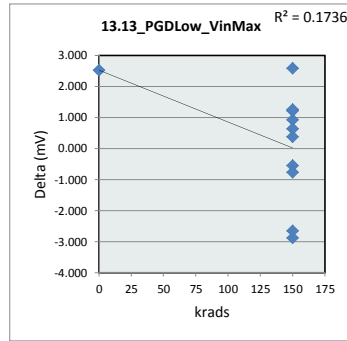


13.12_PGDLow_VinMin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	400	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	110.693	106.474
Average	110.693	108.574
Max	110.693	110.680
UL	400.000	400.000

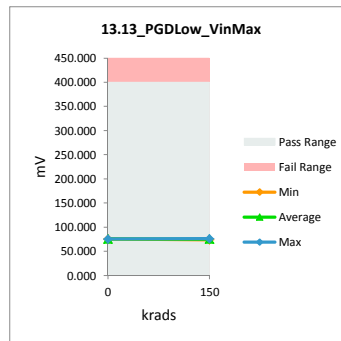


TID 150k HDR Rebound Report
TPS7H3301-SP

13.13_PGDLow_VinMax				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	78.112	75.586	2.526
150	116A_Biased	74.835	73.909	0.926
150	117A_Biased	74.120	73.744	0.376
150	36B_biased	75.093	74.456	0.637
150	37B_Biased	72.349	75.229	-2.880
150	39C_Biased	76.971	75.759	1.212
150	118A_Unbiased	74.265	74.818	-0.553
150	140A_Unbiased	77.639	75.060	2.579
150	38B_Unbiased	75.572	76.337	-0.765
150	39B_Unbiased	72.629	75.285	-2.656
150	40C_Unbiased	77.254	76.003	1.251
	Max	78.112	76.337	2.579
	Average	75.349	75.108	0.241
	Min	72.349	73.744	-2.880
	Std Dev	1.965	0.826	1.819

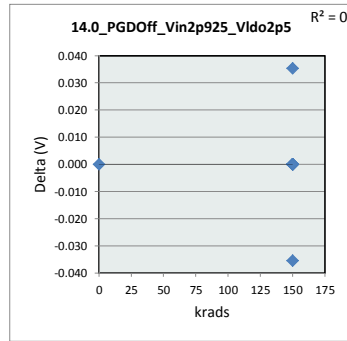


13.13_PGDLow_VinMax		
krads	0	150
LL	0.000	0.000
Min	75.586	73.744
Average	75.586	75.060
Max	75.586	76.337
UL	400.000	400.000

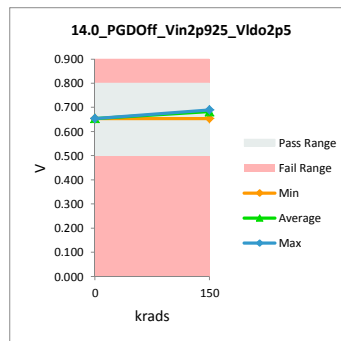


TID 150k HDR Rebound Report
TPS7H3301-SP

14.0_PGDOff_Vin2p925_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.8	0.8	
Min Limit		0.5	0.5	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.654	0.654	0.000
150	116A_Biased	0.689	0.689	0.000
150	117A_Biased	0.689	0.689	0.000
150	36B_biased	0.689	0.654	0.035
150	37B_Biased	0.689	0.689	0.000
150	39C_Biased	0.689	0.689	0.000
150	118A_Unbiased	0.654	0.654	0.000
150	140A_Unbiased	0.654	0.689	-0.035
150	38B_Unbiased	0.689	0.689	0.000
150	39B_Unbiased	0.689	0.689	0.000
150	40C_Unbiased	0.689	0.689	0.000
	Max	0.689	0.689	0.035
	Average	0.680	0.680	0.000
	Min	0.654	0.654	-0.035
	Std Dev	0.017	0.017	0.016

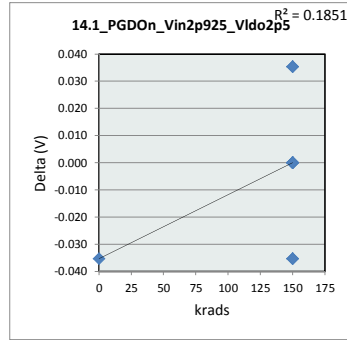


14.0_PGDOff_Vin2p925_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.8	V
Min Limit	0.5	V
krads	0	150
LL	0.500	0.500
Min	0.654	0.654
Average	0.654	0.682
Max	0.654	0.689
UL	0.800	0.800

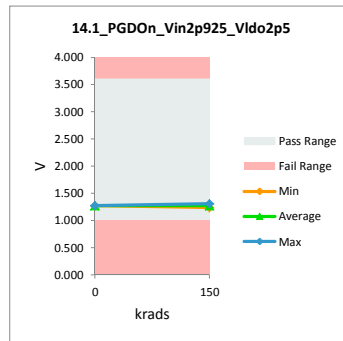


TID 150k HDR Rebound Report
TPS7H3301-SP

14.1_PGDOn_Vin2p925_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		3.6	3.6	
Min Limit		1	1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.237	1.273	-0.035
150	116A_Biased	1.273	1.273	0.000
150	117A_Biased	1.273	1.273	0.000
150	36B_biased	1.273	1.237	0.035
150	37B_Biased	1.273	1.273	0.000
150	39C_Biased	1.308	1.308	0.000
150	118A_Unbiased	1.273	1.273	0.000
150	140A_Unbiased	1.273	1.273	0.000
150	38B_Unbiased	1.308	1.273	0.035
150	39B_Unbiased	1.237	1.273	-0.035
150	40C_Unbiased	1.237	1.273	-0.035
	Max	1.308	1.308	0.035
	Average	1.270	1.273	-0.003
	Min	1.237	1.237	-0.035
	Std Dev	0.025	0.016	0.025

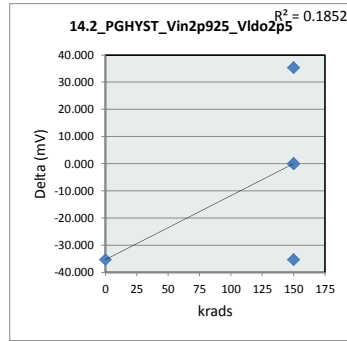


14.1_PGDOn_Vin2p925_Vldo2		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	3.6	V
Min Limit	1	V
krads	0	150
LL	1.000	1.000
Min	1.273	1.237
Average	1.273	1.273
Max	1.273	1.308
UL	3.600	3.600

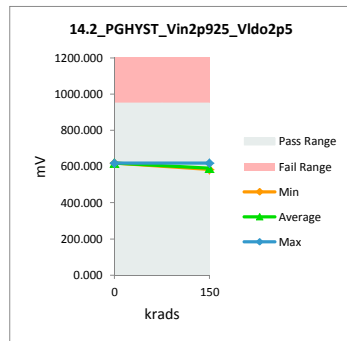


TID 150k HDR Rebound Report
TPS7H3301-SP

14.2_PGHYST_Vin2p925_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		950	950	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	583.333	618.687	-35.354
150	116A_Biased	583.333	583.333	0.000
150	117A_Biased	583.333	583.333	0.000
150	36B_biased	583.333	583.333	0.000
150	37B_Biased	583.333	583.333	0.000
150	39C_Biased	618.687	618.687	0.000
150	118A_Unbiased	618.687	618.687	0.000
150	140A_Unbiased	618.687	583.333	35.354
150	38B_Unbiased	618.687	583.333	35.354
150	39B_Unbiased	547.980	583.333	-35.353
150	40C_Unbiased	547.980	583.333	-35.353
Max		618.687	618.687	35.354
Average		589.761	592.975	-3.214
Min		547.980	583.333	-35.354
Std Dev		26.542	16.514	24.770

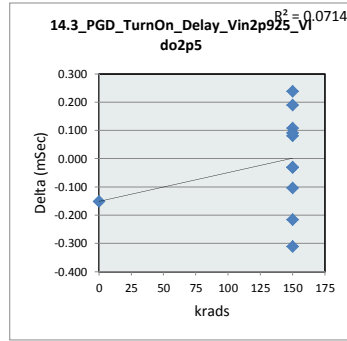


14.2_PGHYST_Vin2p925_Vldo2p5		
Test Site		Dallas, Tx
Tester		ETS
Test Number		EF636800
Max Limit		950 mV
Min Limit		0 mV
krads	0	150
LL	0.000	0.000
Min	618.687	583.333
Average	618.687	590.404
Max	618.687	618.687
UL	950.000	950.000

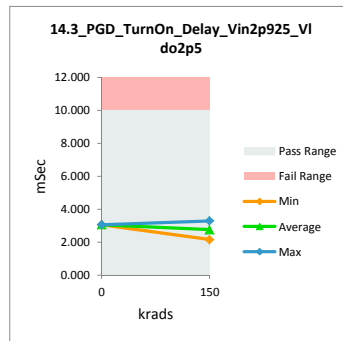


TID 150k HDR Rebound Report
TPS7H3301-SP

14.3_PGD_TurnOn_Delay_Vin2p925_VI				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mSec	mSec	
Max Limit		10	10	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.907	3.058	-0.151
150	116A_Biased	2.663	2.694	-0.031
150	117A_Biased	2.356	2.248	0.108
150	36B_biased	2.743	2.505	0.238
150	37B_Biased	2.342	2.152	0.190
150	39C_Biased	3.260	3.290	-0.030
150	118A_Unbiased	2.380	2.484	-0.104
150	140A_Unbiased	3.059	3.275	-0.216
150	38B_Unbiased	2.889	2.808	0.081
150	39B_Unbiased	3.031	2.940	0.091
150	40C_Unbiased	2.830	3.141	-0.311
	Max	3.260	3.290	0.238
	Average	2.769	2.781	-0.012
	Min	2.342	2.152	-0.311
	Std Dev	0.308	0.398	0.172

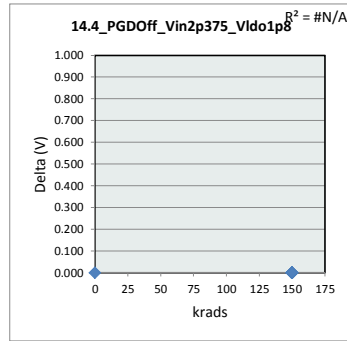


14.3_PGD_TurnOn_Delay_Vin2p925_VI		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mSec
Min Limit	0	mSec
krads	0	150
LL	0.000	0.000
Min	3.058	2.152
Average	3.058	2.754
Max	3.058	3.290
UL	10.000	10.000

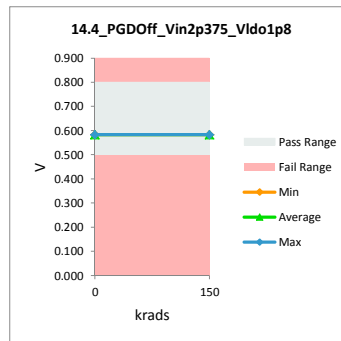


TID 150k HDR Rebound Report
TPS7H3301-SP

14.4_PGDOff_Vin2p375_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.8	0.8	
Min Limit		0.5	0.5	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.583	0.583	0.000
150	116A_Biased	0.583	0.583	0.000
150	117A_Biased	0.583	0.583	0.000
150	36B_biased	0.583	0.583	0.000
150	37B_Biased	0.583	0.583	0.000
150	39C_Biased	0.583	0.583	0.000
150	118A_Unbiased	0.583	0.583	0.000
150	140A_Unbiased	0.583	0.583	0.000
150	38B_Unbiased	0.583	0.583	0.000
150	39B_Unbiased	0.583	0.583	0.000
150	40C_Unbiased	0.583	0.583	0.000
Max		0.583	0.583	0.000
Average		0.583	0.583	0.000
Min		0.583	0.583	0.000
Std Dev		0.000	0.000	0.000

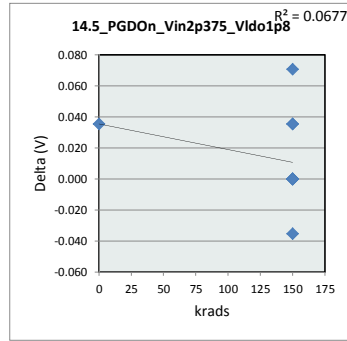


14.4_PGDOff_Vin2p375_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.8	V
Min Limit	0.5	V
krads	0	150
LL	0.500	0.500
Min	0.583	0.583
Average	0.583	0.583
Max	0.583	0.583
UL	0.800	0.800

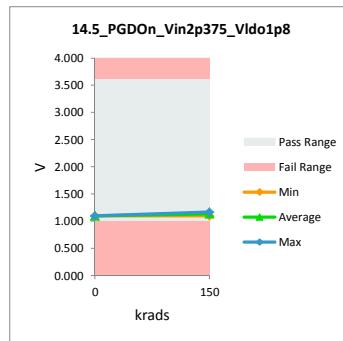


TID 150k HDR Rebound Report
TPS7H3301-SP

14.5_PGDOn_Vin2p375_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		3.6	3.6	
Min Limit		1	1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.131	1.096	0.035
150	116A_Biased	1.167	1.167	0.000
150	117A_Biased	1.167	1.131	0.035
150	36B_biased	1.167	1.096	0.071
150	37B_Biased	1.167	1.131	0.035
150	39C_Biased	1.167	1.167	0.000
150	118A_Unbiased	1.096	1.096	0.000
150	140A_Unbiased	1.096	1.096	0.000
150	38B_Unbiased	1.131	1.167	-0.035
150	39B_Unbiased	1.167	1.167	0.000
150	40C_Unbiased	1.131	1.131	0.000
	Max	1.167	1.167	0.071
	Average	1.144	1.131	0.013
	Min	1.096	1.096	-0.035
	Std Dev	0.029	0.032	0.029

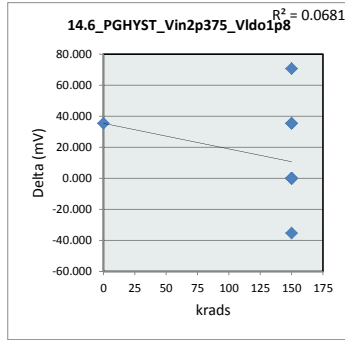


14.5_PGDOn_Vin2p375_Vldo1		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	3.6	V
Min Limit	1	V
krads	0	150
LL	1.000	1.000
Min	1.096	1.096
Average	1.096	1.135
Max	1.096	1.167
UL	3.600	3.600

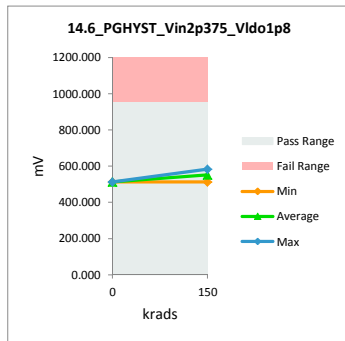


TID 150k HDR Rebound Report
TPS7H3301-SP

14.6_PGHYST_Vin2p375_Vldo1p8				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		950	950	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	547.980	512.626	35.354
150	116A_Biased	583.333	583.333	0.000
150	117A_Biased	583.333	547.980	35.353
150	36B_biased	583.333	512.626	70.707
150	37B_Biased	583.333	547.980	35.353
150	39C_Biased	583.333	583.333	0.000
150	118A_Unbiased	512.626	512.626	0.000
150	140A_Unbiased	512.626	512.626	0.000
150	38B_Unbiased	547.980	583.333	-35.353
150	39B_Unbiased	583.333	583.333	0.000
150	40C_Unbiased	547.980	547.980	0.000
Max		583.333	583.333	70.707
Average		560.835	547.980	12.856
Min		512.626	512.626	-35.353
Std Dev		28.602	31.621	28.602

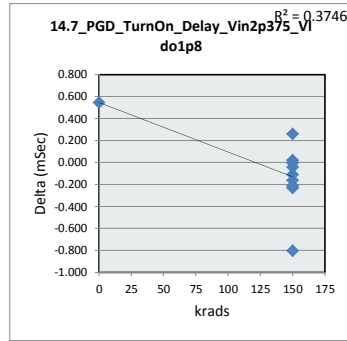


14.6_PGHYST_Vin2p375_Vldo1p8		
Test Site		Dallas, Tx
Tester		ETS
Test Number		EF636800
Max Limit		950 mV
Min Limit		0 mV
krads	0	150
LL	0.000	0.000
Min	512.626	512.626
Average	512.626	551.515
Max	512.626	583.333
UL	950.000	950.000

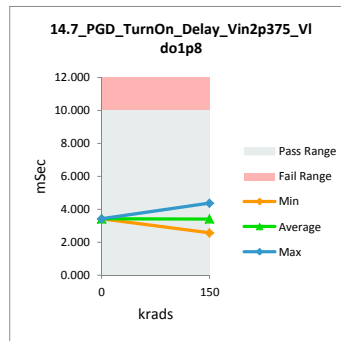


TID 150k HDR Rebound Report
TPS7H3301-SP

14.7_PG_D_TurnOn_Delay_Vin2p375_VI				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mSec	mSec	
Max Limit		10	10	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.964	3.420	0.544
150	116A_Biased	2.690	2.853	-0.163
150	117A_Biased	2.983	2.724	0.259
150	36B_biased	3.187	3.229	-0.042
150	37B_Biased	2.558	2.561	-0.003
150	39C_Biased	4.137	4.368	-0.231
150	118A_Unbiased	2.932	2.912	0.020
150	140A_Unbiased	3.518	4.322	-0.804
150	38B_Unbiased	3.234	3.446	-0.212
150	39B_Unbiased	3.566	3.677	-0.111
150	40C_Unbiased	3.932	3.933	-0.001
	Max	4.137	4.368	0.544
	Average	3.336	3.404	-0.068
	Min	2.558	2.561	-0.804
	Std Dev	0.531	0.623	0.331

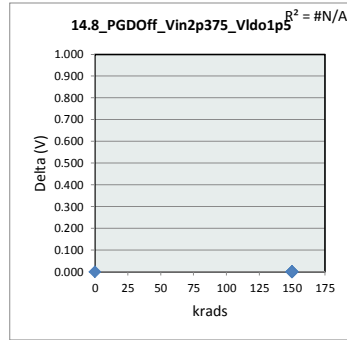


14.7_PG_D_TurnOn_Delay_Vin2p375_VI		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mSec
Min Limit	0	mSec
krads	0	150
LL	0.000	0.000
Min	3.420	2.561
Average	3.420	3.403
Max	3.420	4.368
UL	10.000	10.000

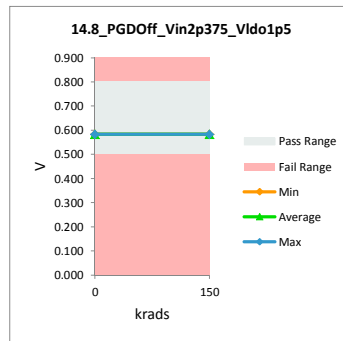


TID 150k HDR Rebound Report
TPS7H3301-SP

14.8_PGDOff_Vin2p375_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.8	0.8	
Min Limit		0.5	0.5	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.583	0.583	0.000
150	116A_Biased	0.583	0.583	0.000
150	117A_Biased	0.583	0.583	0.000
150	36B_biased	0.583	0.583	0.000
150	37B_Biased	0.583	0.583	0.000
150	39C_Biased	0.583	0.583	0.000
150	118A_Unbiased	0.583	0.583	0.000
150	140A_Unbiased	0.583	0.583	0.000
150	38B_Unbiased	0.583	0.583	0.000
150	39B_Unbiased	0.583	0.583	0.000
150	40C_Unbiased	0.583	0.583	0.000
Max		0.583	0.583	0.000
Average		0.583	0.583	0.000
Min		0.583	0.583	0.000
Std Dev		0.000	0.000	0.000

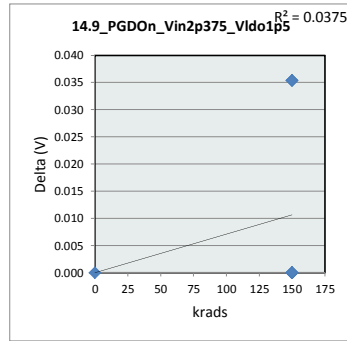


14.8_PGDOff_Vin2p375_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.8	V
Min Limit	0.5	V
krads	0	150
LL	0.500	0.500
Min	0.583	0.583
Average	0.583	0.583
Max	0.583	0.583
UL	0.800	0.800

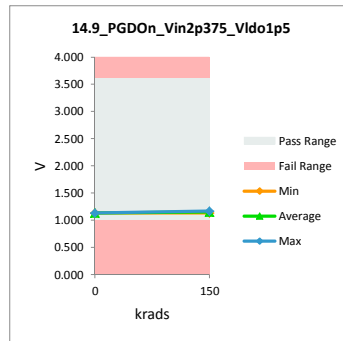


TID 150k HDR Rebound Report
TPS7H3301-SP

14.9_PGDOn_Vin2p375_Vldo1p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		3.6	3.6	
Min Limit		1	1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.131	1.131	0.000
150	116A_Biased	1.167	1.167	0.000
150	117A_Biased	1.167	1.131	0.035
150	36B_biased	1.167	1.131	0.035
150	37B_Biased	1.167	1.131	0.035
150	39C_Biased	1.167	1.167	0.000
150	118A_Unbiased	1.131	1.131	0.000
150	140A_Unbiased	1.131	1.131	0.000
150	38B_Unbiased	1.167	1.167	0.000
150	39B_Unbiased	1.167	1.167	0.000
150	40C_Unbiased	1.167	1.167	0.000
Max		1.167	1.167	0.035
Average		1.157	1.147	0.010
Min		1.131	1.131	0.000
Std Dev		0.017	0.018	0.017

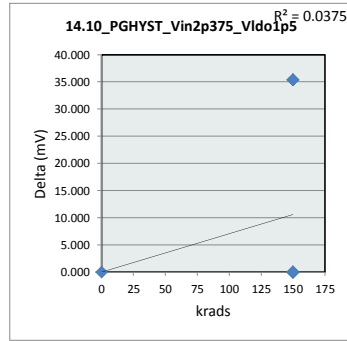


14.9_PGDOn_Vin2p375_Vldo1		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	3.6	V
Min Limit	1	V
krads	0	150
LL	1.000	1.000
Min	1.131	1.131
Average	1.131	1.149
Max	1.131	1.167
UL	3.600	3.600

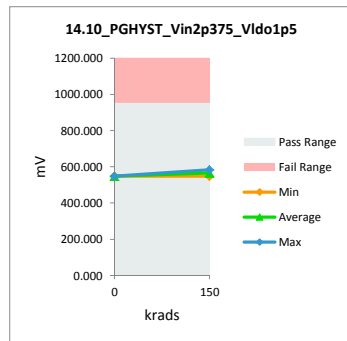


TID 150k HDR Rebound Report
TPS7H3301-SP

14.10_PGHYST_Vin2p375_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	547.980	547.980	0.000
150	116A_Biased	583.333	583.333	0.000
150	117A_Biased	583.333	547.980	35.353
150	36B_biased	583.333	547.980	35.353
150	37B_Biased	583.333	547.980	35.353
150	39C_Biased	583.333	583.333	0.000
150	118A_Unbiased	547.980	547.980	0.000
150	140A_Unbiased	547.980	547.980	0.000
150	38B_Unbiased	583.333	583.333	0.000
150	39B_Unbiased	583.333	583.333	0.000
150	40C_Unbiased	583.333	583.333	0.000
	Max	583.333	583.333	35.353
	Average	573.691	564.050	9.642
	Min	547.980	547.980	0.000
	Std Dev	16.513	18.463	16.513

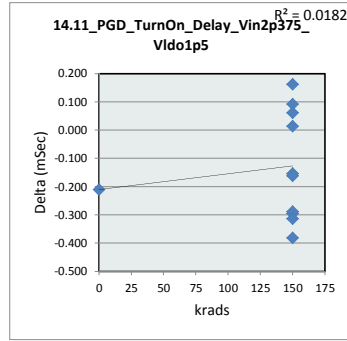


14.10_PGHYST_Vin2p375_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	950	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	547.980	547.980
Average	547.980	565.657
Max	547.980	583.333
UL	950.000	950.000

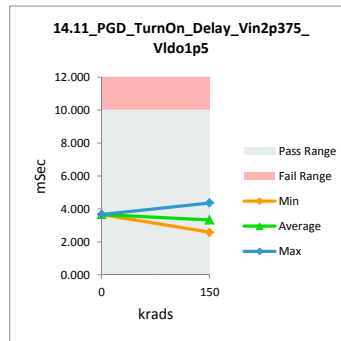


TID 150k HDR Rebound Report
TPS7H3301-SP

14.11_PGD_TurnOn_Delay_Vin2p3				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mSec	mSec	
Max Limit		10	10	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.452	3.662	-0.210
150	116A_Biased	2.854	2.762	0.092
150	117A_Biased	2.770	2.924	-0.154
150	36B_biased	3.085	3.247	-0.162
150	37B_Biased	2.746	2.584	0.162
150	39C_Biased	3.980	4.361	-0.381
150	118A_Unbiased	2.675	2.661	0.014
150	140A_Unbiased	3.645	3.940	-0.295
150	38B_Unbiased	3.153	3.441	-0.288
150	39B_Unbiased	3.493	3.432	0.061
150	40C_Unbiased	3.657	3.970	-0.313
	Max	3.980	4.361	0.162
	Average	3.228	3.362	-0.134
	Min	2.675	2.584	-0.381
	Std Dev	0.442	0.589	0.187

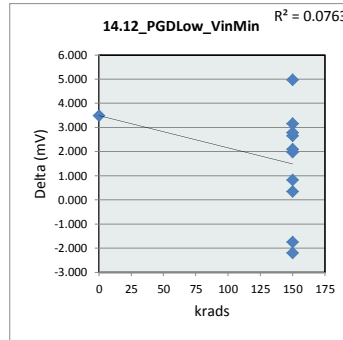


14.11_PGD_TurnOn_Delay_Vin2p375_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mSec
Min Limit	0	mSec
krads	0	150
LL	0.000	0.000
Min	3.662	2.584
Average	3.662	3.332
Max	3.662	4.361
UL	10.000	10.000

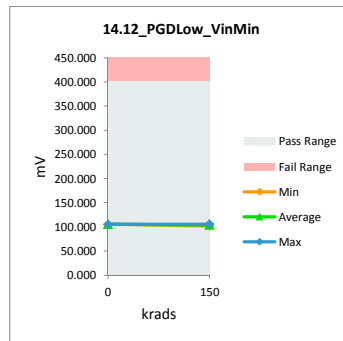


TID 150k HDR Rebound Report
TPS7H3301-SP

14.12_PGDLow_VinMin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	400	400		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	108.901	105.406	3.495
150	116A_Biased	104.844	102.192	2.652
150	117A_Biased	103.627	101.654	1.973
150	36B_biased	105.156	103.056	2.100
150	37B_Biased	102.030	104.228	-2.198
150	39C_Biased	107.098	104.305	2.793
150	118A_Unbiased	103.981	103.151	0.830
150	140A_Unbiased	108.486	103.515	4.971
150	38B_Unbiased	105.986	105.642	0.344
150	39B_Unbiased	102.214	103.960	-1.746
150	40C_Unbiased	107.931	104.776	3.155
Max		108.901	105.642	4.971
Average		105.478	103.808	1.670
Min		102.030	101.654	-2.198
Std Dev		2.416	1.250	2.192

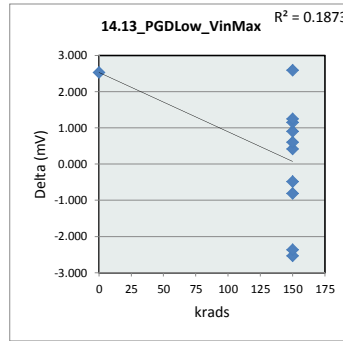


14.12_PGDLow_VinMin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	400	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	105.406	101.654
Average	105.406	103.648
Max	105.406	105.642
UL	400.000	400.000

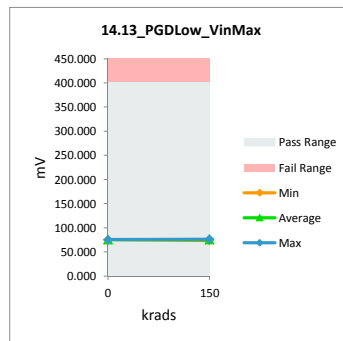


TID 150k HDR Rebound Report
TPS7H3301-SP

14.13_PGDLow_VinMax				
Test Site	Dallas, Tx		Dallas, Tx	
Tester	ETS		ETS	
Test Number	EF636800		EF636800	
Unit	mV		mV	
Max Limit	400		400	
Min Limit	0		0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	78.136	75.609	2.527
150	116A_Biased	74.850	73.952	0.898
150	117A_Biased	74.186	73.769	0.417
150	36B_biased	75.089	74.485	0.604
150	37B_Biased	72.778	75.314	-2.536
150	39C_Biased	76.993	75.844	1.149
150	118A_Unbiased	74.362	74.845	-0.483
150	140A_Unbiased	77.665	75.076	2.589
150	38B_Unbiased	75.576	76.386	-0.810
150	39B_Unbiased	73.001	75.368	-2.367
150	40C_Unbiased	77.322	76.076	1.246
Max		78.136	76.386	2.589
Average		75.451	75.157	0.294
Min		72.778	73.769	-2.536
Std Dev		1.856	0.839	1.711

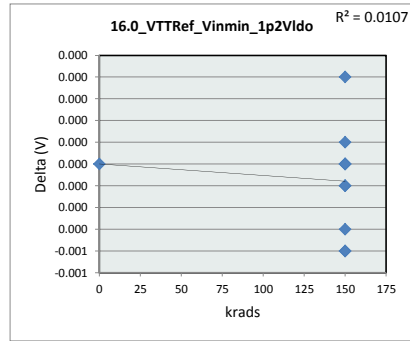


14.13_PGDLow_VinMax		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	400	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	75.609	73.769
Average	75.609	75.112
Max	75.609	76.386
UL	400.000	400.000

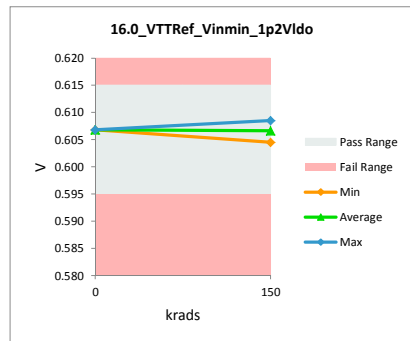


TID 150k HDR Rebound Report
TPS7H3301-SP

16.0_VTTRef_Vinmin_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.615	0.615	
Min Limit		0.595	0.595	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.607	0.607	0.000
150	116A_Biased	0.607	0.607	0.000
150	117A_Biased	0.606	0.606	0.000
150	36B_biased	0.606	0.606	0.000
150	37B_Biased	0.607	0.607	0.000
150	39C_Biased	0.606	0.607	0.000
150	118A_Unbiased	0.609	0.609	0.000
150	140A_Unbiased	0.607	0.607	0.000
150	38B_Unbiased	0.607	0.608	-0.001
150	39B_Unbiased	0.604	0.604	-0.001
150	40C_Unbiased	0.605	0.605	0.000
	Max	0.609	0.609	0.000
	Average	0.606	0.607	0.000
	Min	0.604	0.604	-0.001
	Std Dev	0.001	0.001	0.000

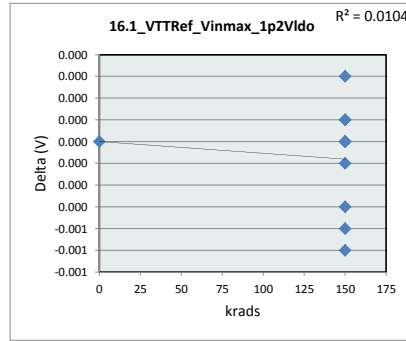


16.0_VTTRef_Vinmin_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.615	V
Min Limit	0.595	V
krads	0	150
LL	0.595	0.595
Min	0.607	0.605
Average	0.607	0.607
Max	0.607	0.609
UL	0.615	0.615

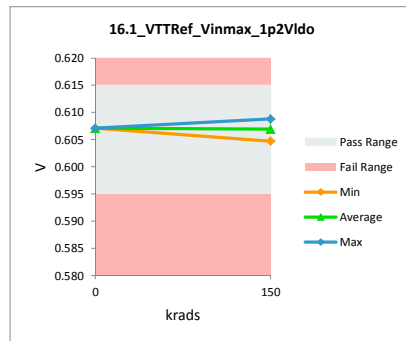


TID 150k HDR Rebound Report
TPS7H3301-SP

16.1_VTTRef_Vinmax_1p2Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.607	0.607	0.000
150	116A_Biased	0.607	0.607	0.000
150	117A_Biased	0.606	0.606	0.000
150	36B_biased	0.607	0.607	0.000
150	37B_Biased	0.607	0.608	-0.001
150	39C_Biased	0.607	0.607	0.000
150	118A_Unbiased	0.609	0.609	0.000
150	140A_Unbiased	0.607	0.607	0.000
150	38B_Unbiased	0.608	0.608	-0.001
150	39B_Unbiased	0.604	0.605	0.000
150	40C_Unbiased	0.605	0.606	0.000
	Max	0.609	0.609	0.000
	Average	0.607	0.607	0.000
	Min	0.604	0.605	-0.001
	Std Dev	0.001	0.001	0.000

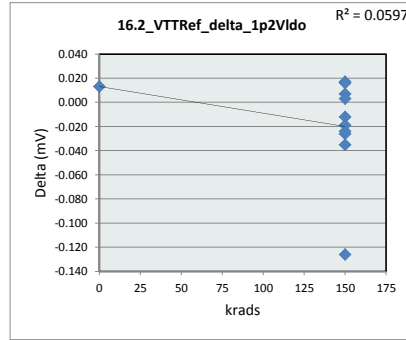


16.1_VTTRef_Vinmax_1p2Vldo		
krads	0	150
LL	0.595	0.595
Min	0.607	0.605
Average	0.607	0.607
Max	0.607	0.609
UL	0.615	0.615

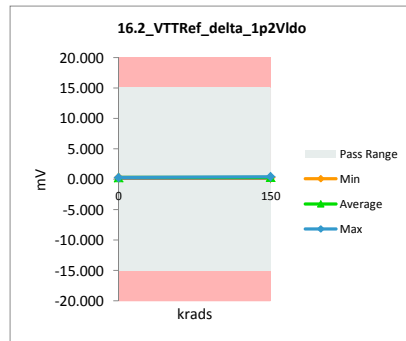


TID 150k HDR Rebound Report
TPS7H3301-SP

16.2_VTTRef_delta_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.310	0.297	0.013
150	116A_Biased	0.267	0.260	0.007
150	117A_Biased	0.291	0.274	0.017
150	36B_biased	0.285	0.311	-0.026
150	37B_Biased	0.262	0.286	-0.024
150	39C_Biased	0.302	0.337	-0.035
150	118A_Unbiased	0.262	0.274	-0.012
150	140A_Unbiased	0.306	0.303	0.003
150	38B_Unbiased	0.294	0.420	-0.126
150	39B_Unbiased	0.293	0.277	0.016
150	40C_Unbiased	0.327	0.346	-0.019
Max		0.327	0.420	0.017
Average		0.291	0.308	-0.017
Min		0.262	0.260	-0.126
Std Dev		0.021	0.046	0.041

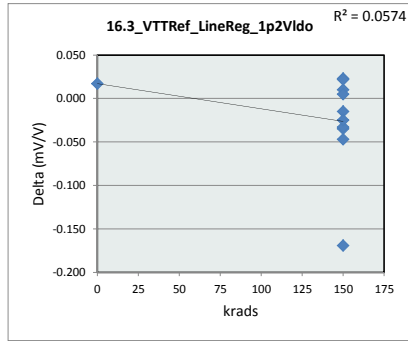


16.2_VTTRef_delta_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	0.297	0.260
Average	0.297	0.309
Max	0.297	0.420
UL	15.000	15.000

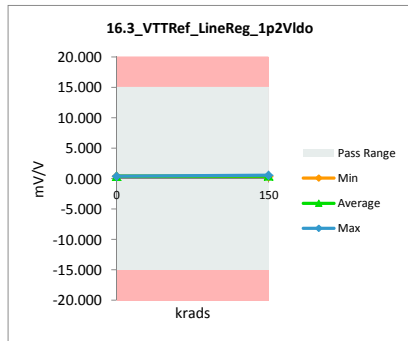


TID 150k HDR Rebound Report
TPS7H3301-SP

16.3_VTTRef_LineReg_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.417	0.400	0.017
150	116A_Biased	0.359	0.349	0.010
150	117A_Biased	0.392	0.369	0.023
150	36B_biased	0.384	0.419	-0.035
150	37B_Biased	0.352	0.385	-0.033
150	39C_Biased	0.407	0.454	-0.047
150	118A_Unbiased	0.352	0.367	-0.015
150	140A_Unbiased	0.412	0.407	0.005
150	38B_Unbiased	0.395	0.564	-0.169
150	39B_Unbiased	0.396	0.374	0.022
150	40C_Unbiased	0.441	0.466	-0.025
Max		0.441	0.564	0.023
Average		0.392	0.414	-0.022
Min		0.352	0.349	-0.169
Std Dev		0.028	0.062	0.055

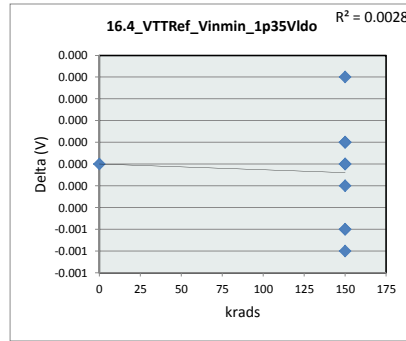


16.3_VTTRef_LineReg_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV/V
Min Limit	-15	mV/V
krads	0	150
LL	-15.000	-15.000
Min	0.400	0.349
Average	0.400	0.415
Max	0.400	0.564
UL	15.000	15.000

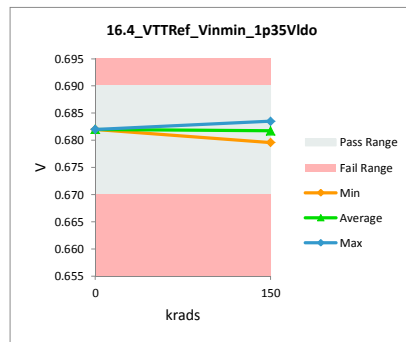


TID 150k HDR Rebound Report
TPS7H3301-SP

16.4_VTTRef_Vinmin_1p35Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.69	0.69	
Min Limit		0.67	0.67	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.682	0.682	0.000
150	116A_Biased	0.682	0.682	0.000
150	117A_Biased	0.681	0.681	0.000
150	36B_biased	0.681	0.682	0.000
150	37B_Biased	0.682	0.682	0.000
150	39C_Biased	0.681	0.682	0.000
150	118A_Unbiased	0.684	0.683	0.000
150	140A_Unbiased	0.682	0.682	0.000
150	38B_Unbiased	0.683	0.683	-0.001
150	39B_Unbiased	0.679	0.680	-0.001
150	40C_Unbiased	0.680	0.680	0.000
Max		0.684	0.683	0.000
Average		0.682	0.682	0.000
Min		0.679	0.680	-0.001
Std Dev		0.001	0.001	0.000

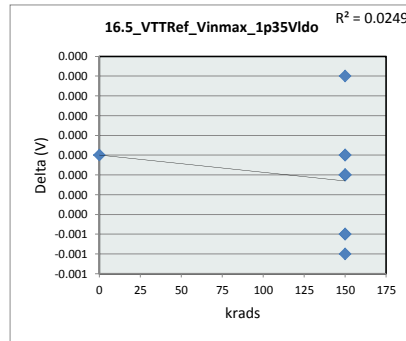


16.4_VTTRef_Vinmin_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.69	V
Min Limit	0.67	V
krads	0	150
LL	0.670	0.670
Min	0.682	0.680
Average	0.682	0.682
Max	0.682	0.684
UL	0.690	0.690

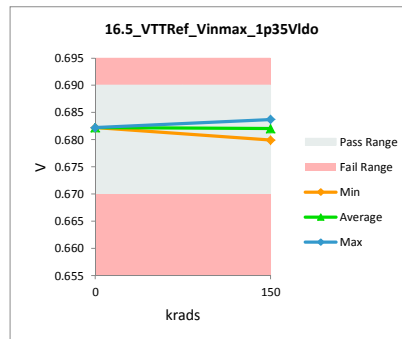


TID 150k HDR Rebound Report
TPS7H3301-SP

16.5_VTTRef_Vinmax_1p35Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.69	0.69		
Min Limit	0.67	0.67		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.682	0.682	0.000
150	116A_Biased	0.682	0.683	0.000
150	117A_Biased	0.681	0.681	0.000
150	36B_biased	0.682	0.682	0.000
150	37B_Biased	0.682	0.683	0.000
150	39C_Biased	0.682	0.682	0.000
150	118A_Unbiased	0.684	0.684	0.000
150	140A_Unbiased	0.682	0.682	0.000
150	38B_Unbiased	0.683	0.683	-0.001
150	39B_Unbiased	0.679	0.680	0.000
150	40C_Unbiased	0.680	0.681	0.000
Max		0.684	0.684	0.000
Average		0.682	0.682	0.000
Min		0.679	0.680	-0.001
Std Dev		0.001	0.001	0.000

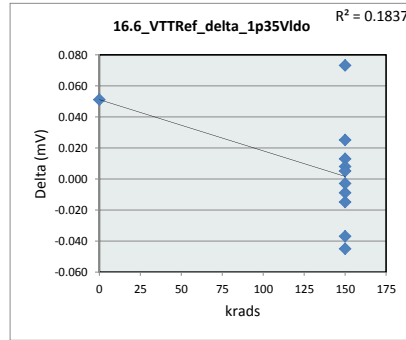


16.5_VTTRef_Vinmax_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.69	V
Min Limit	0.67	V
krads	0	150
LL	0.670	0.670
Min	0.682	0.680
Average	0.682	0.682
Max	0.682	0.684
UL	0.690	0.690

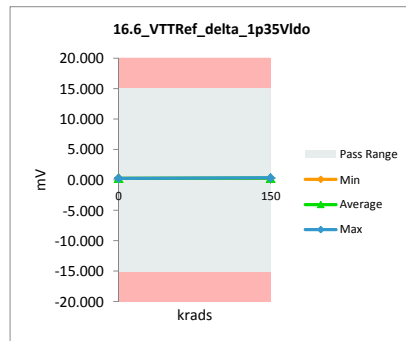


TID 150k HDR Rebound Report
TPS7H3301-SP

16.6_VTTRef_delta_1p35Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.302	0.251	0.051
150	116A_Biased	0.272	0.281	-0.009
150	117A_Biased	0.292	0.337	-0.045
150	36B_biased	0.328	0.315	0.013
150	37B_Biased	0.249	0.286	-0.037
150	39C_Biased	0.376	0.303	0.073
150	118A_Unbiased	0.291	0.266	0.025
150	140A_Unbiased	0.284	0.276	0.008
150	38B_Unbiased	0.288	0.291	-0.003
150	39B_Unbiased	0.253	0.268	-0.015
150	40C_Unbiased	0.282	0.277	0.005
	Max	0.376	0.337	0.073
	Average	0.292	0.286	0.006
	Min	0.249	0.251	-0.045
	Std Dev	0.035	0.024	0.035

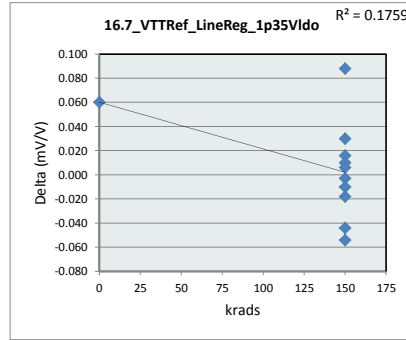


16.6_VTTRef_delta_1p35Vldo		
krads	0	150
LL	-15.000	-15.000
Min	0.251	0.266
Average	0.251	0.290
Max	0.251	0.337
UL	15.000	15.000

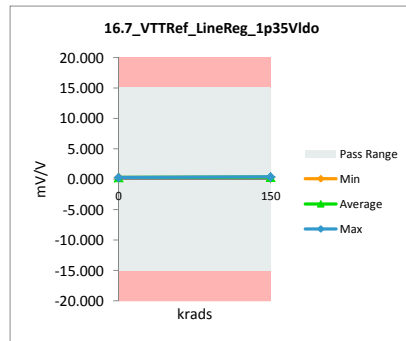


TID 150k HDR Rebound Report
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16.7_VTTRef_LineReg_1p35Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/V	mV/V	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.361	0.301	0.060
150	116A_Biased	0.326	0.336	-0.010
150	117A_Biased	0.350	0.404	-0.054
150	36B_biased	0.393	0.377	0.016
150	37B_Biased	0.298	0.342	-0.044
150	39C_Biased	0.451	0.363	0.088
150	118A_Unbiased	0.348	0.318	0.030
150	140A_Unbiased	0.340	0.330	0.010
150	38B_Unbiased	0.345	0.348	-0.003
150	39B_Unbiased	0.304	0.322	-0.018
150	40C_Unbiased	0.338	0.332	0.006
Max		0.451	0.404	0.088
Average		0.350	0.343	0.007
Min		0.298	0.301	-0.054
Std Dev		0.042	0.029	0.042

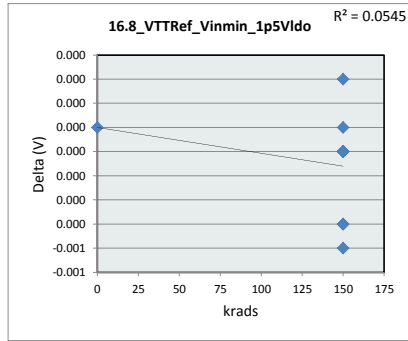


16.7_VTTRef_LineReg_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV/V
Min Limit	-15	mV/V
krads	0	150
LL	-15.000	-15.000
Min	0.301	0.318
Average	0.301	0.347
Max	0.301	0.404
UL	15.000	15.000

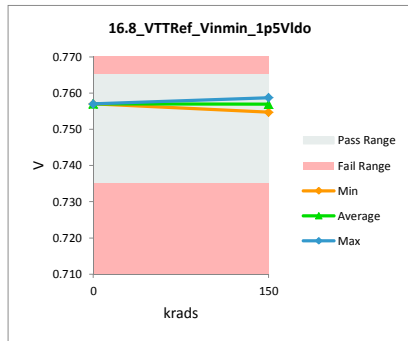


TID 150k HDR Rebound Report
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16.8_VTTRef_Vinmin_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.735	0.735		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.757	0.757	0.000
150	116A_Biased	0.757	0.757	0.000
150	117A_Biased	0.756	0.756	0.000
150	36B_biased	0.757	0.757	0.000
150	37B_Biased	0.757	0.757	0.000
150	39C_Biased	0.757	0.757	0.000
150	118A_Unbiased	0.759	0.759	0.000
150	140A_Unbiased	0.757	0.757	0.000
150	38B_Unbiased	0.758	0.758	-0.001
150	39B_Unbiased	0.754	0.755	0.000
150	40C_Unbiased	0.756	0.756	0.000
Max		0.759	0.759	0.000
Average		0.757	0.757	0.000
Min		0.754	0.755	-0.001
Std Dev		0.001	0.001	0.000

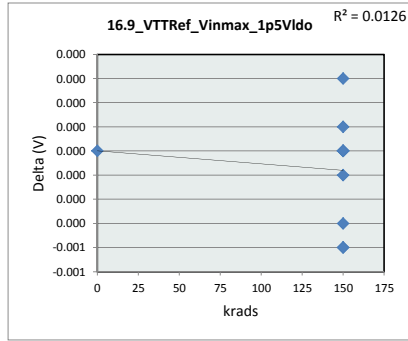


16.8_VTTRef_Vinmin_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.735	V
krads	0	150
LL	0.735	0.735
Min	0.757	0.755
Average	0.757	0.757
Max	0.757	0.759
UL	0.765	0.765

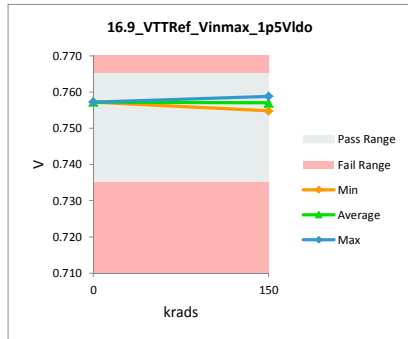


TID 150k HDR Rebound Report
TPS7H3301-SP

16.9_VTTRef_Vinmax_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.735	0.735		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.757	0.757	0.000
150	116A_Biased	0.757	0.757	0.000
150	117A_Biased	0.756	0.756	0.000
150	36B_biased	0.757	0.757	0.000
150	37B_Biased	0.757	0.758	-0.001
150	39C_Biased	0.757	0.757	0.000
150	118A_Unbiased	0.759	0.759	0.000
150	140A_Unbiased	0.757	0.757	0.000
150	38B_Unbiased	0.758	0.758	-0.001
150	39B_Unbiased	0.754	0.755	0.000
150	40C_Unbiased	0.756	0.756	0.000
Max		0.759	0.759	0.000
Average		0.757	0.757	0.000
Min		0.754	0.755	-0.001
Std Dev		0.001	0.001	0.000

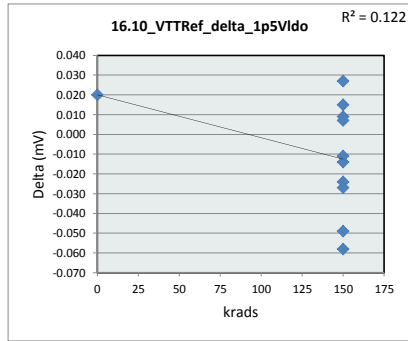


16.9_VTTRef_Vinmax_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.735	V
krads	0	150
LL	0.735	0.735
Min	0.757	0.755
Average	0.757	0.757
Max	0.757	0.759
UL	0.765	0.765

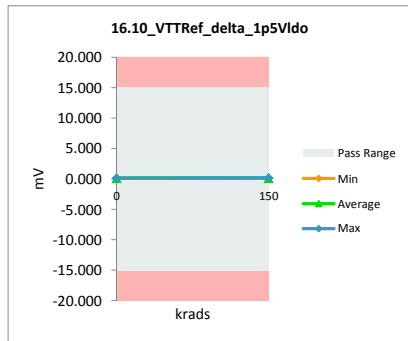


TID 150k HDR Rebound Report
TPS7H3301-SP

16.10_VTTRef_delta_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.144	0.124	0.020
150	116A_Biased	0.112	0.136	-0.024
150	117A_Biased	0.130	0.121	0.009
150	36B_biased	0.126	0.137	-0.011
150	37B_Biased	0.114	0.163	-0.049
150	39C_Biased	0.149	0.122	0.027
150	118A_Unbiased	0.122	0.136	-0.014
150	140A_Unbiased	0.140	0.125	0.015
150	38B_Unbiased	0.150	0.143	0.007
150	39B_Unbiased	0.114	0.172	-0.058
150	40C_Unbiased	0.119	0.146	-0.027
Max		0.150	0.172	0.027
Average		0.129	0.139	-0.010
Min		0.112	0.121	-0.058
Std Dev		0.014	0.017	0.028

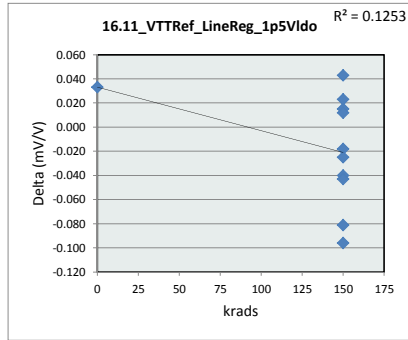


16.10_VTTRef_delta_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	0.124	0.121
Average	0.124	0.140
Max	0.124	0.172
UL	15.000	15.000

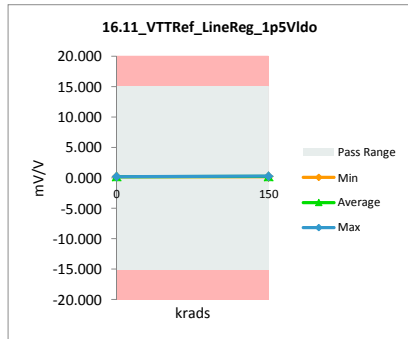


TID 150k HDR Rebound Report
TPS7H3301-SP

16.11_VTTRef_LineReg_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/V	mV/V	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.238	0.205	0.033
150	116A_Biased	0.185	0.225	-0.040
150	117A_Biased	0.214	0.199	0.015
150	36B_biased	0.208	0.226	-0.018
150	37B_Biased	0.188	0.269	-0.081
150	39C_Biased	0.245	0.202	0.043
150	118A_Unbiased	0.200	0.225	-0.025
150	140A_Unbiased	0.230	0.207	0.023
150	38B_Unbiased	0.248	0.236	0.012
150	39B_Unbiased	0.190	0.286	-0.096
150	40C_Unbiased	0.198	0.241	-0.043
	Max	0.248	0.286	0.043
	Average	0.213	0.229	-0.016
	Min	0.185	0.199	-0.096
	Std Dev	0.023	0.028	0.046

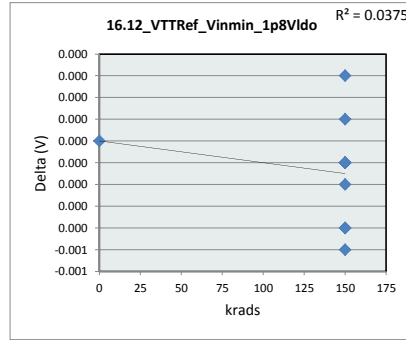


16.11_VTTRef_LineReg_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV/V
Min Limit	-15	mV/V
krads	0	150
LL	-15.000	-15.000
Min	0.205	0.199
Average	0.205	0.232
Max	0.205	0.286
UL	15.000	15.000

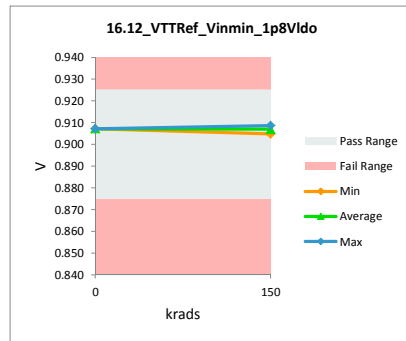


TID 150k HDR Rebound Report
TPS7H3301-SP

16.12_VTTRef_Vinmin_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.925	0.925	
Min Limit		0.875	0.875	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.907	0.907	0.000
150	116A_Biased	0.907	0.908	0.000
150	117A_Biased	0.906	0.906	0.000
150	36B_biased	0.907	0.907	0.000
150	37B_Biased	0.907	0.908	0.000
150	39C_Biased	0.907	0.907	0.000
150	118A_Unbiased	0.909	0.909	0.000
150	140A_Unbiased	0.907	0.907	0.000
150	38B_Unbiased	0.908	0.908	-0.001
150	39B_Unbiased	0.904	0.905	0.000
150	40C_Unbiased	0.905	0.906	0.000
	Max	0.909	0.909	0.000
	Average	0.907	0.907	0.000
	Min	0.904	0.905	-0.001
	Std Dev	0.001	0.001	0.000

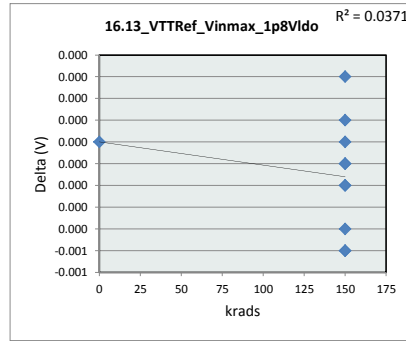


16.12_VTTRef_Vinmin_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.925	V
Min Limit	0.875	V
krads	0	150
LL	0.875	0.875
Min	0.907	0.905
Average	0.907	0.907
Max	0.907	0.909
UL	0.925	0.925

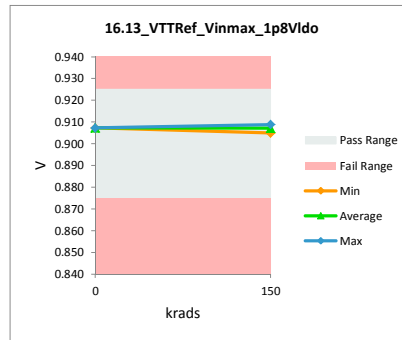


TID 150k HDR Rebound Report
TPS7H3301-SP

16.13_VTTRef_Vinmax_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.925	0.925	
Min Limit		0.875	0.875	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.907	0.907	0.000
150	116A_Biased	0.908	0.908	0.000
150	117A_Biased	0.906	0.906	0.000
150	36B_biased	0.907	0.907	0.000
150	37B_Biased	0.907	0.908	-0.001
150	39C_Biased	0.907	0.907	0.000
150	118A_Unbiased	0.909	0.909	0.000
150	140A_Unbiased	0.907	0.907	0.000
150	38B_Unbiased	0.908	0.909	-0.001
150	39B_Unbiased	0.905	0.905	0.000
150	40C_Unbiased	0.906	0.906	0.000
	Max	0.909	0.909	0.000
	Average	0.907	0.907	0.000
	Min	0.905	0.905	-0.001
	Std Dev	0.001	0.001	0.000

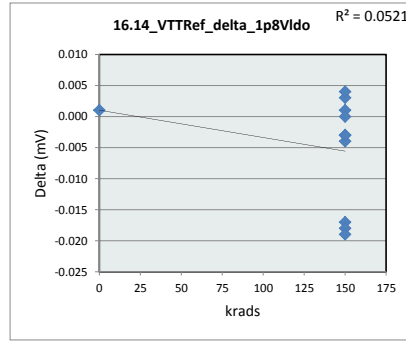


16.13_VTTRef_Vinmax_1p8Vldo			
Test Site		Dallas, Tx	
Tester		ETS	
Test Number		EF636800	
Max Limit		0.925	V
Min Limit		0.875	V
krads		0	150
LL		0.875	0.875
Min		0.907	0.905
Average		0.907	0.907
Max		0.907	0.909
UL		0.925	0.925

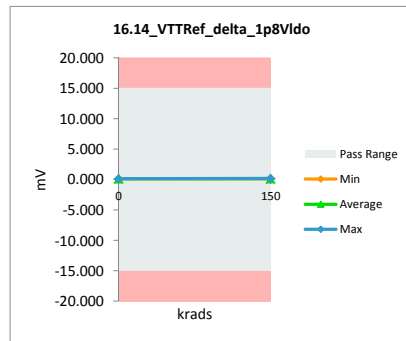


TID 150k HDR Rebound Report
TPS7H3301-SP

16.14_VTTRef_delta_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.129	0.128	0.001
150	116A_Biased	0.124	0.128	-0.004
150	117A_Biased	0.143	0.140	0.003
150	36B_biased	0.146	0.163	-0.017
150	37B_Biased	0.118	0.136	-0.018
150	39C_Biased	0.178	0.181	-0.003
150	118A_Unbiased	0.136	0.132	0.004
150	140A_Unbiased	0.121	0.140	-0.019
150	38B_Unbiased	0.143	0.142	0.001
150	39B_Unbiased	0.126	0.126	0.000
150	40C_Unbiased	0.122	0.125	-0.003
Max		0.178	0.181	0.004
Average		0.135	0.140	-0.005
Min		0.118	0.125	-0.019
Std Dev		0.017	0.017	0.009

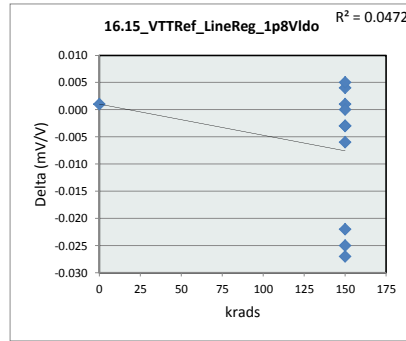


16.14_VTTRef_delta_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	0.128	0.125
Average	0.128	0.141
Max	0.128	0.181
UL	15.000	15.000

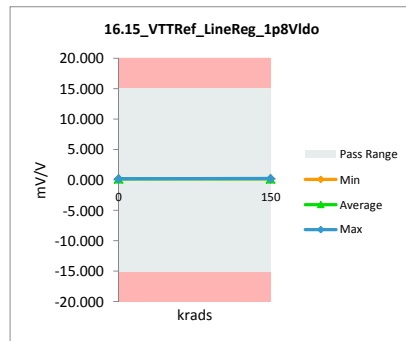


TID 150k HDR Rebound Report
TPS7H3301-SP

16.15_VTTRef_LineReg_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/V	mV/V	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.177	0.176	0.001
150	116A_Biased	0.171	0.177	-0.006
150	117A_Biased	0.198	0.194	0.004
150	36B_biased	0.202	0.224	-0.022
150	37B_Biased	0.163	0.188	-0.025
150	39C_Biased	0.246	0.249	-0.003
150	118A_Unbiased	0.186	0.181	0.005
150	140A_Unbiased	0.167	0.194	-0.027
150	38B_Unbiased	0.196	0.195	0.001
150	39B_Unbiased	0.174	0.174	0.000
150	40C_Unbiased	0.169	0.172	-0.003
	Max	0.246	0.249	0.005
	Average	0.186	0.193	-0.007
	Min	0.163	0.172	-0.027
	Std Dev	0.024	0.024	0.012

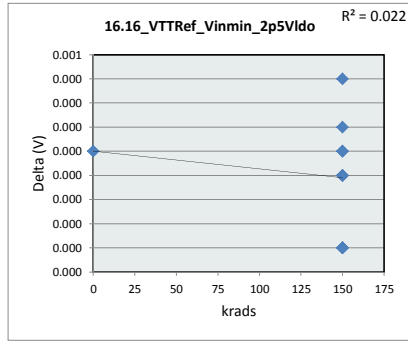


16.15_VTTRef_LineReg_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV/V
Min Limit	-15	mV/V
krads	0	150
LL	-15.000	-15.000
Min	0.176	0.172
Average	0.176	0.195
Max	0.176	0.249
UL	15.000	15.000

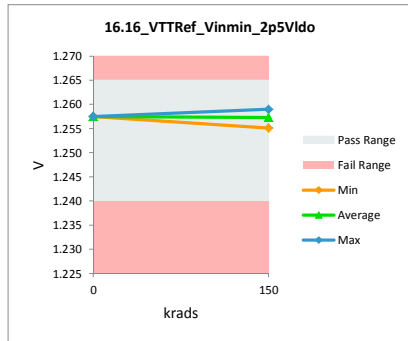


TID 150k HDR Rebound Report
TPS7H3301-SP

16.16_VTTRef_Vinmin_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.265	1.265		
Min Limit	1.24	1.24		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.258	1.258	0.000
150	116A_Biased	1.258	1.258	0.000
150	117A_Biased	1.257	1.257	0.000
150	36B_biased	1.257	1.257	0.000
150	37B_Biased	1.258	1.258	0.000
150	39C_Biased	1.257	1.257	0.000
150	118A_Unbiased	1.259	1.259	0.000
150	140A_Unbiased	1.258	1.257	0.000
150	38B_Unbiased	1.258	1.259	0.000
150	39B_Unbiased	1.255	1.255	0.000
150	40C_Unbiased	1.256	1.256	0.000
	Max	1.259	1.259	0.000
	Average	1.257	1.257	0.000
	Min	1.255	1.255	0.000
	Std Dev	0.001	0.001	0.000

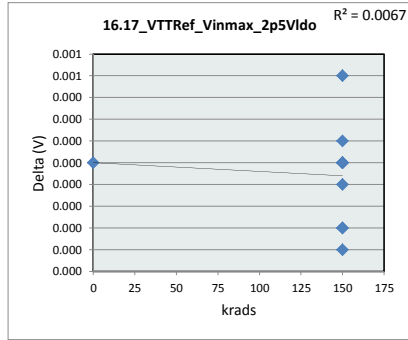


16.16_VTTRef_Vinmin_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.265	V
Min Limit	1.24	V
krads	0	150
LL	1.240	1.240
Min	1.258	1.255
Average	1.258	1.257
Max	1.258	1.259
UL	1.265	1.265

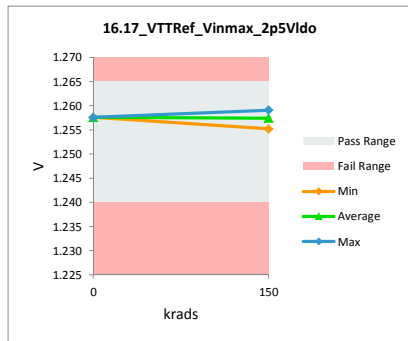


TID 150k HDR Rebound Report
TPS7H3301-SP

16.17_VTTRef_Vinmax_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.265	1.265	
Min Limit		1.24	1.24	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.258	1.258	0.000
150	116A_Biased	1.258	1.258	0.000
150	117A_Biased	1.257	1.257	0.000
150	36B_biased	1.257	1.257	0.000
150	37B_Biased	1.258	1.258	0.000
150	39C_Biased	1.257	1.257	0.000
150	118A_Unbiased	1.260	1.259	0.001
150	140A_Unbiased	1.258	1.258	0.000
150	38B_Unbiased	1.259	1.259	0.000
150	39B_Unbiased	1.255	1.255	0.000
150	40C_Unbiased	1.256	1.256	0.000
	Max	1.260	1.259	0.001
	Average	1.257	1.257	0.000
	Min	1.255	1.255	0.000
	Std Dev	0.001	0.001	0.000

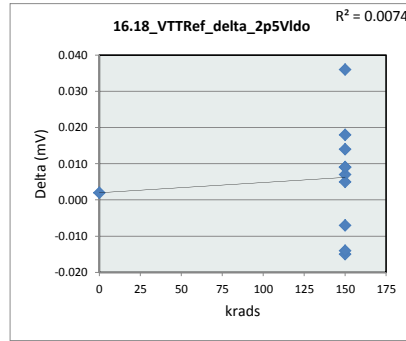


16.17_VTTRef_Vinmax_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.265	V
Min Limit	1.24	V
krads	0	150
LL	1.240	1.240
Min	1.258	1.255
Average	1.258	1.257
Max	1.258	1.259
UL	1.265	1.265

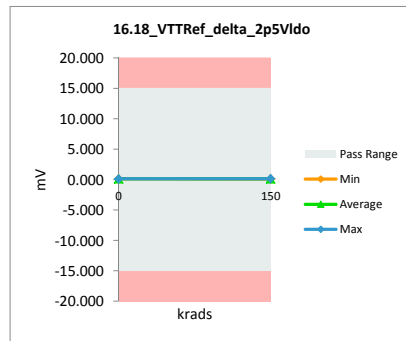


TID 150k HDR Rebound Report
TPS7H3301-SP

16.18_VTTRef_delta_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.122	0.120	0.002
150	116A_Biased	0.106	0.121	-0.015
150	117A_Biased	0.144	0.137	0.007
150	36B_biased	0.142	0.156	-0.014
150	37B_Biased	0.120	0.115	0.005
150	39C_Biased	0.171	0.162	0.009
150	118A_Unbiased	0.138	0.129	0.009
150	140A_Unbiased	0.143	0.125	0.018
150	38B_Unbiased	0.145	0.131	0.014
150	39B_Unbiased	0.123	0.130	-0.007
150	40C_Unbiased	0.134	0.098	0.036
Max		0.171	0.162	0.036
Average		0.135	0.129	0.006
Min		0.106	0.098	-0.015
Std Dev		0.017	0.018	0.015

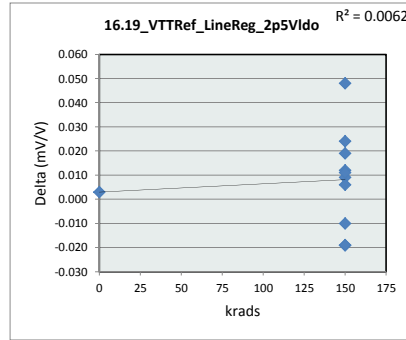


16.18_VTTRef_delta_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	0.120	0.098
Average	0.120	0.130
Max	0.120	0.162
UL	15.000	15.000

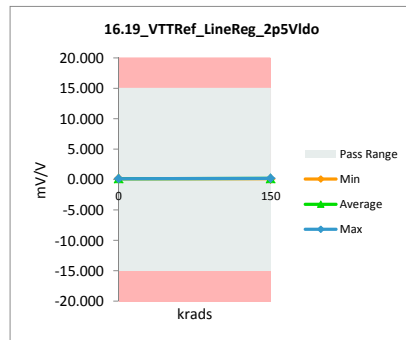


TID 150k HDR Rebound Report
TPS7H3301-SP

16.19_VTTRef_LineReg_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/V	mV/V	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.162	0.159	0.003
150	116A_Biased	0.141	0.160	-0.019
150	117A_Biased	0.191	0.182	0.009
150	36B_biased	0.188	0.207	-0.019
150	37B_Biased	0.159	0.153	0.006
150	39C_Biased	0.226	0.214	0.012
150	118A_Unbiased	0.182	0.171	0.011
150	140A_Unbiased	0.190	0.166	0.024
150	38B_Unbiased	0.192	0.173	0.019
150	39B_Unbiased	0.163	0.173	-0.010
150	40C_Unbiased	0.178	0.130	0.048
	Max	0.226	0.214	0.048
	Average	0.179	0.172	0.008
	Min	0.141	0.130	-0.019
	Std Dev	0.023	0.024	0.020

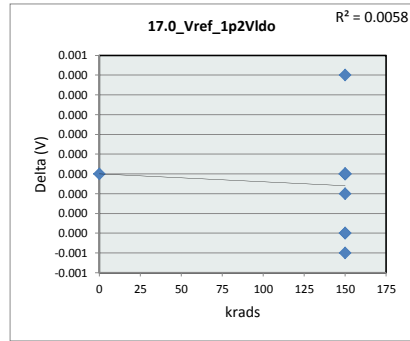


16.19_VTTRef_LineReg_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV/V
Min Limit	-15	mV/V
krads	0	150
LL	-15.000	-15.000
Min	0.159	0.130
Average	0.159	0.173
Max	0.159	0.214
UL	15.000	15.000

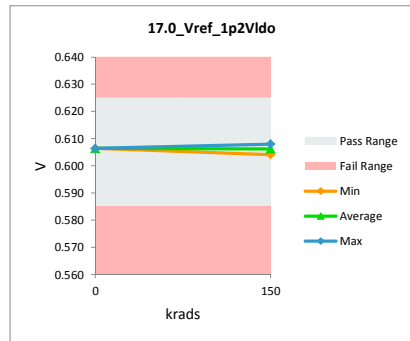


TID 150k HDR Rebound Report
TPS7H3301-SP

17.0_Vref_1p2Vldo				
Test Site	Dallas, Tx		Dallas, Tx	
Tester	ETS		ETS	
Test Number	EF636800		EF636800	
Unit	V		V	
Max Limit	0.625		0.625	
Min Limit	0.585		0.585	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.606	0.606	0.000
150	116A_Biased	0.607	0.607	0.000
150	117A_Biased	0.605	0.606	0.000
150	36B_biased	0.606	0.606	0.000
150	37B_Biased	0.607	0.607	0.000
150	39C_Biased	0.606	0.606	0.000
150	118A_Unbiased	0.608	0.608	0.000
150	140A_Unbiased	0.606	0.606	0.000
150	38B_Unbiased	0.607	0.608	0.000
150	39B_Unbiased	0.604	0.604	0.000
150	40C_Unbiased	0.605	0.605	0.000
Max		0.608	0.608	0.000
Average		0.606	0.606	0.000
Min		0.604	0.604	0.000
Std Dev		0.001	0.001	0.000

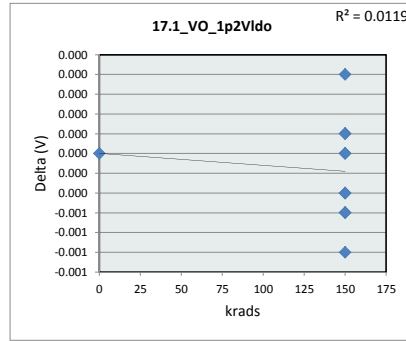


17.0_Vref_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.625	V
Min Limit	0.585	V
krads	0	150
LL	0.585	0.585
Min	0.606	0.604
Average	0.606	0.606
Max	0.606	0.608
UL	0.625	0.625

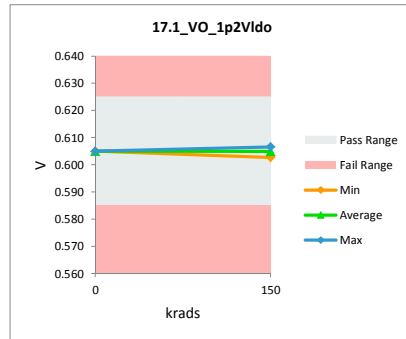


TID 150k HDR Rebound Report
TPS7H3301-SP

17.1_VO_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.605	0.605	0.000
150	116A_Biased	0.605	0.605	0.000
150	117A_Biased	0.604	0.604	0.000
150	36B_biased	0.604	0.605	0.000
150	37B_Biased	0.605	0.605	0.000
150	39C_Biased	0.604	0.605	0.000
150	118A_Unbiased	0.607	0.607	0.000
150	140A_Unbiased	0.605	0.605	0.000
150	38B_Unbiased	0.606	0.606	0.000
150	39B_Unbiased	0.602	0.603	-0.001
150	40C_Unbiased	0.604	0.604	0.000
	Max	0.607	0.607	0.000
	Average	0.605	0.605	0.000
	Min	0.602	0.603	-0.001
	Std Dev	0.001	0.001	0.000

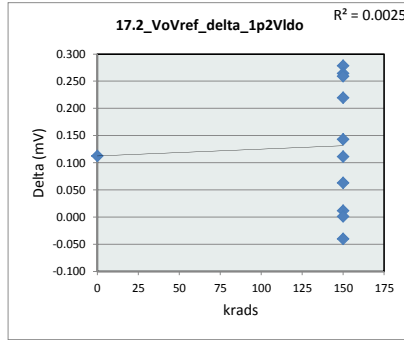


17.1_VO_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.625	V
Min Limit	0.585	V
krads	0	150
LL	0.585	0.585
Min	0.605	0.603
Average	0.605	0.605
Max	0.605	0.607
UL	0.625	0.625

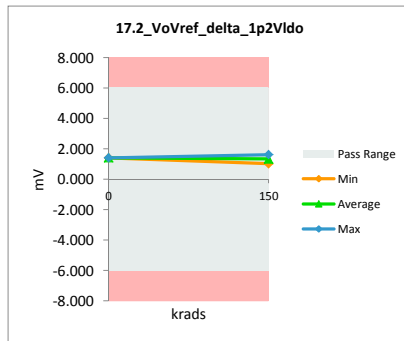


TID 150k HDR Rebound Report
TPS7H3301-SP

17.2_VoVref_delta_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.525	1.413	0.112
150	116A_Biased	1.280	1.268	0.012
150	117A_Biased	1.584	1.623	-0.040
150	36B_biased	1.489	1.346	0.143
150	37B_Biased	1.467	1.404	0.063
150	39C_Biased	1.625	1.405	0.220
150	118A_Unbiased	1.625	1.346	0.279
150	140A_Unbiased	1.287	1.175	0.111
150	38B_Unbiased	1.369	1.368	0.001
150	39B_Unbiased	1.691	1.427	0.265
150	40C_Unbiased	1.277	1.018	0.259
Max		1.691	1.623	0.279
Average		1.474	1.345	0.130
Min		1.277	1.018	-0.040
Std Dev		0.152	0.154	0.114

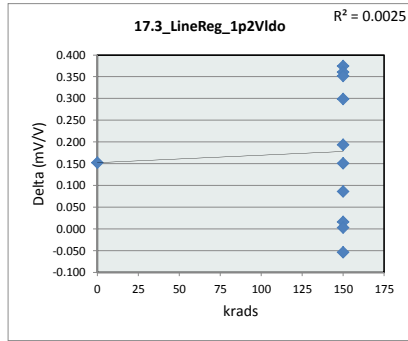


17.2_VoVref_delta_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV
Min Limit	-6	mV
krads	0	150
LL	-6.000	-6.000
Min	1.413	1.018
Average	1.413	1.338
Max	1.413	1.624
UL	6.000	6.000

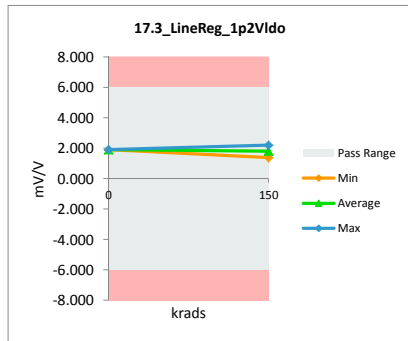


TID 150k HDR Rebound Report
TPS7H3301-SP

17.3_LineReg_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.059	1.906	0.152
150	116A_Biased	1.726	1.710	0.016
150	117A_Biased	2.141	2.194	-0.054
150	36B_biased	2.011	1.818	0.194
150	37B_Biased	1.980	1.893	0.086
150	39C_Biased	2.195	1.897	0.298
150	118A_Unbiased	2.186	1.812	0.374
150	140A_Unbiased	1.736	1.586	0.151
150	38B_Unbiased	1.845	1.842	0.003
150	39B_Unbiased	2.293	1.933	0.361
150	40C_Unbiased	1.728	1.376	0.352
Max		2.293	2.194	0.374
Average		1.991	1.815	0.176
Min		1.726	1.376	-0.054
Std Dev		0.206	0.209	0.154

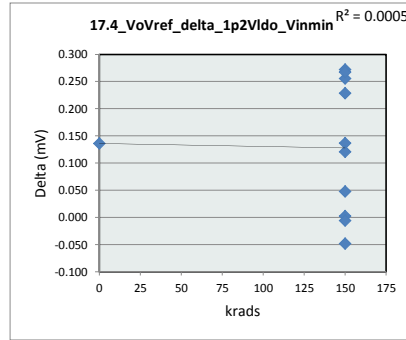


17.3_LineReg_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV/V
Min Limit	-6	mV/V
krads	0	150
LL	-6.000	-6.000
Min	1.906	1.376
Average	1.906	1.806
Max	1.906	2.194
UL	6.000	6.000

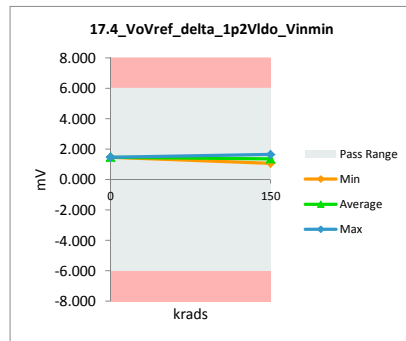


TID 150k HDR Rebound Report
TPS7H3301-SP

17.4_VoVref_delta_1p2Vldo_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.613	1.477	0.136
150	116A_Biased	1.305	1.302	0.002
150	117A_Biased	1.600	1.648	-0.048
150	36B_biased	1.478	1.342	0.136
150	37B_Biased	1.479	1.431	0.048
150	39C_Biased	1.679	1.423	0.256
150	118A_Unbiased	1.629	1.357	0.272
150	140A_Unbiased	1.352	1.231	0.121
150	38B_Unbiased	1.414	1.420	-0.006
150	39B_Unbiased	1.677	1.448	0.229
150	40C_Unbiased	1.337	1.069	0.267
Max		1.679	1.648	0.272
Average		1.506	1.377	0.128
Min		1.305	1.069	-0.048
Std Dev		0.141	0.148	0.117

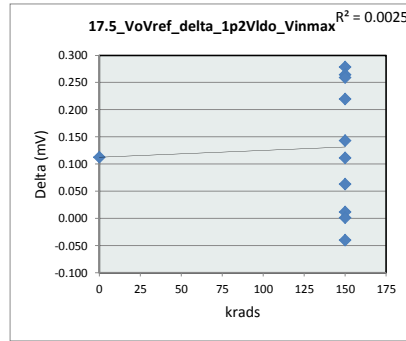


17.4_VoVref_delta_1p2Vldo_V		
krads	0	150
LL	-6.000	-6.000
Min	1.477	1.069
Average	1.477	1.367
Max	1.477	1.648
UL	6.000	6.000

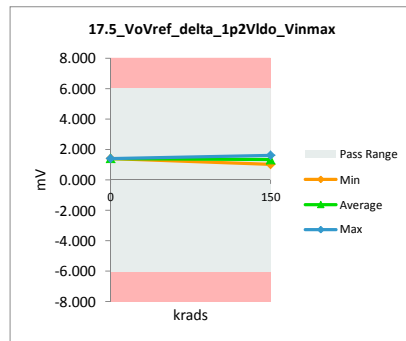


TID 150k HDR Rebound Report
TPS7H3301-SP

17.5_VoVref_delta_1p2Vldo_Vinmax				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		6	6	
Min Limit		-6	-6	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.525	1.413	0.112
150	116A_Biased	1.280	1.268	0.012
150	117A_Biased	1.584	1.623	-0.040
150	36B_biased	1.489	1.346	0.143
150	37B_Biased	1.467	1.404	0.063
150	39C_Biased	1.625	1.405	0.220
150	118A_Unbiased	1.625	1.346	0.279
150	140A_Unbiased	1.287	1.175	0.111
150	38B_Unbiased	1.369	1.368	0.001
150	39B_Unbiased	1.691	1.427	0.265
150	40C_Unbiased	1.277	1.018	0.259
Max		1.691	1.623	0.279
Average		1.474	1.345	0.130
Min		1.277	1.018	-0.040
Std Dev		0.152	0.154	0.114

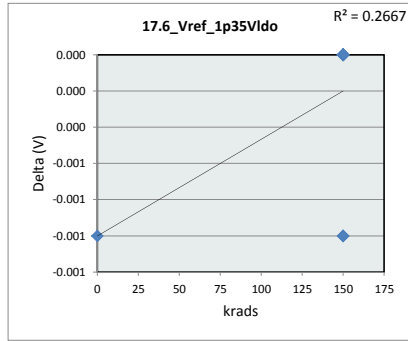


17.5_VoVref_delta_1p2Vldo_V		
Test Site		Dallas, Tx
Tester		ETS
Test Number		EF636800
Max Limit		6 mV
Min Limit		-6 mV
krads	0	150
LL	-6.000	-6.000
Min	1.413	1.018
Average	1.413	1.338
Max	1.413	1.624
UL	6.000	6.000

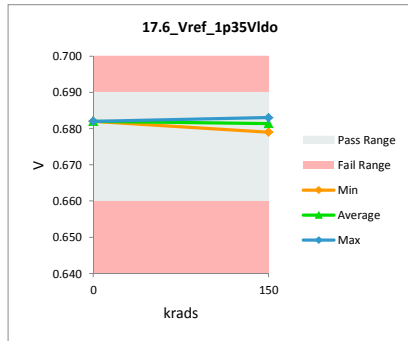


TID 150k HDR Rebound Report
TPS7H3301-SP

17.6_Vref_1p35Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.69	0.69		
Min Limit	0.66	0.66		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.681	0.682	-0.001
150	116A_Biased	0.682	0.682	0.000
150	117A_Biased	0.681	0.681	0.000
150	36B_biased	0.681	0.681	0.000
150	37B_Biased	0.682	0.682	0.000
150	39C_Biased	0.681	0.681	0.000
150	118A_Unbiased	0.683	0.683	0.000
150	140A_Unbiased	0.681	0.682	-0.001
150	38B_Unbiased	0.682	0.683	-0.001
150	39B_Unbiased	0.679	0.679	0.000
150	40C_Unbiased	0.680	0.680	0.000
Max		0.683	0.683	0.000
Average		0.681	0.681	0.000
Min		0.679	0.679	-0.001
Std Dev		0.001	0.001	0.000

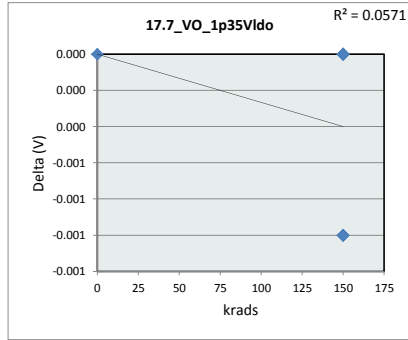


17.6_Vref_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.69	V
Min Limit	0.66	V
krads	0	150
LL	0.660	0.660
Min	0.682	0.679
Average	0.682	0.681
Max	0.682	0.683
UL	0.690	0.690

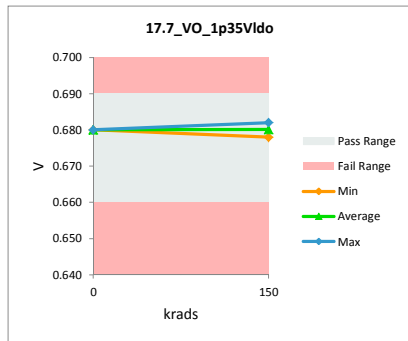


TID 150k HDR Rebound Report
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17.7_VO_1p35Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.69	0.69		
Min Limit	0.66	0.66		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.680	0.680	0.000
150	116A_Biased	0.680	0.681	-0.001
150	117A_Biased	0.679	0.679	0.000
150	36B_biased	0.680	0.680	0.000
150	37B_Biased	0.680	0.681	-0.001
150	39C_Biased	0.679	0.680	-0.001
150	118A_Unbiased	0.682	0.682	0.000
150	140A_Unbiased	0.680	0.680	0.000
150	38B_Unbiased	0.681	0.681	0.000
150	39B_Unbiased	0.677	0.678	-0.001
150	40C_Unbiased	0.679	0.679	0.000
Max		0.682	0.682	0.000
Average		0.680	0.680	0.000
Min		0.677	0.678	-0.001
Std Dev		0.001	0.001	0.001

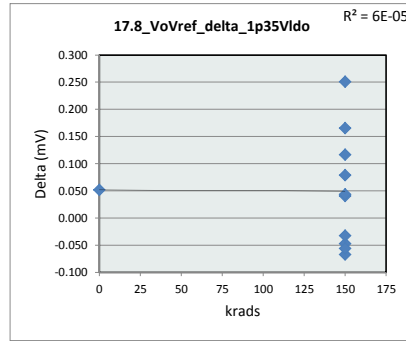


17.7_VO_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.69	V
Min Limit	0.66	V
krads	0	150
LL	0.660	0.660
Min	0.680	0.678
Average	0.680	0.680
Max	0.680	0.682
UL	0.690	0.690

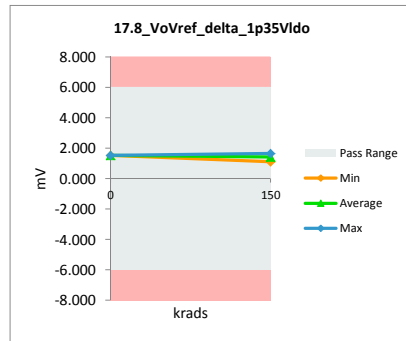


TID 150k HDR Rebound Report
TPS7H3301-SP

17.8_VoVref_delta_1p35Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.581	1.530	0.052
150	116A_Biased	1.313	1.360	-0.047
150	117A_Biased	1.580	1.648	-0.067
150	36B_biased	1.430	1.351	0.079
150	37B_Biased	1.482	1.515	-0.033
150	39C_Biased	1.600	1.434	0.166
150	118A_Unbiased	1.467	1.427	0.041
150	140A_Unbiased	1.324	1.280	0.043
150	38B_Unbiased	1.404	1.460	-0.056
150	39B_Unbiased	1.690	1.574	0.117
150	40C_Unbiased	1.353	1.103	0.251
	Max	1.690	1.648	0.251
	Average	1.475	1.426	0.050
	Min	1.313	1.103	-0.067
	Std Dev	0.125	0.150	0.100

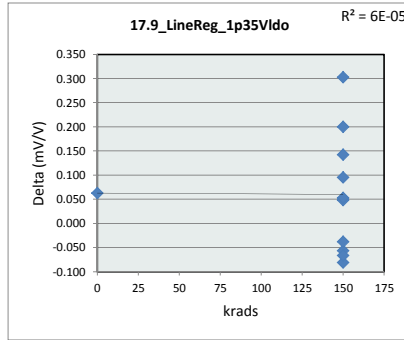


17.8_VoVref_delta_1p35Vldo		
krads	0	150
LL	-6.000	-6.000
Min	1.530	1.103
Average	1.530	1.415
Max	1.530	1.648
UL	6.000	6.000

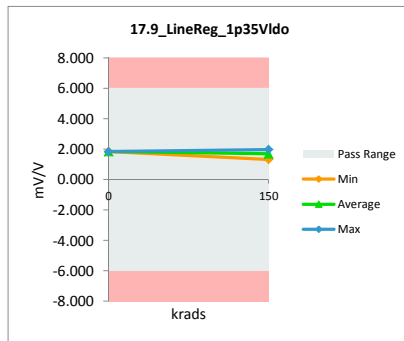


TID 150k HDR Rebound Report
TPS7H3301-SP

17.9_LineReg_1p35VIdo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/V	mV/V	
Max Limit		6	6	
Min Limit		-6	-6	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.899	1.836	0.063
150	116A_Biased	1.575	1.631	-0.056
150	117A_Biased	1.900	1.981	-0.081
150	36B_biased	1.718	1.623	0.095
150	37B_Biased	1.779	1.817	-0.038
150	39C_Biased	1.923	1.722	0.200
150	118A_Unbiased	1.757	1.708	0.048
150	140A_Unbiased	1.589	1.537	0.053
150	38B_Unbiased	1.684	1.750	-0.066
150	39B_Unbiased	2.038	1.896	0.142
150	40C_Unbiased	1.628	1.326	0.302
	Max	2.038	1.981	0.302
	Average	1.772	1.712	0.060
	Min	1.575	1.326	-0.081
	Std Dev	0.152	0.181	0.121

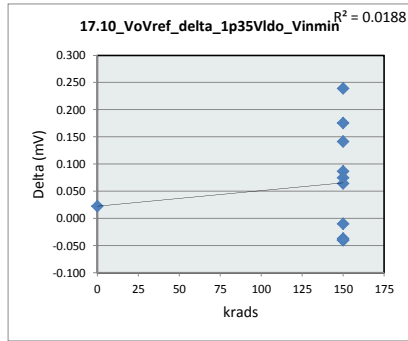


17.9_LineReg_1p35VIdo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV/V
Min Limit	-6	mV/V
krads	0	150
LL	-6.000	-6.000
Min	1.836	1.326
Average	1.836	1.699
Max	1.836	1.981
UL	6.000	6.000

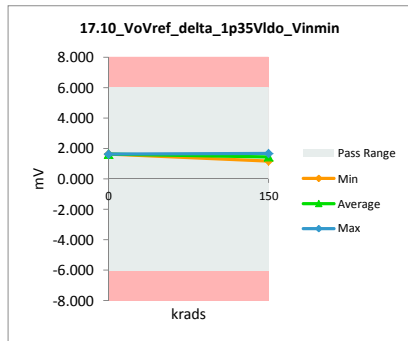


TID 150k HDR Rebound Report
TPS7H3301-SP

17.10_VoVref_delta_1p35Vldo_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		6	6	
Min Limit		-6	-6	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.649	1.627	0.023
150	116A_Biased	1.364	1.404	-0.040
150	117A_Biased	1.640	1.677	-0.037
150	36B_biased	1.446	1.360	0.087
150	37B_Biased	1.523	1.533	-0.010
150	39C_Biased	1.670	1.494	0.176
150	118A_Unbiased	1.516	1.441	0.075
150	140A_Unbiased	1.423	1.359	0.064
150	38B_Unbiased	1.475	1.516	-0.040
150	39B_Unbiased	1.704	1.563	0.142
150	40C_Unbiased	1.421	1.183	0.239
Max		1.704	1.677	0.239
Average		1.530	1.469	0.062
Min		1.364	1.183	-0.040
Std Dev		0.117	0.140	0.094

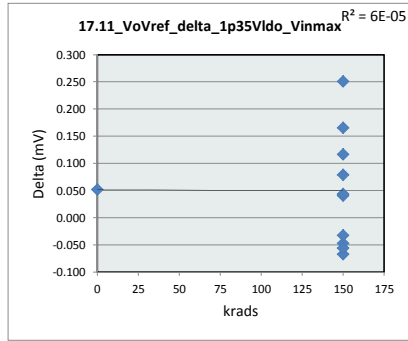


17.10_VoVref_delta_1p35Vldo_Vinmin		
Test Site		Dallas, Tx
Tester		ETS
Test Number		EF636800
Max Limit		6 mV
Min Limit		-6 mV
krads	0	150
LL	-6.000	-6.000
Min	1.627	1.183
Average	1.627	1.453
Max	1.627	1.677
UL	6.000	6.000

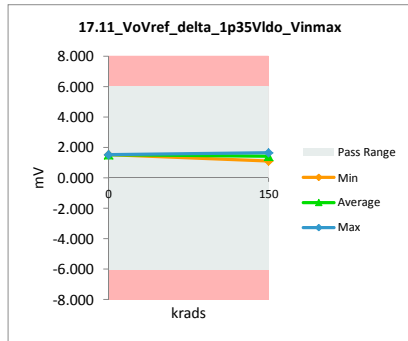


TID 150k HDR Rebound Report
TPS7H3301-SP

17.11_VoVref_delta_1p35Vldo_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.581	1.530	0.052
150	116A_Biased	1.313	1.360	-0.047
150	117A_Biased	1.580	1.648	-0.067
150	36B_biased	1.430	1.351	0.079
150	37B_Biased	1.482	1.515	-0.033
150	39C_Biased	1.600	1.434	0.166
150	118A_Unbiased	1.467	1.427	0.041
150	140A_Unbiased	1.324	1.280	0.043
150	38B_Unbiased	1.404	1.460	-0.056
150	39B_Unbiased	1.690	1.574	0.117
150	40C_Unbiased	1.353	1.103	0.251
	Max	1.690	1.648	0.251
	Average	1.475	1.426	0.050
	Min	1.313	1.103	-0.067
	Std Dev	0.125	0.150	0.100

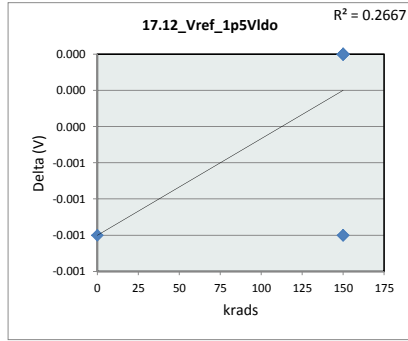


17.11_VoVref_delta_1p35Vldo_Vinmax		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV
Min Limit	-6	mV
krads	0	150
LL	-6.000	-6.000
Min	1.530	1.103
Average	1.530	1.415
Max	1.530	1.648
UL	6.000	6.000

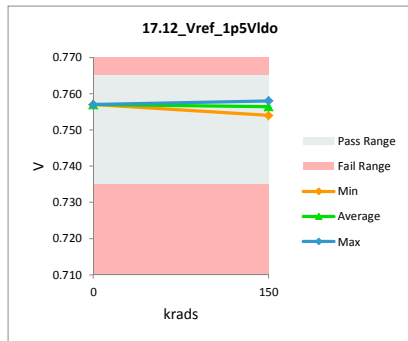


TID 150k HDR Rebound Report
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17.12_Vref_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.735	0.735		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.756	0.757	-0.001
150	116A_Biased	0.757	0.757	0.000
150	117A_Biased	0.756	0.756	0.000
150	36B_biased	0.756	0.756	0.000
150	37B_Biased	0.757	0.757	0.000
150	39C_Biased	0.756	0.756	0.000
150	118A_Unbiased	0.758	0.758	0.000
150	140A_Unbiased	0.756	0.757	-0.001
150	38B_Unbiased	0.757	0.758	-0.001
150	39B_Unbiased	0.754	0.754	0.000
150	40C_Unbiased	0.755	0.755	0.000
Max		0.758	0.758	0.000
Average		0.756	0.756	0.000
Min		0.754	0.754	-0.001
Std Dev		0.001	0.001	0.000

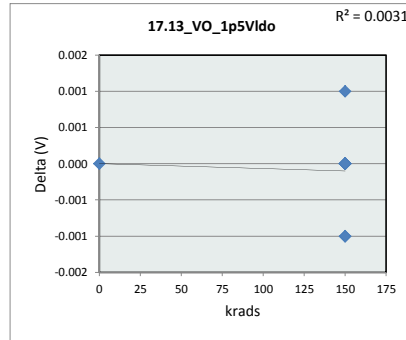


17.12_Vref_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.735	V
krads	0	150
LL	0.735	0.735
Min	0.757	0.754
Average	0.757	0.756
Max	0.757	0.758
UL	0.765	0.765

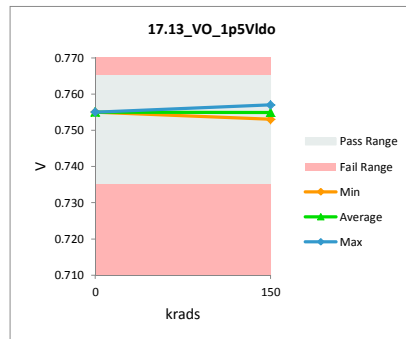


TID 150k HDR Rebound Report
TPS7H3301-SP

17.13_VO_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.735	0.735		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.755	0.755	0.000
150	116A_Biased	0.756	0.755	0.001
150	117A_Biased	0.754	0.754	0.000
150	36B_biased	0.755	0.755	0.000
150	37B_Biased	0.755	0.755	0.000
150	39C_Biased	0.754	0.755	-0.001
150	118A_Unbiased	0.757	0.757	0.000
150	140A_Unbiased	0.755	0.755	0.000
150	38B_Unbiased	0.756	0.756	0.000
150	39B_Unbiased	0.752	0.753	-0.001
150	40C_Unbiased	0.754	0.754	0.000
Max		0.757	0.757	0.001
Average		0.755	0.755	0.000
Min		0.752	0.753	-0.001
Std Dev		0.001	0.001	0.001

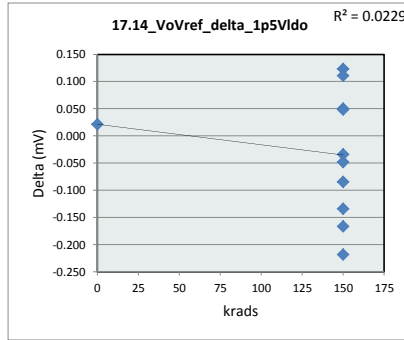


17.13_VO_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.735	V
krads	0	150
LL	0.735	0.735
Min	0.755	0.753
Average	0.755	0.755
Max	0.755	0.757
UL	0.765	0.765

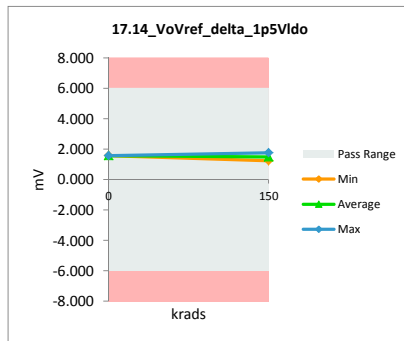


TID 150k HDR Rebound Report
TPS7H3301-SP

17.14_VoVref_delta_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.597	1.576	0.021
150	116A_Biased	1.237	1.371	-0.134
150	117A_Biased	1.601	1.768	-0.167
150	36B_biased	1.465	1.499	-0.034
150	37B_Biased	1.421	1.506	-0.084
150	39C_Biased	1.621	1.571	0.050
150	118A_Unbiased	1.499	1.547	-0.048
150	140A_Unbiased	1.367	1.318	0.048
150	38B_Unbiased	1.366	1.585	-0.219
150	39B_Unbiased	1.669	1.546	0.123
150	40C_Unbiased	1.353	1.242	0.111
Max		1.669	1.768	0.123
Average		1.472	1.503	-0.030
Min		1.237	1.242	-0.219
Std Dev		0.137	0.145	0.113

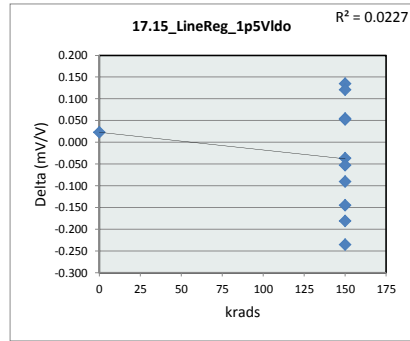


17.14_VoVref_delta_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV
Min Limit	-6	mV
krads	0	150
LL	-6.000	-6.000
Min	1.576	1.242
Average	1.576	1.495
Max	1.576	1.768
UL	6.000	6.000

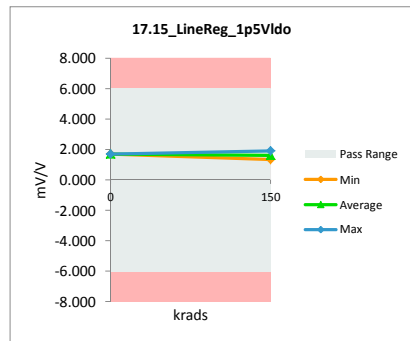


TID 150k HDR Rebound Report
TPS7H3301-SP

17.15_LineReg_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/V	mV/V	
Max Limit		6	6	
Min Limit		-6	-6	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.727	1.704	0.023
150	116A_Biased	1.337	1.482	-0.145
150	117A_Biased	1.734	1.914	-0.181
150	36B_biased	1.585	1.621	-0.037
150	37B_Biased	1.537	1.627	-0.091
150	39C_Biased	1.754	1.699	0.055
150	118A_Unbiased	1.617	1.670	-0.053
150	140A_Unbiased	1.478	1.425	0.052
150	38B_Unbiased	1.476	1.711	-0.235
150	39B_Unbiased	1.811	1.677	0.135
150	40C_Unbiased	1.466	1.345	0.121
	Max	1.811	1.914	0.135
	Average	1.593	1.625	-0.032
	Min	1.337	1.345	-0.235
	Std Dev	0.150	0.157	0.122

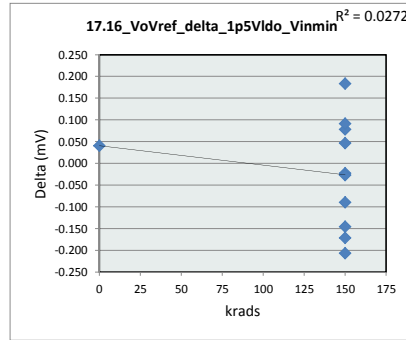


17.15_LineReg_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV/V
Min Limit	-6	mV/V
krads	0	150
LL	-6.000	-6.000
Min	1.704	1.345
Average	1.704	1.617
Max	1.704	1.914
UL	6.000	6.000

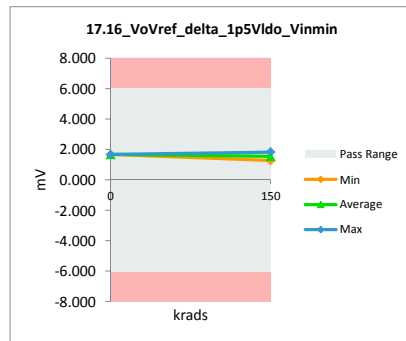


TID 150k HDR Rebound Report
TPS7H3301-SP

17.16_VoVref_delta_1p5VIdo_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		6	6	
Min Limit		-6	-6	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.711	1.670	0.041
150	116A_Biased	1.307	1.453	-0.145
150	117A_Biased	1.664	1.835	-0.171
150	36B_biased	1.490	1.513	-0.023
150	37B_Biased	1.466	1.555	-0.089
150	39C_Biased	1.671	1.624	0.047
150	118A_Unbiased	1.527	1.554	-0.027
150	140A_Unbiased	1.507	1.429	0.078
150	38B_Unbiased	1.425	1.632	-0.207
150	39B_Unbiased	1.680	1.589	0.092
150	40C_Unbiased	1.457	1.274	0.183
	Max	1.711	1.835	0.183
	Average	1.537	1.557	-0.020
	Min	1.307	1.274	-0.207
	Std Dev	0.128	0.145	0.122

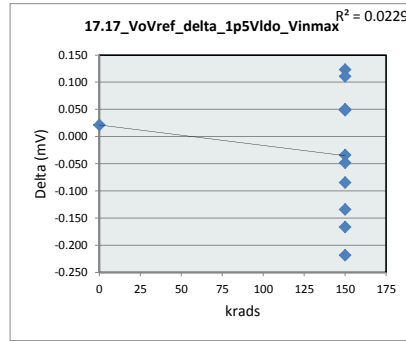


17.16_VoVref_delta_1p5VIdo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV
Min Limit	-6	mV
krads	0	150
LL	-6.000	-6.000
Min	1.670	1.274
Average	1.670	1.546
Max	1.670	1.835
UL	6.000	6.000

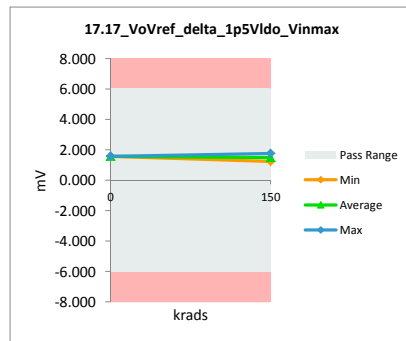


TID 150k HDR Rebound Report
TPS7H3301-SP

17.17_VoVref_delta_1p5VIdo_Vinm				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.597	1.576	0.021
150	116A_Biased	1.237	1.371	-0.134
150	117A_Biased	1.601	1.768	-0.167
150	36B_biased	1.465	1.499	-0.034
150	37B_Biased	1.421	1.506	-0.084
150	39C_Biased	1.621	1.571	0.050
150	118A_Unbiased	1.499	1.547	-0.048
150	140A_Unbiased	1.367	1.318	0.048
150	38B_Unbiased	1.366	1.585	-0.219
150	39B_Unbiased	1.669	1.546	0.123
150	40C_Unbiased	1.353	1.242	0.111
	Max	1.669	1.768	0.123
	Average	1.472	1.503	-0.030
	Min	1.237	1.242	-0.219
	Std Dev	0.137	0.145	0.113



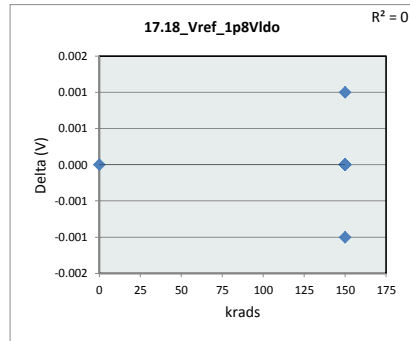
17.17_VoVref_delta_1p5VIdo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV
Min Limit	-6	mV
krads	0	150
LL	-6.000	-6.000
Min	1.576	1.242
Average	1.576	1.495
Max	1.576	1.768
UL	6.000	6.000



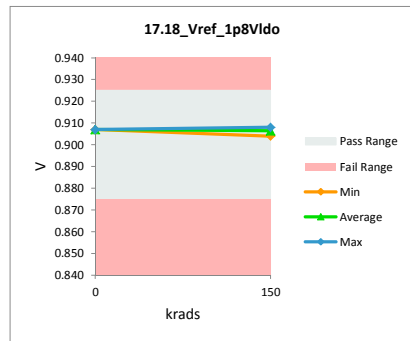
TID 150k HDR Rebound Report

TPS7H3301-SP

17.18_Vref_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.925	0.925	
Min Limit		0.875	0.875	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.907	0.907	0.000
150	116A_Biased	0.907	0.907	0.000
150	117A_Biased	0.906	0.906	0.000
150	36B_biased	0.906	0.906	0.000
150	37B_Biased	0.907	0.907	0.000
150	39C_Biased	0.906	0.906	0.000
150	118A_Unbiased	0.909	0.908	0.001
150	140A_Unbiased	0.907	0.907	0.000
150	38B_Unbiased	0.907	0.908	-0.001
150	39B_Unbiased	0.904	0.904	0.000
150	40C_Unbiased	0.905	0.905	0.000
Max		0.909	0.908	0.001
Average		0.906	0.906	0.000
Min		0.904	0.904	-0.001
Std Dev		0.001	0.001	0.000

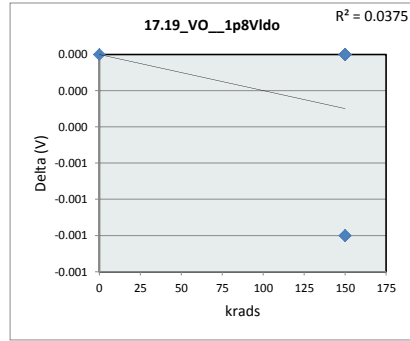


17.18_Vref_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.925	V
Min Limit	0.875	V
krads	0	150
LL	0.875	0.875
Min	0.907	0.904
Average	0.907	0.906
Max	0.907	0.908
UL	0.925	0.925

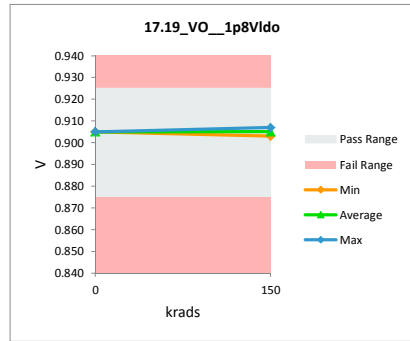


TID 150k HDR Rebound Report
TPS7H3301-SP

17.19_VO__1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.925	0.925		
Min Limit	0.875	0.875		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.905	0.905	0.000
150	116A_Biased	0.906	0.906	0.000
150	117A_Biased	0.904	0.904	0.000
150	36B_biased	0.905	0.905	0.000
150	37B_Biased	0.905	0.906	-0.001
150	39C_Biased	0.904	0.905	-0.001
150	118A_Unbiased	0.907	0.907	0.000
150	140A_Unbiased	0.905	0.905	0.000
150	38B_Unbiased	0.906	0.906	0.000
150	39B_Unbiased	0.902	0.903	-0.001
150	40C_Unbiased	0.904	0.904	0.000
	Max	0.907	0.907	0.000
	Average	0.905	0.905	0.000
	Min	0.902	0.903	-0.001
	Std Dev	0.001	0.001	0.000

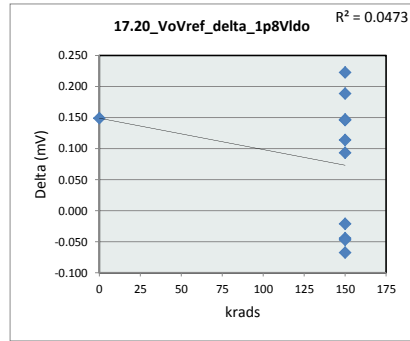


17.19_VO__1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.925	V
Min Limit	0.875	V
krads	0	150
LL	0.875	0.875
Min	0.905	0.903
Average	0.905	0.905
Max	0.905	0.907
UL	0.925	0.925

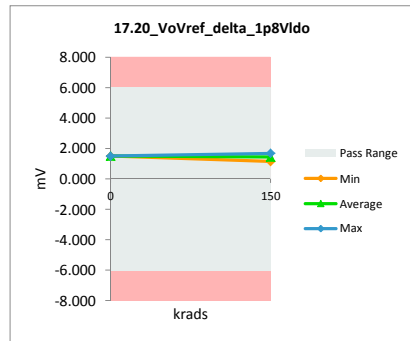


TID 150k HDR Rebound Report
TPS7H3301-SP

17.20_VoVref_delta_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.651	1.502	0.149
150	116A_Biased	1.346	1.414	-0.068
150	117A_Biased	1.634	1.679	-0.044
150	36B_biased	1.492	1.398	0.093
150	37B_Biased	1.512	1.559	-0.047
150	39C_Biased	1.633	1.486	0.147
150	118A_Unbiased	1.597	1.484	0.113
150	140A_Unbiased	1.447	1.259	0.188
150	38B_Unbiased	1.466	1.487	-0.021
150	39B_Unbiased	1.685	1.539	0.146
150	40C_Unbiased	1.370	1.147	0.223
Max		1.685	1.679	0.223
Average		1.530	1.450	0.080
Min		1.346	1.147	-0.068
Std Dev		0.117	0.145	0.105

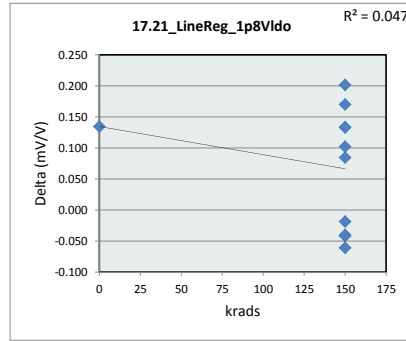


17.20_VoVref_delta_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV
Min Limit	-6	mV
krads	0	150
LL	-6.000	-6.000
Min	1.502	1.147
Average	1.502	1.445
Max	1.502	1.679
UL	6.000	6.000

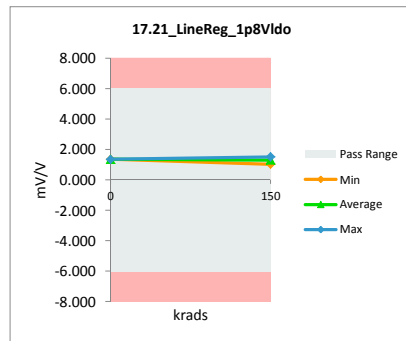


TID 150k HDR Rebound Report
TPS7H3301-SP

17.21_LineReg_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.489	1.355	0.135
150	116A_Biased	1.214	1.275	-0.061
150	117A_Biased	1.475	1.516	-0.040
150	36B_biased	1.346	1.261	0.084
150	37B_Biased	1.364	1.406	-0.042
150	39C_Biased	1.474	1.341	0.133
150	118A_Unbiased	1.438	1.336	0.102
150	140A_Unbiased	1.305	1.135	0.170
150	38B_Unbiased	1.321	1.339	-0.019
150	39B_Unbiased	1.525	1.392	0.133
150	40C_Unbiased	1.238	1.036	0.201
Max		1.525	1.516	0.201
Average		1.381	1.308	0.072
Min		1.214	1.036	-0.061
Std Dev		0.106	0.131	0.095

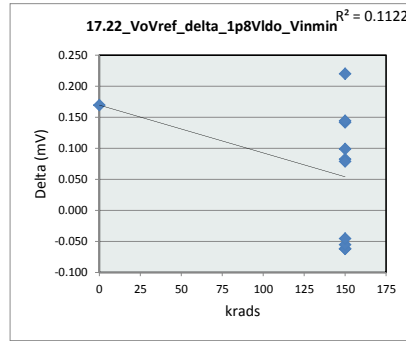


17.21_LineReg_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV/V
Min Limit	-6	mV/V
krads	0	150
LL	-6.000	-6.000
Min	1.355	1.036
Average	1.355	1.304
Max	1.355	1.516
UL	6.000	6.000

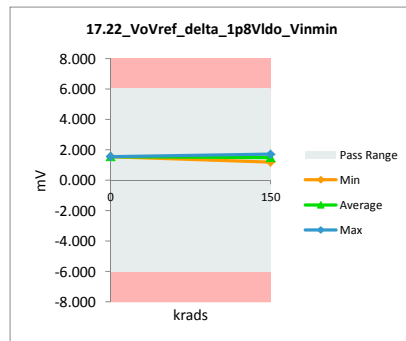


TID 150k HDR Rebound Report
TPS7H3301-SP

17.22_VoVref_delta_1p8VIdo_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.729	1.560	0.169
150	116A_Biased	1.407	1.469	-0.062
150	117A_Biased	1.650	1.712	-0.062
150	36B_biased	1.494	1.412	0.082
150	37B_Biased	1.522	1.577	-0.055
150	39C_Biased	1.685	1.543	0.142
150	118A_Unbiased	1.572	1.493	0.079
150	140A_Unbiased	1.479	1.335	0.144
150	38B_Unbiased	1.530	1.575	-0.046
150	39B_Unbiased	1.686	1.588	0.099
150	40C_Unbiased	1.421	1.201	0.220
Max		1.729	1.712	0.220
Average		1.561	1.497	0.064
Min		1.407	1.201	-0.062
Std Dev		0.112	0.140	0.104

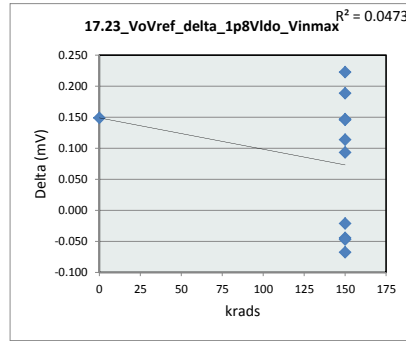


17.22_VoVref_delta_1p8VIdo		
krads	0	150
LL	-6.000	-6.000
Min	1.560	1.201
Average	1.560	1.491
Max	1.560	1.712
UL	6.000	6.000

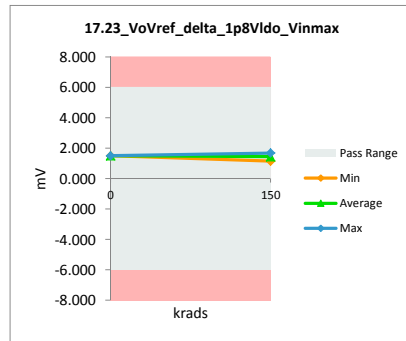


TID 150k HDR Rebound Report
TPS7H3301-SP

17.23_VoVref_delta_1p8Vldo_Vinm				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.651	1.502	0.149
150	116A_Biased	1.346	1.414	-0.068
150	117A_Biased	1.634	1.679	-0.044
150	36B_biased	1.492	1.398	0.093
150	37B_Biased	1.512	1.559	-0.047
150	39C_Biased	1.633	1.486	0.147
150	118A_Unbiased	1.597	1.484	0.113
150	140A_Unbiased	1.447	1.259	0.188
150	38B_Unbiased	1.466	1.487	-0.021
150	39B_Unbiased	1.685	1.539	0.146
150	40C_Unbiased	1.370	1.147	0.223
Max		1.685	1.679	0.223
Average		1.530	1.450	0.080
Min		1.346	1.147	-0.068
Std Dev		0.117	0.145	0.105

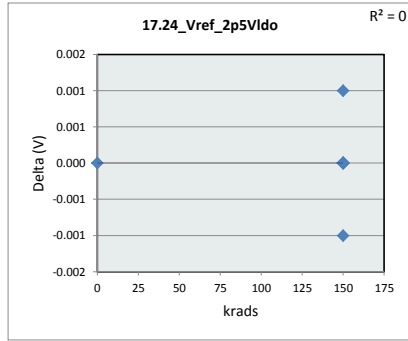


17.23_VoVref_delta_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV
Min Limit	-6	mV
krads	0	150
LL	-6.000	-6.000
Min	1.502	1.147
Average	1.502	1.445
Max	1.502	1.679
UL	6.000	6.000

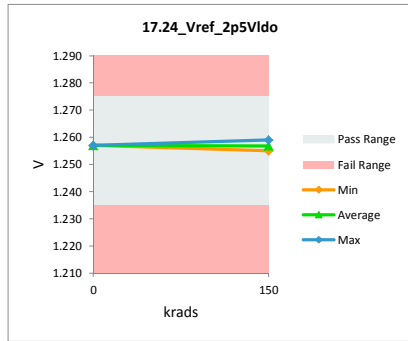


TID 150k HDR Rebound Report
TPS7H3301-SP

17.24_Vref_2p5VIdo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.275	1.275	
Min Limit		1.235	1.235	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.257	1.257	0.000
150	116A_Biased	1.257	1.257	0.000
150	117A_Biased	1.256	1.256	0.000
150	36B_biased	1.257	1.257	0.000
150	37B_Biased	1.257	1.257	0.000
150	39C_Biased	1.257	1.257	0.000
150	118A_Unbiased	1.259	1.259	0.000
150	140A_Unbiased	1.257	1.257	0.000
150	38B_Unbiased	1.258	1.258	0.000
150	39B_Unbiased	1.254	1.255	-0.001
150	40C_Unbiased	1.256	1.255	0.001
Max		1.259	1.259	0.001
Average		1.257	1.257	0.000
Min		1.254	1.255	-0.001
Std Dev		0.001	0.001	0.000

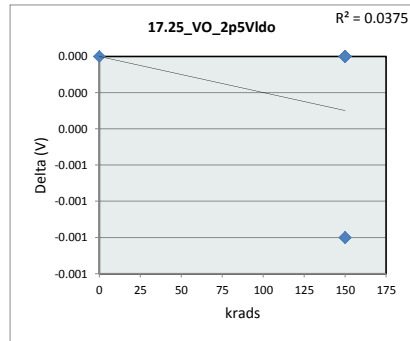


17.24_Vref_2p5VIdo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.275	V
Min Limit	1.235	V
krads	0	150
LL	1.235	1.235
Min	1.257	1.255
Average	1.257	1.257
Max	1.257	1.259
UL	1.275	1.275

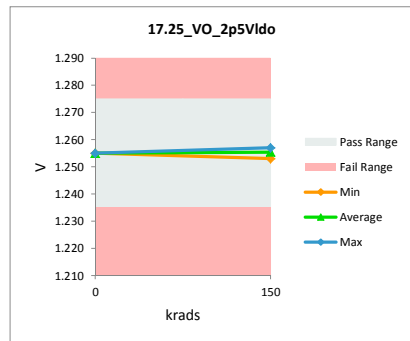


TID 150k HDR Rebound Report
TPS7H3301-SP

17.25_VO_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.275	1.275	
Min Limit		1.235	1.235	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.255	1.255	0.000
150	116A_Biased	1.256	1.256	0.000
150	117A_Biased	1.255	1.255	0.000
150	36B_biased	1.255	1.255	0.000
150	37B_Biased	1.256	1.256	0.000
150	39C_Biased	1.255	1.255	0.000
150	118A_Unbiased	1.257	1.257	0.000
150	140A_Unbiased	1.255	1.256	-0.001
150	38B_Unbiased	1.256	1.257	-0.001
150	39B_Unbiased	1.252	1.253	-0.001
150	40C_Unbiased	1.254	1.254	0.000
Max		1.257	1.257	0.000
Average		1.255	1.255	0.000
Min		1.252	1.253	-0.001
Std Dev		0.001	0.001	0.000

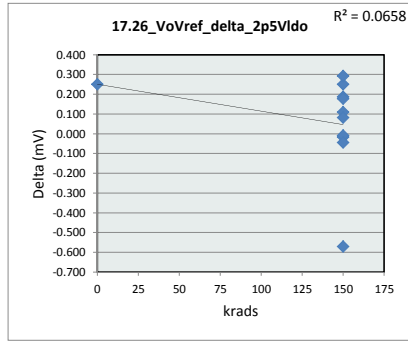


17.25_VO_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.275	V
Min Limit	1.235	V
krads	0	150
LL	1.235	1.235
Min	1.255	1.253
Average	1.255	1.255
Max	1.255	1.257
UL	1.275	1.275

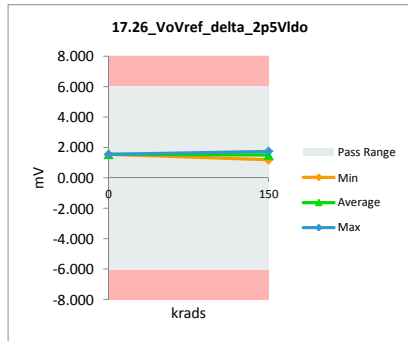


TID 150k HDR Rebound Report
TPS7H3301-SP

17.26_VoVref_delta_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.795	1.545	0.250
150	116A_Biased	0.873	1.444	-0.570
150	117A_Biased	1.734	1.750	-0.016
150	36B_biased	1.563	1.453	0.109
150	37B_Biased	1.608	1.616	-0.008
150	39C_Biased	1.726	1.538	0.188
150	118A_Unbiased	1.662	1.580	0.082
150	140A_Unbiased	1.573	1.322	0.251
150	38B_Unbiased	1.536	1.580	-0.044
150	39B_Unbiased	1.790	1.613	0.177
150	40C_Unbiased	1.484	1.191	0.292
	Max	1.795	1.750	0.292
	Average	1.577	1.512	0.065
	Min	0.873	1.191	-0.570
	Std Dev	0.256	0.154	0.240

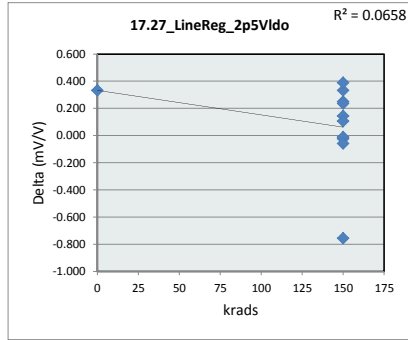


17.26_VoVref_delta_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV
Min Limit	-6	mV
krads	0	150
LL	-6.000	-6.000
Min	1.545	1.192
Average	1.545	1.509
Max	1.545	1.750
UL	6.000	6.000

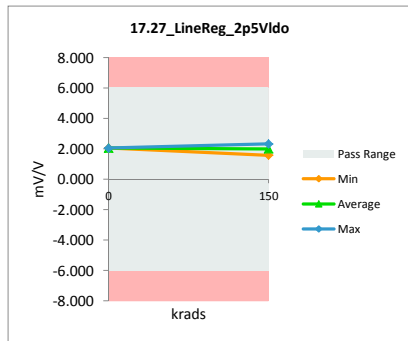


TID 150k HDR Rebound Report
TPS7H3301-SP

17.27_LineReg_2p5VIdo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/V	mV/V	
Max Limit		6	6	
Min Limit		-6	-6	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.383	2.051	0.333
150	116A_Biased	1.159	1.916	-0.757
150	117A_Biased	2.303	2.325	-0.022
150	36B_biased	2.075	1.930	0.145
150	37B_Biased	2.135	2.145	-0.010
150	39C_Biased	2.293	2.043	0.250
150	118A_Unbiased	2.203	2.095	0.107
150	140A_Unbiased	2.088	1.755	0.333
150	38B_Unbiased	2.038	2.096	-0.058
150	39B_Unbiased	2.382	2.146	0.236
150	40C_Unbiased	1.972	1.583	0.388
Max		2.383	2.325	0.388
Average		2.094	2.008	0.086
Min		1.159	1.583	-0.757
Std Dev		0.340	0.204	0.319

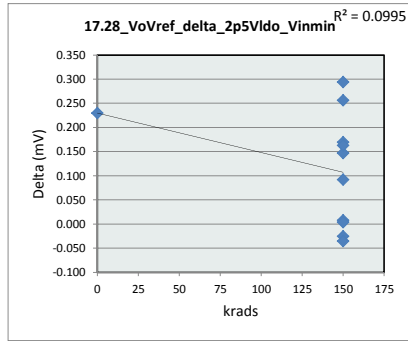


17.27_LineReg_2p5VIdo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV/V
Min Limit	-6	mV/V
krads	0	150
LL	-6.000	-6.000
Min	2.051	1.583
Average	2.051	2.003
Max	2.051	2.325
UL	6.000	6.000

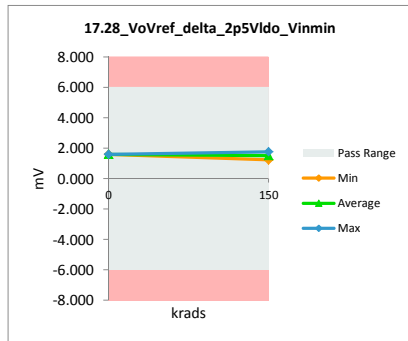


TID 150k HDR Rebound Report
TPS7H3301-SP

17.28_VoVref_delta_2p5VIdo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.831	1.601	0.230
150	116A_Biased	1.446	1.472	-0.025
150	117A_Biased	1.730	1.765	-0.035
150	36B_biased	1.583	1.436	0.147
150	37B_Biased	1.602	1.595	0.008
150	39C_Biased	1.740	1.571	0.170
150	118A_Unbiased	1.663	1.571	0.092
150	140A_Unbiased	1.615	1.359	0.257
150	38B_Unbiased	1.592	1.588	0.004
150	39B_Unbiased	1.781	1.618	0.163
150	40C_Unbiased	1.520	1.226	0.294
	Max	1.831	1.765	0.294
	Average	1.646	1.527	0.118
	Min	1.446	1.226	-0.035
	Std Dev	0.116	0.146	0.117

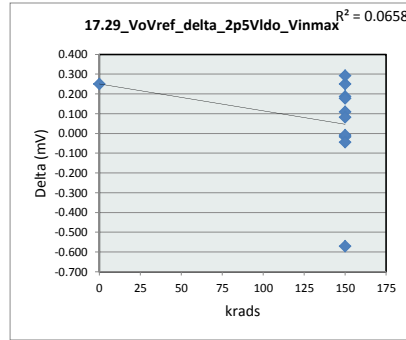


17.28_VoVref_delta_2p5VIdo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	mV
Min Limit	-6	mV
krads	0	150
LL	-6.000	-6.000
Min	1.601	1.226
Average	1.601	1.520
Max	1.601	1.766
UL	6.000	6.000

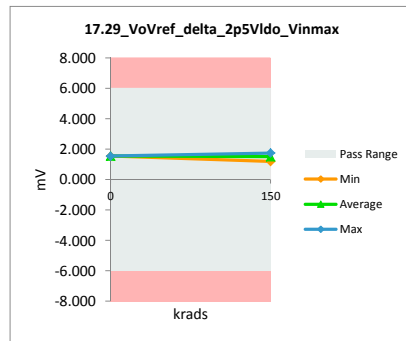


TID 150k HDR Rebound Report
TPS7H3301-SP

17.29_VoVref_delta_2p5VIdo_Vinm				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		6	6	
Min Limit		-6	-6	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.795	1.545	0.250
150	116A_Biased	0.873	1.444	-0.570
150	117A_Biased	1.734	1.750	-0.016
150	36B_biased	1.563	1.453	0.109
150	37B_Biased	1.608	1.616	-0.008
150	39C_Biased	1.726	1.538	0.188
150	118A_Unbiased	1.662	1.580	0.082
150	140A_Unbiased	1.573	1.322	0.251
150	38B_Unbiased	1.536	1.580	-0.044
150	39B_Unbiased	1.790	1.613	0.177
150	40C_Unbiased	1.484	1.191	0.292
Max		1.795	1.750	0.292
Average		1.577	1.512	0.065
Min		0.873	1.191	-0.570
Std Dev		0.256	0.154	0.240

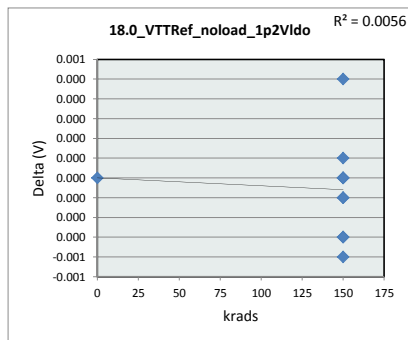


17.29_VoVref_delta_2p5VIdo		
Test Site		Dallas, Tx
Tester		ETS
Test Number		EF636800
Max Limit		6 mV
Min Limit		-6 mV
krads	0	150
LL	-6.000	-6.000
Min	1.545	1.192
Average	1.545	1.509
Max	1.545	1.750
UL	6.000	6.000

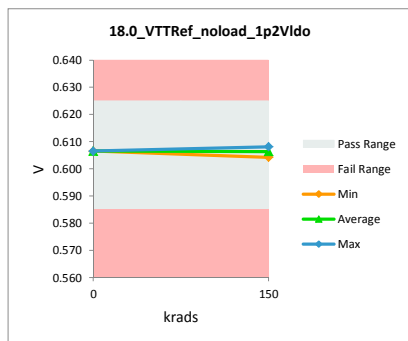


TID 150k HDR Rebound Report TPS7H3301-SP

18.0_VTTRef_noload_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.625	0.625	
Min Limit		0.585	0.585	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.606	0.607	0.000
150	116A_Biased	0.607	0.607	0.000
150	117A_Biased	0.606	0.606	0.000
150	36B_biased	0.606	0.606	0.000
150	37B_Biased	0.607	0.607	0.000
150	39C_Biased	0.606	0.606	0.000
150	118A_Unbiased	0.609	0.608	0.000
150	140A_Unbiased	0.606	0.607	0.000
150	38B_Unbiased	0.607	0.608	0.000
150	39B_Unbiased	0.604	0.604	0.000
150	40C_Unbiased	0.605	0.605	0.000
	Max	0.609	0.608	0.000
	Average	0.606	0.606	0.000
	Min	0.604	0.604	0.000
	Std Dev	0.001	0.001	0.000

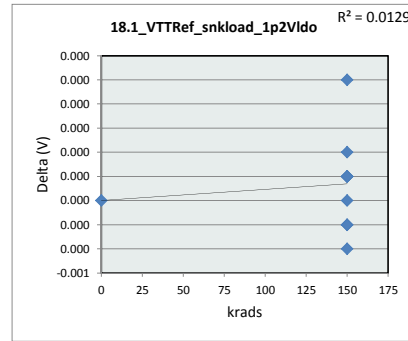


18.0_VTTRef_noload_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.625	V
Min Limit	0.585	V
krads	0	150
LL	0.585	0.585
Min	0.607	0.604
Average	0.607	0.606
Max	0.607	0.608
UL	0.625	0.625

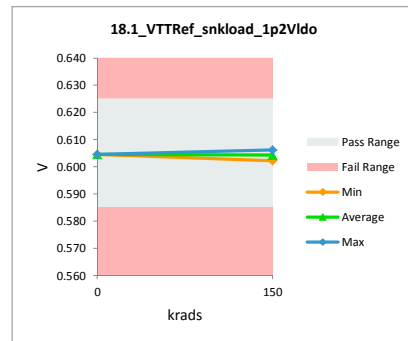


TID 150k HDR Rebound Report TPS7H3301-SP

18.1_VTTRef_snkload_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.604	0.604	0.000
150	116A_Biased	0.605	0.605	0.000
150	117A_Biased	0.604	0.604	0.000
150	36B_biased	0.604	0.604	0.000
150	37B_Biased	0.605	0.605	0.000
150	39C_Biased	0.604	0.604	0.000
150	118A_Unbiased	0.607	0.606	0.000
150	140A_Unbiased	0.604	0.604	0.000
150	38B_Unbiased	0.605	0.606	0.000
150	39B_Unbiased	0.602	0.602	0.000
150	40C_Unbiased	0.603	0.603	0.000
Max		0.607	0.606	0.000
Average		0.604	0.604	0.000
Min		0.602	0.602	0.000
Std Dev		0.001	0.001	0.000

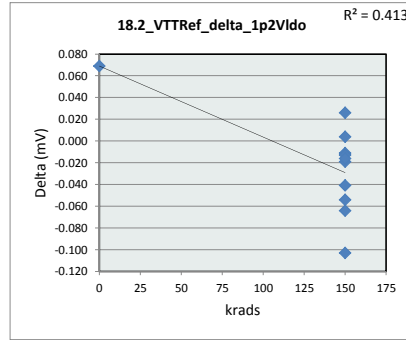


18.1_VTTRef_snkload_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.625	V
Min Limit	0.585	V
krads	0	150
LL	0.585	0.585
Min	0.605	0.602
Average	0.605	0.604
Max	0.605	0.606
UL	0.625	0.625

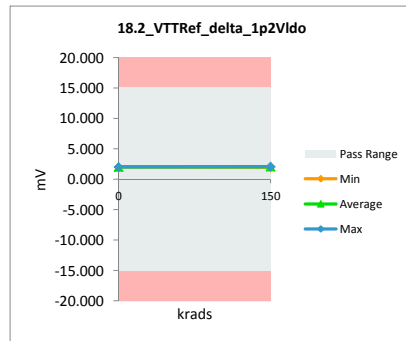


TID 150k HDR Rebound Report
TPS7H3301-SP

18.2_VTTRef_delta_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.102	2.033	0.069
150	116A_Biased	2.046	2.042	0.004
150	117A_Biased	1.989	2.000	-0.011
150	36B_biased	2.013	2.032	-0.019
150	37B_Biased	1.979	2.033	-0.054
150	39C_Biased	2.082	2.095	-0.013
150	118A_Unbiased	1.957	1.973	-0.016
150	140A_Unbiased	2.059	2.033	0.026
150	38B_Unbiased	2.027	2.091	-0.064
150	39B_Unbiased	1.938	2.041	-0.103
150	40C_Unbiased	2.066	2.107	-0.041
	Max	2.102	2.107	0.069
	Average	2.023	2.044	-0.020
	Min	1.938	1.973	-0.103
	Std Dev	0.053	0.040	0.046

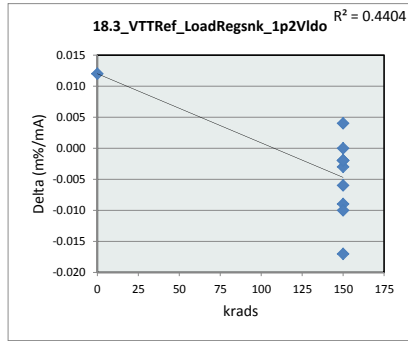


18.2_VTTRef_delta_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.033	1.973
Average	2.033	2.045
Max	2.033	2.107
UL	15.000	15.000

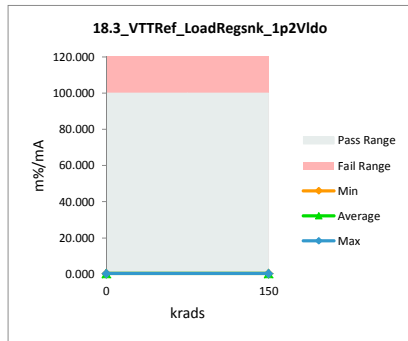


TID 150k HDR Rebound Report
TPS7H3301-SP

18.3_VTTRef_LoadRegsnk_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		m%/mA	m%/mA	
Max Limit		100	100	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.347	0.335	0.012
150	116A_Biased	0.337	0.337	0.000
150	117A_Biased	0.328	0.330	-0.002
150	36B_biased	0.332	0.335	-0.003
150	37B_Biased	0.326	0.335	-0.009
150	39C_Biased	0.344	0.346	-0.002
150	118A_Unbiased	0.322	0.324	-0.002
150	140A_Unbiased	0.339	0.335	0.004
150	38B_Unbiased	0.334	0.344	-0.010
150	39B_Unbiased	0.321	0.338	-0.017
150	40C_Unbiased	0.342	0.348	-0.006
	Max	0.347	0.348	0.012
	Average	0.334	0.337	-0.003
	Min	0.321	0.324	-0.017
	Std Dev	0.009	0.007	0.008

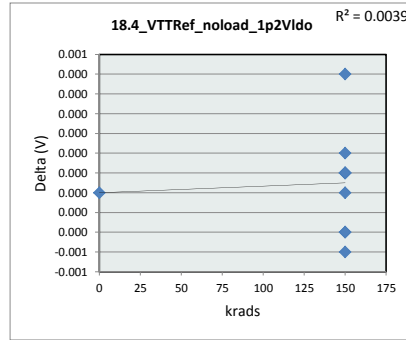


18.3_VTTRef_LoadRegsnk_1p2Vldo			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	100	m%/mA	
Min Limit	0	m%/mA	
krads	0	150	
LL	0.000	0.000	
Min	0.335	0.324	
Average	0.335	0.337	
Max	0.335	0.348	
UL	100.000	100.000	

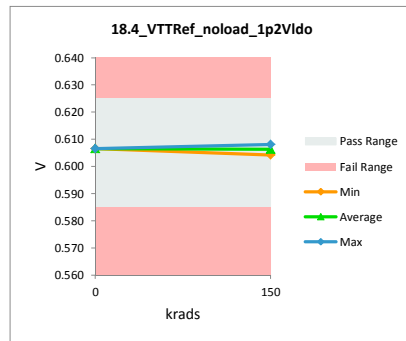


TID 150k HDR Rebound Report
TPS7H3301-SP

18.4_VTTRef_noload_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.625	0.625	
Min Limit		0.585	0.585	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.606	0.607	0.000
150	116A_Biased	0.607	0.607	0.000
150	117A_Biased	0.606	0.606	0.000
150	36B_biased	0.606	0.606	0.000
150	37B_Biased	0.607	0.607	0.000
150	39C_Biased	0.606	0.606	0.000
150	118A_Unbiased	0.609	0.608	0.000
150	140A_Unbiased	0.606	0.607	0.000
150	38B_Unbiased	0.607	0.608	0.000
150	39B_Unbiased	0.604	0.604	0.000
150	40C_Unbiased	0.605	0.605	0.000
	Max	0.609	0.608	0.000
	Average	0.606	0.606	0.000
	Min	0.604	0.604	0.000
	Std Dev	0.001	0.001	0.000

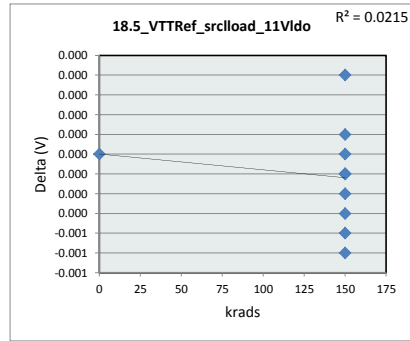


18.4_VTTRef_noload_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.625	V
Min Limit	0.585	V
krads	0	150
LL	0.585	0.585
Min	0.607	0.604
Average	0.607	0.606
Max	0.607	0.608
UL	0.625	0.625

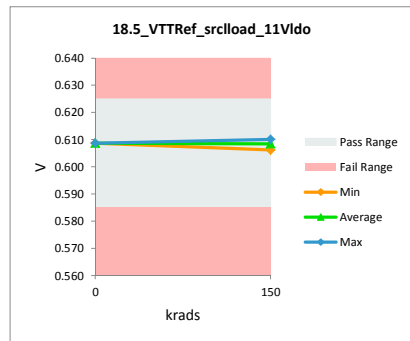


TID 150k HDR Rebound Report
TPS7H3301-SP

18.5_VTTRef_srcload_11VIdo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.625	0.625	
Min Limit		0.585	0.585	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.609	0.609	0.000
150	116A_Biased	0.609	0.609	0.000
150	117A_Biased	0.608	0.608	0.000
150	36B_biased	0.608	0.608	0.000
150	37B_Biased	0.609	0.609	0.000
150	39C_Biased	0.608	0.608	0.000
150	118A_Unbiased	0.610	0.610	0.000
150	140A_Unbiased	0.609	0.609	0.000
150	38B_Unbiased	0.609	0.610	-0.001
150	39B_Unbiased	0.606	0.606	0.000
150	40C_Unbiased	0.607	0.607	0.000
Max		0.610	0.610	0.000
Average		0.608	0.608	0.000
Min		0.606	0.606	-0.001
Std Dev		0.001	0.001	0.000

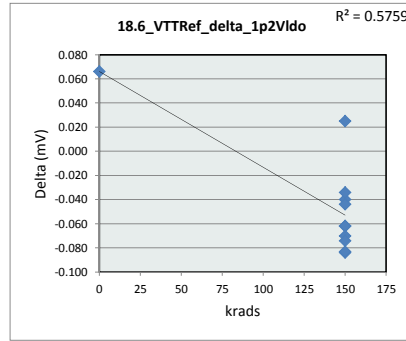


18.5_VTTRef_srcload_11VIdo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.625	V
Min Limit	0.585	V
krads	0	150
LL	0.585	0.585
Min	0.609	0.606
Average	0.609	0.608
Max	0.609	0.610
UL	0.625	0.625

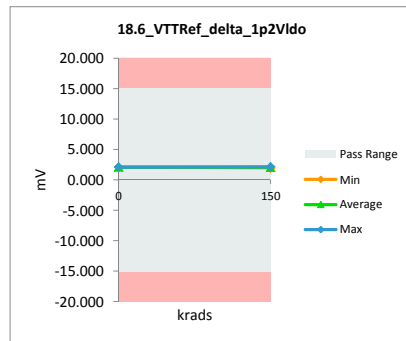


TID 150k HDR Rebound Report
TPS7H3301-SP

18.6_VTTRef_delta_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.167	2.101	0.066
150	116A_Biased	2.082	2.122	-0.040
150	117A_Biased	1.945	1.979	-0.034
150	36B_biased	1.973	2.043	-0.070
150	37B_Biased	2.012	2.096	-0.084
150	39C_Biased	2.052	2.135	-0.083
150	118A_Unbiased	1.932	1.994	-0.062
150	140A_Unbiased	2.119	2.094	0.025
150	38B_Unbiased	2.084	2.146	-0.062
150	39B_Unbiased	1.938	2.012	-0.074
150	40C_Unbiased	2.040	2.084	-0.044
Max		2.167	2.146	0.066
Average		2.031	2.073	-0.042
Min		1.932	1.979	-0.084
Std Dev		0.079	0.058	0.047

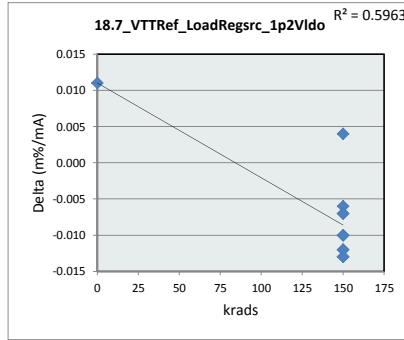


18.6_VTTRef_delta_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.101	1.979
Average	2.101	2.071
Max	2.101	2.146
UL	15.000	15.000

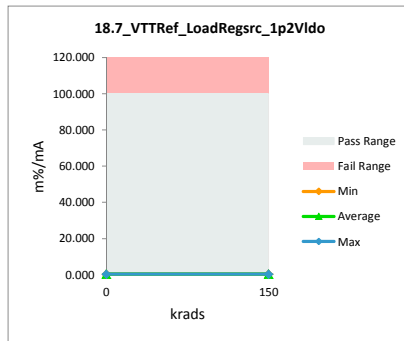


TID 150k HDR Rebound Report
TPS7H3301-SP

18.7_VTTRef_LoadRegrsrc_1p2Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.357	0.346	0.011
150	116A_Biased	0.343	0.350	-0.007
150	117A_Biased	0.321	0.327	-0.006
150	36B_biased	0.325	0.337	-0.012
150	37B_Biased	0.332	0.345	-0.013
150	39C_Biased	0.339	0.352	-0.013
150	118A_Unbiased	0.318	0.328	-0.010
150	140A_Unbiased	0.349	0.345	0.004
150	38B_Unbiased	0.343	0.353	-0.010
150	39B_Unbiased	0.321	0.333	-0.012
150	40C_Unbiased	0.337	0.344	-0.007
Max		0.357	0.353	0.011
Average		0.335	0.342	-0.007
Min		0.318	0.327	-0.013
Std Dev		0.013	0.009	0.008

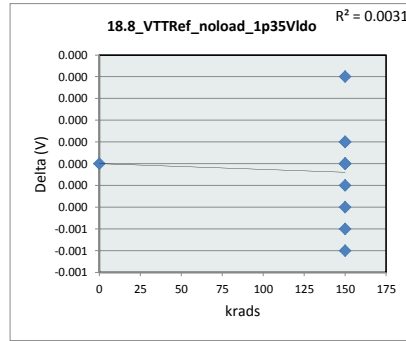


18.7_VTTRef_LoadRegrsrc_1p2		
krads	0	150
LL	0.000	0.000
Min	0.346	0.327
Average	0.346	0.341
Max	0.346	0.353
UL	100.000	100.000

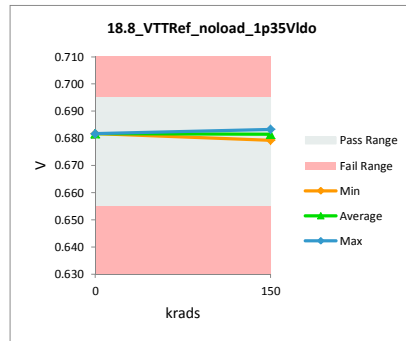


TID 150k HDR Rebound Report
TPS7H3301-SP

18.8_VTTRef_noload_1p35Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.695	0.695	
Min Limit		0.655	0.655	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.682	0.682	0.000
150	116A_Biased	0.682	0.682	0.000
150	117A_Biased	0.681	0.681	0.000
150	36B_biased	0.681	0.681	0.000
150	37B_Biased	0.682	0.682	-0.001
150	39C_Biased	0.681	0.681	0.000
150	118A_Unbiased	0.683	0.683	0.000
150	140A_Unbiased	0.682	0.682	0.000
150	38B_Unbiased	0.682	0.683	-0.001
150	39B_Unbiased	0.679	0.679	0.000
150	40C_Unbiased	0.680	0.680	0.000
	Max	0.683	0.683	0.000
	Average	0.681	0.682	0.000
	Min	0.679	0.679	-0.001
	Std Dev	0.001	0.001	0.000

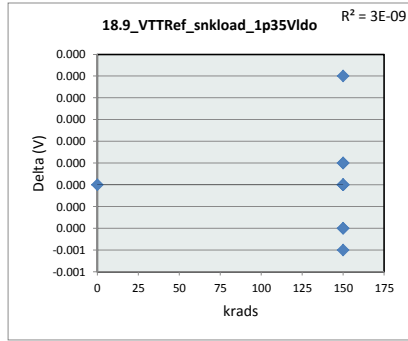


18.8_VTTRef_noload_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.695	V
Min Limit	0.655	V
krads	0	150
LL	0.655	0.655
Min	0.682	0.679
Average	0.682	0.682
Max	0.682	0.683
UL	0.695	0.695

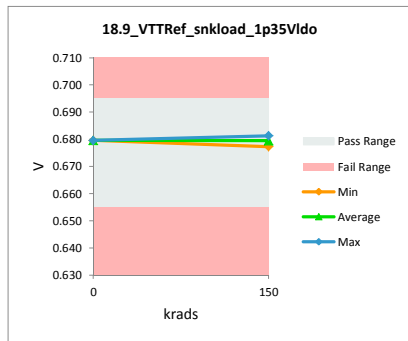


TID 150k HDR Rebound Report
TPS7H3301-SP

18.9_VTTRef_snkload_1p35Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.679	0.680	0.000
150	116A_Biased	0.680	0.680	0.000
150	117A_Biased	0.679	0.679	0.000
150	36B_biased	0.679	0.679	0.000
150	37B_Biased	0.680	0.680	0.000
150	39C_Biased	0.679	0.679	0.000
150	118A_Unbiased	0.682	0.681	0.000
150	140A_Unbiased	0.679	0.680	0.000
150	38B_Unbiased	0.680	0.681	-0.001
150	39B_Unbiased	0.677	0.677	0.000
150	40C_Unbiased	0.678	0.678	0.000
	Max	0.682	0.681	0.000
	Average	0.679	0.679	0.000
	Min	0.677	0.677	-0.001
	Std Dev	0.001	0.001	0.000

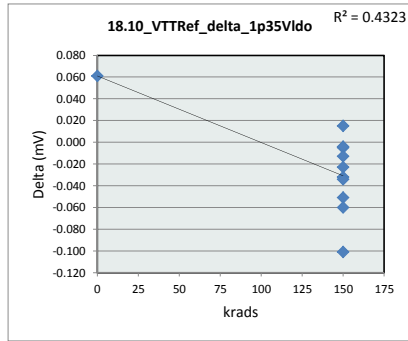


18.9_VTTRef_snkload_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.695	V
Min Limit	0.655	V
krads	0	150
LL	0.655	0.655
Min	0.680	0.677
Average	0.680	0.679
Max	0.680	0.681
UL	0.695	0.695

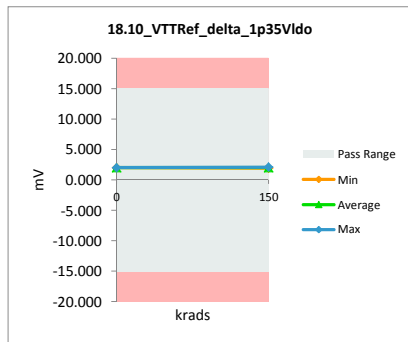


TID 150k HDR Rebound Report
TPS7H3301-SP

18.10_VTTRef_delta_1p35Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.085	2.024	0.061
150	116A_Biased	2.014	2.019	-0.005
150	117A_Biased	1.939	1.943	-0.004
150	36B_biased	2.006	2.019	-0.013
150	37B_Biased	1.963	2.064	-0.101
150	39C_Biased	2.071	2.094	-0.023
150	118A_Unbiased	1.927	1.959	-0.032
150	140A_Unbiased	2.047	2.032	0.015
150	38B_Unbiased	2.056	2.107	-0.051
150	39B_Unbiased	1.990	2.050	-0.060
150	40C_Unbiased	2.052	2.086	-0.034
	Max	2.085	2.107	0.061
	Average	2.014	2.036	-0.022
	Min	1.927	1.943	-0.101
	Std Dev	0.054	0.052	0.042

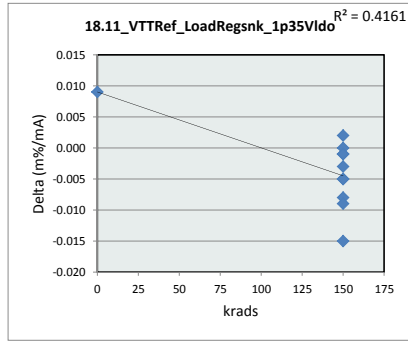


18.10_VTTRef_delta_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.024	1.943
Average	2.024	2.037
Max	2.024	2.107
UL	15.000	15.000

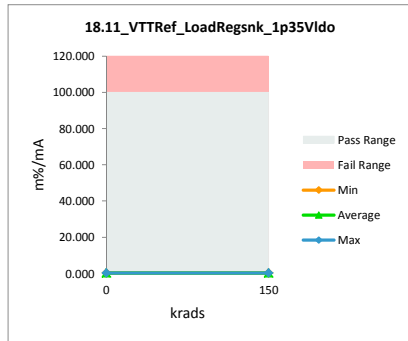


TID 150k HDR Rebound Report
TPS7H3301-SP

18.11_VTTRef_LoadRegsnk_1p35Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.306	0.297	0.009
150	116A_Biased	0.295	0.296	-0.001
150	117A_Biased	0.285	0.285	0.000
150	36B_biased	0.295	0.296	-0.001
150	37B_Biased	0.288	0.303	-0.015
150	39C_Biased	0.304	0.307	-0.003
150	118A_Unbiased	0.282	0.287	-0.005
150	140A_Unbiased	0.300	0.298	0.002
150	38B_Unbiased	0.301	0.309	-0.008
150	39B_Unbiased	0.293	0.302	-0.009
150	40C_Unbiased	0.302	0.307	-0.005
	Max	0.306	0.309	0.009
	Average	0.296	0.299	-0.003
	Min	0.282	0.285	-0.015
	Std Dev	0.008	0.008	0.006

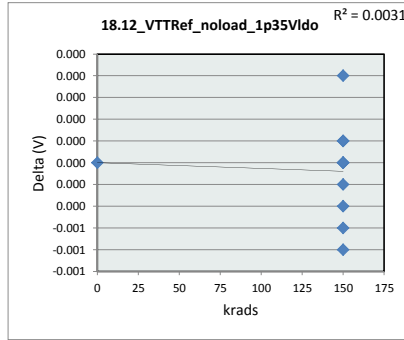


18.11_VTTRef_LoadRegsnk_1p35Vldo		
krads	0	150
LL	0.000	0.000
Min	0.297	0.285
Average	0.297	0.299
Max	0.297	0.309
UL	100.000	100.000

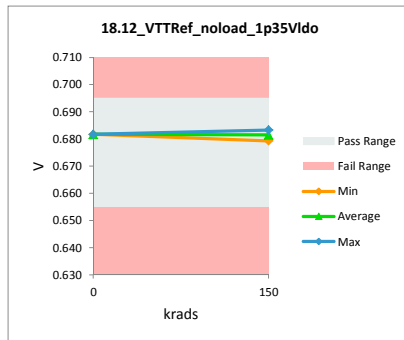


TID 150k HDR Rebound Report
TPS7H3301-SP

18.12_VTTRef_noload_1p35Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.682	0.682	0.000
150	116A_Biased	0.682	0.682	0.000
150	117A_Biased	0.681	0.681	0.000
150	36B_biased	0.681	0.681	0.000
150	37B_Biased	0.682	0.682	-0.001
150	39C_Biased	0.681	0.681	0.000
150	118A_Unbiased	0.683	0.683	0.000
150	140A_Unbiased	0.682	0.682	0.000
150	38B_Unbiased	0.682	0.683	-0.001
150	39B_Unbiased	0.679	0.679	0.000
150	40C_Unbiased	0.680	0.680	0.000
Max		0.683	0.683	0.000
Average		0.681	0.682	0.000
Min		0.679	0.679	-0.001
Std Dev		0.001	0.001	0.000

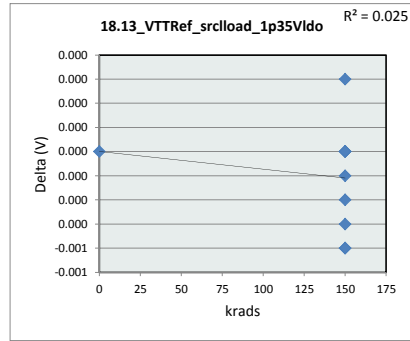


18.12_VTTRef_noload_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.695	V
Min Limit	0.655	V
krads	0	150
LL	0.655	0.655
Min	0.682	0.679
Average	0.682	0.682
Max	0.682	0.683
UL	0.695	0.695

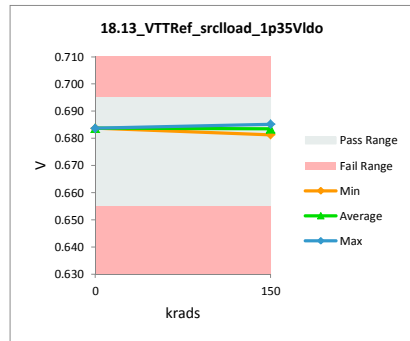


TID 150k HDR Rebound Report
TPS7H3301-SP

18.13_VTTRef_srcload_1p35Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.695	0.695	
Min Limit		0.655	0.655	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.684	0.684	0.000
150	116A_Biased	0.684	0.684	0.000
150	117A_Biased	0.683	0.683	0.000
150	36B_biased	0.683	0.683	0.000
150	37B_Biased	0.684	0.684	0.000
150	39C_Biased	0.683	0.683	0.000
150	118A_Unbiased	0.685	0.685	0.000
150	140A_Unbiased	0.683	0.684	0.000
150	38B_Unbiased	0.684	0.685	0.000
150	39B_Unbiased	0.681	0.681	0.000
150	40C_Unbiased	0.682	0.682	0.000
	Max	0.685	0.685	0.000
	Average	0.683	0.684	0.000
	Min	0.681	0.681	0.000
	Std Dev	0.001	0.001	0.000

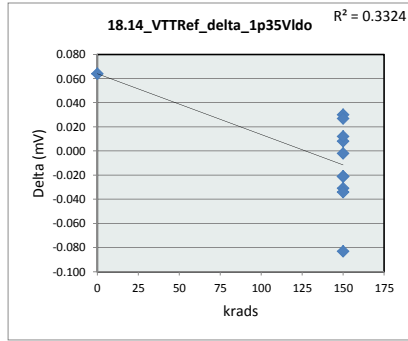


18.13_VTTRef_srcload_1p35V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.695	V
Min Limit	0.655	V
krads	0	150
LL	0.655	0.655
Min	0.684	0.681
Average	0.684	0.684
Max	0.684	0.685
UL	0.695	0.695

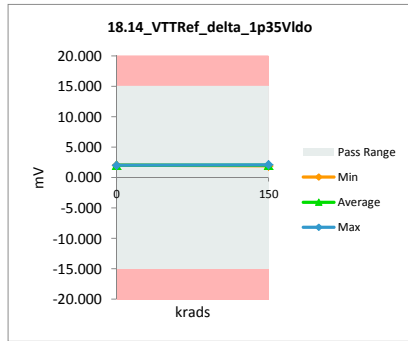


TID 150k HDR Rebound Report
TPS7H3301-SP

18.14_VTTRef_delta_1p35Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.097	2.033	0.064
150	116A_Biased	2.067	2.037	0.030
150	117A_Biased	1.974	2.005	-0.031
150	36B_biased	2.031	2.033	-0.002
150	37B_Biased	2.010	1.983	0.027
150	39C_Biased	2.102	2.094	0.008
150	118A_Unbiased	1.909	1.930	-0.021
150	140A_Unbiased	2.055	2.043	0.012
150	38B_Unbiased	2.043	2.064	-0.021
150	39B_Unbiased	1.926	2.009	-0.083
150	40C_Unbiased	2.075	2.109	-0.034
Max		2.102	2.109	0.064
Average		2.026	2.031	-0.005
Min		1.909	1.930	-0.083
Std Dev		0.065	0.050	0.039

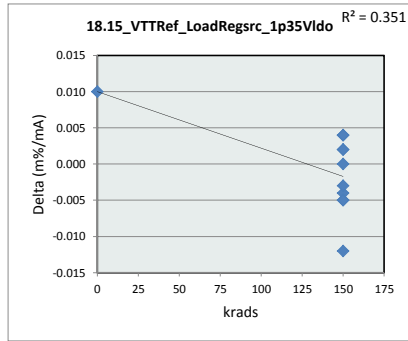


18.14_VTTRef_delta_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.033	1.930
Average	2.033	2.031
Max	2.033	2.109
UL	15.000	15.000

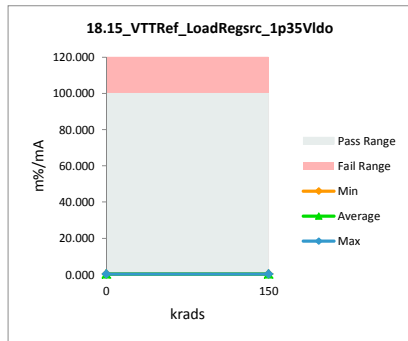


TID 150k HDR Rebound Report
TPS7H3301-SP

18.15_VTTRef_LoadRegrsrc_1p35Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.308	0.298	0.010
150	116A_Biased	0.303	0.299	0.004
150	117A_Biased	0.290	0.295	-0.005
150	36B_biased	0.298	0.298	0.000
150	37B_Biased	0.295	0.291	0.004
150	39C_Biased	0.309	0.307	0.002
150	118A_Unbiased	0.279	0.283	-0.004
150	140A_Unbiased	0.302	0.300	0.002
150	38B_Unbiased	0.299	0.302	-0.003
150	39B_Unbiased	0.284	0.296	-0.012
150	40C_Unbiased	0.305	0.310	-0.005
	Max	0.309	0.310	0.010
	Average	0.297	0.298	-0.001
	Min	0.279	0.283	-0.012
	Std Dev	0.010	0.007	0.006

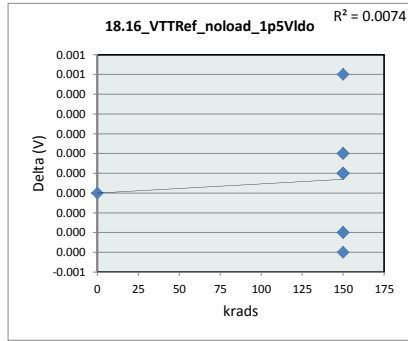


18.15_VTTRef_LoadRegrsrc_1p		
krads	0	150
LL	0.000	0.000
Min	0.298	0.283
Average	0.298	0.298
Max	0.298	0.310
UL	100.000	100.000

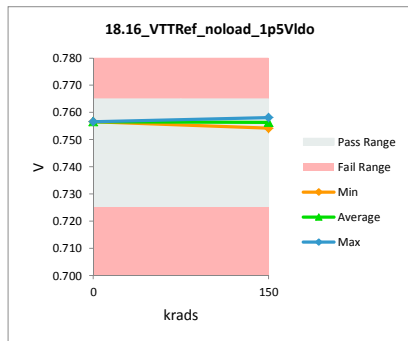


TID 150k HDR Rebound Report
TPS7H3301-SP

18.16_VTTRef_noload_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.765	0.765	
Min Limit		0.725	0.725	
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.757	0.757	0.000
150	116A_Biased	0.757	0.757	0.000
150	117A_Biased	0.756	0.756	0.000
150	36B_biased	0.756	0.756	0.000
150	37B_Biased	0.757	0.757	0.000
150	39C_Biased	0.756	0.756	0.000
150	118A_Unbiased	0.759	0.758	0.001
150	140A_Unbiased	0.757	0.757	0.000
150	38B_Unbiased	0.757	0.758	0.000
150	39B_Unbiased	0.754	0.754	0.000
150	40C_Unbiased	0.755	0.755	0.000
	Max	0.759	0.758	0.001
	Average	0.756	0.756	0.000
	Min	0.754	0.754	0.000
	Std Dev	0.001	0.001	0.000

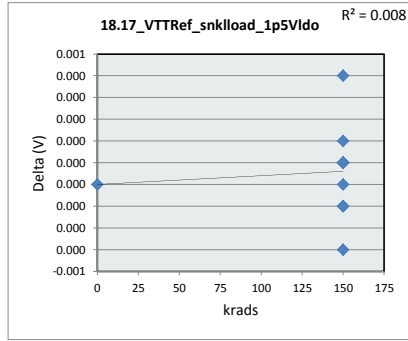


18.16_VTTRef_noload_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.725	V
krads	0	150
LL	0.725	0.725
Min	0.757	0.754
Average	0.757	0.756
Max	0.757	0.758
UL	0.765	0.765

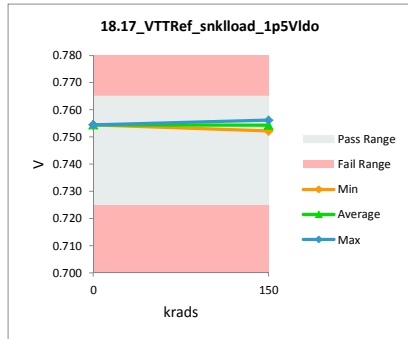


TID 150k HDR Rebound Report
TPS7H3301-SP

18.17_VTTRef_snkload_1p5VIdo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.765	0.765	
Min Limit		0.725	0.725	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.754	0.754	0.000
150	116A_Biased	0.755	0.755	0.000
150	117A_Biased	0.754	0.754	0.000
150	36B_biased	0.754	0.754	0.000
150	37B_Biased	0.755	0.755	0.000
150	39C_Biased	0.754	0.754	0.000
150	118A_Unbiased	0.757	0.756	0.000
150	140A_Unbiased	0.754	0.754	0.000
150	38B_Unbiased	0.755	0.756	0.000
150	39B_Unbiased	0.752	0.752	0.000
150	40C_Unbiased	0.753	0.753	0.000
Max		0.757	0.756	0.000
Average		0.754	0.754	0.000
Min		0.752	0.752	0.000
Std Dev		0.001	0.001	0.000

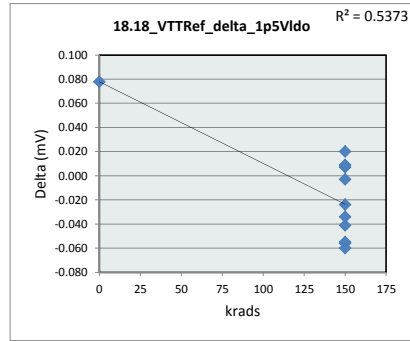


18.17_VTTRef_snkload_1p5VIdo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.725	V
krads	0	150
LL	0.725	0.725
Min	0.755	0.752
Average	0.755	0.754
Max	0.755	0.756
UL	0.765	0.765

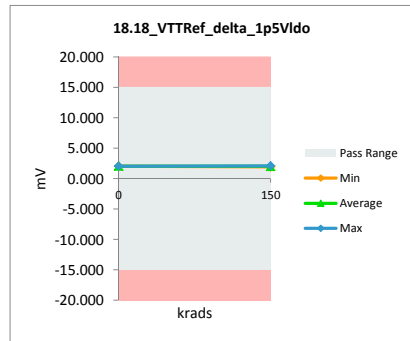


TID 150k HDR Rebound Report
TPS7H3301-SP

18.18_VTTRef_delta_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.124	2.046	0.078
150	116A_Biased	2.021	2.045	-0.024
150	117A_Biased	1.910	1.951	-0.041
150	36B_biased	2.038	2.018	0.020
150	37B_Biased	1.999	2.055	-0.056
150	39C_Biased	2.097	2.090	0.007
150	118A_Unbiased	1.923	1.978	-0.055
150	140A_Unbiased	2.060	2.051	0.009
150	38B_Unbiased	2.070	2.104	-0.034
150	39B_Unbiased	1.943	2.003	-0.060
150	40C_Unbiased	2.076	2.079	-0.003
Max		2.124	2.104	0.078
Average		2.024	2.038	-0.014
Min		1.910	1.951	-0.060
Std Dev		0.072	0.047	0.042

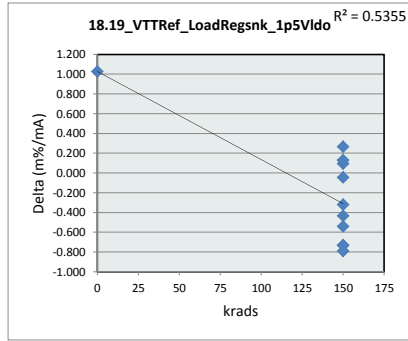


18.18_VTTRef_delta_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.046	1.951
Average	2.046	2.037
Max	2.046	2.104
UL	15.000	15.000

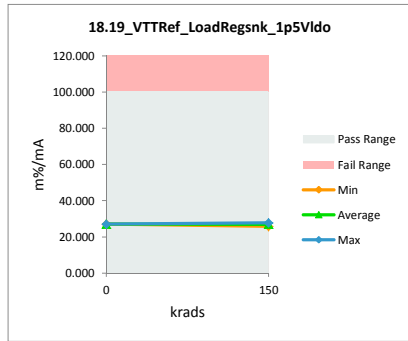


TID 150k HDR Rebound Report
TPS7H3301-SP

18.19_VTTRef_LoadRegsnk_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		m%/mA	m%/mA	
Max Limit		100	100	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	28.071	27.044	1.027
150	116A_Biased	26.698	27.018	-0.320
150	117A_Biased	25.270	25.810	-0.540
150	36B_biased	26.955	26.690	0.265
150	37B_Biased	26.412	27.144	-0.732
150	39C_Biased	27.725	27.632	0.093
150	118A_Unbiased	25.355	26.086	-0.731
150	140A_Unbiased	27.237	27.107	0.130
150	38B_Unbiased	27.328	27.762	-0.434
150	39B_Unbiased	25.773	26.562	-0.789
150	40C_Unbiased	27.495	27.540	-0.045
	Max	28.071	27.762	1.027
	Average	26.756	26.945	-0.189
	Min	25.270	25.810	-0.789
	Std Dev	0.952	0.617	0.551

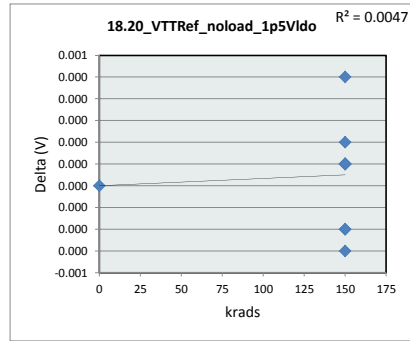


18.19_VTTRef_LoadRegsnk_1p5Vldo			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	100	m%/mA	
Min Limit	0	m%/mA	
	krads	0	150
LL	0.000	0.000	
Min	27.044	25.810	
Average	27.044	26.935	
Max	27.044	27.762	
UL	100.000	100.000	

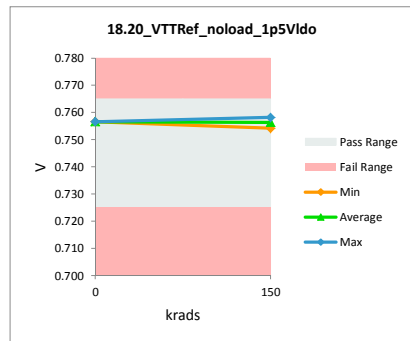


TID 150k HDR Rebound Report
TPS7H3301-SP

18.20_VTTRef_noload_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.765	0.765	
Min Limit		0.725	0.725	
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.757	0.757	0.000
150	116A_Biased	0.757	0.757	0.000
150	117A_Biased	0.756	0.756	0.000
150	36B_biased	0.756	0.756	0.000
150	37B_Biased	0.757	0.757	0.000
150	39C_Biased	0.756	0.756	0.000
150	118A_Unbiased	0.759	0.758	0.000
150	140A_Unbiased	0.757	0.757	0.000
150	38B_Unbiased	0.757	0.758	0.000
150	39B_Unbiased	0.754	0.754	0.000
150	40C_Unbiased	0.755	0.755	0.000
	Max	0.759	0.758	0.000
	Average	0.756	0.756	0.000
	Min	0.754	0.754	0.000
	Std Dev	0.001	0.001	0.000

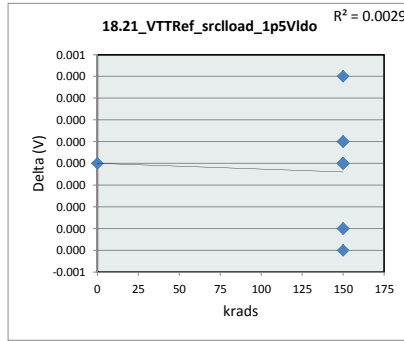


18.20_VTTRef_noload_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.725	V
krads	0	150
LL	0.725	0.725
Min	0.757	0.754
Average	0.757	0.756
Max	0.757	0.758
UL	0.765	0.765

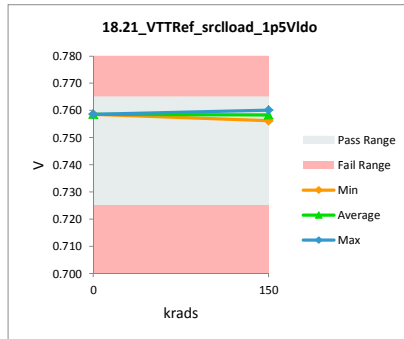


TID 150k HDR Rebound Report
TPS7H3301-SP

18.21_VTTRef_srcload_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.765	0.765	
Min Limit		0.725	0.725	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.759	0.759	0.000
150	116A_Biased	0.759	0.759	0.000
150	117A_Biased	0.758	0.758	0.000
150	36B_biased	0.758	0.758	0.000
150	37B_Biased	0.759	0.759	0.000
150	39C_Biased	0.758	0.758	0.000
150	118A_Unbiased	0.761	0.760	0.000
150	140A_Unbiased	0.759	0.758	0.000
150	38B_Unbiased	0.759	0.760	0.000
150	39B_Unbiased	0.756	0.756	0.000
150	40C_Unbiased	0.757	0.757	0.000
	Max	0.761	0.760	0.000
	Average	0.758	0.758	0.000
	Min	0.756	0.756	0.000
	Std Dev	0.001	0.001	0.000

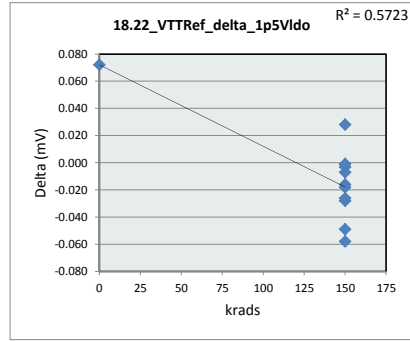


18.21_VTTRef_srcload_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.725	V
krads	0	150
LL	0.725	0.725
Min	0.759	0.756
Average	0.759	0.758
Max	0.759	0.760
UL	0.765	0.765

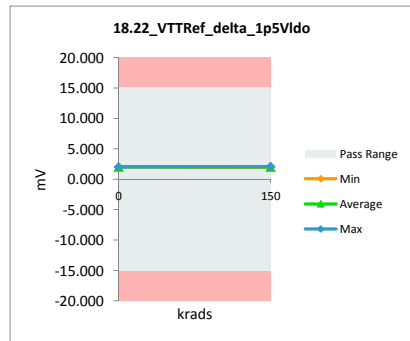


TID 150k HDR Rebound Report
TPS7H3301-SP

18.22_VTTRef_delta_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.104	2.032	0.072
150	116A_Biased	2.057	2.064	-0.007
150	117A_Biased	1.974	2.002	-0.028
150	36B_biased	2.014	2.030	-0.016
150	37B_Biased	2.014	2.032	-0.018
150	39C_Biased	2.069	2.095	-0.026
150	118A_Unbiased	1.932	1.935	-0.003
150	140A_Unbiased	2.063	2.035	0.028
150	38B_Unbiased	2.032	2.081	-0.049
150	39B_Unbiased	1.941	1.999	-0.058
150	40C_Unbiased	2.083	2.084	-0.001
Max		2.104	2.095	0.072
Average		2.026	2.035	-0.010
Min		1.932	1.935	-0.058
Std Dev		0.057	0.046	0.036

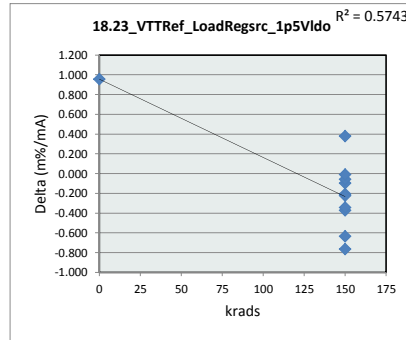


18.22_VTTRef_delta_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.032	1.935
Average	2.032	2.036
Max	2.032	2.095
UL	15.000	15.000

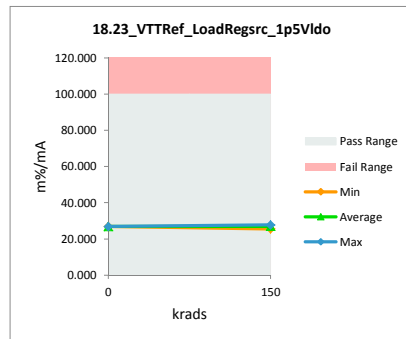


TID 150k HDR Rebound Report
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18.23_VTTRef_LoadRegrsrc_1p5Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	27.812	26.857	0.955
150	116A_Biased	27.173	27.270	-0.097
150	117A_Biased	26.124	26.496	-0.372
150	36B_biased	26.636	26.842	-0.206
150	37B_Biased	26.618	26.840	-0.222
150	39C_Biased	27.358	27.702	-0.344
150	118A_Unbiased	25.464	25.521	-0.057
150	140A_Unbiased	27.274	26.895	0.379
150	38B_Unbiased	26.834	27.468	-0.634
150	39B_Unbiased	25.741	26.506	-0.765
150	40C_Unbiased	27.587	27.596	-0.009
	Max	27.812	27.702	0.955
	Average	26.784	26.908	-0.125
	Min	25.464	25.521	-0.765
	Std Dev	0.758	0.618	0.473

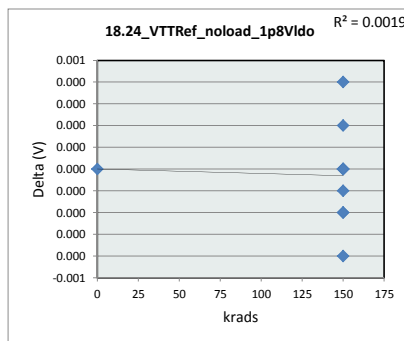


18.23_VTTRef_LoadRegrsrc_1p		
krads	0	150
LL	0.000	0.000
Min	26.857	25.521
Average	26.857	26.914
Max	26.857	27.702
UL	100.000	100.000

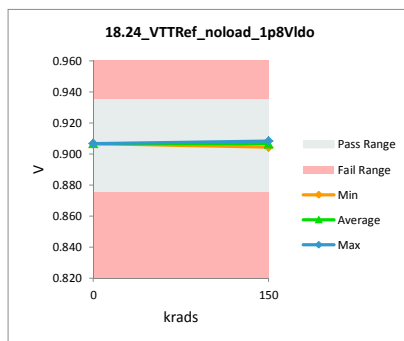


TID 150k HDR Rebound Report TPS7H3301-SP

18.24_VTTRef_noload_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.935	0.935	
Min Limit		0.875	0.875	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.907	0.907	0.000
150	116A_Biased	0.907	0.907	0.000
150	117A_Biased	0.906	0.906	0.000
150	36B_biased	0.906	0.906	0.000
150	37B_Biased	0.907	0.907	0.000
150	39C_Biased	0.906	0.906	0.000
150	118A_Unbiased	0.909	0.908	0.000
150	140A_Unbiased	0.907	0.907	0.000
150	38B_Unbiased	0.908	0.908	0.000
150	39B_Unbiased	0.904	0.904	0.000
150	40C_Unbiased	0.905	0.905	0.000
	Max	0.909	0.908	0.000
	Average	0.907	0.907	0.000
	Min	0.904	0.904	0.000
	Std Dev	0.001	0.001	0.000

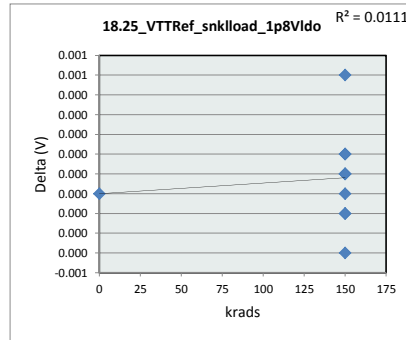


18.24_VTTRef_noload_1p8Vldo			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	0.935	V	
Min Limit	0.875	V	
krads	0	150	
LL	0.875	0.875	
Min	0.907	0.904	
Average	0.907	0.907	
Max	0.907	0.908	
UL	0.935	0.935	

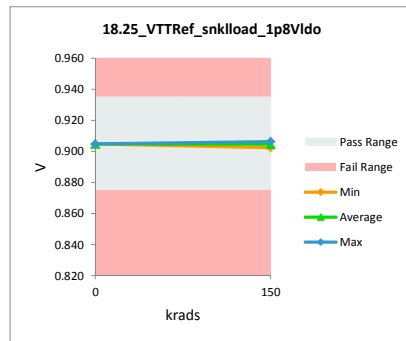


TID 150k HDR Rebound Report
TPS7H3301-SP

18.25_VTTRef_snkload_1p8Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.905	0.905	0.000
150	116A_Biased	0.905	0.905	0.000
150	117A_Biased	0.904	0.904	0.000
150	36B_biased	0.904	0.904	0.000
150	37B_Biased	0.905	0.905	0.000
150	39C_Biased	0.904	0.904	0.000
150	118A_Unbiased	0.907	0.906	0.000
150	140A_Unbiased	0.905	0.905	0.000
150	38B_Unbiased	0.905	0.906	0.000
150	39B_Unbiased	0.902	0.902	0.000
150	40C_Unbiased	0.903	0.903	0.000
	Max	0.907	0.906	0.000
	Average	0.904	0.905	0.000
	Min	0.902	0.902	0.000
	Std Dev	0.001	0.001	0.000

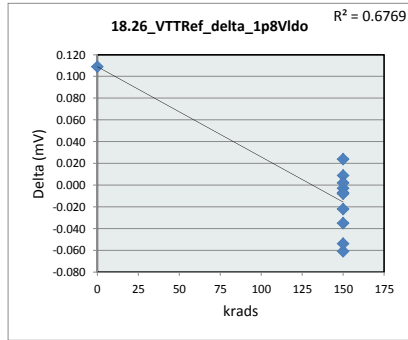


18.25_VTTRef_snkload_1p8Vldo			
krads	0	150	
LL	0.875	0.875	
Min	0.905	0.902	
Average	0.905	0.904	
Max	0.905	0.906	
UL	0.935	0.935	

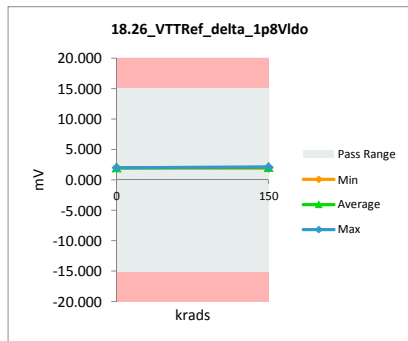


TID 150k HDR Rebound Report
TPS7H3301-SP

18.26_VTTRef_delta_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.100	1.991	0.109
150	116A_Biased	2.031	2.038	-0.007
150	117A_Biased	1.962	1.997	-0.035
150	36B_biased	2.017	2.008	0.009
150	37B_Biased	1.971	2.032	-0.061
150	39C_Biased	2.084	2.087	-0.003
150	118A_Unbiased	1.946	1.954	-0.008
150	140A_Unbiased	2.050	2.026	0.024
150	38B_Unbiased	2.050	2.072	-0.022
150	39B_Unbiased	1.999	2.053	-0.054
150	40C_Unbiased	2.124	2.122	0.002
	Max	2.124	2.122	0.109
	Average	2.030	2.035	-0.004
	Min	1.946	1.954	-0.061
	Std Dev	0.058	0.048	0.046

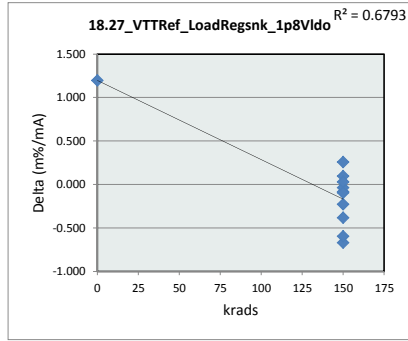


18.26_VTTRef_delta_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	1.991	1.954
Average	1.991	2.039
Max	1.991	2.122
UL	15.000	15.000

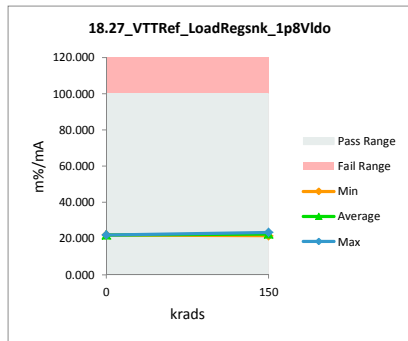


TID 150k HDR Rebound Report
TPS7H3301-SP

18.27_VTTRef_LoadRegsnk_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	23.156	21.958	1.198
150	116A_Biased	22.390	22.474	-0.084
150	117A_Biased	21.658	22.039	-0.381
150	36B_biased	22.252	22.157	0.095
150	37B_Biased	21.731	22.402	-0.671
150	39C_Biased	22.995	23.030	-0.035
150	118A_Unbiased	21.419	21.513	-0.094
150	140A_Unbiased	22.606	22.348	0.258
150	38B_Unbiased	22.587	22.816	-0.229
150	39B_Unbiased	22.106	22.701	-0.595
150	40C_Unbiased	23.468	23.439	0.029
	Max	23.468	23.439	1.198
	Average	22.397	22.443	-0.046
	Min	21.419	21.513	-0.671
	Std Dev	0.649	0.538	0.501

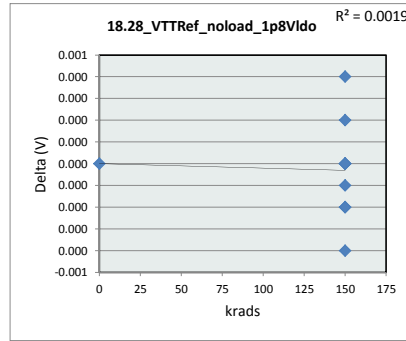


18.27_VTTRef_LoadRegsnk_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	m%/mA
Min Limit	0	m%/mA
krads	0	150
LL	0.000	0.000
Min	21.958	21.513
Average	21.958	22.492
Max	21.958	23.439
UL	100.000	100.000

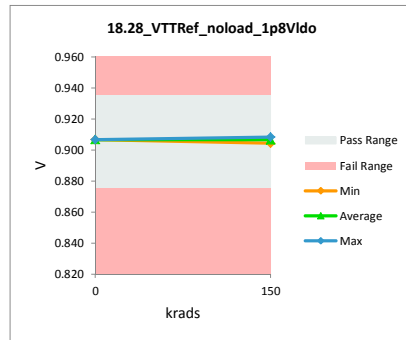


TID 150k HDR Rebound Report
TPS7H3301-SP

18.28_VTTRef_noload_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.935	0.935	
Min Limit		0.875	0.875	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.907	0.907	0.000
150	116A_Biased	0.907	0.907	0.000
150	117A_Biased	0.906	0.906	0.000
150	36B_biased	0.906	0.906	0.000
150	37B_Biased	0.907	0.907	0.000
150	39C_Biased	0.906	0.906	0.000
150	118A_Unbiased	0.909	0.908	0.000
150	140A_Unbiased	0.907	0.907	0.000
150	38B_Unbiased	0.908	0.908	0.000
150	39B_Unbiased	0.904	0.904	0.000
150	40C_Unbiased	0.905	0.905	0.000
	Max	0.909	0.908	0.000
	Average	0.907	0.907	0.000
	Min	0.904	0.904	0.000
	Std Dev	0.001	0.001	0.000

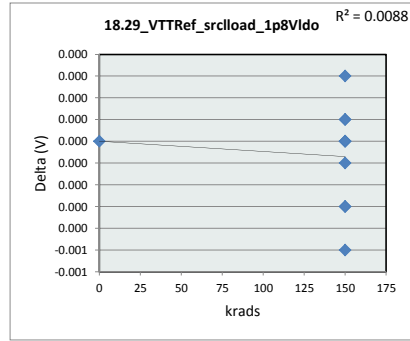


18.28_VTTRef_noload_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.935	V
Min Limit	0.875	V
krads	0	150
LL	0.875	0.875
Min	0.907	0.904
Average	0.907	0.907
Max	0.907	0.908
UL	0.935	0.935

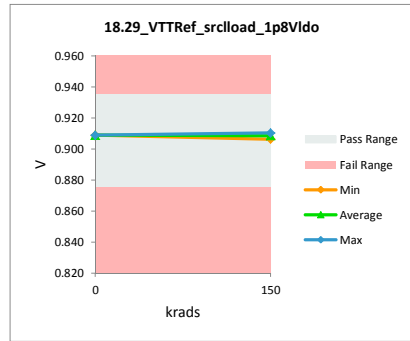


TID 150k HDR Rebound Report TPS7H3301-SP

18.29_VTTRef_srcload_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.935	0.935	
Min Limit		0.875	0.875	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.909	0.909	0.000
150	116A_Biased	0.909	0.909	0.000
150	117A_Biased	0.908	0.908	0.000
150	36B_biased	0.908	0.908	0.000
150	37B_Biased	0.909	0.909	0.000
150	39C_Biased	0.908	0.909	0.000
150	118A_Unbiased	0.911	0.910	0.000
150	140A_Unbiased	0.909	0.909	0.000
150	38B_Unbiased	0.910	0.910	0.000
150	39B_Unbiased	0.906	0.906	0.000
150	40C_Unbiased	0.907	0.907	0.000
	Max	0.911	0.910	0.000
	Average	0.909	0.909	0.000
	Min	0.906	0.906	0.000
	Std Dev	0.001	0.001	0.000

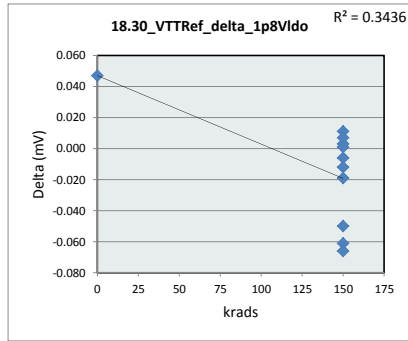


18.29_VTTRef_srcload_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.935	V
Min Limit	0.875	V
krads	0	150
LL	0.875	0.875
Min	0.909	0.906
Average	0.909	0.909
Max	0.909	0.910
UL	0.935	0.935

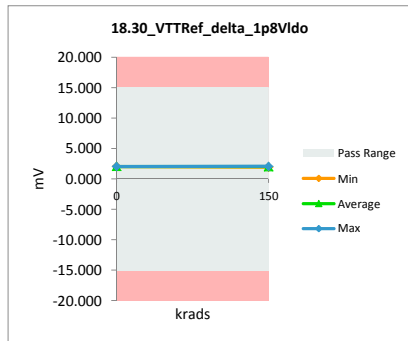


TID 150k HDR Rebound Report
TPS7H3301-SP

18.30_VTTRef_delta_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.101	2.054	0.047
150	116A_Biased	2.068	2.080	-0.012
150	117A_Biased	1.962	1.951	0.011
150	36B_biased	2.015	2.021	-0.006
150	37B_Biased	2.017	2.078	-0.061
150	39C_Biased	2.092	2.089	0.003
150	118A_Unbiased	1.914	1.980	-0.066
150	140A_Unbiased	2.053	2.052	0.001
150	38B_Unbiased	2.052	2.071	-0.019
150	39B_Unbiased	1.950	2.000	-0.050
150	40C_Unbiased	2.065	2.058	0.007
Max		2.101	2.089	0.047
Average		2.026	2.039	-0.013
Min		1.914	1.951	-0.066
Std Dev		0.061	0.045	0.034

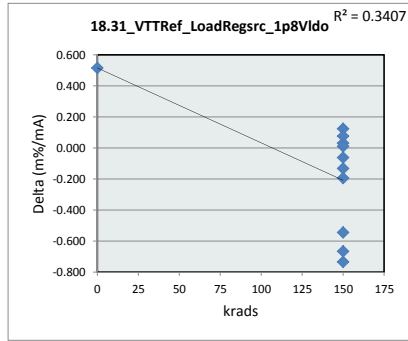


18.30_VTTRef_delta_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.054	1.951
Average	2.054	2.038
Max	2.054	2.089
UL	15.000	15.000

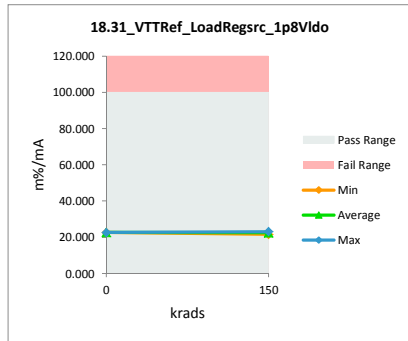


TID 150k HDR Rebound Report
TPS7H3301-SP

18.31_VTTRef_LoadRegrsrc_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		m%/mA	m%/mA	
Max Limit		100	100	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	23.170	22.656	0.514
150	116A_Biased	22.802	22.935	-0.133
150	117A_Biased	21.656	21.534	0.122
150	36B_biased	22.231	22.293	-0.062
150	37B_Biased	22.239	22.905	-0.666
150	39C_Biased	23.081	23.050	0.031
150	118A_Unbiased	21.065	21.800	-0.735
150	140A_Unbiased	22.643	22.633	0.010
150	38B_Unbiased	22.609	22.804	-0.195
150	39B_Unbiased	21.571	22.116	-0.545
150	40C_Unbiased	22.811	22.736	0.075
Max		23.170	23.050	0.514
Average		22.353	22.497	-0.144
Min		21.065	21.534	-0.735
Std Dev		0.674	0.496	0.374

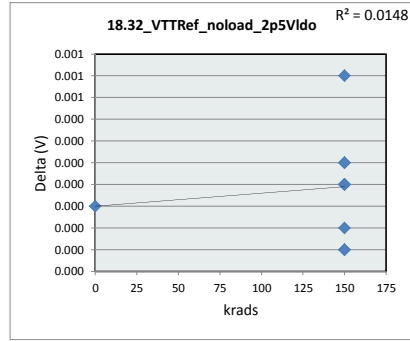


18.31_VTTRef_LoadRegrsrc_1p			
Test Site		Dallas, Tx	
Tester		ETS	
Test Number		EF636800	
Max Limit		100	m%/mA
Min Limit		0	m%/mA
krads		0	150
LL		0.000	0.000
Min		22.656	21.534
Average		22.656	22.481
Max		22.656	23.050
UL		100.000	100.000

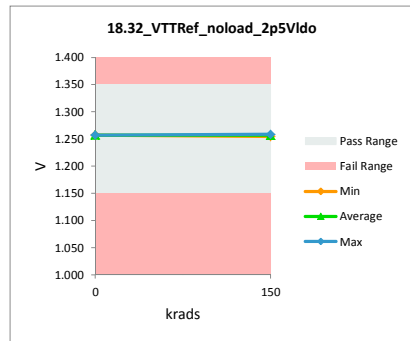


TID 150k HDR Rebound Report
TPS7H3301-SP

18.32_VTTRef_noload_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.35	1.35	
Min Limit		1.15	1.15	
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.257	1.257	0.000
150	116A_Biased	1.258	1.257	0.000
150	117A_Biased	1.257	1.256	0.000
150	36B_biased	1.257	1.257	0.000
150	37B_Biased	1.257	1.258	0.000
150	39C_Biased	1.257	1.257	0.000
150	118A_Unbiased	1.259	1.259	0.001
150	140A_Unbiased	1.257	1.257	0.000
150	38B_Unbiased	1.258	1.258	0.000
150	39B_Unbiased	1.255	1.255	0.000
150	40C_Unbiased	1.256	1.256	0.000
	Max	1.259	1.259	0.001
	Average	1.257	1.257	0.000
	Min	1.255	1.255	0.000
	Std Dev	0.001	0.001	0.000

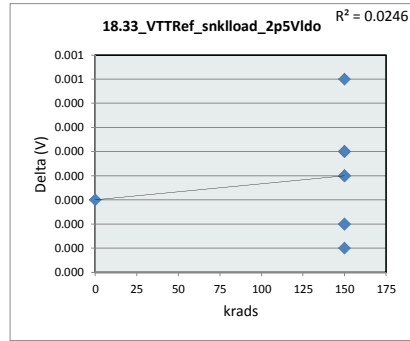


18.32_VTTRef_noload_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.35	V
Min Limit	1.15	V
krads	0	150
LL	1.150	1.150
Min	1.257	1.255
Average	1.257	1.257
Max	1.257	1.259
UL	1.350	1.350

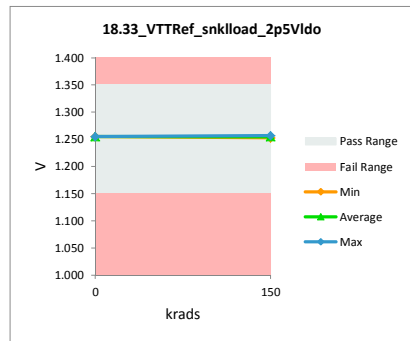


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18.33_VTTRef_snkload_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.35	1.35	
Min Limit		1.15	1.15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.255	1.255	0.000
150	116A_Biased	1.255	1.255	0.000
150	117A_Biased	1.255	1.254	0.000
150	36B_biased	1.255	1.255	0.000
150	37B_Biased	1.255	1.255	0.000
150	39C_Biased	1.255	1.255	0.000
150	118A_Unbiased	1.257	1.257	0.000
150	140A_Unbiased	1.255	1.255	0.000
150	38B_Unbiased	1.256	1.256	0.000
150	39B_Unbiased	1.253	1.253	0.000
150	40C_Unbiased	1.254	1.253	0.000
	Max	1.257	1.257	0.000
	Average	1.255	1.255	0.000
	Min	1.253	1.253	0.000
	Std Dev	0.001	0.001	0.000

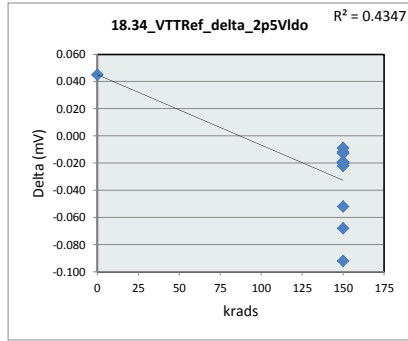


18.33_VTTRef_snkload_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.35	V
Min Limit	1.15	V
krads	0	150
LL	1.150	1.150
Min	1.255	1.253
Average	1.255	1.255
Max	1.255	1.257
UL	1.350	1.350

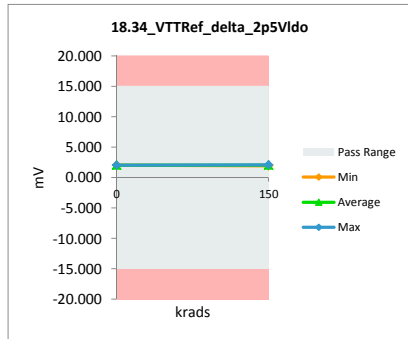


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18.34_VTTRef_delta_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.106	2.061	0.045
150	116A_Biased	2.052	2.074	-0.022
150	117A_Biased	1.964	1.984	-0.020
150	36B_biased	2.025	2.044	-0.019
150	37B_Biased	2.013	2.065	-0.052
150	39C_Biased	2.094	2.106	-0.012
150	118A_Unbiased	1.930	1.943	-0.013
150	140A_Unbiased	2.051	2.060	-0.009
150	38B_Unbiased	2.032	2.100	-0.068
150	39B_Unbiased	1.930	2.022	-0.092
150	40C_Unbiased	2.068	2.088	-0.020
Max		2.106	2.106	0.045
Average		2.024	2.050	-0.026
Min		1.930	1.943	-0.092
Std Dev		0.060	0.050	0.036

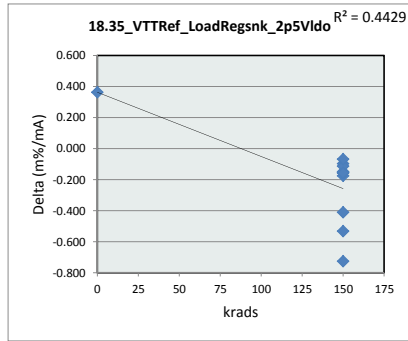


18.34_VTTRef_delta_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.061	1.943
Average	2.061	2.049
Max	2.061	2.106
UL	15.000	15.000

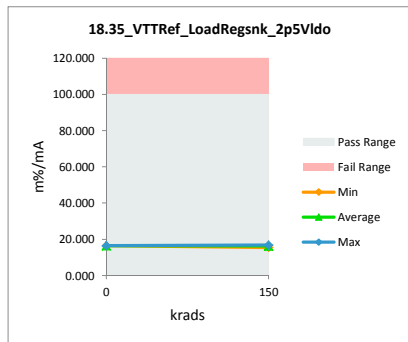


TID 150k HDR Rebound Report
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18.35_VTTRef_LoadRegsnk_2p5Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	16.754	16.393	0.361
150	116A_Biased	16.318	16.494	-0.176
150	117A_Biased	15.632	15.787	-0.155
150	36B_biased	16.111	16.260	-0.149
150	37B_Biased	16.009	16.420	-0.411
150	39C_Biased	16.659	16.757	-0.098
150	118A_Unbiased	15.325	15.439	-0.114
150	140A_Unbiased	16.319	16.387	-0.068
150	38B_Unbiased	16.153	16.685	-0.532
150	39B_Unbiased	15.389	16.115	-0.726
150	40C_Unbiased	16.469	16.627	-0.158
Max		16.754	16.757	0.361
Average		16.103	16.306	-0.202
Min		15.325	15.439	-0.726
Std Dev		0.480	0.397	0.281



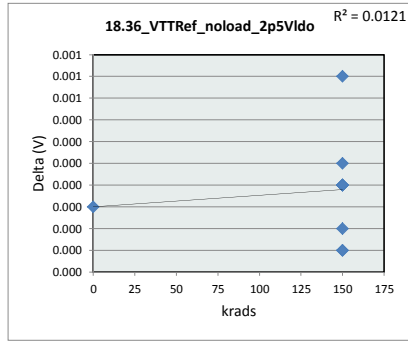
18.35_VTTRef_LoadRegsnk_2p5Vldo		
krads	0	150
LL	0.000	0.000
Min	16.393	15.439
Average	16.393	16.297
Max	16.393	16.757
UL	100.000	100.000



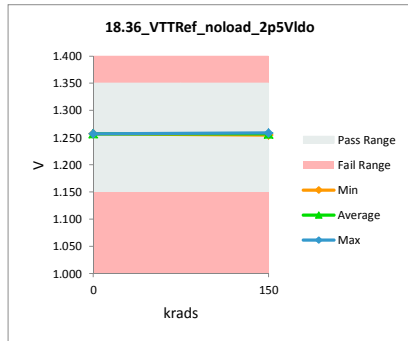
TID 150k HDR Rebound Report

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18.36_VTTRef_noload_2p5Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.257	1.257	0.000
150	116A_Biased	1.258	1.257	0.000
150	117A_Biased	1.257	1.256	0.000
150	36B_biased	1.257	1.257	0.000
150	37B_Biased	1.257	1.258	0.000
150	39C_Biased	1.257	1.257	0.000
150	118A_Unbiased	1.259	1.259	0.001
150	140A_Unbiased	1.257	1.257	0.000
150	38B_Unbiased	1.258	1.258	0.000
150	39B_Unbiased	1.255	1.255	0.000
150	40C_Unbiased	1.256	1.256	0.000
Max		1.259	1.259	0.001
Average		1.257	1.257	0.000
Min		1.255	1.255	0.000
Std Dev		0.001	0.001	0.000

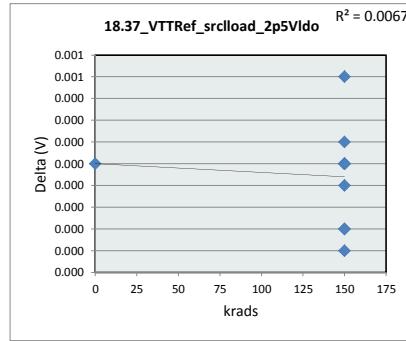


18.36_VTTRef_noload_2p5Vldo				
krads	0	150		
LL	1.150	1.150		
Min	1.257	1.255		
Average	1.257	1.257		
Max	1.257	1.259		
UL	1.350	1.350		

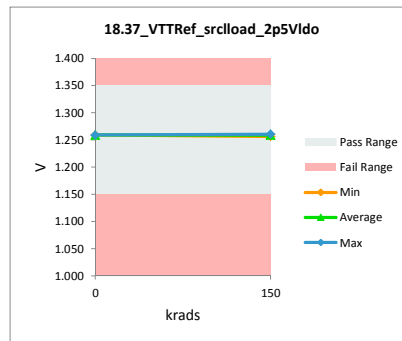


TID 150k HDR Rebound Report
TPS7H3301-SP

18.37_VTTRef_srcload_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.35	1.35	
Min Limit		1.15	1.15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.259	1.259	0.000
150	116A_Biased	1.260	1.259	0.000
150	117A_Biased	1.258	1.258	0.000
150	36B_biased	1.259	1.259	0.000
150	37B_Biased	1.259	1.260	0.000
150	39C_Biased	1.259	1.259	0.000
150	118A_Unbiased	1.261	1.261	0.001
150	140A_Unbiased	1.259	1.259	0.000
150	38B_Unbiased	1.260	1.260	0.000
150	39B_Unbiased	1.256	1.257	0.000
150	40C_Unbiased	1.258	1.258	0.000
Max		1.261	1.261	0.001
Average		1.259	1.259	0.000
Min		1.256	1.257	0.000
Std Dev		0.001	0.001	0.000

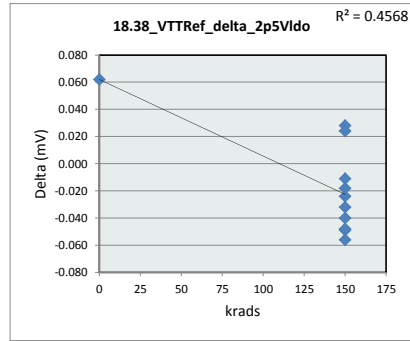


18.37_VTTRef_srcload_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.35	V
Min Limit	1.15	V
krads	0	150
LL	1.150	1.150
Min	1.259	1.257
Average	1.259	1.259
Max	1.259	1.261
UL	1.350	1.350

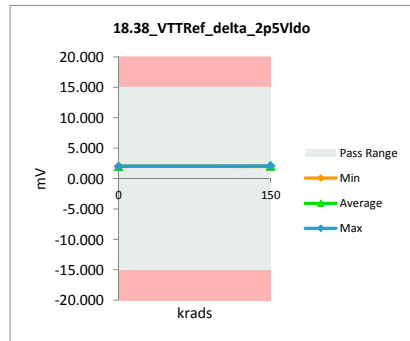


TID 150k HDR Rebound Report
TPS7H3301-SP

18.38_VTTRef_delta_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.100	2.038	0.062
150	116A_Biased	2.036	2.060	-0.024
150	117A_Biased	1.960	1.992	-0.032
150	36B_biased	2.025	1.997	0.028
150	37B_Biased	1.990	2.046	-0.056
150	39C_Biased	2.080	2.091	-0.011
150	118A_Unbiased	1.940	1.989	-0.049
150	140A_Unbiased	2.072	2.048	0.024
150	38B_Unbiased	2.060	2.100	-0.040
150	39B_Unbiased	1.963	2.011	-0.048
150	40C_Unbiased	2.058	2.076	-0.018
Max		2.100	2.100	0.062
Average		2.026	2.041	-0.015
Min		1.940	1.989	-0.056
Std Dev		0.055	0.039	0.038

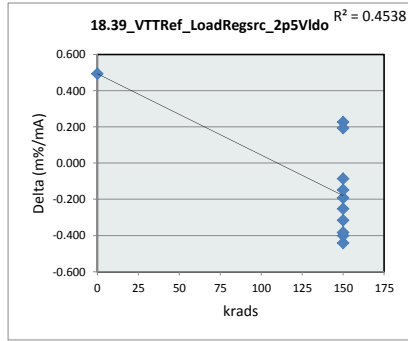


18.38_VTTRef_delta_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.038	1.989
Average	2.038	2.041
Max	2.038	2.100
UL	15.000	15.000

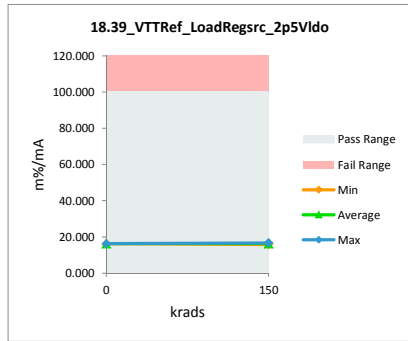


TID 150k HDR Rebound Report
TPS7H3301-SP

18.39_VTTRef_LoadRegrsrc_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	16.706	16.213	0.493
150	116A_Biased	16.192	16.385	-0.193
150	117A_Biased	15.601	15.854	-0.253
150	36B_biased	16.115	15.888	0.227
150	37B_Biased	15.827	16.269	-0.442
150	39C_Biased	16.549	16.635	-0.086
150	118A_Unbiased	15.405	15.805	-0.400
150	140A_Unbiased	16.483	16.291	0.192
150	38B_Unbiased	16.374	16.690	-0.316
150	39B_Unbiased	15.648	16.031	-0.383
150	40C_Unbiased	16.385	16.534	-0.149
Max		16.706	16.690	0.493
Average		16.117	16.236	-0.119
Min		15.405	15.805	-0.442
Std Dev		0.435	0.312	0.301

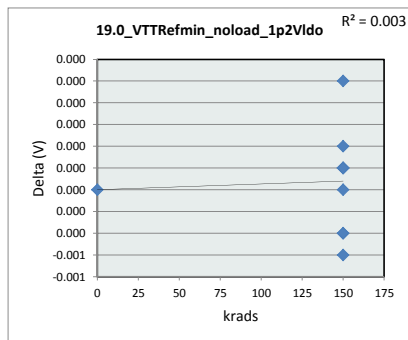


18.39_VTTRef_LoadRegrsrc_2p		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	m%/mA
Min Limit	0	m%/mA
krads	0	150
LL	0.000	0.000
Min	16.213	15.805
Average	16.213	16.238
Max	16.213	16.690
UL	100.000	100.000

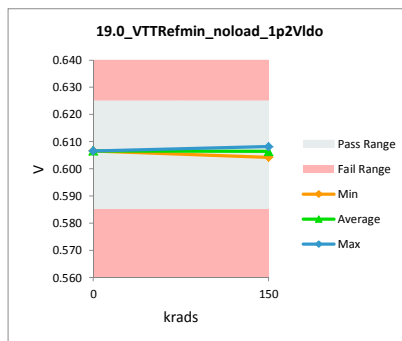


TID 150k HDR Rebound Report
TPS7H3301-SP

19.0_VTTRefmin_noload_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.606	0.607	0.000
150	116A_Biased	0.607	0.607	0.000
150	117A_Biased	0.606	0.606	0.000
150	36B_biased	0.606	0.606	0.000
150	37B_Biased	0.607	0.607	0.000
150	39C_Biased	0.606	0.606	0.000
150	118A_Unbiased	0.609	0.608	0.000
150	140A_Unbiased	0.607	0.607	0.000
150	38B_Unbiased	0.607	0.608	0.000
150	39B_Unbiased	0.604	0.604	0.000
150	40C_Unbiased	0.605	0.605	0.000
Max		0.609	0.608	0.000
Average		0.606	0.606	0.000
Min		0.604	0.604	0.000
Std Dev		0.001	0.001	0.000

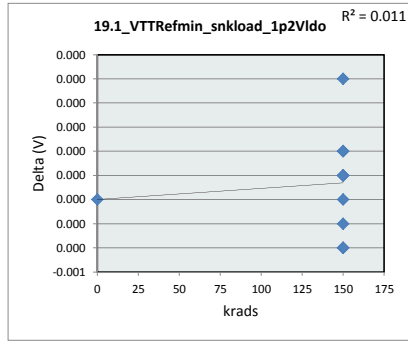


19.0_VTTRefmin_noload_1p2Vldo				
Test Site	Dallas, Tx			
Tester	ETS			
Test Number	EF636800			
Max Limit	0.625	V		
Min Limit	0.585	V		
krads	0	150		
LL	0.585	0.585		
Min	0.607	0.604		
Average	0.607	0.606		
Max	0.607	0.608		
UL	0.625	0.625		

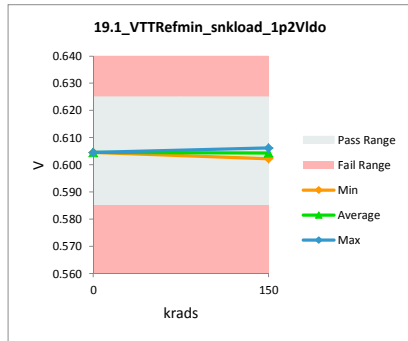


TID 150k HDR Rebound Report
TPS7H3301-SP

19.1_VTTRefmin_snkload_1p2Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.604	0.604	0.000
150	116A_Biased	0.605	0.605	0.000
150	117A_Biased	0.604	0.604	0.000
150	36B_biased	0.604	0.604	0.000
150	37B_Biased	0.605	0.605	0.000
150	39C_Biased	0.604	0.604	0.000
150	118A_Unbiased	0.607	0.606	0.000
150	140A_Unbiased	0.604	0.604	0.000
150	38B_Unbiased	0.605	0.606	0.000
150	39B_Unbiased	0.602	0.602	0.000
150	40C_Unbiased	0.603	0.603	0.000
	Max	0.607	0.606	0.000
	Average	0.604	0.604	0.000
	Min	0.602	0.602	0.000
	Std Dev	0.001	0.001	0.000

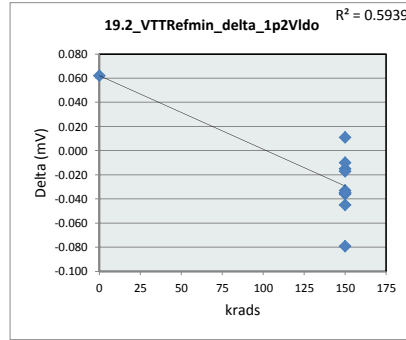


19.1_VTTRefmin_snkload_1p2		
krads	0	150
LL	0.585	0.585
Min	0.605	0.602
Average	0.605	0.604
Max	0.605	0.606
UL	0.625	0.625

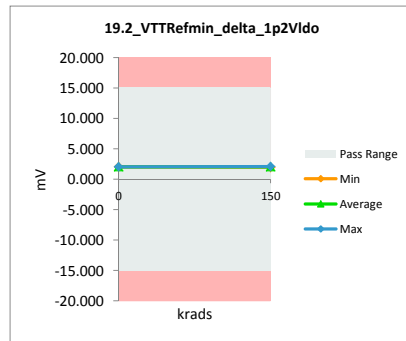


TID 150k HDR Rebound Report
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19.2_VTTRefmin_delta_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.101	2.039	0.062
150	116A_Biased	2.029	2.044	-0.015
150	117A_Biased	1.968	2.004	-0.036
150	36B_biased	2.008	2.025	-0.017
150	37B_Biased	1.984	2.019	-0.035
150	39C_Biased	2.072	2.105	-0.033
150	118A_Unbiased	1.957	1.967	-0.010
150	140A_Unbiased	2.054	2.043	0.011
150	38B_Unbiased	2.031	2.076	-0.045
150	39B_Unbiased	1.950	2.029	-0.079
150	40C_Unbiased	2.079	2.114	-0.035
	Max	2.101	2.114	0.062
	Average	2.021	2.042	-0.021
	Min	1.950	1.967	-0.079
	Std Dev	0.052	0.043	0.036

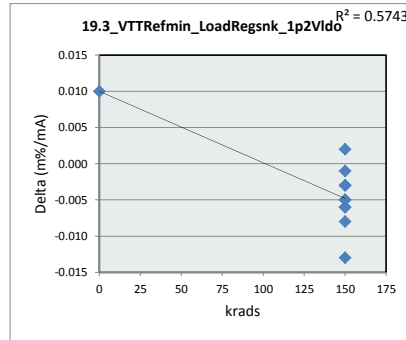


19.2_VTTRefmin_delta_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.039	1.967
Average	2.039	2.043
Max	2.039	2.114
UL	15.000	15.000

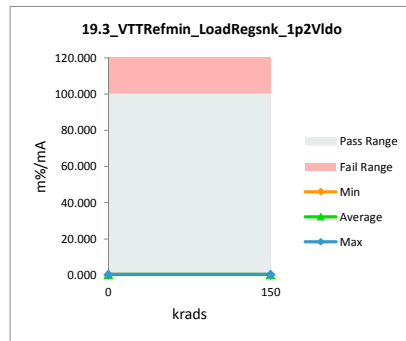


TID 150k HDR Rebound Report
TPS7H3301-SP

19.3_VTTRefmin_LoadRegsnk_1p2Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.346	0.336	0.010
150	116A_Biased	0.334	0.337	-0.003
150	117A_Biased	0.325	0.331	-0.006
150	36B_biased	0.331	0.334	-0.003
150	37B_Biased	0.327	0.333	-0.006
150	39C_Biased	0.342	0.347	-0.005
150	118A_Unbiased	0.322	0.323	-0.001
150	140A_Unbiased	0.339	0.337	0.002
150	38B_Unbiased	0.334	0.342	-0.008
150	39B_Unbiased	0.323	0.336	-0.013
150	40C_Unbiased	0.344	0.349	-0.005
	Max	0.346	0.349	0.010
	Average	0.333	0.337	-0.003
	Min	0.322	0.323	-0.013
	Std Dev	0.009	0.007	0.006

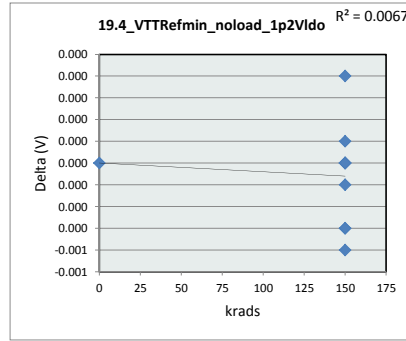


19.3_VTTRefmin_LoadRegsnk		
krads	0	150
LL	0.000	0.000
Min	0.336	0.323
Average	0.336	0.337
Max	0.336	0.349
UL	100.000	100.000

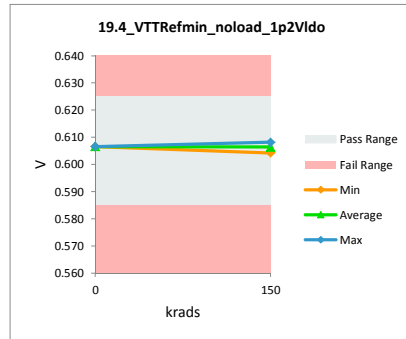


TID 150k HDR Rebound Report
TPS7H3301-SP

19.4_VTTRefmin_noload_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.607	0.607	0.000
150	116A_Biased	0.607	0.607	0.000
150	117A_Biased	0.606	0.606	0.000
150	36B_biased	0.606	0.606	0.000
150	37B_Biased	0.607	0.607	0.000
150	39C_Biased	0.606	0.606	0.000
150	118A_Unbiased	0.609	0.608	0.000
150	140A_Unbiased	0.607	0.607	0.000
150	38B_Unbiased	0.607	0.608	0.000
150	39B_Unbiased	0.604	0.604	0.000
150	40C_Unbiased	0.605	0.605	0.000
	Max	0.609	0.608	0.000
	Average	0.606	0.606	0.000
	Min	0.604	0.604	0.000
	Std Dev	0.001	0.001	0.000

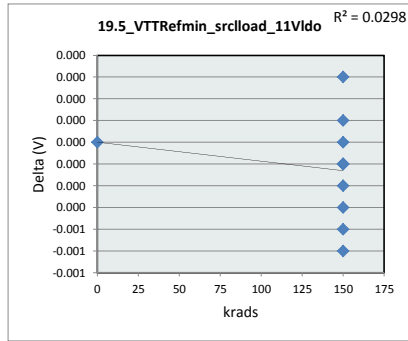


19.4_VTTRefmin_noload_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.625	V
Min Limit	0.585	V
krads	0	150
LL	0.585	0.585
Min	0.607	0.604
Average	0.607	0.606
Max	0.607	0.608
UL	0.625	0.625

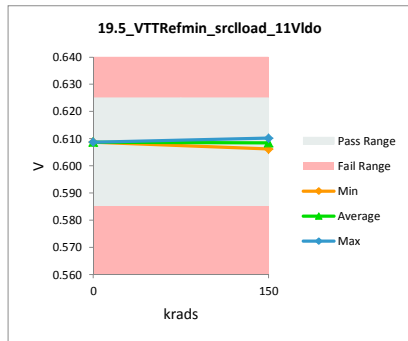


TID 150k HDR Rebound Report
TPS7H3301-SP

19.5_VTTRefmin_srcload_11Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.609	0.609	0.000
150	116A_Biased	0.609	0.609	0.000
150	117A_Biased	0.608	0.608	0.000
150	36B_biased	0.608	0.608	0.000
150	37B_Biased	0.609	0.609	0.000
150	39C_Biased	0.608	0.608	0.000
150	118A_Unbiased	0.610	0.610	0.000
150	140A_Unbiased	0.609	0.609	0.000
150	38B_Unbiased	0.609	0.610	-0.001
150	39B_Unbiased	0.606	0.606	0.000
150	40C_Unbiased	0.607	0.607	0.000
	Max	0.610	0.610	0.000
	Average	0.608	0.608	0.000
	Min	0.606	0.606	-0.001
	Std Dev	0.001	0.001	0.000

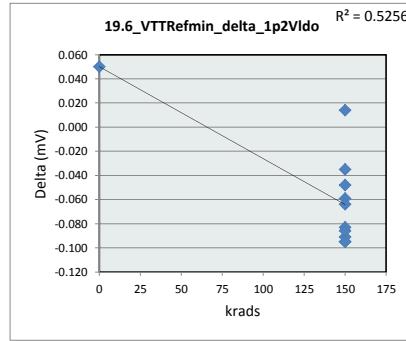


19.5_VTTRefmin_srcload_11V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.625	V
Min Limit	0.585	V
krads	0	150
LL	0.585	0.585
Min	0.609	0.606
Average	0.609	0.608
Max	0.609	0.610
UL	0.625	0.625

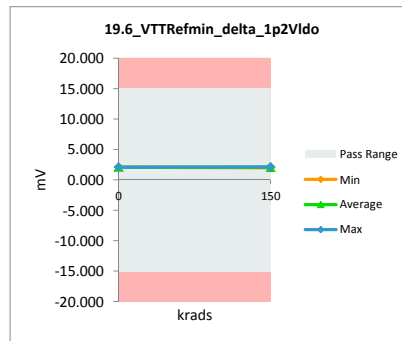


TID 150k HDR Rebound Report
TPS7H3301-SP

19.6_VTTRefmin_delta_1p2Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.151	2.101	0.050
150	116A_Biased	2.070	2.129	-0.059
150	117A_Biased	1.953	1.988	-0.035
150	36B_biased	1.956	2.047	-0.091
150	37B_Biased	2.005	2.100	-0.095
150	39C_Biased	2.046	2.129	-0.083
150	118A_Unbiased	1.923	1.987	-0.064
150	140A_Unbiased	2.122	2.108	0.014
150	38B_Unbiased	2.060	2.155	-0.095
150	39B_Unbiased	1.931	2.017	-0.086
150	40C_Unbiased	2.036	2.084	-0.048
	Max	2.151	2.155	0.050
	Average	2.023	2.077	-0.054
	Min	1.923	1.987	-0.095
	Std Dev	0.077	0.058	0.047

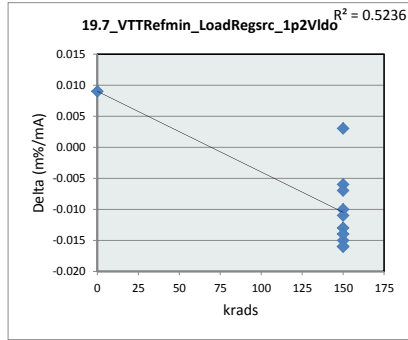


19.6_VTTRefmin_delta_1p2Vldo		
krads	0	150
LL	-15.000	-15.000
Min	2.101	1.987
Average	2.101	2.074
Max	2.101	2.155
UL	15.000	15.000

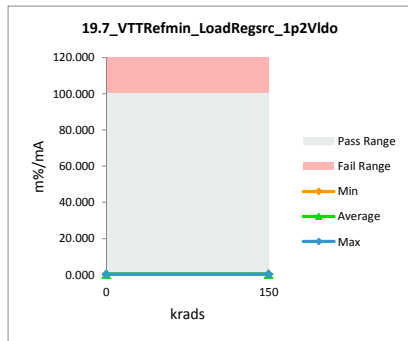


TID 150k HDR Rebound Report
TPS7H3301-SP

19.7_VTTRefmin_LoadRegrsrc_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		m%/mA	m%/mA	
Max Limit		100	100	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.355	0.346	0.009
150	116A_Biased	0.341	0.351	-0.010
150	117A_Biased	0.322	0.328	-0.006
150	36B_biased	0.323	0.338	-0.015
150	37B_Biased	0.330	0.346	-0.016
150	39C_Biased	0.338	0.351	-0.013
150	118A_Unbiased	0.316	0.327	-0.011
150	140A_Unbiased	0.350	0.347	0.003
150	38B_Unbiased	0.339	0.355	-0.016
150	39B_Unbiased	0.320	0.334	-0.014
150	40C_Unbiased	0.337	0.344	-0.007
	Max	0.355	0.355	0.009
	Average	0.334	0.342	-0.009
	Min	0.316	0.327	-0.016
	Std Dev	0.013	0.009	0.008

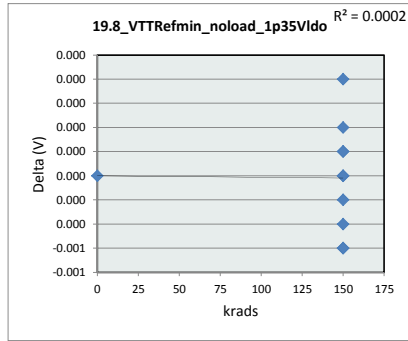


19.7_VTTRefmin_LoadRegrsrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	m%/mA
Min Limit	0	m%/mA
krads	0	150
LL	0.000	0.000
Min	0.346	0.327
Average	0.346	0.342
Max	0.346	0.355
UL	100.000	100.000

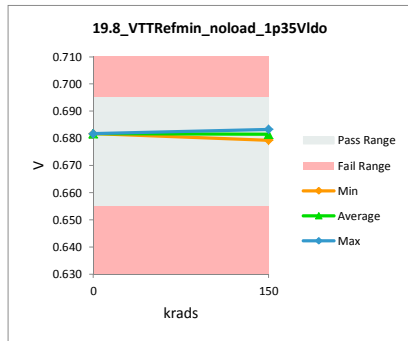


TID 150k HDR Rebound Report
TPS7H3301-SP

19.8_VTTRefmin_noload_1p35Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.682	0.682	0.000
150	116A_Biased	0.682	0.682	0.000
150	117A_Biased	0.681	0.681	0.000
150	36B_biased	0.681	0.681	0.000
150	37B_Biased	0.682	0.682	-0.001
150	39C_Biased	0.681	0.681	0.000
150	118A_Unbiased	0.683	0.683	0.000
150	140A_Unbiased	0.682	0.682	0.000
150	38B_Unbiased	0.682	0.683	-0.001
150	39B_Unbiased	0.679	0.679	0.000
150	40C_Unbiased	0.680	0.680	0.000
	Max	0.683	0.683	0.000
	Average	0.681	0.682	0.000
	Min	0.679	0.679	-0.001
	Std Dev	0.001	0.001	0.000

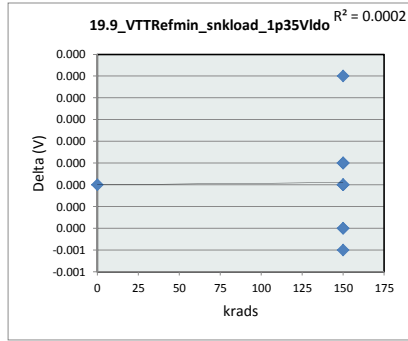


19.8_VTTRefmin_noload_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.695	V
Min Limit	0.655	V
krads	0	150
LL	0.655	0.655
Min	0.682	0.679
Average	0.682	0.682
Max	0.682	0.683
UL	0.695	0.695

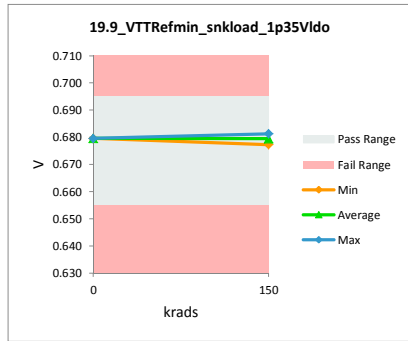


TID 150k HDR Rebound Report
TPS7H3301-SP

19.9_VTTRefmin_snkload_1p35Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.695	0.695	
Min Limit		0.655	0.655	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.679	0.680	0.000
150	116A_Biased	0.680	0.680	0.000
150	117A_Biased	0.679	0.679	0.000
150	36B_biased	0.679	0.679	0.000
150	37B_Biased	0.680	0.680	0.000
150	39C_Biased	0.679	0.679	0.000
150	118A_Unbiased	0.682	0.681	0.000
150	140A_Unbiased	0.679	0.680	0.000
150	38B_Unbiased	0.680	0.681	-0.001
150	39B_Unbiased	0.677	0.677	0.000
150	40C_Unbiased	0.678	0.678	0.000
	Max	0.682	0.681	0.000
	Average	0.679	0.679	0.000
	Min	0.677	0.677	-0.001
	Std Dev	0.001	0.001	0.000

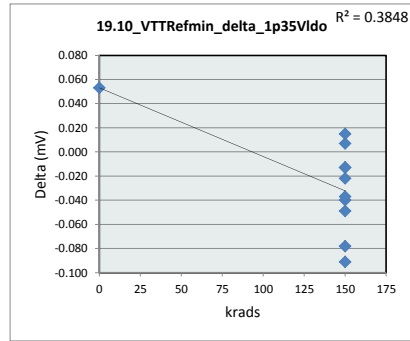


19.9_VTTRefmin_snkload_1p3		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.695	V
Min Limit	0.655	V
krads	0	150
LL	0.655	0.655
Min	0.680	0.677
Average	0.680	0.679
Max	0.680	0.681
UL	0.695	0.695

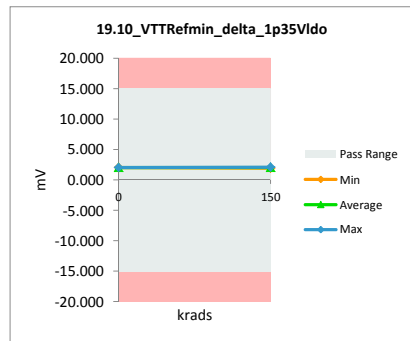


TID 150k HDR Rebound Report
TPS7H3301-SP

19.10_VTTRefmin_delta_1p35Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.098	2.045	0.053
150	116A_Biased	2.029	2.051	-0.022
150	117A_Biased	1.956	1.949	0.007
150	36B_biased	2.029	2.042	-0.013
150	37B_Biased	1.983	2.074	-0.091
150	39C_Biased	2.082	2.095	-0.013
150	118A_Unbiased	1.936	1.976	-0.040
150	140A_Unbiased	2.056	2.041	0.015
150	38B_Unbiased	2.060	2.109	-0.049
150	39B_Unbiased	1.989	2.067	-0.078
150	40C_Unbiased	2.058	2.095	-0.037
	Max	2.098	2.109	0.053
	Average	2.025	2.049	-0.024
	Min	1.936	1.949	-0.091
	Std Dev	0.053	0.049	0.041

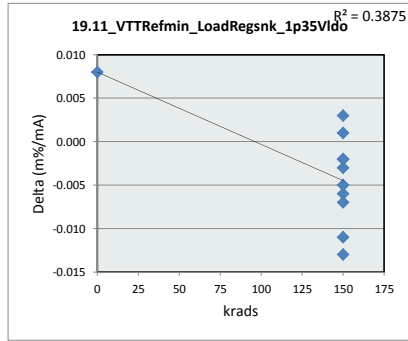


19.10_VTTRefmin_delta_1p35		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.045	1.949
Average	2.045	2.050
Max	2.045	2.109
UL	15.000	15.000

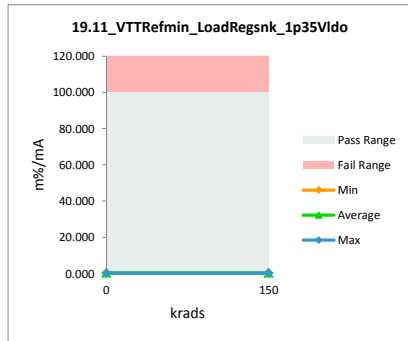


TID 150k HDR Rebound Report
TPS7H3301-SP

19.11_VTTRefmin_LoadRegsnk_1p35Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.308	0.300	0.008
150	116A_Biased	0.298	0.301	-0.003
150	117A_Biased	0.287	0.286	0.001
150	36B_biased	0.298	0.300	-0.002
150	37B_Biased	0.291	0.304	-0.013
150	39C_Biased	0.306	0.308	-0.002
150	118A_Unbiased	0.283	0.289	-0.006
150	140A_Unbiased	0.302	0.299	0.003
150	38B_Unbiased	0.302	0.309	-0.007
150	39B_Unbiased	0.293	0.304	-0.011
150	40C_Unbiased	0.303	0.308	-0.005
	Max	0.308	0.309	0.008
	Average	0.297	0.301	-0.003
	Min	0.283	0.286	-0.013
	Std Dev	0.008	0.007	0.006

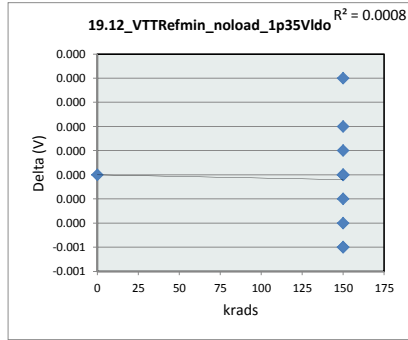


19.11_VTTRefmin_LoadRegsnk_1p35Vldo		
krads	0	150
LL	0.000	0.000
Min	0.300	0.286
Average	0.300	0.301
Max	0.300	0.309
UL	100.000	100.000

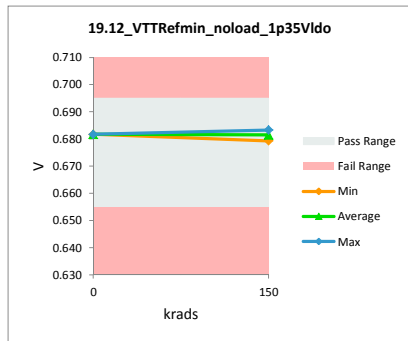


TID 150k HDR Rebound Report
TPS7H3301-SP

19.12_VTTRefmin_noload_1p35Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.682	0.682	0.000
150	116A_Biased	0.682	0.682	0.000
150	117A_Biased	0.681	0.681	0.000
150	36B_biased	0.681	0.681	0.000
150	37B_Biased	0.682	0.682	-0.001
150	39C_Biased	0.681	0.681	0.000
150	118A_Unbiased	0.683	0.683	0.000
150	140A_Unbiased	0.682	0.682	0.000
150	38B_Unbiased	0.682	0.683	-0.001
150	39B_Unbiased	0.679	0.679	0.000
150	40C_Unbiased	0.680	0.680	0.000
	Max	0.683	0.683	0.000
	Average	0.681	0.682	0.000
	Min	0.679	0.679	-0.001
	Std Dev	0.001	0.001	0.000

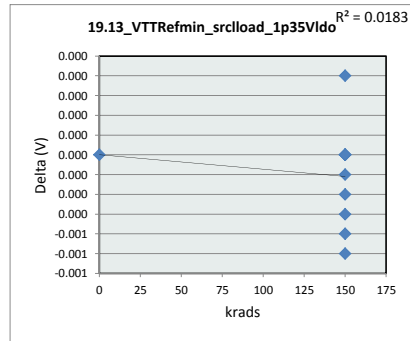


19.12_VTTRefmin_noload_1p35Vldo		
krads	0	150
LL	0.655	0.655
Min	0.682	0.679
Average	0.682	0.682
Max	0.682	0.683
UL	0.695	0.695

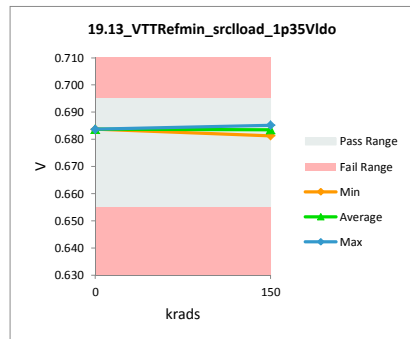


TID 150k HDR Rebound Report
TPS7H3301-SP

19.13_VTTRefmin_srcload_1p35Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.684	0.684	0.000
150	116A_Biased	0.684	0.684	0.000
150	117A_Biased	0.683	0.683	0.000
150	36B_biased	0.683	0.683	0.000
150	37B_Biased	0.684	0.684	0.000
150	39C_Biased	0.683	0.683	0.000
150	118A_Unbiased	0.686	0.685	0.000
150	140A_Unbiased	0.684	0.684	0.000
150	38B_Unbiased	0.684	0.685	-0.001
150	39B_Unbiased	0.681	0.681	0.000
150	40C_Unbiased	0.682	0.682	0.000
	Max	0.686	0.685	0.000
	Average	0.683	0.684	0.000
	Min	0.681	0.681	-0.001
	Std Dev	0.001	0.001	0.000

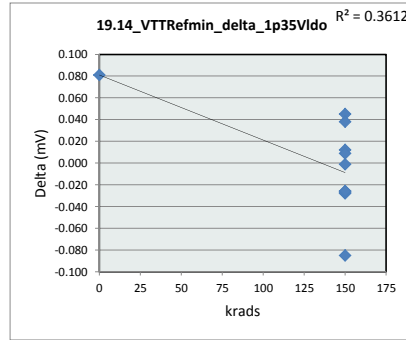


19.13_VTTRefmin_srcload_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.695	V
Min Limit	0.655	V
krads	0	150
LL	0.655	0.655
Min	0.684	0.681
Average	0.684	0.684
Max	0.684	0.685
UL	0.695	0.695

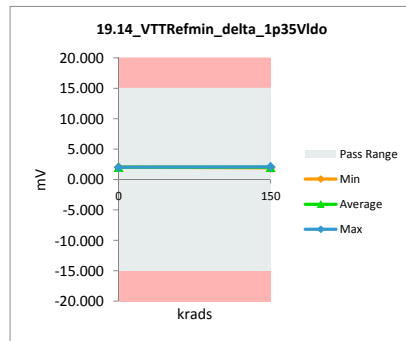


TID 150k HDR Rebound Report
TPS7H3301-SP

19.14_VTTRefmin_delta_1p35Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.105	2.024	0.081
150	116A_Biased	2.061	2.016	0.045
150	117A_Biased	1.978	2.004	-0.026
150	36B_biased	2.037	2.025	0.012
150	37B_Biased	2.026	1.988	0.038
150	39C_Biased	2.097	2.098	-0.001
150	118A_Unbiased	1.911	1.939	-0.028
150	140A_Unbiased	2.053	2.044	0.009
150	38B_Unbiased	2.044	2.071	-0.027
150	39B_Unbiased	1.925	2.010	-0.085
150	40C_Unbiased	2.082	2.108	-0.026
	Max	2.105	2.108	0.081
	Average	2.029	2.030	-0.001
	Min	1.911	1.939	-0.085
	Std Dev	0.065	0.049	0.045

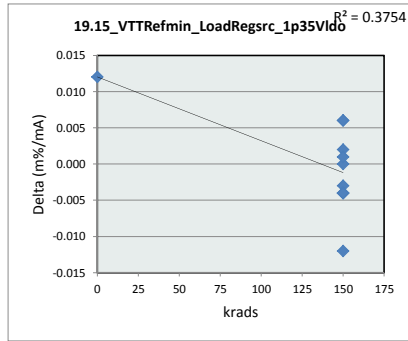


19.14_VTTRefmin_delta_1p35Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.024	1.939
Average	2.024	2.030
Max	2.024	2.108
UL	15.000	15.000

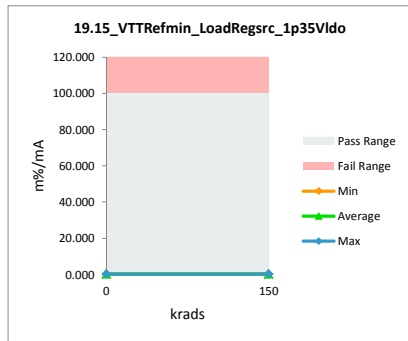


TID 150k HDR Rebound Report
TPS7H3301-SP

19.15_VTTRefmin_LoadRegsrc_1p35Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.309	0.297	0.012
150	116A_Biased	0.302	0.296	0.006
150	117A_Biased	0.291	0.294	-0.003
150	36B_biased	0.299	0.297	0.002
150	37B_Biased	0.297	0.291	0.006
150	39C_Biased	0.308	0.308	0.000
150	118A_Unbiased	0.280	0.284	-0.004
150	140A_Unbiased	0.301	0.300	0.001
150	38B_Unbiased	0.299	0.303	-0.004
150	39B_Unbiased	0.284	0.296	-0.012
150	40C_Unbiased	0.306	0.310	-0.004
	Max	0.309	0.310	0.012
	Average	0.298	0.298	0.000
	Min	0.280	0.284	-0.012
	Std Dev	0.009	0.007	0.006

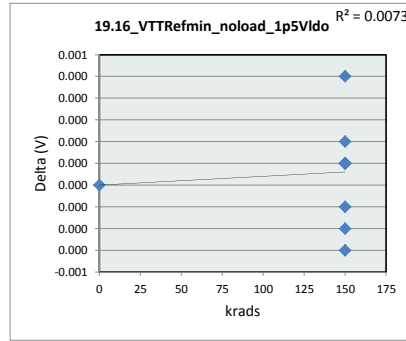


19.15_VTTRefmin_LoadRegsrc_1p35Vldo		
krads	0	150
LL	0.000	0.000
Min	0.297	0.284
Average	0.297	0.298
Max	0.297	0.310
UL	100.000	100.000

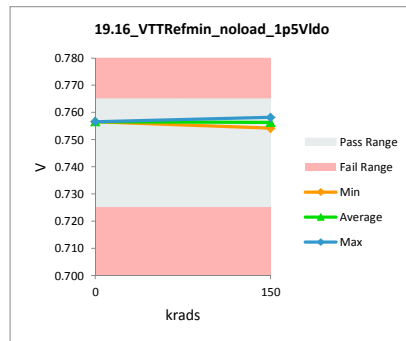


TID 150k HDR Rebound Report
TPS7H3301-SP

19.16_VTTRefmin_noload_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.757	0.757	0.000
150	116A_Biased	0.757	0.757	0.000
150	117A_Biased	0.756	0.756	0.000
150	36B_biased	0.756	0.756	0.000
150	37B_Biased	0.757	0.757	0.000
150	39C_Biased	0.756	0.756	0.000
150	118A_Unbiased	0.759	0.758	0.000
150	140A_Unbiased	0.757	0.757	0.000
150	38B_Unbiased	0.757	0.758	0.000
150	39B_Unbiased	0.754	0.754	0.000
150	40C_Unbiased	0.755	0.755	0.000
	Max	0.759	0.758	0.000
	Average	0.756	0.756	0.000
	Min	0.754	0.754	0.000
	Std Dev	0.001	0.001	0.000

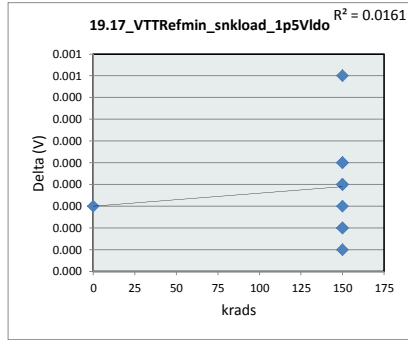


19.16_VTTRefmin_noload_1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.725	V
krads	0	150
LL	0.725	0.725
Min	0.757	0.754
Average	0.757	0.756
Max	0.757	0.758
UL	0.765	0.765

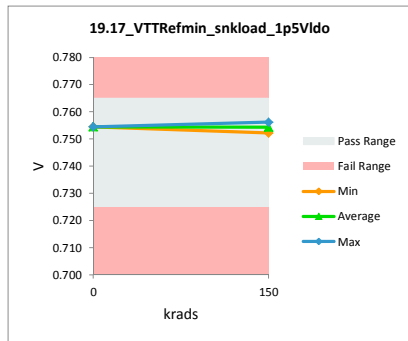


TID 150k HDR Rebound Report
TPS7H3301-SP

19.17_VTTRefmin_snkload_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.754	0.754	0.000
150	116A_Biased	0.755	0.755	0.000
150	117A_Biased	0.754	0.754	0.000
150	36B_biased	0.754	0.754	0.000
150	37B_Biased	0.755	0.755	0.000
150	39C_Biased	0.754	0.754	0.000
150	118A_Unbiased	0.757	0.756	0.000
150	140A_Unbiased	0.754	0.754	0.000
150	38B_Unbiased	0.755	0.756	0.000
150	39B_Unbiased	0.752	0.752	0.000
150	40C_Unbiased	0.753	0.753	0.000
Max		0.757	0.756	0.000
Average		0.754	0.754	0.000
Min		0.752	0.752	0.000
Std Dev		0.001	0.001	0.000

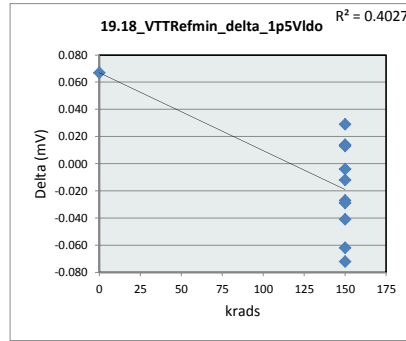


19.17_VTTRefmin_snkload_1p		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.725	V
krads	0	150
LL	0.725	0.725
Min	0.755	0.752
Average	0.755	0.754
Max	0.755	0.756
UL	0.765	0.765

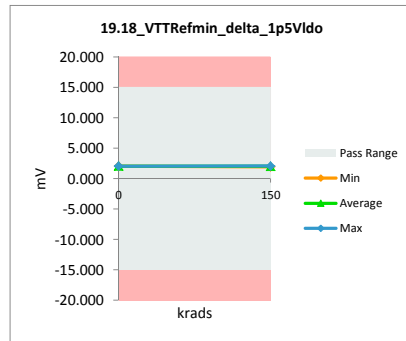


TID 150k HDR Rebound Report
TPS7H3301-SP

19.18_VTTRefmin_delta_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.117	2.050	0.067
150	116A_Biased	2.035	2.047	-0.012
150	117A_Biased	1.923	1.950	-0.027
150	36B_biased	2.042	2.028	0.014
150	37B_Biased	1.998	2.060	-0.062
150	39C_Biased	2.100	2.087	0.013
150	118A_Unbiased	1.927	1.968	-0.041
150	140A_Unbiased	2.080	2.051	0.029
150	38B_Unbiased	2.059	2.088	-0.029
150	39B_Unbiased	1.940	2.012	-0.072
150	40C_Unbiased	2.073	2.077	-0.004
	Max	2.117	2.088	0.067
	Average	2.027	2.038	-0.011
	Min	1.923	1.950	-0.072
	Std Dev	0.070	0.046	0.041

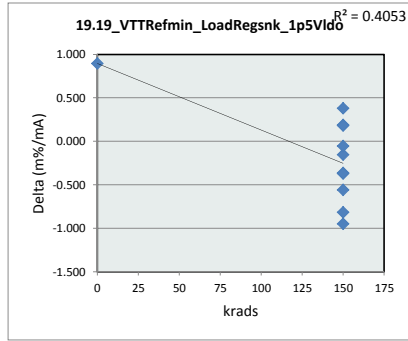


19.18_VTTRefmin_delta_1p5V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.050	1.950
Average	2.050	2.037
Max	2.050	2.088
UL	15.000	15.000

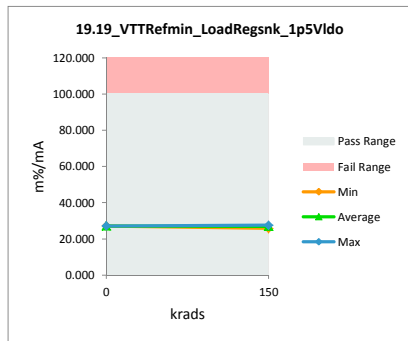


TID 150k HDR Rebound Report
TPS7H3301-SP

19.19_VTTRefmin_LoadRegsnk_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	27.986	27.090	0.896
150	116A_Biased	26.889	27.043	-0.154
150	117A_Biased	25.444	25.808	-0.364
150	36B_biased	27.001	26.813	0.188
150	37B_Biased	26.400	27.217	-0.817
150	39C_Biased	27.776	27.594	0.182
150	118A_Unbiased	25.400	25.957	-0.557
150	140A_Unbiased	27.492	27.111	0.381
150	38B_Unbiased	27.183	27.555	-0.372
150	39B_Unbiased	25.726	26.676	-0.950
150	40C_Unbiased	27.454	27.509	-0.055
Max		27.986	27.594	0.896
Average		26.796	26.943	-0.147
Min		25.400	25.808	-0.950
Std Dev		0.926	0.600	0.544

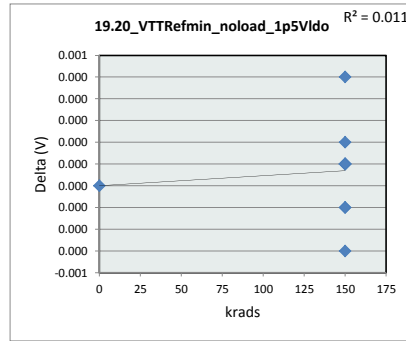


19.19_VTTRefmin_LoadRegsnk_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	m%/mA
Min Limit	0	m%/mA
krads	0	150
LL	0.000	0.000
Min	27.090	25.808
Average	27.090	26.928
Max	27.090	27.594
UL	100.000	100.000

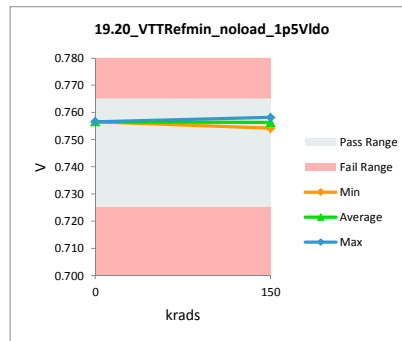


TID 150k HDR Rebound Report
TPS7H3301-SP

19.20_VTTRefmin_noload_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.765	0.765	
Min Limit		0.725	0.725	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.757	0.757	0.000
150	116A_Biased	0.757	0.757	0.000
150	117A_Biased	0.756	0.756	0.000
150	36B_biased	0.756	0.756	0.000
150	37B_Biased	0.757	0.757	0.000
150	39C_Biased	0.756	0.756	0.000
150	118A_Unbiased	0.759	0.758	0.000
150	140A_Unbiased	0.757	0.757	0.000
150	38B_Unbiased	0.757	0.758	0.000
150	39B_Unbiased	0.754	0.754	0.000
150	40C_Unbiased	0.755	0.755	0.000
	Max	0.759	0.758	0.000
	Average	0.756	0.756	0.000
	Min	0.754	0.754	0.000
	Std Dev	0.001	0.001	0.000

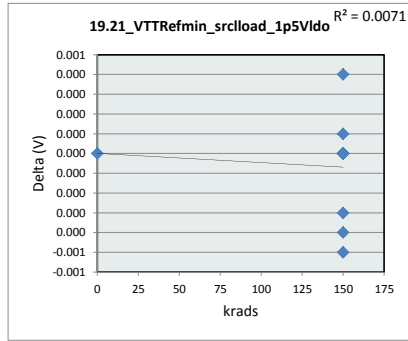


19.20_VTTRefmin_noload_1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.725	V
krads	0	150
LL	0.725	0.725
Min	0.757	0.754
Average	0.757	0.756
Max	0.757	0.758
UL	0.765	0.765

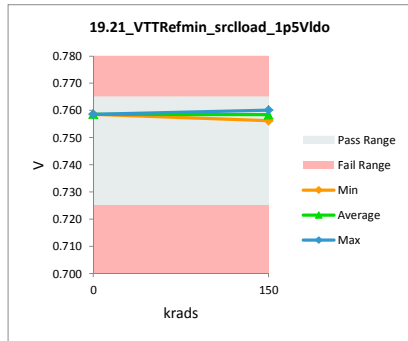


TID 150k HDR Rebound Report
TPS7H3301-SP

19.21_VTTRefmin_srcload_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.759	0.759	0.000
150	116A_Biased	0.759	0.759	0.000
150	117A_Biased	0.758	0.758	0.000
150	36B_biased	0.758	0.758	0.000
150	37B_Biased	0.759	0.759	0.000
150	39C_Biased	0.758	0.758	0.000
150	118A_Unbiased	0.761	0.760	0.000
150	140A_Unbiased	0.759	0.759	0.000
150	38B_Unbiased	0.759	0.760	0.000
150	39B_Unbiased	0.756	0.756	0.000
150	40C_Unbiased	0.757	0.757	0.000
Max		0.761	0.760	0.000
Average		0.758	0.758	0.000
Min		0.756	0.756	0.000
Std Dev		0.001	0.001	0.000

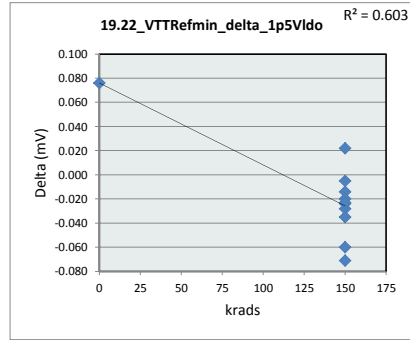


19.21_VTTRefmin_srcload_1p		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.765	V
Min Limit	0.725	V
krads	0	150
LL	0.725	0.725
Min	0.759	0.756
Average	0.759	0.758
Max	0.759	0.760
UL	0.765	0.765

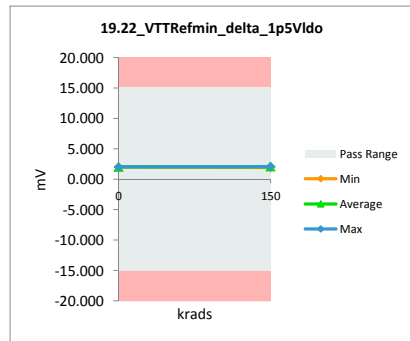


TID 150k HDR Rebound Report
TPS7H3301-SP

19.22_VTTRefmin_delta_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.114	2.038	0.076
150	116A_Biased	2.045	2.059	-0.014
150	117A_Biased	1.973	2.001	-0.028
150	36B_biased	2.008	2.028	-0.020
150	37B_Biased	1.999	2.034	-0.035
150	39C_Biased	2.076	2.100	-0.024
150	118A_Unbiased	1.925	1.948	-0.023
150	140A_Unbiased	2.063	2.041	0.022
150	38B_Unbiased	2.031	2.102	-0.071
150	39B_Unbiased	1.944	2.004	-0.060
150	40C_Unbiased	2.079	2.084	-0.005
	Max	2.114	2.102	0.076
	Average	2.023	2.040	-0.017
	Min	1.925	1.948	-0.071
	Std Dev	0.060	0.046	0.040

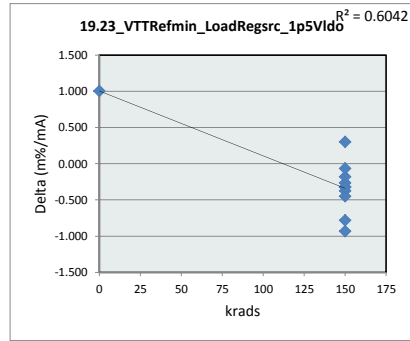


19.22_VTTRefmin_delta_1p5V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.038	1.948
Average	2.038	2.040
Max	2.038	2.102
UL	15.000	15.000

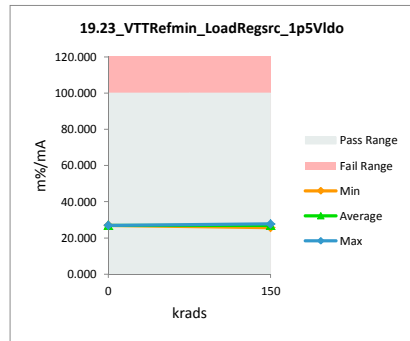


TID 150k HDR Rebound Report
TPS7H3301-SP

19.23_VTTRefmin_LoadRegsrc_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		m%/mA	m%/mA	
Max Limit		100	100	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	27.939	26.935	1.004
150	116A_Biased	27.021	27.200	-0.179
150	117A_Biased	26.110	26.484	-0.374
150	36B_biased	26.553	26.819	-0.266
150	37B_Biased	26.415	26.864	-0.449
150	39C_Biased	27.453	27.774	-0.321
150	118A_Unbiased	25.375	25.695	-0.320
150	140A_Unbiased	27.272	26.973	0.299
150	38B_Unbiased	26.815	27.746	-0.931
150	39B_Unbiased	25.785	26.566	-0.781
150	40C_Unbiased	27.539	27.603	-0.064
Max		27.939	27.774	1.004
Average		26.752	26.969	-0.217
Min		25.375	25.695	-0.931
Std Dev		0.791	0.613	0.521

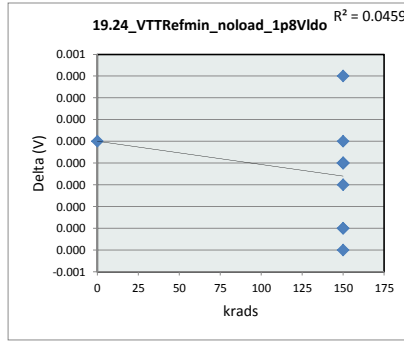


19.23_VTTRefmin_LoadRegsrc_1p5Vldo			
Test Site		Dallas, Tx	
Tester		ETS	
Test Number		EF636800	
Max Limit		100	m%/mA
Min Limit		0	m%/mA
krads		0	150
LL		0.000	0.000
Min		26.935	25.695
Average		26.935	26.972
Max		26.935	27.774
UL		100.000	100.000

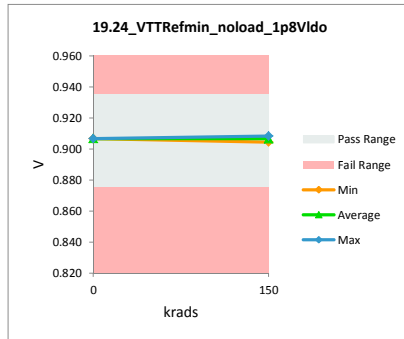


TID 150k HDR Rebound Report
TPS7H3301-SP

19.24_VTTRefmin_noload_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.935	0.935	
Min Limit		0.875	0.875	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.907	0.907	0.000
150	116A_Biased	0.907	0.907	0.000
150	117A_Biased	0.906	0.906	0.000
150	36B_biased	0.906	0.906	0.000
150	37B_Biased	0.907	0.907	0.000
150	39C_Biased	0.906	0.906	0.000
150	118A_Unbiased	0.909	0.908	0.000
150	140A_Unbiased	0.907	0.907	0.000
150	38B_Unbiased	0.908	0.908	0.000
150	39B_Unbiased	0.904	0.904	0.000
150	40C_Unbiased	0.905	0.905	0.000
Max		0.909	0.908	0.000
Average		0.907	0.907	0.000
Min		0.904	0.904	0.000
Std Dev		0.001	0.001	0.000

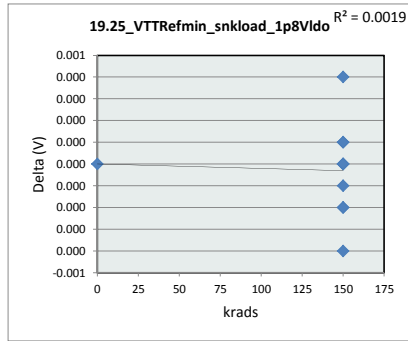


19.24_VTTRefmin_noload_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.935	V
Min Limit	0.875	V
krads	0	150
LL	0.875	0.875
Min	0.907	0.904
Average	0.907	0.907
Max	0.907	0.908
UL	0.935	0.935

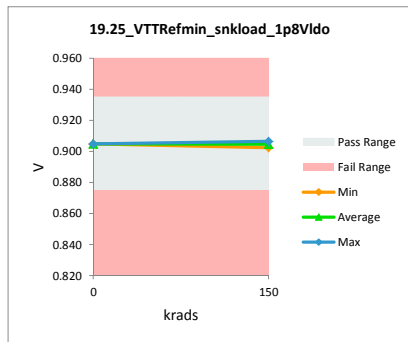


TID 150k HDR Rebound Report
TPS7H3301-SP

19.25_VTTRefmin_snkload_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.905	0.905	0.000
150	116A_Biased	0.905	0.905	0.000
150	117A_Biased	0.904	0.904	0.000
150	36B_biased	0.904	0.904	0.000
150	37B_Biased	0.905	0.905	0.000
150	39C_Biased	0.904	0.904	0.000
150	118A_Unbiased	0.907	0.906	0.000
150	140A_Unbiased	0.905	0.905	0.000
150	38B_Unbiased	0.905	0.906	0.000
150	39B_Unbiased	0.902	0.902	0.000
150	40C_Unbiased	0.903	0.903	0.000
	Max	0.907	0.906	0.000
	Average	0.904	0.905	0.000
	Min	0.902	0.902	0.000
	Std Dev	0.001	0.001	0.000

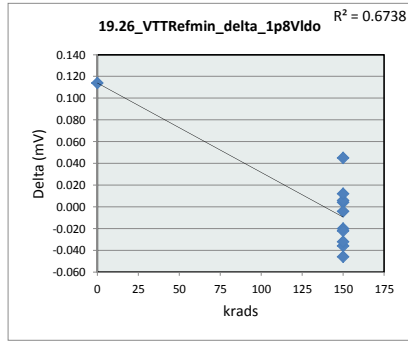


19.25_VTTRefmin_snkload_1p		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.935	V
Min Limit	0.875	V
krads	0	150
LL	0.875	0.875
Min	0.905	0.902
Average	0.905	0.905
Max	0.905	0.906
UL	0.935	0.935

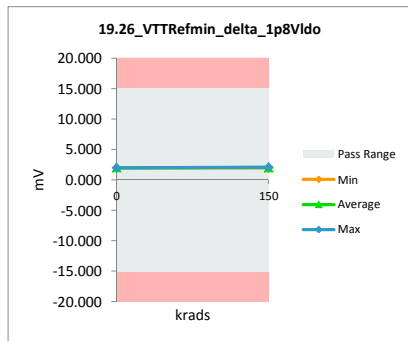


TID 150k HDR Rebound Report
TPS7H3301-SP

19.26_VTTRefmin_delta_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.103	1.989	0.114
150	116A_Biased	2.032	2.028	0.004
150	117A_Biased	1.962	1.998	-0.036
150	36B_biased	2.022	2.016	0.006
150	37B_Biased	1.978	2.024	-0.046
150	39C_Biased	2.080	2.084	-0.004
150	118A_Unbiased	1.944	1.964	-0.020
150	140A_Unbiased	2.056	2.011	0.045
150	38B_Unbiased	2.049	2.071	-0.022
150	39B_Unbiased	2.013	2.045	-0.032
150	40C_Unbiased	2.122	2.110	0.012
	Max	2.122	2.110	0.114
	Average	2.033	2.031	0.002
	Min	1.944	1.964	-0.046
	Std Dev	0.057	0.043	0.045

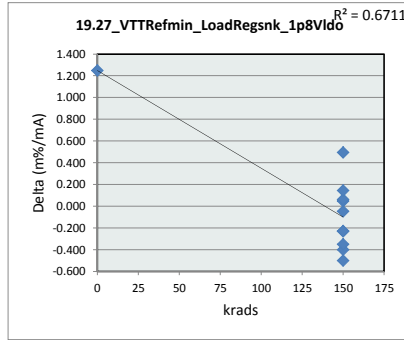


19.26_VTTRefmin_delta_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	1.989	1.964
Average	1.989	2.035
Max	1.989	2.110
UL	15.000	15.000

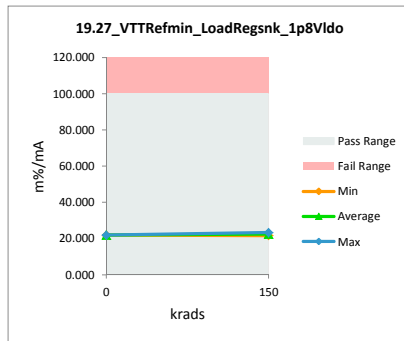


TID 150k HDR Rebound Report
TPS7H3301-SP

19.27_VTTRefmin_LoadRegsnk_1p8Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	23.187	21.940	1.247
150	116A_Biased	22.404	22.356	0.048
150	117A_Biased	21.653	22.054	-0.401
150	36B_biased	22.307	22.246	0.061
150	37B_Biased	21.816	22.317	-0.501
150	39C_Biased	22.949	22.996	-0.047
150	118A_Unbiased	21.392	21.622	-0.230
150	140A_Unbiased	22.677	22.183	0.494
150	38B_Unbiased	22.576	22.807	-0.231
150	39B_Unbiased	22.264	22.613	-0.349
150	40C_Unbiased	23.447	23.304	0.143
	Max	23.447	23.304	1.247
	Average	22.425	22.403	0.021
	Min	21.392	21.622	-0.501
	Std Dev	0.637	0.490	0.496

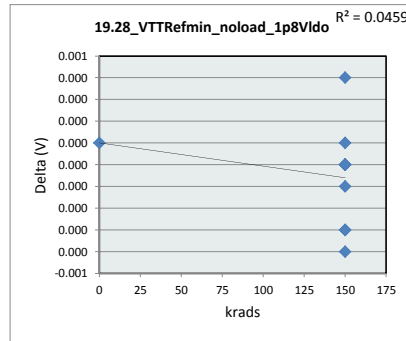


19.27_VTTRefmin_LoadRegsnk_1p8Vldo		
krads	0	150
LL	0.000	0.000
Min	21.940	21.622
Average	21.940	22.450
Max	21.940	23.304
UL	100.000	100.000

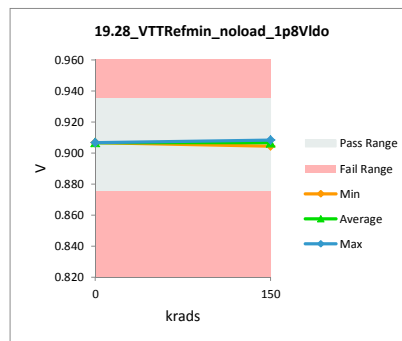


TID 150k HDR Rebound Report
TPS7H3301-SP

19.28_VTTRefmin_noload_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.935	0.935	
Min Limit		0.875	0.875	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.907	0.907	0.000
150	116A_Biased	0.907	0.907	0.000
150	117A_Biased	0.906	0.906	0.000
150	36B_biased	0.906	0.906	0.000
150	37B_Biased	0.907	0.907	0.000
150	39C_Biased	0.906	0.906	0.000
150	118A_Unbiased	0.909	0.908	0.000
150	140A_Unbiased	0.907	0.907	0.000
150	38B_Unbiased	0.908	0.908	0.000
150	39B_Unbiased	0.904	0.904	0.000
150	40C_Unbiased	0.905	0.905	0.000
	Max	0.909	0.908	0.000
	Average	0.907	0.907	0.000
	Min	0.904	0.904	0.000
	Std Dev	0.001	0.001	0.000

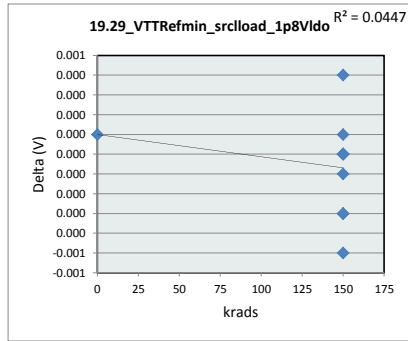


19.28_VTTRefmin_noload_1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.935	V
Min Limit	0.875	V
krads	0	150
LL	0.875	0.875
Min	0.907	0.904
Average	0.907	0.907
Max	0.907	0.908
UL	0.935	0.935

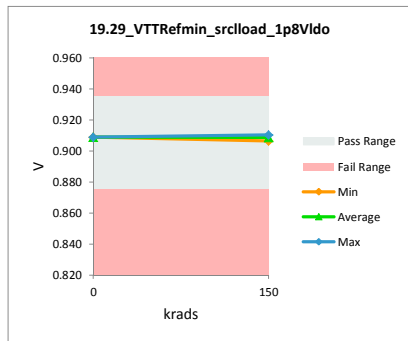


TID 150k HDR Rebound Report
TPS7H3301-SP

19.29_VTTRefmin_srcload_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.909	0.909	0.000
150	116A_Biased	0.909	0.909	0.000
150	117A_Biased	0.908	0.908	0.000
150	36B_biased	0.908	0.908	0.000
150	37B_Biased	0.909	0.909	0.000
150	39C_Biased	0.908	0.909	0.000
150	118A_Unbiased	0.911	0.910	0.000
150	140A_Unbiased	0.909	0.909	0.000
150	38B_Unbiased	0.910	0.910	0.000
150	39B_Unbiased	0.906	0.906	0.000
150	40C_Unbiased	0.907	0.907	0.000
	Max	0.911	0.910	0.000
	Average	0.909	0.909	0.000
	Min	0.906	0.906	0.000
	Std Dev	0.001	0.001	0.000

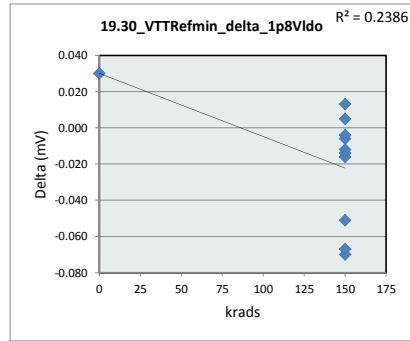


19.29_VTTRefmin_srcload_1p		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.935	V
Min Limit	0.875	V
krads	0	150
LL	0.875	0.875
Min	0.909	0.906
Average	0.909	0.909
Max	0.909	0.910
UL	0.935	0.935

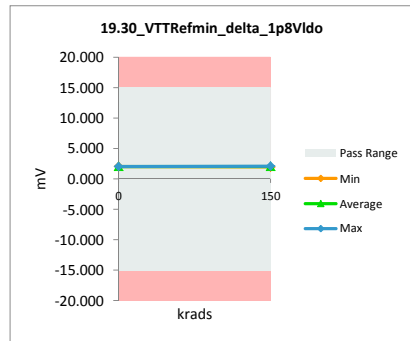


TID 150k HDR Rebound Report
TPS7H3301-SP

19.30_VTTRefmin_delta_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.091	2.061	0.030
150	116A_Biased	2.066	2.082	-0.016
150	117A_Biased	1.965	1.971	-0.006
150	36B_biased	2.029	2.024	0.005
150	37B_Biased	2.011	2.081	-0.070
150	39C_Biased	2.080	2.094	-0.014
150	118A_Unbiased	1.918	1.985	-0.067
150	140A_Unbiased	2.056	2.060	-0.004
150	38B_Unbiased	2.055	2.067	-0.012
150	39B_Unbiased	1.944	1.995	-0.051
150	40C_Unbiased	2.064	2.051	0.013
Max		2.091	2.094	0.030
Average		2.025	2.043	-0.017
Min		1.918	1.971	-0.070
Std Dev		0.059	0.042	0.032

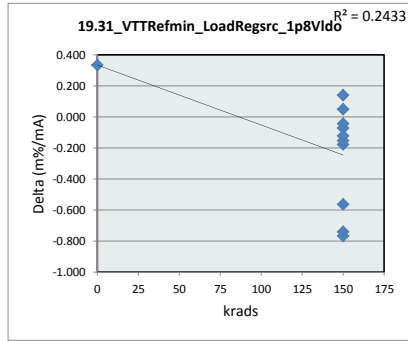


19.30_VTTRefmin_delta_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.061	1.971
Average	2.061	2.041
Max	2.061	2.094
UL	15.000	15.000

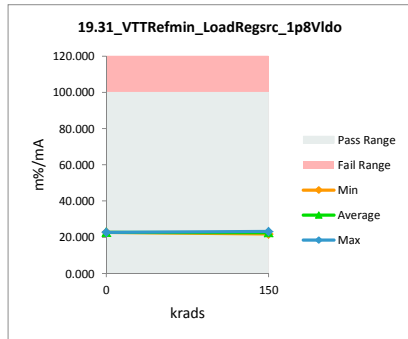


TID 150k HDR Rebound Report
TPS7H3301-SP

19.31_VTTRefmin_LoadRegsrc_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	23.064	22.730	0.334
150	116A_Biased	22.779	22.958	-0.179
150	117A_Biased	21.685	21.758	-0.073
150	36B_biased	22.382	22.334	0.048
150	37B_Biased	22.177	22.944	-0.767
150	39C_Biased	22.953	23.107	-0.154
150	118A_Unbiased	21.111	21.851	-0.740
150	140A_Unbiased	22.676	22.721	-0.045
150	38B_Unbiased	22.643	22.766	-0.123
150	39B_Unbiased	21.498	22.061	-0.563
150	40C_Unbiased	22.796	22.656	0.140
Max		23.064	23.107	0.334
Average		22.342	22.535	-0.193
Min		21.111	21.758	-0.767
Std Dev		0.647	0.464	0.354

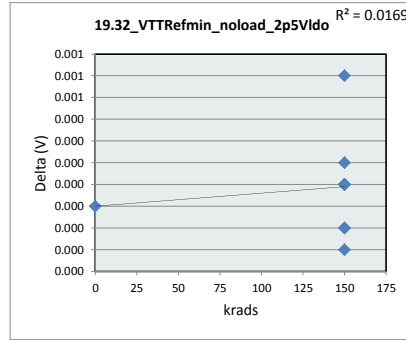


19.31_VTTRefmin_LoadRegsrc_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	m%/mA
Min Limit	0	m%/mA
krads	0	150
LL	0.000	0.000
Min	22.730	21.758
Average	22.730	22.516
Max	22.730	23.107
UL	100.000	100.000

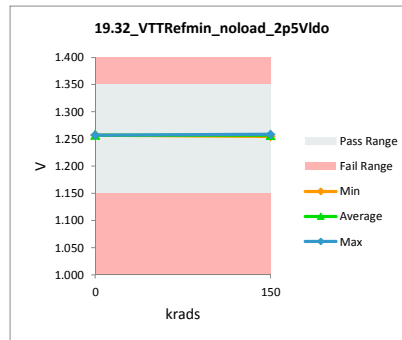


TID 150k HDR Rebound Report
TPS7H3301-SP

19.32_VTTRefmin_noload_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.257	1.257	0.000
150	116A_Biased	1.258	1.257	0.000
150	117A_Biased	1.257	1.256	0.000
150	36B_biased	1.257	1.257	0.000
150	37B_Biased	1.257	1.258	0.000
150	39C_Biased	1.257	1.257	0.000
150	118A_Unbiased	1.259	1.259	0.001
150	140A_Unbiased	1.257	1.257	0.000
150	38B_Unbiased	1.258	1.258	0.000
150	39B_Unbiased	1.255	1.255	0.000
150	40C_Unbiased	1.256	1.256	0.000
Max		1.259	1.259	0.001
Average		1.257	1.257	0.000
Min		1.255	1.255	0.000
Std Dev		0.001	0.001	0.000

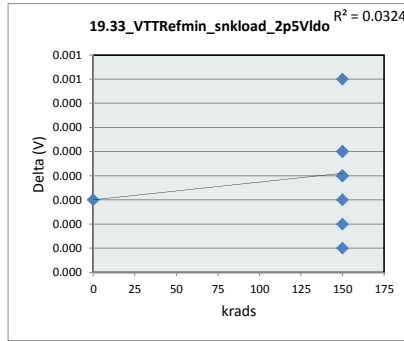


19.32_VTTRefmin_noload_2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.35	V
Min Limit	1.15	V
krads	0	150
LL	1.150	1.150
Min	1.257	1.255
Average	1.257	1.257
Max	1.257	1.259
UL	1.350	1.350

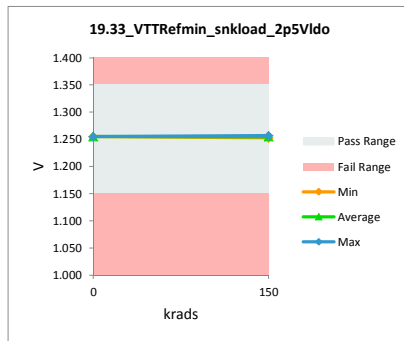


TID 150k HDR Rebound Report
TPS7H3301-SP

19.33_VTTRefmin_snkload_2p5Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.255	1.255	0.000
150	116A_Biased	1.255	1.255	0.000
150	117A_Biased	1.255	1.254	0.000
150	36B_biased	1.255	1.255	0.000
150	37B_Biased	1.255	1.255	0.000
150	39C_Biased	1.255	1.255	0.000
150	118A_Unbiased	1.257	1.257	0.000
150	140A_Unbiased	1.255	1.255	0.000
150	38B_Unbiased	1.256	1.256	0.000
150	39B_Unbiased	1.253	1.253	0.000
150	40C_Unbiased	1.254	1.253	0.000
	Max	1.257	1.257	0.000
	Average	1.255	1.255	0.000
	Min	1.253	1.253	0.000
	Std Dev	0.001	0.001	0.000

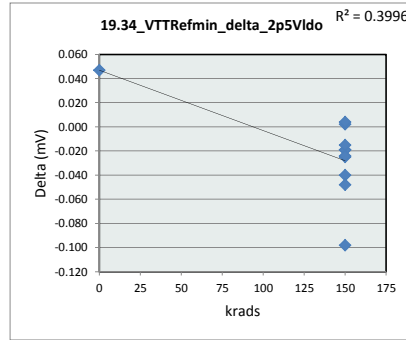


19.33_VTTRefmin_snkload_2p		
krads	0	150
LL	1.150	1.150
Min	1.255	1.253
Average	1.255	1.255
Max	1.255	1.257
UL	1.350	1.350

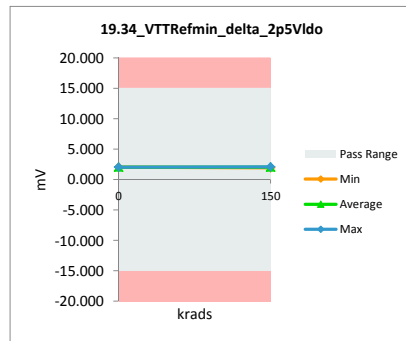


TID 150k HDR Rebound Report
TPS7H3301-SP

19.34_VTTRefmin_delta_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.106	2.059	0.047
150	116A_Biased	2.073	2.071	0.002
150	117A_Biased	1.978	1.997	-0.019
150	36B_biased	2.025	2.050	-0.025
150	37B_Biased	2.023	2.063	-0.040
150	39C_Biased	2.095	2.114	-0.019
150	118A_Unbiased	1.928	1.943	-0.015
150	140A_Unbiased	2.062	2.058	0.004
150	38B_Unbiased	2.031	2.079	-0.048
150	39B_Unbiased	1.929	2.027	-0.098
150	40C_Unbiased	2.063	2.087	-0.024
Max		2.106	2.114	0.047
Average		2.028	2.050	-0.021
Min		1.928	1.943	-0.098
Std Dev		0.061	0.047	0.036

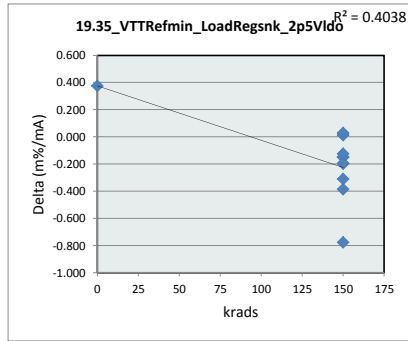


19.34_VTTRefmin_delta_2p5V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.059	1.943
Average	2.059	2.049
Max	2.059	2.114
UL	15.000	15.000

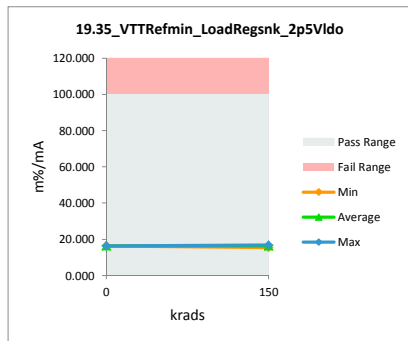


TID 150k HDR Rebound Report
TPS7H3301-SP

19.35_VTTRefmin_LoadRegsnk_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	16.751	16.377	0.374
150	116A_Biased	16.483	16.470	0.013
150	117A_Biased	15.744	15.893	-0.149
150	36B_biased	16.115	16.312	-0.197
150	37B_Biased	16.092	16.403	-0.311
150	39C_Biased	16.668	16.819	-0.151
150	118A_Unbiased	15.315	15.440	-0.125
150	140A_Unbiased	16.402	16.374	0.028
150	38B_Unbiased	16.139	16.524	-0.385
150	39B_Unbiased	15.378	16.155	-0.777
150	40C_Unbiased	16.431	16.625	-0.194
Max		16.751	16.819	0.374
Average		16.138	16.308	-0.170
Min		15.315	15.440	-0.777
Std Dev		0.484	0.374	0.284

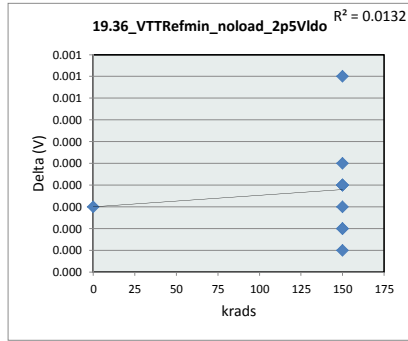


19.35_VTTRefmin_LoadRegsnk_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	m%/mA
Min Limit	0	m%/mA
krads	0	150
LL	0.000	0.000
Min	16.377	15.440
Average	16.377	16.302
Max	16.377	16.819
UL	100.000	100.000

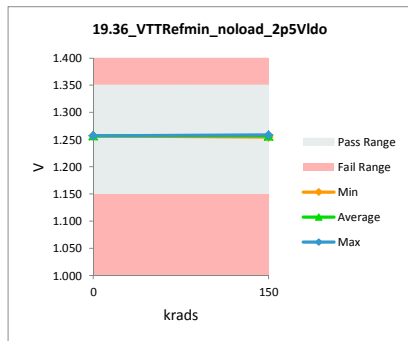


TID 150k HDR Rebound Report
TPS7H3301-SP

19.36_VTTRefmin_noload_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.35	1.35	
Min Limit		1.15	1.15	
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.257	1.257	0.000
150	116A_Biased	1.258	1.257	0.000
150	117A_Biased	1.257	1.256	0.000
150	36B_biased	1.257	1.257	0.000
150	37B_Biased	1.257	1.258	0.000
150	39C_Biased	1.257	1.257	0.000
150	118A_Unbiased	1.259	1.259	0.001
150	140A_Unbiased	1.257	1.257	0.000
150	38B_Unbiased	1.258	1.258	0.000
150	39B_Unbiased	1.255	1.255	0.000
150	40C_Unbiased	1.256	1.256	0.000
Max		1.259	1.259	0.001
Average		1.257	1.257	0.000
Min		1.255	1.255	0.000
Std Dev		0.001	0.001	0.000

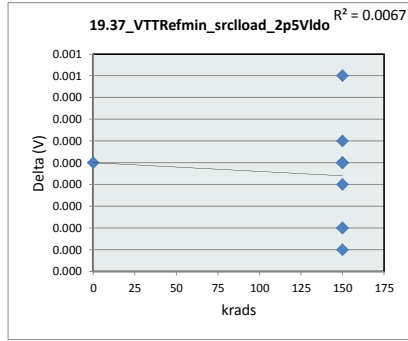


19.36_VTTRefmin_noload_2p5			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	1.35	V	
Min Limit	1.15	V	
krads	0	150	
LL	1.150	1.150	
Min	1.257	1.255	
Average	1.257	1.257	
Max	1.257	1.259	
UL	1.350	1.350	

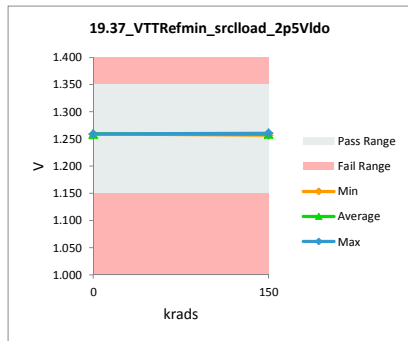


TID 150k HDR Rebound Report
TPS7H3301-SP

19.37_VTTRefmin_srcload_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.259	1.259	0.000
150	116A_Biased	1.260	1.259	0.000
150	117A_Biased	1.258	1.258	0.000
150	36B_biased	1.259	1.259	0.000
150	37B_Biased	1.259	1.260	0.000
150	39C_Biased	1.259	1.259	0.000
150	118A_Unbiased	1.261	1.261	0.001
150	140A_Unbiased	1.259	1.259	0.000
150	38B_Unbiased	1.260	1.260	0.000
150	39B_Unbiased	1.257	1.257	0.000
150	40C_Unbiased	1.258	1.258	0.000
	Max	1.261	1.261	0.001
	Average	1.259	1.259	0.000
	Min	1.257	1.257	0.000
	Std Dev	0.001	0.001	0.000

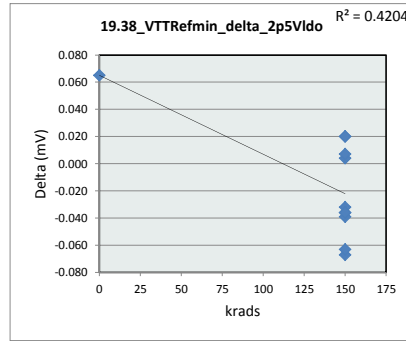


19.37_VTTRefmin_srcload_2p		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.35	V
Min Limit	1.15	V
krads	0	150
LL	1.150	1.150
Min	1.259	1.257
Average	1.259	1.259
Max	1.259	1.261
UL	1.350	1.350

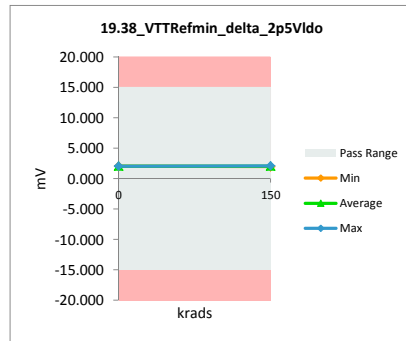


TID 150k HDR Rebound Report
TPS7H3301-SP

19.38_VTTRefmin_delta_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		15	15	
Min Limit		-15	-15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.108	2.043	0.065
150	116A_Biased	2.041	2.073	-0.032
150	117A_Biased	1.958	1.994	-0.036
150	36B_biased	2.022	2.002	0.020
150	37B_Biased	1.988	2.055	-0.067
150	39C_Biased	2.080	2.076	0.004
150	118A_Unbiased	1.947	1.986	-0.039
150	140A_Unbiased	2.056	2.036	0.020
150	38B_Unbiased	2.057	2.093	-0.036
150	39B_Unbiased	1.957	2.020	-0.063
150	40C_Unbiased	2.069	2.062	0.007
Max		2.108	2.093	0.065
Average		2.026	2.040	-0.014
Min		1.947	1.986	-0.067
Std Dev		0.055	0.036	0.041

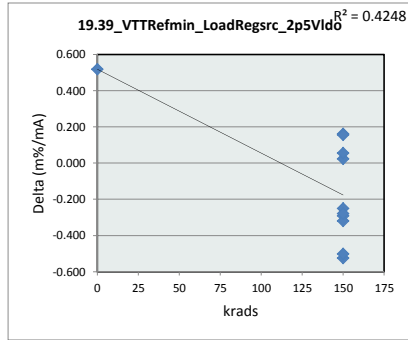


19.38_VTTRefmin_delta_2p5V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	15	mV
Min Limit	-15	mV
krads	0	150
LL	-15.000	-15.000
Min	2.043	1.986
Average	2.043	2.040
Max	2.043	2.093
UL	15.000	15.000

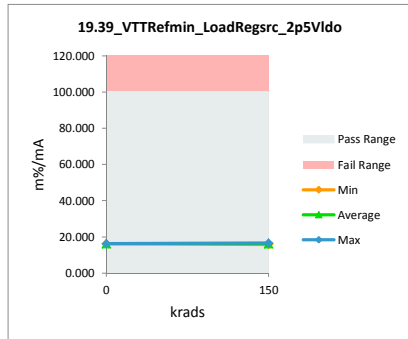


TID 150k HDR Rebound Report
TPS7H3301-SP

19.39_VTTRefmin_LoadRegrsrc_2p5Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	16.770	16.252	0.518
150	116A_Biased	16.233	16.483	-0.250
150	117A_Biased	15.579	15.871	-0.292
150	36B_biased	16.088	15.927	0.161
150	37B_Biased	15.814	16.338	-0.524
150	39C_Biased	16.547	16.523	0.024
150	118A_Unbiased	15.460	15.780	-0.320
150	140A_Unbiased	16.354	16.198	0.156
150	38B_Unbiased	16.352	16.630	-0.278
150	39B_Unbiased	15.596	16.098	-0.502
150	40C_Unbiased	16.476	16.421	0.055
Max		16.770	16.630	0.518
Average		16.115	16.229	-0.114
Min		15.460	15.780	-0.524
Std Dev		0.442	0.283	0.322

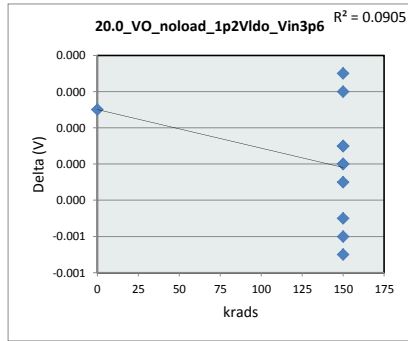


19.39_VTTRefmin_LoadRegrsrc_2p5Vldo		
krads	0	150
LL	0.000	0.000
Min	16.252	15.780
Average	16.252	16.227
Max	16.252	16.630
UL	100.000	100.000

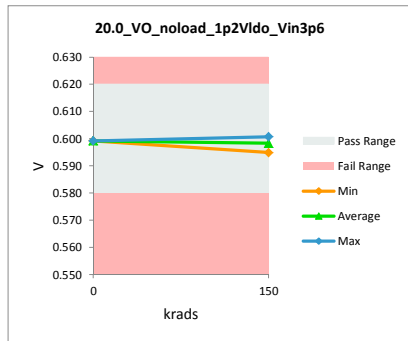


TID 150k HDR Rebound Report
TPS7H3301-SP

20.0_VO_noload_1p2Vldo_Vin3p6				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.58	0.58		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.599	0.599	0.000
150	116A_Biased	0.599	0.599	0.000
150	117A_Biased	0.596	0.596	0.000
150	36B_biased	0.599	0.599	0.000
150	37B_Biased	0.599	0.599	-0.001
150	39C_Biased	0.598	0.598	0.000
150	118A_Unbiased	0.601	0.601	0.000
150	140A_Unbiased	0.599	0.599	0.000
150	38B_Unbiased	0.600	0.600	-0.001
150	39B_Unbiased	0.594	0.595	-0.001
150	40C_Unbiased	0.597	0.597	0.000
Max		0.601	0.601	0.000
Average		0.598	0.598	0.000
Min		0.594	0.595	-0.001
Std Dev		0.002	0.002	0.000

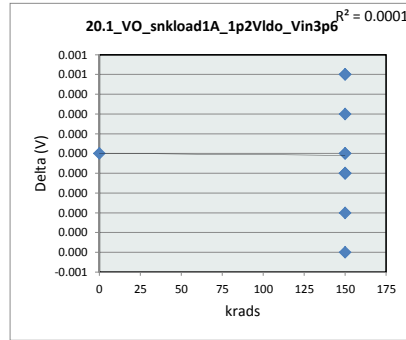


20.0_VO_noload_1p2Vldo_Vin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.62	V
Min Limit	0.58	V
krads	0	150
LL	0.580	0.580
Min	0.599	0.595
Average	0.599	0.598
Max	0.599	0.601
UL	0.620	0.620

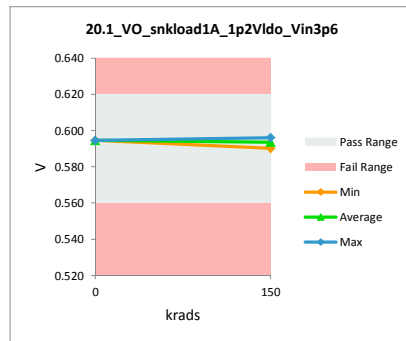


TID 150k HDR Rebound Report
TPS7H3301-SP

20.1_VO_snkload1A_1p2Vldo_Vin3				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.56	0.56		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.595	0.595	0.000
150	116A_Biased	0.594	0.594	0.000
150	117A_Biased	0.592	0.592	0.001
150	36B_biased	0.594	0.594	0.000
150	37B_Biased	0.594	0.594	0.000
150	39C_Biased	0.593	0.593	0.000
150	118A_Unbiased	0.597	0.596	0.001
150	140A_Unbiased	0.595	0.595	0.000
150	38B_Unbiased	0.595	0.596	0.000
150	39B_Unbiased	0.590	0.590	0.000
150	40C_Unbiased	0.592	0.592	0.000
	Max	0.597	0.596	0.001
	Average	0.594	0.594	0.000
	Min	0.590	0.590	0.000
	Std Dev	0.002	0.002	0.000

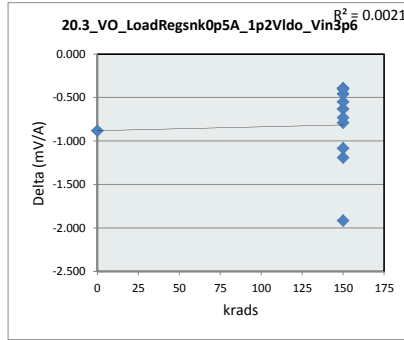


20.1_VO_snkload1A_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.62	V
Min Limit	0.56	V
krads	0	150
LL	0.560	0.560
Min	0.595	0.590
Average	0.595	0.594
Max	0.595	0.596
UL	0.620	0.620

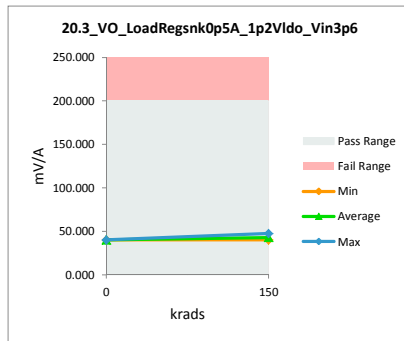


TID 150k HDR Rebound Report
TPS7H3301-SP

20.3_VO_LoadRegsnk0p5A_1p2VIdo_Vin3p6				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	39.298	40.180	-0.882
150	116A_Biased	41.762	42.393	-0.631
150	117A_Biased	45.471	47.385	-1.914
150	36B_biased	39.757	40.547	-0.790
150	37B_Biased	41.134	42.326	-1.192
150	39C_Biased	42.729	43.459	-0.730
150	118A_Unbiased	39.737	40.288	-0.551
150	140A_Unbiased	39.067	40.149	-1.082
150	38B_Unbiased	40.338	40.729	-0.391
150	39B_Unbiased	47.117	47.575	-0.458
150	40C_Unbiased	42.994	43.397	-0.403
	Max	47.117	47.575	-0.391
	Average	41.764	42.584	-0.820
	Min	39.067	40.149	-1.914
	Std Dev	2.622	2.721	0.449

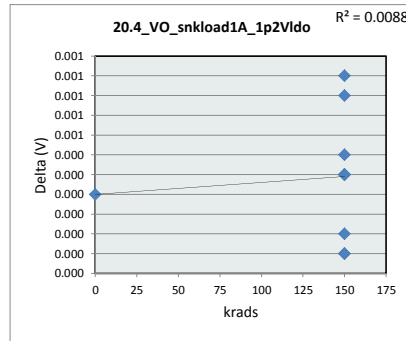


20.3_VO_LoadRegsnk0p5A_1p2VIdo_Vin3p6		
krads	0	150
LL	0.000	0.000
Min	40.180	40.149
Average	40.180	42.825
Max	40.180	47.575
UL	200.000	200.000

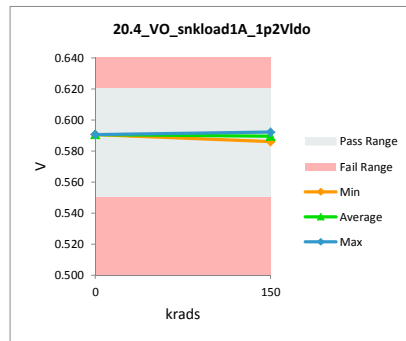


TID 150k HDR Rebound Report TPS7H3301-SP

20.4_VO_snkload1A_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.62	0.62	
Min Limit		0.55	0.55	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.591	0.591	0.000
150	116A_Biased	0.590	0.590	0.000
150	117A_Biased	0.588	0.588	0.001
150	36B_biased	0.590	0.590	0.000
150	37B_Biased	0.591	0.590	0.000
150	39C_Biased	0.590	0.589	0.000
150	118A_Unbiased	0.593	0.592	0.001
150	140A_Unbiased	0.591	0.590	0.000
150	38B_Unbiased	0.591	0.592	0.000
150	39B_Unbiased	0.586	0.586	0.000
150	40C_Unbiased	0.588	0.588	0.000
	Max	0.593	0.592	0.001
	Average	0.590	0.590	0.000
	Min	0.586	0.586	0.000
	Std Dev	0.002	0.002	0.000

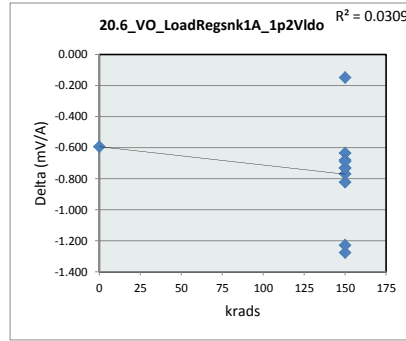


20.4_VO_snkload1A_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.62	V
Min Limit	0.55	V
krads	0	150
LL	0.550	0.550
Min	0.591	0.586
Average	0.591	0.590
Max	0.591	0.592
UL	0.620	0.620

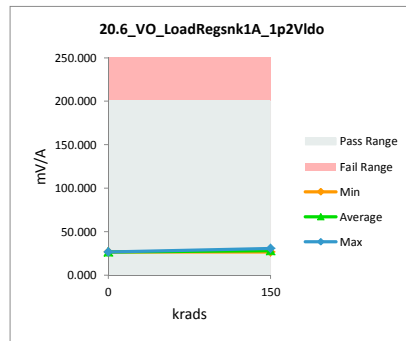


TID 150k HDR Rebound Report
TPS7H3301-SP

20.6_VO_LoadReqsnk1A_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	26.101	26.696	-0.595
150	116A_Biased	27.332	27.967	-0.635
150	117A_Biased	29.173	30.449	-1.276
150	36B_biased	26.202	26.935	-0.733
150	37B_Biased	26.784	28.013	-1.229
150	39C_Biased	27.828	28.598	-0.770
150	118A_Unbiased	26.047	26.777	-0.730
150	140A_Unbiased	25.978	26.801	-0.823
150	38B_Unbiased	26.320	27.001	-0.681
150	39B_Unbiased	30.028	30.717	-0.689
150	40C_Unbiased	28.266	28.416	-0.150
	Max	30.028	30.717	-0.150
	Average	27.278	28.034	-0.756
	Min	25.978	26.696	-1.276
	Std Dev	1.391	1.438	0.303

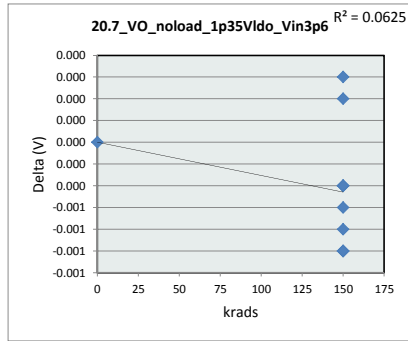


20.6_VO_LoadReqsnk1A_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
	krads	
	0	150
LL	0.000	0.000
Min	26.696	26.777
Average	26.696	28.167
Max	26.696	30.717
UL	200.000	200.000

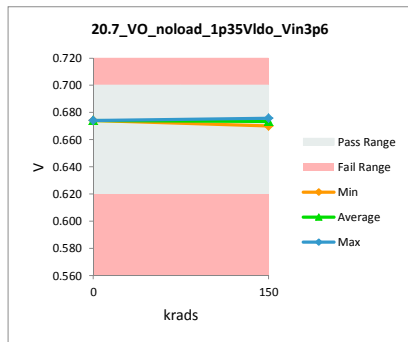


TID 150k HDR Rebound Report
TPS7H3301-SP

20.7_VO_noload_1p35Vldo_Vin3p6				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.674	0.674	0.000
150	116A_Biased	0.674	0.674	0.000
150	117A_Biased	0.671	0.671	0.000
150	36B_biased	0.673	0.674	0.000
150	37B_Biased	0.674	0.674	0.000
150	39C_Biased	0.673	0.673	-0.001
150	118A_Unbiased	0.676	0.676	0.000
150	140A_Unbiased	0.674	0.674	0.000
150	38B_Unbiased	0.675	0.675	-0.001
150	39B_Unbiased	0.669	0.670	-0.001
150	40C_Unbiased	0.671	0.672	-0.001
	Max	0.676	0.676	0.000
	Average	0.673	0.673	0.000
	Min	0.669	0.670	-0.001
	Std Dev	0.002	0.002	0.000

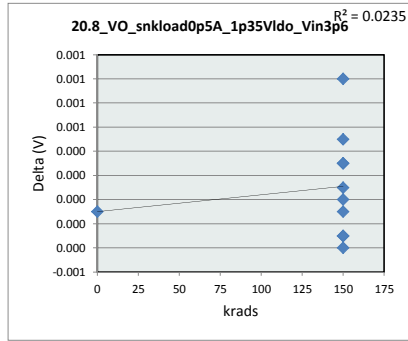


20.7_VO_noload_1p35Vldo_Vi		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.7	V
Min Limit	0.62	V
krads	0	150
LL	0.620	0.620
Min	0.674	0.670
Average	0.674	0.673
Max	0.674	0.676
UL	0.700	0.700

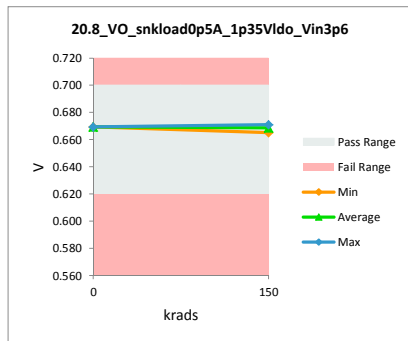


TID 150k HDR Rebound Report
TPS7H3301-SP

20.8_VO_snkload0p5A_1p35Vldo_Vin3p6				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.7	0.7	
Min Limit		0.62	0.62	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.669	0.669	0.000
150	116A_Biased	0.669	0.669	0.000
150	117A_Biased	0.667	0.667	0.001
150	36B_biased	0.669	0.669	0.000
150	37B_Biased	0.669	0.669	0.000
150	39C_Biased	0.668	0.668	0.000
150	118A_Unbiased	0.672	0.671	0.001
150	140A_Unbiased	0.669	0.670	0.000
150	38B_Unbiased	0.670	0.670	0.000
150	39B_Unbiased	0.665	0.665	0.000
150	40C_Unbiased	0.667	0.667	0.000
	Max	0.672	0.671	0.001
	Average	0.669	0.669	0.000
	Min	0.665	0.665	0.000
	Std Dev	0.002	0.002	0.000

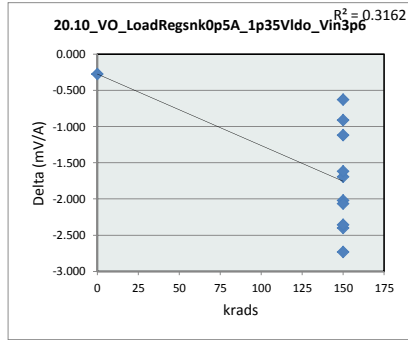


20.8_VO_snkload0p5A_1p35V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.7	V
Min Limit	0.62	V
krads	0	150
LL	0.620	0.620
Min	0.669	0.665
Average	0.669	0.669
Max	0.669	0.671
UL	0.700	0.700

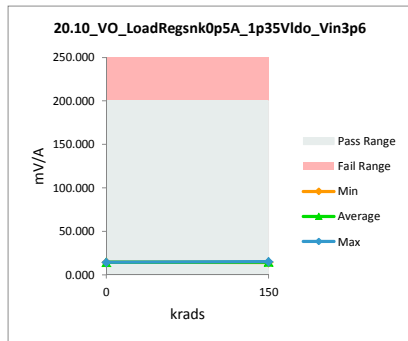


TID 150k HDR Rebound Report
TPS7H3301-SP

20.10_VO_LoadReqsnkOp5A_1p35Vldo_Vin3p6				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	14.050	14.327	-0.277
150	116A_Biased	12.739	14.431	-1.692
150	117A_Biased	12.812	14.432	-1.620
150	36B_biased	12.517	14.537	-2.020
150	37B_Biased	12.220	14.622	-2.402
150	39C_Biased	14.008	15.128	-1.120
150	118A_Unbiased	11.529	14.260	-2.731
150	140A_Unbiased	13.853	14.484	-0.631
150	38B_Unbiased	12.554	14.620	-2.066
150	39B_Unbiased	12.376	14.734	-2.358
150	40C_Unbiased	13.639	14.553	-0.914
Max		14.050	15.128	-0.277
Average		12.936	14.557	-1.621
Min		11.529	14.260	-2.731
Std Dev		0.831	0.233	0.793

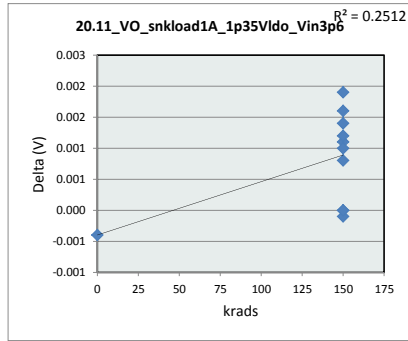


20.10_VO_LoadReqsnkOp5A_1p35Vldo_Vin3p6		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	14.327	14.260
Average	14.327	14.580
Max	14.327	15.128
UL	200.000	200.000

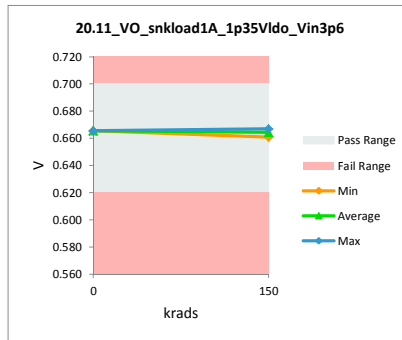


TID 150k HDR Rebound Report
TPS7H3301-SP

20.11_VO_snkload1A_1p35Vldo_Vin3p6				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.665	0.665	0.000
150	116A_Biased	0.666	0.665	0.001
150	117A_Biased	0.664	0.662	0.002
150	36B_biased	0.666	0.665	0.001
150	37B_Biased	0.666	0.665	0.001
150	39C_Biased	0.664	0.664	0.000
150	118A_Unbiased	0.669	0.667	0.002
150	140A_Unbiased	0.665	0.665	0.000
150	38B_Unbiased	0.667	0.666	0.001
150	39B_Unbiased	0.662	0.661	0.001
150	40C_Unbiased	0.663	0.663	0.000
	Max	0.669	0.667	0.002
	Average	0.665	0.664	0.001
	Min	0.662	0.661	0.000
	Std Dev	0.002	0.002	0.001

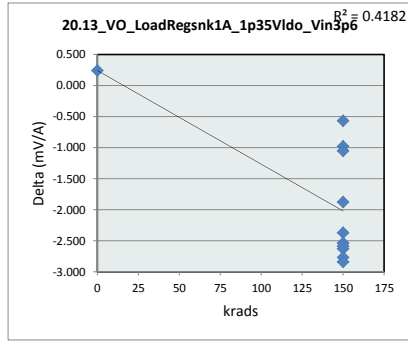


20.11_VO_snkload1A_1p35Vldo_Vin3p6		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.7	V
Min Limit	0.62	V
krads	0	150
LL	0.620	0.620
Min	0.666	0.661
Average	0.666	0.664
Max	0.666	0.667
UL	0.700	0.700

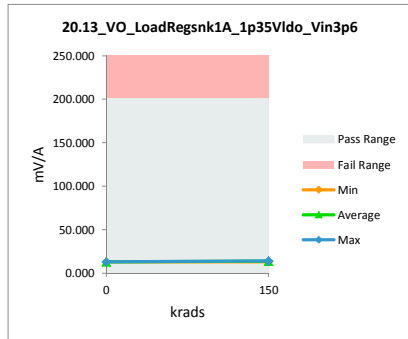


TID 150k HDR Rebound Report
TPS7H3301-SP

20.13_VO_LoadReqsnk1A_1p35VId				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	13.063	12.825	0.238
150	116A_Biased	11.089	13.464	-2.375
150	117A_Biased	10.924	13.462	-2.538
150	36B_biased	10.807	13.437	-2.630
150	37B_Biased	11.742	13.621	-1.879
150	39C_Biased	13.084	14.065	-0.981
150	118A_Unbiased	10.361	13.129	-2.768
150	140A_Unbiased	12.981	13.551	-0.570
150	38B_Unbiased	10.656	13.495	-2.839
150	39B_Unbiased	11.191	13.779	-2.588
150	40C_Unbiased	12.667	13.718	-1.051
	Max	13.084	14.065	0.238
	Average	11.688	13.504	-1.816
	Min	10.361	12.825	-2.839
	Std Dev	1.061	0.326	1.054

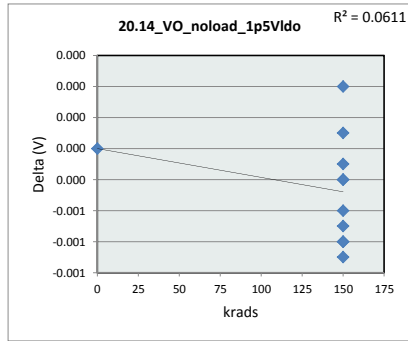


20.13_VO_LoadReqsnk1A_1p35VId_Vin3p6		
krads	0	150
LL	0.000	0.000
Min	12.825	13.129
Average	12.825	13.572
Max	12.825	14.065
UL	200.000	200.000

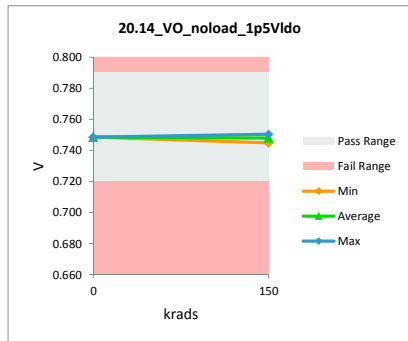


TID 150k HDR Rebound Report
TPS7H3301-SP

20.14_VO_noload_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.748	0.748	0.000
150	116A_Biased	0.748	0.748	0.000
150	117A_Biased	0.746	0.746	0.000
150	36B_biased	0.748	0.748	0.000
150	37B_Biased	0.748	0.748	0.000
150	39C_Biased	0.747	0.748	-0.001
150	118A_Unbiased	0.751	0.750	0.000
150	140A_Unbiased	0.748	0.749	-0.001
150	38B_Unbiased	0.749	0.750	-0.001
150	39B_Unbiased	0.744	0.745	-0.001
150	40C_Unbiased	0.746	0.747	-0.001
Max		0.751	0.750	0.000
Average		0.748	0.748	0.000
Min		0.744	0.745	-0.001
Std Dev		0.002	0.002	0.000



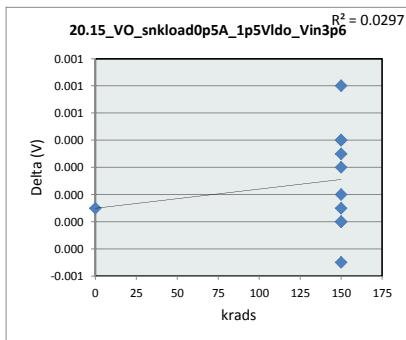
20.14_VO_noload_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.79	V
Min Limit	0.72	V
krads	0	150
LL	0.720	0.720
Min	0.748	0.745
Average	0.748	0.748
Max	0.748	0.750
UL	0.790	0.790



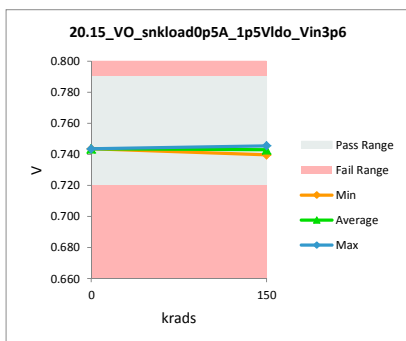
TID 150k HDR Rebound Report

TPS7H3301-SP

20.15_VO_snkload0p5A_1p5Vldo_Vin3p6				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.79	0.79	
Min Limit		0.72	0.72	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.743	0.743	0.000
150	116A_Biased	0.744	0.743	0.000
150	117A_Biased	0.741	0.741	0.000
150	36B_biased	0.743	0.743	0.000
150	37B_Biased	0.744	0.743	0.000
150	39C_Biased	0.743	0.743	0.000
150	118A_Unbiased	0.746	0.745	0.001
150	140A_Unbiased	0.744	0.744	0.000
150	38B_Unbiased	0.745	0.745	0.000
150	39B_Unbiased	0.739	0.740	0.000
150	40C_Unbiased	0.741	0.742	-0.001
Max		0.746	0.745	0.001
Average		0.743	0.743	0.000
Min		0.739	0.740	-0.001
Std Dev		0.002	0.002	0.000

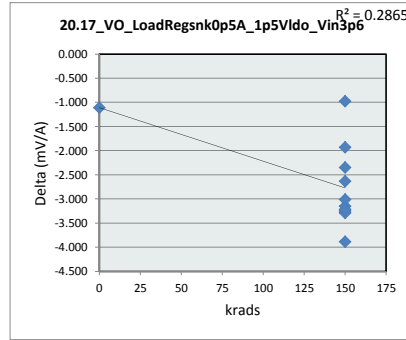


20.15_VO_snkload0p5A_1p5V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.79	V
Min Limit	0.72	V
krads	0	150
LL	0.720	0.720
Min	0.744	0.740
Average	0.744	0.743
Max	0.744	0.745
UL	0.790	0.790

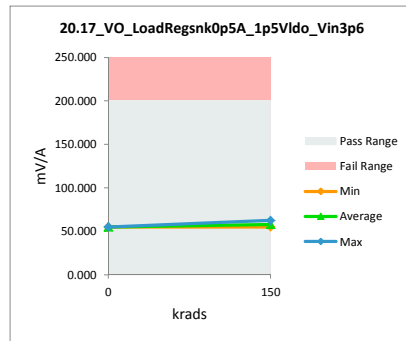


TID 150k HDR Rebound Report
TPS7H3301-SP

20.17_VO_LoadReqsnkOp5A_1p5Vldo_Vin3p6				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	53.879	54.986	-1.107
150	116A_Biased	57.634	59.983	-2.349
150	117A_Biased	56.900	60.051	-3.151
150	36B_biased	52.513	55.148	-2.635
150	37B_Biased	54.952	58.199	-3.247
150	39C_Biased	54.683	58.571	-3.888
150	118A_Unbiased	53.634	56.646	-3.012
150	140A_Unbiased	56.013	57.945	-1.932
150	38B_Unbiased	51.777	55.069	-3.292
150	39B_Unbiased	59.417	62.633	-3.216
150	40C_Unbiased	54.446	55.424	-0.978
	Max	59.417	62.633	-0.978
	Average	55.077	57.696	-2.619
	Min	51.777	54.986	-3.888
	Std Dev	2.261	2.515	0.937

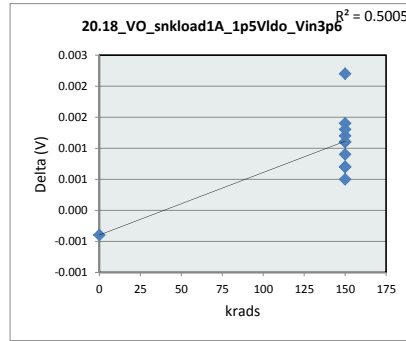


20.17_VO_LoadReqsnkOp5A_1p5Vldo_Vin3p6		
krads	0	150
LL	0.000	0.000
Min	54.986	55.069
Average	54.986	57.967
Max	54.986	62.633
UL	200.000	200.000

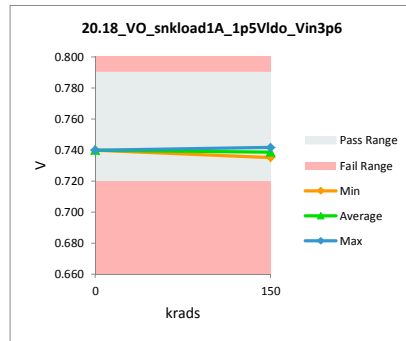


TID 150k HDR Rebound Report
TPS7H3301-SP

20.18_VO_snkload1A_1p5Vldo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.739	0.740	0.000
150	116A_Biased	0.740	0.739	0.001
150	117A_Biased	0.738	0.737	0.001
150	36B_biased	0.740	0.739	0.001
150	37B_Biased	0.740	0.739	0.001
150	39C_Biased	0.739	0.738	0.001
150	118A_Unbiased	0.744	0.742	0.002
150	140A_Unbiased	0.740	0.740	0.001
150	38B_Unbiased	0.742	0.740	0.001
150	39B_Unbiased	0.736	0.735	0.001
150	40C_Unbiased	0.738	0.738	0.000
	Max	0.744	0.742	0.002
	Average	0.740	0.739	0.001
	Min	0.736	0.735	0.000
	Std Dev	0.002	0.002	0.001

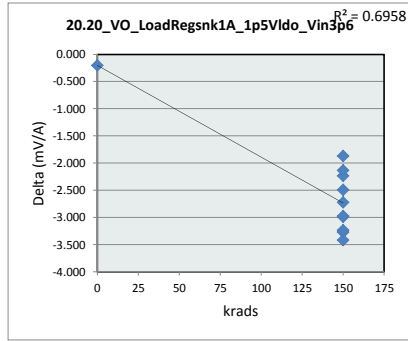


20.18_VO_snkload1A_1p5Vldo_Vin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.79	V
Min Limit	0.72	V
krads	0	150
LL	0.720	0.720
Min	0.740	0.735
Average	0.740	0.739
Max	0.740	0.742
UL	0.790	0.790

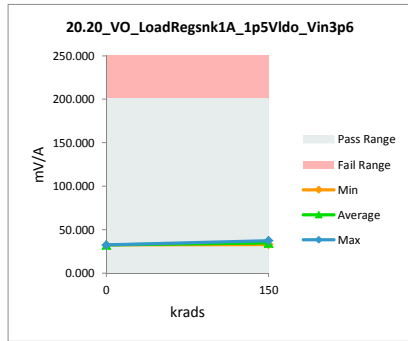


TID 150k HDR Rebound Report
TPS7H3301-SP

20.20_VO_LoadReqsnk1A_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	32.115	32.317	-0.202
150	116A_Biased	33.626	35.861	-2.235
150	117A_Biased	32.867	35.854	-2.987
150	36B_biased	30.367	32.858	-2.491
150	37B_Biased	31.776	34.753	-2.977
150	39C_Biased	32.075	35.491	-3.416
150	118A_Unbiased	30.006	33.280	-3.274
150	140A_Unbiased	32.547	34.680	-2.133
150	38B_Unbiased	30.091	33.326	-3.235
150	39B_Unbiased	34.714	37.437	-2.723
150	40C_Unbiased	31.422	33.291	-1.869
	Max	34.714	37.437	-0.202
	Average	31.964	34.468	-2.504
	Min	30.006	32.317	-3.416
	Std Dev	1.474	1.586	0.915

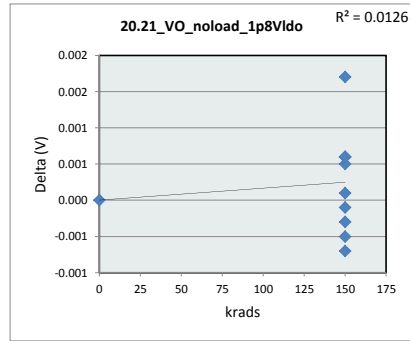


20.20_VO_LoadReqsnk1A_1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
	krads	
	0	150
LL	0.000	0.000
Min	32.317	32.858
Average	32.317	34.683
Max	32.317	37.437
UL	200.000	200.000

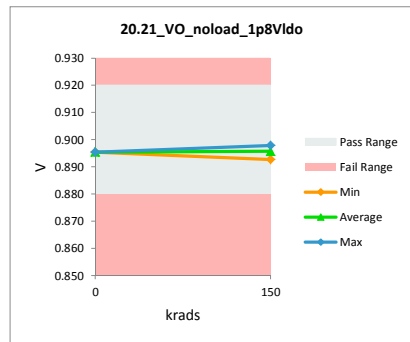


TID 150k HDR Rebound Report
TPS7H3301-SP

20.21_VO_noload_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.92	0.92		
Min Limit	0.88	0.88		
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.895	0.895	0.000
150	116A_Biased	0.897	0.896	0.000
150	117A_Biased	0.894	0.894	0.001
150	36B_biased	0.896	0.896	0.001
150	37B_Biased	0.896	0.896	0.001
150	39C_Biased	0.895	0.896	-0.001
150	118A_Unbiased	0.900	0.898	0.002
150	140A_Unbiased	0.896	0.897	-0.001
150	38B_Unbiased	0.897	0.897	0.000
150	39B_Unbiased	0.892	0.893	0.000
150	40C_Unbiased	0.894	0.895	0.000
Max		0.900	0.898	0.002
Average		0.896	0.896	0.000
Min		0.892	0.893	-0.001
Std Dev		0.002	0.002	0.001

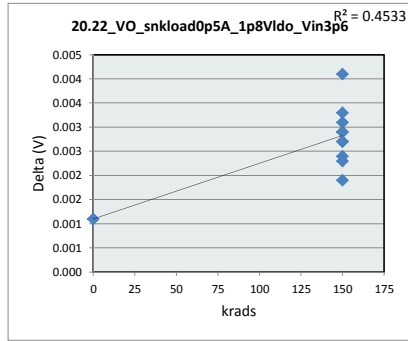


20.21_VO_noload_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.92	V
Min Limit	0.88	V
krads	0	150
LL	0.880	0.880
Min	0.895	0.893
Average	0.895	0.896
Max	0.895	0.898
UL	0.920	0.920

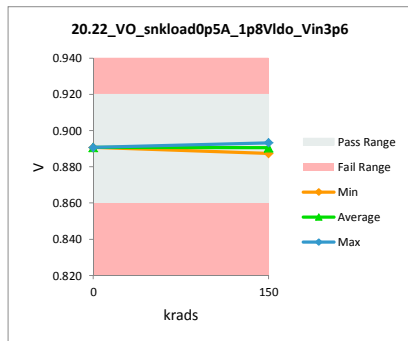


TID 150k HDR Rebound Report
TPS7H3301-SP

20.22_VO_snkload0p5A_1p8Vldo_Vin3p6				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.92	0.92		
Min Limit	0.86	0.86		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.892	0.891	0.001
150	116A_Biased	0.894	0.891	0.003
150	117A_Biased	0.892	0.889	0.003
150	36B_biased	0.893	0.891	0.003
150	37B_Biased	0.894	0.891	0.003
150	39C_Biased	0.893	0.890	0.002
150	118A_Unbiased	0.897	0.893	0.004
150	140A_Unbiased	0.893	0.891	0.002
150	38B_Unbiased	0.895	0.892	0.003
150	39B_Unbiased	0.890	0.887	0.002
150	40C_Unbiased	0.892	0.889	0.003
	Max	0.897	0.893	0.004
	Average	0.893	0.890	0.003
	Min	0.890	0.887	0.001
	Std Dev	0.002	0.002	0.001

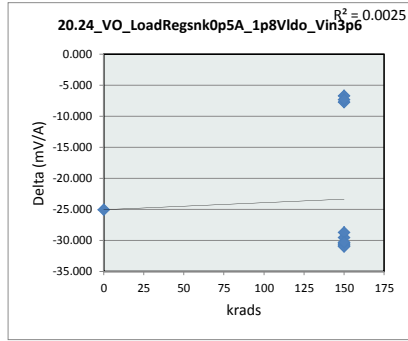


20.22_VO_snkload0p5A_1p8V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.92	V
Min Limit	0.86	V
krads	0	150
LL	0.860	0.860
Min	0.891	0.887
Average	0.891	0.890
Max	0.891	0.893
UL	0.920	0.920

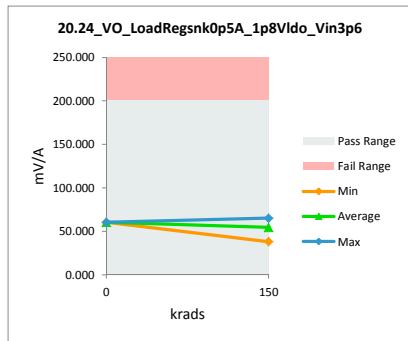


TID 150k HDR Rebound Report
TPS7H3301-SP

20.24_VO_LoadReqsnpOp5A_1p8Vldo_Vin3p6				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	35.326	60.413	-25.087
150	116A_Biased	31.187	61.872	-30.685
150	117A_Biased	33.247	63.681	-30.434
150	36B_biased	30.135	59.691	-29.556
150	37B_Biased	30.893	61.797	-30.904
150	39C_Biased	31.584	38.301	-6.717
150	118A_Unbiased	27.248	58.220	-30.972
150	140A_Unbiased	31.766	60.493	-28.727
150	38B_Unbiased	30.247	38.011	-7.764
150	39B_Unbiased	34.752	65.090	-30.338
150	40C_Unbiased	31.135	38.469	-7.334
	Max	35.326	65.090	-6.717
	Average	31.593	55.094	-23.502
	Min	27.248	38.011	-30.972
	Std Dev	2.244	10.969	10.556

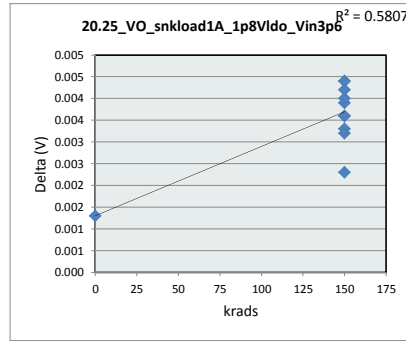


20.24_VO_LoadReqsnpOp5A_1p8Vldo_Vin3p6		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	60.413	38.011
Average	60.413	54.563
Max	60.413	65.090
UL	200.000	200.000

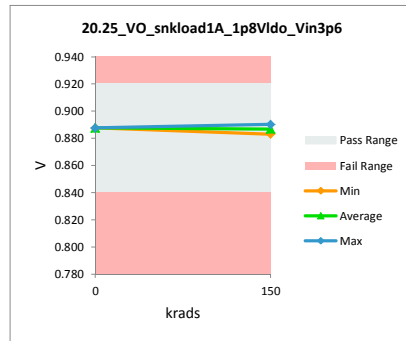


TID 150k HDR Rebound Report
TPS7H3301-SP

20.25_VO_snkload1A_1p8Vldo_Vin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.889	0.888	0.001
150	116A_Biased	0.891	0.887	0.004
150	117A_Biased	0.889	0.886	0.004
150	36B_biased	0.891	0.887	0.003
150	37B_Biased	0.891	0.887	0.004
150	39C_Biased	0.890	0.886	0.004
150	118A_Unbiased	0.894	0.890	0.004
150	140A_Unbiased	0.890	0.888	0.002
150	38B_Unbiased	0.892	0.888	0.004
150	39B_Unbiased	0.887	0.883	0.004
150	40C_Unbiased	0.889	0.886	0.003
	Max	0.894	0.890	0.004
	Average	0.890	0.887	0.003
	Min	0.887	0.883	0.001
	Std Dev	0.002	0.002	0.001

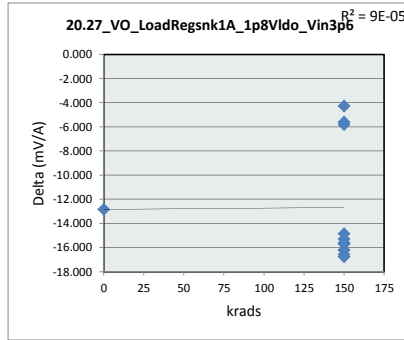


20.25_VO_snkload1A_1p8Vldo_Vin		
krads	0	150
LL	0.840	0.840
Min	0.888	0.883
Average	0.888	0.887
Max	0.888	0.890
UL	0.920	0.920

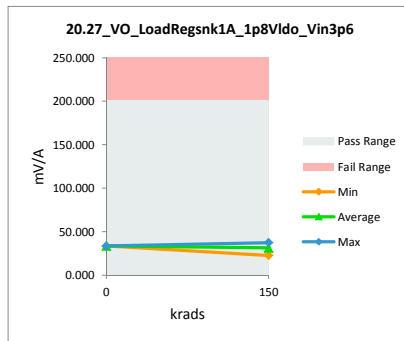


TID 150k HDR Rebound Report
TPS7H3301-SP

20.27_VO_LoadReqsnk1A_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	20.719	33.545	-12.826
150	116A_Biased	18.664	35.249	-16.585
150	117A_Biased	19.712	35.401	-15.689
150	36B_biased	18.093	33.383	-15.290
150	37B_Biased	18.530	34.737	-16.207
150	39C_Biased	18.829	24.425	-5.596
150	118A_Unbiased	16.855	32.467	-15.612
150	140A_Unbiased	19.292	34.139	-14.847
150	38B_Unbiased	18.201	24.016	-5.815
150	39B_Unbiased	20.522	37.281	-16.759
150	40C_Unbiased	18.427	22.716	-4.289
	Max	20.719	37.281	-4.289
	Average	18.895	31.578	-12.683
	Min	16.855	22.716	-16.759
	Std Dev	1.118	5.215	4.911

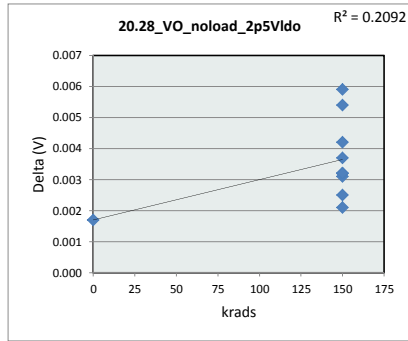


20.27_VO_LoadReqsnk1A_1p8Vldo_Vin3p6		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	33.545	22.716
Average	33.545	31.381
Max	33.545	37.281
UL	200.000	200.000

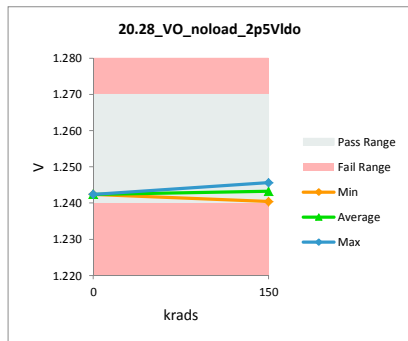


TID 150k HDR Rebound Report
TPS7H3301-SP

20.28_VO_noload_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.27	1.27		
Min Limit	1.24	1.24		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.244	1.242	0.002
150	116A_Biased	1.251	1.245	0.006
150	117A_Biased	1.245	1.242	0.003
150	36B_biased	1.246	1.243	0.003
150	37B_Biased	1.247	1.243	0.004
150	39C_Biased	1.246	1.243	0.003
150	118A_Unbiased	1.251	1.246	0.005
150	140A_Unbiased	1.247	1.244	0.003
150	38B_Unbiased	1.247	1.244	0.002
150	39B_Unbiased	1.244	1.240	0.004
150	40C_Unbiased	1.244	1.242	0.002
Max		1.251	1.246	0.006
Average		1.247	1.243	0.003
Min		1.244	1.240	0.002
Std Dev		0.002	0.002	0.001

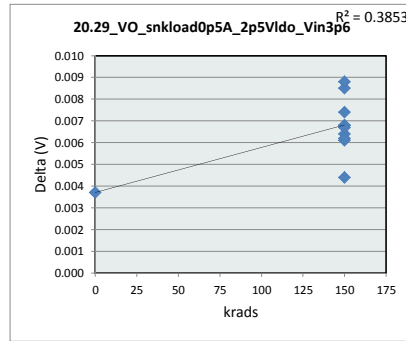


20.28_VO_noload_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.27	V
Min Limit	1.24	V
krads	0	150
LL	1.240	1.240
Min	1.242	1.240
Average	1.242	1.243
Max	1.242	1.246
UL	1.270	1.270

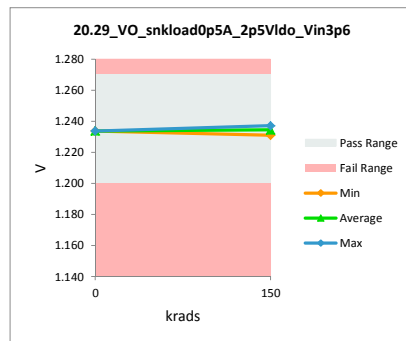


TID 150k HDR Rebound Report
TPS7H3301-SP

20.29_VO_snkload0p5A_2p5Vldo_Vin3p6				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.27	1.27	
Min Limit		1.2	1.2	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.237	1.234	0.004
150	116A_Biased	1.244	1.235	0.008
150	117A_Biased	1.239	1.232	0.007
150	36B_biased	1.241	1.234	0.006
150	37B_Biased	1.242	1.234	0.007
150	39C_Biased	1.241	1.234	0.007
150	118A_Unbiased	1.246	1.237	0.009
150	140A_Unbiased	1.241	1.237	0.004
150	38B_Unbiased	1.242	1.236	0.006
150	39B_Unbiased	1.238	1.231	0.007
150	40C_Unbiased	1.239	1.233	0.006
	Max	1.246	1.237	0.009
	Average	1.241	1.234	0.007
	Min	1.237	1.231	0.004
	Std Dev	0.003	0.002	0.002

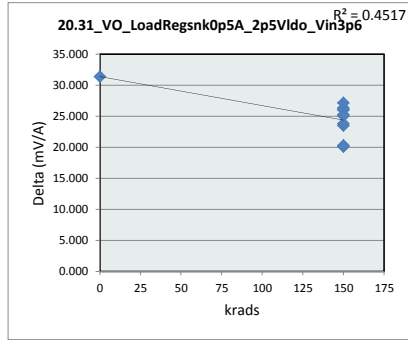


20.29_VO_snkload0p5A_2p5V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.27	V
Min Limit	1.2	V
krads	0	150
LL	1.200	1.200
Min	1.234	1.231
Average	1.234	1.234
Max	1.234	1.237
UL	1.270	1.270

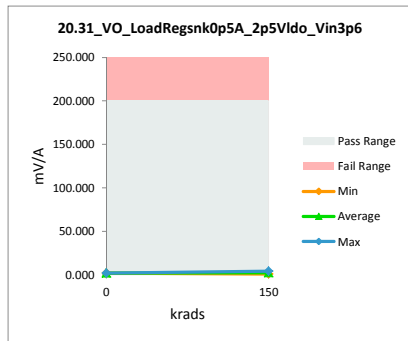


TID 150k HDR Rebound Report
TPS7H3301-SP

20.31_VO_LoadReqsnkOp5A_2p5Vldo_Vin3p6				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	33.450	2.092	31.358
150	116A_Biased	23.183	3.121	20.062
150	117A_Biased	29.226	3.168	26.058
150	36B_biased	27.183	0.878	26.305
150	37B_Biased	26.738	3.258	23.480
150	39C_Biased	27.195	3.395	23.800
150	118A_Unbiased	22.673	2.368	20.305
150	140A_Unbiased	27.244	1.241	26.003
150	38B_Unbiased	27.365	2.113	25.252
150	39B_Unbiased	29.189	4.150	25.039
150	40C_Unbiased	28.080	0.950	27.130
Max		33.450	4.150	31.358
Average		27.411	2.430	24.981
Min		22.673	0.878	20.062
Std Dev		2.903	1.088	3.147

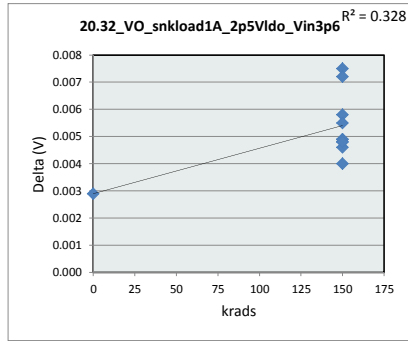


20.31_VO_LoadReqsnkOp5A_2p5Vldo_Vin3p6		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	2.092	0.878
Average	2.092	2.464
Max	2.092	4.150
UL	200.000	200.000

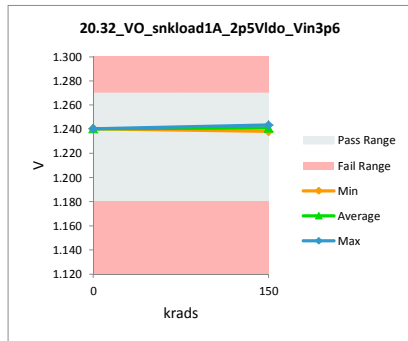


TID 150k HDR Rebound Report
TPS7H3301-SP

20.32_VO_snkload1A_2p5Vldo_Vin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.27	1.27	
Min Limit		1.18	1.18	
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.243	1.240	0.003
150	116A_Biased	1.250	1.242	0.007
150	117A_Biased	1.245	1.240	0.005
150	36B_biased	1.246	1.241	0.005
150	37B_Biased	1.247	1.241	0.006
150	39C_Biased	1.246	1.241	0.005
150	118A_Unbiased	1.251	1.243	0.007
150	140A_Unbiased	1.247	1.242	0.005
150	38B_Unbiased	1.247	1.242	0.005
150	39B_Unbiased	1.244	1.238	0.006
150	40C_Unbiased	1.244	1.240	0.004
	Max	1.251	1.243	0.007
	Average	1.246	1.241	0.005
	Min	1.243	1.238	0.003
	Std Dev	0.002	0.001	0.001

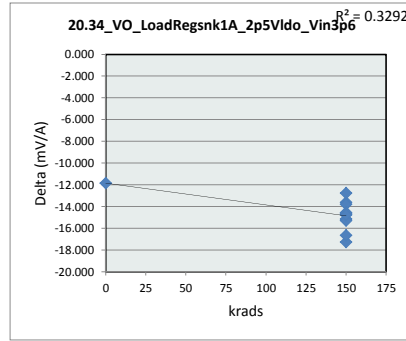


20.32_VO_snkload1A_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.27	V
Min Limit	1.18	V
krads	0	150
LL	1.180	1.180
Min	1.240	1.238
Average	1.240	1.241
Max	1.240	1.244
UL	1.270	1.270

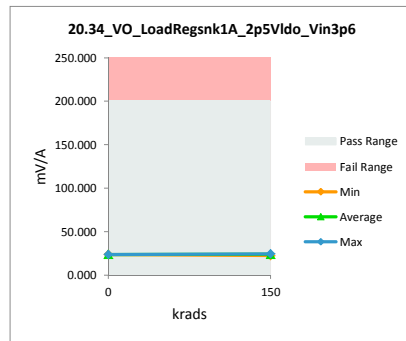


TID 150k HDR Rebound Report
TPS7H3301-SP

20.34_VO_LoadReqsnk1A_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	11.958	23.821	-11.863
150	116A_Biased	6.774	24.055	-17.281
150	117A_Biased	10.374	23.995	-13.621
150	36B_biased	9.562	23.351	-13.789
150	37B_Biased	9.018	24.154	-15.136
150	39C_Biased	9.541	24.211	-14.670
150	118A_Unbiased	7.479	24.128	-16.649
150	140A_Unbiased	9.127	24.423	-15.296
150	38B_Unbiased	9.569	24.116	-14.547
150	39B_Unbiased	9.674	24.436	-14.762
150	40C_Unbiased	9.755	22.519	-12.764
	Max	11.958	24.436	-11.863
	Average	9.348	23.928	-14.580
	Min	6.774	22.519	-17.281
	Std Dev	1.362	0.553	1.571

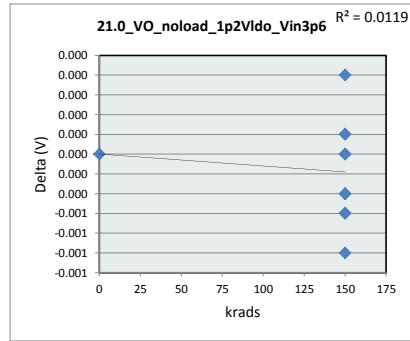


20.34_VO_LoadReqsnk1A_2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	23.821	22.519
Average	23.821	23.939
Max	23.821	24.436
UL	200.000	200.000

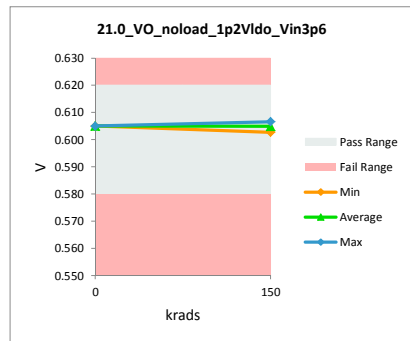


TID 150k HDR Rebound Report
TPS7H3301-SP

21.0_VO_noload_1p2Vldo_Vin3p6				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.58	0.58		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.605	0.605	0.000
150	116A_Biased	0.605	0.605	0.000
150	117A_Biased	0.604	0.604	0.000
150	36B_biased	0.604	0.605	0.000
150	37B_Biased	0.605	0.605	0.000
150	39C_Biased	0.604	0.605	0.000
150	118A_Unbiased	0.607	0.607	0.000
150	140A_Unbiased	0.605	0.605	0.000
150	38B_Unbiased	0.606	0.606	0.000
150	39B_Unbiased	0.602	0.603	-0.001
150	40C_Unbiased	0.604	0.604	0.000
	Max	0.607	0.607	0.000
	Average	0.605	0.605	0.000
	Min	0.602	0.603	-0.001
	Std Dev	0.001	0.001	0.000

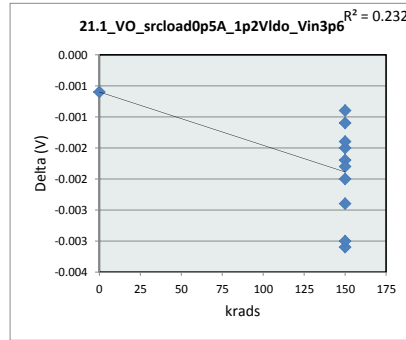


21.0_VO_noload_1p2Vldo_Vin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.62	V
Min Limit	0.58	V
krads	0	150
LL	0.580	0.580
Min	0.605	0.603
Average	0.605	0.605
Max	0.605	0.607
UL	0.620	0.620

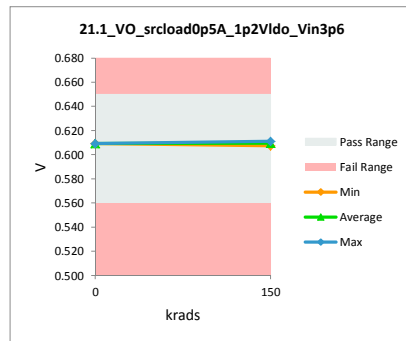


TID 150k HDR Rebound Report
TPS7H3301-SP

21.1_VO_srcload0p5A_1p2Vldo_Vin3p6				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.609	0.609	-0.001
150	116A_Biased	0.606	0.609	-0.003
150	117A_Biased	0.605	0.608	-0.003
150	36B_biased	0.608	0.609	-0.002
150	37B_Biased	0.609	0.609	-0.001
150	39C_Biased	0.608	0.610	-0.002
150	118A_Unbiased	0.609	0.611	-0.002
150	140A_Unbiased	0.609	0.610	-0.001
150	38B_Unbiased	0.609	0.611	-0.002
150	39B_Unbiased	0.606	0.607	-0.001
150	40C_Unbiased	0.607	0.609	-0.002
	Max	0.609	0.611	-0.001
	Average	0.608	0.609	-0.002
	Min	0.605	0.607	-0.003
	Std Dev	0.001	0.001	0.001

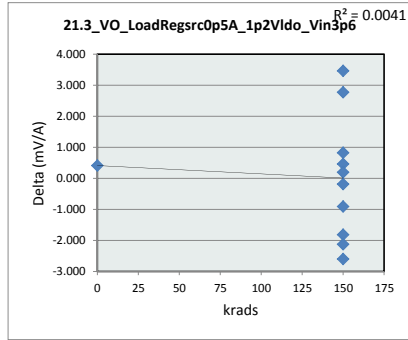


21.1_VO_srcload0p5A_1p2Vldo_Vin3p6		
krads	0	150
LL	0.560	0.560
Min	0.609	0.607
Average	0.609	0.609
Max	0.609	0.611
UL	0.650	0.650

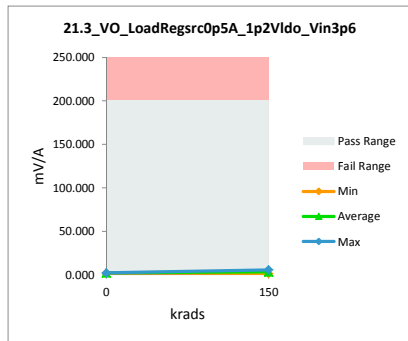


TID 150k HDR Rebound Report
TPS7H3301-SP

21.3_VO_LoadRegrsrc0p5A_1p2Vldo_Vin3p6				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.692	2.285	0.407
150	116A_Biased	5.094	2.327	2.767
150	117A_Biased	4.985	1.524	3.461
150	36B_biased	2.160	3.978	-1.818
150	37B_Biased	2.782	2.321	0.461
150	39C_Biased	3.063	5.661	-2.598
150	118A_Unbiased	3.326	2.510	0.816
150	140A_Unbiased	3.804	3.612	0.192
150	38B_Unbiased	2.820	3.734	-0.914
150	39B_Unbiased	1.934	2.119	-0.185
150	40C_Unbiased	3.333	5.459	-2.126
	Max	5.094	5.661	3.461
	Average	3.272	3.230	0.042
	Min	1.934	1.524	-2.598
	Std Dev	1.020	1.380	1.901

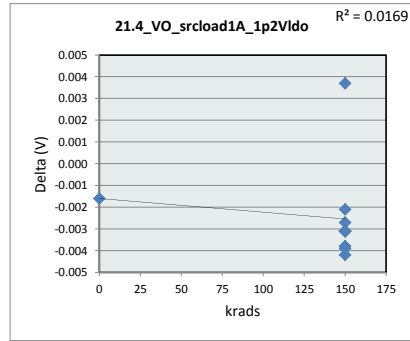


21.3_VO_LoadRegrsrc0p5A_1p2Vldo_Vin3p6		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	2.285	1.524
Average	2.285	3.325
Max	2.285	5.661
UL	200.000	200.000

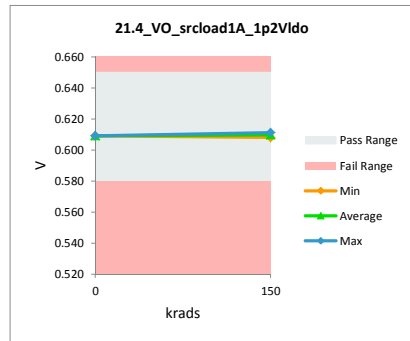


TID 150k HDR Rebound Report
TPS7H3301-SP

21.4_VO_srcload1A_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.65	0.65	
Min Limit		0.58	0.58	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.608	0.609	-0.002
150	116A_Biased	0.607	0.610	-0.003
150	117A_Biased	0.606	0.609	-0.003
150	36B_biased	0.606	0.609	-0.003
150	37B_Biased	0.607	0.610	-0.003
150	39C_Biased	0.606	0.610	-0.004
150	118A_Unbiased	0.615	0.611	0.004
150	140A_Unbiased	0.607	0.610	-0.003
150	38B_Unbiased	0.609	0.611	-0.002
150	39B_Unbiased	0.604	0.608	-0.004
150	40C_Unbiased	0.605	0.609	-0.004
	Max	0.615	0.611	0.004
	Average	0.607	0.610	-0.002
	Min	0.604	0.608	-0.004
	Std Dev	0.003	0.001	0.002

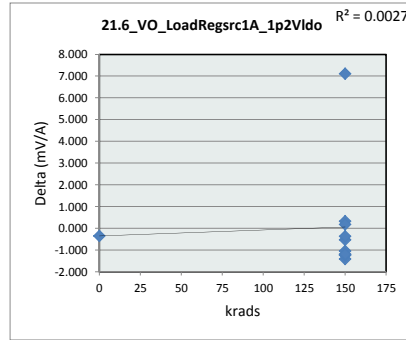


21.4_VO_srcload1A_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.65	V
Min Limit	0.58	V
krads	0	150
LL	0.580	0.580
Min	0.609	0.608
Average	0.609	0.610
Max	0.609	0.611
UL	0.650	0.650

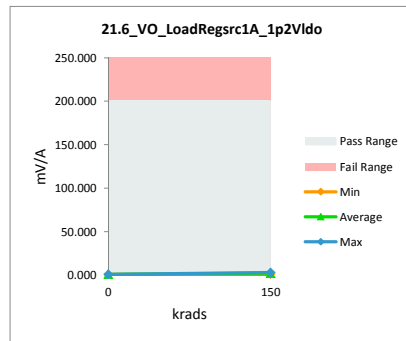


TID 150k HDR Rebound Report
TPS7H3301-SP

21.6_VO_LoadRegrsrc1A_1p2Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.584	0.945	-0.361
150	116A_Biased	1.058	2.109	-1.051
150	117A_Biased	1.899	1.578	0.321
150	36B_biased	1.508	2.040	-0.532
150	37B_Biased	1.738	1.569	0.169
150	39C_Biased	1.847	3.076	-1.229
150	118A_Unbiased	8.905	1.792	7.113
150	140A_Unbiased	1.014	2.423	-1.409
150	38B_Unbiased	0.885	2.123	-1.238
150	39B_Unbiased	1.839	2.202	-0.363
150	40C_Unbiased	1.692	2.884	-1.192
	Max	8.905	3.076	7.113
	Average	2.088	2.067	0.021
	Min	0.584	0.945	-1.409
	Std Dev	2.306	0.605	2.425

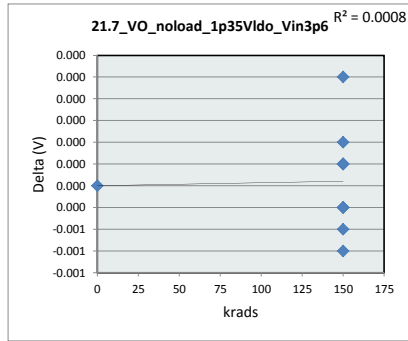


21.6_VO_LoadRegrsrc1A_1p2V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	0.945	1.569
Average	0.945	2.180
Max	0.945	3.076
UL	200.000	200.000

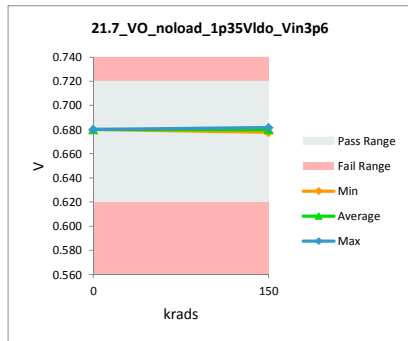


TID 150k HDR Rebound Report
TPS7H3301-SP

21.7_VO_noload_1p35Vldo_Vin3p6				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.72	0.72	
Min Limit		0.62	0.62	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.680	0.680	0.000
150	116A_Biased	0.680	0.681	0.000
150	117A_Biased	0.679	0.679	0.000
150	36B_biased	0.680	0.680	0.000
150	37B_Biased	0.680	0.680	0.000
150	39C_Biased	0.679	0.680	0.000
150	118A_Unbiased	0.682	0.682	0.000
150	140A_Unbiased	0.680	0.680	0.000
150	38B_Unbiased	0.681	0.681	0.000
150	39B_Unbiased	0.677	0.678	-0.001
150	40C_Unbiased	0.679	0.679	0.000
	Max	0.682	0.682	0.000
	Average	0.680	0.680	0.000
	Min	0.677	0.678	-0.001
	Std Dev	0.001	0.001	0.000



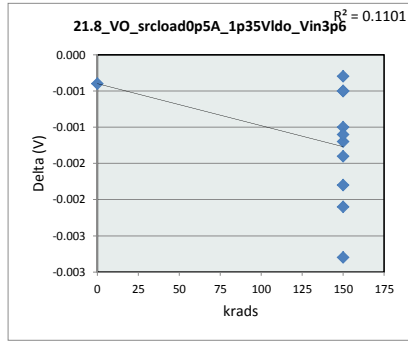
21.7_VO_noload_1p35Vldo_Vi		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.72	V
Min Limit	0.62	V
krads	0	150
LL	0.620	0.620
Min	0.680	0.678
Average	0.680	0.680
Max	0.680	0.682
UL	0.720	0.720



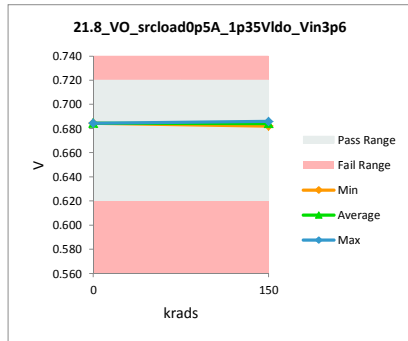
TID 150k HDR Rebound Report

TPS7H3301-SP

21.8_VO_srcload0p5A_1p35Vldo_V				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.72	0.72	
Min Limit		0.62	0.62	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.684	0.684	0.000
150	116A_Biased	0.682	0.684	-0.002
150	117A_Biased	0.680	0.683	-0.003
150	36B_biased	0.683	0.684	-0.001
150	37B_Biased	0.684	0.684	-0.001
150	39C_Biased	0.683	0.684	-0.001
150	118A_Unbiased	0.684	0.686	-0.002
150	140A_Unbiased	0.684	0.685	0.000
150	38B_Unbiased	0.684	0.686	-0.001
150	39B_Unbiased	0.682	0.682	-0.001
150	40C_Unbiased	0.682	0.683	-0.001
Max		0.684	0.686	0.000
Average		0.683	0.684	-0.001
Min		0.680	0.682	-0.003
Std Dev		0.001	0.001	0.001

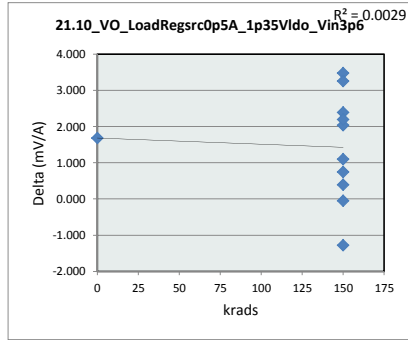


21.8_VO_srcload0p5A_1p35Vldo_V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.72	V
Min Limit	0.62	V
krads	0	150
LL	0.620	0.620
Min	0.684	0.682
Average	0.684	0.684
Max	0.684	0.686
UL	0.720	0.720

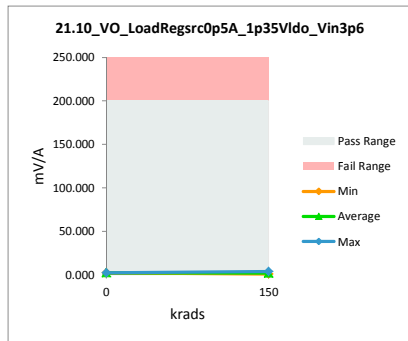


TID 150k HDR Rebound Report
TPS7H3301-SP

21.10_VO_LoadRegrsrc0p5A_1p35V				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	4.090	2.409	1.681
150	116A_Biased	1.964	0.866	1.098
150	117A_Biased	3.342	1.305	2.037
150	36B_biased	3.884	3.937	-0.053
150	37B_Biased	3.890	1.502	2.388
150	39C_Biased	3.614	3.221	0.393
150	118A_Unbiased	0.827	2.101	-1.274
150	140A_Unbiased	5.376	1.903	3.473
150	38B_Unbiased	3.754	1.558	2.196
150	39B_Unbiased	4.382	1.124	3.258
150	40C_Unbiased	4.021	3.279	0.742
	Max	5.376	3.937	3.473
	Average	3.559	2.110	1.449
	Min	0.827	0.866	-1.274
	Std Dev	1.216	0.996	1.436

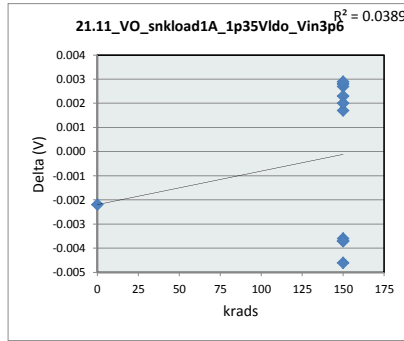


21.10_VO_LoadRegrsrc0p5A_1		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	2.409	0.866
Average	2.409	2.080
Max	2.409	3.937
UL	200.000	200.000

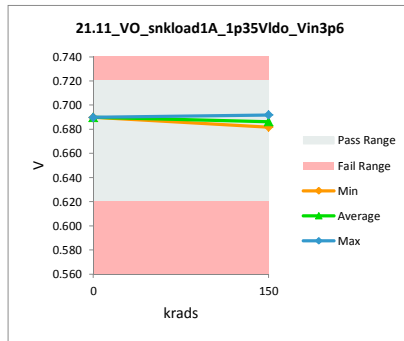


TID 150k HDR Rebound Report
TPS7H3301-SP

21.11_VO_snkload1A_1p35Vldo_Vin3p6				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.72	0.72		
Min Limit	0.62	0.62		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.688	0.690	-0.002
150	116A_Biased	0.687	0.691	-0.004
150	117A_Biased	0.685	0.683	0.003
150	36B_biased	0.686	0.690	-0.004
150	37B_Biased	0.687	0.684	0.003
150	39C_Biased	0.686	0.684	0.002
150	118A_Unbiased	0.688	0.692	-0.004
150	140A_Unbiased	0.687	0.684	0.003
150	38B_Unbiased	0.687	0.692	-0.005
150	39B_Unbiased	0.684	0.682	0.002
150	40C_Unbiased	0.685	0.683	0.002
	Max	0.688	0.692	0.003
	Average	0.686	0.687	0.000
	Min	0.684	0.682	-0.005
	Std Dev	0.001	0.004	0.003

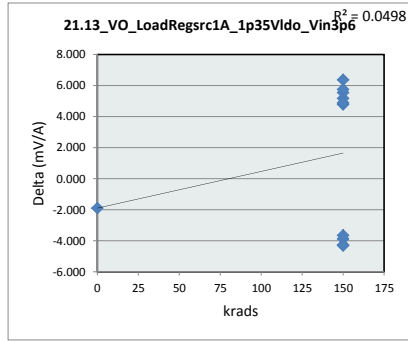


21.11_VO_snkload1A_1p35Vldo_Vin3p6		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.72	V
Min Limit	0.62	V
krads	0	150
LL	0.620	0.620
Min	0.690	0.682
Average	0.690	0.686
Max	0.690	0.692
UL	0.720	0.720

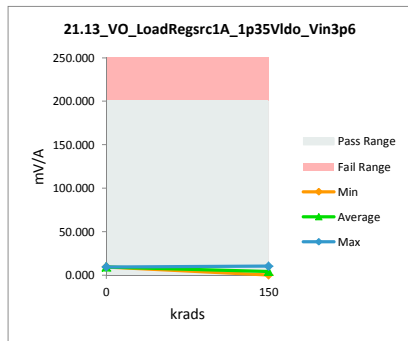


TID 150k HDR Rebound Report
TPS7H3301-SP

21.13_VO_LoadRegrsrc1A_1p35Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	7.470	9.366	-1.896
150	116A_Biased	6.610	10.264	-3.654
150	117A_Biased	5.502	0.330	5.172
150	36B_biased	5.839	9.729	-3.890
150	37B_Biased	5.788	0.258	5.530
150	39C_Biased	5.667	0.883	4.784
150	118A_Unbiased	5.627	9.904	-4.277
150	140A_Unbiased	6.738	0.370	6.368
150	38B_Unbiased	5.807	10.120	-4.313
150	39B_Unbiased	5.893	0.157	5.736
150	40C_Unbiased	5.659	0.788	4.871
	Max	7.470	10.264	6.368
	Average	6.055	4.743	1.312
	Min	5.502	0.157	-4.313
	Std Dev	0.615	4.925	4.769

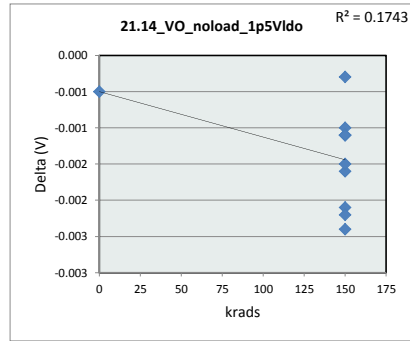


21.13_VO_LoadRegrsrc1A_1p35Vldo_Vin3p6		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	9.366	0.157
Average	9.366	4.280
Max	9.366	10.264
UL	200.000	200.000

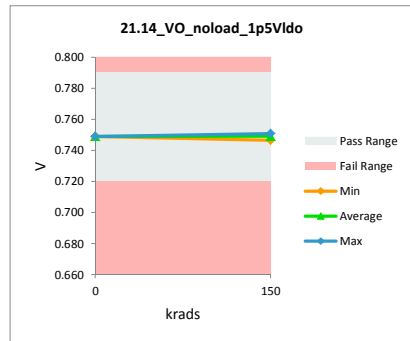


TID 150k HDR Rebound Report
TPS7H3301-SP

21.14_VO_noload_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.748	0.749	-0.001
150	116A_Biased	0.748	0.749	-0.001
150	117A_Biased	0.746	0.748	-0.002
150	36B_biased	0.748	0.749	-0.001
150	37B_Biased	0.748	0.749	-0.001
150	39C_Biased	0.747	0.749	-0.002
150	118A_Unbiased	0.751	0.751	0.000
150	140A_Unbiased	0.748	0.750	-0.001
150	38B_Unbiased	0.749	0.751	-0.002
150	39B_Unbiased	0.744	0.747	-0.002
150	40C_Unbiased	0.746	0.748	-0.002
Max		0.751	0.751	0.000
Average		0.748	0.749	-0.001
Min		0.744	0.747	-0.002
Std Dev		0.002	0.001	0.001

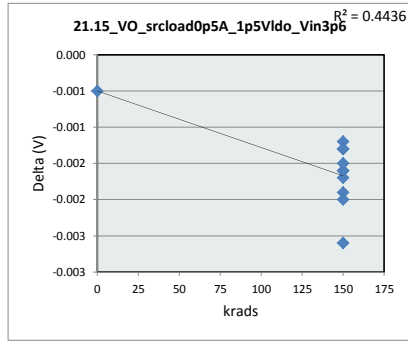


21.14_VO_noload_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.79	V
Min Limit	0.72	V
krads	0	150
LL	0.720	0.720
Min	0.749	0.747
Average	0.749	0.749
Max	0.749	0.751
UL	0.790	0.790

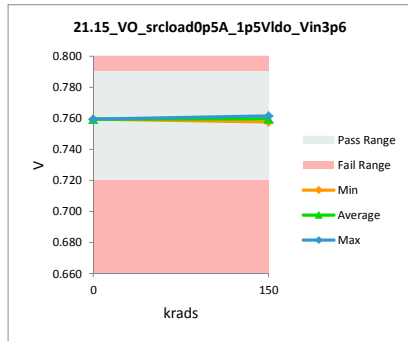


TID 150k HDR Rebound Report
TPS7H3301-SP

21.15_VO_srcloadOp5A_1p5Vldo_V				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.759	0.759	-0.001
150	116A_Biased	0.758	0.759	-0.002
150	117A_Biased	0.756	0.758	-0.003
150	36B_biased	0.758	0.760	-0.002
150	37B_Biased	0.759	0.760	-0.002
150	39C_Biased	0.758	0.760	-0.002
150	118A_Unbiased	0.760	0.761	-0.002
150	140A_Unbiased	0.759	0.760	-0.001
150	38B_Unbiased	0.759	0.761	-0.001
150	39B_Unbiased	0.756	0.757	-0.001
150	40C_Unbiased	0.757	0.759	-0.002
	Max	0.760	0.761	-0.001
	Average	0.758	0.760	-0.002
	Min	0.756	0.757	-0.003
	Std Dev	0.001	0.001	0.001

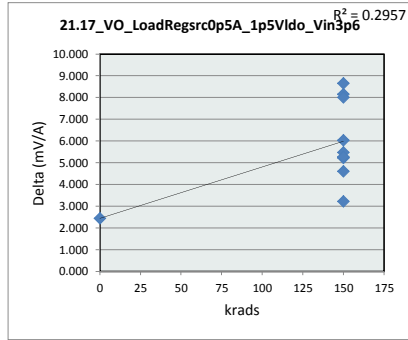


21.15_VO_srcloadOp5A_1p5Vldo_V		
krads	0	150
LL	0.720	0.720
Min	0.759	0.758
Average	0.759	0.760
Max	0.759	0.761
UL	0.790	0.790

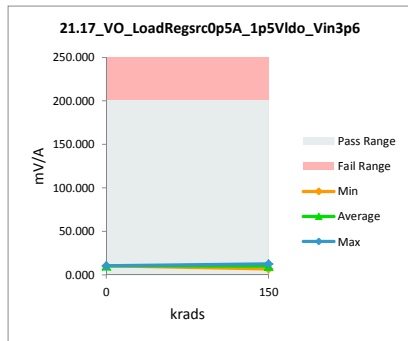


TID 150k HDR Rebound Report
TPS7H3301-SP

21.17_VO_LoadRegrsrc0p5A_1p5Vldo_Vin3p6				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	12.795	10.359	2.436
150	116A_Biased	20.622	12.473	8.149
150	117A_Biased	18.740	10.738	8.002
150	36B_biased	14.356	9.127	5.229
150	37B_Biased	15.703	10.231	5.472
150	39C_Biased	14.060	8.824	5.236
150	118A_Unbiased	18.672	10.026	8.646
150	140A_Unbiased	15.896	10.625	5.271
150	38B_Unbiased	13.298	10.082	3.216
150	39B_Unbiased	15.456	10.844	4.612
150	40C_Unbiased	12.905	6.875	6.030
Max		20.622	12.473	8.646
Average		15.682	10.019	5.664
Min		12.795	6.875	2.436
Std Dev		2.625	1.409	1.969

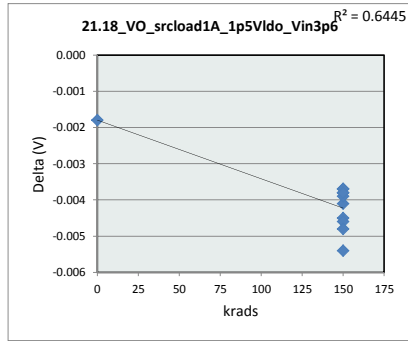


21.17_VO_LoadRegrsrc0p5A_1		
krads	0	150
LL	0.000	0.000
Min	10.359	6.875
Average	10.359	9.985
Max	10.359	12.473
UL	200.000	200.000

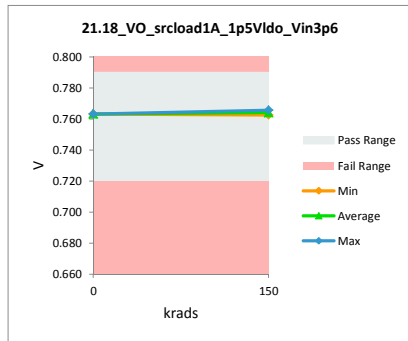


TID 150k HDR Rebound Report
TPS7H3301-SP

21.18_VO_srcload1A_1p5VIdo_Vin3p6				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.761	0.763	-0.002
150	116A_Biased	0.761	0.764	-0.004
150	117A_Biased	0.759	0.763	-0.004
150	36B_biased	0.760	0.763	-0.004
150	37B_Biased	0.760	0.764	-0.004
150	39C_Biased	0.759	0.765	-0.005
150	118A_Unbiased	0.762	0.766	-0.004
150	140A_Unbiased	0.761	0.765	-0.004
150	38B_Unbiased	0.761	0.765	-0.004
150	39B_Unbiased	0.758	0.762	-0.005
150	40C_Unbiased	0.758	0.763	-0.005
Max		0.762	0.766	-0.002
Average		0.760	0.764	-0.004
Min		0.758	0.762	-0.005
Std Dev		0.001	0.001	0.001

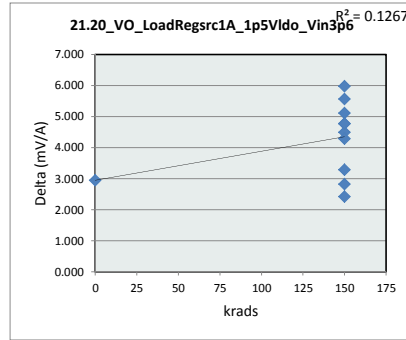


21.18_VO_srcload1A_1p5VIdo_Vin3p6		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.79	V
Min Limit	0.72	V
krads	0	150
LL	0.720	0.720
Min	0.763	0.763
Average	0.763	0.764
Max	0.763	0.766
UL	0.790	0.790

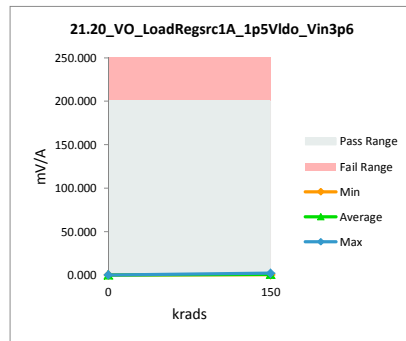


TID 150k HDR Rebound Report
TPS7H3301-SP

21.20_VO_LoadRegrsrc1A_1p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.084	0.135	2.949
150	116A_Biased	6.317	0.341	5.976
150	117A_Biased	5.397	0.633	4.764
150	36B_biased	5.011	0.525	4.486
150	37B_Biased	5.479	0.370	5.109
150	39C_Biased	5.095	2.276	2.819
150	118A_Unbiased	6.138	0.571	5.567
150	140A_Unbiased	5.459	0.690	4.769
150	38B_Unbiased	4.579	1.294	3.285
150	39B_Unbiased	5.523	1.243	4.280
150	40C_Unbiased	4.618	2.195	2.423
	Max	6.317	2.276	5.976
	Average	5.155	0.934	4.221
	Min	3.084	0.135	2.423
	Std Dev	0.874	0.733	1.185

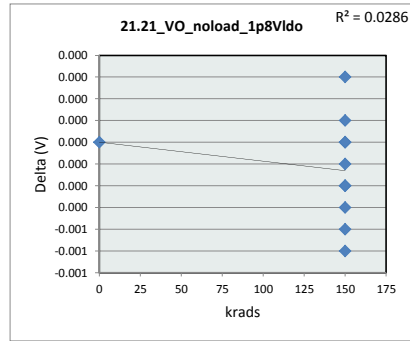


21.20_VO_LoadRegrsrc1A_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	0.135	0.341
Average	0.135	1.014
Max	0.135	2.276
UL	200.000	200.000

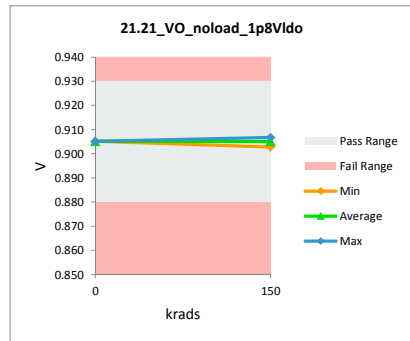


TID 150k HDR Rebound Report
TPS7H3301-SP

21.21_VO_noload_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.93	0.93		
Min Limit	0.88	0.88		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.905	0.905	0.000
150	116A_Biased	0.905	0.906	0.000
150	117A_Biased	0.904	0.904	0.000
150	36B_biased	0.905	0.905	0.000
150	37B_Biased	0.905	0.906	-0.001
150	39C_Biased	0.905	0.905	0.000
150	118A_Unbiased	0.907	0.907	0.000
150	140A_Unbiased	0.905	0.905	0.000
150	38B_Unbiased	0.906	0.906	0.000
150	39B_Unbiased	0.902	0.903	-0.001
150	40C_Unbiased	0.904	0.904	0.000
Max		0.907	0.907	0.000
Average		0.905	0.905	0.000
Min		0.902	0.903	-0.001
Std Dev		0.001	0.001	0.000

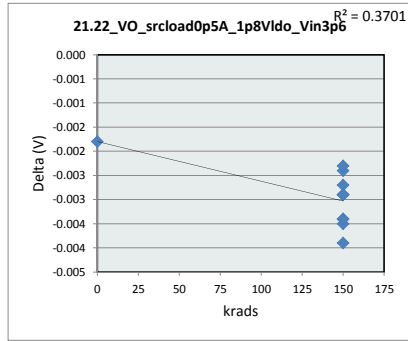


21.21_VO_noload_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.93	V
Min Limit	0.88	V
krads	0	150
LL	0.880	0.880
Min	0.905	0.903
Average	0.905	0.905
Max	0.905	0.907
UL	0.930	0.930

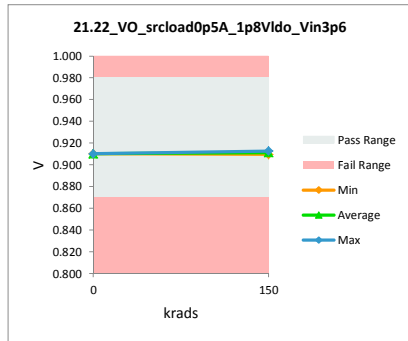


TID 150k HDR Rebound Report
TPS7H3301-SP

21.22_VO_srcloadOp5A_1p8Vldo_V				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.908	0.910	-0.002
150	116A_Biased	0.909	0.911	-0.002
150	117A_Biased	0.907	0.910	-0.003
150	36B_biased	0.908	0.910	-0.003
150	37B_Biased	0.908	0.911	-0.003
150	39C_Biased	0.908	0.911	-0.004
150	118A_Unbiased	0.910	0.913	-0.002
150	140A_Unbiased	0.909	0.912	-0.003
150	38B_Unbiased	0.909	0.913	-0.003
150	39B_Unbiased	0.906	0.910	-0.003
150	40C_Unbiased	0.907	0.910	-0.003
	Max	0.910	0.913	-0.002
	Average	0.908	0.911	-0.003
	Min	0.906	0.910	-0.004
	Std Dev	0.001	0.001	0.001

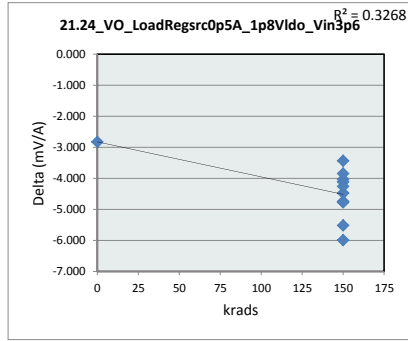


21.22_VO_srcloadOp5A_1p8Vldo_V		
krads	0	150
LL	0.870	0.870
Min	0.910	0.910
Average	0.910	0.911
Max	0.910	0.913
UL	0.980	0.980

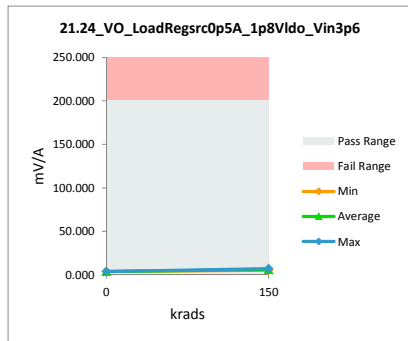


TID 150k HDR Rebound Report
TPS7H3301-SP

21.24_VO_LoadRegrsrc0p5A_1p8Vldo_Vin3p6				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.108	3.934	-2.826
150	116A_Biased	2.523	5.955	-3.432
150	117A_Biased	0.815	5.290	-4.475
150	36B_biased	1.408	5.445	-4.037
150	37B_Biased	1.456	5.569	-4.113
150	39C_Biased	1.283	7.272	-5.989
150	118A_Unbiased	1.886	6.145	-4.259
150	140A_Unbiased	2.469	6.320	-3.851
150	38B_Unbiased	1.238	5.979	-4.741
150	39B_Unbiased	1.708	6.485	-4.777
150	40C_Unbiased	1.532	7.049	-5.517
	Max	2.523	7.272	-2.826
	Average	1.584	5.949	-4.365
	Min	0.815	3.934	-5.989
	Std Dev	0.534	0.912	0.893

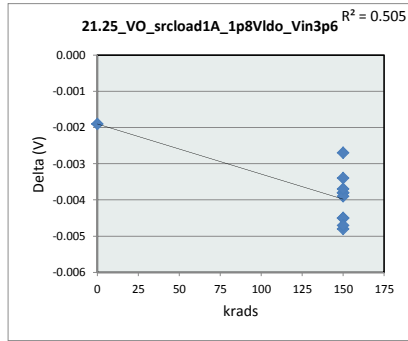


21.24_VO_LoadRegrsrc0p5A_1		
krads	0	150
LL	0.000	0.000
Min	3.934	5.290
Average	3.934	6.151
Max	3.934	7.272
UL	200.000	200.000

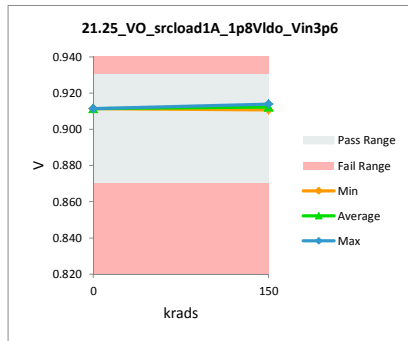


TID 150k HDR Rebound Report
TPS7H3301-SP

21.25_VO_srcload1A_1p8Vldo_Vin3p6				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.910	0.911	-0.002
150	116A_Biased	0.910	0.912	-0.003
150	117A_Biased	0.907	0.911	-0.004
150	36B_biased	0.908	0.912	-0.004
150	37B_Biased	0.909	0.913	-0.004
150	39C_Biased	0.908	0.913	-0.005
150	118A_Unbiased	0.910	0.914	-0.003
150	140A_Unbiased	0.909	0.913	-0.004
150	38B_Unbiased	0.909	0.914	-0.005
150	39B_Unbiased	0.906	0.911	-0.005
150	40C_Unbiased	0.907	0.911	-0.005
	Max	0.910	0.914	-0.002
	Average	0.908	0.912	-0.004
	Min	0.906	0.911	-0.005
	Std Dev	0.001	0.001	0.001

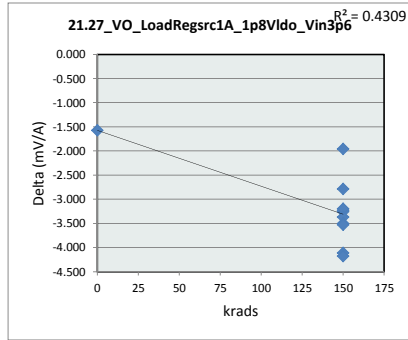


21.25_VO_srcload1A_1p8Vldo_Vin3p6		
krads	0	150
LL	0.870	0.870
Min	0.911	0.911
Average	0.911	0.912
Max	0.911	0.914
UL	0.930	0.930

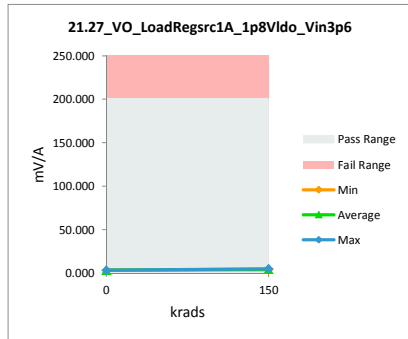


TID 150k HDR Rebound Report
TPS7H3301-SP

21.27_VO_LoadRegrsrc1A_1p8Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.696	3.272	-1.576
150	116A_Biased	2.096	4.051	-1.955
150	117A_Biased	0.622	3.877	-3.255
150	36B_biased	0.953	4.181	-3.228
150	37B_Biased	0.977	4.176	-3.199
150	39C_Biased	0.928	5.037	-4.109
150	118A_Unbiased	1.014	4.382	-3.368
150	140A_Unbiased	1.576	4.361	-2.785
150	38B_Unbiased	0.976	4.476	-3.500
150	39B_Unbiased	1.068	4.593	-3.525
150	40C_Unbiased	0.878	5.056	-4.178
	Max	2.096	5.056	-1.576
	Average	1.162	4.315	-3.153
	Min	0.622	3.272	-4.178
	Std Dev	0.436	0.507	0.797

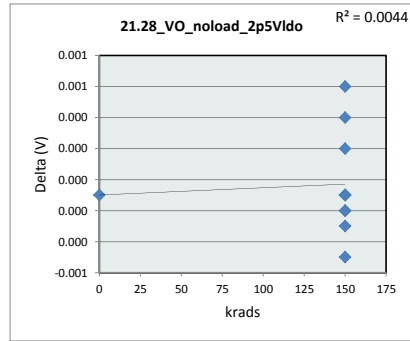


21.27_VO_LoadRegrsrc1A_1p8		
krads	0	150
LL	0.000	0.000
Min	3.272	3.877
Average	3.272	4.419
Max	3.272	5.056
UL	200.000	200.000

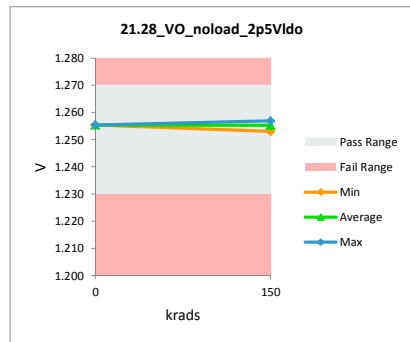


TID 150k HDR Rebound Report
TPS7H3301-SP

21.28_VO_noload_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.27	1.27	
Min Limit		1.23	1.23	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.255	1.255	0.000
150	116A_Biased	1.256	1.256	0.001
150	117A_Biased	1.255	1.255	0.000
150	36B_biased	1.255	1.255	0.000
150	37B_Biased	1.255	1.256	0.000
150	39C_Biased	1.255	1.255	0.000
150	118A_Unbiased	1.257	1.257	0.000
150	140A_Unbiased	1.255	1.256	0.000
150	38B_Unbiased	1.257	1.257	0.000
150	39B_Unbiased	1.253	1.253	0.000
150	40C_Unbiased	1.254	1.254	0.000
	Max	1.257	1.257	0.001
	Average	1.255	1.255	0.000
	Min	1.253	1.253	0.000
	Std Dev	0.001	0.001	0.000

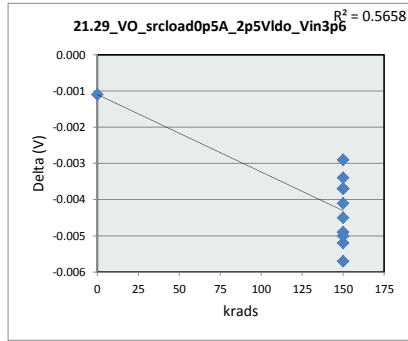


21.28_VO_noload_2p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.27	V
Min Limit	1.23	V
krads	0	150
LL	1.230	1.230
Min	1.255	1.253
Average	1.255	1.255
Max	1.255	1.257
UL	1.270	1.270

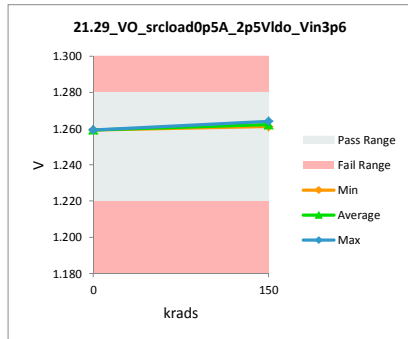


TID 150k HDR Rebound Report
TPS7H3301-SP

21.29_VO_srcloadOp5A_2p5Vldo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.28	1.28		
Min Limit	1.22	1.22		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.258	1.259	-0.001
150	116A_Biased	1.259	1.262	-0.003
150	117A_Biased	1.257	1.261	-0.004
150	36B_biased	1.258	1.261	-0.004
150	37B_Biased	1.258	1.263	-0.005
150	39C_Biased	1.257	1.263	-0.006
150	118A_Unbiased	1.260	1.263	-0.003
150	140A_Unbiased	1.258	1.262	-0.004
150	38B_Unbiased	1.259	1.264	-0.005
150	39B_Unbiased	1.256	1.261	-0.005
150	40C_Unbiased	1.256	1.261	-0.005
	Max	1.260	1.264	-0.001
	Average	1.258	1.262	-0.004
	Min	1.256	1.259	-0.006
	Std Dev	0.001	0.001	0.001

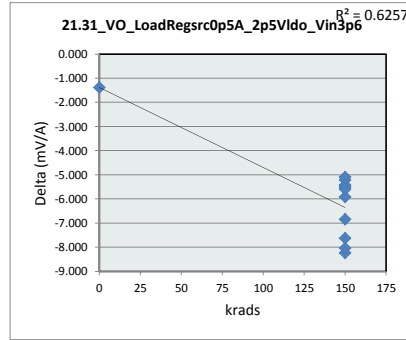


21.29_VO_srcloadOp5A_2p5Vldo_V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.28	V
Min Limit	1.22	V
krads	0	150
LL	1.220	1.220
Min	1.259	1.261
Average	1.259	1.262
Max	1.259	1.264
UL	1.280	1.280

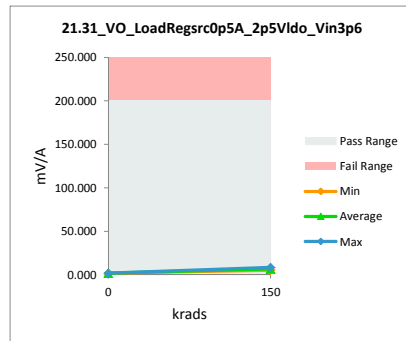


TID 150k HDR Rebound Report
TPS7H3301-SP

21.31_VO_LoadRegrsrc0p5A_2p5Vldo_Vin3p6				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.428	1.817	-1.389
150	116A_Biased	0.692	5.911	-5.219
150	117A_Biased	0.531	6.040	-5.509
150	36B_biased	0.297	5.393	-5.096
150	37B_Biased	0.524	6.442	-5.918
150	39C_Biased	0.253	8.482	-8.229
150	118A_Unbiased	0.155	5.585	-5.430
150	140A_Unbiased	0.306	5.907	-5.601
150	38B_Unbiased	0.081	6.928	-6.847
150	39B_Unbiased	0.214	7.835	-7.621
150	40C_Unbiased	0.248	8.283	-8.035
	Max	0.692	8.482	-1.389
	Average	0.339	6.238	-5.899
	Min	0.081	1.817	-8.229
	Std Dev	0.184	1.823	1.891

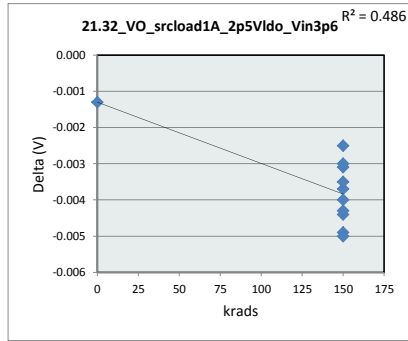


21.31_VO_LoadRegrsrc0p5A_2		
krads	0	150
LL	0.000	0.000
Min	1.817	5.393
Average	1.817	6.681
Max	1.817	8.482
UL	200.000	200.000

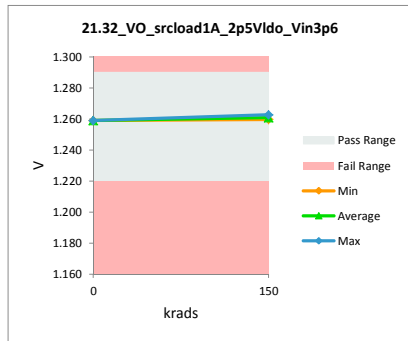


TID 150k HDR Rebound Report
TPS7H3301-SP

21.32_VO_srcload1A_2p5VIdo_Vin3p6				
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.258	1.259	-0.001
150	116A_Biased	1.258	1.261	-0.003
150	117A_Biased	1.256	1.260	-0.004
150	36B_biased	1.257	1.260	-0.003
150	37B_Biased	1.257	1.261	-0.004
150	39C_Biased	1.257	1.262	-0.005
150	118A_Unbiased	1.259	1.262	-0.003
150	140A_Unbiased	1.258	1.261	-0.003
150	38B_Unbiased	1.258	1.263	-0.004
150	39B_Unbiased	1.255	1.260	-0.005
150	40C_Unbiased	1.255	1.260	-0.004
	Max	1.259	1.263	-0.001
	Average	1.257	1.261	-0.004
	Min	1.255	1.259	-0.005
	Std Dev	0.001	0.001	0.001

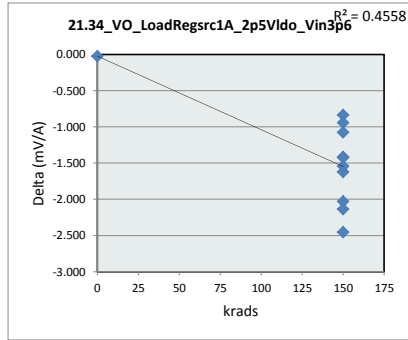


21.32_VO_srcload1A_2p5VIdo_Vin3p6		
krads	0	150
LL	1.220	1.220
Min	1.259	1.260
Average	1.259	1.261
Max	1.259	1.263
UL	1.290	1.290

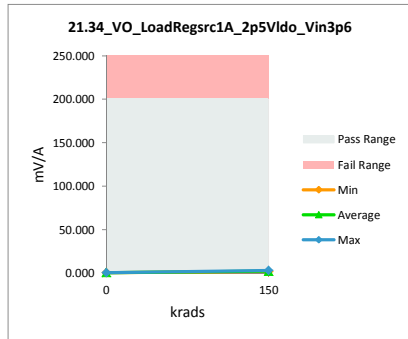


TID 150k HDR Rebound Report
TPS7H3301-SP

21.34_VO_LoadRegrsrc1A_2p5Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.623	0.645	-0.022
150	116A_Biased	0.463	1.888	-1.425
150	117A_Biased	1.080	1.917	-0.837
150	36B_biased	0.862	1.806	-0.944
150	37B_Biased	0.844	2.261	-1.417
150	39C_Biased	0.658	3.111	-2.453
150	118A_Unbiased	0.693	1.767	-1.074
150	140A_Unbiased	0.267	1.891	-1.624
150	38B_Unbiased	0.784	2.327	-1.543
150	39B_Unbiased	0.810	2.838	-2.028
150	40C_Unbiased	0.780	2.916	-2.136
	Max	1.080	3.111	-0.022
	Average	0.715	2.124	-1.409
	Min	0.267	0.645	-2.453
	Std Dev	0.216	0.688	0.682

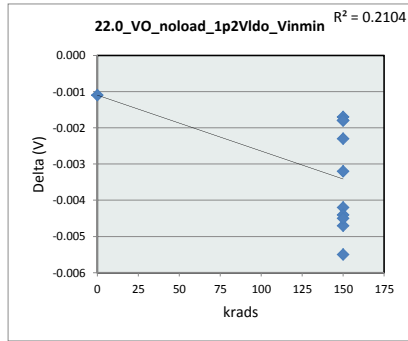


21.34_VO_LoadRegrsrc1A_2p5Vldo		
krads	0	150
LL	0.000	0.000
Min	0.645	1.767
Average	0.645	2.272
Max	0.645	3.111
UL	200.000	200.000

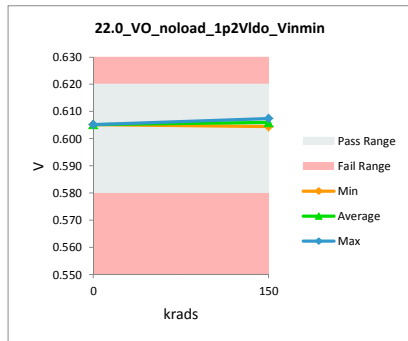


TID 150k HDR Rebound Report
TPS7H3301-SP

22.0_VO_noload_1p2Vldo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.58	0.58		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.604	0.605	-0.001
150	116A_Biased	0.604	0.606	-0.002
150	117A_Biased	0.601	0.605	-0.004
150	36B_biased	0.601	0.605	-0.004
150	37B_Biased	0.602	0.607	-0.005
150	39C_Biased	0.601	0.606	-0.006
150	118A_Unbiased	0.604	0.607	-0.003
150	140A_Unbiased	0.604	0.606	-0.002
150	38B_Unbiased	0.605	0.607	-0.002
150	39B_Unbiased	0.600	0.604	-0.004
150	40C_Unbiased	0.603	0.605	-0.002
Max		0.605	0.607	-0.001
Average		0.603	0.606	-0.003
Min		0.600	0.604	-0.006
Std Dev		0.002	0.001	0.002

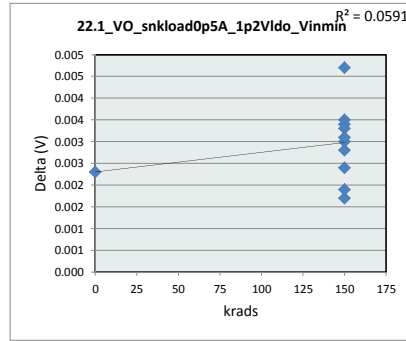


22.0_VO_noload_1p2Vldo_Vin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.62	V
Min Limit	0.58	V
krads	0	150
LL	0.580	0.580
Min	0.605	0.604
Average	0.605	0.606
Max	0.605	0.607
UL	0.620	0.620

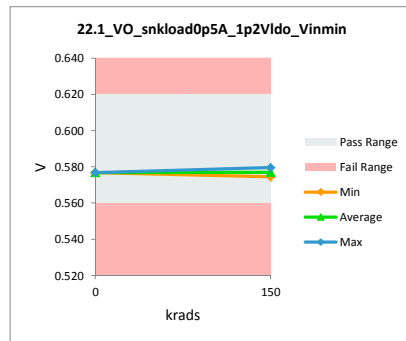


TID 150k HDR Rebound Report
TPS7H3301-SP

22.1_VO_snkload0p5A_1p2Vldo_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.579	0.577	0.002
150	116A_Biased	0.580	0.577	0.003
150	117A_Biased	0.579	0.576	0.003
150	36B_biased	0.581	0.577	0.003
150	37B_Biased	0.581	0.577	0.003
150	39C_Biased	0.580	0.577	0.002
150	118A_Unbiased	0.583	0.578	0.005
150	140A_Unbiased	0.580	0.577	0.003
150	38B_Unbiased	0.582	0.580	0.003
150	39B_Unbiased	0.576	0.574	0.002
150	40C_Unbiased	0.578	0.576	0.002
	Max	0.583	0.580	0.005
	Average	0.580	0.577	0.003
	Min	0.576	0.574	0.002
	Std Dev	0.002	0.001	0.001

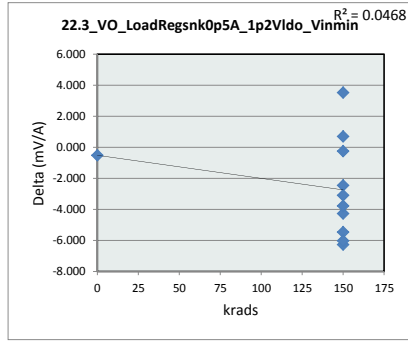


22.1_VO_snkload0p5A_1p2Vldo_Vinmin		
krads	0	150
LL	0.560	0.560
Min	0.577	0.574
Average	0.577	0.577
Max	0.577	0.580
UL	0.620	0.620

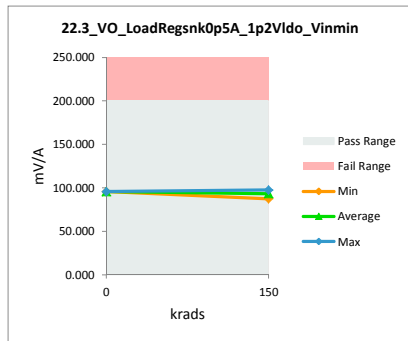


TID 150k HDR Rebound Report
TPS7H3301-SP

22.3_VO_LoadReqsnk0p5A_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	95.273	95.792	-0.519
150	116A_Biased	91.224	97.489	-6.265
150	117A_Biased	93.618	96.073	-2.455
150	36B_biased	87.981	93.456	-5.475
150	37B_Biased	89.563	93.828	-4.265
150	39C_Biased	90.685	90.949	-0.264
150	118A_Unbiased	87.552	93.584	-6.032
150	140A_Unbiased	91.179	94.967	-3.788
150	38B_Unbiased	86.349	89.446	-3.097
150	39B_Unbiased	97.306	96.606	0.700
150	40C_Unbiased	90.960	87.441	3.519
	Max	97.306	97.489	3.519
	Average	91.063	93.603	-2.540
	Min	86.349	87.441	-6.265
	Std Dev	3.312	3.150	3.099

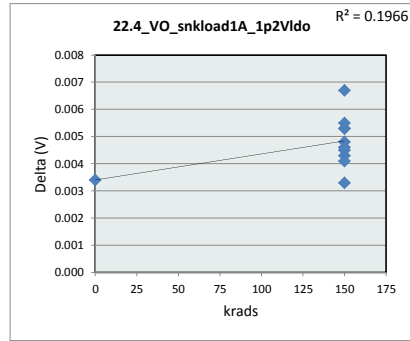


22.3_VO_LoadReqsnk0p5A_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	95.792	87.441
Average	95.792	93.384
Max	95.792	97.489
UL	200.000	200.000

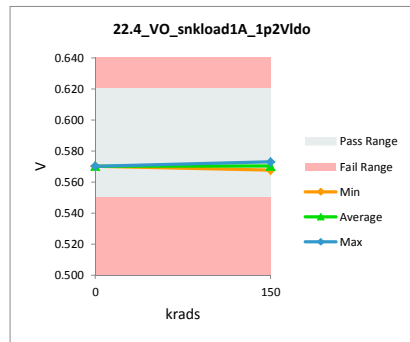


TID 150k HDR Rebound Report
TPS7H3301-SP

22.4_VO_snkload1A_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.55	0.55		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.574	0.570	0.003
150	116A_Biased	0.575	0.570	0.005
150	117A_Biased	0.574	0.569	0.005
150	36B_biased	0.576	0.570	0.006
150	37B_Biased	0.576	0.571	0.005
150	39C_Biased	0.575	0.571	0.004
150	118A_Unbiased	0.578	0.572	0.007
150	140A_Unbiased	0.575	0.571	0.004
150	38B_Unbiased	0.578	0.573	0.005
150	39B_Unbiased	0.571	0.568	0.003
150	40C_Unbiased	0.574	0.570	0.004
Max		0.578	0.573	0.007
Average		0.575	0.570	0.005
Min		0.571	0.568	0.003
Std Dev		0.002	0.001	0.001

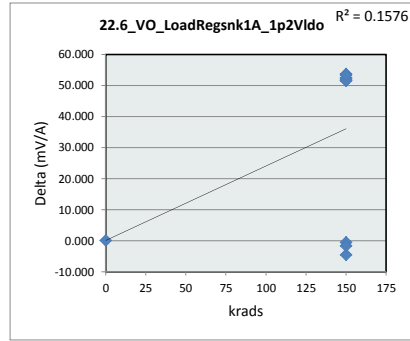


22.4_VO_snkload1A_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.62	V
Min Limit	0.55	V
krads	0	150
LL	0.550	0.550
Min	0.570	0.568
Average	0.570	0.570
Max	0.570	0.573
UL	0.620	0.620

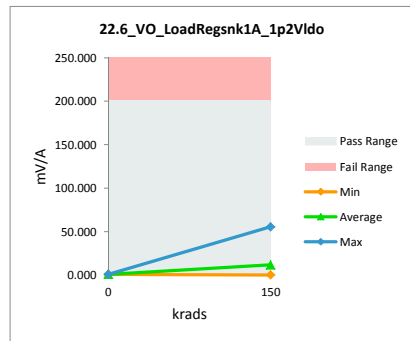


TID 150k HDR Rebound Report
TPS7H3301-SP

22.6_VO_LoadReqsnk1A_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.037	1.008	0.029
150	116A_Biased	53.929	2.078	51.851
150	117A_Biased	54.943	1.255	53.688
150	36B_biased	51.944	0.297	51.647
150	37B_Biased	52.974	0.594	52.380
150	39C_Biased	53.452	1.145	52.307
150	118A_Unbiased	51.765	0.226	51.539
150	140A_Unbiased	54.178	0.780	53.398
150	38B_Unbiased	50.968	55.503	-4.535
150	39B_Unbiased	1.067	1.596	-0.529
150	40C_Unbiased	53.506	55.219	-1.713
	Max	54.943	55.503	53.688
	Average	43.615	10.882	32.733
	Min	1.037	0.226	-4.535
	Std Dev	21.075	21.998	27.319

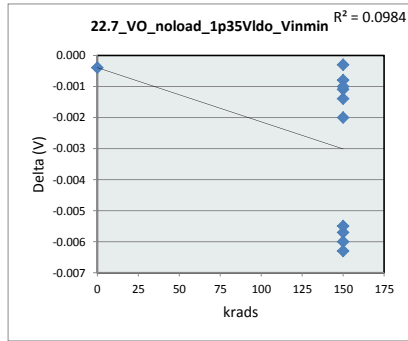


22.6_VO_LoadReqsnk1A_1p2Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	1.008	0.226
Average	1.008	11.869
Max	1.008	55.503
UL	200.000	200.000

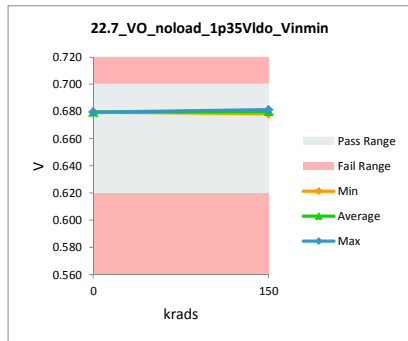


TID 150k HDR Rebound Report
TPS7H3301-SP

22.7_VO_noload_1p35Vldo_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.7	0.7	
Min Limit		0.62	0.62	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.679	0.680	0.000
150	116A_Biased	0.680	0.680	-0.001
150	117A_Biased	0.673	0.679	-0.006
150	36B_biased	0.674	0.680	-0.006
150	37B_Biased	0.679	0.681	-0.002
150	39C_Biased	0.678	0.680	-0.001
150	118A_Unbiased	0.681	0.681	0.000
150	140A_Unbiased	0.679	0.681	-0.001
150	38B_Unbiased	0.675	0.681	-0.006
150	39B_Unbiased	0.677	0.678	-0.001
150	40C_Unbiased	0.674	0.679	-0.005
	Max	0.681	0.681	0.000
	Average	0.677	0.680	-0.003
	Min	0.673	0.678	-0.006
	Std Dev	0.003	0.001	0.003

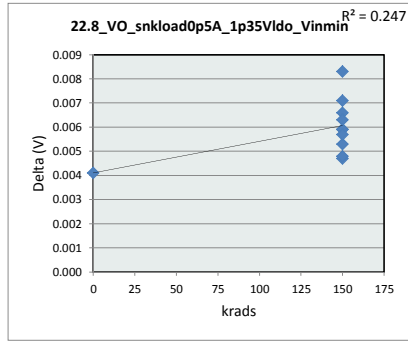


22.7_VO_noload_1p35Vldo_Vi		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.7	V
Min Limit	0.62	V
krads	0	150
LL	0.620	0.620
Min	0.680	0.678
Average	0.680	0.680
Max	0.680	0.681
UL	0.700	0.700

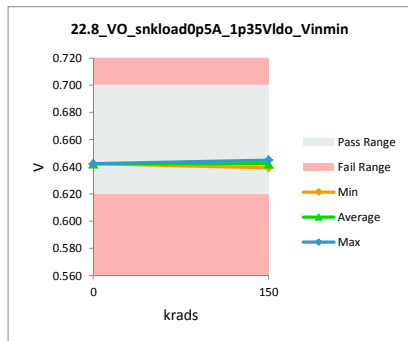


TID 150k HDR Rebound Report
TPS7H3301-SP

22.8_VO_snkloadOp5A_1p35Vldo_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.7	0.7	
Min Limit		0.62	0.62	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.646	0.642	0.004
150	116A_Biased	0.649	0.642	0.007
150	117A_Biased	0.646	0.641	0.006
150	36B_biased	0.649	0.642	0.007
150	37B_Biased	0.649	0.643	0.006
150	39C_Biased	0.648	0.643	0.005
150	118A_Unbiased	0.652	0.644	0.008
150	140A_Unbiased	0.649	0.643	0.006
150	38B_Unbiased	0.651	0.645	0.006
150	39B_Unbiased	0.644	0.639	0.005
150	40C_Unbiased	0.646	0.641	0.005
Max		0.652	0.645	0.008
Average		0.648	0.642	0.006
Min		0.644	0.639	0.004
Std Dev		0.002	0.001	0.001

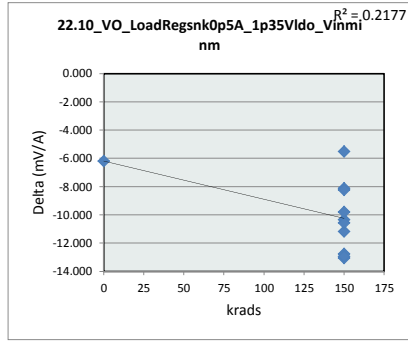


22.8_VO_snkloadOp5A_1p35V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.7	V
Min Limit	0.62	V
krads	0	150
LL	0.620	0.620
Min	0.642	0.639
Average	0.642	0.642
Max	0.642	0.645
UL	0.700	0.700

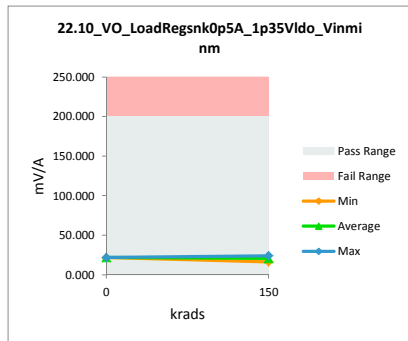


TID 150k HDR Rebound Report
TPS7H3301-SP

22.10_VO_LoadReqsnkOp5A_1p35V				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	15.697	21.898	-6.201
150	116A_Biased	10.949	23.993	-13.044
150	117A_Biased	12.994	23.323	-10.329
150	36B_biased	7.363	20.134	-12.771
150	37B_Biased	9.689	20.863	-11.174
150	39C_Biased	9.892	18.020	-8.128
150	118A_Unbiased	8.967	21.901	-12.934
150	140A_Unbiased	11.950	21.732	-9.782
150	38B_Unbiased	6.264	16.819	-10.555
150	39B_Unbiased	15.680	23.906	-8.226
150	40C_Unbiased	10.945	16.469	-5.524
	Max	15.697	23.993	-5.524
	Average	10.945	20.823	-9.879
	Min	6.264	16.469	-13.044
	Std Dev	3.026	2.688	2.614

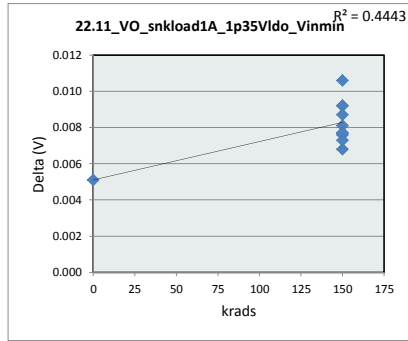


22.10_VO_LoadReqsnkOp5A_1		
krads	0	150
LL	0.000	0.000
Min	21.898	16.469
Average	21.898	20.716
Max	21.898	23.993
UL	200.000	200.000

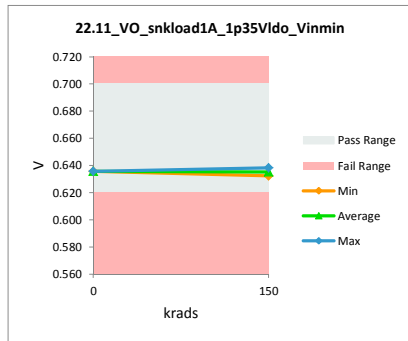


TID 150k HDR Rebound Report
TPS7H3301-SP

22.11_VO_snkload1A_1p35Vldo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.641	0.636	0.005
150	116A_Biased	0.644	0.635	0.009
150	117A_Biased	0.642	0.634	0.008
150	36B_biased	0.645	0.635	0.009
150	37B_Biased	0.644	0.636	0.009
150	39C_Biased	0.643	0.636	0.008
150	118A_Unbiased	0.647	0.637	0.011
150	140A_Unbiased	0.643	0.636	0.008
150	38B_Unbiased	0.646	0.638	0.008
150	39B_Unbiased	0.639	0.632	0.007
150	40C_Unbiased	0.641	0.634	0.007
Max		0.647	0.638	0.011
Average		0.643	0.635	0.008
Min		0.639	0.632	0.005
Std Dev		0.002	0.002	0.001

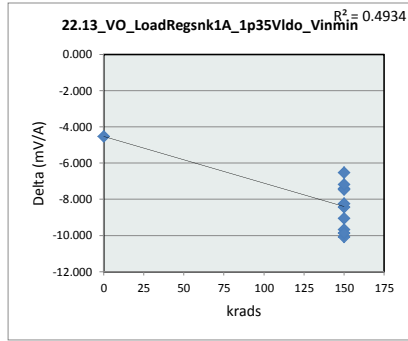


22.11_VO_snkload1A_1p35Vldo_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.7	V
Min Limit	0.62	V
krads	0	150
LL	0.620	0.620
Min	0.636	0.632
Average	0.636	0.635
Max	0.636	0.638
UL	0.700	0.700

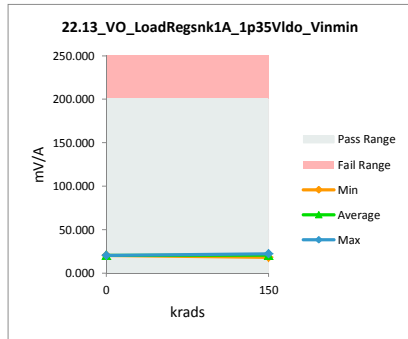


TID 150k HDR Rebound Report
TPS7H3301-SP

22.13_VO_LoadReqsnk1A_1p35Vld				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	15.944	20.482	-4.538
150	116A_Biased	12.523	22.202	-9.679
150	117A_Biased	13.451	21.878	-8.427
150	36B_biased	10.465	20.535	-10.070
150	37B_Biased	11.809	20.861	-9.052
150	39C_Biased	11.858	19.266	-7.408
150	118A_Unbiased	11.181	21.054	-9.873
150	140A_Unbiased	13.401	20.860	-7.459
150	38B_Unbiased	9.897	18.139	-8.242
150	39B_Unbiased	15.152	22.336	-7.184
150	40C_Unbiased	12.650	19.185	-6.535
	Max	15.944	22.336	-4.538
	Average	12.576	20.618	-8.042
	Min	9.897	18.139	-10.070
	Std Dev	1.847	1.319	1.655

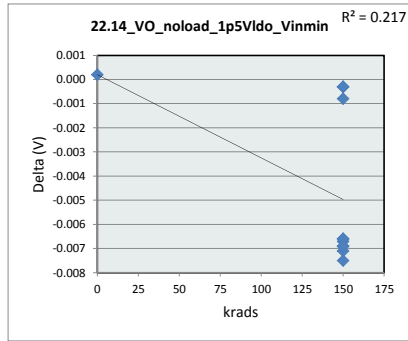


22.13_VO_LoadReqsnk1A_1p35Vldo_Vinmin		
krads	0	150
LL	0.000	0.000
Min	20.482	18.139
Average	20.482	20.632
Max	20.482	22.336
UL	200.000	200.000

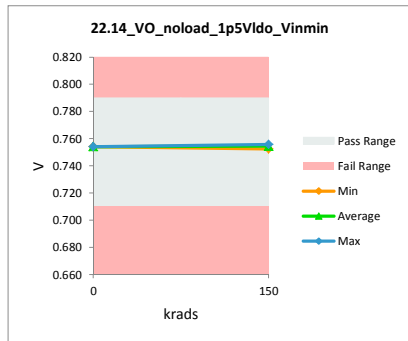


TID 150k HDR Rebound Report
TPS7H3301-SP

22.14_VO_noload_1p5Vldo_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.754	0.754	0.000
150	116A_Biased	0.755	0.755	0.000
150	117A_Biased	0.747	0.753	-0.007
150	36B_biased	0.747	0.754	-0.007
150	37B_Biased	0.748	0.755	-0.007
150	39C_Biased	0.754	0.754	-0.001
150	118A_Unbiased	0.749	0.756	-0.007
150	140A_Unbiased	0.749	0.755	-0.007
150	38B_Unbiased	0.749	0.756	-0.007
150	39B_Unbiased	0.752	0.752	0.000
150	40C_Unbiased	0.746	0.753	-0.007
	Max	0.755	0.756	0.000
	Average	0.750	0.754	-0.005
	Min	0.746	0.752	-0.007
	Std Dev	0.003	0.001	0.003

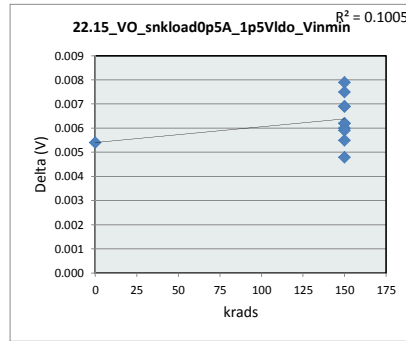


22.14_VO_noload_1p5Vldo_Vi		
krads	0	150
LL	0.710	0.710
Min	0.754	0.753
Average	0.754	0.755
Max	0.754	0.756
UL	0.790	0.790

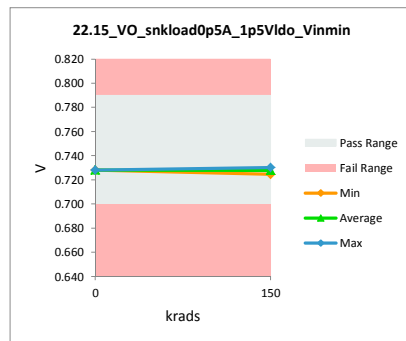


TID 150k HDR Rebound Report
TPS7H3301-SP

22.15_VO_snkload0p5A_1p5Vldo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.7	0.7		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.734	0.728	0.005
150	116A_Biased	0.735	0.728	0.007
150	117A_Biased	0.732	0.726	0.006
150	36B_biased	0.735	0.728	0.007
150	37B_Biased	0.735	0.728	0.007
150	39C_Biased	0.734	0.728	0.006
150	118A_Unbiased	0.738	0.730	0.008
150	140A_Unbiased	0.735	0.729	0.006
150	38B_Unbiased	0.736	0.730	0.006
150	39B_Unbiased	0.730	0.725	0.005
150	40C_Unbiased	0.732	0.727	0.005
	Max	0.738	0.730	0.008
	Average	0.734	0.728	0.006
	Min	0.730	0.725	0.005
	Std Dev	0.002	0.002	0.001

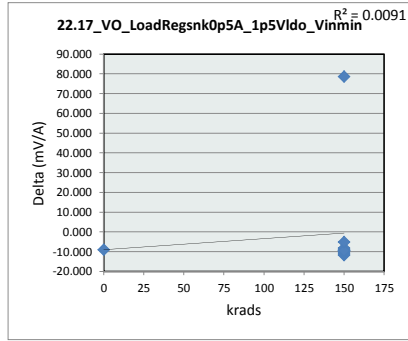


22.15_VO_snkload0p5A_1p5V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.79	V
Min Limit	0.7	V
krads	0	150
LL	0.700	0.700
Min	0.728	0.725
Average	0.728	0.728
Max	0.728	0.730
UL	0.790	0.790

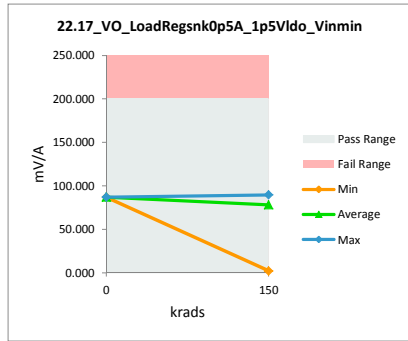


TID 150k HDR Rebound Report
TPS7H3301-SP

22.17_VO_LoadReqsnpOp5A_1p5Vl				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	78.173	87.142	-8.969
150	116A_Biased	77.541	89.316	-11.775
150	117A_Biased	80.014	89.552	-9.538
150	36B_biased	74.916	86.000	-11.084
150	37B_Biased	77.599	87.737	-10.138
150	39C_Biased	77.094	86.090	-8.996
150	118A_Unbiased	77.297	86.976	-9.679
150	140A_Unbiased	79.000	87.249	-8.249
150	38B_Unbiased	74.685	84.177	-9.492
150	39B_Unbiased	80.888	2.302	78.586
150	40C_Unbiased	78.516	83.689	-5.173
	Max	80.888	89.552	78.586
	Average	77.793	79.112	-1.319
	Min	74.685	2.302	-11.775
	Std Dev	1.882	25.539	26.555

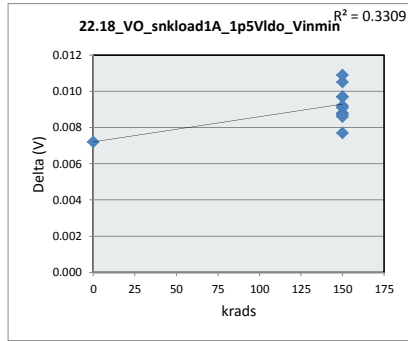


22.17_VO_LoadReqsnpOp5A_1		
krads	0	150
LL	0.000	0.000
Min	87.142	2.302
Average	87.142	78.309
Max	87.142	89.552
UL	200.000	200.000

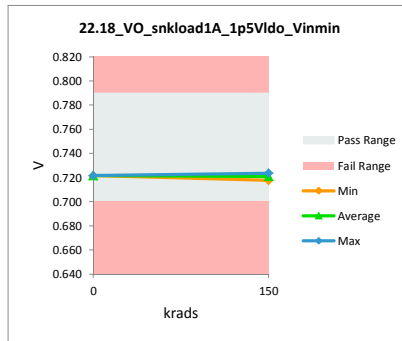


TID 150k HDR Rebound Report
TPS7H3301-SP

22.18_VO_snkload1A_1p5Vldo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.7	0.7		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.729	0.722	0.007
150	116A_Biased	0.731	0.721	0.011
150	117A_Biased	0.729	0.719	0.009
150	36B_biased	0.731	0.721	0.010
150	37B_Biased	0.731	0.721	0.010
150	39C_Biased	0.730	0.720	0.009
150	118A_Unbiased	0.734	0.723	0.011
150	140A_Unbiased	0.731	0.722	0.009
150	38B_Unbiased	0.732	0.724	0.009
150	39B_Unbiased	0.726	0.718	0.009
150	40C_Unbiased	0.728	0.720	0.008
Max		0.734	0.724	0.011
Average		0.730	0.721	0.009
Min		0.726	0.718	0.007
Std Dev		0.002	0.002	0.001

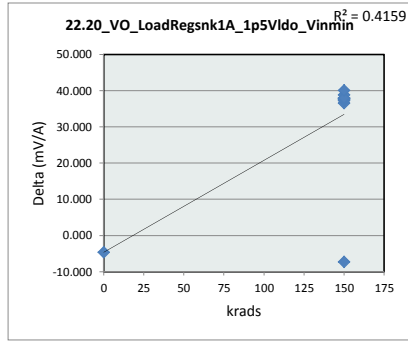


22.18_VO_snkload1A_1p5Vldo_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.79	V
Min Limit	0.7	V
krads	0	150
LL	0.700	0.700
Min	0.722	0.718
Average	0.722	0.721
Max	0.722	0.724
UL	0.790	0.790

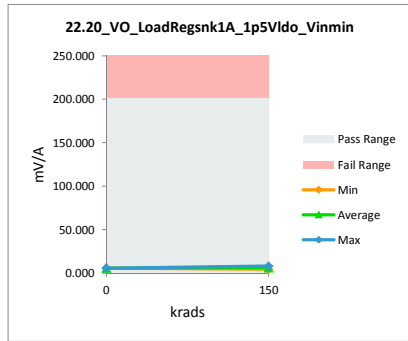


TID 150k HDR Rebound Report
TPS7H3301-SP

22.20_VO_LoadReqsnk1A_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.086	5.751	-4.665
150	116A_Biased	43.951	7.445	36.506
150	117A_Biased	45.083	7.270	37.813
150	36B_biased	42.583	5.358	37.225
150	37B_Biased	44.059	6.571	37.488
150	39C_Biased	43.875	5.965	37.910
150	118A_Unbiased	43.649	5.955	37.694
150	140A_Unbiased	45.136	6.303	38.833
150	38B_Unbiased	42.460	4.536	37.924
150	39B_Unbiased	0.843	8.157	-7.314
150	40C_Unbiased	44.459	4.394	40.065
	Max	45.136	8.157	40.065
	Average	36.108	6.155	29.953
	Min	0.843	4.394	-7.314
	Std Dev	17.396	1.171	17.803

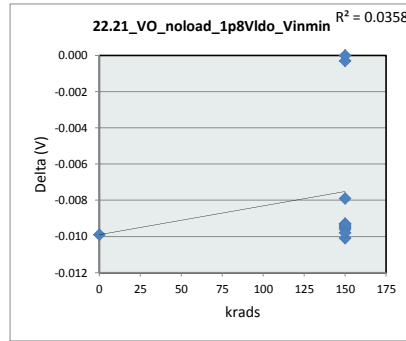


22.20_VO_LoadReqsnk1A_1p5Vldo_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	5.751	4.394
Average	5.751	6.195
Max	5.751	8.157
UL	200.000	200.000

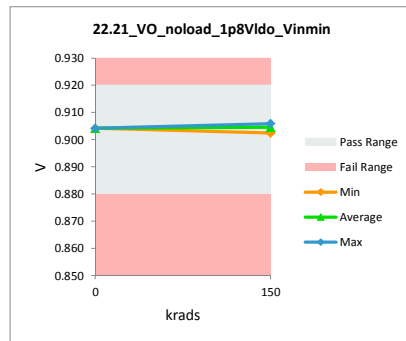


TID 150k HDR Rebound Report
TPS7H3301-SP

22.21_VO_noload_1p8Vldo_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.894	0.904	-0.010
150	116A_Biased	0.905	0.905	0.000
150	117A_Biased	0.894	0.904	-0.009
150	36B_biased	0.895	0.904	-0.009
150	37B_Biased	0.896	0.905	-0.010
150	39C_Biased	0.895	0.904	-0.009
150	118A_Unbiased	0.898	0.906	-0.008
150	140A_Unbiased	0.895	0.905	-0.010
150	38B_Unbiased	0.896	0.906	-0.009
150	39B_Unbiased	0.902	0.902	0.000
150	40C_Unbiased	0.894	0.904	-0.010
	Max	0.905	0.906	0.000
	Average	0.897	0.904	-0.008
	Min	0.894	0.902	-0.010
	Std Dev	0.004	0.001	0.004

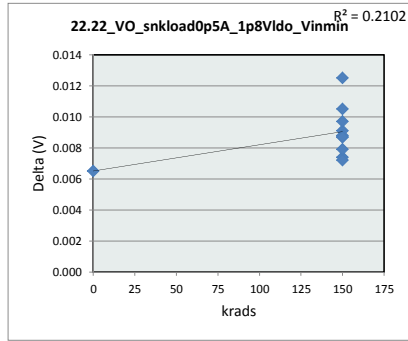


22.21_VO_noload_1p8Vldo_Vi		
krads	0	150
LL	0.880	0.880
Min	0.904	0.902
Average	0.904	0.905
Max	0.904	0.906
UL	0.920	0.920

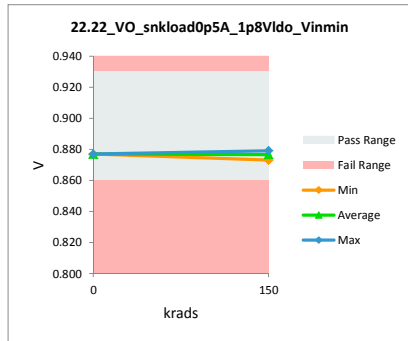


TID 150k HDR Rebound Report
TPS7H3301-SP

22.22_VO_snkload0p5A_1p8Vldo_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.883	0.877	0.007
150	116A_Biased	0.889	0.877	0.012
150	117A_Biased	0.884	0.875	0.009
150	36B_biased	0.886	0.877	0.009
150	37B_Biased	0.885	0.877	0.009
150	39C_Biased	0.885	0.876	0.009
150	118A_Unbiased	0.889	0.879	0.010
150	140A_Unbiased	0.886	0.878	0.007
150	38B_Unbiased	0.887	0.879	0.008
150	39B_Unbiased	0.883	0.873	0.010
150	40C_Unbiased	0.883	0.875	0.007
	Max	0.889	0.879	0.012
	Average	0.885	0.877	0.009
	Min	0.883	0.873	0.007
	Std Dev	0.002	0.002	0.002

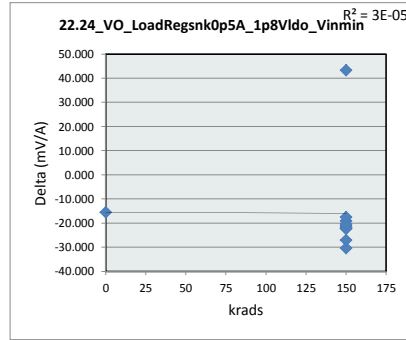


22.22_VO_snkload0p5A_1p8V		
krads	0	150
LL	0.860	0.860
Min	0.877	0.873
Average	0.877	0.877
Max	0.877	0.879
UL	0.930	0.930

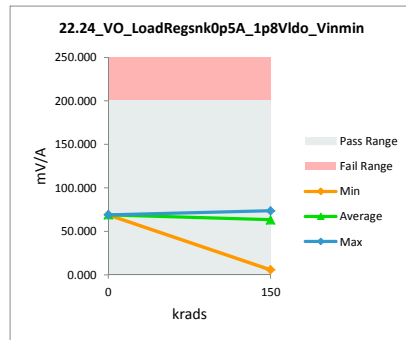


TID 150k HDR Rebound Report
TPS7H3301-SP

22.24_VO_LoadReqsnkOp5A_1p8Vldo_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	53.577	69.060	-15.483
150	116A_Biased	39.876	70.254	-30.378
150	117A_Biased	50.576	72.791	-22.215
150	36B_biased	47.178	68.414	-21.236
150	37B_Biased	49.073	5.701	43.372
150	39C_Biased	48.055	69.938	-21.883
150	118A_Unbiased	45.387	67.715	-22.328
150	140A_Unbiased	48.276	67.413	-19.137
150	38B_Unbiased	47.354	67.746	-20.392
150	39B_Unbiased	46.580	73.664	-27.084
150	40C_Unbiased	51.198	68.663	-17.465
	Max	53.577	73.664	43.372
	Average	47.921	63.760	-15.839
	Min	39.876	5.701	-30.378
	Std Dev	3.536	19.364	20.066

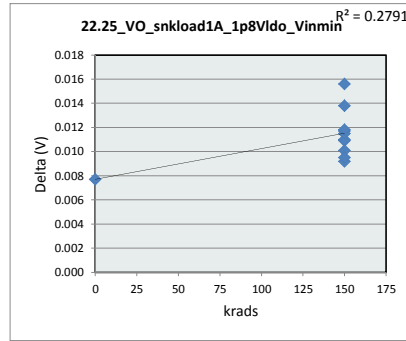


22.24_VO_LoadReqsnkOp5A_1p8Vldo_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	69.060	5.701
Average	69.060	63.230
Max	69.060	73.664
UL	200.000	200.000

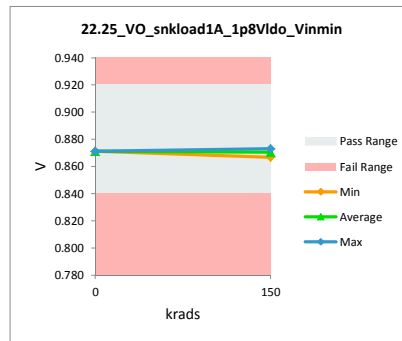


TID 150k HDR Rebound Report
TPS7H3301-SP

22.25_VO_snkload1A_1p8Vldo_Vin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.92	0.92	
Min Limit		0.84	0.84	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.879	0.871	0.008
150	116A_Biased	0.886	0.871	0.016
150	117A_Biased	0.880	0.868	0.012
150	36B_biased	0.882	0.871	0.011
150	37B_Biased	0.882	0.871	0.011
150	39C_Biased	0.881	0.870	0.012
150	118A_Unbiased	0.885	0.873	0.012
150	140A_Unbiased	0.881	0.872	0.009
150	38B_Unbiased	0.883	0.873	0.010
150	39B_Unbiased	0.881	0.867	0.014
150	40C_Unbiased	0.879	0.869	0.009
	Max	0.886	0.873	0.016
	Average	0.882	0.871	0.011
	Min	0.879	0.867	0.008
	Std Dev	0.002	0.002	0.002

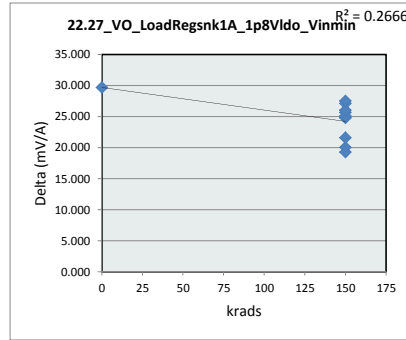


22.25_VO_snkload1A_1p8Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.92	V
Min Limit	0.84	V
krads	0	150
LL	0.840	0.840
Min	0.871	0.867
Average	0.871	0.870
Max	0.871	0.873
UL	0.920	0.920

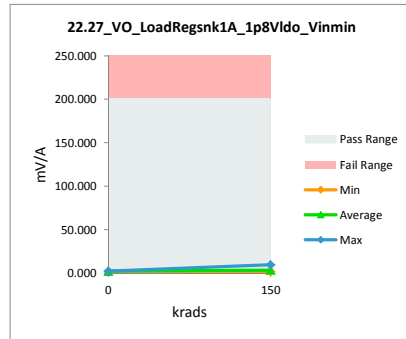


TID 150k HDR Rebound Report
TPS7H3301-SP

22.27_VO_LoadReqsnk1A_1p8Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	31.885	2.220	29.665
150	116A_Biased	23.221	3.207	20.014
150	117A_Biased	29.240	4.375	24.865
150	36B_biased	27.696	2.069	25.627
150	37B_Biased	28.898	9.622	19.276
150	39C_Biased	28.028	3.232	24.796
150	118A_Unbiased	26.865	1.783	25.082
150	140A_Unbiased	28.877	1.772	27.105
150	38B_Unbiased	27.848	1.830	26.018
150	39B_Unbiased	26.558	4.958	21.600
150	40C_Unbiased	29.874	2.347	27.527
	Max	31.885	9.622	29.665
	Average	28.090	3.401	24.689
	Min	23.221	1.772	19.276
	Std Dev	2.190	2.327	3.197

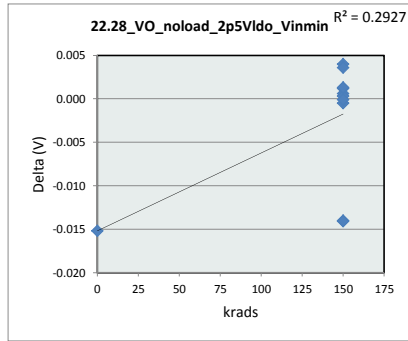


22.27_VO_LoadReqsnk1A_1p8Vldo_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
	krads	
	0	150
LL	0.000	0.000
Min	2.220	1.772
Average	2.220	3.520
Max	2.220	9.622
UL	200.000	200.000

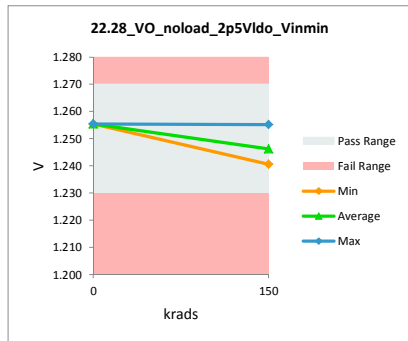


TID 150k HDR Rebound Report
TPS7H3301-SP

22.28_VO_noload_2p5Vldo_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.27	1.27	
Min Limit		1.23	1.23	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.240	1.255	-0.015
150	116A_Biased	1.245	1.241	0.004
150	117A_Biased	1.240	1.255	-0.014
150	36B_biased	1.241	1.255	-0.014
150	37B_Biased	1.242	1.241	0.001
150	39C_Biased	1.241	1.241	0.001
150	118A_Unbiased	1.245	1.241	0.004
150	140A_Unbiased	1.241	1.241	0.000
150	38B_Unbiased	1.243	1.241	0.001
150	39B_Unbiased	1.253	1.253	0.000
150	40C_Unbiased	1.254	1.254	0.000
	Max	1.254	1.255	0.004
	Average	1.244	1.247	-0.003
	Min	1.240	1.241	-0.015
	Std Dev	0.005	0.007	0.007

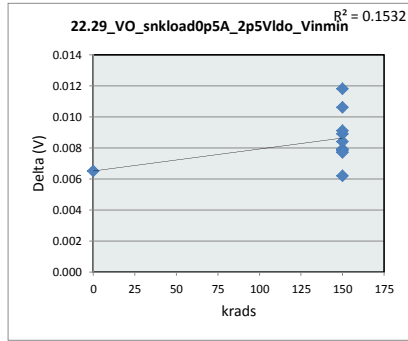


22.28_VO_noload_2p5Vldo_Vi		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.27	V
Min Limit	1.23	V
krads	0	150
LL	1.230	1.230
Min	1.255	1.241
Average	1.255	1.246
Max	1.255	1.255
UL	1.270	1.270

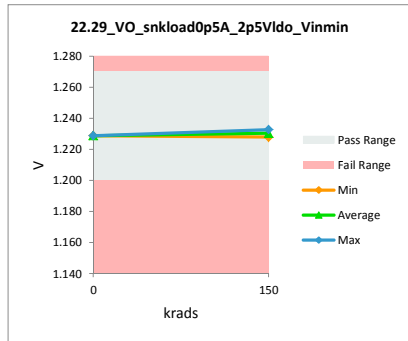


TID 150k HDR Rebound Report
TPS7H3301-SP

22.29_VO_snkload0p5A_2p5Vldo_V				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.235	1.229	0.007
150	116A_Biased	1.244	1.232	0.012
150	117A_Biased	1.237	1.228	0.009
150	36B_biased	1.238	1.229	0.009
150	37B_Biased	1.239	1.231	0.008
150	39C_Biased	1.238	1.230	0.008
150	118A_Unbiased	1.243	1.233	0.011
150	140A_Unbiased	1.239	1.232	0.006
150	38B_Unbiased	1.240	1.232	0.008
150	39B_Unbiased	1.236	1.228	0.008
150	40C_Unbiased	1.235	1.228	0.008
	Max	1.244	1.233	0.012
	Average	1.239	1.230	0.008
	Min	1.235	1.228	0.006
	Std Dev	0.003	0.002	0.002

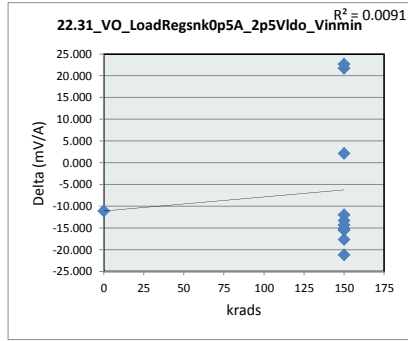


22.29_VO_snkload0p5A_2p5V		
krads	0	150
LL	1.200	1.200
Min	1.229	1.228
Average	1.229	1.230
Max	1.229	1.233
UL	1.270	1.270

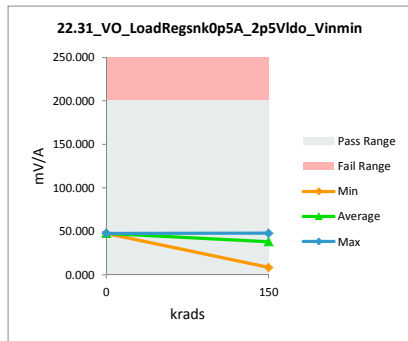


TID 150k HDR Rebound Report
TPS7H3301-SP

22.31_VO_LoadReqsnkOp5A_2p5Vldo_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	36.611	47.747	-11.136
150	116A_Biased	22.067	43.270	-21.203
150	117A_Biased	32.703	47.928	-15.225
150	36B_biased	30.883	46.403	-15.520
150	37B_Biased	31.322	9.574	21.748
150	39C_Biased	31.216	45.548	-14.332
150	118A_Unbiased	26.753	44.380	-17.627
150	140A_Unbiased	30.943	42.904	-11.961
150	38B_Unbiased	31.133	8.456	22.677
150	39B_Unbiased	48.141	45.987	2.154
150	40C_Unbiased	33.239	46.526	-13.287
	Max	48.141	47.928	22.677
	Average	32.274	38.975	-6.701
	Min	22.067	8.456	-21.203
	Std Dev	6.430	14.902	15.427

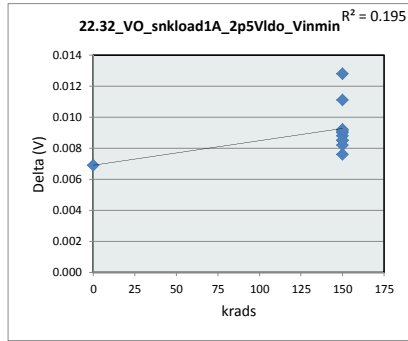


22.31_VO_LoadReqsnkOp5A_2		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	47.747	8.456
Average	47.747	38.098
Max	47.747	47.928
UL	200.000	200.000

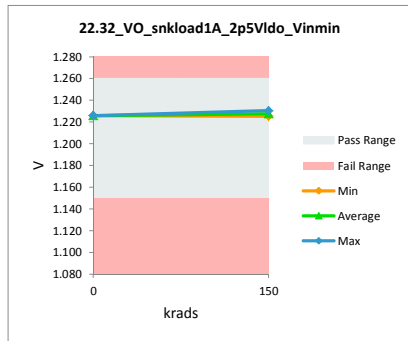


TID 150k HDR Rebound Report
TPS7H3301-SP

22.32_VO_snkload1A_2p5Vldo_Vin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		1.26	1.26	
Min Limit		1.15	1.15	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.233	1.226	0.007
150	116A_Biased	1.243	1.230	0.013
150	117A_Biased	1.235	1.226	0.009
150	36B_biased	1.236	1.227	0.009
150	37B_Biased	1.237	1.228	0.009
150	39C_Biased	1.236	1.227	0.008
150	118A_Unbiased	1.242	1.230	0.011
150	140A_Unbiased	1.237	1.229	0.008
150	38B_Unbiased	1.237	1.229	0.008
150	39B_Unbiased	1.235	1.225	0.009
150	40C_Unbiased	1.233	1.226	0.008
	Max	1.243	1.230	0.013
	Average	1.237	1.228	0.009
	Min	1.233	1.225	0.007
	Std Dev	0.003	0.002	0.002

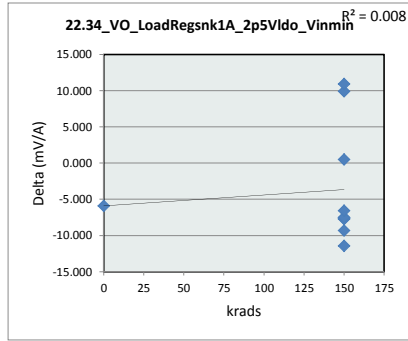


22.32_VO_snkload1A_2p5Vldo_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.26	V
Min Limit	1.15	V
krads	0	150
LL	1.150	1.150
Min	1.226	1.225
Average	1.226	1.228
Max	1.226	1.230
UL	1.260	1.260

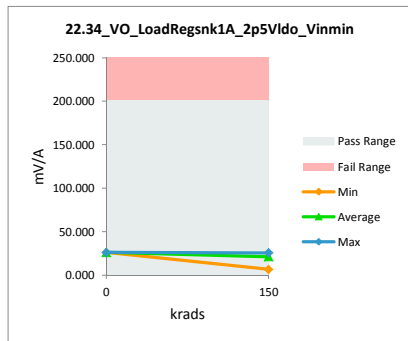


TID 150k HDR Rebound Report
TPS7H3301-SP

22.34_VO_LoadReqsnk1A_2p5Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	20.203	26.106	-5.903
150	116A_Biased	12.141	23.565	-11.424
150	117A_Biased	18.110	25.649	-7.539
150	36B_biased	17.258	24.971	-7.713
150	37B_Biased	17.034	7.118	9.916
150	39C_Biased	17.458	25.151	-7.693
150	118A_Unbiased	14.714	24.032	-9.318
150	140A_Unbiased	16.631	24.128	-7.497
150	38B_Unbiased	17.558	6.633	10.925
150	39B_Unbiased	25.550	25.037	0.513
150	40C_Unbiased	18.349	24.933	-6.584
	Max	25.550	26.106	10.925
	Average	17.728	21.575	-3.847
	Min	12.141	6.633	-11.424
	Std Dev	3.319	7.304	7.631



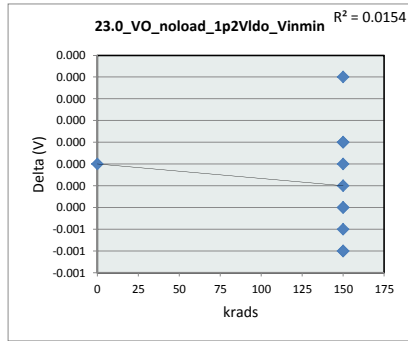
22.34_VO_LoadReqsnk1A_2p5Vldo		
krads	0	150
LL	0.000	0.000
Min	26.106	6.633
Average	26.106	21.122
Max	26.106	25.649
UL	200.000	200.000



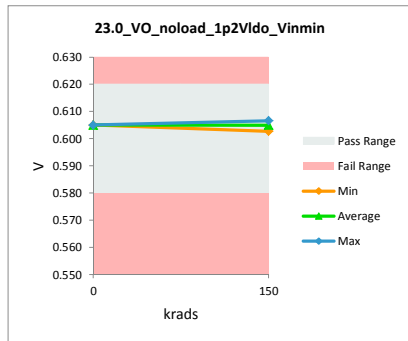
TID 150k HDR Rebound Report

TPS7H3301-SP

23.0_VO_noload_1p2Vldo_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.62	0.62	
Min Limit		0.58	0.58	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.605	0.605	0.000
150	116A_Biased	0.605	0.605	0.000
150	117A_Biased	0.604	0.604	0.000
150	36B_biased	0.604	0.605	0.000
150	37B_Biased	0.605	0.606	-0.001
150	39C_Biased	0.604	0.605	0.000
150	118A_Unbiased	0.607	0.607	0.000
150	140A_Unbiased	0.605	0.605	0.000
150	38B_Unbiased	0.606	0.606	0.000
150	39B_Unbiased	0.602	0.603	-0.001
150	40C_Unbiased	0.604	0.604	0.000
Max		0.607	0.607	0.000
Average		0.605	0.605	0.000
Min		0.602	0.603	-0.001
Std Dev		0.001	0.001	0.000

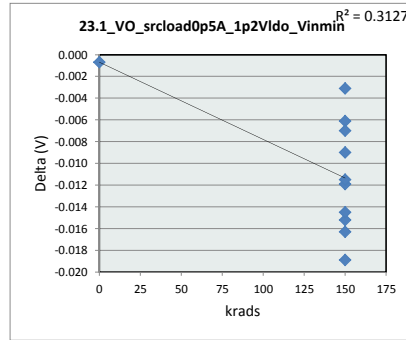


23.0_VO_noload_1p2Vldo_Vin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.62	V
Min Limit	0.58	V
krads	0	150
LL	0.580	0.580
Min	0.605	0.603
Average	0.605	0.605
Max	0.605	0.607
UL	0.620	0.620

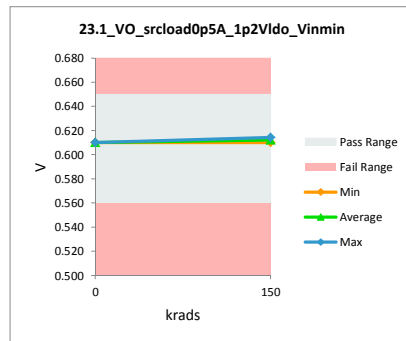


TID 150k HDR Rebound Report
TPS7H3301-SP

23.1_VO_srcloadOp5A_1p2Vldo_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.65	0.65	
Min Limit		0.56	0.56	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.609	0.610	-0.001
150	116A_Biased	0.597	0.612	-0.015
150	117A_Biased	0.591	0.610	-0.019
150	36B_biased	0.602	0.611	-0.009
150	37B_Biased	0.608	0.614	-0.006
150	39C_Biased	0.602	0.614	-0.012
150	118A_Unbiased	0.596	0.612	-0.016
150	140A_Unbiased	0.609	0.612	-0.003
150	38B_Unbiased	0.602	0.614	-0.012
150	39B_Unbiased	0.604	0.611	-0.007
150	40C_Unbiased	0.597	0.611	-0.014
Max		0.609	0.614	-0.001
Average		0.602	0.612	-0.010
Min		0.591	0.610	-0.019
Std Dev		0.006	0.002	0.006

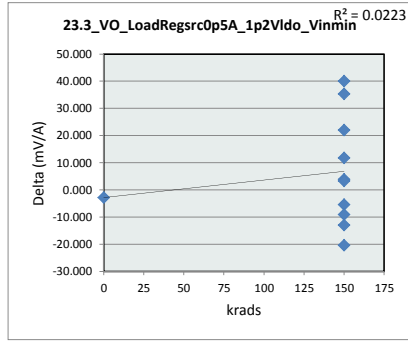


23.1_VO_srcloadOp5A_1p2Vldo_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.65	V
Min Limit	0.56	V
krads	0	150
LL	0.560	0.560
Min	0.610	0.610
Average	0.610	0.612
Max	0.610	0.614
UL	0.650	0.650

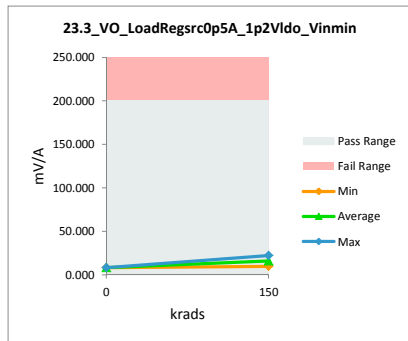


TID 150k HDR Rebound Report
TPS7H3301-SP

23.3_VO_LoadRegrsrcOp5A_1p2Vldo				
Test Site	Dallas, Tx		Dallas, Tx	
Tester	ETS		ETS	
Test Number	EF636800		EF636800	
Unit	mV/A		mV/A	
Max Limit	200		200	
Min Limit	0		0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.573	8.376	-2.803
150	116A_Biased	35.246	13.210	22.036
150	117A_Biased	51.206	11.103	40.103
150	36B_biased	16.632	12.750	3.882
150	37B_Biased	1.969	22.348	-20.379
150	39C_Biased	16.872	22.289	-5.417
150	118A_Unbiased	45.058	9.694	35.364
150	140A_Unbiased	5.296	14.341	-9.045
150	38B_Unbiased	20.449	17.175	3.274
150	39B_Unbiased	4.245	17.182	-12.937
150	40C_Unbiased	30.936	19.155	11.781
	Max	51.206	22.348	40.103
	Average	21.226	15.238	5.987
	Min	1.969	8.376	-20.379
	Std Dev	17.194	4.787	19.536

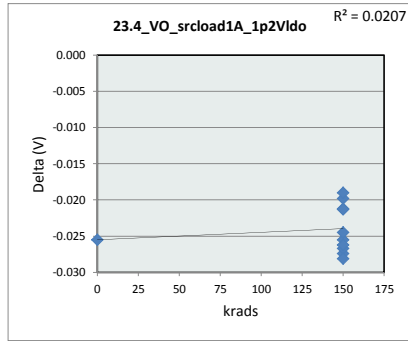


23.3_VO_LoadRegrsrcOp5A_1p2Vldo_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	8.376	9.694
Average	8.376	15.925
Max	8.376	22.348
UL	200.000	200.000

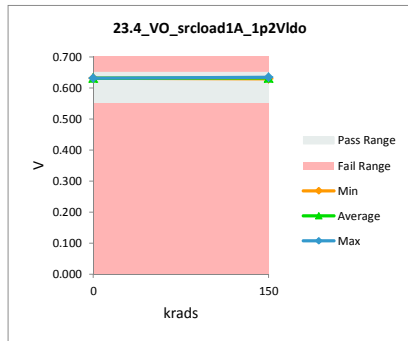


TID 150k HDR Rebound Report
TPS7H3301-SP

23.4_VO_srcload1A_1p2Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.606	0.631	-0.025
150	116A_Biased	0.606	0.633	-0.027
150	117A_Biased	0.604	0.631	-0.027
150	36B_biased	0.612	0.632	-0.020
150	37B_Biased	0.606	0.631	-0.025
150	39C_Biased	0.605	0.629	-0.025
150	118A_Unbiased	0.614	0.633	-0.019
150	140A_Unbiased	0.606	0.634	-0.028
150	38B_Unbiased	0.613	0.635	-0.021
150	39B_Unbiased	0.603	0.629	-0.026
150	40C_Unbiased	0.611	0.632	-0.021
	Max	0.614	0.635	-0.019
	Average	0.608	0.632	-0.024
	Min	0.603	0.629	-0.028
	Std Dev	0.004	0.002	0.003

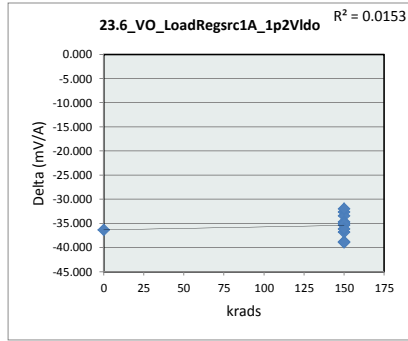


23.4_VO_srcload1A_1p2Vldo		
krads	0	150
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.65	V
Min Limit	0.55	V
LL	0.550	0.550
Min	0.631	0.629
Average	0.631	0.632
Max	0.631	0.635
UL	0.650	0.650

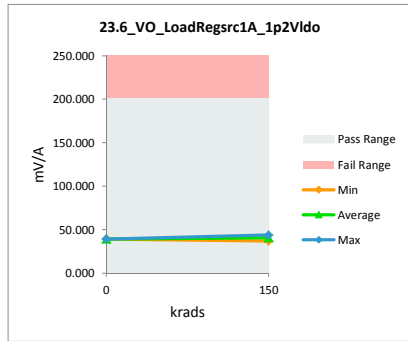


TID 150k HDR Rebound Report
TPS7H3301-SP

23.6_VO_LoadRegrsrc1A_1p2VIdo				
Test Site	Dallas, Tx		Dallas, Tx	
Tester	ETS		ETS	
Test Number	EF636800		EF636800	
Unit	mV/A		mV/A	
Max Limit	200		200	
Min Limit	0		0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	2.966	39.279	-36.313
150	116A_Biased	2.878	41.694	-38.816
150	117A_Biased	3.582	40.401	-36.819
150	36B_biased	8.326	40.926	-32.600
150	37B_Biased	3.496	38.872	-35.376
150	39C_Biased	3.472	36.926	-33.454
150	118A_Unbiased	7.887	39.825	-31.938
150	140A_Unbiased	3.440	42.368	-38.928
150	38B_Unbiased	7.955	42.642	-34.687
150	39B_Unbiased	3.741	38.759	-35.018
150	40C_Unbiased	7.703	43.850	-36.147
Max		8.326	43.850	-31.938
Average		5.041	40.504	-35.463
Min		2.878	36.926	-38.928
Std Dev		2.338	2.033	2.275

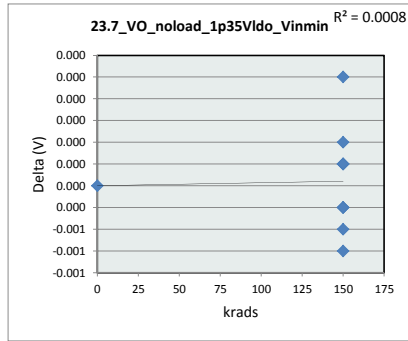


23.6_VO_LoadRegrsrc1A_1p2V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	39.279	36.926
Average	39.279	40.626
Max	39.279	43.850
UL	200.000	200.000

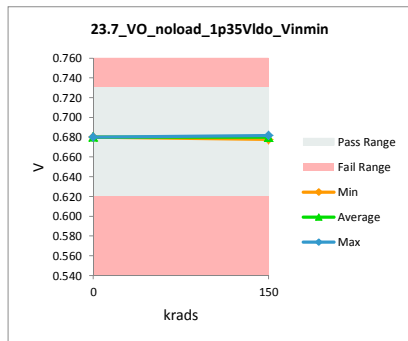


TID 150k HDR Rebound Report
TPS7H3301-SP

23.7_VO_noload_1p35Vldo_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		V	V	
Max Limit		0.73	0.73	
Min Limit		0.62	0.62	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.680	0.680	0.000
150	116A_Biased	0.680	0.681	0.000
150	117A_Biased	0.679	0.679	0.000
150	36B_biased	0.680	0.680	0.000
150	37B_Biased	0.680	0.680	0.000
150	39C_Biased	0.679	0.680	0.000
150	118A_Unbiased	0.682	0.682	0.000
150	140A_Unbiased	0.680	0.680	0.000
150	38B_Unbiased	0.681	0.681	0.000
150	39B_Unbiased	0.677	0.678	-0.001
150	40C_Unbiased	0.679	0.679	0.000
Max		0.682	0.682	0.000
Average		0.680	0.680	0.000
Min		0.677	0.678	-0.001
Std Dev		0.001	0.001	0.000

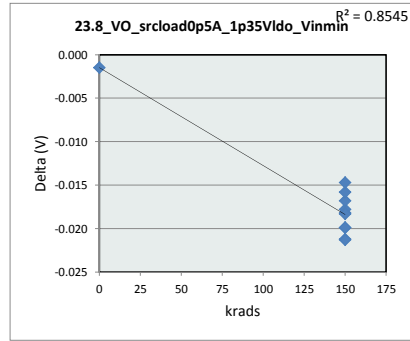


23.7_VO_noload_1p35Vldo_Vi		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.73	V
Min Limit	0.62	V
krads	0	150
LL	0.620	0.620
Min	0.680	0.678
Average	0.680	0.680
Max	0.680	0.682
UL	0.730	0.730

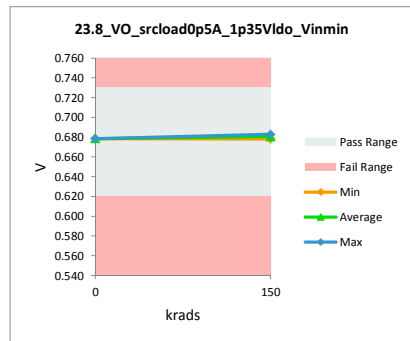


TID 150k HDR Rebound Report
TPS7H3301-SP

23.8_VO_srcload0p5A_1p35Vldo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.73	0.73		
Min Limit	0.62	0.62		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.677	0.678	-0.001
150	116A_Biased	0.663	0.680	-0.018
150	117A_Biased	0.660	0.678	-0.018
150	36B_biased	0.663	0.679	-0.017
150	37B_Biased	0.663	0.683	-0.020
150	39C_Biased	0.661	0.682	-0.021
150	118A_Unbiased	0.665	0.680	-0.016
150	140A_Unbiased	0.666	0.681	-0.015
150	38B_Unbiased	0.664	0.682	-0.018
150	39B_Unbiased	0.658	0.679	-0.021
150	40C_Unbiased	0.660	0.680	-0.020
Max		0.677	0.683	-0.001
Average		0.664	0.680	-0.017
Min		0.658	0.678	-0.021
Std Dev		0.005	0.002	0.006

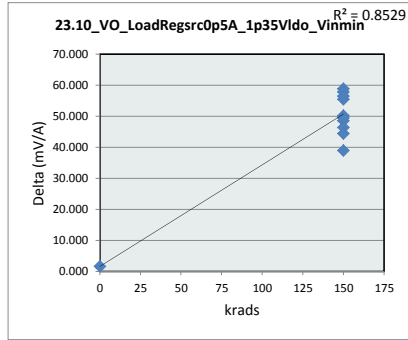


23.8_VO_srcload0p5A_1p35Vldo_V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.73	V
Min Limit	0.62	V
krads	0	150
LL	0.620	0.620
Min	0.678	0.678
Average	0.678	0.681
Max	0.678	0.683
UL	0.730	0.730

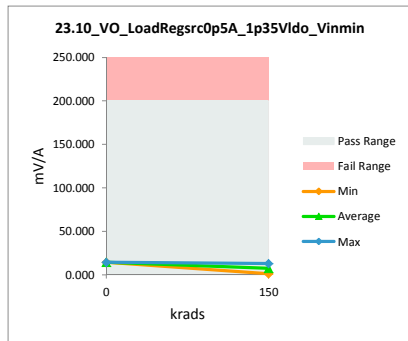


TID 150k HDR Rebound Report
TPS7H3301-SP

23.10_VO_LoadRegrsrc0p5A_1p35V				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	16.006	14.357	1.649
150	116A_Biased	57.626	9.155	48.471
150	117A_Biased	62.552	12.344	50.208
150	36B_biased	56.414	10.085	46.329
150	37B_Biased	57.257	1.838	55.419
150	39C_Biased	60.021	1.160	58.861
150	118A_Unbiased	57.222	12.799	44.423
150	140A_Unbiased	46.947	8.002	38.945
150	38B_Unbiased	55.819	6.327	49.492
150	39B_Unbiased	64.337	6.498	57.839
150	40C_Unbiased	61.398	4.920	56.478
	Max	64.337	14.357	58.861
	Average	54.145	7.953	46.192
	Min	16.006	1.160	1.649
	Std Dev	13.444	4.327	15.997

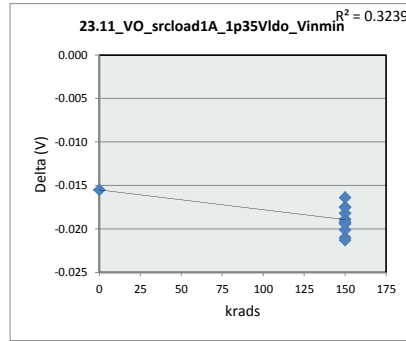


23.10_VO_LoadRegrsrc0p5A_1		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	14.357	1.160
Average	14.357	7.313
Max	14.357	12.799
UL	200.000	200.000

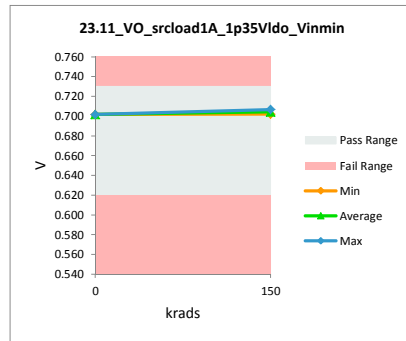


TID 150k HDR Rebound Report
TPS7H3301-SP

23.11_VO_srcload1A_1p35Vldo_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.686	0.702	-0.015
150	116A_Biased	0.686	0.704	-0.018
150	117A_Biased	0.684	0.702	-0.017
150	36B_biased	0.685	0.703	-0.017
150	37B_Biased	0.686	0.707	-0.021
150	39C_Biased	0.685	0.706	-0.021
150	118A_Unbiased	0.688	0.704	-0.016
150	140A_Unbiased	0.686	0.705	-0.019
150	38B_Unbiased	0.686	0.706	-0.019
150	39B_Unbiased	0.683	0.703	-0.020
150	40C_Unbiased	0.684	0.703	-0.019
	Max	0.688	0.707	-0.015
	Average	0.685	0.704	-0.019
	Min	0.683	0.702	-0.021
	Std Dev	0.001	0.002	0.002

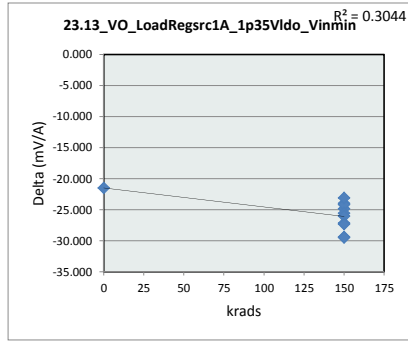


23.11_VO_srcload1A_1p35Vldo_Vinmin		
krads	0	150
LL	0.620	0.620
Min	0.702	0.702
Average	0.702	0.704
Max	0.702	0.707
UL	0.730	0.730

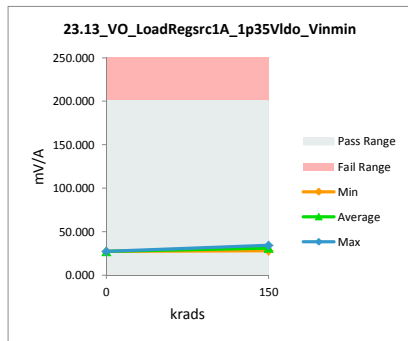


TID 150k HDR Rebound Report
TPS7H3301-SP

23.13_VO_LoadRegrsrc1A_1p35Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.670	27.197	-21.527
150	116A_Biased	5.710	30.562	-24.852
150	117A_Biased	4.662	28.627	-23.965
150	36B_biased	4.974	29.171	-24.197
150	37B_Biased	4.880	34.252	-29.372
150	39C_Biased	4.770	34.280	-29.510
150	118A_Unbiased	4.906	28.040	-23.134
150	140A_Unbiased	5.556	31.145	-25.589
150	38B_Unbiased	4.936	30.997	-26.061
150	39B_Unbiased	5.107	32.299	-27.192
150	40C_Unbiased	4.715	32.048	-27.333
	Max	5.710	34.280	-21.527
	Average	5.081	30.783	-25.703
	Min	4.662	27.197	-29.510
	Std Dev	0.385	2.367	2.510

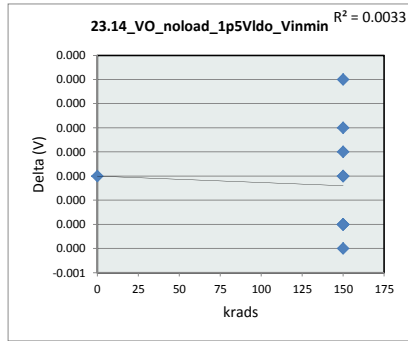


23.13_VO_LoadRegrsrc1A_1p35Vldo_Vinmin		
krads	0	150
LL	0.000	0.000
Min	27.197	28.040
Average	27.197	31.142
Max	27.197	34.280
UL	200.000	200.000

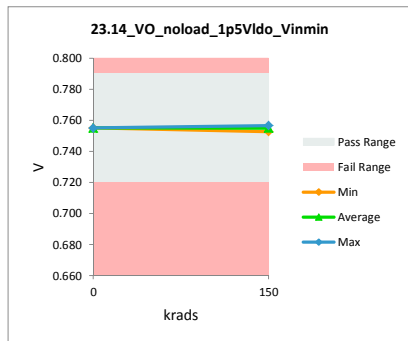


TID 150k HDR Rebound Report
TPS7H3301-SP

23.14_VO_noload_1p5Vldo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.755	0.755	0.000
150	116A_Biased	0.756	0.756	0.000
150	117A_Biased	0.754	0.754	0.000
150	36B_biased	0.755	0.755	0.000
150	37B_Biased	0.755	0.756	0.000
150	39C_Biased	0.754	0.755	0.000
150	118A_Unbiased	0.757	0.757	0.000
150	140A_Unbiased	0.755	0.755	0.000
150	38B_Unbiased	0.756	0.756	0.000
150	39B_Unbiased	0.752	0.753	0.000
150	40C_Unbiased	0.754	0.754	0.000
Max		0.757	0.757	0.000
Average		0.755	0.755	0.000
Min		0.752	0.753	0.000
Std Dev		0.001	0.001	0.000

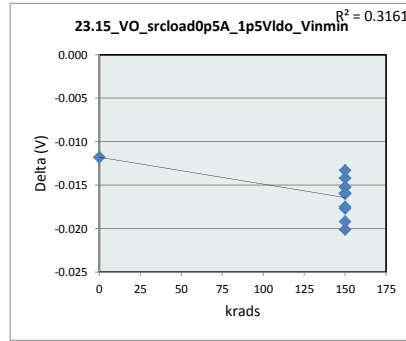


23.14_VO_noload_1p5Vldo_Vi		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.79	V
Min Limit	0.72	V
krads	0	150
LL	0.720	0.720
Min	0.755	0.753
Average	0.755	0.755
Max	0.755	0.757
UL	0.790	0.790

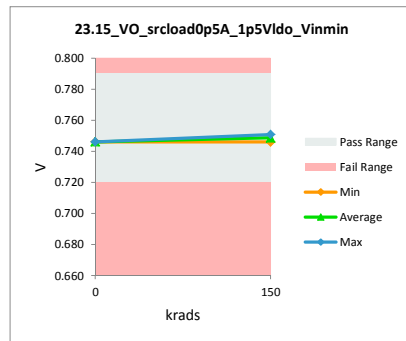


TID 150k HDR Rebound Report
TPS7H3301-SP

23.15_VO_srcloadOp5A_1p5Vldo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.734	0.746	-0.012
150	116A_Biased	0.733	0.749	-0.015
150	117A_Biased	0.730	0.746	-0.016
150	36B_biased	0.733	0.747	-0.014
150	37B_Biased	0.733	0.751	-0.018
150	39C_Biased	0.730	0.751	-0.020
150	118A_Unbiased	0.735	0.749	-0.013
150	140A_Unbiased	0.734	0.749	-0.015
150	38B_Unbiased	0.734	0.750	-0.016
150	39B_Unbiased	0.728	0.747	-0.019
150	40C_Unbiased	0.730	0.748	-0.017
Max		0.735	0.751	-0.012
Average		0.732	0.748	-0.016
Min		0.728	0.746	-0.020
Std Dev		0.002	0.002	0.002

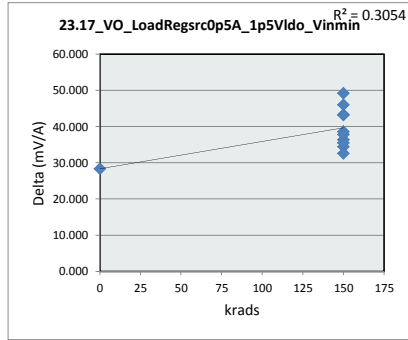


23.15_VO_srcloadOp5A_1p5Vldo_V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.79	V
Min Limit	0.72	V
krads	0	150
LL	0.720	0.720
Min	0.746	0.746
Average	0.746	0.749
Max	0.746	0.751
UL	0.790	0.790

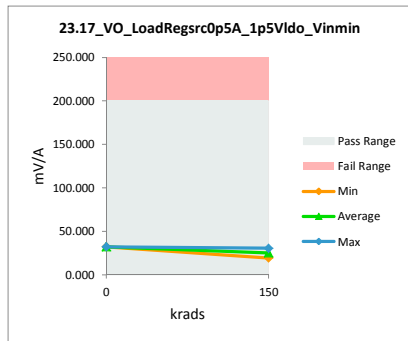


TID 150k HDR Rebound Report
TPS7H3301-SP

23.17_VO_LoadRegrsrc0p5A_1p5Vldo_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	60.600	32.270	28.330
150	116A_Biased	62.976	26.580	36.396
150	117A_Biased	69.154	30.615	38.539
150	36B_biased	62.507	28.057	34.450
150	37B_Biased	63.780	20.539	43.241
150	39C_Biased	68.515	19.350	49.165
150	118A_Unbiased	62.407	29.847	32.560
150	140A_Unbiased	60.633	25.127	35.506
150	38B_Unbiased	62.115	24.371	37.744
150	39B_Unbiased	70.977	24.953	46.024
150	40C_Unbiased	66.778	23.623	43.155
	Max	70.977	32.270	49.165
	Average	64.586	25.939	38.646
	Min	60.600	19.350	28.330
	Std Dev	3.632	4.051	6.191

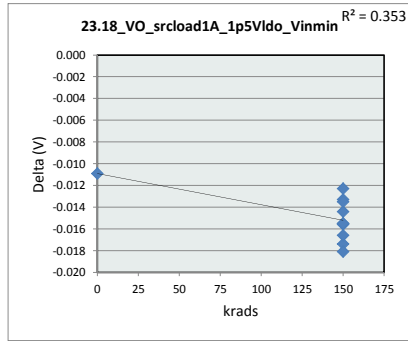


23.17_VO_LoadRegrsrc0p5A_1		
krads	0	150
LL	0.000	0.000
Min	32.270	19.350
Average	32.270	25.306
Max	32.270	30.615
UL	200.000	200.000

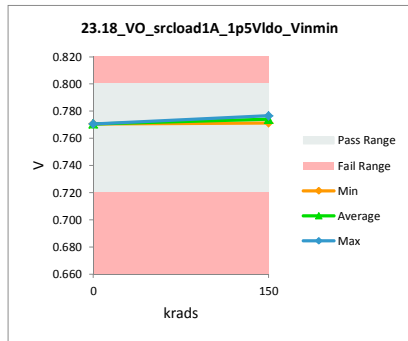


TID 150k HDR Rebound Report
TPS7H3301-SP

23.18_VO_srcload1A_1p5Vldo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.72	0.72		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.760	0.771	-0.011
150	116A_Biased	0.760	0.774	-0.014
150	117A_Biased	0.758	0.771	-0.013
150	36B_biased	0.758	0.772	-0.014
150	37B_Biased	0.759	0.777	-0.017
150	39C_Biased	0.758	0.776	-0.018
150	118A_Unbiased	0.761	0.773	-0.012
150	140A_Unbiased	0.759	0.775	-0.016
150	38B_Unbiased	0.760	0.775	-0.016
150	39B_Unbiased	0.757	0.773	-0.017
150	40C_Unbiased	0.757	0.773	-0.016
Max		0.761	0.777	-0.011
Average		0.759	0.774	-0.015
Min		0.757	0.771	-0.018
Std Dev		0.001	0.002	0.002

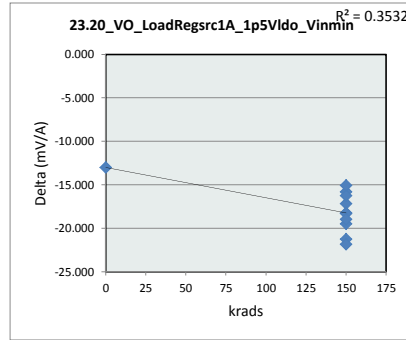


23.18_VO_srcload1A_1p5Vldo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.8	V
Min Limit	0.72	V
krads	0	150
LL	0.720	0.720
Min	0.771	0.771
Average	0.771	0.774
Max	0.771	0.777
UL	0.800	0.800

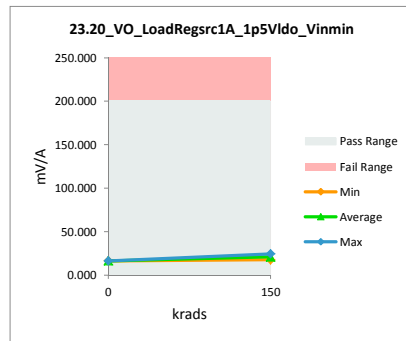


TID 150k HDR Rebound Report
TPS7H3301-SP

23.20_VO_LoadRegrsrc1A_1p5Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.367	16.383	-13.016
150	116A_Biased	3.312	20.474	-17.162
150	117A_Biased	2.390	18.211	-15.821
150	36B_biased	2.581	18.813	-16.232
150	37B_Biased	2.648	23.911	-21.263
150	39C_Biased	2.581	24.428	-21.847
150	118A_Unbiased	2.641	17.702	-15.061
150	140A_Unbiased	2.865	21.102	-18.237
150	38B_Unbiased	2.556	20.852	-18.296
150	39B_Unbiased	2.665	22.154	-19.489
150	40C_Unbiased	2.542	21.504	-18.962
	Max	3.367	24.428	-13.016
	Average	2.741	20.503	-17.762
	Min	2.390	16.383	-21.847
	Std Dev	0.317	2.533	2.649

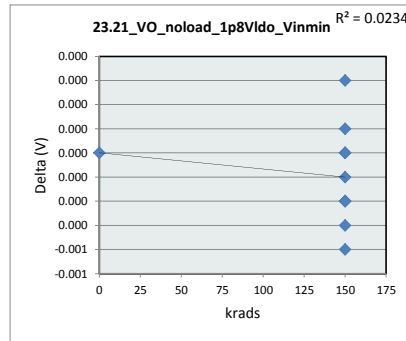


23.20_VO_LoadRegrsrc1A_1p5		
krads	0	150
LL	0.000	0.000
Min	16.383	17.702
Average	16.383	20.915
Max	16.383	24.428
UL	200.000	200.000

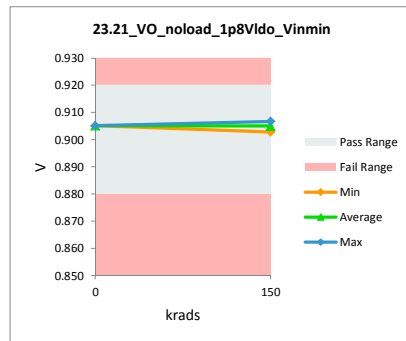


TID 150k HDR Rebound Report
TPS7H3301-SP

23.21_VO_noload_1p8Vldo_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.905	0.905	0.000
150	116A_Biased	0.905	0.906	0.000
150	117A_Biased	0.904	0.904	0.000
150	36B_biased	0.905	0.905	0.000
150	37B_Biased	0.905	0.906	-0.001
150	39C_Biased	0.905	0.905	0.000
150	118A_Unbiased	0.907	0.907	0.000
150	140A_Unbiased	0.905	0.905	0.000
150	38B_Unbiased	0.906	0.906	0.000
150	39B_Unbiased	0.902	0.903	0.000
150	40C_Unbiased	0.904	0.904	0.000
Max		0.907	0.907	0.000
Average		0.905	0.905	0.000
Min		0.902	0.903	-0.001
Std Dev		0.001	0.001	0.000

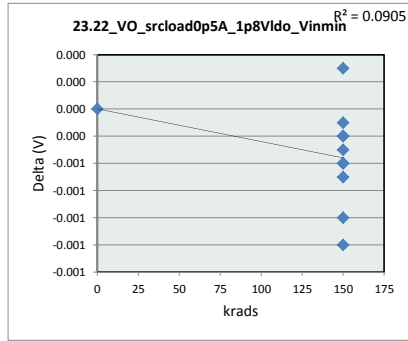


23.21_VO_noload_1p8Vldo_Vi		
krads	0	150
LL	0.880	0.880
Min	0.905	0.903
Average	0.905	0.905
Max	0.905	0.907
UL	0.920	0.920

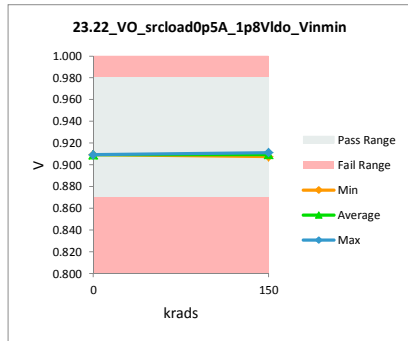


TID 150k HDR Rebound Report
TPS7H3301-SP

23.22_VO_srcloadOp5A_1p8Vldo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.98	0.98		
Min Limit	0.87	0.87		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.909	0.909	0.000
150	116A_Biased	0.909	0.910	0.000
150	117A_Biased	0.908	0.909	-0.001
150	36B_biased	0.909	0.909	0.000
150	37B_Biased	0.909	0.910	0.000
150	39C_Biased	0.908	0.909	-0.001
150	118A_Unbiased	0.911	0.911	0.000
150	140A_Unbiased	0.909	0.910	-0.001
150	38B_Unbiased	0.910	0.911	-0.001
150	39B_Unbiased	0.906	0.908	-0.001
150	40C_Unbiased	0.907	0.908	0.000
	Max	0.911	0.911	0.000
	Average	0.909	0.909	-0.001
	Min	0.906	0.908	-0.001
	Std Dev	0.001	0.001	0.000

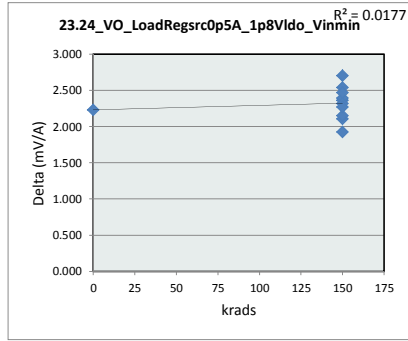


23.22_VO_srcloadOp5A_1p8Vldo_V		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.98	V
Min Limit	0.87	V
krads	0	150
LL	0.870	0.870
Min	0.909	0.908
Average	0.909	0.909
Max	0.909	0.911
UL	0.980	0.980

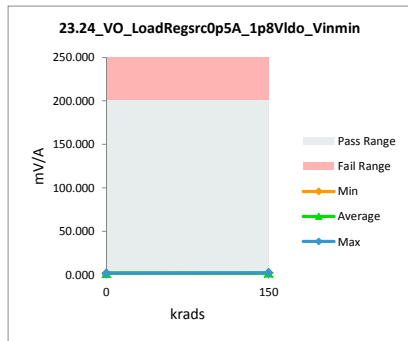


TID 150k HDR Rebound Report
TPS7H3301-SP

23.24_VO_LoadRegrsrc0p5A_1p8Vldo_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	4.059	1.831	2.228
150	116A_Biased	4.601	2.241	2.360
150	117A_Biased	4.065	1.958	2.107
150	36B_biased	4.404	2.011	2.393
150	37B_Biased	4.592	2.055	2.537
150	39C_Biased	4.420	2.102	2.318
150	118A_Unbiased	4.794	2.324	2.470
150	140A_Unbiased	4.939	2.239	2.700
150	38B_Unbiased	4.128	1.978	2.150
150	39B_Unbiased	4.067	2.143	1.924
150	40C_Unbiased	4.249	1.978	2.271
Max		4.939	2.324	2.700
Average		4.393	2.078	2.314
Min		4.059	1.831	1.924
Std Dev		0.310	0.148	0.215

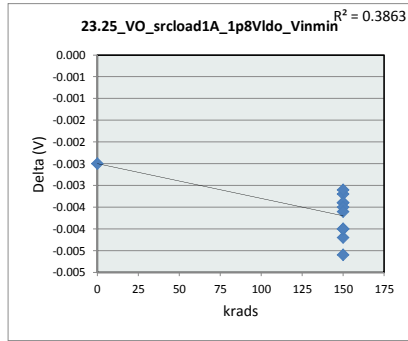


23.24_VO_LoadRegrsrc0p5A_1		
krads	0	150
LL	0.000	0.000
Min	1.831	1.958
Average	1.831	2.103
Max	1.831	2.324
UL	200.000	200.000

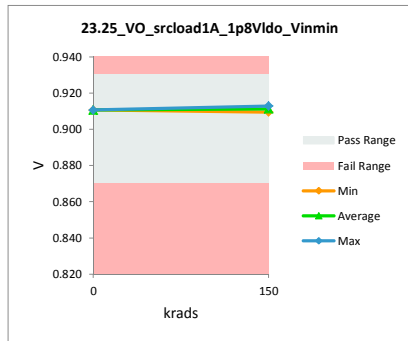


TID 150k HDR Rebound Report
TPS7H3301-SP

23.25_VO_srcload1A_1p8Vldo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.93	0.93		
Min Limit	0.87	0.87		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.908	0.911	-0.002
150	116A_Biased	0.908	0.912	-0.003
150	117A_Biased	0.907	0.910	-0.003
150	36B_biased	0.907	0.911	-0.003
150	37B_Biased	0.908	0.912	-0.003
150	39C_Biased	0.907	0.911	-0.004
150	118A_Unbiased	0.910	0.913	-0.003
150	140A_Unbiased	0.908	0.912	-0.004
150	38B_Unbiased	0.909	0.913	-0.004
150	39B_Unbiased	0.905	0.910	-0.005
150	40C_Unbiased	0.906	0.910	-0.004
	Max	0.910	0.913	-0.002
	Average	0.908	0.911	-0.004
	Min	0.905	0.910	-0.005
	Std Dev	0.001	0.001	0.001

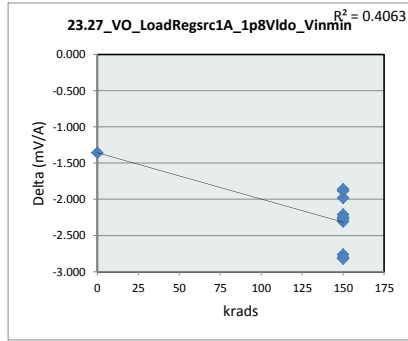


23.25_VO_srcload1A_1p8Vldo_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	0.93	V
Min Limit	0.87	V
krads	0	150
LL	0.870	0.870
Min	0.911	0.910
Average	0.911	0.911
Max	0.911	0.913
UL	0.930	0.930

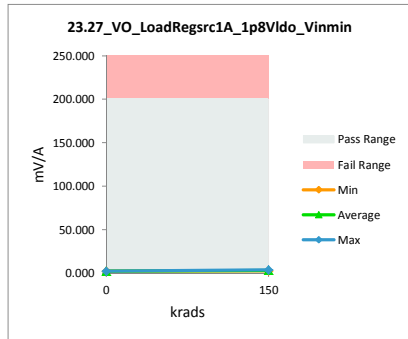


TID 150k HDR Rebound Report
TPS7H3301-SP

23.27_VO_LoadRegrsrc1A_1p8Vldo				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.936	2.295	-1.359
150	116A_Biased	1.088	3.067	-1.979
150	117A_Biased	0.691	2.574	-1.883
150	36B_biased	0.854	3.066	-2.212
150	37B_Biased	0.995	3.266	-2.271
150	39C_Biased	0.954	3.716	-2.762
150	118A_Unbiased	0.594	2.903	-2.309
150	140A_Unbiased	1.186	3.048	-1.862
150	38B_Unbiased	0.877	3.126	-2.249
150	39B_Unbiased	0.500	3.303	-2.803
150	40C_Unbiased	0.861	3.680	-2.819
Max		1.186	3.716	-1.359
Average		0.867	3.095	-2.228
Min		0.500	2.295	-2.819
Std Dev		0.205	0.419	0.452

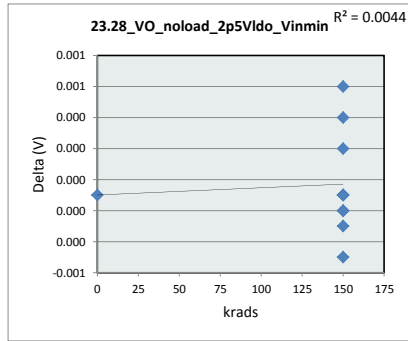


23.27_VO_LoadRegrsrc1A_1p8		
krads	0	150
LL	0.000	0.000
Min	2.295	2.574
Average	2.295	3.175
Max	2.295	3.716
UL	200.000	200.000

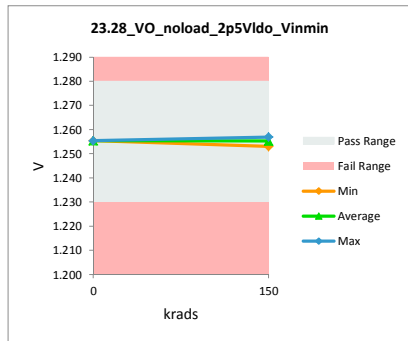


TID 150k HDR Rebound Report
TPS7H3301-SP

23.28_VO_noload_2p5Vldo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.28	1.28		
Min Limit	1.23	1.23		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.255	1.255	0.000
150	116A_Biased	1.256	1.256	0.001
150	117A_Biased	1.255	1.255	0.000
150	36B_biased	1.255	1.255	0.000
150	37B_Biased	1.255	1.256	0.000
150	39C_Biased	1.255	1.255	0.000
150	118A_Unbiased	1.257	1.257	0.000
150	140A_Unbiased	1.255	1.256	0.000
150	38B_Unbiased	1.257	1.257	0.000
150	39B_Unbiased	1.253	1.253	0.000
150	40C_Unbiased	1.254	1.254	0.000
	Max	1.257	1.257	0.001
	Average	1.255	1.255	0.000
	Min	1.253	1.253	0.000
	Std Dev	0.001	0.001	0.000

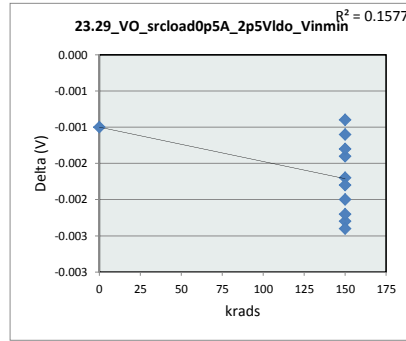


23.28_VO_noload_2p5Vldo_Vi		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.28	V
Min Limit	1.23	V
krads	0	150
LL	1.230	1.230
Min	1.255	1.253
Average	1.255	1.255
Max	1.255	1.257
UL	1.280	1.280

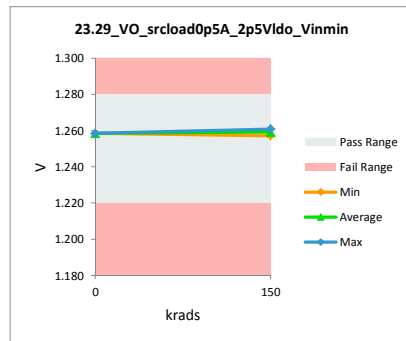


TID 150k HDR Rebound Report
TPS7H3301-SP

23.29_VO_srcloadOp5A_2p5Vldo_V				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.257	1.258	-0.001
150	116A_Biased	1.258	1.259	-0.001
150	117A_Biased	1.257	1.258	-0.002
150	36B_biased	1.257	1.259	-0.001
150	37B_Biased	1.258	1.259	-0.002
150	39C_Biased	1.257	1.259	-0.002
150	118A_Unbiased	1.260	1.261	-0.001
150	140A_Unbiased	1.258	1.259	-0.001
150	38B_Unbiased	1.258	1.261	-0.002
150	39B_Unbiased	1.255	1.257	-0.002
150	40C_Unbiased	1.256	1.258	-0.002
	Max	1.260	1.261	-0.001
	Average	1.257	1.259	-0.002
	Min	1.255	1.257	-0.002
	Std Dev	0.001	0.001	0.001

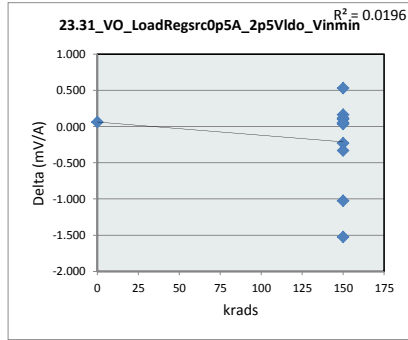


23.29_VO_srcloadOp5A_2p5Vldo_V		
krads	0	150
LL	1.220	1.220
Min	1.258	1.257
Average	1.258	1.259
Max	1.258	1.261
UL	1.280	1.280

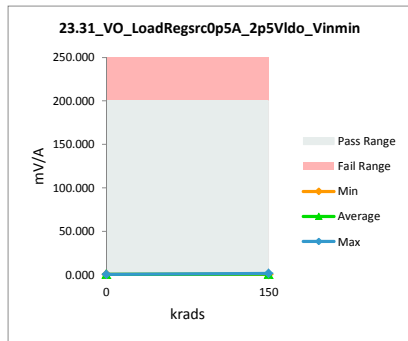


TID 150k HDR Rebound Report
TPS7H3301-SP

23.31_VO_LoadRegrsrc0p5A_2p5Vldo_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.703	0.640	0.063
150	116A_Biased	0.990	0.461	0.529
150	117A_Biased	0.505	0.470	0.035
150	36B_biased	0.247	0.478	-0.231
150	37B_Biased	0.593	0.493	0.100
150	39C_Biased	0.347	1.370	-1.023
150	118A_Unbiased	0.672	0.509	0.163
150	140A_Unbiased	0.463	0.349	0.114
150	38B_Unbiased	0.710	0.657	0.053
150	39B_Unbiased	0.097	0.427	-0.330
150	40C_Unbiased	0.148	1.673	-1.525
	Max	0.990	1.673	0.529
	Average	0.498	0.684	-0.187
	Min	0.097	0.349	-1.525
	Std Dev	0.272	0.428	0.591

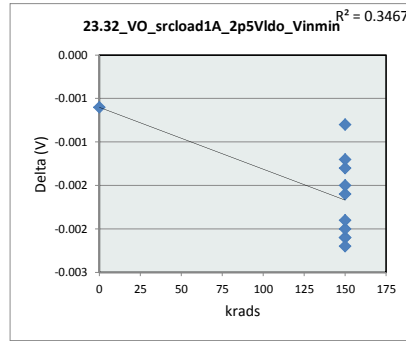


23.31_VO_LoadRegrsrc0p5A_2		
krads	0	150
LL	0.000	0.000
Min	0.640	0.349
Average	0.640	0.689
Max	0.640	1.673
UL	200.000	200.000

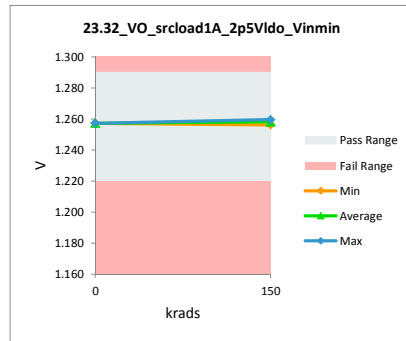


TID 150k HDR Rebound Report
TPS7H3301-SP

23.32_VO_srcload1A_2p5VIdo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.29	1.29		
Min Limit	1.22	1.22		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.257	1.257	-0.001
150	116A_Biased	1.257	1.259	-0.001
150	117A_Biased	1.256	1.257	-0.002
150	36B_biased	1.256	1.257	-0.001
150	37B_Biased	1.256	1.258	-0.002
150	39C_Biased	1.257	1.258	-0.001
150	118A_Unbiased	1.259	1.260	-0.001
150	140A_Unbiased	1.257	1.259	-0.002
150	38B_Unbiased	1.258	1.260	-0.002
150	39B_Unbiased	1.254	1.256	-0.002
150	40C_Unbiased	1.255	1.257	-0.002
	Max	1.259	1.260	-0.001
	Average	1.256	1.258	-0.002
	Min	1.254	1.256	-0.002
	Std Dev	0.001	0.001	0.001

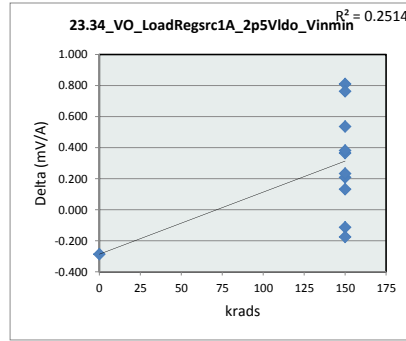


23.32_VO_srcload1A_2p5VIdo		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.29	V
Min Limit	1.22	V
krads	0	150
LL	1.220	1.220
Min	1.257	1.256
Average	1.257	1.258
Max	1.257	1.260
UL	1.290	1.290

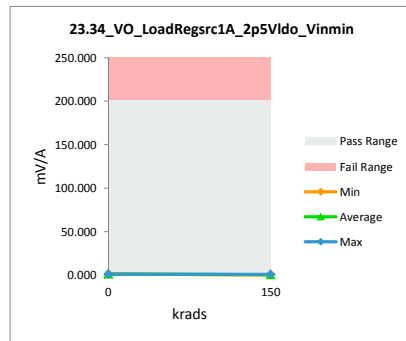


TID 150k HDR Rebound Report
TPS7H3301-SP

23.34_VO_LoadRegrsrc1A_2p5Vldo				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV/A	mV/A	
Max Limit		200	200	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.986	1.273	-0.287
150	116A_Biased	0.313	0.426	-0.113
150	117A_Biased	1.207	0.842	0.365
150	36B_biased	0.961	0.830	0.131
150	37B_Biased	1.246	0.437	0.809
150	39C_Biased	0.351	0.143	0.208
150	118A_Unbiased	0.550	0.726	-0.176
150	140A_Unbiased	1.033	0.497	0.536
150	38B_Unbiased	0.991	0.611	0.380
150	39B_Unbiased	0.697	0.464	0.233
150	40C_Unbiased	0.992	0.229	0.763
	Max	1.246	1.273	0.809
	Average	0.848	0.589	0.259
	Min	0.313	0.143	-0.287
	Std Dev	0.322	0.318	0.361

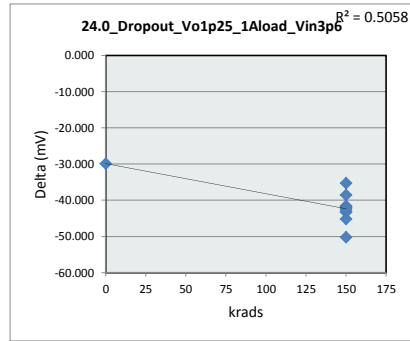


23.34_VO_LoadRegrsrc1A_2p5Vldo_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	200	mV/A
Min Limit	0	mV/A
krads	0	150
LL	0.000	0.000
Min	1.273	0.143
Average	1.273	0.521
Max	1.273	0.842
UL	200.000	200.000

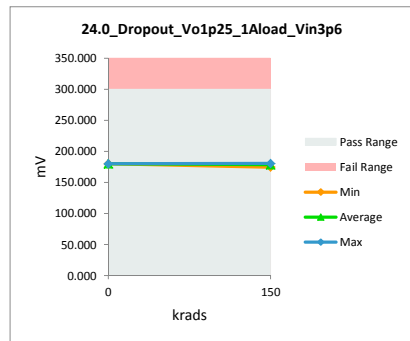


TID 150k HDR Rebound Report
TPS7H3301-SP

24.0_Dropout_Vo1p25_1Aload_Vin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	149.837	179.779	-29.942
150	116A_Biased	125.377	175.561	-50.184
150	117A_Biased	133.421	178.571	-45.150
150	36B_biased	138.029	176.548	-38.519
150	37B_Biased	137.733	179.772	-42.039
150	39C_Biased	138.721	180.310	-41.589
150	118A_Unbiased	131.235	174.550	-43.315
150	140A_Unbiased	142.080	177.353	-35.273
150	38B_Unbiased	138.688	180.480	-41.792
150	39B_Unbiased	136.788	179.889	-43.101
150	40C_Unbiased	137.452	179.864	-42.412
	Max	149.837	180.480	-29.942
	Average	137.215	178.425	-41.211
	Min	125.377	174.550	-50.184
	Std Dev	6.155	2.087	5.255

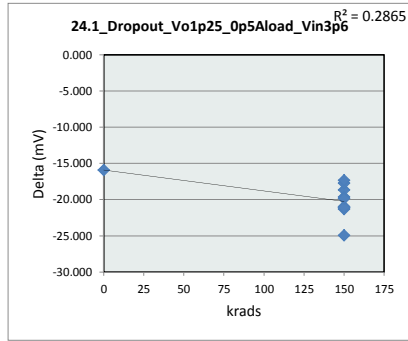


24.0_Dropout_Vo1p25_1Aload_Vin3p6		
krads	0	150
LL	0.000	0.000
Min	179.779	174.550
Average	179.779	178.290
Max	179.779	180.480
UL	300.000	300.000

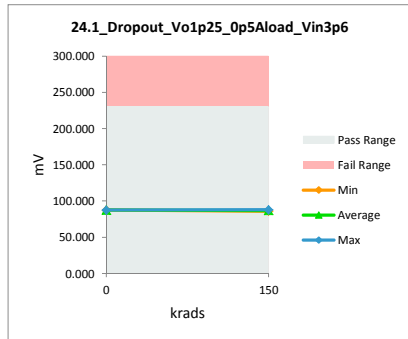


TID 150k HDR Rebound Report
TPS7H3301-SP

24.1_Dropout_Vo1p25_0p5Aload_Vin3p6				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	71.568	87.479	-15.911
150	116A_Biased	61.980	86.896	-24.916
150	117A_Biased	67.181	85.859	-18.678
150	36B_biased	68.178	85.894	-17.716
150	37B_Biased	67.540	87.175	-19.635
150	39C_Biased	66.628	87.953	-21.325
150	118A_Unbiased	64.665	85.817	-21.152
150	140A_Unbiased	69.580	86.902	-17.322
150	38B_Unbiased	66.819	87.755	-20.936
150	39B_Unbiased	66.323	87.427	-21.104
150	40C_Unbiased	67.466	87.334	-19.868
	Max	71.568	87.953	-15.911
	Average	67.084	86.954	-19.869
	Min	61.980	85.817	-24.916
	Std Dev	2.463	0.772	2.453

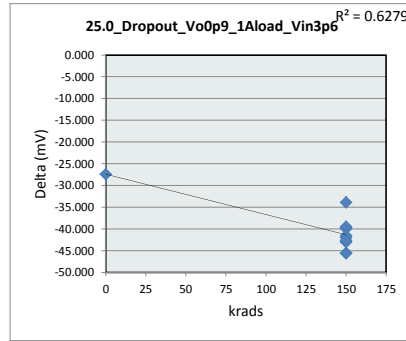


24.1_Dropout_Vo1p25_0p5Aload_Vin3p6		
krads	0	150
LL	0.000	0.000
Min	87.479	85.817
Average	87.479	86.901
Max	87.479	87.953
UL	230.000	230.000

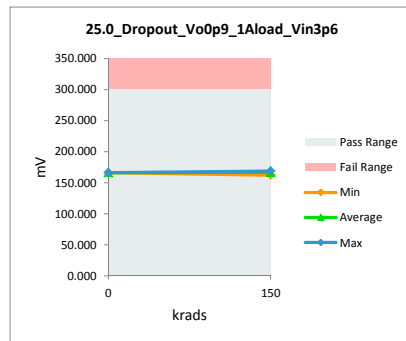


TID 150k HDR Rebound Report
TPS7H3301-SP

25.0_Dropout_VoOp9_1Aload_Vin3				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		300	300	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	138.738	166.137	-27.399
150	116A_Biased	120.043	165.572	-45.529
150	117A_Biased	121.250	166.847	-45.597
150	36B_biased	126.695	166.628	-39.933
150	37B_Biased	128.733	168.427	-39.694
150	39C_Biased	126.812	168.831	-42.019
150	118A_Unbiased	118.920	161.961	-43.041
150	140A_Unbiased	131.622	165.505	-33.883
150	38B_Unbiased	127.797	167.252	-39.455
150	39B_Unbiased	126.286	167.826	-41.540
150	40C_Unbiased	125.490	168.126	-42.636
	Max	138.738	168.831	-27.399
	Average	126.581	166.647	-40.066
	Min	118.920	161.961	-45.597
	Std Dev	5.572	1.913	5.302

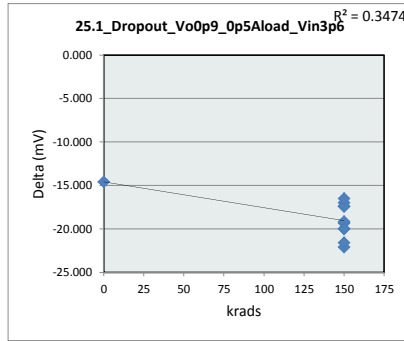


25.0_Dropout_VoOp9_1Aload		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	300	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	166.137	161.961
Average	166.137	166.698
Max	166.137	168.831
UL	300.000	300.000

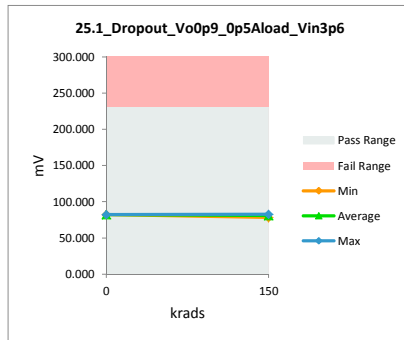


TID 150k HDR Rebound Report
TPS7H3301-SP

25.1_Dropout_VoOp9_Op5Aload_Vi				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	67.630	82.227	-14.597
150	116A_Biased	59.295	79.290	-19.995
150	117A_Biased	62.894	80.324	-17.430
150	36B_biased	63.192	80.181	-16.989
150	37B_Biased	62.381	81.739	-19.358
150	39C_Biased	60.383	82.495	-22.112
150	118A_Unbiased	60.719	78.108	-17.389
150	140A_Unbiased	65.225	81.719	-16.494
150	38B_Unbiased	61.540	80.707	-19.167
150	39B_Unbiased	60.067	81.661	-21.594
150	40C_Unbiased	61.496	81.465	-19.969
	Max	67.630	82.495	-14.597
	Average	62.257	80.901	-18.645
	Min	59.295	78.108	-22.112
	Std Dev	2.440	1.336	2.278

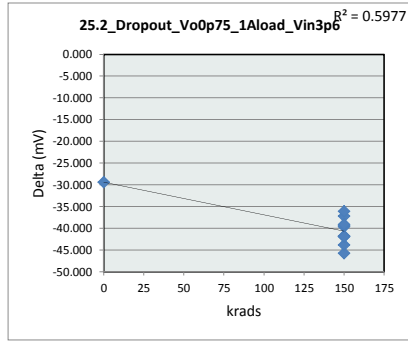


25.1_Dropout_VoOp9_Op5Aload		
krads	0	150
LL	0.000	0.000
Min	82.227	78.108
Average	82.227	80.769
Max	82.227	82.495
UL	230.000	230.000

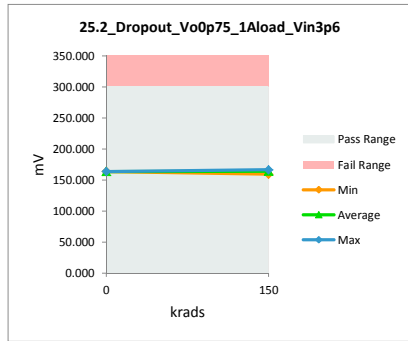


TID 150k HDR Rebound Report
TPS7H3301-SP

25.2_Dropout_Vo0p75_1Aload_Vin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		300	300	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	134.168	163.555	-29.387
150	116A_Biased	117.448	163.172	-45.724
150	117A_Biased	124.677	164.347	-39.670
150	36B_biased	124.555	163.964	-39.409
150	37B_Biased	124.084	165.866	-41.782
150	39C_Biased	124.589	166.480	-41.891
150	118A_Unbiased	122.050	159.257	-37.207
150	140A_Unbiased	126.935	163.024	-36.089
150	38B_Unbiased	125.698	164.794	-39.096
150	39B_Unbiased	121.786	165.594	-43.808
150	40C_Unbiased	123.294	165.230	-41.936
Max		134.168	166.480	-29.387
Average		124.480	164.117	-39.636
Min		117.448	159.257	-45.724
Std Dev		4.069	1.965	4.397

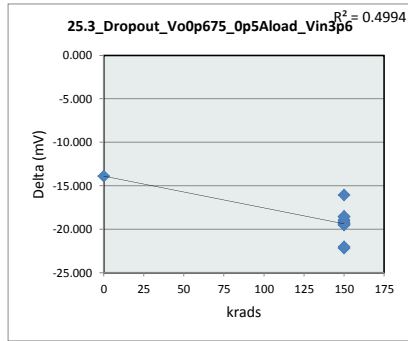


25.2_Dropout_Vo0p75_1Aload		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	300	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	163.555	159.257
Average	163.555	164.173
Max	163.555	166.480
UL	300.000	300.000

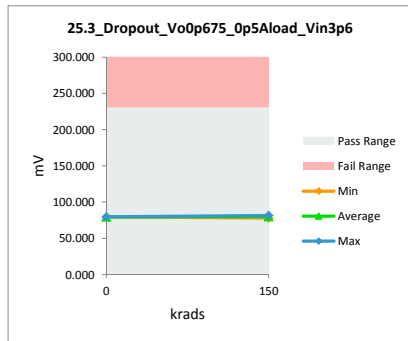


TID 150k HDR Rebound Report
TPS7H3301-SP

25.3_Dropout_VoOp675_Op5Aload				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	65.587	79.498	-13.911
150	116A_Biased	56.980	79.139	-22.159
150	117A_Biased	60.992	80.341	-19.349
150	36B_biased	60.750	80.192	-19.442
150	37B_Biased	60.161	79.366	-19.205
150	39C_Biased	60.958	79.912	-18.954
150	118A_Unbiased	58.510	78.022	-19.512
150	140A_Unbiased	63.176	79.256	-16.080
150	38B_Unbiased	62.142	80.673	-18.531
150	39B_Unbiased	60.356	78.913	-18.557
150	40C_Unbiased	59.437	81.469	-22.032
	Max	65.587	81.469	-13.911
	Average	60.823	79.707	-18.885
	Min	56.980	78.022	-22.159
	Std Dev	2.296	0.942	2.334

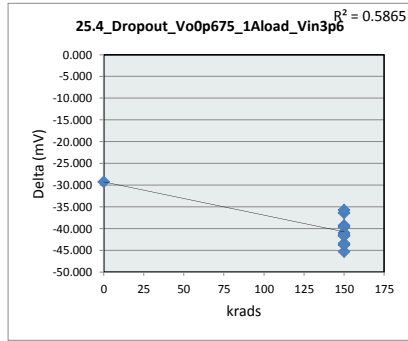


25.3_Dropout_VoOp675_Op5A		
krads	0	150
LL	0.000	0.000
Min	79.498	78.022
Average	79.498	79.728
Max	79.498	81.469
UL	230.000	230.000

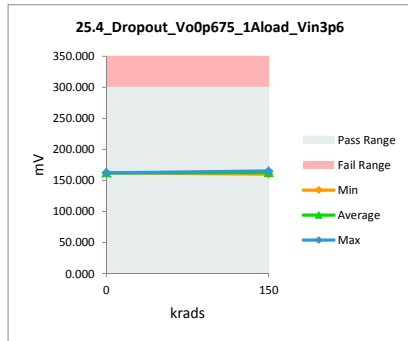


TID 150k HDR Rebound Report
TPS7H3301-SP

25.4_Dropout_VoOp675_1Aload_Vi				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		300	300	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	132.838	162.065	-29.227
150	116A_Biased	116.364	161.670	-45.306
150	117A_Biased	123.372	162.658	-39.286
150	36B_biased	123.537	159.965	-36.428
150	37B_Biased	122.738	164.197	-41.459
150	39C_Biased	121.062	164.818	-43.756
150	118A_Unbiased	120.780	160.410	-39.630
150	140A_Unbiased	125.810	161.559	-35.749
150	38B_Unbiased	122.093	163.084	-40.991
150	39B_Unbiased	120.465	163.872	-43.407
150	40C_Unbiased	121.976	163.692	-41.716
	Max	132.838	164.818	-29.227
	Average	122.821	162.545	-39.723
	Min	116.364	159.965	-45.306
	Std Dev	4.072	1.564	4.545

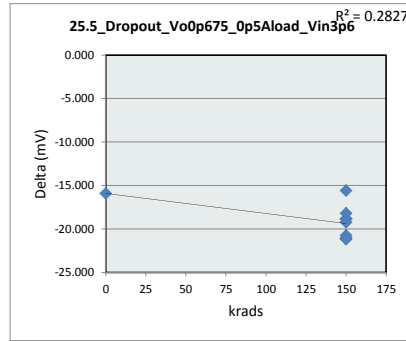


25.4_Dropout_VoOp675_1Aload_Vi		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	300	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	162.065	159.965
Average	162.065	162.593
Max	162.065	164.818
UL	300.000	300.000

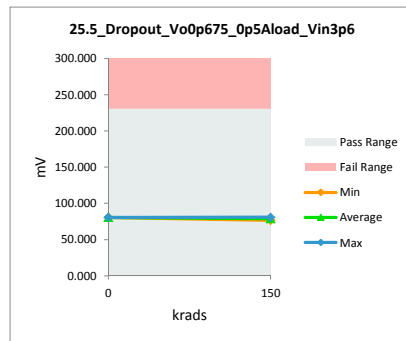


TID 150k HDR Rebound Report
TPS7H3301-SP

25.5_Dropout_VoOp675_Op5Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	64.704	80.612	-15.908
150	116A_Biased	58.959	77.781	-18.822
150	117A_Biased	60.055	78.884	-18.829
150	36B_biased	59.775	78.621	-18.846
150	37B_Biased	58.864	80.019	-21.155
150	39C_Biased	59.838	80.868	-21.030
150	118A_Unbiased	57.288	76.536	-19.248
150	140A_Unbiased	62.089	77.682	-15.593
150	38B_Unbiased	61.113	79.319	-18.206
150	39B_Unbiased	59.324	80.059	-20.735
150	40C_Unbiased	58.320	79.488	-21.168
Max		64.704	80.868	-15.593
Average		60.030	79.079	-19.049
Min		57.288	76.536	-21.168
Std Dev		2.020	1.341	1.959

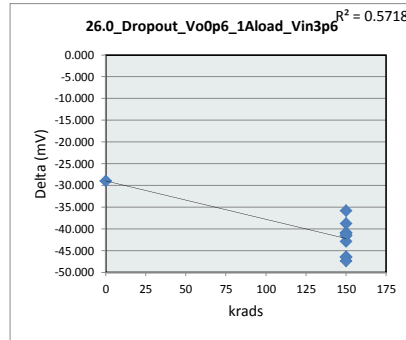


25.5_Dropout_VoOp675_Op5A		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	230	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	80.612	76.536
Average	80.612	78.926
Max	80.612	80.868
UL	230.000	230.000

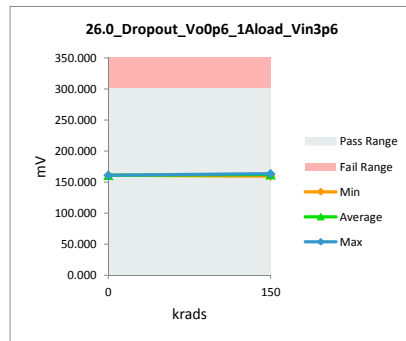


TID 150k HDR Rebound Report
TPS7H3301-SP

26.0_Dropout_VoOp6_1Aload_Vin3				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	131.868	160.839	-28.971
150	116A_Biased	114.160	160.559	-46.399
150	117A_Biased	115.123	161.617	-46.494
150	36B_biased	122.584	161.359	-38.775
150	37B_Biased	121.696	163.230	-41.534
150	39C_Biased	122.573	163.458	-40.885
150	118A_Unbiased	112.134	159.473	-47.339
150	140A_Unbiased	124.611	160.407	-35.796
150	38B_Unbiased	121.090	162.004	-40.914
150	39B_Unbiased	119.470	162.365	-42.895
150	40C_Unbiased	121.156	162.622	-41.466
Max		131.868	163.458	-28.971
Average		120.588	161.630	-41.043
Min		112.134	159.473	-47.339
Std Dev		5.450	1.247	5.295

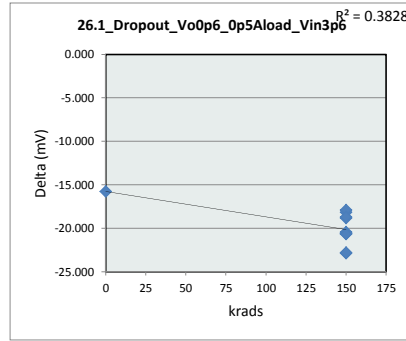


26.0_Dropout_VoOp6_1Aload		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	300	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	160.839	159.473
Average	160.839	161.709
Max	160.839	163.458
UL	300.000	300.000

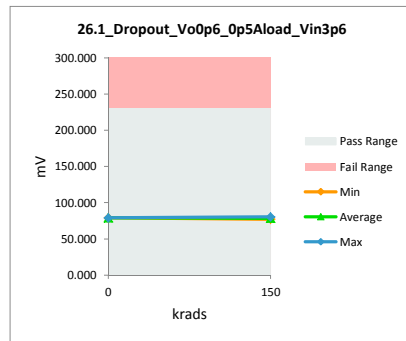


TID 150k HDR Rebound Report
TPS7H3301-SP

26.1_Dropout_VoOp6_Op5Aload_Vi				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	63.332	79.120	-15.788
150	116A_Biased	55.848	78.719	-22.871
150	117A_Biased	56.938	77.510	-20.572
150	36B_biased	58.422	77.265	-18.843
150	37B_Biased	60.570	78.728	-18.158
150	39C_Biased	58.735	79.355	-20.620
150	118A_Unbiased	54.354	77.172	-22.818
150	140A_Unbiased	60.709	78.629	-17.920
150	38B_Unbiased	59.867	80.327	-20.460
150	39B_Unbiased	58.016	78.664	-20.648
150	40C_Unbiased	59.579	78.276	-18.697
	Max	63.332	80.327	-15.788
	Average	58.761	78.524	-19.763
	Min	54.354	77.172	-22.871
	Std Dev	2.485	0.944	2.131

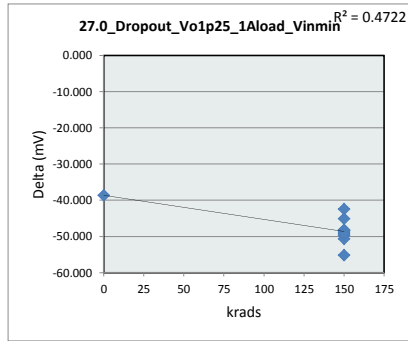


26.1_Dropout_VoOp6_Op5Aload_Vi		
krads	0	150
LL	0.000	0.000
Min	79.120	77.172
Average	79.120	78.465
Max	79.120	80.327
UL	230.000	230.000

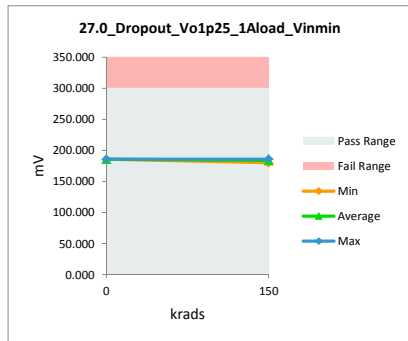


TID 150k HDR Rebound Report
TPS7H3301-SP

27.0_Dropout_Vo1p25_1Aload_Vin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		300	300	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	146.835	185.511	-38.676
150	116A_Biased	125.896	181.055	-55.159
150	117A_Biased	134.145	183.939	-49.794
150	36B_biased	136.887	181.968	-45.081
150	37B_Biased	136.362	185.131	-48.769
150	39C_Biased	135.186	185.836	-50.650
150	118A_Unbiased	131.531	179.757	-48.226
150	140A_Unbiased	140.722	183.148	-42.426
150	38B_Unbiased	137.485	185.802	-48.317
150	39B_Unbiased	135.113	183.357	-48.244
150	40C_Unbiased	136.006	185.339	-49.333
Max		146.835	185.836	-38.676
Average		136.015	183.713	-47.698
Min		125.896	179.757	-55.159
Std Dev		5.194	2.074	4.354

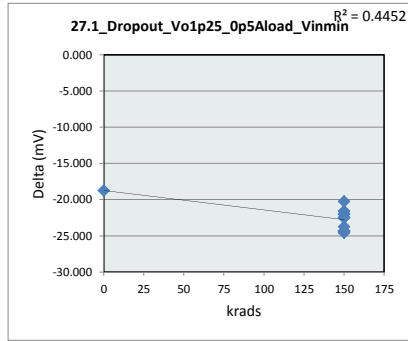


27.0_Dropout_Vo1p25_1Aload_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	300	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	185.511	179.757
Average	185.511	183.533
Max	185.511	185.836
UL	300.000	300.000

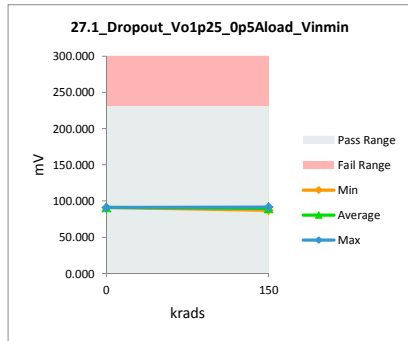


TID 150k HDR Rebound Report
TPS7H3301-SP

27.1_Dropout_Vo1p25_0p5Aload_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	72.181	90.942	-18.761
150	116A_Biased	66.839	88.411	-21.572
150	117A_Biased	67.465	89.477	-22.012
150	36B_biased	66.653	89.167	-22.514
150	37B_Biased	66.173	90.734	-24.561
150	39C_Biased	66.859	91.222	-24.363
150	118A_Unbiased	65.189	87.171	-21.982
150	140A_Unbiased	68.206	88.471	-20.265
150	38B_Unbiased	67.195	91.567	-24.372
150	39B_Unbiased	66.918	90.665	-23.747
150	40C_Unbiased	68.134	90.589	-22.455
	Max	72.181	91.567	-18.761
	Average	67.437	89.856	-22.419
	Min	65.189	87.171	-24.561
	Std Dev	1.785	1.406	1.818

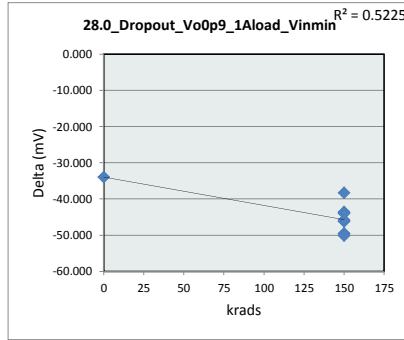


27.1_Dropout_Vo1p25_0p5Aload_Vinmin		
krads	0	150
LL	0.000	0.000
Min	90.942	87.171
Average	90.942	89.747
Max	90.942	91.567
UL	230.000	230.000

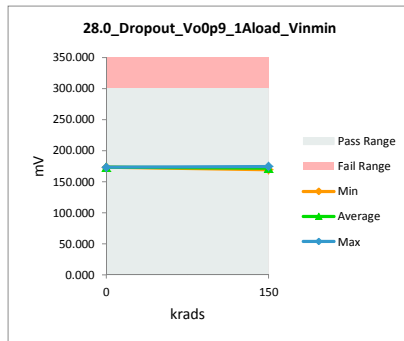


TID 150k HDR Rebound Report
TPS7H3301-SP

28.0_Dropout_VoOp9_1Aload_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	139.212	173.130	-33.918
150	116A_Biased	120.793	170.297	-49.504
150	117A_Biased	121.934	171.490	-49.556
150	36B_biased	127.072	170.993	-43.921
150	37B_Biased	129.255	172.867	-43.612
150	39C_Biased	127.069	173.252	-46.183
150	118A_Unbiased	119.052	169.186	-50.134
150	140A_Unbiased	132.007	170.262	-38.255
150	38B_Unbiased	128.208	174.357	-46.149
150	39B_Unbiased	126.647	172.417	-45.770
150	40C_Unbiased	128.149	172.108	-43.959
	Max	139.212	174.357	-33.918
	Average	127.218	171.851	-44.633
	Min	119.052	169.186	-50.134
	Std Dev	5.559	1.556	4.916

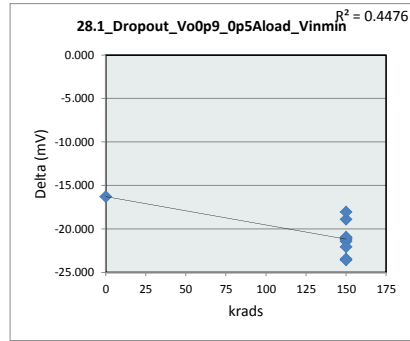


28.0_Dropout_VoOp9_1Aload		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	300	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	173.130	169.186
Average	173.130	171.723
Max	173.130	174.357
UL	300.000	300.000

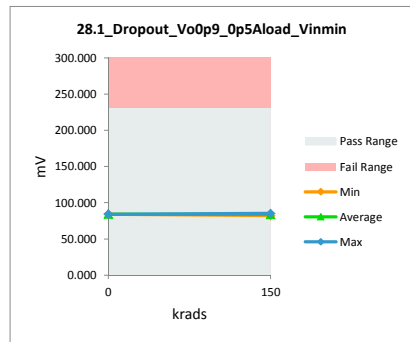


TID 150k HDR Rebound Report
TPS7H3301-SP

28.1_Dropout_VoOp9_Op5Aload_Vi				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	67.949	84.233	-16.284
150	116A_Biased	62.589	83.721	-21.132
150	117A_Biased	63.284	84.732	-21.448
150	36B_biased	63.250	82.143	-18.893
150	37B_Biased	62.706	83.960	-21.254
150	39C_Biased	63.318	84.273	-20.955
150	118A_Unbiased	60.574	82.641	-22.067
150	140A_Unbiased	65.673	83.728	-18.055
150	38B_Unbiased	61.884	85.341	-23.457
150	39B_Unbiased	62.696	83.682	-20.986
150	40C_Unbiased	61.751	85.338	-23.587
	Max	67.949	85.341	-16.284
	Average	63.243	83.981	-20.738
	Min	60.574	82.143	-23.587
	Std Dev	2.007	0.990	2.208

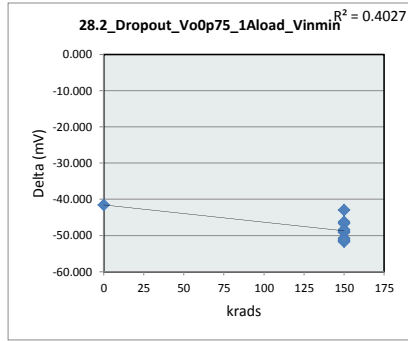


28.1_Dropout_VoOp9_Op5Aload		
krads	0	150
LL	0.000	0.000
Min	84.233	82.143
Average	84.233	83.956
Max	84.233	85.341
UL	230.000	230.000

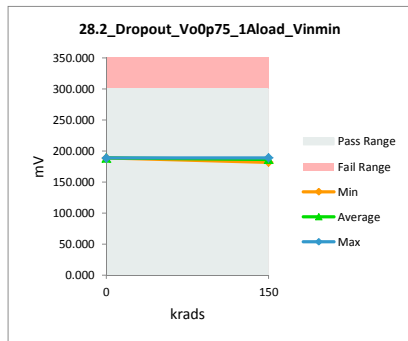


TID 150k HDR Rebound Report
TPS7H3301-SP

28.2_Dropout_VoOp75_1Aload_Vin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	147.181	188.697	-41.516
150	116A_Biased	136.634	185.460	-48.826
150	117A_Biased	137.397	186.587	-49.190
150	36B_biased	137.382	183.629	-46.247
150	37B_Biased	136.666	188.402	-51.736
150	39C_Biased	137.541	188.848	-51.307
150	118A_Unbiased	134.920	181.563	-46.643
150	140A_Unbiased	142.346	185.341	-42.995
150	38B_Unbiased	138.884	187.227	-48.343
150	39B_Unbiased	136.906	187.685	-50.779
150	40C_Unbiased	136.267	187.579	-51.312
	Max	147.181	188.848	-41.516
	Average	138.375	186.456	-48.081
	Min	134.920	181.563	-51.736
	Std Dev	3.474	2.282	3.431

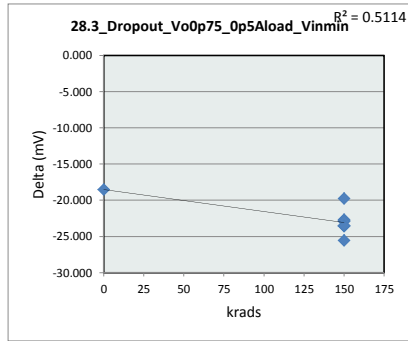


28.2_Dropout_VoOp75_1Aload_Vinmin		
krads	0	150
LL	0.000	0.000
Min	188.697	181.563
Average	188.697	186.232
Max	188.697	188.848
UL	300.000	300.000

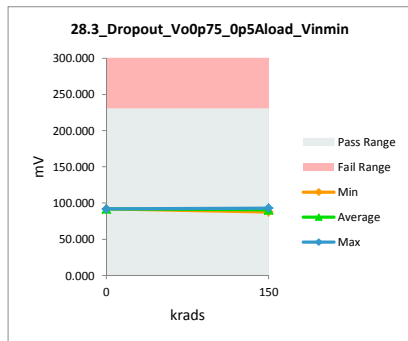


TID 150k HDR Rebound Report
TPS7H3301-SP

28.3_Dropout_VoOp75_0p5Aload_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	73.425	91.931	-18.506
150	116A_Biased	66.335	89.000	-22.665
150	117A_Biased	67.210	90.037	-22.827
150	36B_biased	66.130	89.701	-23.571
150	37B_Biased	68.002	91.522	-23.520
150	39C_Biased	68.596	92.141	-23.545
150	118A_Unbiased	67.842	87.624	-19.782
150	140A_Unbiased	68.439	91.350	-22.911
150	38B_Unbiased	67.348	92.907	-25.559
150	39B_Unbiased	68.198	91.094	-22.896
150	40C_Unbiased	67.396	90.911	-23.515
	Max	73.425	92.907	-18.506
	Average	68.084	90.747	-22.663
	Min	66.130	87.624	-25.559
	Std Dev	1.940	1.534	1.928

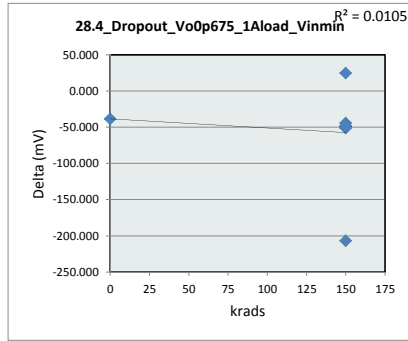


28.3_Dropout_VoOp75_0p5Aload_Vinmin		
krads	0	150
LL	0.000	0.000
Min	91.931	87.624
Average	91.931	90.629
Max	91.931	92.907
UL	230.000	230.000

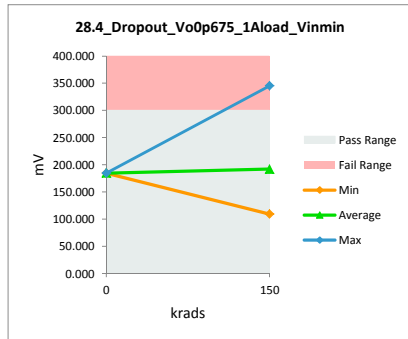


TID 150k HDR Rebound Report
TPS7H3301-SP

28.4_Dropout_VoOp675_1Aload_Vi				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		300	300	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	145.864	184.610	-38.746
150	116A_Biased	131.991	181.569	-49.578
150	117A_Biased	133.089	182.461	-49.372
150	36B_biased	133.676	109.209	24.467
150	37B_Biased	135.368	184.205	-48.837
150	39C_Biased	136.412	185.521	-49.109
150	118A_Unbiased	133.750	177.884	-44.134
150	140A_Unbiased	138.382	345.393	-207.011
150	38B_Unbiased	134.957	186.112	-51.155
150	39B_Unbiased	133.477	183.722	-50.245
150	40C_Unbiased	134.925	183.347	-48.422
	Max	145.864	345.393	24.467
	Average	135.626	191.276	-55.649
	Min	131.991	109.209	-207.011
	Std Dev	3.816	55.779	54.785

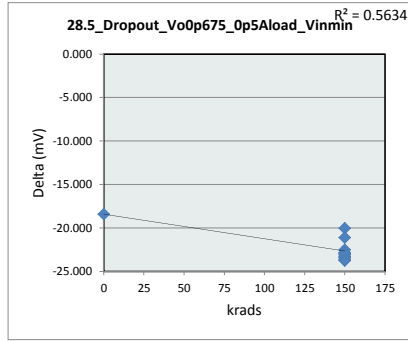


28.4_Dropout_VoOp675_1Aload_Vi		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	300	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	184.610	109.209
Average	184.610	191.942
Max	184.610	345.393
UL	300.000	300.000

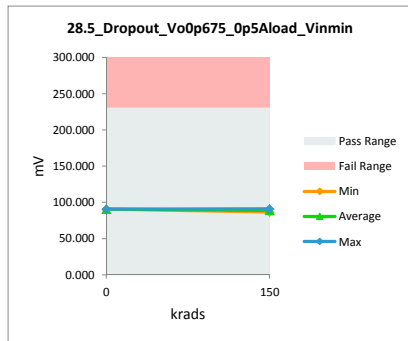


TID 150k HDR Rebound Report
TPS7H3301-SP

28.5_Dropout_VoOp675_Op5Aload				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	72.160	90.571	-18.411
150	116A_Biased	65.257	87.765	-22.508
150	117A_Biased	66.126	88.980	-22.854
150	36B_biased	65.194	88.820	-23.626
150	37B_Biased	66.716	90.043	-23.327
150	39C_Biased	67.461	90.894	-23.433
150	118A_Unbiased	66.561	86.599	-20.038
150	140A_Unbiased	67.164	88.281	-21.117
150	38B_Unbiased	66.140	89.240	-23.100
150	39B_Unbiased	67.198	90.144	-22.946
150	40C_Unbiased	66.160	89.925	-23.765
	Max	72.160	90.894	-18.411
	Average	66.922	89.206	-22.284
	Min	65.194	86.599	-23.765
	Std Dev	1.887	1.294	1.711

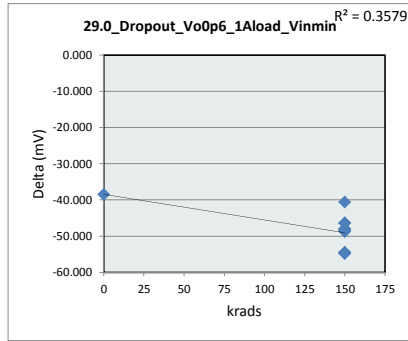


28.5_Dropout_VoOp675_Op5A		
krads	0	150
LL	0.000	0.000
Min	90.571	86.599
Average	90.571	89.069
Max	90.571	90.894
UL	230.000	230.000

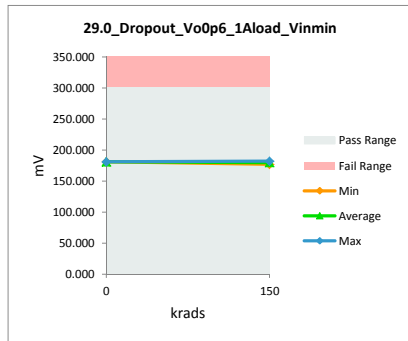


TID 150k HDR Rebound Report
TPS7H3301-SP

29.0_Dropout_VoOp6_1Aload_Vinmin				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	142.290	180.787	-38.497
150	116A_Biased	123.521	178.032	-54.511
150	117A_Biased	124.817	179.290	-54.473
150	36B_biased	132.450	178.766	-46.316
150	37B_Biased	131.781	180.475	-48.694
150	39C_Biased	132.495	181.096	-48.601
150	118A_Unbiased	121.886	176.708	-54.822
150	140A_Unbiased	137.576	178.122	-40.546
150	38B_Unbiased	133.827	181.986	-48.159
150	39B_Unbiased	132.357	180.295	-47.938
150	40C_Unbiased	133.475	179.897	-46.422
	Max	142.290	181.986	-38.497
	Average	131.498	179.587	-48.089
	Min	121.886	176.708	-54.822
	Std Dev	6.051	1.564	5.318

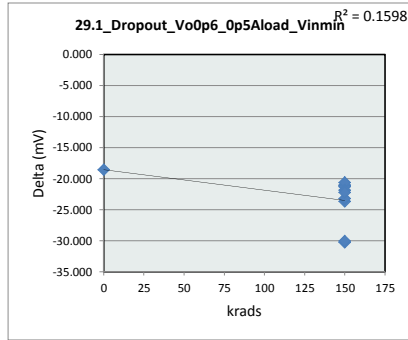


29.0_Dropout_VoOp6_1Aload		
krads	0	150
LL	0.000	0.000
Min	180.787	176.708
Average	180.787	179.467
Max	180.787	181.986
UL	300.000	300.000

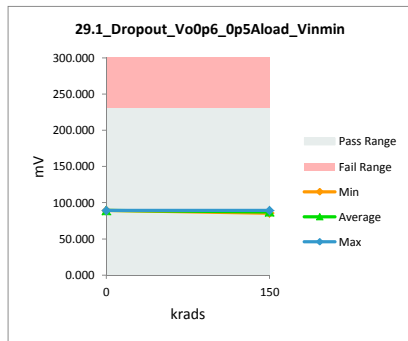


TID 150k HDR Rebound Report
TPS7H3301-SP

29.1_Dropout_VoOp6_Op5Aload_Vi				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mV	mV	
Max Limit		230	230	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	70.685	89.256	-18.571
150	116A_Biased	56.276	86.542	-30.266
150	117A_Biased	57.447	87.526	-30.079
150	36B_biased	66.061	87.214	-21.153
150	37B_Biased	65.556	89.214	-23.658
150	39C_Biased	66.264	87.290	-21.026
150	118A_Unbiased	64.086	85.369	-21.283
150	140A_Unbiased	65.959	86.582	-20.623
150	38B_Unbiased	64.892	88.111	-23.219
150	39B_Unbiased	65.961	87.850	-21.889
150	40C_Unbiased	64.991	87.226	-22.235
Max		70.685	89.256	-18.571
Average		64.380	87.471	-23.091
Min		56.276	85.369	-30.266
Std Dev		4.086	1.141	3.750

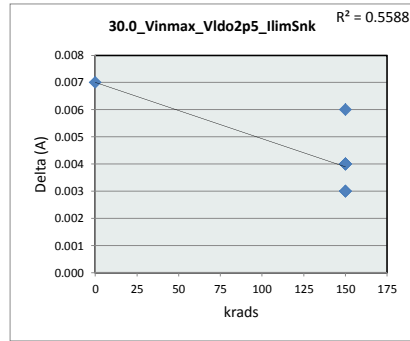


29.1_Dropout_VoOp6_Op5Aload		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	230	mV
Min Limit	0	mV
krads	0	150
LL	0.000	0.000
Min	89.256	85.369
Average	89.256	87.292
Max	89.256	89.214
UL	230.000	230.000

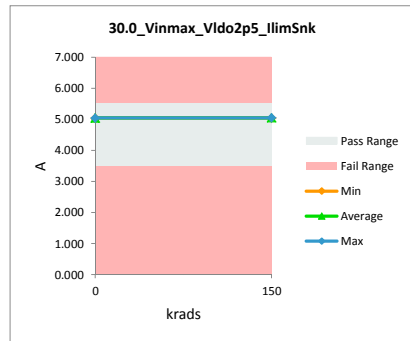


TID 150k HDR Rebound Report
TPS7H3301-SP

30.0_Vinmax_Vldo2p5_IlimSnk				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		A	A	
Max Limit		5.5	5.5	
Min Limit		3.5	3.5	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.048	5.041	0.007
150	116A_Biased	5.048	5.044	0.004
150	117A_Biased	5.047	5.043	0.004
150	36B_biased	5.047	5.044	0.003
150	37B_Biased	5.048	5.044	0.004
150	39C_Biased	5.047	5.044	0.003
150	118A_Unbiased	5.048	5.044	0.004
150	140A_Unbiased	5.049	5.043	0.006
150	38B_Unbiased	5.047	5.043	0.004
150	39B_Unbiased	5.048	5.045	0.003
150	40C_Unbiased	5.046	5.042	0.004
Max		5.049	5.045	0.007
Average		5.048	5.043	0.004
Min		5.046	5.041	0.003
Std Dev		0.001	0.001	0.001

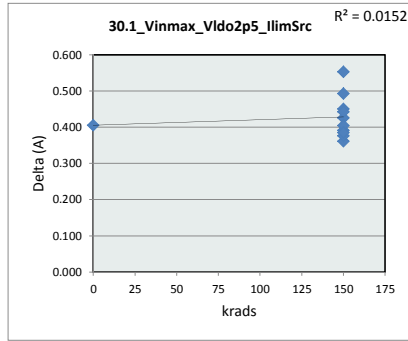


30.0_Vinmax_Vldo2p5_IlimSnk		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	5.5	A
Min Limit	3.5	A
krads	0	150
LL	3.500	3.500
Min	5.041	5.042
Average	5.041	5.044
Max	5.041	5.045
UL	5.500	5.500

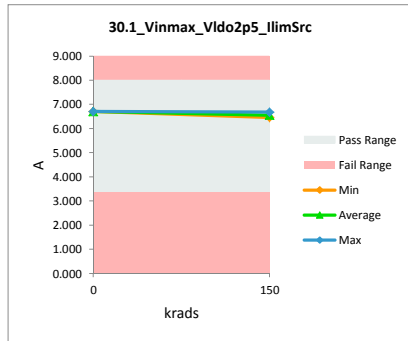


TID 150k HDR Rebound Report
TPS7H3301-SP

30.1_Vinmax_Vldo2p5_IlimSrc				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	7.109	6.704	0.405
150	116A_Biased	6.927	6.566	0.361
150	117A_Biased	6.981	6.605	0.376
150	36B_biased	6.911	6.485	0.426
150	37B_Biased	6.851	6.460	0.391
150	39C_Biased	7.173	6.620	0.553
150	118A_Unbiased	6.875	6.471	0.404
150	140A_Unbiased	6.898	6.513	0.385
150	38B_Unbiased	6.947	6.497	0.450
150	39B_Unbiased	7.123	6.681	0.442
150	40C_Unbiased	7.095	6.602	0.493
	Max	7.173	6.704	0.553
	Average	6.990	6.564	0.426
	Min	6.851	6.460	0.361
	Std Dev	0.114	0.085	0.057

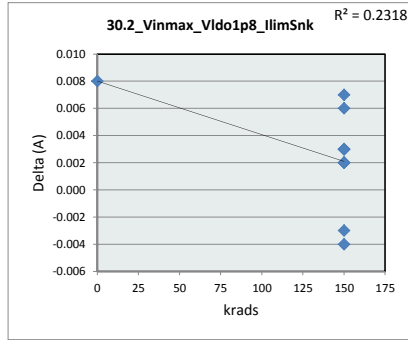


30.1_Vinmax_Vldo2p5_IlimSrc		
krads	0	150
LL	3.350	3.350
Min	6.704	6.460
Average	6.704	6.550
Max	6.704	6.681
UL	8.000	8.000

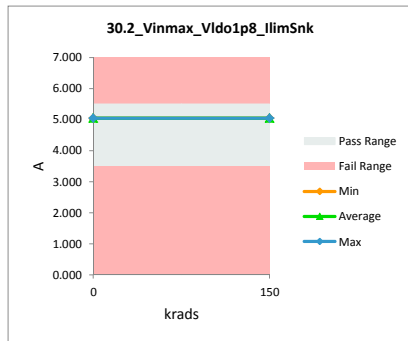


TID 150k HDR Rebound Report
TPS7H3301-SP

30.2_Vinmax_Vldo1p8_IlimSnk				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		A	A	
Max Limit		5.5	5.5	
Min Limit		3.5	3.5	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.051	5.043	0.008
150	116A_Biased	5.051	5.045	0.006
150	117A_Biased	5.046	5.043	0.003
150	36B_biased	5.048	5.046	0.002
150	37B_Biased	5.042	5.045	-0.003
150	39C_Biased	5.047	5.045	0.002
150	118A_Unbiased	5.040	5.044	-0.004
150	140A_Unbiased	5.052	5.045	0.007
150	38B_Unbiased	5.047	5.044	0.003
150	39B_Unbiased	5.047	5.045	0.002
150	40C_Unbiased	5.046	5.043	0.003
	Max	5.052	5.046	0.008
	Average	5.047	5.044	0.003
	Min	5.040	5.043	-0.004
	Std Dev	0.004	0.001	0.004

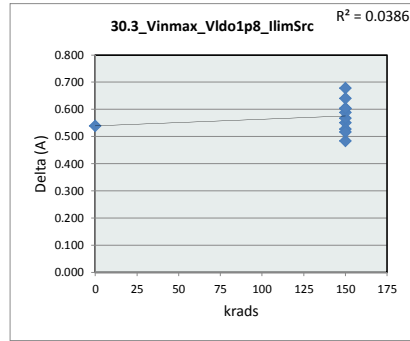


30.2_Vinmax_Vldo1p8_IlimSnk		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	5.5	A
Min Limit	3.5	A
krads	0	150
LL	3.500	3.500
Min	5.043	5.043
Average	5.043	5.045
Max	5.043	5.046
UL	5.500	5.500

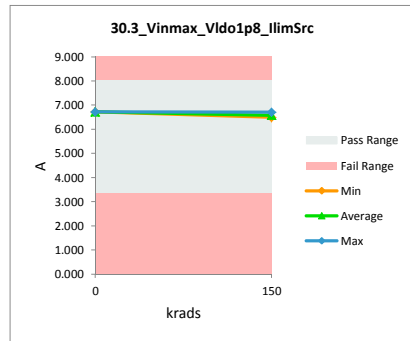


TID 150k HDR Rebound Report
TPS7H3301-SP

30.3_Vinmax_Vldo1p8_IlimSrc				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		A	A	
Max Limit		8	8	
Min Limit		3.35	3.35	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	7.258	6.719	0.539
150	116A_Biased	7.096	6.612	0.484
150	117A_Biased	7.209	6.606	0.603
150	36B_biased	7.078	6.527	0.551
150	37B_Biased	7.018	6.491	0.527
150	39C_Biased	7.311	6.633	0.678
150	118A_Unbiased	7.081	6.513	0.568
150	140A_Unbiased	7.060	6.543	0.517
150	38B_Unbiased	7.122	6.533	0.589
150	39B_Unbiased	7.309	6.705	0.604
150	40C_Unbiased	7.259	6.618	0.641
	Max	7.311	6.719	0.678
	Average	7.164	6.591	0.573
	Min	7.018	6.491	0.484
	Std Dev	0.107	0.076	0.057

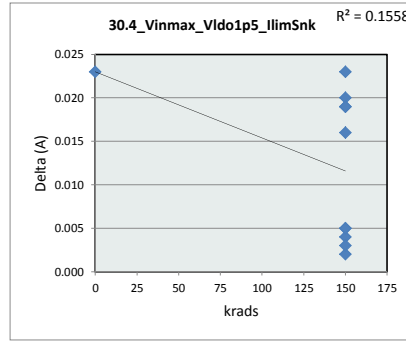


30.3_Vinmax_Vldo1p8_IlimSrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	A
Min Limit	3.35	A
krads	0	150
LL	3.350	3.350
Min	6.719	6.491
Average	6.719	6.578
Max	6.719	6.705
UL	8.000	8.000

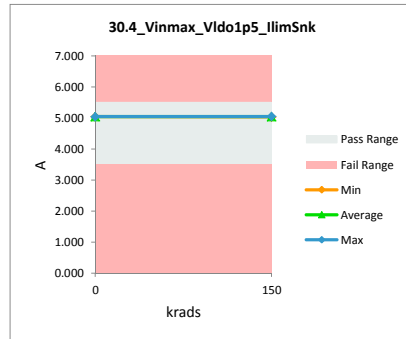


TID 150k HDR Rebound Report
TPS7H3301-SP

30.4_Vinmax_Vldo1p5_IlimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.063	5.040	0.023
150	116A_Biased	5.048	5.029	0.019
150	117A_Biased	5.048	5.028	0.020
150	36B_biased	5.048	5.029	0.019
150	37B_Biased	5.048	5.043	0.005
150	39C_Biased	5.048	5.046	0.002
150	118A_Unbiased	5.048	5.044	0.004
150	140A_Unbiased	5.065	5.042	0.023
150	38B_Unbiased	5.047	5.042	0.005
150	39B_Unbiased	5.048	5.045	0.003
150	40C_Unbiased	5.047	5.031	0.016
	Max	5.065	5.046	0.023
	Average	5.051	5.038	0.013
	Min	5.047	5.028	0.002
	Std Dev	0.007	0.007	0.009

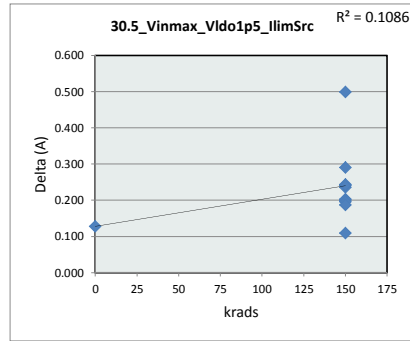


30.4_Vinmax_Vldo1p5_IlimSnk		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	5.5	A
Min Limit	3.5	A
krads	0	150
LL	3.500	3.500
Min	5.040	5.028
Average	5.040	5.038
Max	5.040	5.046
UL	5.500	5.500

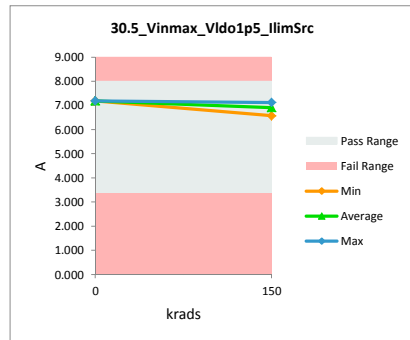


TID 150k HDR Rebound Report
TPS7H3301-SP

30.5_Vinmax_Vldo1p5_IlimSrc				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		A	A	
Max Limit		8	8	
Min Limit		3.35	3.35	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	7.317	7.189	0.128
150	116A_Biased	7.090	6.981	0.109
150	117A_Biased	7.191	6.947	0.244
150	36B_biased	7.083	6.883	0.200
150	37B_Biased	7.011	6.775	0.236
150	39C_Biased	7.311	7.070	0.241
150	118A_Unbiased	7.074	6.575	0.499
150	140A_Unbiased	7.059	6.856	0.203
150	38B_Unbiased	7.117	6.827	0.290
150	39B_Unbiased	7.320	7.124	0.196
150	40C_Unbiased	7.260	7.073	0.187
	Max	7.320	7.189	0.499
	Average	7.167	6.936	0.230
	Min	7.011	6.575	0.109
	Std Dev	0.117	0.178	0.103

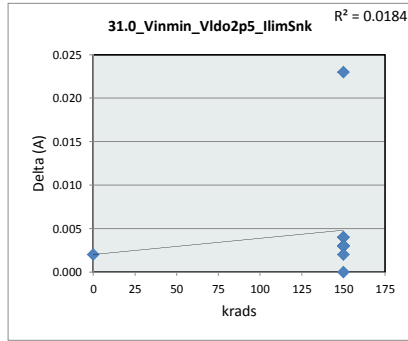


30.5_Vinmax_Vldo1p5_IlimSrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	A
Min Limit	3.35	A
krads	0	150
LL	3.350	3.350
Min	7.189	6.575
Average	7.189	6.911
Max	7.189	7.124
UL	8.000	8.000

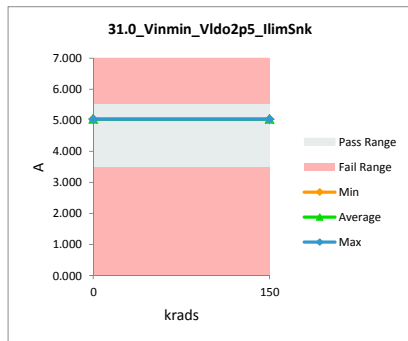


TID 150k HDR Rebound Report
TPS7H3301-SP

31.0_Vinmin_Vldo2p5_IlimSnk				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		A	A	
Max Limit		5.5	5.5	
Min Limit		3.5	3.5	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.035	5.033	0.002
150	116A_Biased	5.035	5.032	0.003
150	117A_Biased	5.035	5.032	0.003
150	36B_biased	5.035	5.032	0.003
150	37B_Biased	5.035	5.031	0.004
150	39C_Biased	5.035	5.031	0.004
150	118A_Unbiased	5.035	5.032	0.003
150	140A_Unbiased	5.053	5.030	0.023
150	38B_Unbiased	5.035	5.032	0.003
150	39B_Unbiased	5.035	5.033	0.002
150	40C_Unbiased	5.034	5.034	0.000
	Max	5.053	5.034	0.023
	Average	5.037	5.032	0.005
	Min	5.034	5.030	0.000
	Std Dev	0.005	0.001	0.006

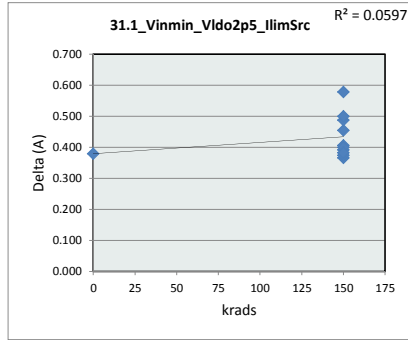


31.0_Vinmin_Vldo2p5_IlimSnk		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	5.5	A
Min Limit	3.5	A
krads	0	150
LL	3.500	3.500
Min	5.033	5.030
Average	5.033	5.032
Max	5.033	5.034
UL	5.500	5.500

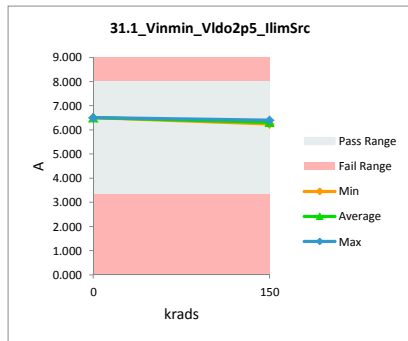


TID 150k HDR Rebound Report
TPS7H3301-SP

31.1_Vinmin_Vldo2p5_IlimSrc				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		A	A	
Max Limit		8	8	
Min Limit		3.35	3.35	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	6.883	6.504	0.379
150	116A_Biased	6.724	6.333	0.391
150	117A_Biased	6.781	6.375	0.406
150	36B_biased	6.657	6.291	0.366
150	37B_Biased	6.614	6.240	0.374
150	39C_Biased	6.933	6.355	0.578
150	118A_Unbiased	6.664	6.264	0.400
150	140A_Unbiased	6.647	6.265	0.382
150	38B_Unbiased	6.698	6.244	0.454
150	39B_Unbiased	6.888	6.401	0.487
150	40C_Unbiased	6.880	6.380	0.500
	Max	6.933	6.504	0.578
	Average	6.761	6.332	0.429
	Min	6.614	6.240	0.366
	Std Dev	0.116	0.081	0.068

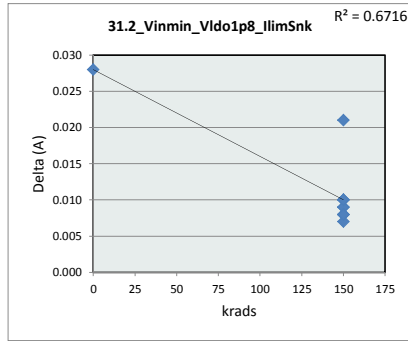


31.1_Vinmin_Vldo2p5_IlimSrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	A
Min Limit	3.35	A
krads	0	150
LL	3.350	3.350
Min	6.504	6.240
Average	6.504	6.315
Max	6.504	6.401
UL	8.000	8.000

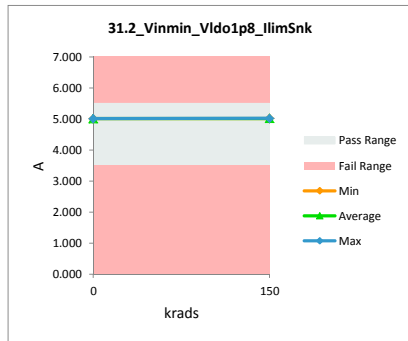


TID 150k HDR Rebound Report
TPS7H3301-SP

31.2_Vinmin_Vldo1p8_IlimSnk				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		A	A	
Max Limit		5.5	5.5	
Min Limit		3.5	3.5	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.039	5.011	0.028
150	116A_Biased	5.024	5.015	0.009
150	117A_Biased	5.023	5.015	0.008
150	36B_biased	5.023	5.015	0.008
150	37B_Biased	5.024	5.014	0.010
150	39C_Biased	5.024	5.017	0.007
150	118A_Unbiased	5.024	5.014	0.010
150	140A_Unbiased	5.038	5.017	0.021
150	38B_Unbiased	5.024	5.015	0.009
150	39B_Unbiased	5.024	5.014	0.010
150	40C_Unbiased	5.023	5.015	0.008
Max		5.039	5.017	0.028
Average		5.026	5.015	0.012
Min		5.023	5.011	0.007
Std Dev		0.006	0.002	0.007

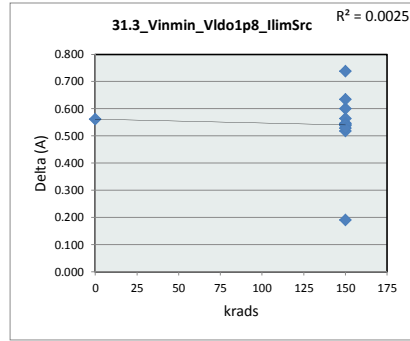


31.2_Vinmin_Vldo1p8_IlimSnk		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	5.5	A
Min Limit	3.5	A
krads	0	150
LL	3.500	3.500
Min	5.011	5.014
Average	5.011	5.015
Max	5.011	5.017
UL	5.500	5.500

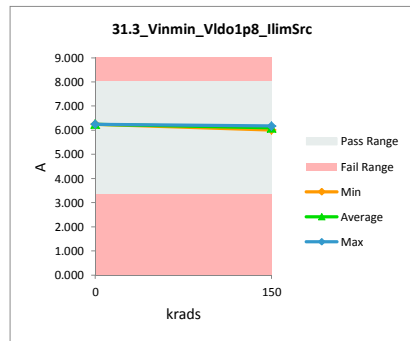


TID 150k HDR Rebound Report
TPS7H3301-SP

31.3_Vinmin_Vldo1p8_IlimSrc				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		A	A	
Max Limit		8	8	
Min Limit		3.35	3.35	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	6.811	6.249	0.562
150	116A_Biased	6.647	6.129	0.518
150	117A_Biased	6.692	6.128	0.564
150	36B_biased	6.607	6.061	0.546
150	37B_Biased	6.548	6.010	0.538
150	39C_Biased	6.860	6.122	0.738
150	118A_Unbiased	6.602	6.059	0.543
150	140A_Unbiased	6.599	6.071	0.528
150	38B_Unbiased	6.654	6.054	0.600
150	39B_Unbiased	6.368	6.178	0.190
150	40C_Unbiased	6.783	6.149	0.634
Max		6.860	6.249	0.738
Average		6.652	6.110	0.542
Min		6.368	6.010	0.190
Std Dev		0.136	0.068	0.133

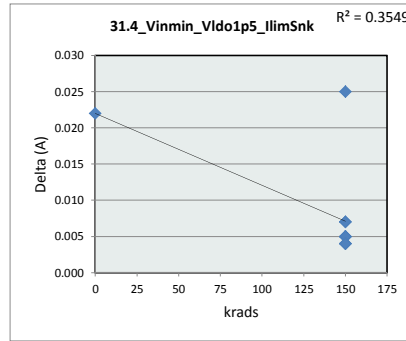


31.3_Vinmin_Vldo1p8_IlimSrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	A
Min Limit	3.35	A
krads	0	150
LL	3.350	3.350
Min	6.249	6.010
Average	6.249	6.096
Max	6.249	6.178
UL	8.000	8.000

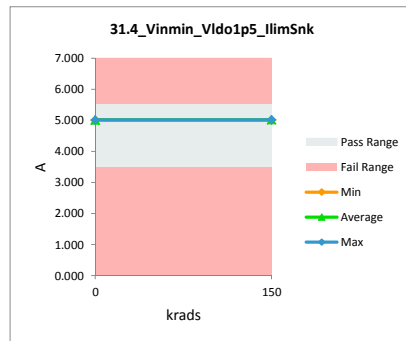


TID 150k HDR Rebound Report
TPS7H3301-SP

31.4_Vinmin_Vldo1p5_IlimSnk				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		A	A	
Max Limit		5.5	5.5	
Min Limit		3.5	3.5	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.032	5.010	0.022
150	116A_Biased	5.017	5.012	0.005
150	117A_Biased	5.016	5.012	0.004
150	36B_biased	5.016	5.011	0.005
150	37B_Biased	5.014	5.010	0.004
150	39C_Biased	5.016	5.011	0.005
150	118A_Unbiased	5.018	5.011	0.007
150	140A_Unbiased	5.037	5.012	0.025
150	38B_Unbiased	5.016	5.011	0.005
150	39B_Unbiased	5.017	5.010	0.007
150	40C_Unbiased	5.018	5.014	0.004
Max		5.037	5.014	0.025
Average		5.020	5.011	0.008
Min		5.014	5.010	0.004
Std Dev		0.007	0.001	0.008

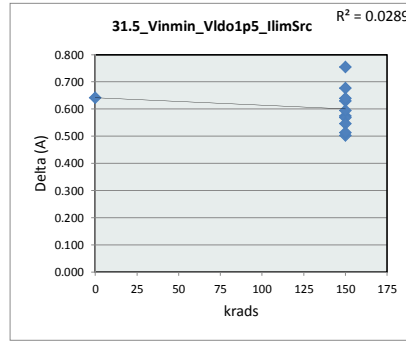


31.4_Vinmin_Vldo1p5_IlimSnk		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	5.5	A
Min Limit	3.5	A
krads	0	150
LL	3.500	3.500
Min	5.010	5.010
Average	5.010	5.011
Max	5.010	5.014
UL	5.500	5.500

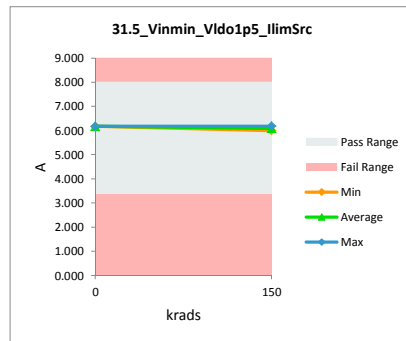


TID 150k HDR Rebound Report
TPS7H3301-SP

31.5_Vinmin_Vldo1p5_IlimSrc				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		A	A	
Max Limit		8	8	
Min Limit		3.35	3.35	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	6.818	6.176	0.642
150	116A_Biased	6.641	6.138	0.503
150	117A_Biased	6.704	6.130	0.574
150	36B_biased	6.631	6.062	0.569
150	37B_Biased	6.539	5.993	0.546
150	39C_Biased	6.874	6.119	0.755
150	118A_Unbiased	6.613	6.019	0.594
150	140A_Unbiased	6.587	6.074	0.513
150	38B_Unbiased	6.665	6.035	0.630
150	39B_Unbiased	6.857	6.180	0.677
150	40C_Unbiased	6.796	6.157	0.639
Max		6.874	6.180	0.755
Average		6.702	6.098	0.604
Min		6.539	5.993	0.503
Std Dev		0.116	0.065	0.075

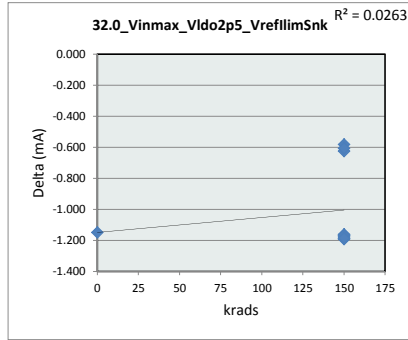


31.5_Vinmin_Vldo1p5_IlimSrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	8	A
Min Limit	3.35	A
krads	0	150
LL	3.350	3.350
Min	6.176	5.993
Average	6.176	6.091
Max	6.176	6.180
UL	8.000	8.000

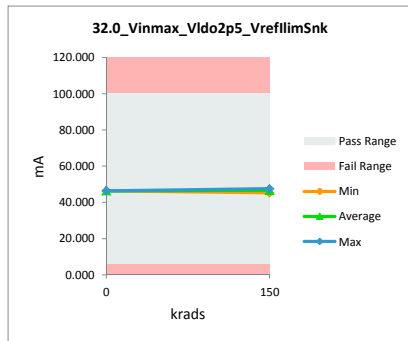


TID 150k HDR Rebound Report
TPS7H3301-SP

32.0_Vinmax_Vldo2p5_VreflimSnk				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	45.226	46.374	-1.148
150	116A_Biased	46.328	47.500	-1.172
150	117A_Biased	45.199	46.385	-1.186
150	36B_biased	46.332	47.493	-1.161
150	37B_Biased	46.312	47.505	-1.193
150	39C_Biased	45.203	46.374	-1.171
150	118A_Unbiased	45.752	46.378	-0.626
150	140A_Unbiased	45.788	46.370	-0.582
150	38B_Unbiased	45.215	46.380	-1.165
150	39B_Unbiased	45.771	46.378	-0.607
150	40C_Unbiased	44.080	45.267	-1.187
	Max	46.332	47.505	-0.582
	Average	45.564	46.582	-1.018
	Min	44.080	45.267	-1.193
	Std Dev	0.676	0.674	0.266

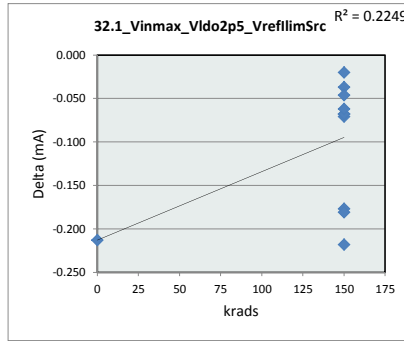


32.0_Vinmax_Vldo2p5_VreflimSnk		
krads	0	150
LL	6.000	6.000
Min	46.374	45.267
Average	46.374	46.603
Max	46.374	47.505
UL	100.000	100.000

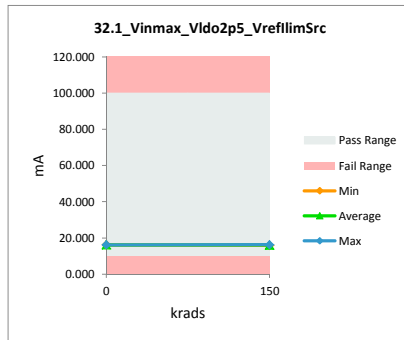


TID 150k HDR Rebound Report
TPS7H3301-SP

32.1_Vinmax_Vldo2p5_VreflimSrc				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		100	100	
Min Limit		10	10	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	15.950	16.163	-0.213
150	116A_Biased	16.157	16.225	-0.068
150	117A_Biased	15.917	16.135	-0.218
150	36B_biased	16.079	16.150	-0.071
150	37B_Biased	16.160	16.228	-0.068
150	39C_Biased	15.920	16.097	-0.177
150	118A_Unbiased	15.911	15.973	-0.062
150	140A_Unbiased	16.112	16.132	-0.020
150	38B_Unbiased	15.929	16.110	-0.181
150	39B_Unbiased	16.101	16.138	-0.037
150	40C_Unbiased	15.895	15.941	-0.046
	Max	16.160	16.228	-0.020
	Average	16.012	16.117	-0.106
	Min	15.895	15.941	-0.218
	Std Dev	0.108	0.090	0.075

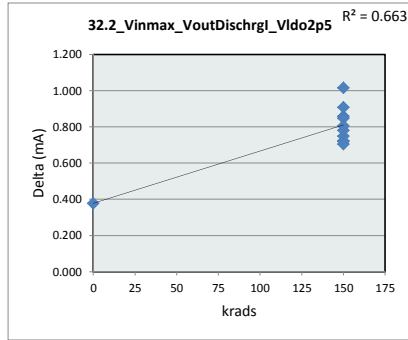


32.1_Vinmax_Vldo2p5_VreflimSrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	10	mA
krads	0	150
LL	10.000	10.000
Min	16.163	15.941
Average	16.163	16.113
Max	16.163	16.228
UL	100.000	100.000

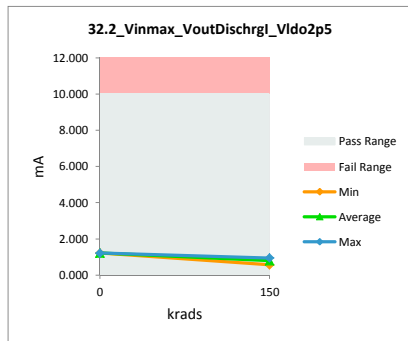


TID 150k HDR Rebound Report
TPS7H3301-SP

32.2_Vinmax_VoutDischrgI_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.598	1.221	0.377
150	116A_Biased	1.607	0.887	0.720
150	117A_Biased	1.616	0.868	0.748
150	36B_biased	1.603	0.822	0.781
150	37B_Biased	1.599	0.740	0.859
150	39C_Biased	1.592	0.684	0.908
150	118A_Unbiased	1.601	0.878	0.723
150	140A_Unbiased	1.653	0.949	0.704
150	38B_Unbiased	1.597	0.749	0.848
150	39B_Unbiased	1.619	0.814	0.805
150	40C_Unbiased	1.580	0.565	1.015
Max		1.653	1.221	1.015
Average		1.606	0.834	0.772
Min		1.580	0.565	0.377
Std Dev		0.019	0.167	0.161

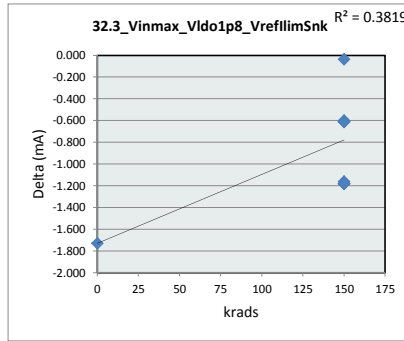


32.2_Vinmax_VoutDischrgI_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	1.221	0.565
Average	1.221	0.796
Max	1.221	0.949
UL	10.000	10.000

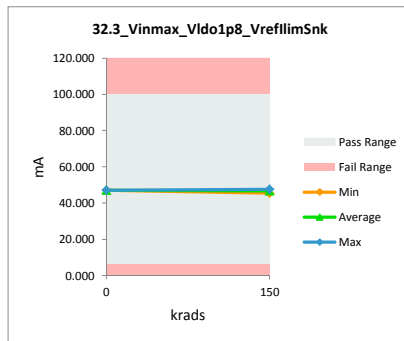


TID 150k HDR Rebound Report
TPS7H3301-SP

32.3_Vinmax_Vldo1p8_VreflimSnk				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	45.340	47.069	-1.729
150	116A_Biased	47.008	47.609	-0.601
150	117A_Biased	45.333	46.495	-1.162
150	36B_biased	47.010	47.613	-0.603
150	37B_Biased	46.433	47.616	-1.183
150	39C_Biased	45.322	46.500	-1.178
150	118A_Unbiased	45.886	46.494	-0.608
150	140A_Unbiased	46.460	46.497	-0.037
150	38B_Unbiased	45.892	46.499	-0.607
150	39B_Unbiased	45.888	46.502	-0.614
150	40C_Unbiased	44.204	45.387	-1.183
	Max	47.010	47.616	-0.037
	Average	45.889	46.753	-0.864
	Min	44.204	45.387	-1.729
	Std Dev	0.831	0.676	0.464

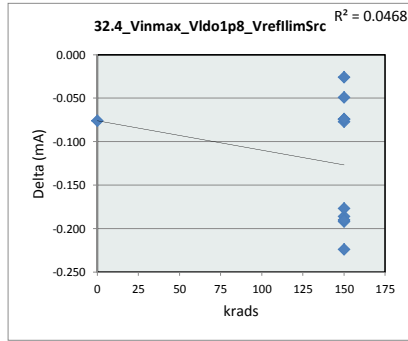


32.3_Vinmax_Vldo1p8_VreflimSnk		
krads	0	150
LL	6.000	6.000
Min	47.069	45.387
Average	47.069	46.721
Max	47.069	47.616
UL	100.000	100.000

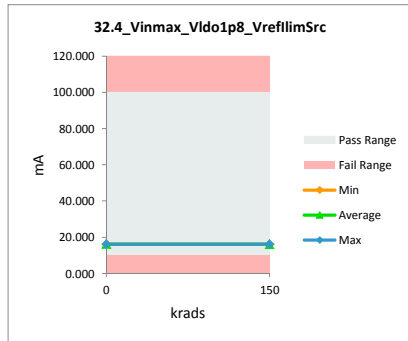


TID 150k HDR Rebound Report
TPS7H3301-SP

32.4_Vinmax_Vldo1p8_VreflimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	16.059	16.135	-0.076
150	116A_Biased	16.126	16.203	-0.077
150	117A_Biased	15.895	16.119	-0.224
150	36B_biased	16.054	16.128	-0.074
150	37B_Biased	16.126	16.200	-0.074
150	39C_Biased	15.889	16.075	-0.186
150	118A_Unbiased	15.880	16.072	-0.192
150	140A_Unbiased	16.084	16.110	-0.026
150	38B_Unbiased	15.901	16.091	-0.190
150	39B_Unbiased	16.070	16.119	-0.049
150	40C_Unbiased	15.870	16.047	-0.177
Max		16.126	16.203	-0.026
Average		15.996	16.118	-0.122
Min		15.870	16.047	-0.224
Std Dev		0.107	0.049	0.071

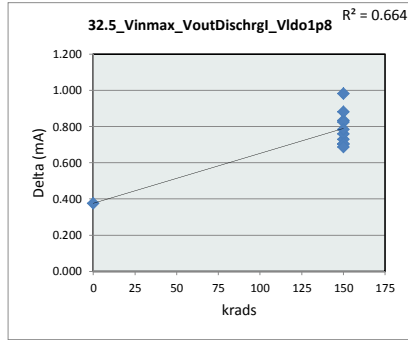


32.4_Vinmax_Vldo1p8_VreflimSrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	10	mA
krads	0	150
LL	10.000	10.000
Min	16.135	16.047
Average	16.135	16.116
Max	16.135	16.203
UL	100.000	100.000

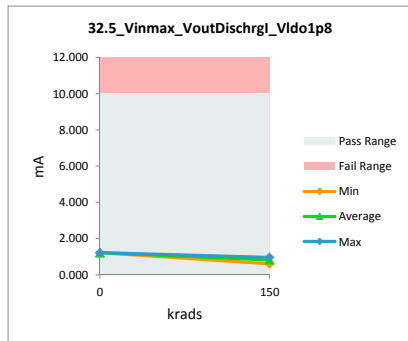


TID 150k HDR Rebound Report
TPS7H3301-SP

32.5_Vinmax_VoutDischrgI_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.597	1.221	0.376
150	116A_Biased	1.608	0.905	0.703
150	117A_Biased	1.617	0.888	0.729
150	36B_biased	1.604	0.844	0.760
150	37B_Biased	1.600	0.766	0.834
150	39C_Biased	1.594	0.712	0.882
150	118A_Unbiased	1.602	0.897	0.705
150	140A_Unbiased	1.652	0.965	0.687
150	38B_Unbiased	1.598	0.774	0.824
150	39B_Unbiased	1.620	0.836	0.784
150	40C_Unbiased	1.581	0.599	0.982
Max		1.652	1.221	0.982
Average		1.607	0.855	0.751
Min		1.581	0.599	0.376
Std Dev		0.018	0.159	0.153

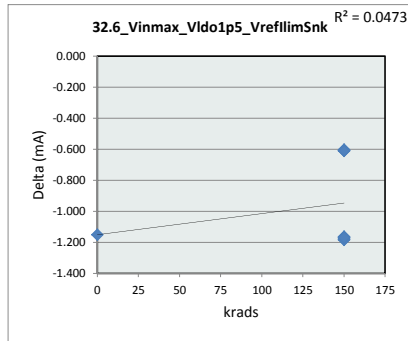


32.5_Vinmax_VoutDischrgI_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	1.221	0.599
Average	1.221	0.819
Max	1.221	0.965
UL	10.000	10.000

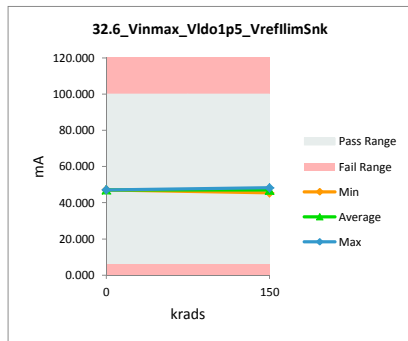


TID 150k HDR Rebound Report
TPS7H3301-SP

32.6_Vinmax_Vldo1p5_VreflimSnk				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	45.959	47.111	-1.152
150	116A_Biased	47.061	47.664	-0.603
150	117A_Biased	45.390	46.553	-1.163
150	36B_biased	47.058	48.243	-1.185
150	37B_Biased	46.499	47.666	-1.167
150	39C_Biased	45.950	47.123	-1.173
150	118A_Unbiased	45.942	46.551	-0.609
150	140A_Unbiased	46.507	47.115	-0.608
150	38B_Unbiased	45.943	46.554	-0.611
150	39B_Unbiased	45.942	47.125	-1.183
150	40C_Unbiased	44.273	45.443	-1.170
	Max	47.061	48.243	-0.603
	Average	46.048	47.013	-0.966
	Min	44.273	45.443	-1.185
	Std Dev	0.781	0.742	0.284

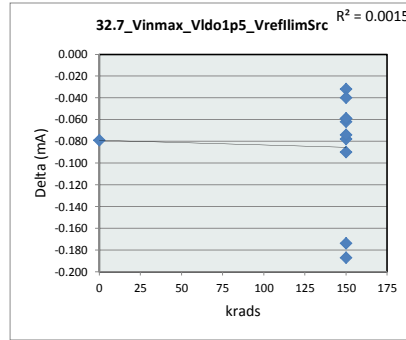


32.6_Vinmax_Vldo1p5_VreflimSnk		
krads	0	150
LL	6.000	6.000
Min	47.111	45.443
Average	47.111	47.004
Max	47.111	48.243
UL	100.000	100.000

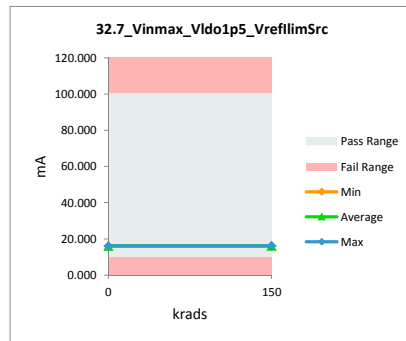


TID 150k HDR Rebound Report
TPS7H3301-SP

32.7_Vinmax_Vldo1p5_VreflimSrc				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		100	100	
Min Limit		10	10	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	16.043	16.122	-0.079
150	116A_Biased	16.113	16.191	-0.078
150	117A_Biased	16.017	16.107	-0.090
150	36B_biased	16.045	16.119	-0.074
150	37B_Biased	16.122	16.184	-0.062
150	39C_Biased	16.013	16.072	-0.059
150	118A_Unbiased	15.873	16.060	-0.187
150	140A_Unbiased	16.078	16.110	-0.032
150	38B_Unbiased	16.023	16.082	-0.059
150	39B_Unbiased	16.070	16.110	-0.040
150	40C_Unbiased	15.867	16.041	-0.174
	Max	16.122	16.191	-0.032
	Average	16.024	16.109	-0.085
	Min	15.867	16.041	-0.187
	Std Dev	0.084	0.047	0.050

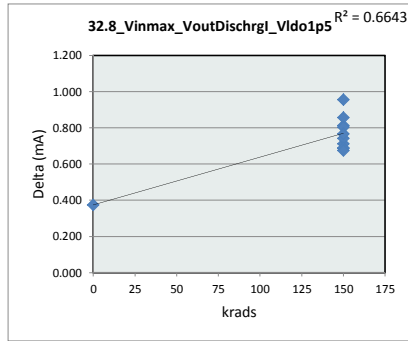


32.7_Vinmax_Vldo1p5_VreflimSrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	10	mA
krads	0	150
LL	10.000	10.000
Min	16.122	16.041
Average	16.122	16.108
Max	16.122	16.191
UL	100.000	100.000

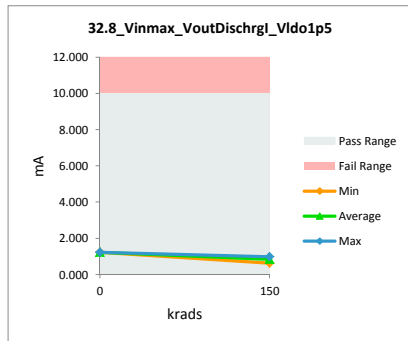


TID 150k HDR Rebound Report
TPS7H3301-SP

32.8_Vinmax_VoutDischrgl_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.599	1.225	0.374
150	116A_Biased	1.609	0.923	0.686
150	117A_Biased	1.619	0.907	0.712
150	36B_biased	1.605	0.863	0.742
150	37B_Biased	1.602	0.789	0.813
150	39C_Biased	1.595	0.738	0.857
150	118A_Unbiased	1.603	0.915	0.688
150	140A_Unbiased	1.654	0.980	0.674
150	38B_Unbiased	1.599	0.796	0.803
150	39B_Unbiased	1.622	0.856	0.766
150	40C_Unbiased	1.583	0.628	0.955
Max		1.654	1.225	0.955
Average		1.608	0.875	0.734
Min		1.583	0.628	0.374
Std Dev		0.019	0.152	0.146

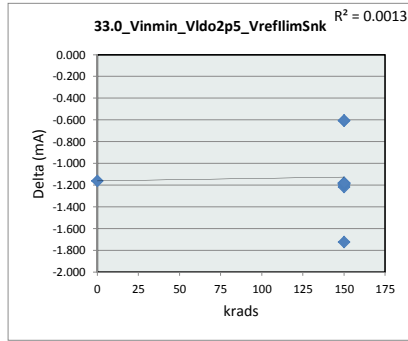


32.8_Vinmax_VoutDischrgl_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	1.225	0.628
Average	1.225	0.840
Max	1.225	0.980
UL	10.000	10.000

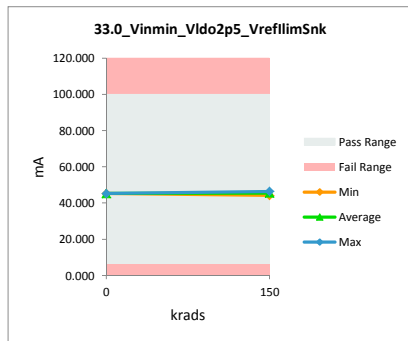


TID 150k HDR Rebound Report
TPS7H3301-SP

33.0_Vinmin_Vldo2p5_VrefllimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	6	6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	44.108	45.270	-1.162
150	116A_Biased	45.218	46.406	-1.188
150	117A_Biased	43.570	45.293	-1.723
150	36B_biased	45.218	46.400	-1.182
150	37B_Biased	45.204	46.420	-1.216
150	39C_Biased	44.094	45.277	-1.183
150	118A_Unbiased	44.680	45.288	-0.608
150	140A_Unbiased	44.666	45.270	-0.604
150	38B_Unbiased	44.095	45.292	-1.197
150	39B_Unbiased	44.102	45.282	-1.180
150	40C_Unbiased	42.983	44.164	-1.181
	Max	45.218	46.420	-0.604
	Average	44.358	45.487	-1.129
	Min	42.983	44.164	-1.723
	Std Dev	0.719	0.678	0.305

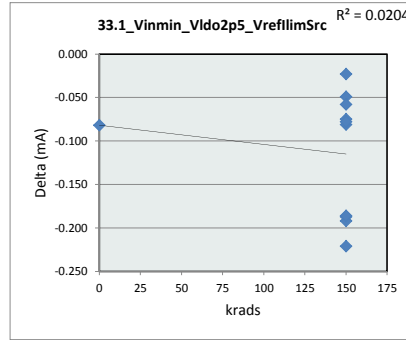


33.0_Vinmin_Vldo2p5_VrefllimSnk		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	6	mA
krads	0	150
LL	6.000	6.000
Min	45.270	44.164
Average	45.270	45.509
Max	45.270	46.420
UL	100.000	100.000

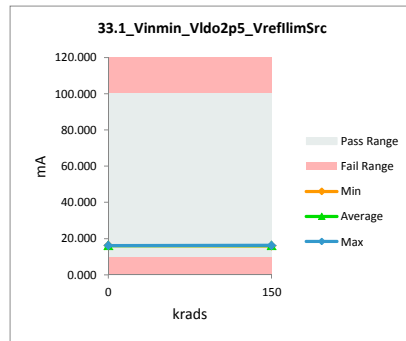


TID 150k HDR Rebound Report
TPS7H3301-SP

33.1_Vinmin_Vldo2p5_VreflimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	16.087	16.169	-0.082
150	116A_Biased	16.160	16.241	-0.081
150	117A_Biased	15.926	16.147	-0.221
150	36B_biased	16.091	16.166	-0.075
150	37B_Biased	16.166	16.244	-0.078
150	39C_Biased	15.923	16.110	-0.187
150	118A_Unbiased	15.908	16.100	-0.192
150	140A_Unbiased	16.121	16.144	-0.023
150	38B_Unbiased	15.933	16.119	-0.186
150	39B_Unbiased	16.104	16.153	-0.049
150	40C_Unbiased	15.905	15.963	-0.058
	Max	16.166	16.244	-0.023
	Average	16.029	16.141	-0.112
	Min	15.905	15.963	-0.221
	Std Dev	0.109	0.076	0.070

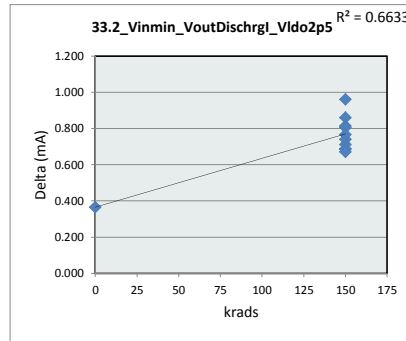


33.1_Vinmin_Vldo2p5_VreflimSrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	10	mA
krads	0	150
LL	10.000	10.000
Min	16.169	15.963
Average	16.169	16.139
Max	16.169	16.244
UL	100.000	100.000

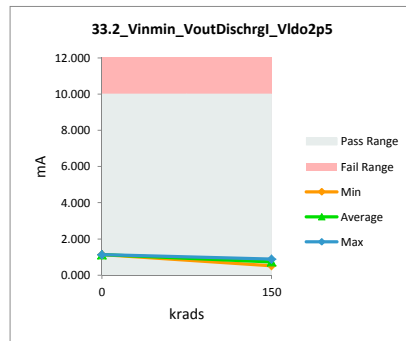


TID 150k HDR Rebound Report
TPS7H3301-SP

33.2_Vinmin_VoutDischrgl_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.497	1.132	0.365
150	116A_Biased	1.508	0.822	0.686
150	117A_Biased	1.518	0.806	0.712
150	36B_biased	1.503	0.763	0.740
150	37B_Biased	1.500	0.686	0.814
150	39C_Biased	1.493	0.633	0.860
150	118A_Unbiased	1.502	0.815	0.687
150	140A_Unbiased	1.551	0.880	0.671
150	38B_Unbiased	1.497	0.692	0.805
150	39B_Unbiased	1.520	0.754	0.766
150	40C_Unbiased	1.482	0.521	0.961
	Max	1.551	1.132	0.961
	Average	1.506	0.773	0.733
	Min	1.482	0.521	0.365
	Std Dev	0.018	0.156	0.150

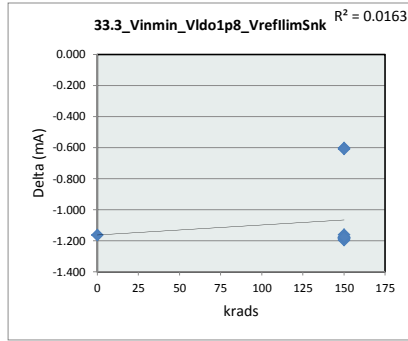


33.2_Vinmin_VoutDischrgl_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mA
Min Limit	0	mA
	krads	
	0	150
LL	0.000	0.000
Min	1.132	0.521
Average	1.132	0.737
Max	1.132	0.880
UL	10.000	10.000

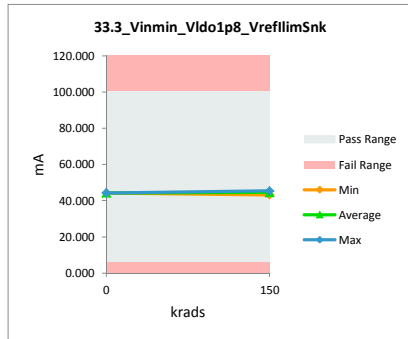


TID 150k HDR Rebound Report
TPS7H3301-SP

33.3_Vinmin_Vldo1p8_VrefflimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	6	6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	43.120	44.284	-1.164
150	116A_Biased	44.215	45.402	-1.187
150	117A_Biased	43.136	44.297	-1.161
150	36B_biased	44.221	45.398	-1.177
150	37B_Biased	44.230	45.419	-1.189
150	39C_Biased	43.109	44.290	-1.181
150	118A_Unbiased	43.687	44.289	-0.602
150	140A_Unbiased	43.674	44.282	-0.608
150	38B_Unbiased	43.102	44.298	-1.196
150	39B_Unbiased	43.112	44.289	-1.177
150	40C_Unbiased	41.996	43.174	-1.178
Max		44.230	45.419	-0.602
Average		43.418	44.493	-1.075
Min		41.996	43.174	-1.196
Std Dev		0.675	0.673	0.232

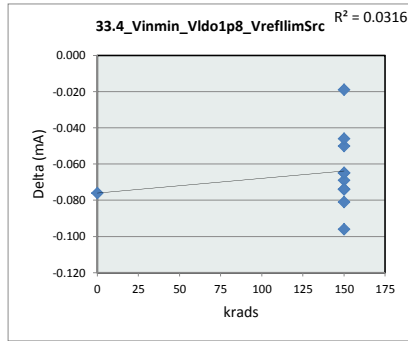


33.3_Vinmin_Vldo1p8_VrefflimSnk		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	6	mA
krads	0	150
LL	6.000	6.000
Min	44.284	43.174
Average	44.284	44.514
Max	44.284	45.419
UL	100.000	100.000

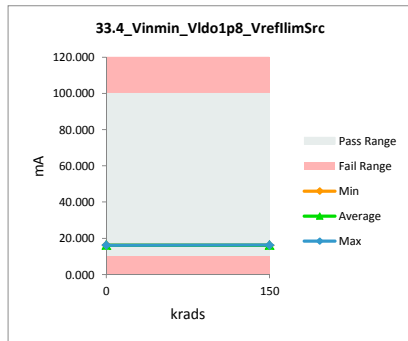


TID 150k HDR Rebound Report
TPS7H3301-SP

33.4_Vinmin_Vldo1p8_VreflimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	16.074	16.150	-0.076
150	116A_Biased	16.141	16.222	-0.081
150	117A_Biased	16.048	16.144	-0.096
150	36B_biased	16.073	16.147	-0.074
150	37B_Biased	16.150	16.219	-0.069
150	39C_Biased	16.038	16.103	-0.065
150	118A_Unbiased	16.023	16.097	-0.074
150	140A_Unbiased	16.109	16.128	-0.019
150	38B_Unbiased	16.048	16.113	-0.065
150	39B_Unbiased	16.094	16.144	-0.050
150	40C_Unbiased	16.023	16.069	-0.046
Max		16.150	16.222	-0.019
Average		16.075	16.140	-0.065
Min		16.023	16.069	-0.096
Std Dev		0.044	0.047	0.021

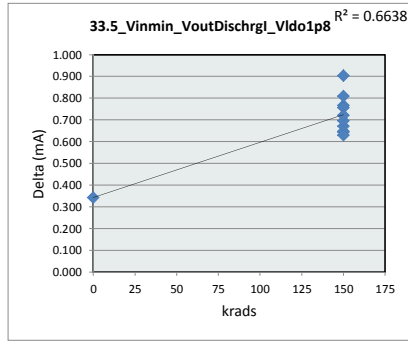


33.4_Vinmin_Vldo1p8_VreflimSrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	10	mA
krads	0	150
LL	10.000	10.000
Min	16.150	16.069
Average	16.150	16.139
Max	16.150	16.222
UL	100.000	100.000

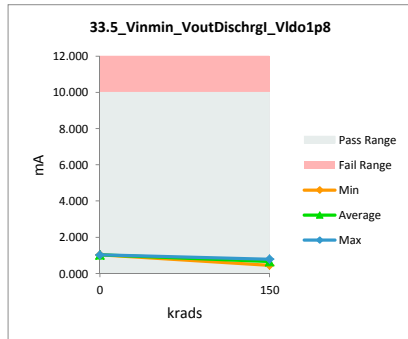


TID 150k HDR Rebound Report
TPS7H3301-SP

33.5_Vinmin_VoutDischrgl_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.365	1.022	0.343
150	116A_Biased	1.375	0.730	0.645
150	117A_Biased	1.388	0.717	0.671
150	36B_biased	1.372	0.676	0.696
150	37B_Biased	1.368	0.602	0.766
150	39C_Biased	1.360	0.551	0.809
150	118A_Unbiased	1.372	0.725	0.647
150	140A_Unbiased	1.415	0.785	0.630
150	38B_Unbiased	1.365	0.609	0.756
150	39B_Unbiased	1.388	0.667	0.721
150	40C_Unbiased	1.352	0.448	0.904
	Max	1.415	1.022	0.904
	Average	1.375	0.685	0.690
	Min	1.352	0.448	0.343
	Std Dev	0.017	0.147	0.141

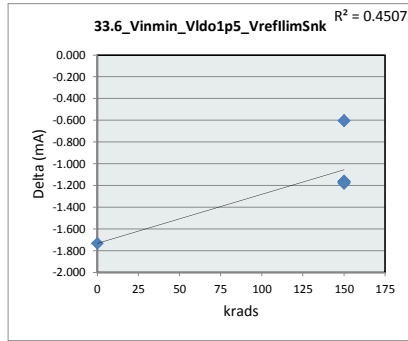


33.5_Vinmin_VoutDischrgl_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	1.022	0.448
Average	1.022	0.651
Max	1.022	0.785
UL	10.000	10.000

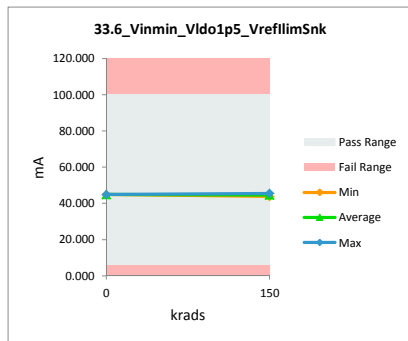


TID 150k HDR Rebound Report
TPS7H3301-SP

33.6_Vinmin_Vldo1p5_VrefllimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	6	6		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	43.180	44.913	-1.733
150	116A_Biased	44.282	45.448	-1.166
150	117A_Biased	43.171	44.336	-1.165
150	36B_biased	44.280	45.447	-1.167
150	37B_Biased	44.284	45.455	-1.171
150	39C_Biased	43.166	44.338	-1.172
150	118A_Unbiased	43.729	44.330	-0.601
150	140A_Unbiased	43.729	44.335	-0.606
150	38B_Unbiased	43.172	44.333	-1.161
150	39B_Unbiased	43.175	44.333	-1.158
150	40C_Unbiased	42.620	43.801	-1.181
	Max	44.284	45.455	-0.601
	Average	43.526	44.643	-1.116
	Min	42.620	43.801	-1.733
	Std Dev	0.569	0.575	0.305

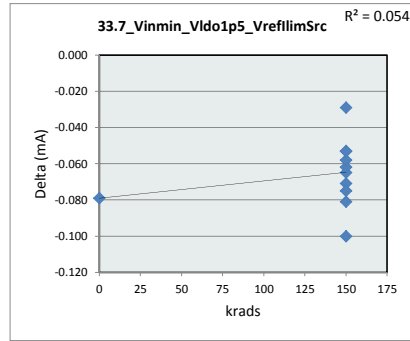


33.6_Vinmin_Vldo1p5_VrefllimSnk		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	6	mA
krads	0	150
LL	6.000	6.000
Min	44.913	43.801
Average	44.913	44.616
Max	44.913	45.455
UL	100.000	100.000

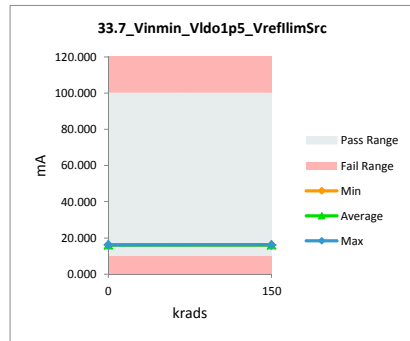


TID 150k HDR Rebound Report
TPS7H3301-SP

33.7_Vinmin_Vldo1p5_VreflimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	16.065	16.144	-0.079
150	116A_Biased	16.138	16.209	-0.071
150	117A_Biased	16.038	16.138	-0.100
150	36B_biased	16.063	16.144	-0.081
150	37B_Biased	16.138	16.213	-0.075
150	39C_Biased	16.026	16.091	-0.065
150	118A_Unbiased	16.020	16.082	-0.062
150	140A_Unbiased	16.099	16.128	-0.029
150	38B_Unbiased	16.042	16.100	-0.058
150	39B_Unbiased	16.085	16.138	-0.053
150	40C_Unbiased	16.010	16.063	-0.053
Max		16.138	16.213	-0.029
Average		16.066	16.132	-0.066
Min		16.010	16.063	-0.100
Std Dev		0.045	0.048	0.019

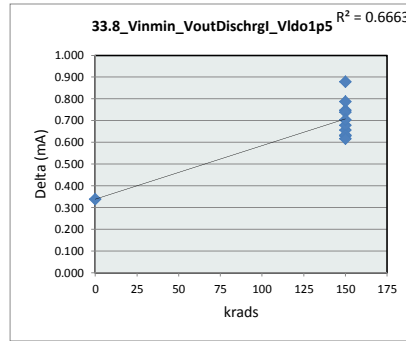


33.7_Vinmin_Vldo1p5_VreflimSrc		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	10	mA
krads	0	150
LL	10.000	10.000
Min	16.144	16.063
Average	16.144	16.131
Max	16.144	16.213
UL	100.000	100.000

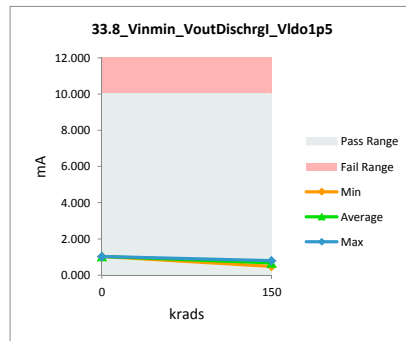


TID 150k HDR Rebound Report
TPS7H3301-SP

33.8_Vinmin_VoutDischrgl_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	1.365	1.026	0.339
150	116A_Biased	1.376	0.746	0.630
150	117A_Biased	1.390	0.733	0.657
150	36B_biased	1.374	0.695	0.679
150	37B_Biased	1.369	0.622	0.747
150	39C_Biased	1.361	0.573	0.788
150	118A_Unbiased	1.373	0.741	0.632
150	140A_Unbiased	1.416	0.799	0.617
150	38B_Unbiased	1.367	0.628	0.739
150	39B_Unbiased	1.389	0.685	0.704
150	40C_Unbiased	1.353	0.474	0.879
	Max	1.416	1.026	0.879
	Average	1.376	0.702	0.674
	Min	1.353	0.474	0.339
	Std Dev	0.017	0.141	0.136

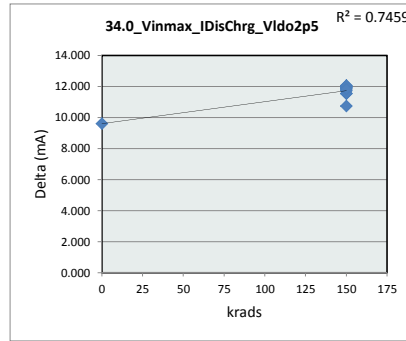


33.8_Vinmin_VoutDischrgl_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	10	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	1.026	0.474
Average	1.026	0.670
Max	1.026	0.799
UL	10.000	10.000

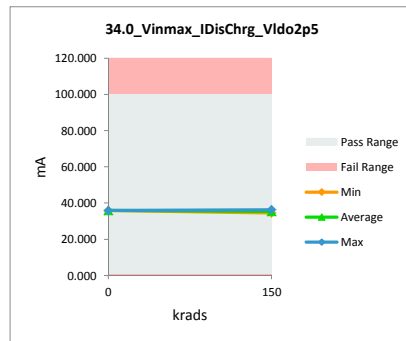


TID 150k HDR Rebound Report
TPS7H3301-SP

34.0_Vinmax_IDisChrg_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	45.470	35.875	9.595
150	116A_Biased	47.195	35.464	11.731
150	117A_Biased	47.495	35.613	11.882
150	36B_biased	47.018	35.481	11.537
150	37B_Biased	46.974	35.012	11.962
150	39C_Biased	46.672	34.742	11.930
150	118A_Unbiased	47.044	35.507	11.537
150	140A_Unbiased	47.021	36.290	10.731
150	38B_Unbiased	46.934	34.897	12.037
150	39B_Unbiased	47.553	35.490	12.063
150	40C_Unbiased	46.335	34.510	11.825
Max		47.553	36.290	12.063
Average		46.883	35.353	11.530
Min		45.470	34.510	9.595
Std Dev		0.578	0.519	0.743

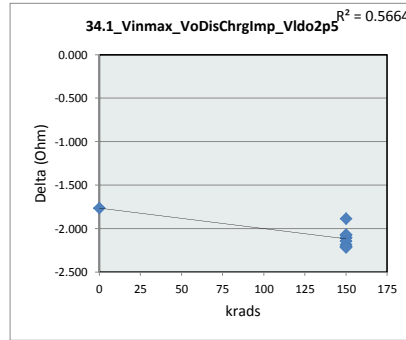


34.0_Vinmax_IDisChrg_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	1	mA
krads	0	150
LL	1.000	1.000
Min	35.875	34.510
Average	35.875	35.301
Max	35.875	36.290
UL	100.000	100.000

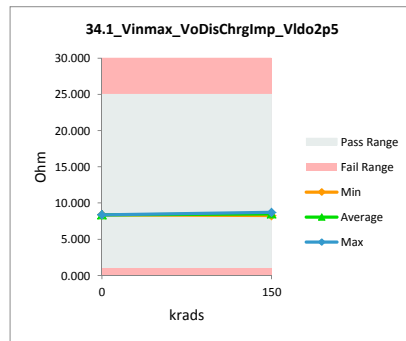


TID 150k HDR Rebound Report
TPS7H3301-SP

34.1_Vinmax_VoDisChrgImp_VIdo2p5				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	6.598	8.362	-1.764
150	116A_Biased	6.357	8.459	-2.102
150	117A_Biased	6.317	8.424	-2.107
150	36B_biased	6.381	8.455	-2.074
150	37B_Biased	6.386	8.569	-2.183
150	39C_Biased	6.428	8.635	-2.207
150	118A_Unbiased	6.377	8.449	-2.072
150	140A_Unbiased	6.380	8.267	-1.887
150	38B_Unbiased	6.392	8.597	-2.205
150	39B_Unbiased	6.309	8.453	-2.144
150	40C_Unbiased	6.475	8.693	-2.218
	Max	6.598	8.693	-1.764
	Average	6.400	8.488	-2.088
	Min	6.309	8.267	-2.218
	Std Dev	0.080	0.125	0.143

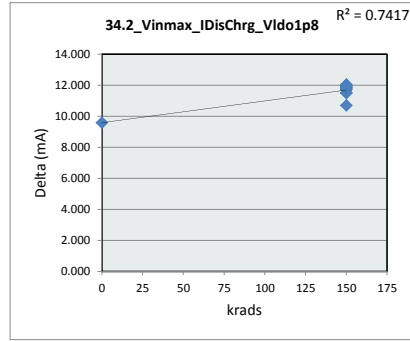


34.1_Vinmax_VoDisChrgImp_V		
krads	0	150
LL	1.000	1.000
Min	8.362	8.267
Average	8.362	8.500
Max	8.362	8.693
UL	25.000	25.000

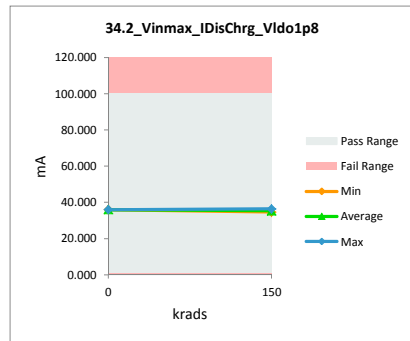


TID 150k HDR Rebound Report
TPS7H3301-SP

34.2_Vinmax_IDisChrg_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	45.523	35.937	9.586
150	116A_Biased	47.229	35.535	11.694
150	117A_Biased	47.537	35.686	11.851
150	36B_biased	47.056	35.556	11.500
150	37B_Biased	47.013	35.088	11.925
150	39C_Biased	46.704	34.819	11.885
150	118A_Unbiased	47.079	35.579	11.500
150	140A_Unbiased	47.058	36.361	10.697
150	38B_Unbiased	46.973	34.970	12.003
150	39B_Unbiased	47.592	35.565	12.027
150	40C_Unbiased	46.366	34.591	11.775
Max		47.592	36.361	12.027
Average		46.921	35.426	11.495
Min		45.523	34.591	9.586
Std Dev		0.575	0.516	0.735

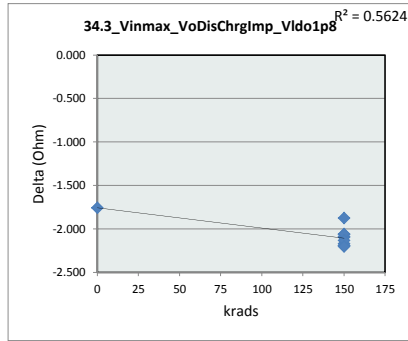


34.2_Vinmax_IDisChrg_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	1	mA
krads	0	150
LL	1.000	1.000
Min	35.937	34.591
Average	35.937	35.375
Max	35.937	36.361
UL	100.000	100.000

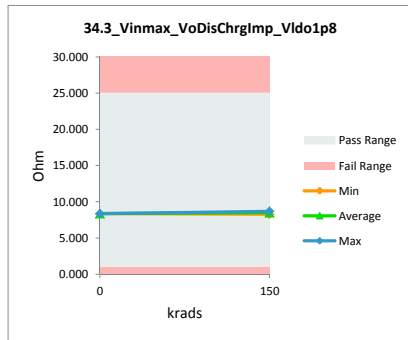


TID 150k HDR Rebound Report
TPS7H3301-SP

34.3_Vinmax_VoDisChrgImp_Vldo1p8				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	6.590	8.348	-1.758
150	116A_Biased	6.352	8.442	-2.090
150	117A_Biased	6.311	8.407	-2.096
150	36B_biased	6.375	8.437	-2.062
150	37B_Biased	6.381	8.550	-2.169
150	39C_Biased	6.423	8.616	-2.193
150	118A_Unbiased	6.372	8.432	-2.060
150	140A_Unbiased	6.375	8.251	-1.876
150	38B_Unbiased	6.387	8.579	-2.192
150	39B_Unbiased	6.304	8.435	-2.131
150	40C_Unbiased	6.470	8.673	-2.203
	Max	6.590	8.673	-1.758
	Average	6.395	8.470	-2.075
	Min	6.304	8.251	-2.203
	Std Dev	0.080	0.123	0.140

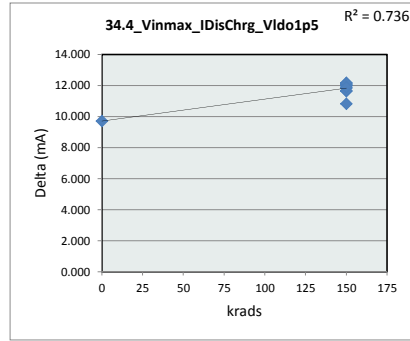


34.3_Vinmax_VoDisChrgImp_Vldo1p8		
krads	0	150
LL	1.000	1.000
Min	8.348	8.251
Average	8.348	8.482
Max	8.348	8.673
UL	25.000	25.000

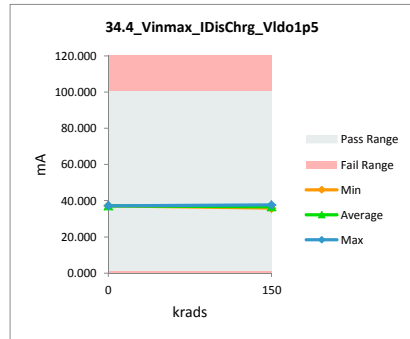


TID 150k HDR Rebound Report
TPS7H3301-SP

34.4_Vinmax_IDisChrg_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	46.943	37.231	9.712
150	116A_Biased	48.648	36.827	11.821
150	117A_Biased	48.945	36.963	11.982
150	36B_biased	48.473	36.840	11.633
150	37B_Biased	48.440	36.375	12.065
150	39C_Biased	48.118	36.116	12.002
150	118A_Unbiased	48.491	36.857	11.634
150	140A_Unbiased	48.476	37.666	10.810
150	38B_Unbiased	48.403	36.253	12.150
150	39B_Unbiased	49.021	36.855	12.166
150	40C_Unbiased	47.761	35.864	11.897
Max		49.021	37.666	12.166
Average		48.338	36.713	11.625
Min		46.943	35.864	9.712
Std Dev		0.577	0.521	0.739

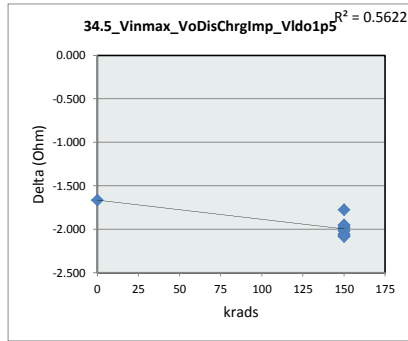


34.4_Vinmax_IDisChrg_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	1	mA
krads	0	150
LL	1.000	1.000
Min	37.231	35.864
Average	37.231	36.662
Max	37.231	37.666
UL	100.000	100.000

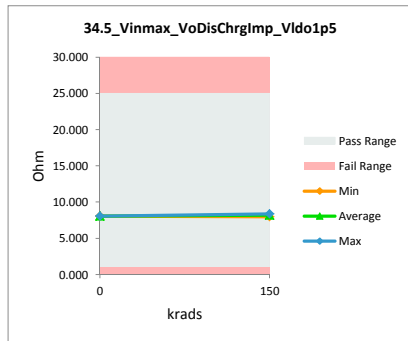


TID 150k HDR Rebound Report
TPS7H3301-SP

34.5_Vinmax_VoDisChrgImp_Vldo1p5				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	6.391	8.058	-1.667
150	116A_Biased	6.167	8.146	-1.979
150	117A_Biased	6.129	8.116	-1.987
150	36B_biased	6.189	8.143	-1.954
150	37B_Biased	6.193	8.247	-2.054
150	39C_Biased	6.235	8.306	-2.071
150	118A_Unbiased	6.187	8.139	-1.952
150	140A_Unbiased	6.189	7.965	-1.776
150	38B_Unbiased	6.198	8.275	-2.077
150	39B_Unbiased	6.120	8.140	-2.020
150	40C_Unbiased	6.281	8.365	-2.084
	Max	6.391	8.365	-1.667
	Average	6.207	8.173	-1.966
	Min	6.120	7.965	-2.084
	Std Dev	0.075	0.116	0.132

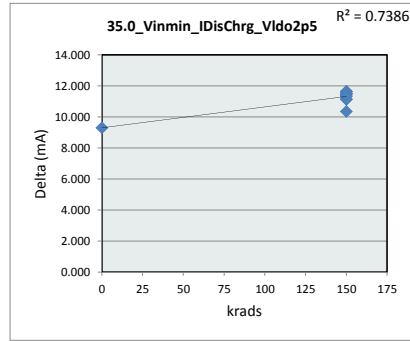


34.5_Vinmax_VoDisChrgImp_Vldo1p5		
krads	0	150
LL	1.000	1.000
Min	8.058	7.965
Average	8.058	8.184
Max	8.058	8.365
UL	25.000	25.000

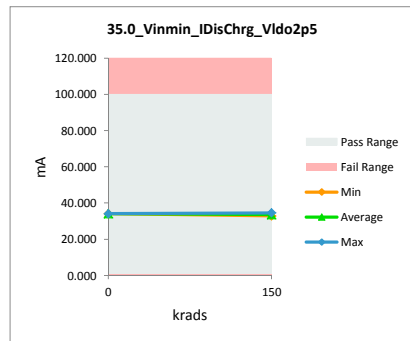


TID 150k HDR Rebound Report
TPS7H3301-SP

35.0_Vinmin_IDisChrg_Vldo2p5				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		100	100	
Min Limit		1	1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	43.428	34.142	9.286
150	116A_Biased	45.034	33.733	11.301
150	117A_Biased	45.389	33.910	11.479
150	36B_biased	44.892	33.775	11.117
150	37B_Biased	44.834	33.308	11.526
150	39C_Biased	44.504	33.011	11.493
150	118A_Unbiased	44.916	33.796	11.120
150	140A_Unbiased	44.886	34.537	10.349
150	38B_Unbiased	44.794	33.183	11.611
150	39B_Unbiased	45.409	33.773	11.636
150	40C_Unbiased	44.212	32.826	11.386
Max		45.409	34.537	11.636
Average		44.754	33.636	11.119
Min		43.428	32.826	9.286
Std Dev		0.556	0.507	0.707

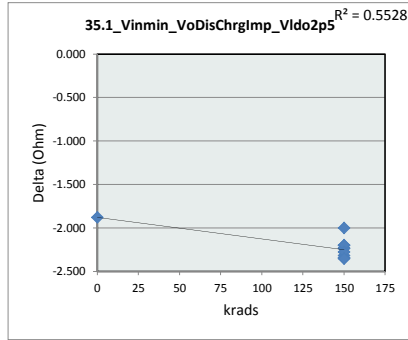


35.0_Vinmin_IDisChrg_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	1	mA
krads	0	150
LL	1.000	1.000
Min	34.142	32.826
Average	34.142	33.585
Max	34.142	34.537
UL	100.000	100.000

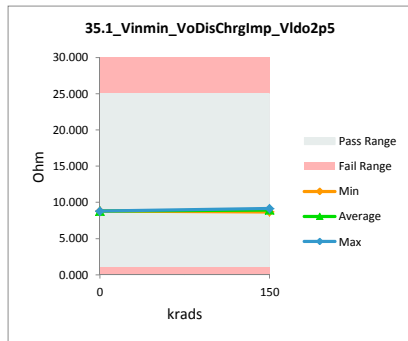


TID 150k HDR Rebound Report
TPS7H3301-SP

35.1_Vinmin_VoDisChrgImp_Vldo2				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	6.908	8.787	-1.879
150	116A_Biased	6.662	8.893	-2.231
150	117A_Biased	6.610	8.847	-2.237
150	36B_biased	6.683	8.882	-2.199
150	37B_Biased	6.691	9.007	-2.316
150	39C_Biased	6.741	9.088	-2.347
150	118A_Unbiased	6.679	8.877	-2.198
150	140A_Unbiased	6.684	8.686	-2.002
150	38B_Unbiased	6.697	9.041	-2.344
150	39B_Unbiased	6.607	8.883	-2.276
150	40C_Unbiased	6.785	9.139	-2.354
	Max	6.908	9.139	-1.879
	Average	6.704	8.921	-2.217
	Min	6.607	8.686	-2.354
	Std Dev	0.084	0.135	0.151

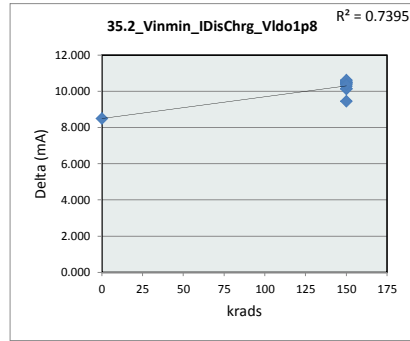


35.1_Vinmin_VoDisChrgImp_Vldo2p5		
krads	0	150
LL	1.000	1.000
Min	8.787	8.686
Average	8.787	8.934
Max	8.787	9.139
UL	25.000	25.000

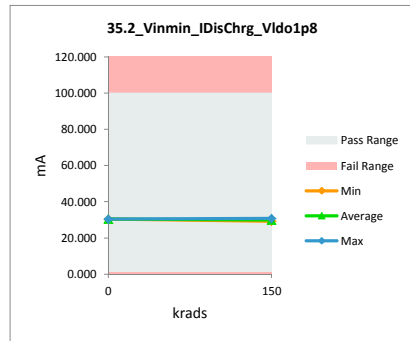


TID 150k HDR Rebound Report
TPS7H3301-SP

35.2_Vinmin_IDisChrg_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	38.880	30.391	8.489
150	116A_Biased	40.268	29.982	10.286
150	117A_Biased	40.698	30.217	10.481
150	36B_biased	40.204	30.073	10.131
150	37B_Biased	40.115	29.622	10.493
150	39C_Biased	39.723	29.281	10.442
150	118A_Unbiased	40.236	30.101	10.135
150	140A_Unbiased	40.188	30.743	9.445
150	38B_Unbiased	40.072	29.507	10.565
150	39B_Unbiased	40.664	30.059	10.605
150	40C_Unbiased	39.562	29.201	10.361
Max		40.698	30.743	10.605
Average		40.055	29.925	10.130
Min		38.880	29.201	8.489
Std Dev		0.514	0.474	0.633

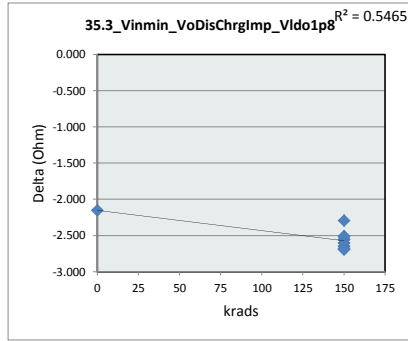


35.2_Vinmin_IDisChrg_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	1	mA
krads	0	150
LL	1.000	1.000
Min	30.391	29.201
Average	30.391	29.879
Max	30.391	30.743
UL	100.000	100.000

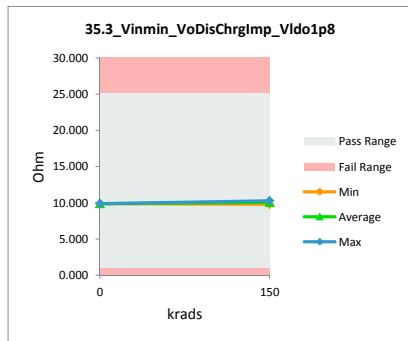


TID 150k HDR Rebound Report
TPS7H3301-SP

35.3_Vinmin_VoDisChrgImp_Vldo1				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		Ohm	Ohm	
Max Limit		25	25	
Min Limit		1	1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	7.716	9.871	-2.155
150	116A_Biased	7.450	10.006	-2.556
150	117A_Biased	7.371	9.928	-2.557
150	36B_biased	7.462	9.976	-2.514
150	37B_Biased	7.479	10.128	-2.649
150	39C_Biased	7.552	10.246	-2.694
150	118A_Unbiased	7.456	9.967	-2.511
150	140A_Unbiased	7.465	9.758	-2.293
150	38B_Unbiased	7.487	10.167	-2.680
150	39B_Unbiased	7.378	9.980	-2.602
150	40C_Unbiased	7.583	10.274	-2.691
	Max	7.716	10.274	-2.155
	Average	7.491	10.027	-2.537
	Min	7.371	9.758	-2.694
	Std Dev	0.097	0.159	0.171

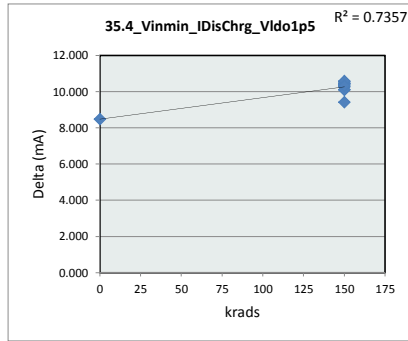


35.3_Vinmin_VoDisChrgImp_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	25	Ohm
Min Limit	1	Ohm
krads	0	150
LL	1.000	1.000
Min	9.871	9.758
Average	9.871	10.043
Max	9.871	10.274
UL	25.000	25.000

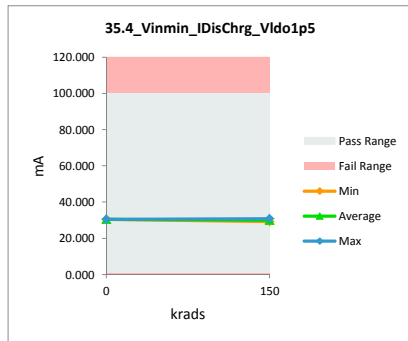


TID 150k HDR Rebound Report
TPS7H3301-SP

35.4_Vinmin_IDisChrg_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	38.923	30.444	8.479
150	116A_Biased	40.293	30.039	10.254
150	117A_Biased	40.726	30.274	10.452
150	36B_biased	40.230	30.130	10.100
150	37B_Biased	40.141	29.681	10.460
150	39C_Biased	39.747	29.341	10.406
150	118A_Unbiased	40.261	30.156	10.105
150	140A_Unbiased	40.215	30.798	9.417
150	38B_Unbiased	40.101	29.564	10.537
150	39B_Unbiased	40.693	30.116	10.577
150	40C_Unbiased	39.584	29.262	10.322
Max		40.726	30.798	10.577
Average		40.083	29.982	10.101
Min		38.923	29.262	8.479
Std Dev		0.511	0.472	0.627

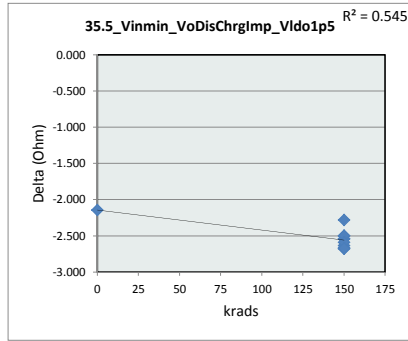


35.4_Vinmin_IDisChrg_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	100	mA
Min Limit	1	mA
krads	0	150
LL	1.000	1.000
Min	30.444	29.262
Average	30.444	29.936
Max	30.444	30.798
UL	100.000	100.000

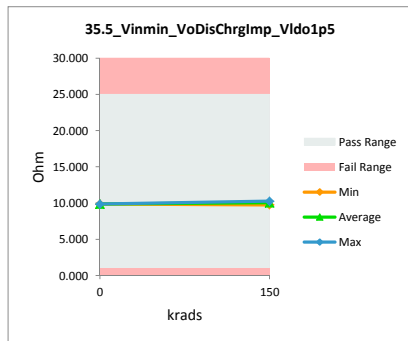


TID 150k HDR Rebound Report
TPS7H3301-SP

35.5_Vinmin_VoDisChrgImp_Vldo1				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	7.708	9.854	-2.146
150	116A_Biased	7.446	9.987	-2.541
150	117A_Biased	7.366	9.909	-2.543
150	36B_biased	7.457	9.957	-2.500
150	37B_Biased	7.474	10.107	-2.633
150	39C_Biased	7.548	10.225	-2.677
150	118A_Unbiased	7.451	9.948	-2.497
150	140A_Unbiased	7.460	9.741	-2.281
150	38B_Unbiased	7.481	10.148	-2.667
150	39B_Unbiased	7.372	9.961	-2.589
150	40C_Unbiased	7.579	10.252	-2.673
	Max	7.708	10.252	-2.146
	Average	7.486	10.008	-2.522
	Min	7.366	9.741	-2.677
	Std Dev	0.097	0.158	0.169

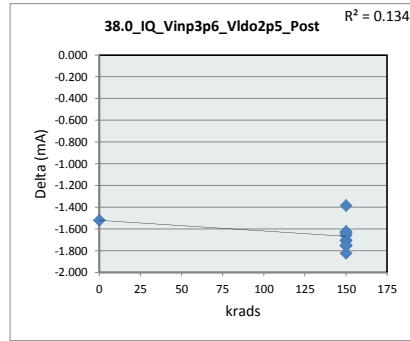


35.5_Vinmin_VoDisChrgImp_Vldo1p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	25	Ohm
Min Limit	1	Ohm
krads	0	150
LL	1.000	1.000
Min	9.854	9.741
Average	9.854	10.024
Max	9.854	10.252
UL	25.000	25.000

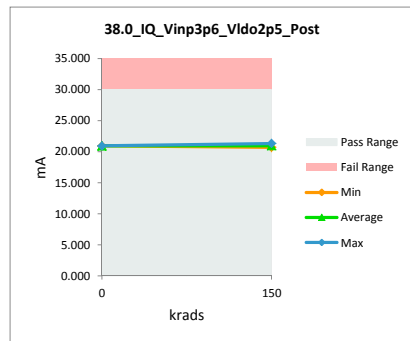


TID 150k HDR Rebound Report
TPS7H3301-SP

38.0_IQ_Vinp3p6_Vldo2p5_Post				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	19.394	20.916	-1.522
150	116A_Biased	19.557	21.261	-1.704
150	117A_Biased	19.131	20.954	-1.823
150	36B_biased	19.286	20.996	-1.710
150	37B_Biased	19.546	21.302	-1.756
150	39C_Biased	19.203	20.839	-1.636
150	118A_Unbiased	19.066	20.689	-1.623
150	140A_Unbiased	19.392	20.778	-1.386
150	38B_Unbiased	19.141	20.890	-1.749
150	39B_Unbiased	19.356	21.015	-1.659
150	40C_Unbiased	19.094	20.728	-1.634
Max		19.557	21.302	-1.386
Average		19.288	20.943	-1.655
Min		19.066	20.689	-1.823
Std Dev		0.175	0.198	0.120

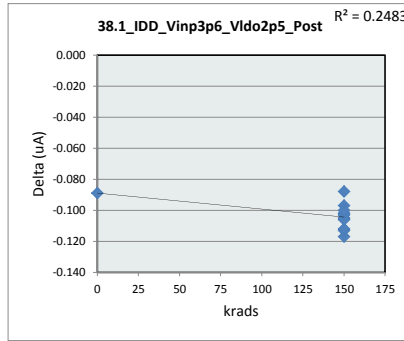


38.0_IQ_Vinp3p6_Vldo2p5_Post		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	30	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	20.916	20.689
Average	20.916	20.945
Max	20.916	21.302
UL	30.000	30.000

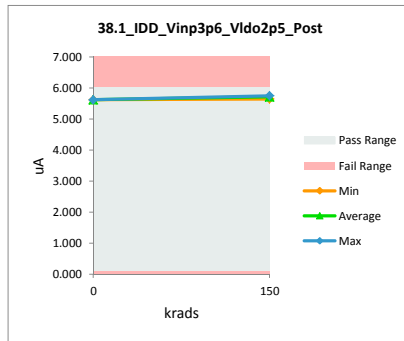


TID 150k HDR Rebound Report
TPS7H3301-SP

38.1_IDD_Vinp3p6_Vldo2p5_Post				
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.529	5.618	-0.089
150	116A_Biased	5.634	5.739	-0.105
150	117A_Biased	5.619	5.736	-0.117
150	36B_biased	5.631	5.744	-0.113
150	37B_Biased	5.627	5.739	-0.112
150	39C_Biased	5.617	5.705	-0.088
150	118A_Unbiased	5.590	5.693	-0.103
150	140A_Unbiased	5.555	5.652	-0.097
150	38B_Unbiased	5.587	5.693	-0.106
150	39B_Unbiased	5.641	5.743	-0.102
150	40C_Unbiased	5.540	5.640	-0.100
	Max	5.641	5.744	-0.088
	Average	5.597	5.700	-0.103
	Min	5.529	5.618	-0.117
	Std Dev	0.040	0.046	0.009

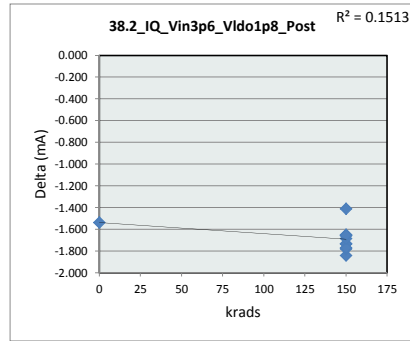


38.1_IDD_Vinp3p6_Vldo2p5_Post		
krads	0	150
LL	0.100	0.100
Min	5.618	5.640
Average	5.618	5.708
Max	5.618	5.744
UL	6.000	6.000

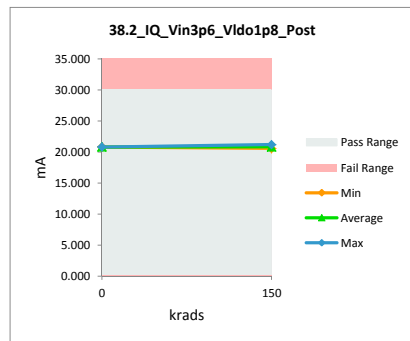


TID 150k HDR Rebound Report
TPS7H3301-SP

38.2_IQ_Vin3p6_Vldo1p8_Post				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	19.251	20.788	-1.537
150	116A_Biased	19.401	21.133	-1.732
150	117A_Biased	18.982	20.825	-1.843
150	36B_biased	19.130	20.867	-1.737
150	37B_Biased	19.394	21.173	-1.779
150	39C_Biased	19.061	20.719	-1.658
150	118A_Unbiased	18.920	20.571	-1.651
150	140A_Unbiased	19.242	20.653	-1.411
150	38B_Unbiased	18.993	20.764	-1.771
150	39B_Unbiased	19.199	20.885	-1.686
150	40C_Unbiased	18.955	20.612	-1.657
Max		19.401	21.173	-1.411
Average		19.139	20.817	-1.678
Min		18.920	20.571	-1.843
Std Dev		0.172	0.194	0.121

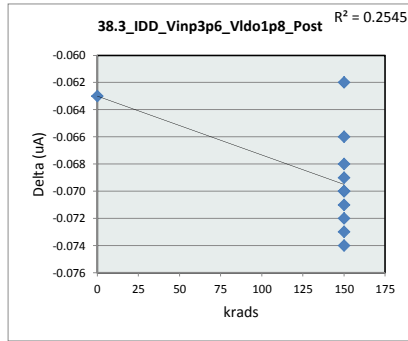


38.2_IQ_Vin3p6_Vldo1p8_Pos		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	30	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	20.788	20.571
Average	20.788	20.820
Max	20.788	21.173
UL	30.000	30.000

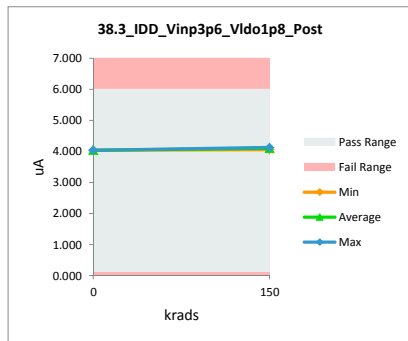


TID 150k HDR Rebound Report
TPS7H3301-SP

38.3_IDD_Vinp3p6_Vldo1p8_Post				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.974	4.037	-0.063
150	116A_Biased	4.050	4.118	-0.068
150	117A_Biased	4.039	4.113	-0.074
150	36B_biased	4.047	4.120	-0.073
150	37B_Biased	4.046	4.117	-0.071
150	39C_Biased	4.038	4.100	-0.062
150	118A_Unbiased	4.019	4.088	-0.069
150	140A_Unbiased	3.994	4.060	-0.066
150	38B_Unbiased	4.015	4.087	-0.072
150	39B_Unbiased	4.054	4.124	-0.070
150	40C_Unbiased	3.983	4.053	-0.070
	Max	4.054	4.124	-0.062
	Average	4.024	4.092	-0.069
	Min	3.974	4.037	-0.074
	Std Dev	0.029	0.030	0.004

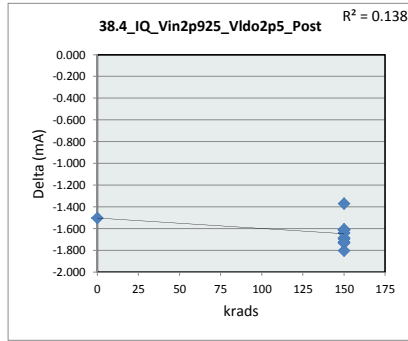


38.3_IDD_Vinp3p6_Vldo1p8_Post		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	4.037	4.053
Average	4.037	4.098
Max	4.037	4.124
UL	6.000	6.000

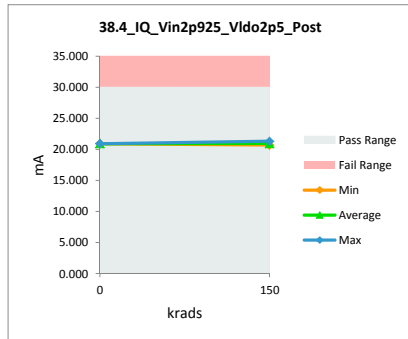


TID 150k HDR Rebound Report
TPS7H3301-SP

38.4_IQ_Vin2p925_Vldo2p5_Post				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	19.390	20.892	-1.502
150	116A_Biased	19.551	21.238	-1.687
150	117A_Biased	19.126	20.928	-1.802
150	36B_biased	19.273	20.967	-1.694
150	37B_Biased	19.541	21.274	-1.733
150	39C_Biased	19.202	20.817	-1.615
150	118A_Unbiased	19.059	20.668	-1.609
150	140A_Unbiased	19.388	20.758	-1.370
150	38B_Unbiased	19.137	20.862	-1.725
150	39B_Unbiased	19.347	20.987	-1.640
150	40C_Unbiased	19.092	20.702	-1.610
Max		19.551	21.274	-1.370
Average		19.282	20.918	-1.635
Min		19.059	20.668	-1.802
Std Dev		0.174	0.196	0.119

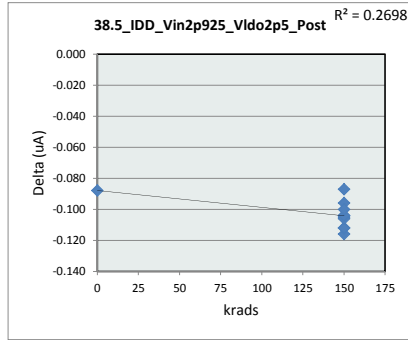


38.4_IQ_Vin2p925_Vldo2p5_P		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	30	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	20.892	20.668
Average	20.892	20.920
Max	20.892	21.274
UL	30.000	30.000

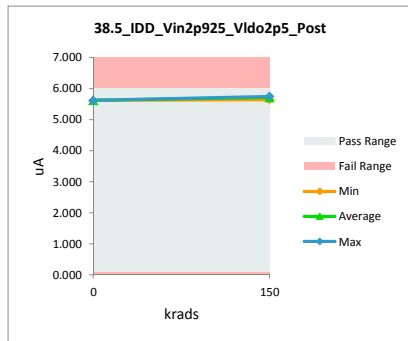


TID 150k HDR Rebound Report
TPS7H3301-SP

38.5_IDD_Vin2p925_Vldo2p5_Post				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	5.529	5.617	-0.088
150	116A_Biased	5.633	5.738	-0.105
150	117A_Biased	5.618	5.734	-0.116
150	36B_biased	5.631	5.743	-0.112
150	37B_Biased	5.628	5.740	-0.112
150	39C_Biased	5.617	5.704	-0.087
150	118A_Unbiased	5.590	5.694	-0.104
150	140A_Unbiased	5.556	5.652	-0.096
150	38B_Unbiased	5.586	5.692	-0.106
150	39B_Unbiased	5.640	5.744	-0.104
150	40C_Unbiased	5.541	5.641	-0.100
	Max	5.640	5.744	-0.087
	Average	5.597	5.700	-0.103
	Min	5.529	5.617	-0.116
	Std Dev	0.040	0.046	0.009

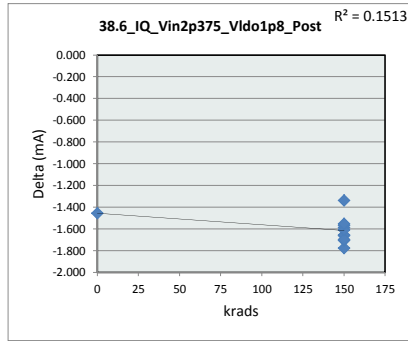


38.5_IDD_Vin2p925_Vldo2p5		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	5.617	5.641
Average	5.617	5.708
Max	5.617	5.744
UL	6.000	6.000

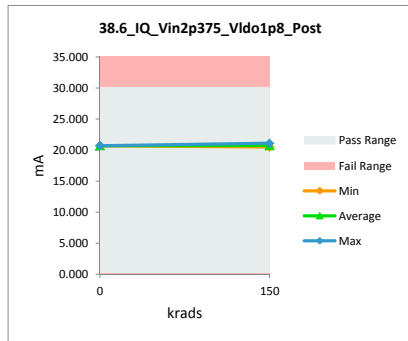


TID 150k HDR Rebound Report
TPS7H3301-SP

38.6_IQ_Vin2p375_Vldo1p8_Post				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		30	30	
Min Limit		0.1	0.1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	19.237	20.693	-1.456
150	116A_Biased	19.372	21.035	-1.663
150	117A_Biased	18.953	20.730	-1.777
150	36B_biased	19.111	20.766	-1.655
150	37B_Biased	19.363	21.070	-1.707
150	39C_Biased	19.055	20.623	-1.568
150	118A_Unbiased	18.892	20.480	-1.588
150	140A_Unbiased	19.229	20.566	-1.337
150	38B_Unbiased	18.970	20.666	-1.696
150	39B_Unbiased	19.179	20.787	-1.608
150	40C_Unbiased	18.963	20.516	-1.553
	Max	19.372	21.070	-1.337
	Average	19.120	20.721	-1.601
	Min	18.892	20.480	-1.777
	Std Dev	0.168	0.191	0.123

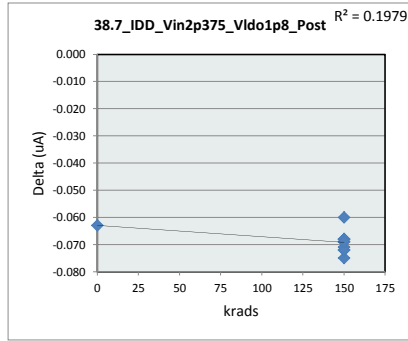


38.6_IQ_Vin2p375_Vldo1p8_Post		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	30	mA
Min Limit	0.1	mA
krads	0	150
LL	0.100	0.100
Min	20.693	20.480
Average	20.693	20.724
Max	20.693	21.070
UL	30.000	30.000

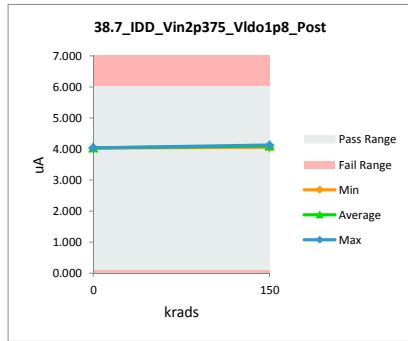


TID 150k HDR Rebound Report
TPS7H3301-SP

38.7_IDD_Vin2p375_Vldo1p8_Post				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	3.974	4.037	-0.063
150	116A_Biased	4.049	4.117	-0.068
150	117A_Biased	4.039	4.114	-0.075
150	36B_biased	4.047	4.118	-0.071
150	37B_Biased	4.045	4.117	-0.072
150	39C_Biased	4.037	4.097	-0.060
150	118A_Unbiased	4.019	4.088	-0.069
150	140A_Unbiased	3.993	4.061	-0.068
150	38B_Unbiased	4.015	4.087	-0.072
150	39B_Unbiased	4.055	4.123	-0.068
150	40C_Unbiased	3.982	4.051	-0.069
	Max	4.055	4.123	-0.060
	Average	4.023	4.092	-0.069
	Min	3.974	4.037	-0.075
	Std Dev	0.029	0.030	0.004

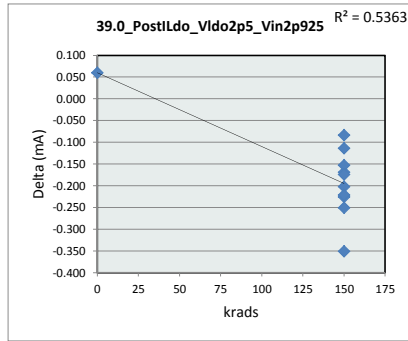


38.7_IDD_Vin2p375_Vldo1p8		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	6	uA
Min Limit	0.1	uA
krads	0	150
LL	0.100	0.100
Min	4.037	4.051
Average	4.037	4.097
Max	4.037	4.123
UL	6.000	6.000

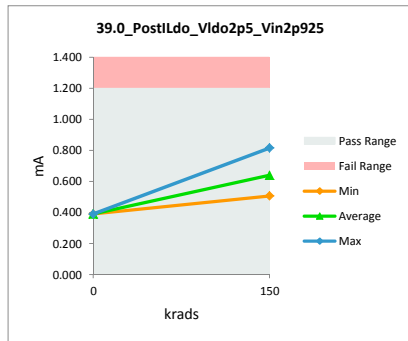


TID 150k HDR Rebound Report
TPS7H3301-SP

39.0_PostILdo_Vldo2p5_Vin2p925				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.450	0.390	0.060
150	116A_Biased	0.384	0.553	-0.169
150	117A_Biased	0.513	0.627	-0.114
150	36B_biased	0.568	0.652	-0.084
150	37B_Biased	0.440	0.666	-0.226
150	39C_Biased	0.443	0.694	-0.251
150	118A_Unbiased	0.338	0.540	-0.202
150	140A_Unbiased	0.353	0.506	-0.153
150	38B_Unbiased	0.539	0.713	-0.174
150	39B_Unbiased	0.407	0.628	-0.221
150	40C_Unbiased	0.464	0.815	-0.351
	Max	0.568	0.815	0.060
	Average	0.445	0.617	-0.171
	Min	0.338	0.390	-0.351
	Std Dev	0.074	0.115	0.105

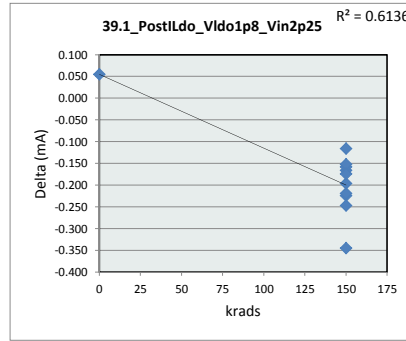


39.0_PostILdo_Vldo2p5_Vin2p925		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.2	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	0.390	0.506
Average	0.390	0.639
Max	0.390	0.815
UL	1.200	1.200

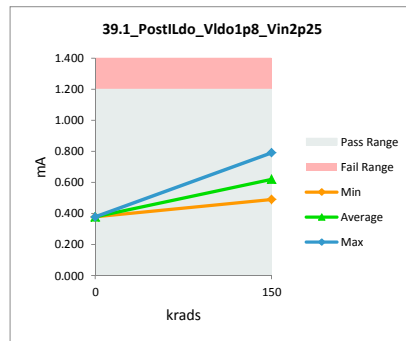


TID 150k HDR Rebound Report
TPS7H3301-SP

39.1_PostILdo_Vldo1p8_Vin2p25				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.432	0.377	0.055
150	116A_Biased	0.369	0.535	-0.166
150	117A_Biased	0.491	0.607	-0.116
150	36B_biased	0.473	0.631	-0.158
150	37B_Biased	0.422	0.646	-0.224
150	39C_Biased	0.425	0.672	-0.247
150	118A_Unbiased	0.325	0.521	-0.196
150	140A_Unbiased	0.338	0.490	-0.152
150	38B_Unbiased	0.516	0.690	-0.174
150	39B_Unbiased	0.390	0.609	-0.219
150	40C_Unbiased	0.445	0.790	-0.345
	Max	0.516	0.790	0.055
	Average	0.421	0.597	-0.177
	Min	0.325	0.377	-0.345
	Std Dev	0.061	0.112	0.098

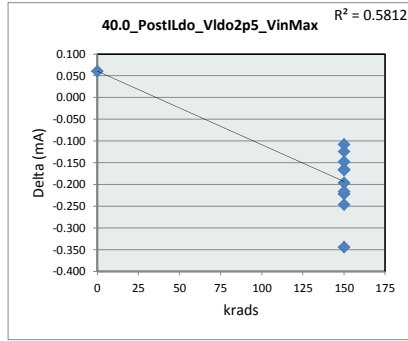


39.1_PostILdo_Vldo1p8_Vin2p25		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.2	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	0.377	0.490
Average	0.377	0.619
Max	0.377	0.790
UL	1.200	1.200

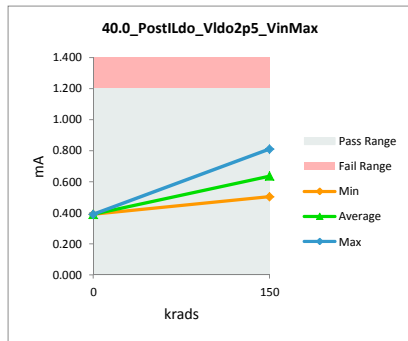


TID 150k HDR Rebound Report
TPS7H3301-SP

40.0_PostILdo_Vldo2p5_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.451	0.390	0.061
150	116A_Biased	0.385	0.550	-0.165
150	117A_Biased	0.515	0.623	-0.108
150	36B_biased	0.525	0.649	-0.124
150	37B_Biased	0.441	0.663	-0.222
150	39C_Biased	0.444	0.690	-0.246
150	118A_Unbiased	0.340	0.536	-0.196
150	140A_Unbiased	0.355	0.503	-0.148
150	38B_Unbiased	0.540	0.707	-0.167
150	39B_Unbiased	0.408	0.624	-0.216
150	40C_Unbiased	0.466	0.810	-0.344
	Max	0.540	0.810	0.061
	Average	0.443	0.613	-0.170
	Min	0.340	0.390	-0.344
	Std Dev	0.067	0.114	0.101

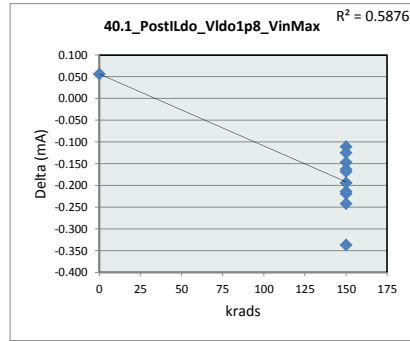


40.0_PostILdo_Vldo2p5_VinMax		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.2	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	0.390	0.503
Average	0.390	0.636
Max	0.390	0.810
UL	1.200	1.200

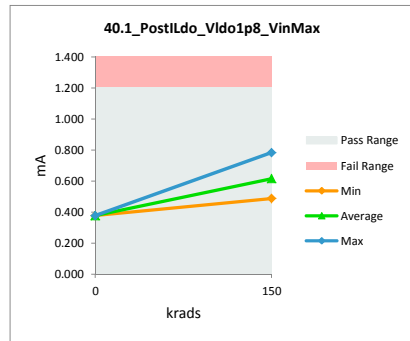


TID 150k HDR Rebound Report
TPS7H3301-SP

40.1_PostILdo_Vldo1p8_VinMax				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		mA	mA	
Max Limit		1.2	1.2	
Min Limit		0	0	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.433	0.377	0.056
150	116A_Biased	0.370	0.533	-0.163
150	117A_Biased	0.492	0.603	-0.111
150	36B_biased	0.504	0.629	-0.125
150	37B_Biased	0.422	0.641	-0.219
150	39C_Biased	0.425	0.667	-0.242
150	118A_Unbiased	0.325	0.519	-0.194
150	140A_Unbiased	0.341	0.488	-0.147
150	38B_Unbiased	0.517	0.685	-0.168
150	39B_Unbiased	0.390	0.604	-0.214
150	40C_Unbiased	0.446	0.783	-0.337
Max		0.517	0.783	0.056
Average		0.424	0.594	-0.169
Min		0.325	0.377	-0.337
Std Dev		0.064	0.110	0.098

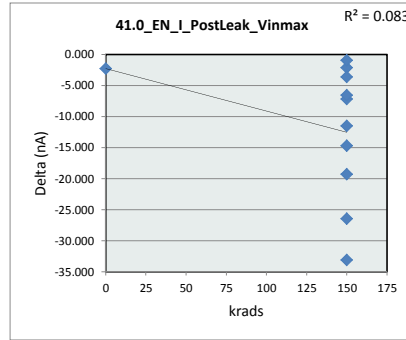


40.1_PostILdo_Vldo1p8_VinMax		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1.2	mA
Min Limit	0	mA
krads	0	150
LL	0.000	0.000
Min	0.377	0.488
Average	0.377	0.615
Max	0.377	0.783
UL	1.200	1.200

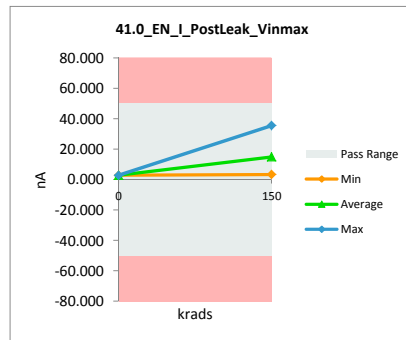


TID 150k HDR Rebound Report
TPS7H3301-SP

41.0_EN_I_PostLeak_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.553	2.866	-2.313
150	116A_Biased	1.800	3.951	-2.151
150	117A_Biased	2.351	28.833	-26.482
150	36B_biased	2.461	35.581	-33.120
150	37B_Biased	2.414	17.103	-14.689
150	39C_Biased	2.382	3.353	-0.971
150	118A_Unbiased	5.671	24.980	-19.309
150	140A_Unbiased	0.695	4.328	-3.633
150	38B_Unbiased	2.241	13.734	-11.493
150	39B_Unbiased	1.911	9.110	-7.199
150	40C_Unbiased	2.194	8.764	-6.570
	Max	5.671	35.581	-0.971
	Average	2.243	13.873	-11.630
	Min	0.553	2.866	-33.120
	Std Dev	1.320	11.397	10.725

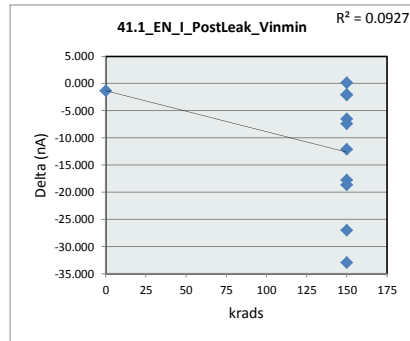


41.0_EN_I_PostLeak_Vinmax		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	nA
Min Limit	-50	nA
krads	0	150
LL	-50.000	-50.000
Min	2.866	3.353
Average	2.866	14.974
Max	2.866	35.581
UL	50.000	50.000

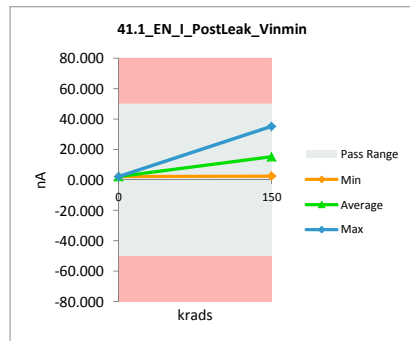


TID 150k HDR Rebound Report
TPS7H3301-SP

41.1_EN_I_PostLeak_Vinmin				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		nA	nA	
Max Limit		50	50	
Min Limit		-50	-50	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.820	2.174	-1.354
150	116A_Biased	2.666	4.784	-2.118
150	117A_Biased	2.052	29.069	-27.017
150	36B_biased	2.304	35.250	-32.946
150	37B_Biased	1.706	19.494	-17.788
150	39C_Biased	2.729	2.567	0.162
150	118A_Unbiased	6.458	25.074	-18.616
150	140A_Unbiased	0.836	2.897	-2.061
150	38B_Unbiased	2.036	14.159	-12.123
150	39B_Unbiased	2.084	8.622	-6.538
150	40C_Unbiased	3.609	10.981	-7.372
	Max	6.458	35.250	0.162
	Average	2.482	14.097	-11.616
	Min	0.820	2.174	-32.946
	Std Dev	1.543	11.611	11.175

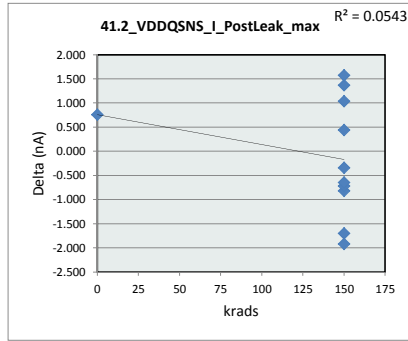


41.1_EN_I_PostLeak_Vinmin		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	nA
Min Limit	-50	nA
krads	0	150
LL	-50.000	-50.000
Min	2.174	2.567
Average	2.174	15.290
Max	2.174	35.250
UL	50.000	50.000

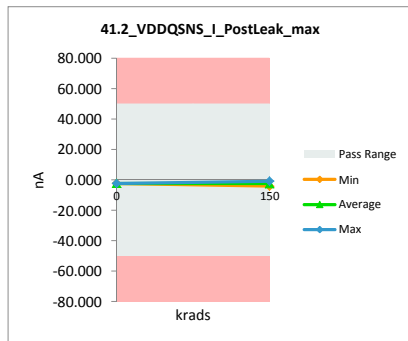


TID 150k HDR Rebound Report
TPS7H3301-SP

41.2_VDDQNSNS_I_PostLeak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	-1.593	-2.348	0.755
150	116A_Biased	-2.457	-2.112	-0.345
150	117A_Biased	-1.859	-3.229	1.370
150	36B_biased	-2.520	-0.823	-1.697
150	37B_Biased	-2.551	-1.735	-0.816
150	39C_Biased	-3.762	-3.040	-0.722
150	118A_Unbiased	-2.363	-2.804	0.441
150	140A_Unbiased	-2.017	-1.373	-0.644
150	38B_Unbiased	-2.504	-3.543	1.039
150	39B_Unbiased	-3.259	-1.342	-1.917
150	40C_Unbiased	-2.488	-4.062	1.574
Max		-1.593	-0.823	1.574
Average		-2.488	-2.401	-0.087
Min		-3.762	-4.062	-1.917
Std Dev		0.605	1.026	1.200

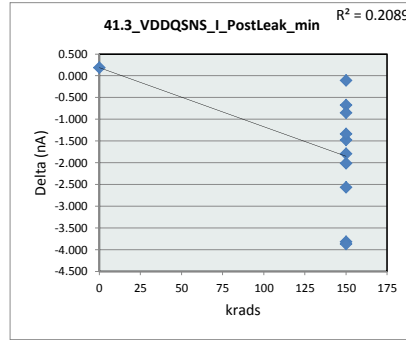


41.2_VDDQNSNS_I_PostLeak_max		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	nA
Min Limit	-50	nA
krads	0	150
LL	-50.000	-50.000
Min	-2.348	-4.062
Average	-2.348	-2.406
Max	-2.348	-0.823
UL	50.000	50.000

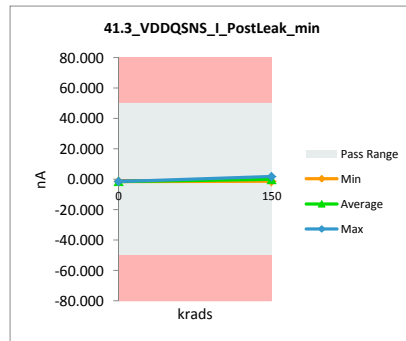


TID 150k HDR Rebound Report
TPS7H3301-SP

41.3_VDDQSN5_I_PostLeak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad150K_HDR	PostRad150K_HDR	Delta
0	106C_Corr	-1.310	-1.499	0.189
150	116A_Biased	-1.482	-0.807	-0.675
150	117A_Biased	-2.457	-0.980	-1.477
150	36B_biased	-1.026	-0.918	-0.108
150	37B_Biased	-2.190	-1.342	-0.848
150	39C_Biased	-2.127	1.692	-3.819
150	118A_Unbiased	-2.992	0.875	-3.867
150	140A_Unbiased	-0.761	1.802	-2.563
150	38B_Unbiased	-2.032	-0.021	-2.011
150	39B_Unbiased	-2.347	-1.012	-1.335
150	40C_Unbiased	-2.221	-0.430	-1.791
	Max	-0.761	1.802	0.189
	Average	-1.904	-0.240	-1.664
	Min	-2.992	-1.499	-3.867
	Std Dev	0.674	1.181	1.345

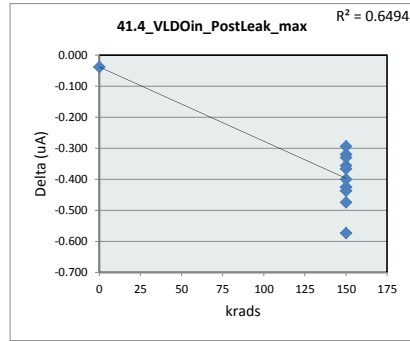


41.3_VDDQSN5_I_PostLeak_min		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	nA
Min Limit	-50	nA
krads	0	150
LL	-50.000	-50.000
Min	-1.499	-1.342
Average	-1.499	-0.114
Max	-1.499	1.802
UL	50.000	50.000

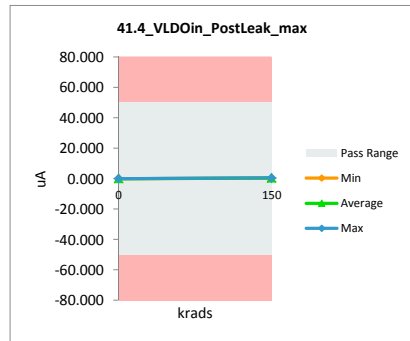


TID 150k HDR Rebound Report
TPS7H3301-SP

41.4_VLDOin_PostLeak_max				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		uA	uA	
Max Limit		50	50	
Min Limit		-50	-50	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.000	0.039	-0.039
150	116A_Biased	0.000	0.320	-0.320
150	117A_Biased	0.000	0.356	-0.356
150	36B_biased	0.000	0.366	-0.366
150	37B_Biased	0.000	0.425	-0.425
150	39C_Biased	0.000	0.475	-0.475
150	118A_Unbiased	0.000	0.330	-0.330
150	140A_Unbiased	0.000	0.294	-0.294
150	38B_Unbiased	0.000	0.437	-0.437
150	39B_Unbiased	0.000	0.400	-0.400
150	40C_Unbiased	0.000	0.573	-0.573
Max		0.000	0.573	-0.039
Average		0.000	0.365	-0.365
Min		0.000	0.039	-0.573
Std Dev		0.000	0.134	0.134

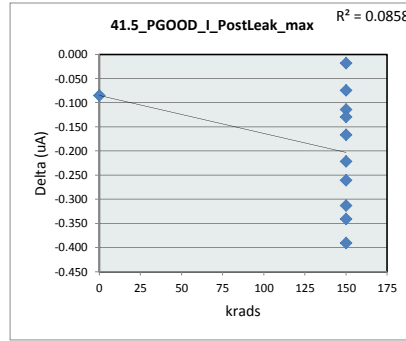


41.4_VLDOin_PostLeak_max		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	uA
Min Limit	-50	uA
krads	0	150
LL	-50.000	-50.000
Min	0.039	0.294
Average	0.039	0.398
Max	0.039	0.573
UL	50.000	50.000

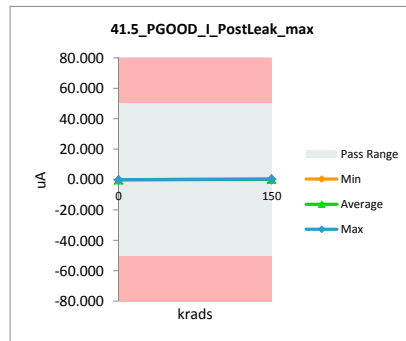


TID 150k HDR Rebound Report
TPS7H3301-SP

41.5_PGOOD_I_PostLeak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	-0.199	-0.114	-0.085
150	116A_Biased	0.080	0.154	-0.074
150	117A_Biased	0.095	0.209	-0.114
150	36B_biased	0.083	0.101	-0.018
150	37B_Biased	0.079	0.340	-0.261
150	39C_Biased	0.050	0.217	-0.167
150	118A_Unbiased	0.076	0.298	-0.222
150	140A_Unbiased	-0.183	0.157	-0.341
150	38B_Unbiased	0.086	0.215	-0.129
150	39B_Unbiased	0.099	0.412	-0.313
150	40C_Unbiased	0.058	0.448	-0.391
Max		0.099	0.448	-0.018
Average		0.029	0.222	-0.192
Min		-0.199	-0.114	-0.391
Std Dev		0.110	0.156	0.122

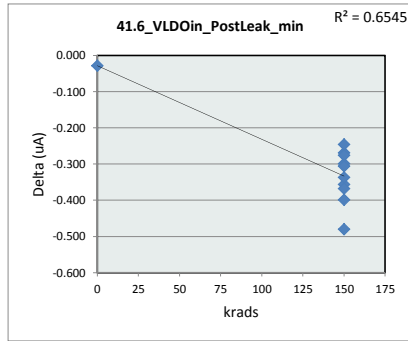


41.5_PGOOD_I_PostLeak_max		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	uA
Min Limit	-50	uA
krads	0	150
LL	-50.000	-50.000
Min	-0.114	0.101
Average	-0.114	0.255
Max	-0.114	0.448
UL	50.000	50.000

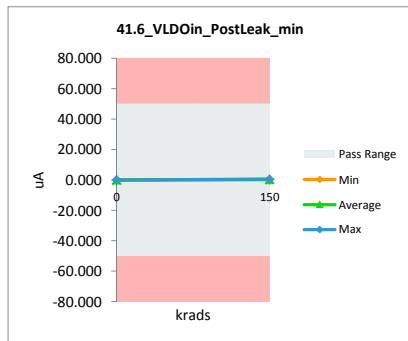


TID 150k HDR Rebound Report
TPS7H3301-SP

41.6_VLDOin_PostLeak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	0.002	0.031	-0.029
150	116A_Biased	0.000	0.269	-0.269
150	117A_Biased	0.000	0.299	-0.299
150	36B_biased	0.000	0.306	-0.306
150	37B_Biased	0.001	0.357	-0.356
150	39C_Biased	0.001	0.400	-0.399
150	118A_Unbiased	0.000	0.276	-0.276
150	140A_Unbiased	0.002	0.248	-0.246
150	38B_Unbiased	0.000	0.368	-0.368
150	39B_Unbiased	0.000	0.337	-0.337
150	40C_Unbiased	0.001	0.481	-0.480
Max		0.002	0.481	-0.029
Average		0.001	0.307	-0.306
Min		0.000	0.031	-0.480
Std Dev		0.001	0.113	0.114

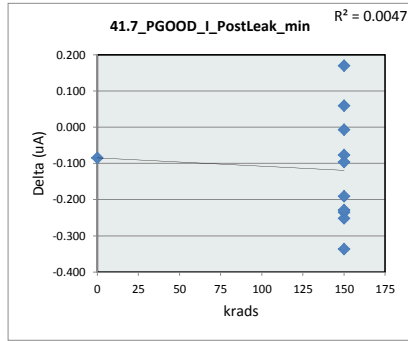


41.6_VLDOin_PostLeak_min		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	50	uA
Min Limit	-50	uA
krads	0	150
LL	-50.000	-50.000
Min	0.031	0.248
Average	0.031	0.334
Max	0.031	0.481
UL	50.000	50.000

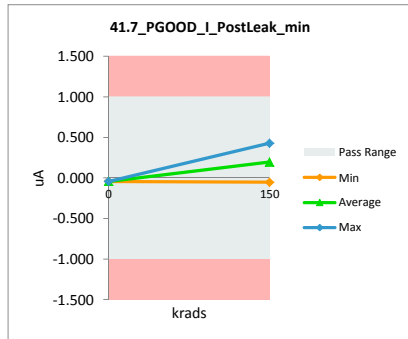


TID 150k HDR Rebound Report
TPS7H3301-SP

41.7_PGOOD_I_PostLeak_min				
Test Site		Dallas, Tx	Dallas, Tx	
Tester		ETS	ETS	
Test Number		EF636800	EF636800	
Unit		uA	uA	
Max Limit		1	1	
Min Limit		-1	-1	
krads	Serial #	PreRad150k_HDR	PostRad150K_HDR	Delta
0	106C_Corr	-0.130	-0.044	-0.085
150	116A_Biased	0.144	-0.026	0.170
150	117A_Biased	0.113	0.054	0.059
150	36B_biased	0.127	0.134	-0.007
150	37B_Biased	0.124	0.376	-0.252
150	39C_Biased	0.094	0.171	-0.077
150	118A_Unbiased	0.046	0.237	-0.191
150	140A_Unbiased	-0.150	-0.054	-0.096
150	38B_Unbiased	0.071	0.306	-0.235
150	39B_Unbiased	0.105	0.334	-0.229
150	40C_Unbiased	0.091	0.427	-0.336
Max		0.144	0.427	0.170
Average		0.058	0.174	-0.116
Min		-0.150	-0.054	-0.336
Std Dev		0.101	0.175	0.150



41.7_PGOOD_I_PostLeak_min		
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Max Limit	1	uA
Min Limit	-1	uA
krads	0	150
LL	-1.000	-1.000
Min	-0.044	-0.054
Average	-0.044	0.196
Max	-0.044	0.427
UL	1.000	1.000



Texas Instruments Incorporated

TPS7H3301-RHA

TID LDR Report

All units passed SMD specification limits up to 100krad LDR.

TID Low Dose Rate Report: 100krad(Si)

TI Part Number	TPS7H3301-RHA (5962R1422801VXC)
Device Function	3-A DDR Termination Regulator With Built-in VREF
Package	16-Pin Ceramic Flatpack
Technology	LBC7
Die Lot Number	4362341TI1 (Scribe lot# 4337800)
A/T Lot Number / Date Code	lot # 5008958 (1545A), lot# 5008982 (1545B), lot# 5008983 (1545C)
Quantity Tested	84 device including 1 control device (Refer to Table III)
Lot Accept/Reject	Devices passed 3krad (Si), 10krad(Si), 30krad(Si), 50krad(Si), and 100krad(Si)
Radiation Facility	Radiation Assured Devices Longmire Laboratories, Colorado Springs, CO
HDR Dose	3krad(Si), 10krad(Si), 30krad(Si), 50krad(Si) and 100krad(Si)
HDR Dose Rate	0.01 rad/sec - refer to exposure record
Radiation Source	Co-60
Irradiation Temperature	Ambient, room temperature

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Radiation Characterization Plan

Method 1019.8, 3.13: Test procedure for Bipolar and BiCMOS linear or mixed signal devices

[Per MI-STD 883](#)

For each type of exposure, populate the below tables. Include the following:

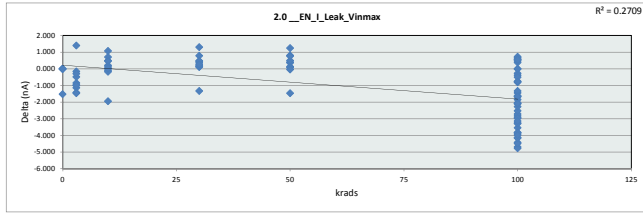
- Exposure type
- Dose rate
- Device serialization
- Number of units at each test
- Biasing (static, dynamic, and hardware needs)
- Monitor needs during exposure
- Pre electrical test (BI, temp, etc)
- Post electrical test (temp, read points (hours in anneal))
- Anneal (biased/unbiased) and temperatures/duration
- Any other required testing

Device Name: TPS7H3301-RHA
 Package 16HKR (FP)
 Radiation Characterization Plan
Exposure Type: LDR <= 10mrad(Si)/sec
Radiation Test House: Aeroflex RAD

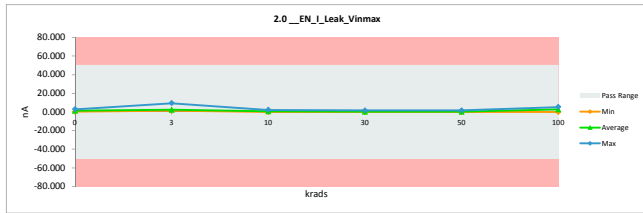
LDR	Dose rate: = LDR <= 10mrad(Si)/sec		
Characterization		Sample size = 84 units (includes 44 RLAT Units)	
1.1	Pre-Radiation electrical test: Pre Burn-In		
1.2	Pre-Radiation electrical test: Burn-In		
1.3	Pre-Radiation electrical test: Post Burn-In		
1.4	Pre-Radiation electrical test: Post Burn-In 125C/-55C		
2.1	Exposure info		
2.2	Expose 3krad	5 Biased, 5 Unbiased	Control Unit
2.3	Expose 10krad	5 Biased, 5 Unbiased	
2.4	Expose 30krad	5 Biased, 5 Unbiased	
2.5	Expose 50krad	5 Biased, 5 Unbiased	
2.5	Expose 100krad (RLAT @ 1.5X target level exposure)	22 biased/22 unbiased	
3.1	Post test 25C (3k, 10k, 30k, 50K, 150K)		
3.2			
3.3			

TID 100krad LDR Report
TPS7H3301-SP

2.0_EN_I_Leak_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.870	2.870	0.000
3	A79_Biased	1.197	1.360	-0.163
3	A80_Biased	0.663	2.084	-1.421
3	B1_Biased	0.632	1.769	-1.137
3	B2_Biased	10.794	9.399	1.395
3	C1_Biased	0.506	1.360	-0.854
3	A82_Unbiased	0.962	1.454	-0.492
3	A83_Unbiased	0.459	1.439	-0.980
3	B4_Unbiased	0.569	2.036	-1.467
3	B5_Unbiased	0.977	1.266	-0.289
3	C2_Unbiased	0.522	1.517	-0.995
10	A85_Biased	0.805	0.333	0.472
10	A86_Biased	0.726	0.822	0.204
10	B6_Biased	0.217	0.302	-0.085
10	C3_Biased	0.710	0.013	0.697
10	C4_Biased	0.192	0.380	-0.188
10	A87_Unbiased	1.040	0.930	0.110
10	A88_Unbiased	0.270	2.213	-1.943
10	B7_Unbiased	1.355	0.280	1.075
10	C5_Unbiased	0.742	0.264	0.478
10	C6_Unbiased	0.239	0.233	0.006
0	106_Corr	0.385	0.385	0.000
30	A89_Biased	0.239	0.118	0.121
30	B8_Biased	0.522	0.417	0.105
30	B9_Biased	0.490	0.134	0.356
30	C7_Biased	0.883	0.102	0.781
30	C9_Biased	0.322	0.322	0.184
30	A90_Unbiased	0.317	1.658	-1.341
30	B10_Unbiased	1.480	0.180	1.300
30	B11_Unbiased	0.789	0.338	0.451
30	C11_Unbiased	0.023	0.467	0.447
30	C12_Unbiased	0.600	0.338	0.262
0	106_Corr	0.605	0.605	0.000
0	15B_Corr	0.338	0.338	0.000
50	A92_Biased	1.527	0.291	1.236
50	A93_Biased	0.710	0.590	0.120
50	B12_Biased	0.506	0.102	0.404
50	B13_Biased	0.742	0.385	0.357
50	C14_Biased	0.632	0.558	0.074
50	A95_Unbiased	0.663	0.181	0.482
50	A96_Unbiased	0.013	0.085	-0.042
50	B15_Unbiased	0.915	0.118	0.797
50	B16_Unbiased	0.805	0.040	0.765
50	C15_Unbiased	0.270	1.736	-1.466
0	106_Corr	0.385	0.385	0.000
100	A97_Biased	2.235	4.092	-1.857
100	A99_Biased	0.443	3.400	-2.957
100	A100_Biased	0.569	0.837	-0.268
100	A101_Biased	0.254	4.942	-4.688
100	A102_Biased	0.742	0.365	0.377
100	A104_Biased	1.150	0.679	0.471
100	A105_Biased	0.805	4.942	-4.137
100	B17_Biased	0.695	0.028	0.667
100	B18_Biased	1.009	2.457	-1.448
100	B19_Biased	1.040	1.796	-0.756
100	B20_Biased	0.123	0.129	-0.006
100	B21_Biased	0.820	4.659	-3.839
100	B24_Biased	0.427	4.847	-4.420
100	B25_Biased	0.113	4.879	-4.766
100	B26_Biased	0.594	1.403	-0.809
100	C16_Biased	0.710	3.542	-2.832
100	C17_Biased	0.317	1.938	-1.621
100	C18_Biased	0.113	0.506	-0.393
100	C19_Biased	0.600	2.268	-1.668
100	C25_Biased	0.773	5.256	-4.483
100	C26_Biased	0.867	0.154	0.713
100	C31_Biased	0.254	1.592	-1.338
100	A107_Unbiased	1.087	5.005	-3.918
100	A108_Unbiased	0.915	4.454	-3.539
100	A109_Unbiased	0.537	4.375	-3.838
100	A110_Unbiased	1.103	0.506	0.597
100	A111_Unbiased	0.713	0.217	0.556
100	A112_Unbiased	0.192	2.913	-2.721
100	A113_Unbiased	0.726	4.879	-4.153
100	B27_Unbiased	0.553	3.809	-3.256
100	B29_Unbiased	0.490	3.448	-2.958
100	B30_Unbiased	0.333	3.378	-2.945
100	B31_Unbiased	0.569	1.082	-0.513
100	B32_Unbiased	0.773	3.306	-2.533
100	B33_Unbiased	0.553	0.554	-0.001
100	B34_Unbiased	0.459	3.746	-3.287
100	B35_Unbiased	0.144	3.275	-3.131
100	C32_Unbiased	0.805	4.784	-3.979
100	C33_Unbiased	0.679	2.362	-1.683
100	C34_Unbiased	0.380	2.661	-2.281
100	C35_Unbiased	0.412	1.183	-0.771
100	C36_Unbiased	0.192	2.299	-2.107
100	C37_Unbiased	0.773	0.249	0.524
100	C38_Unbiased	0.663	2.740	-2.077
	Max	10.794	9.399	1.395
	Average	0.776	1.774	-0.998
	Min	0.013	0.013	-4.766
	Std Dev	1.155	1.797	1.655

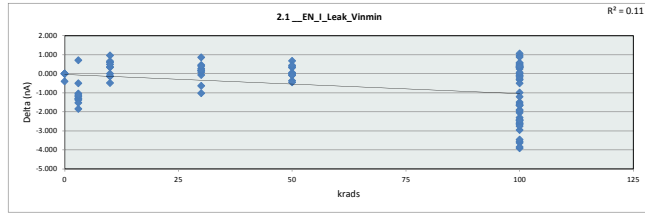


2.0_EN_I_Leak_Vinmax					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	50	nA			
Min Limit	-50	nA			
krads	LL	Min	Average	Max	UL
0	-50.000	0.338	0.605	0.605	50.000
3	-50.000	1.221	0.385	0.239	50.000
10	-50.000	0.338	0.385	0.338	50.000
30	-50.000	1.221	0.385	0.338	50.000
50	-50.000	0.338	0.385	0.338	50.000
100	-50.000	1.221	0.385	0.338	50.000

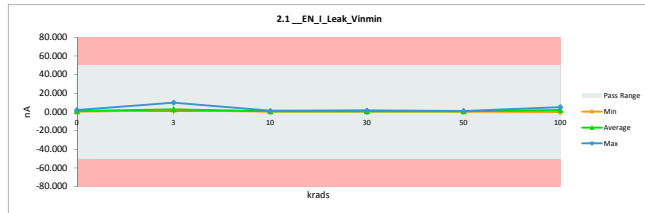


TID 100krad LDR Report
TPS7H3301-SP

2.1_EN_I_Leak_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.162	2.162	0.000
3	A79_Biased	0.679	2.005	-1.326
3	A80_Biased	0.899	1.942	-1.043
3	B1_Biased	1.166	1.659	-0.493
3	B2_Biased	10.700	9.981	0.719
3	C1_Biased	0.647	1.926	-1.279
3	A82_Unbiased	0.867	2.241	-1.374
3	A83_Unbiased	0.726	2.241	-1.515
3	B4_Unbiased	0.915	2.099	-1.184
3	B5_Unbiased	1.229	2.351	-1.122
3	C2_Unbiased	0.302	2.147	-1.845
10	A85_Biased	1.260	0.302	0.958
10	A86_Biased	1.119	0.459	0.660
10	B6_Biased	0.600	0.239	0.361
10	C3_Biased	0.773	1.260	-0.487
10	C4_Biased	1.166	0.820	0.346
10	A87_Unbiased	0.962	0.000	0.962
10	A88_Unbiased	0.773	0.176	0.597
10	B7_Unbiased	1.260	0.773	0.487
10	C5_Unbiased	1.056	1.182	-0.126
10	C6_Unbiased	0.915	1.040	-0.125
0	106_Corr	0.495	0.495	0.000
30	A89_Biased	0.647	1.281	-0.634
30	B8_Biased	1.213	1.281	-0.068
30	B9_Biased	0.977	0.511	0.466
30	C7_Biased	0.643	0.480	0.183
30	C9_Biased	0.710	0.621	0.089
30	A90_Unbiased	0.578	1.595	-1.017
30	B10_Unbiased	1.072	0.212	0.860
30	B11_Unbiased	0.742	0.464	0.278
30	C11_Unbiased	0.999	0.700	0.199
30	C12_Unbiased	1.056	0.637	0.419
0	106_Corr	0.700	0.700	0.000
0	15B_Corr	0.291	0.291	0.000
50	A92_Biased	0.742	0.417	0.325
50	A93_Biased	0.915	0.957	-0.052
50	B12_Biased	1.009	0.951	0.058
50	B13_Biased	0.742	0.731	0.011
50	C14_Biased	0.647	1.014	-0.367
50	A95_Unbiased	1.229	0.542	0.687
50	A96_Unbiased	0.789	0.432	0.357
50	B15_Unbiased	0.647	1.093	-0.446
50	B16_Unbiased	1.166	0.715	0.451
50	C15_Unbiased	0.569	0.652	-0.083
0	106_Corr	0.495	0.495	0.000
100	A97_Biased	0.924	0.585	0.339
100	A99_Biased	0.160	0.469	-0.309
100	A100_Biased	0.915	4.533	-3.618
100	A101_Biased	1.826	3.872	-2.046
100	A102_Biased	2.188	4.486	-2.298
100	A104_Biased	0.506	0.139	0.367
100	A105_Biased	0.412	3.023	-2.611
100	B17_Biased	0.490	0.129	0.361
100	B18_Biased	0.632	4.187	-3.555
100	B19_Biased	0.915	2.866	-1.951
100	B20_Biased	0.522	0.632	-0.110
100	B21_Biased	1.182	3.762	-2.580
100	B24_Biased	1.370	0.422	0.948
100	B25_Biased	0.333	2.724	-2.391
100	B26_Biased	0.899	0.972	-0.073
100	C16_Biased	1.307	2.803	-1.496
100	C17_Biased	0.537	0.821	-0.284
100	C18_Biased	1.339	4.297	-2.958
100	C19_Biased	0.506	0.028	0.478
100	C25_Biased	0.946	3.605	-2.659
100	C26_Biased	1.276	1.434	-0.158
100	C31_Biased	0.789	0.532	0.257
100	A107_Unbiased	0.632	0.046	0.586
100	A108_Unbiased	1.056	3.809	-2.753
100	A109_Unbiased	0.915	2.504	-1.589
100	A110_Unbiased	1.669	1.324	0.345
100	A111_Unbiased	1.292	3.180	-1.888
100	A112_Unbiased	1.402	0.327	1.075
100	A113_Unbiased	1.223	5.130	-3.907
100	B27_Unbiased	0.946	1.938	-0.992
100	B29_Unbiased	1.150	4.989	-3.839
100	B30_Unbiased	0.929	3.668	-2.739
100	B31_Unbiased	0.915	4.375	-3.460
100	B32_Unbiased	1.040	2.693	-1.653
100	B33_Unbiased	1.009	0.563	0.446
100	B34_Unbiased	0.653	1.859	-1.196
100	B35_Unbiased	1.009	0.422	0.587
100	C32_Unbiased	0.805	2.457	-1.652
100	C33_Unbiased	0.475	0.972	-0.497
100	C34_Unbiased	0.585	0.585	0.000
100	C35_Unbiased	0.647	0.449	0.198
100	C36_Unbiased	0.192	0.113	0.079
100	C37_Unbiased	0.915	0.034	0.881
100	C38_Unbiased	1.260	3.731	-2.471
	Max	10.700	9.981	1.075
	Average	1.013	1.651	-0.638
	Min	0.160	0.028	-3.907
	Std Dev	1.103	1.625	1.274

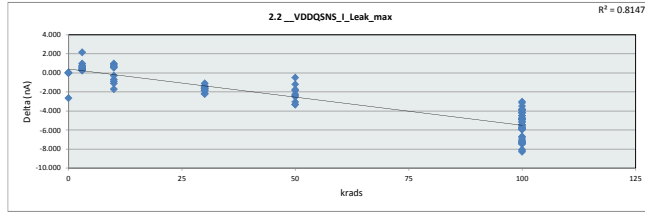


2.1_EN_I_Leak_Vinmin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	LL	3	10	30	50	100
	Min	-50.000	-50.000	-50.000	-50.000	-50.000
	Average	0.291	1.659	0.176	0.212	0.417
	Max	0.906	2.859	0.721	0.778	0.751
	UL	2.162	9.981	1.260	1.595	1.093
	UL	50.000	50.000	50.000	50.000	50.000

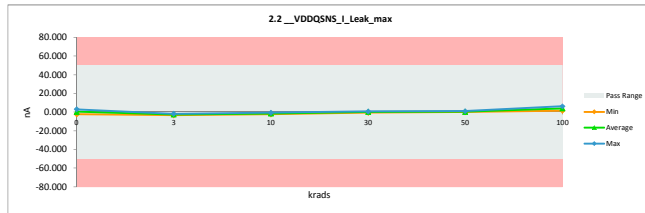


TID 100k LDR Report
TPS7H3301-SP

2.2_VDDQSN5_I_Leak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krams	Seriat #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	-2.331	-2.331	0.000
3	A79_Biased	-1.907	-2.693	0.786
3	A80_Biased	-2.268	-2.599	0.331
3	B1_Biased	-2.456	-2.709	0.253
3	B2_Biased	-1.169	-3.322	2.153
3	C1_Biased	-1.404	-1.765	0.361
3	A82_Unbiased	-1.781	-2.268	0.487
3	A83_Unbiased	-2.142	-2.520	0.378
3	B4_Unbiased	-2.017	-2.583	0.566
3	B5_Unbiased	-1.075	-2.080	1.005
3	C2_Unbiased	-1.342	-2.001	0.659
10	A85_Biased	-2.001	-0.902	-1.099
10	A86_Biased	-0.839	-1.200	0.989
10	B6_Biased	-2.299	-0.604	-1.695
10	C3_Biased	-2.205	-1.310	-0.895
10	C4_Biased	-1.106	-1.970	0.864
10	A87_Unbiased	-0.839	-1.546	0.707
10	A88_Unbiased	-1.765	-2.315	0.550
10	B7_Unbiased	-1.813	-1.137	-0.676
10	C5_Unbiased	-1.765	-1.467	-0.298
10	C6_Unbiased	-1.467	-2.079	0.612
0	106_Corr	0.371	0.371	0.000
30	A89_Biased	-2.221	-0.053	-2.168
30	B8_Biased	-0.714	0.764	-1.478
30	B9_Biased	-1.373	0.308	-1.681
30	C7_Biased	-1.954	-0.587	-1.367
30	C9_Biased	-1.436	0.136	-1.572
30	A90_Unbiased	-1.577	0.073	-1.650
30	B10_Unbiased	-1.608	0.261	-1.869
30	B11_Unbiased	-1.326	0.889	-2.215
30	C11_Unbiased	-0.178	-1.101	-1.101
30	C12_Unbiased	-0.965	0.842	-1.807
0	106_Corr	0.355	0.355	0.000
0	15B_Corr	1.031	1.031	0.000
50	A92_Biased	-2.001	1.031	-3.032
50	A93_Biased	-0.855	0.340	-1.195
50	B12_Biased	-0.400	0.073	-0.473
50	B13_Biased	-1.404	0.450	-1.854
50	C14_Biased	-2.048	1.266	-3.314
50	A95_Unbiased	-2.001	0.230	-2.231
50	A96_Unbiased	-2.912	0.418	-3.330
50	B15_Unbiased	-1.922	0.465	-2.387
50	B16_Unbiased	-1.844	0.669	-2.513
50	C15_Unbiased	-1.012	0.732	-1.744
0	106_Corr	0.371	0.371	0.000
100	A97_Biased	-1.530	1.960	-3.490
100	A99_Biased	-1.137	4.522	-5.659
100	A100_Biased	-2.425	4.978	-7.403
100	A101_Biased	-2.294	2.840	-4.134
100	A102_Biased	-2.645	5.639	-8.284
100	A104_Biased	-0.243	4.648	-4.891
100	A105_Biased	-1.499	4.051	-5.550
100	B17_Biased	-1.075	5.591	-6.666
100	B18_Biased	-2.048	3.846	-5.894
100	B19_Biased	-1.765	2.070	-3.835
100	B20_Biased	-0.415	5.481	-5.896
100	B21_Biased	-1.404	2.400	-3.804
100	B24_Biased	-2.032	5.340	-7.372
100	B25_Biased	-0.957	3.941	-4.898
100	B26_Biased	-3.257	1.535	-4.792
100	C16_Biased	-1.451	1.551	-3.002
100	C17_Biased	-1.656	1.504	-3.160
100	C18_Biased	-2.268	1.897	-4.165
100	C19_Biased	-1.530	2.966	-4.496
100	C25_Biased	-1.200	5.906	-7.106
100	C26_Biased	-2.425	5.780	-8.205
100	C31_Biased	-1.106	6.378	-7.484
100	A107_Unbiased	-1.656	3.139	-4.795
100	A108_Unbiased	-2.189	3.705	-5.894
100	A109_Unbiased	-1.703	2.227	-3.930
100	A110_Unbiased	-1.404	3.516	-4.920
100	A111_Unbiased	-2.246	5.102	-7.348
100	A112_Unbiased	-1.200	5.985	-7.185
100	A113_Unbiased	-1.718	4.019	-5.737
100	B27_Unbiased	-1.247	4.176	-5.423
100	B29_Unbiased	-1.514	5.230	-6.744
100	B30_Unbiased	-0.918	4.912	-5.830
100	B31_Unbiased	-0.572	5.403	-5.975
100	B32_Unbiased	-1.373	4.428	-5.801
100	B33_Unbiased	-1.357	2.494	-3.851
100	B34_Unbiased	-1.059	4.381	-5.440
100	B35_Unbiased	-0.023	5.136	-5.159
100	C32_Unbiased	-0.808	3.925	-4.733
100	C33_Unbiased	-1.922	5.324	-7.246
100	C34_Unbiased	-2.064	5.261	-7.325
100	C35_Unbiased	-0.823	6.110	-6.933
100	C36_Unbiased	-1.122	2.746	-3.868
100	C37_Unbiased	-0.572	4.318	-4.890
100	C38_Unbiased	-1.420	3.721	-5.141
	Max	1.031	6.378	2.153
	Average	-1.439	1.692	-3.131
	Min	-3.257	-3.322	-8.284
	Std Dev	0.752	2.759	2.757

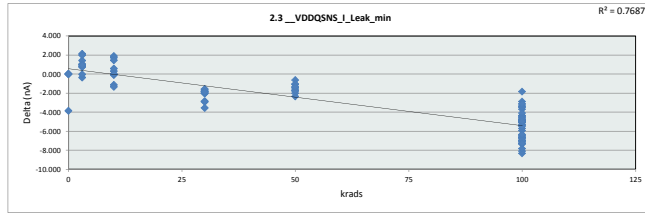


2.2_VDDQSN5_I_Leak_max						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krams	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	-2.331	-3.322	-2.315	-0.587	0.073	1.504
Average	0.488	-2.454	-1.453	0.246	0.567	4.070
Max	3.013	-1.765	-0.604	0.889	1.266	6.378
UL	50.000	50.000	50.000	50.000	50.000	50.000

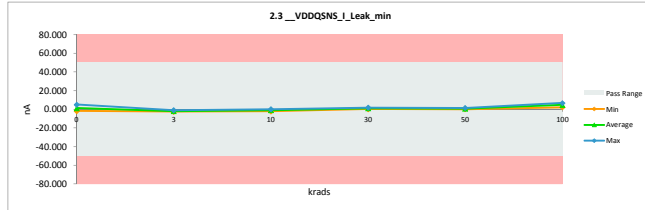


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2.3_VDDQSN5_I_Leak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	-1.907	-1.907	0.000
3	A79_Biased	-0.761	-2.174	1.413
3	A80_Biased	-0.965	-1.954	0.989
3	B1_Biased	-1.436	-1.073	-0.363
3	B2_Biased	-0.839	-1.639	0.800
3	C1_Biased	-0.902	-1.970	1.068
3	A82_Unbiased	-1.608	-2.378	0.770
3	A83_Unbiased	0.040	-2.095	2.135
3	B4_Unbiased	-2.598	-2.567	-0.031
3	B5_Unbiased	-0.996	-1.938	0.942
3	C2_Unbiased	-0.431	-2.426	1.995
10	A85_Biased	-1.200	-0.086	-1.114
10	A86_Biased	0.386	-1.489	1.885
10	B6_Biased	0.495	-1.247	1.742
10	C3_Biased	-1.875	-0.557	-1.318
10	C4_Biased	-0.902	-1.216	0.314
10	A87_Unbiased	-0.933	-1.514	0.581
10	A88_Unbiased	-0.776	-2.221	1.445
10	B7_Unbiased	-1.342	-1.357	0.015
10	C5_Unbiased	-0.839	-0.745	-0.094
10	C6_Unbiased	-0.682	-0.651	-0.031
0	106_Corr	1.109	1.109	0.000
30	A89_Biased	-1.075	0.779	-1.854
30	B8_Biased	-1.765	1.156	-2.921
30	B9_Biased	-0.509	1.172	-1.681
30	C7_Biased	-1.577	0.214	-1.791
30	C9_Biased	-1.342	0.214	-1.556
30	A90_Unbiased	-0.996	1.031	-2.027
30	B10_Unbiased	-1.342	1.486	-2.828
30	B11_Unbiased	-1.844	1.721	-3.565
30	C11_Unbiased	-1.294	0.701	-1.995
30	C12_Unbiased	-0.400	1.470	-1.870
0	106_Corr	0.701	0.701	0.000
0	15B_Corr	1.439	1.439	0.000
50	A92_Biased	-0.258	0.355	-0.613
50	A93_Biased	-1.137	-0.053	-1.084
50	B12_Biased	-0.996	0.764	-1.760
50	B13_Biased	-1.059	1.266	-2.325
50	C14_Biased	-0.086	1.486	-1.572
50	A95_Unbiased	-0.415	0.968	-1.383
50	A96_Unbiased	-1.043	0.968	-2.011
50	B15_Unbiased	-0.038	0.999	-1.037
50	B16_Unbiased	-1.263	0.465	-1.728
50	C15_Unbiased	-0.400	0.921	-1.321
0	106_Corr	1.109	1.109	0.000
100	A97_Biased	-1.059	5.434	-6.493
100	A99_Biased	-1.436	5.922	-7.358
100	A100_Biased	-0.274	3.422	-3.696
100	A101_Biased	-0.745	6.205	-6.950
100	A102_Biased	-0.949	3.925	-4.874
100	A104_Biased	-0.651	6.645	-7.296
100	A105_Biased	-0.635	4.632	-5.267
100	B17_Biased	-1.137	5.277	-6.414
100	B18_Biased	-1.436	5.214	-6.650
100	B19_Biased	-0.745	2.667	-3.412
100	B20_Biased	-0.400	3.988	-4.388
100	B21_Biased	0.229	5.088	-4.859
100	B24_Biased	-0.588	2.903	-3.491
100	B25_Biased	-0.447	5.481	-5.928
100	B26_Biased	-1.499	5.497	-6.996
100	C16_Biased	-0.352	6.283	-6.635
100	C17_Biased	-0.086	4.271	-4.357
100	C18_Biased	-0.415	2.478	-2.893
100	C19_Biased	-0.086	5.607	-5.693
100	C25_Biased	0.558	5.073	-4.515
100	C26_Biased	-0.666	3.721	-4.387
100	C31_Biased	-0.996	5.985	-6.981
100	A107_Unbiased	0.276	2.101	-1.825
100	A108_Unbiased	-1.593	6.723	-8.316
100	A109_Unbiased	-1.765	3.013	-4.778
100	A110_Unbiased	0.072	4.915	-4.843
100	A111_Unbiased	-1.043	3.941	-4.984
100	A112_Unbiased	-1.797	3.249	-5.046
100	A113_Unbiased	0.809	6.173	-5.364
100	B27_Unbiased	-0.557	3.532	-4.089
100	B29_Unbiased	-1.043	6.079	-7.122
100	B30_Unbiased	-1.059	3.406	-4.465
100	B31_Unbiased	-1.059	5.686	-6.745
100	B32_Unbiased	-0.871	2.384	-3.255
100	B33_Unbiased	-0.776	3.862	-4.638
100	B34_Unbiased	-1.860	6.236	-8.096
100	B35_Unbiased	-0.714	2.400	-3.114
100	C32_Unbiased	-1.483	3.563	-5.046
100	C33_Unbiased	-1.216	6.598	-7.814
100	C34_Unbiased	-0.352	6.582	-6.934
100	C35_Unbiased	-1.028	6.205	-7.233
100	C36_Unbiased	-1.813	2.966	-4.779
100	C37_Unbiased	-1.608	3.359	-4.967
100	C38_Unbiased	-0.117	6.220	-6.337
	Max	1.439	6.723	2.135
	Average	-0.786	2.724	-3.011
	Min	-2.598	-2.567	-8.316
	Std Dev	0.763	2.845	2.872

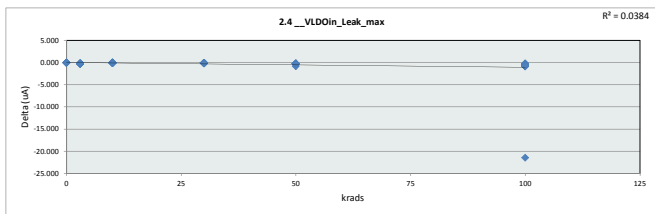


2.3_VDDQSN5_I_Leak_min						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
Krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	-1.907	-2.567	-2.221	0.214	-0.053	2.101
Average	1.258	-2.021	-1.109	0.994	0.814	4.657
Max	4.947	-1.073	-0.086	1.721	1.486	6.723
UL	50.000	50.000	50.000	50.000	50.000	50.000

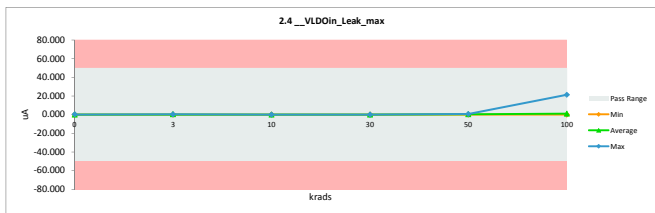


TID 100krad LDR Report
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2.4_VLD0in_Leak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50			
Min Limit	-50			
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.285	0.285	0.000
3	A79_Biased	0.031	0.253	-0.222
3	A80_Biased	0.007	0.253	-0.246
3	B1_Biased	0.016	0.251	-0.235
3	B2_Biased	0.013	0.231	-0.218
3	C1_Biased	0.026	0.272	-0.246
3	A82_Unbiased	0.007	0.262	-0.255
3	A83_Unbiased	0.027	0.247	-0.220
3	B4_Unbiased	0.061	0.240	-0.179
3	B5_Unbiased	-0.009	0.245	-0.254
3	C2_Unbiased	0.065	0.316	-0.251
10	A85_Biased	0.004	0.030	-0.026
10	A86_Biased	-0.011	0.049	-0.060
10	B6_Biased	-0.023	0.084	-0.107
10	C3_Biased	0.023	0.143	-0.120
10	C4_Biased	0.010	0.120	-0.110
10	A87_Unbiased	0.024	0.034	-0.010
10	A88_Unbiased	0.067	0.054	0.013
10	B7_Unbiased	0.013	-0.002	0.015
10	C5_Unbiased	0.020	0.073	-0.053
10	C6_Unbiased	0.048	0.056	-0.008
0	106_Corr	0.083	0.083	0.000
30	A89_Biased	0.026	0.092	-0.066
30	B8_Biased	0.044	0.142	-0.098
30	B9_Biased	0.015	0.144	-0.129
30	C7_Biased	0.026	0.194	-0.168
30	C9_Biased	0.046	0.158	-0.112
30	A90_Unbiased	0.032	0.100	-0.068
30	B10_Unbiased	-0.052	0.114	-0.166
30	B11_Unbiased	-0.040	0.068	-0.108
30	C11_Unbiased	0.162	0.124	-0.038
30	C12_Unbiased	0.030	0.098	-0.068
0	106_Corr	0.054	0.054	0.000
0	15B_Corr	0.074	0.074	0.000
50	A92_Biased	0.031	0.235	-0.204
50	A93_Biased	0.063	0.286	-0.223
50	B12_Biased	-0.047	0.234	-0.281
50	B13_Biased	-0.004	0.844	-0.848
50	C14_Biased	0.044	0.427	-0.383
50	A95_Unbiased	0.021	0.251	-0.230
50	A96_Unbiased	0.019	0.237	-0.218
50	B15_Unbiased	-0.018	0.241	-0.259
50	B16_Unbiased	0.019	0.225	-0.206
50	C15_Unbiased	0.029	0.280	-0.251
0	106_Corr	0.083	0.107	-0.024
100	A97_Biased	0.064	0.540	-0.476
100	A99_Biased	0.021	0.580	-0.559
100	A100_Biased	0.016	0.548	-0.532
100	A101_Biased	0.021	0.376	-0.355
100	A102_Biased	0.033	0.178	-0.145
100	A104_Biased	-0.054	0.572	-0.626
100	A105_Biased	0.012	0.460	-0.448
100	B17_Biased	0.003	0.575	-0.572
100	B18_Biased	-0.032	0.543	-0.575
100	B19_Biased	-0.044	0.553	-0.597
100	B20_Biased	0.036	0.626	-0.590
100	B21_Biased	-0.028	0.578	-0.606
100	B24_Biased	-0.010	0.590	-0.600
100	B25_Biased	-0.001	0.499	-0.500
100	B26_Biased	-0.032	0.460	-0.492
100	C16_Biased	0.026	0.639	-0.613
100	C17_Biased	0.021	0.724	-0.703
100	C18_Biased	0.011	0.536	-0.525
100	C19_Biased	0.024	0.906	-0.882
100	C25_Biased	0.056	0.882	-0.826
100	C26_Biased	0.026	0.606	-0.580
100	C31_Biased	0.050	0.779	-0.729
100	A107_Unbiased	-0.003	0.680	-0.683
100	A108_Unbiased	0.012	0.591	-0.579
100	A109_Unbiased	0.021	0.621	-0.600
100	A110_Unbiased	0.019	0.605	-0.586
100	A111_Unbiased	0.009	0.621	-0.612
100	A112_Unbiased	-0.017	0.406	-0.423
100	A113_Unbiased	0.005	0.552	-0.547
100	B27_Unbiased	0.032	21.491	-21.459
100	B29_Unbiased	0.017	0.720	-0.703
100	B30_Unbiased	0.041	0.636	-0.595
100	B31_Unbiased	-0.052	0.423	-0.475
100	B32_Unbiased	0.024	0.308	-0.284
100	B33_Unbiased	-0.057	0.551	-0.608
100	B34_Unbiased	0.021	0.562	-0.541
100	B35_Unbiased	0.020	0.711	-0.691
100	C32_Unbiased	0.021	0.683	-0.662
100	C33_Unbiased	0.010	0.393	-0.383
100	C34_Unbiased	0.011	0.581	-0.570
100	C35_Unbiased	0.018	0.765	-0.747
100	C36_Unbiased	0.028	0.638	-0.610
100	C37_Unbiased	0.032	0.676	-0.644
100	C38_Unbiased	0.020	0.688	-0.668
	Max	0.285	21.491	0.015
	Average	0.020	0.618	-0.598
	Min	-0.057	-0.002	-21.459
	Std Dev	0.042	2.251	2.250

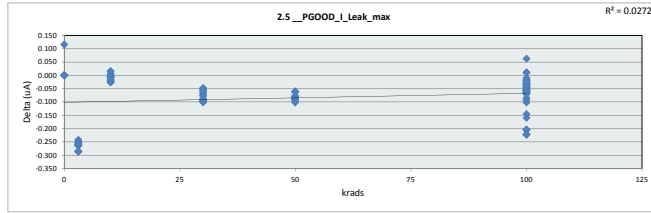


2.4_VLD0in_Leak_max						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	50	uA				
Min Limit	-50	uA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	0.054	0.231	-0.002	0.068	0.225	0.178
Average	0.121	0.257	0.064	0.127	0.326	1.060
Max	0.285	0.316	0.143	0.194	0.844	21.491
UL	50.000	50.000	50.000	50.000	50.000	50.000

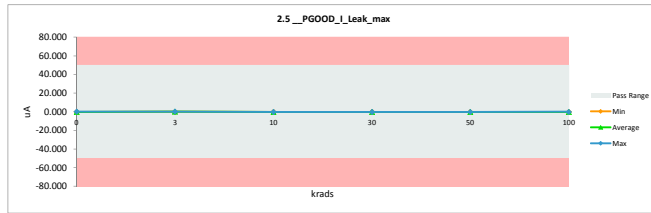


TID 100krad LDR Report
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2.5_PGOOD_I_Leak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50	50		
Min Limit	-50	-50		
Krads	Serial #	PreRad_LDR	PostRad_LDR	
0	C35_Corr	0.083	0.083	0.000
3	A79_Biased	-0.175	0.067	-0.242
3	A80_Biased	-0.166	0.091	-0.257
3	B1_Biased	-0.173	0.076	-0.249
3	B2_Biased	-0.189	0.074	-0.262
3	C1_Biased	-0.200	0.085	-0.285
3	A82_Unbiased	-0.168	0.084	-0.253
3	A83_Unbiased	-0.184	0.076	-0.260
3	B4_Unbiased	-0.163	0.100	-0.263
3	B5_Unbiased	-0.175	0.085	-0.260
3	C2_Unbiased	-0.192	0.094	-0.286
10	A85_Biased	-0.173	-0.159	-0.005
10	A86_Biased	-0.177	-0.184	0.006
10	B6_Biased	-0.186	-0.184	-0.002
10	C3_Biased	-0.197	-0.177	-0.020
10	C4_Biased	-0.189	-0.184	-0.005
10	A87_Unbiased	-0.185	-0.161	-0.024
10	A88_Unbiased	-0.174	-0.166	-0.008
10	B7_Unbiased	-0.176	-0.191	0.016
10	C5_Unbiased	-0.194	-0.180	-0.015
10	C6_Unbiased	-0.204	-0.178	-0.026
0	106_Corr	-0.104	-0.104	0.000
30	A89_Biased	-0.190	-0.124	-0.066
30	B8_Biased	-0.156	-0.109	-0.047
30	B9_Biased	-0.191	-0.102	-0.089
30	C7_Biased	-0.190	-0.096	-0.094
30	C9_Biased	-0.191	-0.114	-0.077
30	A90_Unbiased	-0.178	-0.103	-0.075
30	B10_Unbiased	-0.178	-0.127	-0.051
30	B11_Unbiased	-0.181	-0.123	-0.058
30	C11_Unbiased	-0.213	-0.113	-0.100
30	C12_Unbiased	-0.211	-0.114	-0.097
0	106_Corr	-0.117	-0.117	0.000
0	15B_Corr	-0.090	-0.090	0.000
50	A92_Biased	-0.153	-0.093	-0.060
50	A93_Biased	-0.171	-0.108	-0.063
50	B12_Biased	-0.178	-0.101	-0.077
50	B13_Biased	-0.186	-0.100	-0.086
50	C14_Biased	-0.201	-0.111	-0.089
50	A95_Unbiased	-0.189	-0.098	-0.090
50	A96_Unbiased	-0.171	-0.090	-0.080
50	B15_Unbiased	-0.183	-0.105	-0.079
50	B16_Unbiased	-0.197	-0.103	-0.094
50	C15_Unbiased	-0.209	-0.107	-0.102
0	106_Corr	-0.104	-0.104	0.000
100	A97_Biased	-0.189	-0.118	-0.070
100	A99_Biased	-0.194	-0.135	-0.059
100	A100_Biased	-0.178	-0.122	-0.056
100	A101_Biased	-0.185	-0.122	-0.063
100	A102_Biased	-0.180	-0.141	-0.039
100	A104_Biased	-0.175	-0.084	-0.090
100	A105_Biased	-0.173	-0.159	-0.014
100	B17_Biased	-0.184	-0.082	-0.102
100	B18_Biased	-0.174	-0.154	-0.020
100	B19_Biased	-0.182	-0.135	-0.046
100	B20_Biased	-0.171	-0.126	-0.044
100	B21_Biased	-0.174	-0.131	-0.043
100	B24_Biased	-0.168	-0.140	-0.028
100	B25_Biased	-0.176	-0.143	-0.033
100	B26_Biased	-0.173	-0.116	-0.057
100	C16_Biased	-0.198	-0.053	-0.145
100	C17_Biased	-0.196	-0.036	-0.159
100	C18_Biased	-0.206	-0.160	-0.045
100	C19_Biased	-0.204	-0.119	-0.085
100	C25_Biased	-0.199	-0.170	-0.029
100	C26_Biased	-0.197	-0.132	-0.065
100	C31_Biased	-0.206	-0.142	-0.064
100	A107_Unbiased	-0.167	-0.134	-0.033
100	A108_Unbiased	-0.195	-0.146	-0.049
100	A109_Unbiased	-0.202	-0.213	0.011
100	A110_Unbiased	-0.196	0.008	-0.204
100	A111_Unbiased	-0.172	-0.119	-0.059
100	A112_Unbiased	-0.194	0.026	-0.220
100	A113_Unbiased	-0.168	-0.151	-0.017
100	B27_Unbiased	-0.189	-0.160	-0.029
100	B29_Unbiased	-0.185	-0.136	-0.049
100	B30_Unbiased	-0.177	-0.187	0.010
100	B31_Unbiased	-0.182	-0.138	-0.044
100	B32_Unbiased	-0.175	-0.108	-0.066
100	B33_Unbiased	-0.179	0.024	-0.203
100	B34_Unbiased	-0.182	0.022	-0.203
100	B35_Unbiased	-0.191	0.032	-0.223
100	C32_Unbiased	-0.202	-0.265	0.063
100	C33_Unbiased	-0.195	-0.185	-0.010
100	C34_Unbiased	-0.201	-0.145	-0.056
100	C35_Unbiased	-0.184	-0.128	-0.056
100	C36_Unbiased	-0.182	-0.158	-0.024
100	C37_Unbiased	-0.216	-0.167	-0.050
100	C38_Unbiased	-0.189	0.033	-0.222
	Max	0.083	0.100	0.115
	Average	-0.179	-0.097	-0.081
	Min	-0.216	-0.265	-0.286
	Std Dev	0.035	0.086	0.086

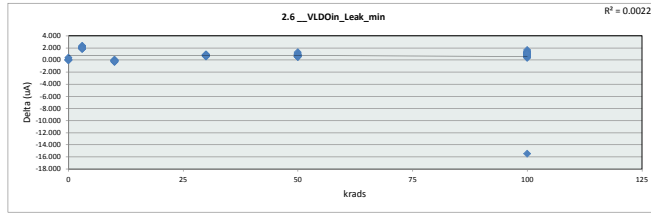


2.5_PGOOD_I_Leak_max						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	50	uA				
Min Limit	-50	uA				
Krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	-0.219	0.067	-0.191	-0.127	-0.111	-0.265
Average	-0.089	0.083	-0.177	-0.113	-0.102	-0.116
Max	0.084	0.100	-0.161	-0.096	-0.090	0.033
UL	50.000	50.000	50.000	50.000	50.000	50.000

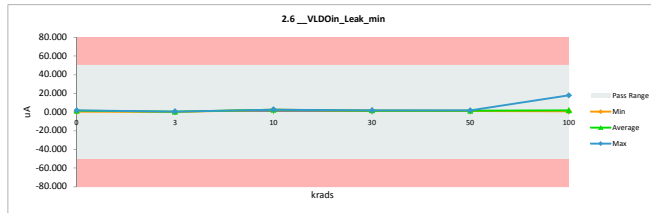


TID 100krad LDR Report
TPS7H3301-SP

2.6_VLD0in_Leak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50			
Min Limit	-50			
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.361	0.361	0.000
3	A79_Biased	2.309	0.465	1.844
3	A80_Biased	2.462	0.331	2.131
3	B1_Biased	2.650	0.318	2.332
3	B2_Biased	2.336	0.229	2.107
3	C1_Biased	2.415	0.309	2.106
3	A82_Unbiased	2.651	0.551	2.100
3	A83_Unbiased	2.442	0.585	1.857
3	B4_Unbiased	2.286	0.323	1.963
3	B5_Unbiased	2.366	0.479	1.887
3	C2_Unbiased	2.268	0.362	1.906
10	A85_Biased	2.591	2.588	0.003
10	A86_Biased	2.603	2.611	-0.008
10	B6_Biased	2.503	2.563	-0.060
10	C3_Biased	2.233	2.532	-0.299
10	C4_Biased	2.504	2.663	-0.159
10	A87_Unbiased	2.445	2.539	-0.094
10	A88_Unbiased	2.302	2.490	-0.188
10	B7_Unbiased	2.486	2.635	-0.149
10	C5_Unbiased	2.441	2.530	-0.089
10	C6_Unbiased	2.272	2.521	-0.249
0	106_Corr	1.853	1.853	0.000
30	A89_Biased	2.360	1.762	0.598
30	B8_Biased	2.321	1.506	0.815
30	B9_Biased	2.295	1.577	0.718
30	C7_Biased	2.521	1.666	0.855
30	C9_Biased	2.300	1.640	0.660
30	A90_Unbiased	2.506	1.654	0.852
30	B10_Unbiased	2.253	1.619	0.634
30	B11_Unbiased	2.451	1.714	0.737
30	C11_Unbiased	2.531	1.597	0.934
30	C12_Unbiased	2.228	1.516	0.712
0	106_Corr	1.839	1.839	0.000
0	15B_Corr	1.931	1.931	0.000
50	A92_Biased	2.518	1.610	0.908
50	A93_Biased	2.217	1.406	0.811
50	B12_Biased	2.497	1.742	0.755
50	B13_Biased	2.172	1.136	1.036
50	C14_Biased	2.288	1.021	1.267
50	A95_Unbiased	2.472	1.625	0.847
50	A96_Unbiased	2.364	1.748	0.616
50	B15_Unbiased	2.314	1.800	0.514
50	B16_Unbiased	2.318	1.800	0.518
50	C15_Unbiased	2.327	1.807	0.520
0	106_Corr	1.853	1.853	0.000
100	A97_Biased	2.297	1.632	0.665
100	A99_Biased	2.461	1.321	1.140
100	A100_Biased	2.480	1.460	1.020
100	A101_Biased	2.386	1.539	0.847
100	A102_Biased	2.312	1.947	0.365
100	A104_Biased	2.681	1.450	1.231
100	A105_Biased	2.342	1.452	0.890
100	B17_Biased	2.174	1.076	1.098
100	B18_Biased	2.379	1.450	0.929
100	B19_Biased	2.367	1.289	1.078
100	B20_Biased	2.462	2.101	0.361
100	B21_Biased	2.472	1.473	0.999
100	B24_Biased	2.407	1.406	1.001
100	B25_Biased	2.472	1.640	0.832
100	B26_Biased	2.422	1.437	0.985
100	C16_Biased	2.407	0.758	1.649
100	C17_Biased	2.413	1.506	0.907
100	C18_Biased	2.522	1.405	1.117
100	C19_Biased	2.397	0.967	1.430
100	C25_Biased	2.253	1.226	1.027
100	C26_Biased	2.198	1.462	0.736
100	C31_Biased	2.330	1.332	0.998
100	A107_Unbiased	2.371	1.139	1.232
100	A108_Unbiased	2.318	1.287	1.031
100	A109_Unbiased	2.257	1.557	0.700
100	A110_Unbiased	2.335	1.451	0.884
100	A111_Unbiased	2.357	1.356	1.011
100	A112_Unbiased	2.402	1.214	1.188
100	A113_Unbiased	2.342	1.539	0.803
100	B27_Unbiased	2.403	17.866	-15.463
100	B29_Unbiased	2.328	1.061	1.267
100	B30_Unbiased	2.462	1.273	1.189
100	B31_Unbiased	2.490	1.482	1.008
100	B32_Unbiased	2.318	1.715	0.603
100	B33_Unbiased	2.308	1.346	0.962
100	B34_Unbiased	2.309	1.383	1.026
100	B35_Unbiased	2.237	1.149	1.088
100	C32_Unbiased	2.371	1.212	1.159
100	C33_Unbiased	2.510	1.576	0.934
100	C34_Unbiased	2.222	1.466	0.756
100	C35_Unbiased	2.362	1.539	0.823
100	C36_Unbiased	2.441	1.170	1.271
100	C37_Unbiased	2.332	1.194	1.138
100	C38_Unbiased	2.403	1.299	1.104
	Max	2.681	17.866	2.332
	Average	2.540	1.646	0.695
	Min	0.361	0.229	-15.463
	Std Dev	0.261	1.832	1.831

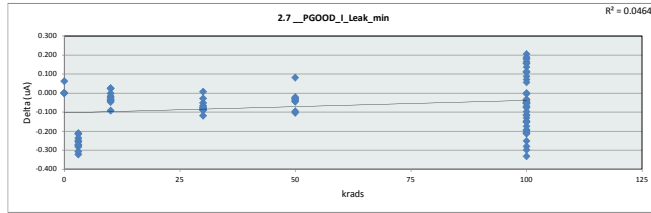


2.6_VLD0in_Leak_min						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50 uA					
Min Limit	-50 uA					
Krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	0.361	0.229	2.490	1.506	1.021	0.758
Average	1.494	0.395	2.567	1.627	1.570	1.759
Max	1.931	0.585	2.663	1.762	1.807	17.866
UL	50.000	50.000	50.000	50.000	50.000	50.000

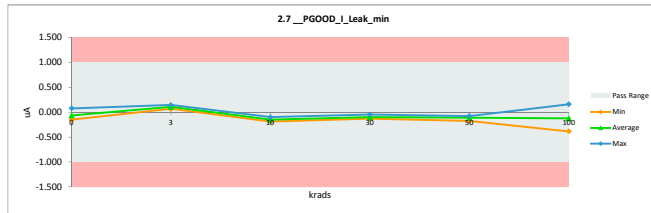


TID 100krad LDR Report
TPS7H3301-SP

2.7_PGOOD_I_Leak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	1			
Min Limit	-1	-1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.077	0.077	0.000
3	A79_Biased	-0.208	0.066	-0.274
3	A80_Biased	-0.084	0.127	-0.211
3	B1_Biased	-0.130	0.086	-0.216
3	B2_Biased	-0.170	0.113	-0.283
3	C1_Biased	-0.178	0.144	-0.322
3	A82_Unbiased	-0.136	0.115	-0.250
3	A83_Unbiased	-0.170	0.068	-0.238
3	B4_Unbiased	-0.137	0.121	-0.258
3	B5_Unbiased	-0.162	0.110	-0.272
3	C2_Unbiased	-0.183	0.125	-0.308
10	A85_Biased	-0.164	-0.187	0.023
10	A86_Biased	-0.164	-0.142	-0.022
10	B6_Biased	-0.126	-0.125	-0.002
10	C3_Biased	-0.209	-0.169	-0.041
10	C4_Biased	-0.170	-0.133	-0.038
10	A87_Unbiased	-0.147	-0.100	-0.047
10	A88_Unbiased	-0.183	-0.151	-0.031
10	B7_Unbiased	-0.140	-0.165	0.025
10	C5_Unbiased	-0.239	-0.147	-0.092
10	C6_Unbiased	-0.181	-0.164	-0.017
0	106_Corr	-0.090	-0.090	0.000
30	A89_Biased	-0.190	-0.112	-0.079
30	B8_Biased	-0.117	-0.124	0.007
30	B9_Biased	-0.165	-0.113	-0.052
30	C7_Biased	-0.176	-0.088	-0.088
30	C9_Biased	-0.179	-0.112	-0.068
30	A90_Unbiased	-0.206	-0.129	-0.077
30	B10_Unbiased	-0.169	-0.049	-0.119
30	B11_Unbiased	-0.161	-0.085	-0.076
30	C11_Unbiased	-0.159	-0.130	-0.029
30	C12_Unbiased	-0.156	-0.065	-0.091
0	106_Corr	-0.060	-0.060	0.000
0	158_Corr	-0.094	-0.094	0.000
50	A92_Biased	-0.120	-0.088	-0.032
50	A93_Biased	-0.095	-0.176	0.081
50	B12_Biased	-0.153	-0.107	-0.046
50	B13_Biased	-0.158	-0.121	-0.037
50	C14_Biased	-0.134	-0.107	-0.027
50	A95_Unbiased	-0.147	-0.102	-0.044
50	A96_Unbiased	-0.147	-0.124	-0.022
50	B15_Unbiased	-0.189	-0.084	-0.105
50	B16_Unbiased	-0.150	-0.123	-0.027
50	C15_Unbiased	-0.122	-0.076	-0.046
0	106_Corr	-0.090	-0.090	0.000
100	A97_Biased	-0.170	-0.052	-0.118
100	A99_Biased	-0.162	-0.015	-0.148
100	A100_Biased	-0.156	-0.321	0.165
100	A101_Biased	-0.144	-0.088	-0.056
100	A102_Biased	-0.140	-0.297	0.157
100	A104_Biased	-0.200	-0.165	-0.035
100	A105_Biased	-0.178	-0.002	-0.176
100	B17_Biased	-0.179	-0.385	0.206
100	B18_Biased	-0.169	-0.240	0.071
100	B19_Biased	-0.162	-0.032	-0.131
100	B20_Biased	-0.126	-0.049	-0.077
100	B21_Biased	-0.117	-0.226	0.109
100	B24_Biased	-0.144	-0.280	0.137
100	B25_Biased	-0.170	0.037	-0.207
100	B26_Biased	-0.164	-0.093	-0.071
100	C16_Biased	-0.187	-0.072	-0.115
100	C17_Biased	-0.189	0.064	-0.252
100	C18_Biased	-0.140	-0.329	0.188
100	C19_Biased	-0.200	-0.255	0.056
100	C25_Biased	-0.181	0.015	-0.196
100	C26_Biased	-0.204	-0.054	-0.151
100	C31_Biased	-0.201	-0.047	-0.154
100	A107_Unbiased	-0.165	0.046	-0.212
100	A108_Unbiased	-0.144	-0.326	0.182
100	A109_Unbiased	-0.214	-0.021	-0.193
100	A110_Unbiased	-0.162	-0.090	-0.073
100	A111_Unbiased	-0.193	-0.144	-0.049
100	A112_Unbiased	-0.175	-0.077	-0.098
100	A113_Unbiased	-0.184	-0.132	-0.052
100	B27_Unbiased	-0.186	-0.137	-0.049
100	B29_Unbiased	-0.090	-0.200	0.110
100	B30_Unbiased	-0.167	-0.129	-0.038
100	B31_Unbiased	-0.153	-0.240	0.087
100	B32_Unbiased	-0.176	-0.289	0.113
100	B33_Unbiased	-0.169	0.045	-0.213
100	B34_Unbiased	-0.172	-0.333	0.161
100	B35_Unbiased	-0.192	0.088	-0.280
100	C32_Unbiased	-0.105	-0.099	-0.006
100	C33_Unbiased	-0.204	-0.171	-0.034
100	C34_Unbiased	-0.153	-0.307	0.154
100	C35_Unbiased	-0.159	-0.158	-0.001
100	C36_Unbiased	-0.131	-0.308	0.177
100	C37_Unbiased	-0.178	-0.124	-0.054
100	C38_Unbiased	-0.229	0.070	-0.299
	Max	0.077	0.162	-0.205
	Average	-0.158	-0.065	-0.093
	Min	-0.239	-0.385	-0.333
	Std Dev	0.042	0.122	0.129

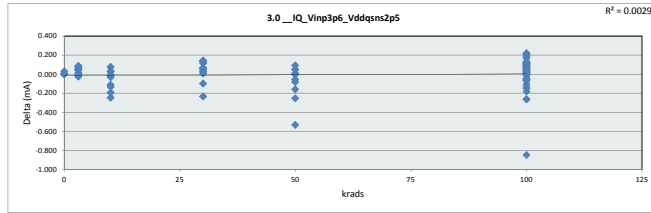


2.7_PGOOD_I_Leak_min						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1	uA				
Min Limit	-1	uA				
Krads	0	3	10	30	50	100
LL	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Min	-0.152	0.066	-0.187	-0.130	-0.176	-0.385
Average	-0.064	0.108	-0.148	-0.101	-0.111	-0.123
Max	0.077	0.144	-0.100	-0.049	-0.076	0.162
UL	1.000	1.000	1.000	1.000	1.000	1.000

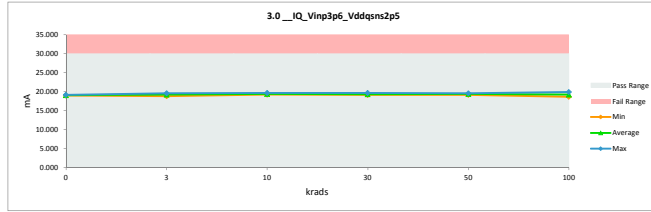


TID 100krad LDR Report
TPS7H3301-SP

3.0_IQ_Vinp3p6_Vddqns2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	19.080	19.080	0.000
3	A79_Biased	19.358	19.313	0.045
3	A80_Biased	19.142	19.168	-0.026
3	B1_Biased	19.587	19.538	0.049
3	B2_Biased	18.869	18.785	0.084
3	C1_Biased	18.872	18.862	0.010
3	A82_Unbiased	19.482	19.441	0.041
3	A83_Unbiased	19.403	19.334	0.069
3	B4_Unbiased	18.941	18.858	0.083
3	B5_Unbiased	19.165	19.178	-0.013
3	C2_Unbiased	19.263	19.274	-0.011
10	A85_Biased	19.587	19.595	-0.008
10	A86_Biased	19.244	19.196	-0.112
10	B6_Biased	19.135	19.382	-0.247
10	C3_Biased	19.422	19.616	-0.194
10	C4_Biased	19.125	19.259	-0.134
10	A87_Unbiased	19.244	19.167	0.077
10	A88_Unbiased	19.452	19.425	0.027
10	B7_Unbiased	19.247	19.215	0.032
10	C5_Unbiased	19.176	19.183	-0.007
10	C6_Unbiased	19.300	19.333	-0.033
0	I06_Corr	19.092	19.092	0.000
30	A89_Biased	19.228	19.113	0.115
30	B8_Biased	19.377	19.347	0.030
30	B9_Biased	19.643	19.595	0.048
30	C7_Biased	19.205	19.141	0.064
30	C9_Biased	19.233	19.171	0.062
30	A90_Unbiased	19.537	19.400	0.137
30	B10_Unbiased	19.343	19.576	-0.233
30	B11_Unbiased	19.154	19.252	-0.098
30	C11_Unbiased	19.307	19.307	0.000
30	C12_Unbiased	19.384	19.240	0.144
0	I06_Corr	19.144	19.144	0.000
0	I5B_Corr	18.936	18.936	0.000
50	A92_Biased	19.488	19.480	0.008
50	A93_Biased	19.204	19.113	0.091
50	B12_Biased	19.391	19.550	-0.159
50	B13_Biased	18.923	19.456	-0.533
50	C14_Biased	19.254	19.338	-0.084
50	A95_Unbiased	19.426	19.377	0.049
50	A96_Unbiased	19.303	19.309	-0.006
50	B15_Unbiased	19.341	19.398	-0.057
50	B16_Unbiased	19.597	19.550	0.047
50	C15_Unbiased	19.194	19.449	-0.255
0	I06_Corr	19.092	19.092	0.000
100	A97_Biased	19.553	19.385	0.168
100	A99_Biased	19.201	19.104	0.097
100	A100_Biased	19.469	19.388	0.081
100	A101_Biased	19.429	19.224	0.205
100	A102_Biased	19.451	19.263	0.188
100	A104_Biased	18.645	18.827	-0.182
100	A105_Biased	19.146	19.034	0.112
100	B17_Biased	19.220	19.326	-0.106
100	B18_Biased	19.223	19.286	-0.063
100	B19_Biased	19.013	19.278	-0.265
100	B20_Biased	19.336	19.233	0.103
100	B21_Biased	19.502	19.379	0.123
100	B24_Biased	19.034	19.092	-0.058
100	B25_Biased	19.178	19.105	0.073
100	B26_Biased	18.994	19.051	-0.057
100	C16_Biased	19.226	19.117	0.109
100	C17_Biased	19.438	19.323	0.115
100	C18_Biased	19.055	19.033	0.022
100	C19_Biased	19.102	19.118	-0.016
100	C25_Biased	19.481	19.471	0.010
100	C26_Biased	19.051	19.098	-0.047
100	C31_Biased	19.398	19.324	0.074
100	A107_Unbiased	19.410	19.357	0.053
100	A108_Unbiased	19.650	19.619	0.031
100	A109_Unbiased	18.678	18.595	0.083
100	A110_Unbiased	19.100	19.089	0.011
100	A111_Unbiased	19.225	19.126	0.099
100	A112_Unbiased	19.223	19.291	-0.068
100	A113_Unbiased	19.111	19.262	-0.151
100	B27_Unbiased	19.064	19.914	-0.850
100	B29_Unbiased	19.293	19.201	0.092
100	B30_Unbiased	19.573	19.584	-0.019
100	B31_Unbiased	19.059	19.191	-0.132
100	B32_Unbiased	19.610	19.394	0.216
100	B33_Unbiased	19.089	19.352	-0.263
100	B34_Unbiased	19.382	19.268	0.114
100	B35_Unbiased	19.442	19.384	0.058
100	C32_Unbiased	19.238	19.193	0.045
100	C33_Unbiased	19.354	19.328	0.026
100	C34_Unbiased	19.458	19.410	0.048
100	C35_Unbiased	19.074	19.075	-0.001
100	C36_Unbiased	19.043	19.029	0.014
100	C37_Unbiased	19.353	19.307	0.046
100	C38_Unbiased	19.334	19.200	0.134
	Max	19.650	19.914	0.219
	Average	19.254	19.258	-0.004
	Min	18.645	18.595	-0.850
	Std Dev	0.208	0.204	0.151

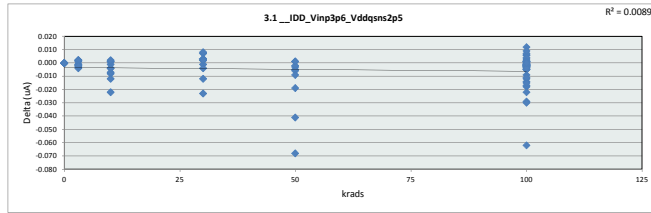


3.0_IQ_Vinp3p6_Vddqns2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.936	18.785	19.167	19.113	19.113	18.595
Average	19.063	19.175	19.337	19.314	19.402	19.236
Max	19.144	19.538	19.616	19.595	19.550	19.914
UL	30.000	30.000	30.000	30.000	30.000	30.000

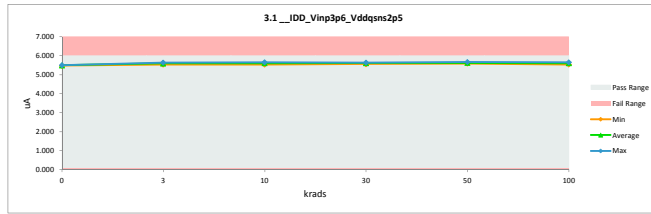


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3.1 IDD_Vinp3p6_Vddqns2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.486	5.486	0.000
3	A79_Biased	5.633	5.634	-0.001
3	A80_Biased	5.631	5.634	-0.003
3	B1_Biased	5.643	5.642	0.001
3	B2_Biased	5.544	5.542	0.002
3	C1_Biased	5.537	5.539	-0.002
3	A82_Unbiased	5.625	5.626	-0.001
3	A83_Unbiased	5.643	5.641	0.002
3	B4_Unbiased	5.562	5.560	0.002
3	B5_Unbiased	5.597	5.601	-0.004
3	C2_Unbiased	5.576	5.578	-0.002
10	A85_Biased	5.636	5.637	-0.001
10	A86_Biased	5.605	5.603	-0.008
10	B6_Biased	5.607	5.629	-0.022
10	C3_Biased	5.641	5.653	-0.012
10	C4_Biased	5.534	5.541	-0.007
10	A87_Unbiased	5.632	5.631	0.001
10	A88_Unbiased	5.598	5.597	0.001
10	B7_Unbiased	5.610	5.608	0.002
10	C5_Unbiased	5.569	5.573	-0.004
10	C6_Unbiased	5.597	5.601	-0.004
0	106_Corr	5.526	5.526	0.000
30	A89_Biased	5.628	5.625	0.003
30	B8_Biased	5.636	5.634	0.002
30	B9_Biased	5.634	5.635	-0.001
30	C7_Biased	5.562	5.566	-0.004
30	C9_Biased	5.609	5.606	0.003
30	A90_Unbiased	5.644	5.637	0.007
30	B10_Unbiased	5.608	5.631	-0.023
30	B11_Unbiased	5.612	5.624	-0.012
30	C11_Unbiased	5.589	5.587	0.002
30	C12_Unbiased	5.581	5.573	0.008
0	106_Corr	5.508	5.508	0.000
0	15B_Corr	5.482	5.482	0.000
50	A92_Biased	5.631	5.634	-0.003
50	A93_Biased	5.590	5.589	0.001
50	B12_Biased	5.622	5.641	-0.019
50	B13_Biased	5.630	5.671	-0.041
50	C14_Biased	5.584	5.589	-0.005
50	A95_Unbiased	5.655	5.657	-0.002
50	A96_Unbiased	5.608	5.614	-0.006
50	B15_Unbiased	5.625	5.634	-0.009
50	B16_Unbiased	5.631	5.630	0.001
50	C15_Unbiased	5.535	5.603	-0.068
0	106_Corr	5.526	5.526	0.000
100	A97_Biased	5.658	5.652	0.006
100	A99_Biased	5.588	5.593	-0.005
100	A100_Biased	5.616	5.618	-0.002
100	A101_Biased	5.610	5.604	0.006
100	A102_Biased	5.603	5.591	0.012
100	A104_Biased	5.560	5.578	-0.018
100	A105_Biased	5.614	5.611	0.003
100	B17_Biased	5.589	5.603	-0.014
100	B18_Biased	5.592	5.604	-0.012
100	B19_Biased	5.615	5.644	-0.029
100	B20_Biased	5.629	5.630	-0.001
100	B21_Biased	5.635	5.636	-0.001
100	B24_Biased	5.600	5.617	-0.017
100	B25_Biased	5.577	5.575	0.002
100	B26_Biased	5.551	5.566	-0.015
100	C16_Biased	5.536	5.539	-0.003
100	C17_Biased	5.599	5.601	-0.002
100	C18_Biased	5.581	5.580	0.001
100	C19_Biased	5.594	5.597	-0.003
100	C25_Biased	5.583	5.588	-0.005
100	C26_Biased	5.549	5.549	0.000
100	C31_Biased	5.584	5.585	-0.001
100	A107_Unbiased	5.594	5.597	-0.003
100	A108_Unbiased	5.633	5.634	-0.001
100	A109_Unbiased	5.550	5.553	-0.003
100	A110_Unbiased	5.612	5.611	0.001
100	A111_Unbiased	5.630	5.632	-0.002
100	A112_Unbiased	5.621	5.630	-0.009
100	A113_Unbiased	5.598	5.620	-0.022
100	B27_Unbiased	5.577	5.639	-0.062
100	B29_Unbiased	5.622	5.627	-0.005
100	B30_Unbiased	5.639	5.632	0.007
100	B31_Unbiased	5.611	5.622	-0.011
100	B32_Unbiased	5.637	5.628	0.009
100	B33_Unbiased	5.604	5.634	-0.030
100	B34_Unbiased	5.623	5.624	-0.002
100	B35_Unbiased	5.639	5.639	0.000
100	C32_Unbiased	5.536	5.539	-0.003
100	C33_Unbiased	5.582	5.578	0.004
100	C34_Unbiased	5.634	5.636	-0.002
100	C35_Unbiased	5.537	5.537	0.001
100	C36_Unbiased	5.535	5.539	-0.004
100	C37_Unbiased	5.594	5.593	0.001
100	C38_Unbiased	5.617	5.617	0.000
	Max	5.658	5.671	0.012
	Average	5.606	5.601	-0.005
	Min	5.482	5.482	-0.068
	Std Dev	0.040	0.041	0.013

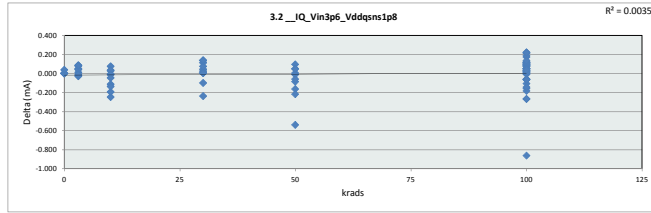


3.1 IDD_Vinp3p6_Vddqns2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.482	5.539	5.541	5.566	5.589	5.537
Average	5.498	5.600	5.607	5.612	5.626	5.603
Max	5.508	5.642	5.653	5.637	5.671	5.652
UL	6.000	6.000	6.000	6.000	6.000	6.000

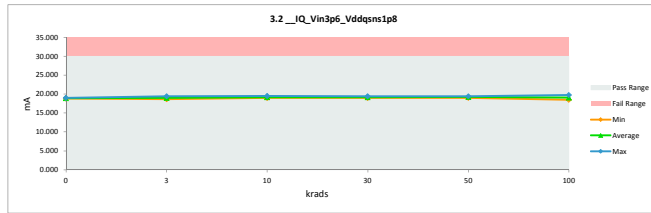


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3.2 IQ_Vin3p6_Vddqns1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	18.930	18.930	0.000
3	A79_Biased	19.209	19.162	0.047
3	A80_Biased	18.994	19.015	-0.021
3	B1_Biased	19.428	19.381	0.047
3	B2_Biased	18.723	18.637	0.086
3	C1_Biased	18.732	18.722	0.010
3	A82_Unbiased	19.330	19.287	0.043
3	A83_Unbiased	19.251	19.172	0.079
3	B4_Unbiased	18.794	18.707	0.087
3	B5_Unbiased	18.999	19.028	-0.029
3	C2_Unbiased	19.122	19.130	-0.008
10	A85_Biased	19.432	19.438	-0.006
10	A86_Biased	18.934	19.046	-0.112
10	B6_Biased	18.978	19.225	-0.247
10	C3_Biased	19.272	19.467	-0.195
10	C4_Biased	18.981	19.116	-0.135
10	A87_Unbiased	19.093	19.018	0.075
10	A88_Unbiased	19.299	19.271	0.028
10	B7_Unbiased	19.090	19.056	0.034
10	C5_Unbiased	19.021	19.032	-0.011
10	C6_Unbiased	19.114	19.158	-0.044
0	106_Corr	18.922	18.922	0.000
30	A89_Biased	19.079	18.967	0.112
30	B8_Biased	19.222	19.196	0.026
30	B9_Biased	19.490	19.446	0.044
30	C7_Biased	18.987	18.981	0.006
30	C9_Biased	19.071	18.994	0.077
30	A90_Unbiased	19.382	19.245	0.137
30	B10_Unbiased	19.185	19.421	-0.236
30	B11_Unbiased	18.998	19.099	-0.101
30	C11_Unbiased	19.166	19.162	0.004
30	C12_Unbiased	19.220	19.080	0.140
0	106_Corr	18.962	18.962	0.000
0	158_Corr	18.791	18.791	0.000
50	A92_Biased	19.336	19.330	0.006
50	A93_Biased	19.057	18.962	0.095
50	B12_Biased	19.239	19.402	-0.163
50	B13_Biased	18.769	19.309	-0.540
50	C14_Biased	19.110	19.195	-0.085
50	A95_Unbiased	19.278	19.230	0.048
50	A96_Unbiased	19.147	19.159	-0.012
50	B15_Unbiased	19.185	19.244	-0.059
50	B16_Unbiased	19.445	19.398	0.047
50	C15_Unbiased	19.039	19.256	-0.217
0	106_Corr	18.922	18.922	0.000
100	A97_Biased	19.407	19.234	0.173
100	A99_Biased	19.041	18.951	0.090
100	A100_Biased	19.321	19.241	0.080
100	A101_Biased	19.279	19.066	0.213
100	A102_Biased	19.299	19.111	0.188
100	A104_Biased	18.498	18.680	-0.182
100	A105_Biased	18.996	18.883	0.113
100	B17_Biased	19.062	19.168	-0.106
100	B18_Biased	19.073	19.137	-0.064
100	B19_Biased	18.855	19.121	-0.266
100	B20_Biased	19.187	19.077	0.110
100	B21_Biased	19.347	19.224	0.123
100	B24_Biased	18.885	18.945	-0.060
100	B25_Biased	19.028	18.956	0.072
100	B26_Biased	18.839	18.900	-0.061
100	C16_Biased	19.055	18.976	0.079
100	C17_Biased	19.275	19.162	0.113
100	C18_Biased	18.903	18.880	0.023
100	C19_Biased	18.957	18.965	-0.008
100	C25_Biased	19.321	19.324	-0.003
100	C26_Biased	18.894	18.892	0.002
100	C31_Biased	19.233	19.134	0.099
100	A107_Unbiased	19.261	19.210	0.051
100	A108_Unbiased	19.489	19.458	0.031
100	A109_Unbiased	18.532	18.450	0.082
100	A110_Unbiased	18.952	18.938	0.014
100	A111_Unbiased	19.070	18.971	0.099
100	A112_Unbiased	19.069	19.135	-0.066
100	A113_Unbiased	18.955	19.111	-0.156
100	B27_Unbiased	18.915	19.779	-0.864
100	B29_Unbiased	19.134	19.038	0.096
100	B30_Unbiased	19.422	19.198	0.224
100	B31_Unbiased	18.890	19.034	-0.144
100	B32_Unbiased	19.454	19.234	0.220
100	B33_Unbiased	18.930	19.199	-0.269
100	B34_Unbiased	19.222	19.110	0.112
100	B35_Unbiased	19.287	19.234	0.053
100	C32_Unbiased	19.097	19.049	0.048
100	C33_Unbiased	19.196	19.171	0.025
100	C34_Unbiased	19.301	19.249	0.052
100	C35_Unbiased	18.929	18.898	0.031
100	C36_Unbiased	18.897	18.886	0.011
100	C37_Unbiased	19.183	19.144	0.039
100	C38_Unbiased	19.184	19.049	0.135
	Max	19.490	19.779	0.224
	Average	19.100	19.104	-0.004
	Min	18.498	18.450	-0.048
	Std Dev	0.207	0.204	0.153

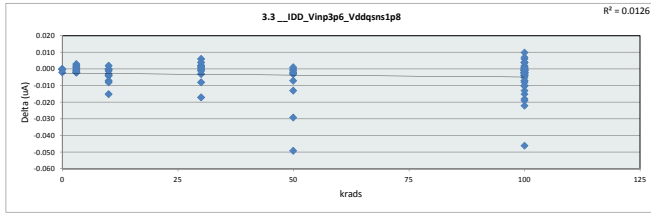


3.2 IQ_Vin3p6_Vddqns1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.791	18.637	19.018	18.967	18.962	18.450
Average	18.901	19.024	19.183	19.159	19.249	19.081
Max	18.962	19.381	19.467	19.446	19.402	19.779
UL	30.000	30.000	30.000	30.000	30.000	30.000

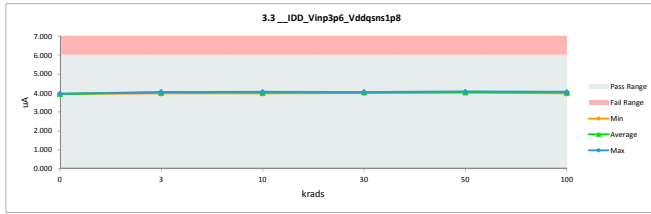


TID 100krad LDR Report
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3.3 IDD_Vinp3p6_Vddqns1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.944	3.944	0.000
3	A79_Biased	4.049	4.050	-0.001
3	A80_Biased	4.048	4.050	-0.002
3	B1_Biased	4.057	4.056	0.001
3	B2_Biased	3.986	3.983	0.003
3	C1_Biased	3.979	3.981	-0.002
3	A82_Unbiased	4.044	4.044	0.000
3	A83_Unbiased	4.057	4.055	0.002
3	B4_Unbiased	3.998	3.997	0.001
3	B5_Unbiased	4.024	4.026	-0.002
3	C2_Unbiased	4.008	4.009	-0.001
10	A85_Biased	4.052	4.053	-0.001
10	A86_Biased	4.028	4.028	-0.007
10	B6_Biased	4.031	4.046	-0.015
10	C3_Biased	4.055	4.063	-0.008
10	C4_Biased	3.979	3.983	-0.004
10	A87_Unbiased	4.049	4.049	0.000
10	A88_Unbiased	4.024	4.024	0.000
10	B7_Unbiased	4.033	4.031	0.002
10	C5_Unbiased	4.003	4.007	-0.004
10	C6_Unbiased	4.023	4.026	-0.003
0	106_Corr	3.959	3.959	0.000
30	A89_Biased	4.045	4.043	0.002
30	B8_Biased	4.052	4.050	0.002
30	B9_Biased	4.051	4.051	0.000
30	C7_Biased	3.998	4.001	-0.003
30	C9_Biased	4.031	4.032	-0.001
30	A90_Unbiased	4.058	4.052	0.006
30	B10_Unbiased	4.031	4.048	-0.017
30	B11_Unbiased	4.035	4.043	-0.008
30	C11_Unbiased	4.019	4.019	0.001
30	C12_Unbiased	4.012	4.008	0.004
0	106_Corr	3.961	3.961	0.000
0	15B_Corr	3.943	3.943	0.000
50	A92_Biased	4.049	4.050	-0.001
50	A93_Biased	4.019	4.019	0.000
50	B12_Biased	4.042	4.055	-0.013
50	B13_Biased	4.047	4.076	-0.029
50	C14_Biased	4.015	4.018	-0.003
50	A95_Unbiased	4.065	4.067	-0.002
50	A96_Unbiased	4.032	4.035	-0.003
50	B15_Unbiased	4.044	4.051	-0.007
50	B16_Unbiased	4.048	4.047	0.001
50	C15_Unbiased	3.979	4.028	-0.049
0	106_Corr	3.959	3.959	-0.002
100	A97_Biased	4.068	4.064	0.004
100	A99_Biased	4.017	4.021	-0.004
100	A100_Biased	4.037	4.039	-0.002
100	A101_Biased	4.033	4.027	0.006
100	A102_Biased	4.029	4.019	0.010
100	A104_Biased	3.997	4.012	-0.015
100	A105_Biased	4.036	4.036	0.000
100	B17_Biased	4.020	4.030	-0.010
100	B18_Biased	4.019	4.027	-0.008
100	B19_Biased	4.037	4.056	-0.019
100	B20_Biased	4.047	4.045	0.002
100	B21_Biased	4.050	4.053	-0.003
100	B24_Biased	4.026	4.039	-0.013
100	B25_Biased	4.009	4.011	-0.002
100	B26_Biased	3.990	4.000	-0.010
100	C16_Biased	3.979	3.980	-0.001
100	C17_Biased	4.024	4.025	-0.001
100	C18_Biased	4.012	4.011	0.001
100	C19_Biased	4.021	4.028	-0.007
100	C25_Biased	4.013	4.017	-0.004
100	C26_Biased	3.988	3.990	-0.002
100	C31_Biased	4.014	4.013	0.001
100	A107_Unbiased	4.021	4.025	-0.004
100	A108_Unbiased	4.049	4.052	-0.003
100	A109_Unbiased	3.989	3.990	-0.001
100	A110_Unbiased	4.035	4.036	-0.001
100	A111_Unbiased	4.047	4.047	0.000
100	A112_Unbiased	4.041	4.048	-0.007
100	A113_Unbiased	4.023	4.041	-0.018
100	B27_Unbiased	4.008	4.054	-0.046
100	B29_Unbiased	4.042	4.043	-0.001
100	B30_Unbiased	4.054	4.050	0.004
100	B31_Unbiased	4.032	4.042	-0.010
100	B32_Unbiased	4.051	4.044	0.007
100	B33_Unbiased	4.029	4.051	-0.022
100	B34_Unbiased	4.041	4.044	-0.003
100	B35_Unbiased	4.052	4.057	-0.005
100	C32_Unbiased	3.979	3.979	0.000
100	C33_Unbiased	4.013	4.009	0.004
100	C34_Unbiased	4.049	4.049	0.000
100	C35_Unbiased	4.022	3.980	-0.002
100	C36_Unbiased	3.979	3.981	-0.002
100	C37_Unbiased	4.022	4.021	0.001
100	C38_Unbiased	4.038	4.038	0.000
	Max	4.068	4.076	0.010
	Average	4.022	4.026	-0.004
	Min	3.943	3.943	-0.049
	Std Dev	0.029	0.029	0.009



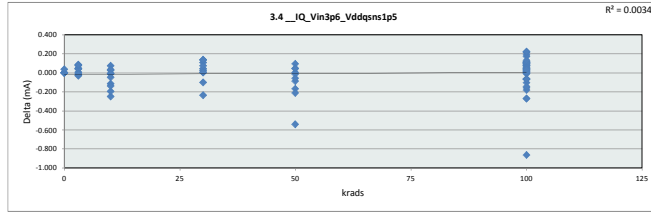
3.3 IDD_Vinp3p6_Vddqns1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.943	3.981	3.983	4.001	4.018	3.979
Average	3.954	4.025	4.031	4.035	4.045	4.028
Max	3.961	4.056	4.063	4.052	4.076	4.064
UL	6.000	6.000	6.000	6.000	6.000	6.000



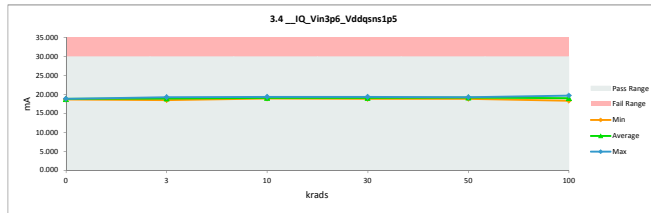
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Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	mA	mA
Max Limit	30	30
Min Limit	0.1	0.1

3.4_IQ_Vin3p6_Vddqns1p5				
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	18.849	18.849	0.000
3	A79_Biased	19.126	19.079	0.047
3	A80_Biased	18.911	18.933	-0.022
3	B1_Biased	19.340	19.295	0.045
3	B2_Biased	18.641	18.555	0.086
3	C1_Biased	18.652	18.644	0.008
3	A82_Unbiased	19.247	19.204	0.043
3	A83_Unbiased	19.168	19.090	0.078
3	B4_Unbiased	18.711	18.624	0.087
3	B5_Unbiased	18.915	18.943	-0.028
3	C2_Unbiased	19.040	19.049	-0.009
10	A85_Biased	19.345	19.351	-0.006
10	A86_Biased	18.851	18.963	-0.112
10	B6_Biased	18.892	19.138	-0.246
10	C3_Biased	19.186	19.381	-0.195
10	C4_Biased	18.900	19.035	-0.135
10	A87_Unbiased	19.010	18.935	0.075
10	A88_Unbiased	19.213	19.186	0.027
10	B7_Unbiased	19.005	18.971	0.034
10	C5_Unbiased	18.939	18.948	-0.009
10	C6_Unbiased	19.032	19.076	-0.044
0	106_Corr	18.848	18.848	0.000
30	A89_Biased	18.996	18.887	0.109
30	B8_Biased	19.137	19.110	0.027
30	B9_Biased	19.404	19.360	0.044
30	C7_Biased	18.906	18.897	0.009
30	C9_Biased	18.988	18.912	0.076
30	A90_Unbiased	19.297	19.161	0.136
30	B10_Unbiased	19.100	19.333	-0.233
30	B11_Unbiased	18.911	19.012	-0.101
30	C11_Unbiased	19.083	19.078	0.005
30	C12_Unbiased	19.137	18.996	0.141
0	106_Corr	18.879	18.879	0.000
0	15B_Corr	18.708	18.708	0.000
50	A92_Biased	19.251	19.246	0.005
50	A93_Biased	18.973	18.877	0.096
50	B12_Biased	19.151	19.318	-0.167
50	B13_Biased	18.685	19.226	-0.541
50	C14_Biased	19.027	19.114	-0.087
50	A95_Unbiased	19.195	19.148	0.047
50	A96_Unbiased	19.061	19.073	-0.012
50	B15_Unbiased	19.102	19.159	-0.057
50	B16_Unbiased	19.358	19.313	0.045
50	C15_Unbiased	18.960	19.172	-0.212
0	106_Corr	18.848	18.848	0.000
100	A97_Biased	19.322	19.148	0.174
100	A99_Biased	18.958	18.870	0.088
100	A100_Biased	19.238	19.156	0.082
100	A101_Biased	19.195	18.980	0.215
100	A102_Biased	19.213	19.023	0.190
100	A104_Biased	18.418	18.597	-0.179
100	A105_Biased	18.914	18.800	0.114
100	B17_Biased	18.978	19.082	-0.104
100	B18_Biased	18.990	19.055	-0.065
100	B19_Biased	18.770	19.038	-0.268
100	B20_Biased	19.104	18.995	0.109
100	B21_Biased	19.260	19.141	0.119
100	B24_Biased	18.802	18.864	-0.062
100	B25_Biased	18.945	18.872	0.073
100	B26_Biased	18.753	18.816	-0.063
100	C16_Biased	18.976	18.898	0.078
100	C17_Biased	19.192	19.077	0.115
100	C18_Biased	18.817	18.947	0.020
100	C19_Biased	18.874	18.884	-0.010
100	C25_Biased	19.237	19.241	-0.004
100	C26_Biased	18.814	18.812	0.002
100	C31_Biased	19.151	19.051	0.100
100	A107_Unbiased	19.175	19.126	0.049
100	A108_Unbiased	19.399	19.369	0.030
100	A109_Unbiased	18.451	18.372	0.079
100	A110_Unbiased	18.872	18.853	0.019
100	A111_Unbiased	18.967	18.999	0.099
100	A112_Unbiased	18.985	19.051	-0.066
100	A113_Unbiased	18.873	19.031	-0.158
100	B27_Unbiased	18.832	19.694	-0.862
100	B29_Unbiased	19.049	18.954	0.095
100	B30_Unbiased	19.336	19.113	0.223
100	B31_Unbiased	18.805	18.947	-0.142
100	B32_Unbiased	19.367	19.144	0.223
100	B33_Unbiased	18.843	19.113	-0.270
100	B34_Unbiased	19.136	19.028	0.108
100	B35_Unbiased	19.201	19.146	0.055
100	C32_Unbiased	19.016	18.969	0.047
100	C33_Unbiased	19.111	19.080	0.031
100	C34_Unbiased	19.214	19.163	0.051
100	C35_Unbiased	18.850	18.819	0.031
100	C36_Unbiased	18.817	18.809	0.008
100	C37_Unbiased	19.099	19.063	0.036
100	C38_Unbiased	19.099	18.966	0.133
	Max	19.404	19.694	0.223
	Average	19.016	19.020	-0.004
	Min	18.418	18.372	-0.862
	Std Dev	0.206	0.203	0.152

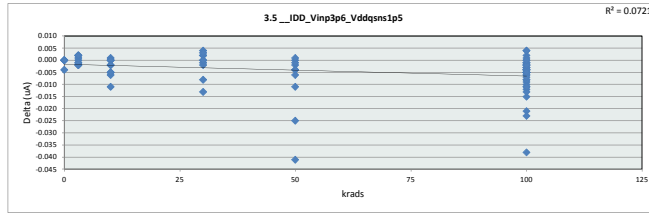


3.4_IQ_Vin3p6_Vddqns1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.708	18.555	18.935	18.887	18.877	18.372
Average	18.818	18.942	19.098	19.075	19.165	18.998
Max	18.879	19.295	19.381	19.360	19.318	19.694
UL	30.000	30.000	30.000	30.000	30.000	30.000

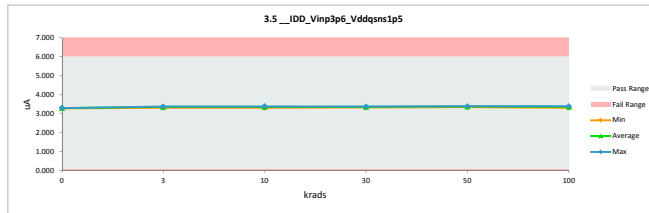


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3.5_IDD_Vinp3p6_Vddqns1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.282	3.282	0.000
3	A79_Biased	3.370	3.370	0.000
3	A80_Biased	3.349	3.371	-0.002
3	B1_Biased	3.376	3.375	0.001
3	B2_Biased	3.318	3.316	0.002
3	C1_Biased	3.312	3.314	-0.002
3	A82_Unbiased	3.365	3.366	-0.001
3	A83_Unbiased	3.376	3.374	0.002
3	B4_Unbiased	3.328	3.326	0.002
3	B5_Unbiased	3.349	3.351	-0.002
3	C2_Unbiased	3.336	3.337	-0.001
10	A85_Biased	3.372	3.372	0.000
10	A86_Biased	3.347	3.352	-0.005
10	B6_Biased	3.357	3.368	-0.011
10	C3_Biased	3.375	3.381	-0.006
10	C4_Biased	3.311	3.316	-0.005
10	A87_Unbiased	3.371	3.370	0.001
10	A88_Unbiased	3.349	3.349	0.000
10	B7_Unbiased	3.356	3.356	0.000
10	C5_Unbiased	3.332	3.334	-0.002
10	C6_Unbiased	3.349	3.351	-0.002
0	106_Corr	3.295	3.295	0.000
30	A89_Biased	3.367	3.365	0.002
30	B8_Biased	3.374	3.372	0.002
30	B9_Biased	3.371	3.373	-0.002
30	C7_Biased	3.329	3.330	-0.001
30	C9_Biased	3.356	3.356	0.000
30	A90_Unbiased	3.377	3.373	0.004
30	B10_Unbiased	3.356	3.369	-0.013
30	B11_Unbiased	3.358	3.366	-0.008
30	C11_Unbiased	3.344	3.344	0.000
30	C12_Unbiased	3.339	3.336	0.003
0	106_Corr	3.296	3.296	0.000
0	15B_Corr	3.282	3.282	0.000
50	A92_Biased	3.370	3.372	-0.002
50	A93_Biased	3.345	3.345	0.000
50	B12_Biased	3.365	3.376	-0.011
50	B13_Biased	3.368	3.393	-0.025
50	C14_Biased	3.340	3.344	-0.004
50	A95_Unbiased	3.384	3.385	-0.001
50	A96_Unbiased	3.355	3.359	-0.004
50	B15_Unbiased	3.366	3.372	-0.006
50	B16_Unbiased	3.370	3.369	0.001
50	C15_Unbiased	3.312	3.353	-0.041
0	106_Corr	3.299	3.299	0.000
100	A97_Biased	3.384	3.385	-0.001
100	A99_Biased	3.343	3.348	-0.005
100	A100_Biased	3.360	3.365	-0.005
100	A101_Biased	3.357	3.355	0.002
100	A102_Biased	3.353	3.349	0.004
100	A104_Biased	3.328	3.343	-0.015
100	A105_Biased	3.360	3.362	-0.002
100	B17_Biased	3.345	3.355	-0.010
100	B18_Biased	3.346	3.355	-0.009
100	B19_Biased	3.361	3.382	-0.021
100	B20_Biased	3.368	3.372	-0.004
100	B21_Biased	3.371	3.376	-0.005
100	B24_Biased	3.351	3.362	-0.011
100	B25_Biased	3.338	3.338	0.000
100	B26_Biased	3.322	3.334	-0.012
100	C16_Biased	3.313	3.316	-0.003
100	C17_Biased	3.350	3.352	-0.002
100	C18_Biased	3.340	3.344	-0.004
100	C19_Biased	3.347	3.355	-0.008
100	C25_Biased	3.340	3.348	-0.008
100	C26_Biased	3.319	3.324	-0.005
100	C31_Biased	3.341	3.342	-0.001
100	A107_Unbiased	3.347	3.351	-0.004
100	A108_Unbiased	3.370	3.372	-0.002
100	A109_Unbiased	3.322	3.327	-0.005
100	A110_Unbiased	3.359	3.362	-0.003
100	A111_Unbiased	3.368	3.372	-0.004
100	A112_Unbiased	3.364	3.369	-0.005
100	A113_Unbiased	3.351	3.364	-0.013
100	B27_Unbiased	3.336	3.374	-0.038
100	B29_Unbiased	3.365	3.370	-0.005
100	B30_Unbiased	3.374	3.370	0.004
100	B31_Unbiased	3.357	3.368	-0.011
100	B32_Unbiased	3.373	3.372	0.001
100	B33_Unbiased	3.353	3.376	-0.023
100	B34_Unbiased	3.364	3.365	-0.001
100	B35_Unbiased	3.374	3.380	-0.006
100	C32_Unbiased	3.312	3.315	-0.003
100	C33_Unbiased	3.339	3.343	-0.004
100	C34_Unbiased	3.371	3.373	-0.002
100	C35_Unbiased	3.313	3.319	-0.006
100	C36_Unbiased	3.311	3.318	-0.007
100	C37_Unbiased	3.347	3.352	-0.005
100	C38_Unbiased	3.361	3.361	0.000
	Max	3.384	3.393	0.004
	Average	3.348	3.353	-0.005
	Min	3.282	3.282	-0.041
	Std Dev	0.024	0.024	0.008

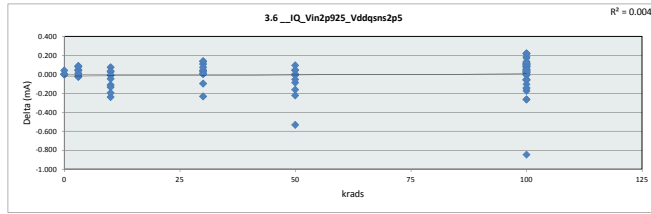


3.5_IDD_Vinp3p6_Vddqns1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.282	3.314	3.316	3.330	3.344	3.315
Average	3.291	3.350	3.355	3.358	3.367	3.355
Max	3.299	3.375	3.381	3.373	3.393	3.385
UL	6.000	6.000	6.000	6.000	6.000	6.000

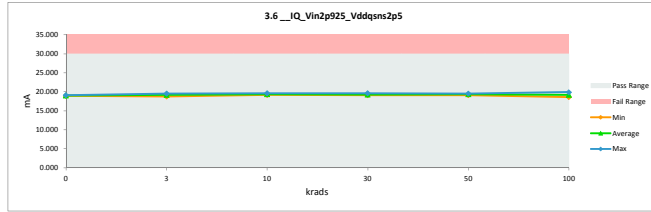


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3.6_IQ_Vin2p925_Vddqsns2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	19.081	19.081	0.000
3	A79_Biased	19.362	19.315	0.047
3	A80_Biased	19.144	19.166	-0.022
3	B1_Biased	19.582	19.536	0.046
3	B2_Biased	18.871	18.787	0.084
3	C1_Biased	18.874	18.864	0.010
3	A82_Unbiased	19.481	19.441	0.040
3	A83_Unbiased	19.403	19.323	0.080
3	B4_Unbiased	18.943	18.856	0.087
3	B5_Unbiased	19.154	19.180	-0.026
3	C2_Unbiased	19.271	19.278	-0.007
10	A85_Biased	19.589	19.595	-0.006
10	A86_Biased	19.244	19.197	-0.110
10	B6_Biased	19.137	19.377	-0.240
10	C3_Biased	19.426	19.621	-0.195
10	C4_Biased	19.127	19.261	-0.134
10	A87_Unbiased	19.244	19.168	0.076
10	A88_Unbiased	19.455	19.428	0.027
10	B7_Unbiased	19.244	19.209	0.035
10	C5_Unbiased	19.175	19.183	-0.008
10	C6_Unbiased	19.263	19.308	-0.045
0	106_Corr	19.084	19.084	0.000
30	A89_Biased	19.227	19.118	0.109
30	B8_Biased	19.376	19.350	0.026
30	B9_Biased	19.647	19.602	0.045
30	C7_Biased	19.137	19.130	0.007
30	C9_Biased	19.220	19.145	0.075
30	A90_Unbiased	19.532	19.398	0.134
30	B10_Unbiased	19.346	19.578	-0.232
30	B11_Unbiased	19.158	19.256	-0.098
30	C11_Unbiased	19.315	19.312	0.003
30	C12_Unbiased	19.372	19.234	0.138
0	106_Corr	19.114	19.114	0.000
0	15B_Corr	18.942	18.942	0.000
50	A92_Biased	19.489	19.485	0.004
50	A93_Biased	19.208	19.113	0.095
50	B12_Biased	19.398	19.558	-0.160
50	B13_Biased	18.922	19.455	-0.533
50	C14_Biased	19.259	19.347	-0.088
50	A95_Unbiased	19.428	19.382	0.046
50	A96_Unbiased	19.305	19.313	-0.008
50	B15_Unbiased	19.344	19.397	-0.053
50	B16_Unbiased	19.599	19.554	0.045
50	C15_Unbiased	19.185	19.407	-0.222
0	106_Corr	19.084	19.042	0.042
100	A97_Biased	19.560	19.386	0.174
100	A99_Biased	19.198	19.109	0.089
100	A100_Biased	19.471	19.390	0.081
100	A101_Biased	19.433	19.218	0.215
100	A102_Biased	19.456	19.269	0.187
100	A104_Biased	18.653	18.827	-0.174
100	A105_Biased	19.144	19.029	0.115
100	B17_Biased	19.223	19.326	-0.103
100	B18_Biased	19.232	19.290	-0.058
100	B19_Biased	19.015	19.276	-0.261
100	B20_Biased	19.339	19.230	0.109
100	B21_Biased	19.504	19.382	0.122
100	B24_Biased	19.041	19.095	-0.054
100	B25_Biased	19.183	19.107	0.076
100	B26_Biased	18.993	19.052	-0.059
100	C16_Biased	19.201	19.120	0.081
100	C17_Biased	19.428	19.312	0.116
100	C18_Biased	19.057	19.039	0.018
100	C19_Biased	19.107	19.116	-0.009
100	C25_Biased	19.474	19.478	-0.004
100	C26_Biased	19.044	19.042	0.002
100	C31_Biased	19.384	19.286	0.098
100	A107_Unbiased	19.415	19.362	0.053
100	A108_Unbiased	19.648	19.617	0.031
100	A109_Unbiased	18.678	18.596	0.082
100	A110_Unbiased	19.100	19.084	0.016
100	A111_Unbiased	19.222	19.121	0.101
100	A112_Unbiased	19.231	19.292	-0.061
100	A113_Unbiased	19.113	19.265	-0.152
100	B27_Unbiased	19.065	19.912	-0.847
100	B29_Unbiased	19.288	19.190	0.098
100	B30_Unbiased	19.577	19.359	0.218
100	B31_Unbiased	19.051	19.191	-0.140
100	B32_Unbiased	19.610	19.388	0.222
100	B33_Unbiased	19.092	19.357	-0.265
100	B34_Unbiased	19.374	19.264	0.110
100	B35_Unbiased	19.442	19.388	0.054
100	C32_Unbiased	19.244	19.199	0.045
100	C33_Unbiased	19.353	19.329	0.024
100	C34_Unbiased	19.458	19.411	0.047
100	C35_Unbiased	19.075	19.042	0.033
100	C36_Unbiased	19.042	19.029	0.013
100	C37_Unbiased	19.336	19.297	0.039
100	C38_Unbiased	19.340	19.206	0.134
	Max	19.648	19.912	0.222
	Average	19.253	19.253	-0.003
	Min	18.653	18.596	-0.847
	Std Dev	0.209	0.206	0.150

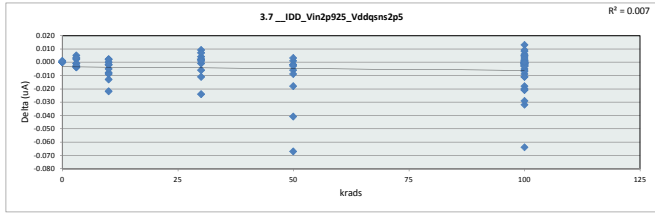


3.6_IQ_Vin2p925_Vddqsns2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.942	18.787	19.168	19.118	19.113	18.596
Average	19.053	19.175	19.335	19.312	19.401	19.234
Max	19.114	19.536	19.621	19.602	19.558	19.912
UL	30.000	30.000	30.000	30.000	30.000	30.000

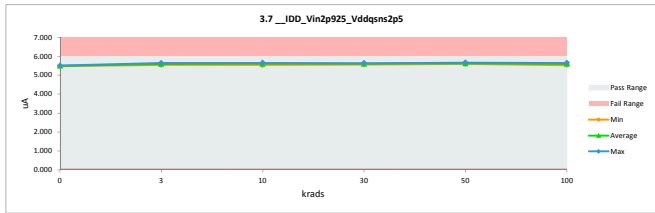


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3.7_IDD_Vin2p925_Vddqsns2p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.485	5.485	0.000
3	A79_Biased	5.633	5.634	-0.001
3	A80_Biased	5.630	5.634	-0.004
3	B1_Biased	5.644	5.642	0.002
3	B2_Biased	5.546	5.541	0.005
3	C1_Biased	5.536	5.539	-0.003
3	A82_Unbiased	5.626	5.626	-0.001
3	A83_Unbiased	5.643	5.640	0.003
3	B4_Unbiased	5.563	5.560	0.003
3	B5_Unbiased	5.597	5.601	-0.004
3	C2_Unbiased	5.575	5.578	-0.003
10	A85_Biased	5.636	5.638	-0.002
10	A86_Biased	5.642	5.642	-0.008
10	B6_Biased	5.607	5.629	-0.022
10	C3_Biased	5.640	5.653	-0.013
10	C4_Biased	5.534	5.543	-0.009
10	A87_Unbiased	5.632	5.630	0.002
10	A88_Unbiased	5.598	5.598	0.000
10	B7_Unbiased	5.610	5.608	0.002
10	C5_Unbiased	5.570	5.572	-0.002
10	C6_Unbiased	5.596	5.601	-0.005
0	106_Corr	5.526	5.526	0.000
30	A89_Biased	5.629	5.625	0.004
30	B8_Biased	5.637	5.635	0.002
30	B9_Biased	5.634	5.635	-0.001
30	C7_Biased	5.560	5.566	-0.006
30	C9_Biased	5.608	5.606	0.002
30	A90_Unbiased	5.645	5.636	0.009
30	B10_Unbiased	5.607	5.631	-0.024
30	B11_Unbiased	5.613	5.624	-0.011
30	C11_Unbiased	5.589	5.589	0.001
30	C12_Unbiased	5.580	5.573	0.007
0	106_Corr	5.509	5.509	0.000
0	15B_Corr	5.483	5.483	0.000
50	A92_Biased	5.632	5.634	-0.002
50	A93_Biased	5.591	5.590	0.001
50	B12_Biased	5.623	5.641	-0.018
50	B13_Biased	5.630	5.671	-0.041
50	C14_Biased	5.584	5.590	-0.006
50	A95_Unbiased	5.657	5.657	-0.002
50	A96_Unbiased	5.609	5.612	-0.003
50	B15_Unbiased	5.625	5.634	-0.009
50	B16_Unbiased	5.631	5.628	0.003
50	C15_Unbiased	5.535	5.602	-0.067
0	106_Corr	5.526	5.526	0.001
100	A97_Biased	5.658	5.653	0.005
100	A99_Biased	5.588	5.593	-0.005
100	A100_Biased	5.617	5.619	-0.002
100	A101_Biased	5.611	5.605	0.006
100	A102_Biased	5.604	5.591	0.013
100	A104_Biased	5.560	5.581	-0.021
100	A105_Biased	5.616	5.611	0.005
100	B17_Biased	5.590	5.601	-0.011
100	B18_Biased	5.592	5.601	-0.009
100	B19_Biased	5.614	5.646	-0.032
100	B20_Biased	5.630	5.630	0.000
100	B21_Biased	5.634	5.637	-0.003
100	B24_Biased	5.600	5.618	-0.018
100	B25_Biased	5.578	5.575	0.003
100	B26_Biased	5.549	5.569	-0.020
100	C16_Biased	5.536	5.536	0.000
100	C17_Biased	5.600	5.600	0.000
100	C18_Biased	5.580	5.583	-0.003
100	C19_Biased	5.593	5.599	-0.006
100	C25_Biased	5.582	5.585	-0.003
100	C26_Biased	5.548	5.550	-0.002
100	C31_Biased	5.584	5.583	0.001
100	A107_Unbiased	5.594	5.597	-0.003
100	A108_Unbiased	5.632	5.632	0.000
100	A109_Unbiased	5.550	5.551	-0.001
100	A110_Unbiased	5.614	5.613	0.001
100	A111_Unbiased	5.628	5.629	-0.001
100	A112_Unbiased	5.621	5.628	-0.007
100	A113_Unbiased	5.599	5.620	-0.021
100	B27_Unbiased	5.577	5.641	-0.064
100	B29_Unbiased	5.623	5.623	0.000
100	B30_Unbiased	5.639	5.631	0.008
100	B31_Unbiased	5.609	5.620	-0.011
100	B32_Unbiased	5.636	5.627	0.009
100	B33_Unbiased	5.603	5.632	-0.029
100	B34_Unbiased	5.623	5.623	-0.001
100	B35_Unbiased	5.638	5.640	-0.002
100	C32_Unbiased	5.537	5.536	0.001
100	C33_Unbiased	5.582	5.578	0.004
100	C34_Unbiased	5.634	5.632	0.002
100	C35_Unbiased	5.537	5.536	-0.001
100	C36_Unbiased	5.535	5.536	-0.001
100	C37_Unbiased	5.593	5.596	-0.003
100	C38_Unbiased	5.616	5.616	0.000
	Max	5.658	5.671	0.013
	Average	5.595	5.600	-0.005
	Min	5.483	5.483	-0.067
	Std Dev	0.040	0.041	0.013

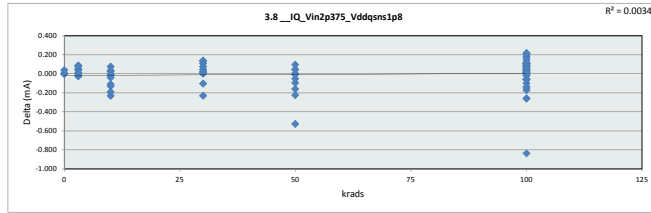


3.7_IDD_Vin2p925_Vddqsns						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.483	5.539	5.543	5.566	5.590	5.536
Average	5.498	5.600	5.607	5.612	5.626	5.602
Max	5.509	5.642	5.653	5.636	5.671	5.653
UL	6.000	6.000	6.000	6.000	6.000	6.000

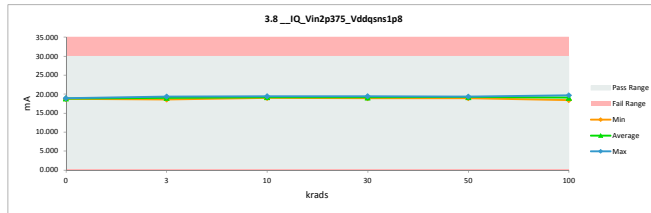


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3.8_IQ_Vin2p375_Vddqns1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	18.911	18.911	0.000
3	A79_Biased	19.191	19.144	0.047
3	A80_Biased	18.973	18.994	-0.021
3	B1_Biased	19.401	19.356	0.045
3	B2_Biased	18.702	18.617	0.085
3	C1_Biased	18.713	18.703	0.010
3	A82_Unbiased	19.312	19.271	0.041
3	A83_Unbiased	19.235	19.155	0.080
3	B4_Unbiased	18.770	18.684	0.086
3	B5_Unbiased	18.980	19.007	-0.027
3	C2_Unbiased	19.121	19.120	0.001
10	A85_Biased	19.412	19.419	-0.007
10	A86_Biased	18.924	19.023	-0.109
10	B6_Biased	18.991	19.220	-0.229
10	C3_Biased	19.251	19.440	-0.189
10	C4_Biased	18.967	19.097	-0.130
10	A87_Unbiased	19.072	18.977	0.075
10	A88_Unbiased	19.276	19.254	0.024
10	B7_Unbiased	19.067	19.033	0.034
10	C5_Unbiased	19.007	19.014	-0.007
10	C6_Unbiased	19.119	19.157	-0.038
0	106_Corr	18.920	18.920	0.000
30	A89_Biased	19.060	18.951	0.109
30	B8_Biased	19.199	19.173	0.026
30	B9_Biased	19.469	19.425	0.044
30	C7_Biased	18.990	18.990	0.000
30	C9_Biased	19.078	19.002	0.076
30	A90_Unbiased	19.360	19.228	0.132
30	B10_Unbiased	19.170	19.399	-0.229
30	B11_Unbiased	18.983	19.086	-0.103
30	C11_Unbiased	19.150	19.140	0.010
30	C12_Unbiased	19.215	19.077	0.138
0	106_Corr	18.953	18.953	0.000
0	15B_Corr	18.776	18.776	0.000
50	A92_Biased	19.314	19.309	0.005
50	A93_Biased	19.034	18.939	0.095
50	B12_Biased	19.222	19.381	-0.159
50	B13_Biased	18.751	19.278	-0.527
50	C14_Biased	19.093	19.190	-0.097
50	A95_Unbiased	19.257	19.211	0.046
50	A96_Unbiased	19.128	19.135	-0.007
50	B15_Unbiased	19.169	19.222	-0.053
50	B16_Unbiased	19.420	19.376	0.044
50	C15_Unbiased	19.043	19.266	-0.223
0	106_Corr	18.920	18.883	0.037
100	A97_Biased	19.387	19.218	0.169
100	A99_Biased	19.030	18.938	0.092
100	A100_Biased	19.303	19.225	0.078
100	A101_Biased	19.260	19.057	0.203
100	A102_Biased	19.276	19.094	0.182
100	A104_Biased	18.490	18.663	-0.173
100	A105_Biased	18.977	18.863	0.114
100	B17_Biased	19.052	19.150	-0.098
100	B18_Biased	19.062	19.119	-0.057
100	B19_Biased	18.841	19.098	-0.257
100	B20_Biased	19.163	19.055	0.108
100	B21_Biased	19.327	19.209	0.118
100	B24_Biased	18.872	18.927	-0.055
100	B25_Biased	19.010	18.926	0.074
100	B26_Biased	18.820	18.884	-0.064
100	C16_Biased	19.055	18.982	0.073
100	C17_Biased	19.269	19.161	0.108
100	C18_Biased	18.862	18.862	0.000
100	C19_Biased	18.949	18.960	-0.011
100	C25_Biased	19.304	19.321	-0.017
100	C26_Biased	18.903	18.904	-0.001
100	C31_Biased	19.232	19.150	0.082
100	A107_Unbiased	19.244	19.195	0.049
100	A108_Unbiased	19.469	19.438	0.031
100	A109_Unbiased	18.514	18.432	0.082
100	A110_Unbiased	18.935	18.919	0.016
100	A111_Unbiased	19.058	18.955	0.103
100	A112_Unbiased	19.058	19.116	-0.058
100	A113_Unbiased	18.946	19.096	-0.150
100	B27_Unbiased	18.891	19.728	-0.837
100	B29_Unbiased	19.123	19.018	0.105
100	B30_Unbiased	19.395	19.176	0.219
100	B31_Unbiased	18.889	19.025	-0.136
100	B32_Unbiased	19.430	19.215	0.215
100	B33_Unbiased	18.917	19.179	-0.262
100	B34_Unbiased	19.198	19.089	0.109
100	B35_Unbiased	19.265	19.206	0.059
100	C32_Unbiased	19.080	19.033	0.047
100	C33_Unbiased	19.180	19.153	0.027
100	C34_Unbiased	19.280	19.229	0.051
100	C35_Unbiased	18.934	18.933	0.001
100	C36_Unbiased	18.878	18.867	0.011
100	C37_Unbiased	19.173	19.155	0.018
100	C38_Unbiased	19.175	19.030	0.145
	Max	19.469	19.728	0.219
	Average	19.085	19.085	-0.003
	Min	18.490	18.432	-0.837
	Std Dev	0.205	0.202	0.148

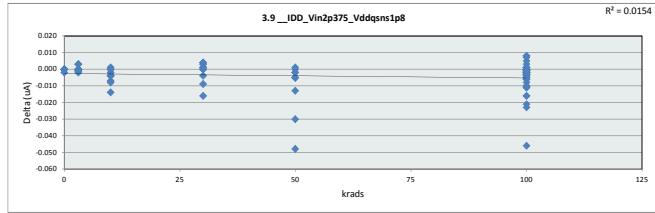


3.8_IQ_Vin2p375_Vddqns1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.776	18.617	18.997	18.951	18.939	18.432
Average	18.889	19.005	19.165	19.147	19.231	19.067
Max	18.953	19.356	19.440	19.425	19.381	19.728
UL	30.000	30.000	30.000	30.000	30.000	30.000

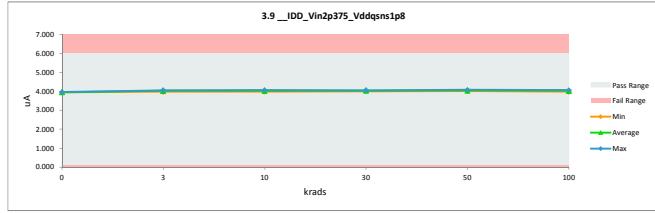


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3.9_IDD_Vin2p375_Vddqsns1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.943	3.943	0.000
3	A79_Biased	4.050	4.050	0.000
3	A80_Biased	4.048	4.050	-0.002
3	B1_Biased	4.056	4.056	0.000
3	B2_Biased	3.986	3.983	0.003
3	C1_Biased	3.980	3.981	-0.001
3	A82_Unbiased	4.044	4.044	0.000
3	A83_Unbiased	4.057	4.054	0.003
3	B4_Unbiased	3.997	3.997	0.000
3	B5_Unbiased	4.025	4.026	-0.001
3	C2_Unbiased	4.008	4.009	-0.001
10	A85_Biased	4.051	4.053	-0.002
10	A86_Biased	4.021	4.028	-0.007
10	B6_Biased	4.032	4.046	-0.014
10	C3_Biased	4.054	4.062	-0.008
10	C4_Biased	3.980	3.984	-0.004
10	A87_Unbiased	4.048	4.048	0.000
10	A88_Unbiased	4.025	4.025	0.000
10	B7_Unbiased	4.033	4.032	0.001
10	C5_Unbiased	4.003	4.007	-0.004
10	C6_Unbiased	4.023	4.027	-0.004
0	106_Corr	3.959	3.959	0.000
30	A89_Biased	4.046	4.043	0.003
30	B8_Biased	4.051	4.051	0.000
30	B9_Biased	4.050	4.050	0.000
30	C7_Biased	3.998	4.002	-0.004
30	C9_Biased	4.032	4.031	0.001
30	A90_Unbiased	4.057	4.053	0.004
30	B10_Unbiased	4.033	4.049	-0.016
30	B11_Unbiased	4.035	4.044	-0.009
30	C11_Unbiased	4.017	4.017	0.001
30	C12_Unbiased	4.011	4.007	0.004
0	106_Corr	3.962	3.962	0.000
0	15B_Corr	3.942	3.942	0.000
50	A92_Biased	4.048	4.050	-0.002
50	A93_Biased	4.019	4.019	0.000
50	B12_Biased	4.042	4.055	-0.013
50	B13_Biased	4.047	4.077	-0.030
50	C14_Biased	4.014	4.019	-0.005
50	A95_Unbiased	4.064	4.066	-0.002
50	A96_Unbiased	4.031	4.036	-0.005
50	B15_Unbiased	4.044	4.049	-0.005
50	B16_Unbiased	4.048	4.047	0.001
50	C15_Unbiased	3.979	4.027	-0.048
0	106_Corr	3.959	3.959	0.000
100	A97_Biased	4.066	4.061	0.005
100	A99_Biased	4.018	4.023	-0.005
100	A100_Biased	4.037	4.037	0.000
100	A101_Biased	4.033	4.030	0.003
100	A102_Biased	4.027	4.019	0.008
100	A104_Biased	3.997	4.013	-0.016
100	A105_Biased	4.036	4.037	-0.001
100	B17_Biased	4.018	4.028	-0.010
100	B18_Biased	4.021	4.029	-0.008
100	B19_Biased	4.036	4.057	-0.021
100	B20_Biased	4.045	4.046	-0.001
100	B21_Biased	4.049	4.053	-0.004
100	B24_Biased	4.026	4.037	-0.011
100	B25_Biased	4.010	4.009	0.001
100	B26_Biased	3.989	4.000	-0.011
100	C16_Biased	3.980	3.982	-0.002
100	C17_Biased	4.025	4.028	-0.003
100	C18_Biased	4.013	4.015	-0.002
100	C19_Biased	4.021	4.025	-0.004
100	C25_Biased	4.012	4.015	-0.003
100	C26_Biased	3.989	3.990	-0.001
100	C31_Biased	4.014	4.014	0.000
100	A107_Unbiased	4.020	4.026	-0.006
100	A108_Unbiased	4.049	4.051	-0.002
100	A109_Unbiased	3.990	3.991	-0.001
100	A110_Unbiased	4.035	4.037	-0.002
100	A111_Unbiased	4.046	4.046	0.000
100	A112_Unbiased	4.042	4.048	-0.006
100	A113_Unbiased	4.023	4.039	-0.016
100	B27_Unbiased	4.008	4.054	-0.046
100	B29_Unbiased	4.042	4.042	0.000
100	B30_Unbiased	4.054	4.047	0.007
100	B31_Unbiased	4.034	4.044	-0.010
100	B32_Unbiased	4.053	4.045	0.008
100	B33_Unbiased	4.028	4.051	-0.023
100	B34_Unbiased	4.042	4.042	0.000
100	B35_Unbiased	4.053	4.056	-0.003
100	C32_Unbiased	3.979	3.982	-0.003
100	C33_Unbiased	4.013	4.012	0.001
100	C34_Unbiased	4.051	4.051	0.000
100	C35_Unbiased	3.981	3.983	-0.002
100	C36_Unbiased	3.978	3.983	-0.005
100	C37_Unbiased	4.023	4.022	0.001
100	C38_Unbiased	4.036	4.037	-0.001
	Max	4.066	4.077	0.008
	Average	4.022	4.027	-0.004
	Min	3.942	3.942	-0.048
	Std Dev	0.028	0.029	0.009

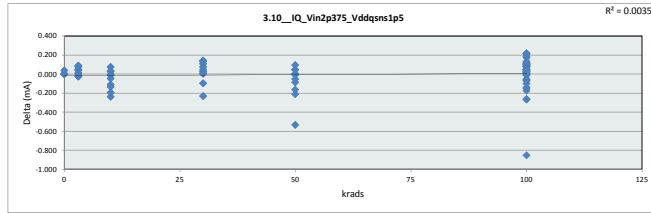


3.9_IDD_Vin2p375_Vddqsns1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.942	3.981	3.984	4.002	4.019	3.982
Average	3.953	4.025	4.031	4.035	4.045	4.028
Max	3.962	4.056	4.062	4.053	4.077	4.061
UL	6.000	6.000	6.000	6.000	6.000	6.000

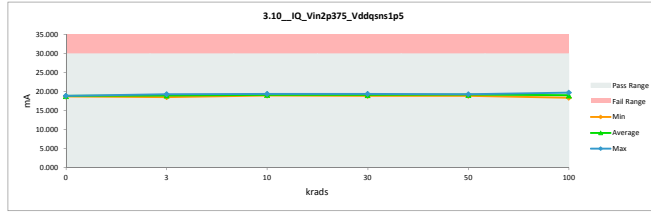


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3.10_IQ_Vin2p375_Vddqsns1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	18.837	18.837	0.000
3	A79_Biased	19.117	19.071	0.046
3	A80_Biased	18.901	18.922	-0.021
3	B1_Biased	19.326	19.281	0.045
3	B2_Biased	18.629	18.544	0.085
3	C1_Biased	18.644	18.634	0.010
3	A82_Unbiased	19.239	19.198	0.041
3	A83_Unbiased	19.161	19.082	0.079
3	B4_Unbiased	18.698	18.610	0.088
3	B5_Unbiased	18.906	18.932	-0.026
3	C2_Unbiased	19.031	19.037	-0.006
10	A85_Biased	19.337	19.343	-0.006
10	A86_Biased	18.841	18.911	-0.110
10	B6_Biased	18.889	19.125	-0.236
10	C3_Biased	19.171	19.365	-0.194
10	C4_Biased	18.895	19.028	-0.133
10	A87_Unbiased	18.999	18.924	0.075
10	A88_Unbiased	19.204	19.177	0.027
10	B7_Unbiased	18.993	18.960	0.033
10	C5_Unbiased	18.933	18.942	-0.009
10	C6_Unbiased	19.022	19.067	-0.045
0	106_Corr	18.836	18.836	0.000
30	A89_Biased	18.987	18.877	0.110
30	B8_Biased	19.124	19.098	0.026
30	B9_Biased	19.394	19.348	0.046
30	C7_Biased	18.897	18.888	0.009
30	C9_Biased	18.978	18.904	0.074
30	A90_Unbiased	19.288	19.151	0.137
30	B10_Unbiased	19.092	19.322	-0.230
30	B11_Unbiased	18.905	19.001	-0.096
30	C11_Unbiased	19.072	19.068	0.004
30	C12_Unbiased	19.130	18.988	0.142
0	106_Corr	18.866	18.866	0.000
0	15B_Corr	18.700	18.700	0.000
50	A92_Biased	19.240	19.236	0.004
50	A93_Biased	18.960	18.865	0.095
50	B12_Biased	19.142	19.306	-0.164
50	B13_Biased	18.676	19.209	-0.533
50	C14_Biased	19.019	19.106	-0.087
50	A95_Unbiased	19.184	19.137	0.047
50	A96_Unbiased	19.053	19.060	-0.007
50	B15_Unbiased	19.095	19.146	-0.051
50	B16_Unbiased	19.344	19.299	0.045
50	C15_Unbiased	18.951	19.162	-0.211
0	106_Corr	18.836	18.836	0.000
100	A97_Biased	19.313	19.140	0.173
100	A99_Biased	18.952	18.865	0.087
100	A100_Biased	19.229	19.148	0.081
100	A101_Biased	19.184	18.973	0.211
100	A102_Biased	19.202	19.017	0.185
100	A104_Biased	18.415	18.590	-0.175
100	A105_Biased	18.905	18.790	0.115
100	B17_Biased	18.975	19.076	-0.101
100	B18_Biased	18.966	19.044	-0.058
100	B19_Biased	18.762	19.024	-0.262
100	B20_Biased	19.088	18.984	0.104
100	B21_Biased	19.250	19.132	0.118
100	B24_Biased	18.798	18.851	-0.053
100	B25_Biased	18.936	18.862	0.074
100	B26_Biased	18.740	18.808	-0.068
100	C16_Biased	18.968	18.886	0.082
100	C17_Biased	19.183	19.069	0.114
100	C18_Biased	18.806	18.787	0.019
100	C19_Biased	18.864	18.876	-0.012
100	C25_Biased	19.227	19.233	-0.006
100	C26_Biased	18.806	18.807	-0.001
100	C31_Biased	19.141	19.044	0.097
100	A107_Unbiased	19.146	19.116	0.030
100	A108_Unbiased	19.391	19.362	0.029
100	A109_Unbiased	18.443	18.358	0.085
100	A110_Unbiased	18.863	18.846	0.017
100	A111_Unbiased	18.978	18.879	0.099
100	A112_Unbiased	18.983	19.044	-0.061
100	A113_Unbiased	18.872	19.021	-0.149
100	B27_Unbiased	18.817	19.671	-0.854
100	B29_Unbiased	19.035	18.935	0.100
100	B30_Unbiased	19.320	19.101	0.219
100	B31_Unbiased	18.801	18.940	-0.139
100	B32_Unbiased	19.352	19.134	0.218
100	B33_Unbiased	18.836	19.102	-0.266
100	B34_Unbiased	19.123	19.012	0.111
100	B35_Unbiased	19.188	19.133	0.055
100	C32_Unbiased	19.008	18.960	0.048
100	C33_Unbiased	19.102	19.074	0.028
100	C34_Unbiased	19.201	19.153	0.048
100	C35_Unbiased	18.842	18.811	0.031
100	C36_Unbiased	18.808	18.801	0.007
100	C37_Unbiased	19.090	19.051	0.039
100	C38_Unbiased	19.088	18.955	0.133
	Max	19.394	19.671	0.219
	Average	19.007	19.010	-0.003
	Min	18.415	18.358	-0.854
	Std Dev	0.205	0.202	0.150

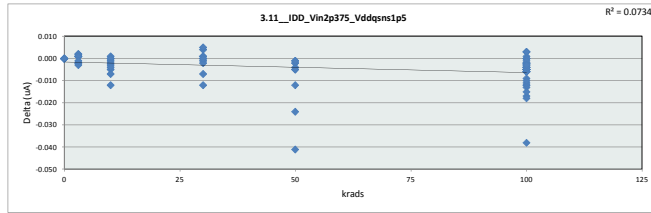


3.10_IQ_Vin2p375_Vddqsns1						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.700	18.544	18.924	18.877	18.865	18.358
Average	18.807	18.931	19.088	19.065	19.153	18.988
Max	18.866	19.281	19.365	19.348	19.306	19.671
UL	30.000	30.000	30.000	30.000	30.000	30.000

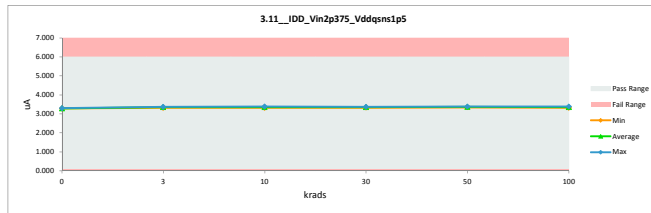


TID 100krad LDR Report
TPS7H3301-SP

3.11_IDD_Vin2p375_Vddqns1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.282	3.282	0.000
3	A79_Biased	3.371	3.370	0.001
3	A80_Biased	3.369	3.371	-0.002
3	B1_Biased	3.377	3.376	0.001
3	B2_Biased	3.318	3.316	0.002
3	C1_Biased	3.312	3.314	-0.002
3	A82_Unbiased	3.366	3.365	0.001
3	A83_Unbiased	3.377	3.375	0.002
3	B4_Unbiased	3.327	3.326	0.001
3	B5_Unbiased	3.348	3.351	-0.003
3	C2_Unbiased	3.336	3.337	-0.001
10	A85_Biased	3.371	3.372	-0.001
10	A86_Biased	3.347	3.352	-0.005
10	B6_Biased	3.356	3.368	-0.012
10	C3_Biased	3.375	3.382	-0.007
10	C4_Biased	3.313	3.316	-0.003
10	A87_Unbiased	3.370	3.369	0.001
10	A88_Unbiased	3.349	3.349	0.000
10	B7_Unbiased	3.356	3.356	0.000
10	C5_Unbiased	3.332	3.334	-0.002
10	C6_Unbiased	3.348	3.352	-0.004
0	106_Corr	3.297	3.297	0.000
30	A89_Biased	3.367	3.366	0.001
30	B8_Biased	3.373	3.373	0.000
30	B9_Biased	3.371	3.372	-0.001
30	C7_Biased	3.328	3.330	-0.002
30	C9_Biased	3.356	3.356	0.000
30	A90_Unbiased	3.377	3.373	0.004
30	B10_Unbiased	3.357	3.369	-0.012
30	B11_Unbiased	3.359	3.366	-0.007
30	C11_Unbiased	3.344	3.344	0.000
30	C12_Unbiased	3.340	3.335	0.005
0	106_Corr	3.297	3.297	0.000
0	15B_Corr	3.282	3.282	0.000
50	A92_Biased	3.369	3.371	-0.002
50	A93_Biased	3.344	3.345	-0.001
50	B12_Biased	3.364	3.376	-0.012
50	B13_Biased	3.369	3.393	-0.024
50	C14_Biased	3.341	3.345	-0.004
50	A95_Unbiased	3.383	3.385	-0.002
50	A96_Unbiased	3.355	3.360	-0.005
50	B15_Unbiased	3.366	3.371	-0.005
50	B16_Unbiased	3.368	3.369	-0.001
50	C15_Unbiased	3.312	3.353	-0.041
0	106_Corr	3.297	3.297	0.000
100	A97_Biased	3.385	3.382	0.003
100	A99_Biased	3.344	3.348	-0.004
100	A100_Biased	3.361	3.364	-0.003
100	A101_Biased	3.357	3.357	0.000
100	A102_Biased	3.352	3.349	0.003
100	A104_Biased	3.328	3.341	-0.013
100	A105_Biased	3.360	3.362	-0.002
100	B17_Biased	3.345	3.357	-0.012
100	B18_Biased	3.347	3.356	-0.009
100	B19_Biased	3.361	3.378	-0.017
100	B20_Biased	3.369	3.368	0.001
100	B21_Biased	3.370	3.375	-0.005
100	B24_Biased	3.353	3.365	-0.012
100	B25_Biased	3.337	3.342	-0.005
100	B26_Biased	3.321	3.332	-0.011
100	C16_Biased	3.312	3.318	-0.006
100	C17_Biased	3.350	3.352	-0.002
100	C18_Biased	3.339	3.343	-0.004
100	C19_Biased	3.347	3.352	-0.005
100	C25_Biased	3.340	3.345	-0.005
100	C26_Biased	3.318	3.324	-0.006
100	C31_Biased	3.340	3.346	-0.006
100	C31_Unbiased	3.347	3.352	-0.005
100	A107_Unbiased	3.371	3.371	0.000
100	A108_Unbiased	3.321	3.326	-0.005
100	A109_Unbiased	3.358	3.363	-0.005
100	A110_Unbiased	3.368	3.370	-0.002
100	A111_Unbiased	3.363	3.369	-0.006
100	A112_Unbiased	3.349	3.364	-0.015
100	A113_Unbiased	3.336	3.374	-0.038
100	B29_Unbiased	3.364	3.366	-0.002
100	B30_Unbiased	3.373	3.370	0.003
100	B31_Unbiased	3.358	3.368	-0.010
100	B32_Unbiased	3.372	3.372	0.000
100	B33_Unbiased	3.354	3.372	-0.018
100	B34_Unbiased	3.365	3.366	-0.001
100	B35_Unbiased	3.374	3.378	-0.004
100	C32_Unbiased	3.312	3.318	-0.006
100	C33_Unbiased	3.340	3.343	-0.003
100	C34_Unbiased	3.371	3.375	-0.004
100	C35_Unbiased	3.313	3.318	-0.005
100	C36_Unbiased	3.311	3.316	-0.005
100	C37_Unbiased	3.347	3.351	-0.004
100	C38_Unbiased	3.360	3.363	-0.003
	Max	3.385	3.393	0.008
	Average	3.348	3.353	-0.004
	Min	3.282	3.282	-0.041
	Std Dev	0.024	0.024	0.007

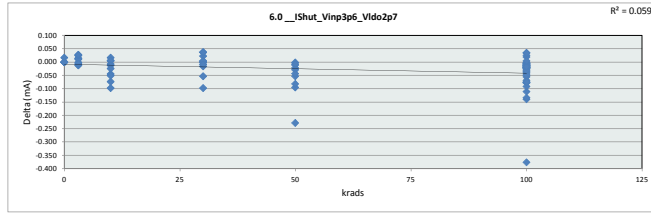


3.11_IDD_Vin2p375_Vddqns1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.282	3.314	3.316	3.330	3.345	3.316
Average	3.291	3.350	3.355	3.358	3.367	3.355
Max	3.297	3.376	3.382	3.373	3.393	3.382
UL	6.000	6.000	6.000	6.000	6.000	6.000

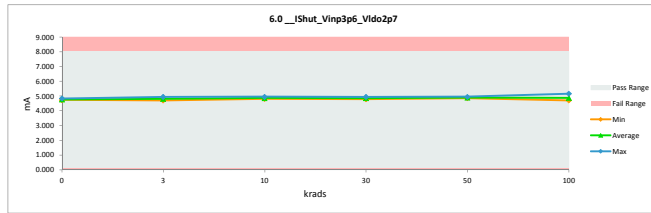


TID 100krad LDR Report
TPS7H3301-SP

6.0_Ishut_Vinp3p6_Vldo2p7				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	
0	C35_Corr	4.832	4.832	0.000
3	A79_Biased	4.853	4.839	0.014
3	A80_Biased	4.787	4.799	-0.012
3	B1_Biased	4.958	4.945	0.013
3	B2_Biased	4.740	4.715	0.025
3	C1_Biased	4.704	4.706	-0.002
3	A82_Unbiased	4.911	4.900	0.011
3	A83_Unbiased	4.887	4.861	0.026
3	B4_Unbiased	4.739	4.712	0.027
3	B5_Unbiased	4.836	4.847	-0.011
3	C2_Unbiased	4.840	4.846	-0.006
10	A85_Biased	4.919	4.926	-0.007
10	A86_Biased	4.796	4.841	-0.045
10	B6_Biased	4.785	4.882	-0.097
10	C3_Biased	4.884	4.957	-0.073
10	C4_Biased	4.789	4.840	-0.051
10	A87_Unbiased	4.846	4.830	0.016
10	A88_Unbiased	4.923	4.918	0.005
10	B7_Unbiased	4.864	4.858	0.006
10	C5_Unbiased	4.811	4.823	-0.012
10	C6_Unbiased	4.826	4.850	-0.024
0	106_Corr	4.758	4.758	0.000
30	A89_Biased	4.831	4.809	0.022
30	B8_Biased	4.898	4.897	0.001
30	B9_Biased	4.948	4.949	-0.001
30	C7_Biased	4.785	4.801	-0.016
30	C9_Biased	4.829	4.824	0.005
30	A90_Unbiased	4.931	4.894	0.037
30	B10_Unbiased	4.845	4.942	-0.097
30	B11_Unbiased	4.803	4.856	-0.053
30	C11_Unbiased	4.848	4.857	-0.009
30	C12_Unbiased	4.867	4.830	0.037
0	106_Corr	4.768	4.768	0.000
0	15B_Corr	4.769	4.769	0.000
50	A92_Biased	4.890	4.912	-0.022
50	A93_Biased	4.850	4.852	-0.002
50	B12_Biased	4.864	4.959	-0.095
50	B13_Biased	4.691	4.920	-0.229
50	C14_Biased	4.865	4.918	-0.053
50	A95_Unbiased	4.873	4.884	-0.011
50	A96_Unbiased	4.847	4.876	-0.029
50	B15_Unbiased	4.877	4.920	-0.043
50	B16_Unbiased	4.938	4.946	-0.008
50	C15_Unbiased	4.818	4.900	-0.082
0	106_Corr	4.758	4.742	0.016
100	A97_Biased	4.916	4.897	0.019
100	A99_Biased	4.836	4.860	-0.024
100	A100_Biased	4.898	4.919	-0.021
100	A101_Biased	4.895	4.870	0.025
100	A102_Biased	4.888	4.900	-0.012
100	A104_Biased	4.645	4.756	-0.111
100	A105_Biased	4.785	4.789	-0.004
100	B17_Biased	4.837	4.915	-0.078
100	B18_Biased	4.818	4.887	-0.069
100	B19_Biased	4.735	4.875	-0.140
100	B20_Biased	4.864	4.870	-0.006
100	B21_Biased	4.922	4.929	-0.007
100	B24_Biased	4.752	4.828	-0.076
100	B25_Biased	4.839	4.858	-0.019
100	B26_Biased	4.779	4.855	-0.076
100	C16_Biased	4.824	4.849	-0.025
100	C17_Biased	4.886	4.897	-0.011
100	C18_Biased	4.780	4.815	-0.035
100	C19_Biased	4.794	4.839	-0.045
100	C25_Biased	4.894	4.949	-0.055
100	C26_Biased	4.745	4.784	-0.039
100	C31_Biased	4.875	4.888	-0.013
100	A107_Unbiased	4.894	4.921	-0.025
100	A108_Unbiased	4.938	4.959	-0.021
100	A109_Unbiased	4.697	4.706	-0.009
100	A110_Unbiased	4.794	4.808	-0.014
100	A111_Unbiased	4.814	4.814	-0.004
100	A112_Unbiased	4.860	4.910	-0.050
100	A113_Unbiased	4.801	4.892	-0.091
100	B27_Unbiased	4.791	5.167	-0.376
100	B29_Unbiased	4.861	4.869	-0.008
100	B30_Unbiased	4.950	4.915	0.035
100	B31_Unbiased	4.787	4.862	-0.075
100	B32_Unbiased	4.934	4.900	0.034
100	B33_Unbiased	4.778	4.911	-0.133
100	B34_Unbiased	4.865	4.866	-0.001
100	B35_Unbiased	4.925	4.943	-0.018
100	C32_Unbiased	4.828	4.849	-0.021
100	C33_Unbiased	4.880	4.894	-0.014
100	C34_Unbiased	4.892	4.910	-0.018
100	C35_Unbiased	4.776	4.776	-0.017
100	C36_Unbiased	4.795	4.826	-0.031
100	C37_Unbiased	4.870	4.887	-0.017
100	C38_Unbiased	4.841	4.836	0.005
	Max	4.958	5.167	0.037
	Average	4.836	4.865	-0.028
	Min	4.645	4.706	-0.376
	Std Dev	0.065	0.069	0.057

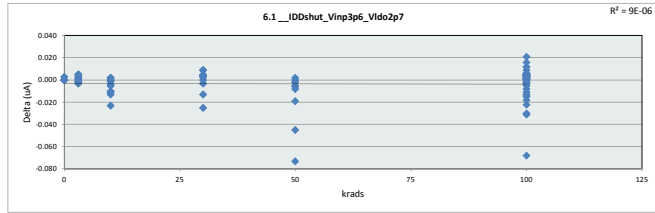


6.0_Ishut_Vinp3p6_Vldo2p7						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.742	4.706	4.823	4.801	4.852	4.706
Average	4.774	4.817	4.873	4.866	4.909	4.874
Max	4.832	4.945	4.957	4.949	4.959	5.167
UL	8.000	8.000	8.000	8.000	8.000	8.000

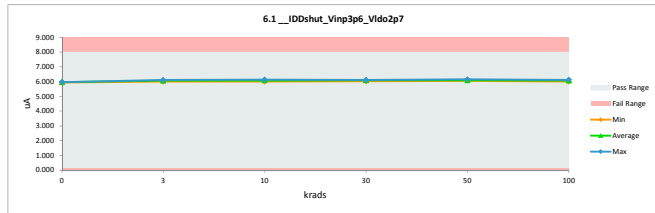


TID 100krad LDR Report
TPS7H3301-SP

6.1_IDDshut_Vinp3p6_Vldo2p7				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.941	5.941	0.000
3	A79_Biased	6.104	6.102	0.002
3	A80_Biased	6.100	6.103	-0.003
3	B1_Biased	6.115	6.112	0.003
3	B2_Biased	6.008	6.003	0.005
3	C1_Biased	5.998	5.999	-0.001
3	A82_Unbiased	6.095	6.094	0.001
3	A83_Unbiased	6.115	6.110	0.005
3	B4_Unbiased	6.028	6.023	0.005
3	B5_Unbiased	6.065	6.067	-0.002
3	C2_Unbiased	6.041	6.042	-0.001
10	A85_Biased	6.108	6.109	-0.001
10	A86_Biased	6.041	6.072	-0.011
10	B6_Biased	6.077	6.100	-0.023
10	C3_Biased	6.112	6.125	-0.013
10	C4_Biased	5.996	6.006	-0.010
10	A87_Unbiased	6.103	6.101	0.002
10	A88_Unbiased	6.066	6.066	0.000
10	B7_Unbiased	6.079	6.077	0.002
10	C5_Unbiased	6.034	6.038	-0.004
10	C6_Unbiased	6.064	6.069	-0.005
0	106_Corr	5.967	5.967	0.000
30	A89_Biased	6.100	6.095	0.005
30	B8_Biased	6.109	6.105	0.004
30	B9_Biased	6.106	6.106	0.000
30	C7_Biased	6.026	6.029	-0.003
30	C9_Biased	6.077	6.074	0.003
30	A90_Unbiased	6.116	6.107	0.009
30	B10_Unbiased	6.076	6.101	-0.025
30	B11_Unbiased	6.080	6.093	-0.013
30	C11_Unbiased	6.057	6.054	0.003
30	C12_Unbiased	6.047	6.038	0.009
0	106_Corr	5.969	5.969	0.000
0	15B_Corr	5.941	5.941	0.000
50	A92_Biased	6.103	6.105	-0.002
50	A93_Biased	6.056	6.056	0.000
50	B12_Biased	6.093	6.112	-0.019
50	B13_Biased	6.100	6.145	-0.045
50	C14_Biased	6.051	6.057	-0.006
50	A95_Unbiased	6.127	6.129	-0.002
50	A96_Unbiased	6.077	6.082	-0.005
50	B15_Unbiased	6.096	6.104	-0.008
50	B16_Unbiased	6.102	6.100	0.002
50	C15_Unbiased	5.998	6.071	-0.073
0	106_Corr	5.967	5.967	0.000
100	A97_Biased	6.132	6.120	0.012
100	A99_Biased	6.054	6.059	-0.005
100	A100_Biased	6.086	6.084	0.002
100	A101_Biased	6.079	6.070	0.009
100	A102_Biased	6.073	6.052	0.021
100	A104_Biased	6.023	6.045	-0.022
100	A105_Biased	6.084	6.080	0.004
100	B17_Biased	6.057	6.071	-0.014
100	B18_Biased	6.061	6.069	-0.008
100	B19_Biased	6.083	6.114	-0.031
100	B20_Biased	6.100	6.094	0.006
100	B21_Biased	6.106	6.105	0.001
100	B24_Biased	6.069	6.082	-0.013
100	B25_Biased	6.043	6.039	0.004
100	B26_Biased	6.013	6.028	-0.015
100	C16_Biased	5.999	5.996	0.003
100	C17_Biased	6.067	6.067	0.000
100	C18_Biased	6.047	6.046	0.001
100	C19_Biased	6.061	6.063	-0.002
100	C25_Biased	6.049	6.052	-0.003
100	C26_Biased	6.010	6.009	0.001
100	C31_Biased	6.050	6.045	0.005
100	A107_Unbiased	6.063	6.063	-0.002
100	A108_Unbiased	6.104	6.099	0.005
100	A109_Unbiased	6.014	6.010	0.004
100	A110_Unbiased	6.081	6.079	0.002
100	A111_Unbiased	6.100	6.095	0.005
100	A112_Unbiased	6.091	6.094	-0.003
100	A113_Unbiased	6.066	6.084	-0.018
100	B27_Unbiased	6.043	6.111	-0.068
100	B29_Unbiased	6.093	6.091	0.002
100	B30_Unbiased	6.112	6.100	0.012
100	B31_Unbiased	6.078	6.089	-0.011
100	B32_Unbiased	6.109	6.093	0.016
100	B33_Unbiased	6.071	6.101	-0.030
100	B34_Unbiased	6.093	6.090	0.003
100	B35_Unbiased	6.110	6.107	0.003
100	C32_Unbiased	5.998	5.996	0.002
100	C33_Unbiased	6.048	6.042	0.006
100	C34_Unbiased	6.105	6.101	0.004
100	C35_Unbiased	5.999	5.998	0.001
100	C36_Unbiased	5.996	5.996	0.000
100	C37_Unbiased	6.062	6.057	0.005
100	C38_Unbiased	6.085	6.082	0.003
	Max	6.132	6.145	0.021
	Average	6.063	6.067	-0.004
	Min	5.941	5.941	-0.073
	Std Dev	0.043	0.044	0.014

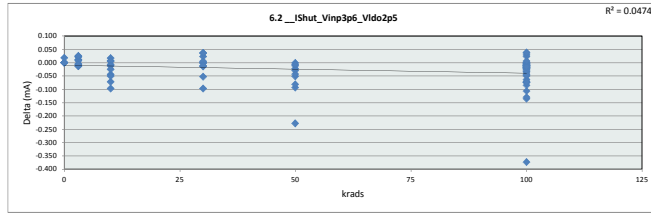


6.1_IDDshut_Vinp3p6_Vldo2p7						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.941	5.999	6.006	6.029	6.056	5.996
Average	5.956	6.066	6.076	6.080	6.096	6.067
Max	5.969	6.112	6.125	6.107	6.145	6.120
UL	8.000	8.000	8.000	8.000	8.000	8.000

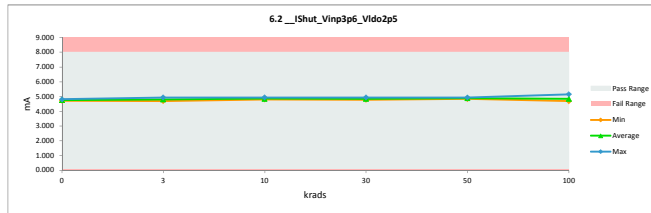


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6.2 IShut_Vinp3p6_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	4.817	4.817	0.000
3	A79_Biased	4.835	4.825	0.010
3	A80_Biased	4.770	4.784	-0.014
3	B1_Biased	4.940	4.930	0.010
3	B2_Biased	4.723	4.702	0.021
3	C1_Biased	4.688	4.693	-0.005
3	A82_Unbiased	4.893	4.886	0.007
3	A83_Unbiased	4.870	4.847	0.023
3	B4_Unbiased	4.722	4.697	0.025
3	B5_Unbiased	4.818	4.832	-0.014
3	C2_Unbiased	4.823	4.831	-0.008
10	A85_Biased	4.902	4.909	-0.007
10	A86_Biased	4.779	4.824	-0.045
10	B6_Biased	4.767	4.865	-0.098
10	C3_Biased	4.867	4.939	-0.072
10	C4_Biased	4.772	4.823	-0.051
10	A87_Unbiased	4.829	4.813	0.016
10	A88_Unbiased	4.906	4.900	0.006
10	B7_Unbiased	4.846	4.840	0.006
10	C5_Unbiased	4.794	4.806	-0.012
10	C6_Unbiased	4.808	4.833	-0.025
0	106_Corr	4.741	4.741	0.000
30	A89_Biased	4.815	4.793	0.022
30	B8_Biased	4.880	4.881	-0.001
30	B9_Biased	4.930	4.931	-0.001
30	C7_Biased	4.769	4.784	-0.015
30	C9_Biased	4.812	4.808	0.004
30	A90_Unbiased	4.914	4.878	0.036
30	B10_Unbiased	4.828	4.925	-0.097
30	B11_Unbiased	4.786	4.839	-0.053
30	C11_Unbiased	4.830	4.842	-0.012
30	C12_Unbiased	4.849	4.813	0.036
0	106_Corr	4.751	4.751	0.000
0	15B_Corr	4.753	4.753	0.000
50	A92_Biased	4.873	4.896	-0.023
50	A93_Biased	4.833	4.834	-0.001
50	B12_Biased	4.847	4.941	-0.094
50	B13_Biased	4.675	4.903	-0.228
50	C14_Biased	4.849	4.901	-0.052
50	A95_Unbiased	4.857	4.869	-0.012
50	A96_Unbiased	4.830	4.860	-0.030
50	B15_Unbiased	4.860	4.904	-0.044
50	B16_Unbiased	4.921	4.929	-0.008
50	C15_Unbiased	4.801	4.883	-0.082
0	106_Corr	4.741	4.741	0.000
100	A97_Biased	4.899	4.876	0.023
100	A99_Biased	4.819	4.843	-0.024
100	A100_Biased	4.881	4.902	-0.021
100	A101_Biased	4.878	4.849	0.029
100	A102_Biased	4.869	4.880	-0.011
100	A104_Biased	4.629	4.736	-0.107
100	A105_Biased	4.768	4.770	-0.002
100	B17_Biased	4.820	4.895	-0.075
100	B18_Biased	4.803	4.867	-0.064
100	B19_Biased	4.719	4.855	-0.136
100	B20_Biased	4.846	4.851	-0.005
100	B21_Biased	4.905	4.911	-0.006
100	B24_Biased	4.736	4.807	-0.071
100	B25_Biased	4.822	4.839	-0.017
100	B26_Biased	4.762	4.837	-0.075
100	C16_Biased	4.808	4.832	-0.024
100	C17_Biased	4.869	4.879	-0.010
100	C18_Biased	4.762	4.797	-0.035
100	C19_Biased	4.776	4.820	-0.044
100	C25_Biased	4.877	4.928	-0.051
100	C26_Biased	4.728	4.763	-0.035
100	C31_Biased	4.859	4.870	-0.011
100	A107_Unbiased	4.880	4.902	-0.022
100	A108_Unbiased	4.920	4.940	-0.020
100	A109_Unbiased	4.682	4.686	-0.004
100	A110_Unbiased	4.778	4.789	-0.011
100	A111_Unbiased	4.794	4.796	-0.002
100	A112_Unbiased	4.843	4.890	-0.047
100	A113_Unbiased	4.785	4.871	-0.086
100	B27_Unbiased	4.774	5.148	-0.374
100	B29_Unbiased	4.843	4.851	-0.008
100	B30_Unbiased	4.832	4.896	-0.064
100	B31_Unbiased	4.771	4.844	-0.073
100	B32_Unbiased	4.917	4.879	0.038
100	B33_Unbiased	4.761	4.891	-0.130
100	B34_Unbiased	4.847	4.846	0.001
100	B35_Unbiased	4.908	4.924	-0.016
100	C32_Unbiased	4.812	4.831	-0.019
100	C33_Unbiased	4.863	4.873	-0.010
100	C34_Unbiased	4.874	4.892	-0.018
100	C35_Unbiased	4.744	4.758	-0.014
100	C36_Unbiased	4.777	4.806	-0.029
100	C37_Unbiased	4.853	4.869	-0.016
100	C38_Unbiased	4.823	4.817	0.006
	Max	4.940	5.148	0.038
	Average	4.819	4.847	-0.028
	Min	4.629	4.686	-0.374
	Std Dev	0.065	0.068	0.057

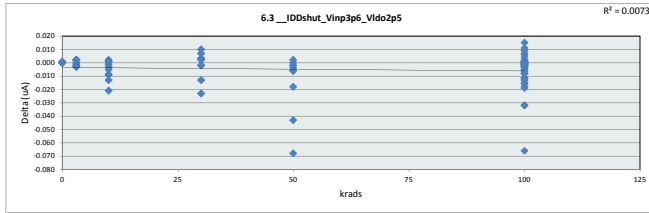


6.2 IShut_Vinp3p6_Vldo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.723	4.693	4.806	4.784	4.834	4.686
Average	4.757	4.803	4.855	4.849	4.892	4.855
Max	4.817	4.930	4.939	4.931	4.941	5.148
UL	8.000	8.000	8.000	8.000	8.000	8.000

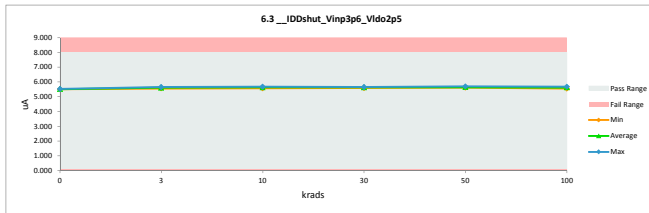


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6.3_IDDshut_Vinp3p6_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.502	5.502	0.000
3	A79_Biased	5.651	5.651	0.000
3	A80_Biased	5.649	5.651	-0.002
3	B1_Biased	5.662	5.660	0.002
3	B2_Biased	5.561	5.559	0.002
3	C1_Biased	5.553	5.556	-0.003
3	A82_Unbiased	5.643	5.644	-0.001
3	A83_Unbiased	5.660	5.658	0.002
3	B4_Unbiased	5.580	5.578	0.002
3	B5_Unbiased	5.615	5.618	-0.003
3	C2_Unbiased	5.593	5.596	-0.003
10	A85_Biased	5.654	5.655	-0.001
10	A86_Biased	5.612	5.621	-0.009
10	B6_Biased	5.625	5.646	-0.021
10	C3_Biased	5.658	5.671	-0.013
10	C4_Biased	5.551	5.560	-0.009
10	A87_Unbiased	5.650	5.648	0.002
10	A88_Unbiased	5.616	5.615	0.001
10	B7_Unbiased	5.627	5.626	0.001
10	C5_Unbiased	5.586	5.589	-0.003
10	C6_Unbiased	5.614	5.619	-0.005
0	106_Corr	5.523	5.523	0.000
30	A89_Biased	5.645	5.642	0.003
30	B8_Biased	5.655	5.652	0.003
30	B9_Biased	5.652	5.654	-0.002
30	C7_Biased	5.579	5.581	-0.002
30	C9_Biased	5.626	5.623	0.003
30	A90_Unbiased	5.663	5.653	0.010
30	B10_Unbiased	5.625	5.648	-0.023
30	B11_Unbiased	5.628	5.641	-0.013
30	C11_Unbiased	5.607	5.605	0.002
30	C12_Unbiased	5.597	5.590	0.007
0	106_Corr	5.527	5.527	0.000
0	15B_Corr	5.499	5.499	0.000
50	A92_Biased	5.649	5.651	-0.002
50	A93_Biased	5.607	5.607	0.000
50	B12_Biased	5.640	5.658	-0.018
50	B13_Biased	5.647	5.690	-0.043
50	C14_Biased	5.601	5.607	-0.006
50	A95_Unbiased	5.674	5.674	-0.002
50	A96_Unbiased	5.626	5.630	-0.004
50	B15_Unbiased	5.644	5.650	-0.006
50	B16_Unbiased	5.649	5.647	0.002
50	C15_Unbiased	5.552	5.620	-0.068
0	106_Corr	5.522	5.522	0.001
100	A97_Biased	5.674	5.668	0.006
100	A99_Biased	5.604	5.612	-0.008
100	A100_Biased	5.634	5.633	0.001
100	A101_Biased	5.628	5.621	0.007
100	A102_Biased	5.620	5.605	0.015
100	A104_Biased	5.577	5.595	-0.018
100	A105_Biased	5.632	5.631	0.001
100	B17_Biased	5.607	5.623	-0.016
100	B18_Biased	5.610	5.622	-0.012
100	B19_Biased	5.631	5.663	-0.032
100	B20_Biased	5.648	5.648	0.000
100	B21_Biased	5.652	5.656	-0.004
100	B24_Biased	5.619	5.632	-0.013
100	B25_Biased	5.594	5.594	0.000
100	B26_Biased	5.567	5.582	-0.015
100	C16_Biased	5.553	5.555	-0.002
100	C17_Biased	5.616	5.619	-0.003
100	C18_Biased	5.598	5.597	0.001
100	C19_Biased	5.610	5.615	-0.005
100	C25_Biased	5.598	5.604	-0.006
100	C26_Biased	5.564	5.564	0.000
100	C31_Biased	5.602	5.600	0.002
100	A107_Unbiased	5.611	5.612	-0.001
100	A108_Unbiased	5.651	5.652	-0.001
100	A109_Unbiased	5.567	5.566	0.001
100	A110_Unbiased	5.630	5.630	0.000
100	A111_Unbiased	5.647	5.649	-0.002
100	A112_Unbiased	5.639	5.647	-0.008
100	A113_Unbiased	5.615	5.634	-0.019
100	B27_Unbiased	5.594	5.600	-0.066
100	B29_Unbiased	5.640	5.641	-0.001
100	B30_Unbiased	5.657	5.648	0.009
100	B31_Unbiased	5.628	5.639	-0.011
100	B32_Unbiased	5.655	5.644	0.011
100	B33_Unbiased	5.620	5.652	-0.032
100	B34_Unbiased	5.641	5.641	0.000
100	B35_Unbiased	5.655	5.656	-0.001
100	C32_Unbiased	5.552	5.553	-0.001
100	C33_Unbiased	5.599	5.595	0.004
100	C34_Unbiased	5.652	5.653	-0.001
100	C35_Unbiased	5.593	5.556	-0.033
100	C36_Unbiased	5.552	5.552	0.000
100	C37_Unbiased	5.612	5.612	0.000
100	C38_Unbiased	5.633	5.634	-0.001
	Max	5.674	5.690	0.015
	Average	5.613	5.618	-0.005
	Min	5.499	5.499	-0.068
	Std Dev	0.040	0.041	0.013

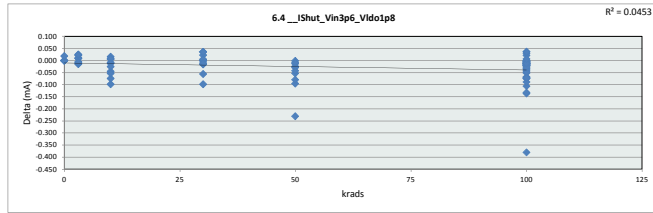


6.3_IDDshut_Vinp3p6_Vldo2						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.499	5.556	5.560	5.581	5.607	5.552
Average	5.515	5.617	5.625	5.629	5.643	5.620
Max	5.527	5.660	5.671	5.654	5.690	5.668
UL	8.000	8.000	8.000	8.000	8.000	8.000

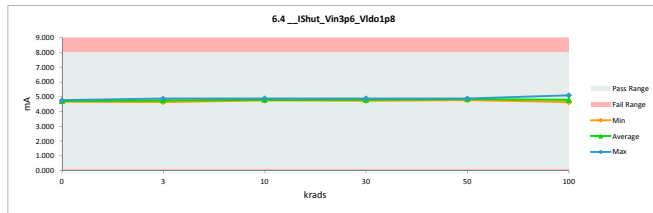


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6.4 _IShut_Vin3p6_VIdo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	
Delta				
0	C35_Corr	4.769	4.769	0.000
3	A79_Biased	4.790	4.779	0.011
3	A80_Biased	4.725	4.740	-0.015
3	B1_Biased	4.891	4.882	0.009
3	B2_Biased	4.678	4.656	0.022
3	C1_Biased	4.645	4.650	-0.005
3	A82_Unbiased	4.848	4.839	0.009
3	A83_Unbiased	4.825	4.802	0.023
3	B4_Unbiased	4.677	4.652	0.025
3	B5_Unbiased	4.772	4.785	-0.013
3	C2_Unbiased	4.778	4.786	-0.008
10	A85_Biased	4.854	4.862	-0.008
10	A86_Biased	4.733	4.778	-0.045
10	B6_Biased	4.720	4.818	-0.098
10	C3_Biased	4.818	4.892	-0.074
10	C4_Biased	4.728	4.781	-0.053
10	A87_Unbiased	4.784	4.768	0.016
10	A88_Unbiased	4.858	4.852	0.006
10	B7_Unbiased	4.799	4.793	0.006
10	C5_Unbiased	4.748	4.760	-0.012
10	C6_Unbiased	4.763	4.788	-0.025
0	106_Corr	4.694	4.694	0.000
30	A89_Biased	4.771	4.749	0.022
30	B8_Biased	4.833	4.833	0.000
30	B9_Biased	4.883	4.884	-0.001
30	C7_Biased	4.723	4.739	-0.016
30	C9_Biased	4.767	4.762	0.005
30	A90_Unbiased	4.867	4.831	0.036
30	B10_Unbiased	4.779	4.877	-0.098
30	B11_Unbiased	4.736	4.791	-0.055
30	C11_Unbiased	4.785	4.796	-0.011
30	C12_Unbiased	4.803	4.767	0.036
0	106_Corr	4.705	4.705	0.000
0	15B_Corr	4.706	4.706	0.000
50	A92_Biased	4.826	4.850	-0.024
50	A93_Biased	4.787	4.788	-0.001
50	B12_Biased	4.798	4.893	-0.095
50	B13_Biased	4.628	4.859	-0.231
50	C14_Biased	4.802	4.855	-0.053
50	A95_Unbiased	4.810	4.823	-0.013
50	A96_Unbiased	4.783	4.812	-0.029
50	B15_Unbiased	4.813	4.856	-0.043
50	B16_Unbiased	4.873	4.882	-0.009
50	C15_Unbiased	4.758	4.837	-0.079
0	106_Corr	4.676	4.676	0.000
100	A97_Biased	4.853	4.832	0.021
100	A99_Biased	4.772	4.793	-0.021
100	A100_Biased	4.836	4.856	-0.020
100	A101_Biased	4.832	4.803	0.029
100	A102_Biased	4.823	4.833	-0.010
100	A104_Biased	4.584	4.690	-0.106
100	A105_Biased	4.724	4.725	-0.001
100	B17_Biased	4.773	4.847	-0.074
100	B18_Biased	4.755	4.822	-0.067
100	B19_Biased	4.670	4.806	-0.136
100	B20_Biased	4.799	4.804	-0.005
100	B21_Biased	4.856	4.860	-0.004
100	B24_Biased	4.690	4.761	-0.071
100	B25_Biased	4.775	4.790	-0.015
100	B26_Biased	4.712	4.786	-0.074
100	C16_Biased	4.764	4.787	-0.023
100	C17_Biased	4.822	4.831	-0.009
100	C18_Biased	4.715	4.748	-0.033
100	C19_Biased	4.731	4.774	-0.043
100	C25_Biased	4.830	4.881	-0.051
100	C26_Biased	4.683	4.719	-0.036
100	C31_Biased	4.812	4.823	-0.011
100	A107_Unbiased	4.832	4.853	-0.021
100	A108_Unbiased	4.872	4.892	-0.020
100	A109_Unbiased	4.638	4.643	-0.005
100	A110_Unbiased	4.734	4.745	-0.011
100	A111_Unbiased	4.749	4.750	-0.001
100	A112_Unbiased	4.796	4.844	-0.048
100	A113_Unbiased	4.739	4.828	-0.089
100	B27_Unbiased	4.727	5.107	-0.380
100	B29_Unbiased	4.795	4.802	-0.007
100	B30_Unbiased	4.884	4.847	0.037
100	B31_Unbiased	4.722	4.794	-0.072
100	B32_Unbiased	4.868	4.832	0.036
100	B33_Unbiased	4.711	4.844	-0.133
100	B34_Unbiased	4.800	4.800	0.000
100	B35_Unbiased	4.859	4.873	-0.014
100	C32_Unbiased	4.768	4.784	-0.016
100	C33_Unbiased	4.813	4.825	-0.012
100	C34_Unbiased	4.826	4.843	-0.017
100	C35_Unbiased	4.700	4.713	-0.013
100	C36_Unbiased	4.734	4.762	-0.028
100	C37_Unbiased	4.808	4.820	-0.012
100	C38_Unbiased	4.777	4.770	0.007
	Max	4.891	5.107	0.037
	Average	4.773	4.800	-0.028
	Min	4.584	4.643	-0.380
	Std Dev	0.064	0.068	0.058

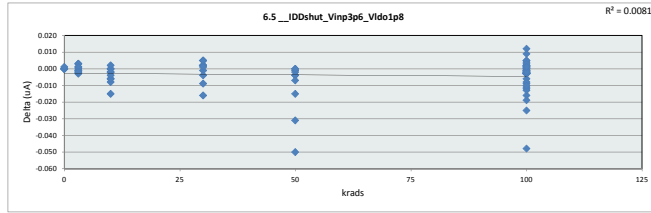


6.4 _IShut_Vin3p6_VIdo1p8					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	8	mA			
Min Limit	0.1	mA			
krads	0	3	10	30	50
LL	0.100	0.100	0.100	0.100	0.100
Min	4.676	4.650	4.760	4.739	4.788
Average	4.710	4.757	4.809	4.803	4.846
Max	4.769	4.882	4.892	4.884	4.893
UL	8.000	8.000	8.000	8.000	8.000

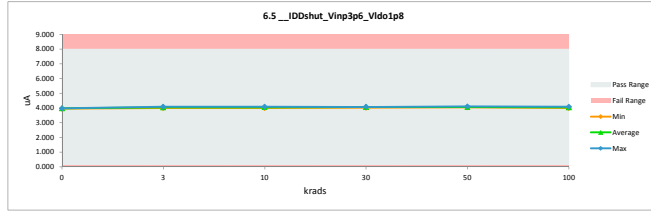


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6.5_IDDshut_Vinp3p6_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.960	3.960	0.000
3	A79_Biased	4.068	4.067	0.001
3	A80_Biased	4.064	4.067	-0.003
3	B1_Biased	4.074	4.074	0.000
3	B2_Biased	4.003	4.000	0.003
3	C1_Biased	3.997	3.998	-0.001
3	A82_Unbiased	4.061	4.062	-0.001
3	A83_Unbiased	4.075	4.072	0.003
3	B4_Unbiased	4.015	4.014	0.001
3	B5_Unbiased	4.042	4.044	-0.002
3	C2_Unbiased	4.025	4.027	-0.002
10	A85_Biased	4.069	4.071	-0.002
10	A86_Biased	4.040	4.046	-0.006
10	B6_Biased	4.049	4.064	-0.015
10	C3_Biased	4.073	4.081	-0.008
10	C4_Biased	3.995	4.001	-0.006
10	A87_Unbiased	4.066	4.066	0.000
10	A88_Unbiased	4.042	4.042	0.000
10	B7_Unbiased	4.050	4.048	0.002
10	C5_Unbiased	4.021	4.023	-0.002
10	C6_Unbiased	4.040	4.044	-0.004
0	106_Corr	3.977	3.977	0.000
30	A89_Biased	4.063	4.061	0.002
30	B8_Biased	4.070	4.068	0.002
30	B9_Biased	4.069	4.070	-0.001
30	C7_Biased	4.015	4.019	-0.004
30	C9_Biased	4.050	4.048	0.002
30	A90_Unbiased	4.074	4.069	0.005
30	B10_Unbiased	4.050	4.066	-0.016
30	B11_Unbiased	4.052	4.061	-0.009
30	C11_Unbiased	4.035	4.034	0.001
30	C12_Unbiased	4.029	4.024	0.005
0	106_Corr	3.977	3.977	0.000
0	15B_Corr	3.960	3.960	0.000
50	A92_Biased	4.066	4.067	-0.001
50	A93_Biased	4.036	4.036	0.000
50	B12_Biased	4.059	4.074	-0.015
50	B13_Biased	4.063	4.094	-0.031
50	C14_Biased	4.031	4.035	-0.004
50	A95_Unbiased	4.082	4.084	-0.002
50	A96_Unbiased	4.050	4.054	-0.004
50	B15_Unbiased	4.061	4.068	-0.007
50	B16_Unbiased	4.065	4.065	0.000
50	C15_Unbiased	3.996	4.046	-0.050
0	106_Corr	3.977	3.977	0.001
100	A97_Biased	4.086	4.081	0.005
100	A99_Biased	4.033	4.039	-0.006
100	A100_Biased	4.056	4.054	0.002
100	A101_Biased	4.051	4.047	0.004
100	A102_Biased	4.046	4.034	0.012
100	A104_Biased	4.014	4.030	-0.016
100	A105_Biased	4.053	4.054	-0.001
100	B17_Biased	4.036	4.045	-0.009
100	B18_Biased	4.039	4.047	-0.008
100	B19_Biased	4.054	4.073	-0.019
100	B20_Biased	4.064	4.064	0.000
100	B21_Biased	4.069	4.071	-0.002
100	B24_Biased	4.044	4.055	-0.011
100	B25_Biased	4.026	4.026	0.000
100	B26_Biased	4.007	4.019	-0.012
100	C16_Biased	3.998	4.000	-0.002
100	C17_Biased	4.043	4.046	-0.003
100	C18_Biased	4.029	4.032	-0.003
100	C19_Biased	4.039	4.041	-0.002
100	C25_Biased	4.030	4.033	-0.003
100	C26_Biased	4.004	4.003	0.001
100	C31_Biased	4.031	4.030	0.001
100	A107_Unbiased	4.038	4.041	-0.003
100	A108_Unbiased	4.066	4.069	-0.003
100	A109_Unbiased	4.007	4.010	-0.003
100	A110_Unbiased	4.052	4.052	0.000
100	A111_Unbiased	4.054	4.052	0.002
100	A112_Unbiased	4.059	4.062	-0.003
100	A113_Unbiased	4.041	4.054	-0.013
100	B27_Unbiased	4.027	4.075	-0.048
100	B29_Unbiased	4.060	4.062	-0.002
100	B30_Unbiased	4.072	4.063	0.009
100	B31_Unbiased	4.050	4.060	-0.010
100	B32_Unbiased	4.069	4.064	0.005
100	B33_Unbiased	4.044	4.069	-0.025
100	B34_Unbiased	4.060	4.058	0.002
100	B35_Unbiased	4.070	4.071	-0.001
100	C32_Unbiased	3.997	4.000	-0.003
100	C33_Unbiased	4.030	4.027	0.003
100	C34_Unbiased	4.067	4.088	-0.001
100	C35_Unbiased	3.998	3.997	0.001
100	C36_Unbiased	3.996	3.998	-0.002
100	C37_Unbiased	4.039	4.041	-0.002
100	C38_Unbiased	4.055	4.054	0.001
	Max	4.086	4.094	0.012
	Average	4.040	4.044	-0.004
	Min	3.960	3.960	-0.050
	Std Dev	0.029	0.010	0.010

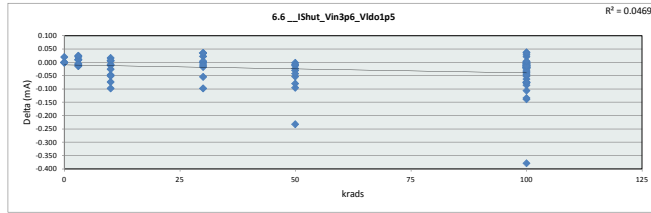


6.5_IDDshut_Vinp3p6_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.960	3.998	4.001	4.019	4.035	3.997
Average	3.970	4.043	4.049	4.052	4.062	4.045
Max	3.977	4.074	4.081	4.070	4.094	4.081
UL	8.000	8.000	8.000	8.000	8.000	8.000

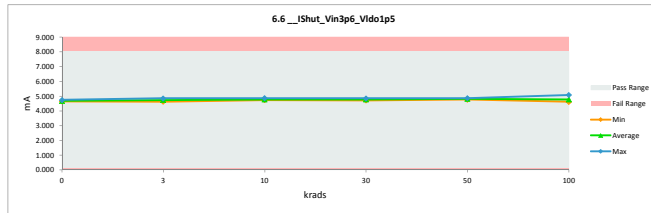


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6.6_Ishut_Vin3p6_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	
0	C35_Corr	4.746	4.746	0.000
3	A79_Biased	4.768	4.757	0.011
3	A80_Biased	4.704	4.718	-0.014
3	B1_Biased	4.868	4.858	0.010
3	B2_Biased	4.655	4.634	0.021
3	C1_Biased	4.624	4.629	-0.005
3	A82_Unbiased	4.826	4.817	0.009
3	A83_Unbiased	4.803	4.779	0.024
3	B4_Unbiased	4.656	4.631	0.025
3	B5_Unbiased	4.749	4.762	-0.013
3	C2_Unbiased	4.756	4.764	-0.008
10	A85_Biased	4.831	4.838	-0.007
10	A86_Biased	4.709	4.756	-0.047
10	B6_Biased	4.697	4.795	-0.098
10	C3_Biased	4.795	4.869	-0.074
10	C4_Biased	4.708	4.759	-0.051
10	A87_Unbiased	4.761	4.745	0.016
10	A88_Unbiased	4.835	4.829	0.006
10	B7_Unbiased	4.777	4.770	0.007
10	C5_Unbiased	4.726	4.737	-0.011
10	C6_Unbiased	4.742	4.767	-0.025
0	106_Corr	4.672	4.672	0.000
30	A89_Biased	4.749	4.727	0.022
30	B8_Biased	4.810	4.810	0.000
30	B9_Biased	4.859	4.861	-0.002
30	C7_Biased	4.700	4.717	-0.017
30	C9_Biased	4.745	4.740	0.005
30	A90_Unbiased	4.845	4.809	0.036
30	B10_Unbiased	4.755	4.853	-0.098
30	B11_Unbiased	4.713	4.767	-0.054
30	C11_Unbiased	4.733	4.710	0.023
30	C12_Unbiased	4.780	4.745	0.035
0	106_Corr	4.683	4.683	0.000
0	15B_Corr	4.683	4.683	0.000
50	A92_Biased	4.804	4.827	-0.023
50	A93_Biased	4.764	4.766	-0.012
50	B12_Biased	4.775	4.870	-0.095
50	B13_Biased	4.606	4.838	-0.232
50	C14_Biased	4.781	4.834	-0.053
50	A95_Unbiased	4.789	4.801	-0.012
50	A96_Unbiased	4.760	4.790	-0.030
50	B15_Unbiased	4.791	4.833	-0.042
50	B16_Unbiased	4.850	4.858	-0.008
50	C15_Unbiased	4.736	4.815	-0.079
0	106_Corr	4.652	4.652	0.000
100	A97_Biased	4.831	4.810	0.021
100	A99_Biased	4.750	4.772	-0.022
100	A100_Biased	4.814	4.833	-0.019
100	A101_Biased	4.808	4.799	0.009
100	A102_Biased	4.800	4.811	-0.011
100	A104_Biased	4.563	4.669	-0.106
100	A105_Biased	4.702	4.706	-0.004
100	B17_Biased	4.750	4.826	-0.076
100	B18_Biased	4.734	4.797	-0.063
100	B19_Biased	4.647	4.785	-0.138
100	B20_Biased	4.777	4.779	-0.002
100	B21_Biased	4.834	4.840	-0.006
100	B24_Biased	4.668	4.743	-0.075
100	B25_Biased	4.752	4.770	-0.018
100	B26_Biased	4.688	4.765	-0.077
100	C16_Biased	4.743	4.765	-0.022
100	C17_Biased	4.800	4.810	-0.010
100	C18_Biased	4.692	4.727	-0.035
100	C19_Biased	4.709	4.753	-0.044
100	C25_Biased	4.808	4.860	-0.052
100	C26_Biased	4.661	4.698	-0.037
100	C31_Biased	4.790	4.800	-0.010
100	A107_Unbiased	4.809	4.830	-0.021
100	A108_Unbiased	4.848	4.866	-0.018
100	A109_Unbiased	4.617	4.621	-0.004
100	A110_Unbiased	4.712	4.722	-0.010
100	A111_Unbiased	4.727	4.726	0.001
100	A112_Unbiased	4.774	4.821	-0.047
100	A113_Unbiased	4.717	4.802	-0.085
100	B27_Unbiased	4.705	5.084	-0.379
100	B29_Unbiased	4.773	4.779	-0.006
100	B30_Unbiased	4.860	4.822	0.038
100	B31_Unbiased	4.699	4.772	-0.073
100	B32_Unbiased	4.845	4.809	0.036
100	B33_Unbiased	4.687	4.820	-0.133
100	B34_Unbiased	4.777	4.775	0.002
100	B35_Unbiased	4.835	4.852	-0.017
100	C32_Unbiased	4.746	4.765	-0.019
100	C33_Unbiased	4.790	4.804	-0.014
100	C34_Unbiased	4.803	4.817	-0.014
100	C35_Unbiased	4.678	4.693	-0.015
100	C36_Unbiased	4.713	4.742	-0.029
100	C37_Unbiased	4.785	4.798	-0.013
100	C38_Unbiased	4.753	4.749	0.004
	Max	4.868	5.084	0.038
	Average	4.751	4.778	-0.028
	Min	4.563	4.621	-0.379
	Std Dev	0.064	0.068	0.058

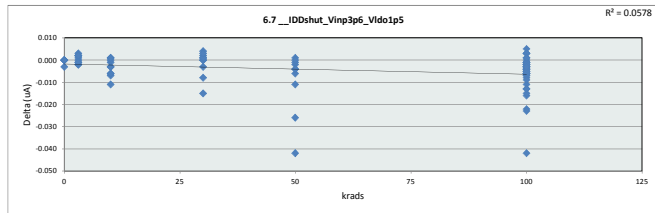


6.6_Ishut_Vin3p6_Vldo1p5					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	8	mA			
Min Limit	0.1	mA			
krads	0	3	10	30	50
LL	0.100	0.100	0.100	0.100	0.100
Min	4.652	4.629	4.737	4.717	4.766
Average	4.687	4.735	4.787	4.780	4.823
Max	4.746	4.858	4.869	4.861	4.870
UL	8.000	8.000	8.000	8.000	8.000

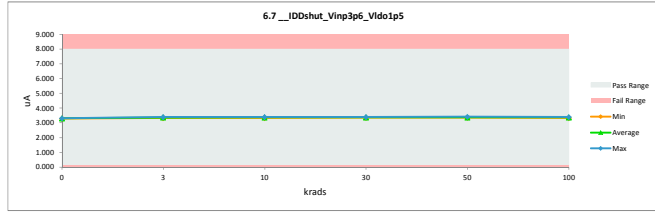


TID 100krad LDR Report
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6.7_IDDshut_Vinp3p6_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.298	3.298	0.000
3	A79_Biased	3.388	3.388	0.000
3	A80_Biased	3.387	3.388	-0.001
3	B1_Biased	3.395	3.393	0.002
3	B2_Biased	3.335	3.332	0.003
3	C1_Biased	3.329	3.331	-0.002
3	A82_Unbiased	3.384	3.383	0.001
3	A83_Unbiased	3.394	3.392	0.002
3	B4_Unbiased	3.346	3.344	0.002
3	B5_Unbiased	3.366	3.368	-0.002
3	C2_Unbiased	3.353	3.354	-0.001
10	A85_Biased	3.390	3.391	-0.001
10	A86_Biased	3.365	3.371	-0.006
10	B6_Biased	3.374	3.385	-0.011
10	C3_Biased	3.392	3.399	-0.007
10	C4_Biased	3.328	3.334	-0.006
10	A87_Unbiased	3.388	3.387	0.001
10	A88_Unbiased	3.367	3.367	0.000
10	B7_Unbiased	3.373	3.372	0.001
10	C5_Unbiased	3.349	3.352	-0.003
10	C6_Unbiased	3.366	3.369	-0.003
0	106_Corr	3.313	3.313	0.000
30	A89_Biased	3.384	3.383	0.001
30	B8_Biased	3.392	3.390	0.002
30	B9_Biased	3.389	3.389	0.000
30	C7_Biased	3.345	3.348	-0.003
30	C9_Biased	3.372	3.372	0.000
30	A90_Unbiased	3.395	3.391	0.004
30	B10_Unbiased	3.372	3.387	-0.015
30	B11_Unbiased	3.376	3.384	-0.008
30	C11_Unbiased	3.362	3.361	0.001
30	C12_Unbiased	3.356	3.353	0.003
0	106_Corr	3.314	3.314	0.000
0	15B_Corr	3.298	3.298	0.000
50	A92_Biased	3.388	3.390	-0.002
50	A93_Biased	3.362	3.361	0.001
50	B12_Biased	3.382	3.393	-0.011
50	B13_Biased	3.386	3.412	-0.026
50	C14_Biased	3.357	3.363	-0.006
50	A95_Unbiased	3.402	3.403	-0.001
50	A96_Unbiased	3.373	3.377	-0.004
50	B15_Unbiased	3.384	3.388	-0.004
50	B16_Unbiased	3.387	3.387	0.000
50	C15_Unbiased	3.329	3.371	-0.042
0	106_Corr	3.313	3.313	0.000
100	A97_Biased	3.403	3.400	0.003
100	A99_Biased	3.361	3.367	-0.006
100	A100_Biased	3.377	3.383	-0.006
100	A101_Biased	3.374	3.371	0.003
100	A102_Biased	3.371	3.366	0.005
100	A104_Biased	3.344	3.360	-0.016
100	A105_Biased	3.376	3.378	-0.002
100	B17_Biased	3.362	3.375	-0.013
100	B18_Biased	3.363	3.370	-0.007
100	B19_Biased	3.376	3.398	-0.022
100	B20_Biased	3.385	3.385	0.000
100	B21_Biased	3.389	3.390	-0.001
100	B24_Biased	3.368	3.379	-0.011
100	B25_Biased	3.354	3.357	-0.003
100	B26_Biased	3.337	3.352	-0.015
100	C16_Biased	3.330	3.331	-0.001
100	C17_Biased	3.369	3.373	-0.004
100	C18_Biased	3.356	3.360	-0.004
100	C19_Biased	3.364	3.372	-0.008
100	C25_Biased	3.356	3.362	-0.006
100	C26_Biased	3.336	3.341	-0.005
100	C31_Biased	3.359	3.360	-0.001
100	A107_Unbiased	3.364	3.368	-0.004
100	A108_Unbiased	3.387	3.389	-0.002
100	A109_Unbiased	3.338	3.344	-0.006
100	A110_Unbiased	3.375	3.378	-0.003
100	A111_Unbiased	3.387	3.390	-0.003
100	A112_Unbiased	3.382	3.389	-0.007
100	A113_Unbiased	3.368	3.381	-0.013
100	B27_Unbiased	3.355	3.397	-0.042
100	B29_Unbiased	3.382	3.385	-0.003
100	B30_Unbiased	3.389	3.389	0.000
100	B31_Unbiased	3.374	3.383	-0.009
100	B32_Unbiased	3.390	3.389	0.001
100	B33_Unbiased	3.370	3.393	-0.023
100	B34_Unbiased	3.381	3.383	-0.002
100	B35_Unbiased	3.390	3.395	-0.005
100	C32_Unbiased	3.329	3.335	-0.006
100	C33_Unbiased	3.357	3.358	-0.001
100	C34_Unbiased	3.390	3.389	0.001
100	C35_Unbiased	3.329	3.334	-0.005
100	C36_Unbiased	3.329	3.333	-0.004
100	C37_Unbiased	3.364	3.366	-0.002
100	C38_Unbiased	3.378	3.381	-0.003
	Max	3.403	3.412	0.005
	Average	3.365	3.370	-0.005
	Min	3.298	3.298	-0.042
	Std Dev	0.024	0.024	0.008

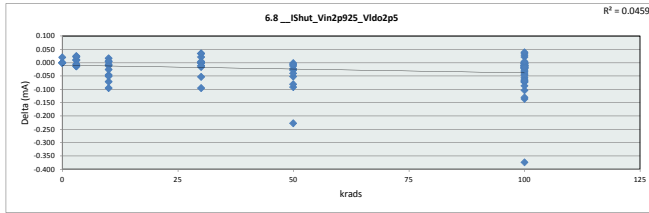


6.7_IDDshut_Vinp3p6_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.298	3.331	3.334	3.348	3.361	3.331
Average	3.308	3.367	3.373	3.376	3.385	3.372
Max	3.316	3.393	3.399	3.391	3.412	3.400
UL	8.000	8.000	8.000	8.000	8.000	8.000

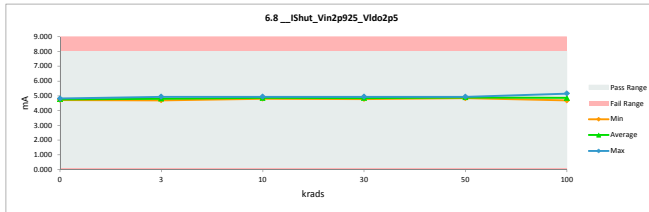


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6.8 _IShut_Vin2p925_VIdo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	4.815	4.815	0.000
3	A79_Biased	4.833	4.823	0.010
3	A80_Biased	4.769	4.783	-0.014
3	B1_Biased	4.937	4.927	0.010
3	B2_Biased	4.721	4.699	0.022
3	C1_Biased	4.686	4.691	-0.005
3	A82_Unbiased	4.892	4.883	0.009
3	A83_Unbiased	4.867	4.845	0.022
3	B4_Unbiased	4.720	4.695	0.025
3	B5_Unbiased	4.817	4.830	-0.013
3	C2_Unbiased	4.821	4.829	-0.008
10	A85_Biased	4.900	4.906	-0.006
10	A86_Biased	4.777	4.823	-0.046
10	B6_Biased	4.768	4.863	-0.095
10	C3_Biased	4.865	4.936	-0.071
10	C4_Biased	4.770	4.821	-0.051
10	A87_Unbiased	4.826	4.810	0.016
10	A88_Unbiased	4.904	4.899	0.005
10	B7_Unbiased	4.844	4.838	0.006
10	C5_Unbiased	4.792	4.803	-0.011
10	C6_Unbiased	4.806	4.822	-0.026
0	106_Corr	4.739	4.739	0.000
30	A89_Biased	4.812	4.791	0.021
30	B8_Biased	4.878	4.878	0.000
30	B9_Biased	4.929	4.930	-0.001
30	C7_Biased	4.766	4.782	-0.016
30	C9_Biased	4.809	4.805	0.004
30	A90_Unbiased	4.912	4.877	0.035
30	B10_Unbiased	4.828	4.923	-0.095
30	B11_Unbiased	4.785	4.838	-0.053
30	C11_Unbiased	4.828	4.839	-0.011
30	C12_Unbiased	4.847	4.813	0.034
0	106_Corr	4.750	4.750	0.000
0	15B_Corr	4.750	4.750	0.000
50	A92_Biased	4.870	4.893	-0.023
50	A93_Biased	4.831	4.832	-0.001
50	B12_Biased	4.846	4.938	-0.092
50	B13_Biased	4.673	4.900	-0.227
50	C14_Biased	4.847	4.899	-0.052
50	A95_Unbiased	4.854	4.866	-0.012
50	A96_Unbiased	4.829	4.857	-0.028
50	B15_Unbiased	4.860	4.900	-0.040
50	B16_Unbiased	4.919	4.927	-0.008
50	C15_Unbiased	4.800	4.881	-0.081
0	106_Corr	4.719	4.719	0.000
100	A97_Biased	4.898	4.877	0.021
100	A99_Biased	4.818	4.840	-0.022
100	A100_Biased	4.880	4.897	-0.017
100	A101_Biased	4.876	4.848	0.028
100	A102_Biased	4.868	4.880	-0.012
100	A104_Biased	4.629	4.733	-0.104
100	A105_Biased	4.766	4.769	-0.003
100	B17_Biased	4.821	4.893	-0.072
100	B18_Biased	4.802	4.864	-0.062
100	B19_Biased	4.718	4.854	-0.136
100	B20_Biased	4.844	4.847	-0.003
100	B21_Biased	4.903	4.907	-0.004
100	B24_Biased	4.736	4.805	-0.069
100	B25_Biased	4.821	4.838	-0.017
100	B26_Biased	4.760	4.832	-0.072
100	C16_Biased	4.807	4.828	-0.021
100	C17_Biased	4.867	4.877	-0.010
100	C18_Biased	4.760	4.793	-0.033
100	C19_Biased	4.774	4.817	-0.043
100	C25_Biased	4.875	4.930	-0.055
100	C26_Biased	4.725	4.764	-0.039
100	C31_Biased	4.856	4.866	-0.010
100	A107_Unbiased	4.878	4.900	-0.022
100	A108_Unbiased	4.919	4.937	-0.018
100	A109_Unbiased	4.680	4.685	-0.005
100	A110_Unbiased	4.776	4.786	-0.010
100	A111_Unbiased	4.791	4.791	0.000
100	A112_Unbiased	4.843	4.891	-0.048
100	A113_Unbiased	4.786	4.873	-0.087
100	B27_Unbiased	4.771	5.145	-0.374
100	B29_Unbiased	4.841	4.846	-0.005
100	B30_Unbiased	4.929	4.933	-0.004
100	B31_Unbiased	4.771	4.839	-0.068
100	B32_Unbiased	4.915	4.876	0.039
100	B33_Unbiased	4.759	4.889	-0.130
100	B34_Unbiased	4.845	4.844	0.001
100	B35_Unbiased	4.906	4.922	-0.016
100	C32_Unbiased	4.810	4.826	-0.016
100	C33_Unbiased	4.860	4.871	-0.011
100	C34_Unbiased	4.873	4.886	-0.013
100	C35_Unbiased	4.741	4.752	-0.011
100	C36_Unbiased	4.776	4.804	-0.028
100	C37_Unbiased	4.850	4.867	-0.017
100	C38_Unbiased	4.821	4.816	0.005
	Max	4.927	5.145	0.039
	Average	4.818	4.845	-0.027
	Min	4.629	4.685	-0.374
	Std Dev	0.065	0.068	0.057



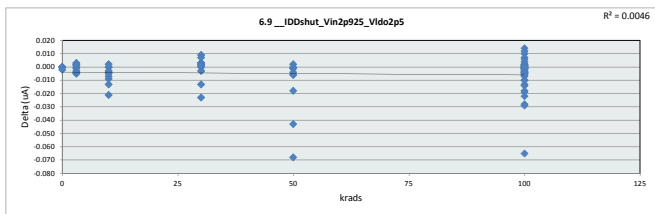
6.8 _IShut_Vin2p925_VIdo2p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.719	4.691	4.803	4.782	4.832	4.685
Average	4.755	4.801	4.853	4.848	4.889	4.852
Max	4.815	4.927	4.936	4.930	4.938	5.145
UL	8.000	8.000	8.000	8.000	8.000	8.000



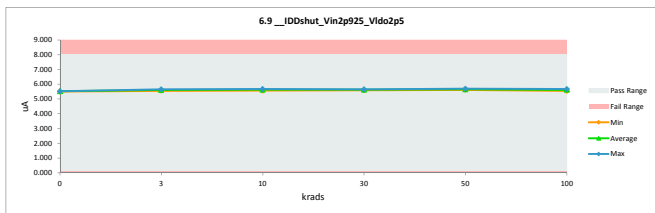
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6.9_IDDshut_Vin2p925_Vldo2			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	uA	uA	
Max Limit	8	8	
Min Limit	0.1	0.1	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.502	5.502	0.000
3	A79_Biased	5.652	5.651	0.001
3	A80_Biased	5.647	5.652	-0.005
3	B1_Biased	5.661	5.661	0.000
3	B2_Biased	5.561	5.559	0.002
3	C1_Biased	5.552	5.555	-0.003
3	A82_Unbiased	5.643	5.644	-0.001
3	A83_Unbiased	5.662	5.659	0.003
3	B4_Unbiased	5.580	5.578	0.002
3	B5_Unbiased	5.614	5.619	-0.005
3	C2_Unbiased	5.592	5.596	-0.004
10	A85_Biased	5.653	5.656	-0.003
10	A86_Biased	5.611	5.620	-0.009
10	B6_Biased	5.626	5.647	-0.021
10	C3_Biased	5.658	5.671	-0.013
10	C4_Biased	5.552	5.559	-0.007
10	A87_Unbiased	5.649	5.649	0.000
10	A88_Unbiased	5.616	5.616	0.000
10	B7_Unbiased	5.627	5.625	0.002
10	C5_Unbiased	5.586	5.590	-0.004
10	C6_Unbiased	5.614	5.619	-0.005
0	106_Corr	5.524	5.524	0.000
30	A89_Biased	5.646	5.643	0.003
30	B8_Biased	5.655	5.652	0.003
30	B9_Biased	5.652	5.652	0.000
30	C7_Biased	5.579	5.582	-0.003
30	C9_Biased	5.625	5.623	0.002
30	A90_Unbiased	5.663	5.654	0.009
30	B10_Unbiased	5.626	5.649	-0.023
30	B11_Unbiased	5.629	5.642	-0.013
30	C11_Unbiased	5.607	5.606	0.001
30	C12_Unbiased	5.598	5.591	0.007
0	106_Corr	5.527	5.527	0.000
0	15B_Corr	5.499	5.499	0.000
50	A92_Biased	5.650	5.651	-0.001
50	A93_Biased	5.607	5.607	0.000
50	B12_Biased	5.641	5.659	-0.018
50	B13_Biased	5.647	5.690	-0.043
50	C14_Biased	5.601	5.607	-0.006
50	A95_Unbiased	5.672	5.673	-0.001
50	A96_Unbiased	5.627	5.631	-0.004
50	B15_Unbiased	5.644	5.650	-0.006
50	B16_Unbiased	5.649	5.647	0.002
50	C15_Unbiased	5.552	5.620	-0.068
0	106_Corr	5.524	5.524	0.000
100	A97_Biased	5.675	5.668	0.007
100	A99_Biased	5.605	5.611	-0.006
100	A100_Biased	5.635	5.633	0.002
100	A101_Biased	5.629	5.623	0.006
100	A102_Biased	5.622	5.608	0.014
100	A104_Biased	5.576	5.595	-0.019
100	A105_Biased	5.633	5.631	0.002
100	B17_Biased	5.609	5.623	-0.014
100	B18_Biased	5.611	5.621	-0.010
100	B19_Biased	5.632	5.660	-0.028
100	B20_Biased	5.648	5.644	0.004
100	B21_Biased	5.653	5.653	0.000
100	B24_Biased	5.619	5.632	-0.013
100	B25_Biased	5.595	5.593	0.002
100	B26_Biased	5.566	5.584	-0.018
100	C16_Biased	5.553	5.554	-0.001
100	C17_Biased	5.617	5.616	0.001
100	C18_Biased	5.598	5.601	-0.003
100	C19_Biased	5.610	5.617	-0.007
100	C25_Biased	5.599	5.604	-0.005
100	C26_Biased	5.563	5.567	-0.004
100	C31_Biased	5.601	5.601	0.000
100	A107_Unbiased	5.610	5.614	-0.004
100	A108_Unbiased	5.650	5.651	-0.001
100	A109_Unbiased	5.567	5.567	0.000
100	A110_Unbiased	5.631	5.631	0.000
100	A111_Unbiased	5.648	5.649	-0.001
100	A112_Unbiased	5.640	5.644	-0.004
100	A113_Unbiased	5.615	5.637	-0.022
100	B27_Unbiased	5.595	5.600	-0.005
100	B29_Unbiased	5.641	5.641	0.000
100	B30_Unbiased	5.658	5.648	0.010
100	B31_Unbiased	5.628	5.638	-0.010
100	B32_Unbiased	5.655	5.643	0.012
100	B33_Unbiased	5.621	5.650	-0.029
100	B34_Unbiased	5.640	5.639	0.001
100	B35_Unbiased	5.655	5.658	-0.003
100	C32_Unbiased	5.553	5.557	-0.004
100	C33_Unbiased	5.598	5.597	0.001
100	C34_Unbiased	5.651	5.653	-0.002
100	C35_Unbiased	5.554	5.555	-0.001
100	C36_Unbiased	5.550	5.556	-0.006
100	C37_Unbiased	5.612	5.613	-0.001
100	C38_Unbiased	5.634	5.634	0.000
	Max	5.675	5.690	0.014
	Average	5.613	5.618	-0.005
	Min	5.499	5.499	-0.068
	Std Dev	0.040	0.040	0.013



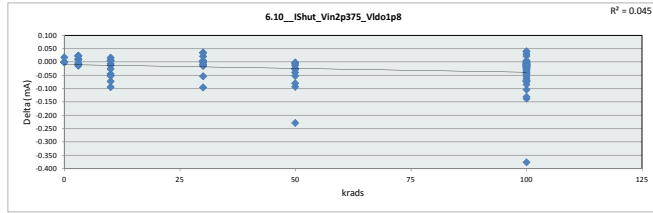
6.9_IDDshut_Vin2p925_Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8 uA					
Min Limit	0.1 uA					
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.499	5.555	5.559	5.582	5.607	5.554
Average	5.516	5.617	5.625	5.629	5.644	5.620
Max	5.527	5.661	5.671	5.654	5.690	5.668
UL	8.000	8.000	8.000	8.000	8.000	8.000



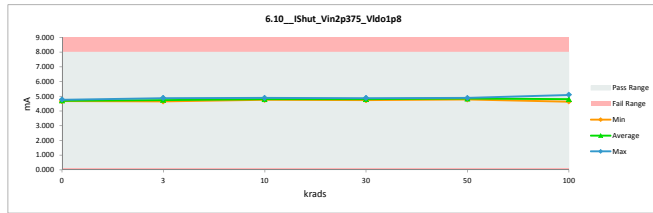
TID 100krad LDR Report
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6.10_Ishut_Vin2p375_Vldo1p8			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mA	mA	
Max Limit	8	8	
Min Limit	0.1	0.1	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	4.765	4.765	0.000
3	A79_Biased	4.787	4.776	0.011
3	A80_Biased	4.722	4.736	-0.014
3	B1_Biased	4.887	4.877	0.010
3	B2_Biased	4.674	4.652	0.022
3	C1_Biased	4.642	4.646	-0.004
3	A82_Unbiased	4.845	4.836	0.009
3	A83_Unbiased	4.822	4.798	0.024
3	B4_Unbiased	4.673	4.649	0.024
3	B5_Unbiased	4.769	4.780	-0.011
3	C2_Unbiased	4.775	4.782	-0.007
10	A85_Biased	4.852	4.858	-0.006
10	A86_Biased	4.730	4.775	-0.045
10	B6_Biased	4.719	4.813	-0.094
10	C3_Biased	4.815	4.887	-0.072
10	C4_Biased	4.725	4.777	-0.052
10	A87_Unbiased	4.780	4.764	0.016
10	A88_Unbiased	4.855	4.849	0.006
10	B7_Unbiased	4.795	4.789	0.006
10	C5_Unbiased	4.744	4.756	-0.012
10	C6_Unbiased	4.760	4.786	-0.026
0	106_Corr	4.691	4.691	0.000
30	A89_Biased	4.767	4.746	0.021
30	B8_Biased	4.830	4.829	0.001
30	B9_Biased	4.879	4.880	-0.001
30	C7_Biased	4.719	4.734	-0.015
30	C9_Biased	4.764	4.758	0.006
30	A90_Unbiased	4.865	4.829	0.036
30	B10_Unbiased	4.778	4.873	-0.095
30	B11_Unbiased	4.735	4.788	-0.053
30	C11_Unbiased	4.791	4.791	-0.009
30	C12_Unbiased	4.800	4.765	0.035
0	106_Corr	4.702	4.702	0.000
0	15B_Corr	4.703	4.703	0.000
50	A92_Biased	4.823	4.846	-0.023
50	A93_Biased	4.783	4.784	-0.001
50	B12_Biased	4.796	4.889	-0.093
50	B13_Biased	4.626	4.854	-0.228
50	C14_Biased	4.799	4.851	-0.052
50	A95_Unbiased	4.808	4.820	-0.012
50	A96_Unbiased	4.780	4.808	-0.028
50	B15_Unbiased	4.812	4.851	-0.039
50	B16_Unbiased	4.871	4.877	-0.006
50	C15_Unbiased	4.754	4.833	-0.079
0	106_Corr	4.673	4.673	0.000
100	A97_Biased	4.850	4.827	0.023
100	A99_Biased	4.770	4.790	-0.020
100	A100_Biased	4.833	4.854	-0.021
100	A101_Biased	4.829	4.799	0.030
100	A102_Biased	4.820	4.832	-0.012
100	A104_Biased	4.583	4.687	-0.104
100	A105_Biased	4.721	4.721	0.000
100	B17_Biased	4.771	4.843	-0.072
100	B18_Biased	4.755	4.816	-0.061
100	B19_Biased	4.668	4.805	-0.137
100	B20_Biased	4.795	4.801	-0.006
100	B21_Biased	4.854	4.857	-0.003
100	B24_Biased	4.688	4.757	-0.069
100	B25_Biased	4.772	4.786	-0.014
100	B26_Biased	4.710	4.784	-0.074
100	C16_Biased	4.761	4.783	-0.022
100	C17_Biased	4.821	4.830	-0.009
100	C18_Biased	4.712	4.745	-0.033
100	C19_Biased	4.728	4.769	-0.041
100	C25_Biased	4.827	4.880	-0.053
100	C26_Biased	4.680	4.717	-0.037
100	C31_Biased	4.809	4.817	-0.008
100	A107_Unbiased	4.830	4.853	-0.023
100	A108_Unbiased	4.869	4.887	-0.018
100	A109_Unbiased	4.635	4.640	-0.005
100	A110_Unbiased	4.731	4.740	-0.009
100	A111_Unbiased	4.745	4.746	-0.001
100	A112_Unbiased	4.795	4.841	-0.046
100	A113_Unbiased	4.739	4.823	-0.084
100	B27_Unbiased	4.723	5.099	-0.376
100	B29_Unbiased	4.791	4.799	-0.008
100	B30_Unbiased	4.879	4.840	0.039
100	B31_Unbiased	4.722	4.791	-0.069
100	B32_Unbiased	4.866	4.826	0.040
100	B33_Unbiased	4.709	4.839	-0.130
100	B34_Unbiased	4.797	4.795	0.002
100	B35_Unbiased	4.855	4.869	-0.014
100	C32_Unbiased	4.765	4.781	-0.016
100	C33_Unbiased	4.810	4.824	-0.014
100	C34_Unbiased	4.823	4.837	-0.014
100	C35_Unbiased	4.696	4.709	-0.013
100	C36_Unbiased	4.732	4.761	-0.029
100	C37_Unbiased	4.803	4.815	-0.012
100	C38_Unbiased	4.773	4.767	0.006
	Max	4.887	5.099	0.040
	Average	4.770	4.777	-0.027
	Min	4.583	4.640	-0.376
	Std Dev	0.064	0.068	0.057

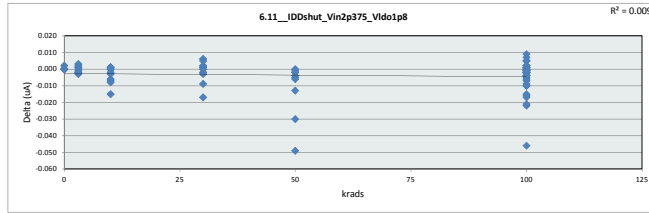


6.10_Ishut_Vin2p375_Vldo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.673	4.646	4.756	4.734	4.784	4.640
Average	4.707	4.753	4.805	4.799	4.841	4.804
Max	4.765	4.877	4.887	4.880	4.889	5.099
UL	8.000	8.000	8.000	8.000	8.000	8.000

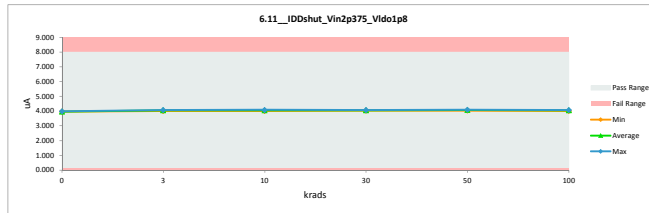


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6.11_IDDshut_Vin2p375_Vldo1				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.959	3.959	0.000
3	A79_Biased	4.068	4.067	0.001
3	A80_Biased	4.064	4.067	-0.003
3	B1_Biased	4.074	4.073	0.001
3	B2_Biased	4.003	4.001	0.002
3	C1_Biased	3.997	3.999	-0.002
3	A82_Unbiased	4.061	4.062	-0.001
3	A83_Unbiased	4.075	4.072	0.003
3	B4_Unbiased	4.015	4.015	0.000
3	B5_Unbiased	4.041	4.043	-0.002
3	C2_Unbiased	4.026	4.028	-0.002
10	A85_Biased	4.070	4.070	0.000
10	A86_Biased	4.038	4.045	-0.007
10	B6_Biased	4.049	4.064	-0.015
10	C3_Biased	4.073	4.081	-0.008
10	C4_Biased	3.995	4.001	-0.006
10	A87_Unbiased	4.066	4.066	0.000
10	A88_Unbiased	4.042	4.041	0.001
10	B7_Unbiased	4.050	4.049	0.001
10	C5_Unbiased	4.020	4.023	-0.003
10	C6_Unbiased	4.042	4.044	-0.002
0	106_Corr	3.976	3.976	0.000
30	A89_Biased	4.064	4.062	0.002
30	B8_Biased	4.070	4.069	0.001
30	B9_Biased	4.067	4.069	-0.002
30	C7_Biased	4.016	4.019	-0.003
30	C9_Biased	4.049	4.048	0.001
30	A90_Unbiased	4.076	4.070	0.006
30	B10_Unbiased	4.050	4.067	-0.017
30	B11_Unbiased	4.052	4.061	-0.009
30	C11_Unbiased	4.035	4.035	0.000
30	C12_Unbiased	4.029	4.024	0.005
0	106_Corr	3.978	3.978	0.000
0	15B_Corr	3.960	3.960	0.000
50	A92_Biased	4.067	4.069	-0.002
50	A93_Biased	4.035	4.035	0.000
50	B12_Biased	4.059	4.072	-0.013
50	B13_Biased	4.065	4.095	-0.030
50	C14_Biased	4.031	4.036	-0.005
50	A95_Unbiased	4.063	4.062	0.001
50	A96_Unbiased	4.049	4.053	-0.004
50	B15_Unbiased	4.062	4.068	-0.006
50	B16_Unbiased	4.064	4.065	-0.001
50	C15_Unbiased	3.996	4.045	-0.049
0	106_Corr	3.974	3.974	0.000
100	A97_Biased	4.085	4.078	0.007
100	A99_Biased	4.034	4.038	-0.004
100	A100_Biased	4.056	4.057	-0.001
100	A101_Biased	4.045	4.045	0.000
100	A102_Biased	4.046	4.037	0.009
100	A104_Biased	4.014	4.031	-0.017
100	A105_Biased	4.053	4.051	0.002
100	B17_Biased	4.037	4.046	-0.009
100	B18_Biased	4.038	4.044	-0.006
100	B19_Biased	4.054	4.076	-0.022
100	B20_Biased	4.065	4.064	0.001
100	B21_Biased	4.068	4.066	0.002
100	B24_Biased	4.044	4.054	-0.010
100	B25_Biased	4.027	4.028	-0.001
100	B26_Biased	4.004	4.019	-0.015
100	C16_Biased	3.997	3.998	-0.001
100	C17_Biased	4.042	4.042	0.000
100	C18_Biased	4.029	4.032	-0.003
100	C19_Biased	4.038	4.040	-0.002
100	C25_Biased	4.029	4.036	-0.007
100	C26_Biased	4.005	4.006	-0.001
100	C31_Biased	4.032	4.034	-0.002
100	A107_Unbiased	4.039	4.043	-0.004
100	A108_Unbiased	4.066	4.068	-0.002
100	A109_Unbiased	4.007	4.007	0.000
100	A110_Unbiased	4.053	4.052	0.001
100	A111_Unbiased	4.065	4.065	0.000
100	A112_Unbiased	4.059	4.064	-0.005
100	A113_Unbiased	4.041	4.057	-0.016
100	B27_Unbiased	4.027	4.073	-0.046
100	B29_Unbiased	4.060	4.060	0.000
100	B30_Unbiased	4.072	4.067	0.005
100	B31_Unbiased	4.051	4.061	-0.010
100	B32_Unbiased	4.069	4.064	0.005
100	B33_Unbiased	4.045	4.066	-0.021
100	B34_Unbiased	4.060	4.060	0.000
100	B35_Unbiased	4.071	4.073	-0.002
100	C32_Unbiased	3.997	3.996	0.001
100	C33_Unbiased	4.029	4.028	0.001
100	C34_Unbiased	4.067	4.066	0.001
100	C35_Unbiased	3.998	3.999	-0.001
100	C36_Unbiased	3.995	3.999	-0.004
100	C37_Unbiased	4.039	4.040	-0.001
100	C38_Unbiased	4.055	4.053	0.002
	Max	4.085	4.095	0.009
	Average	4.040	4.044	-0.004
	Min	3.959	3.959	-0.049
	Std Dev	0.029	0.029	0.009



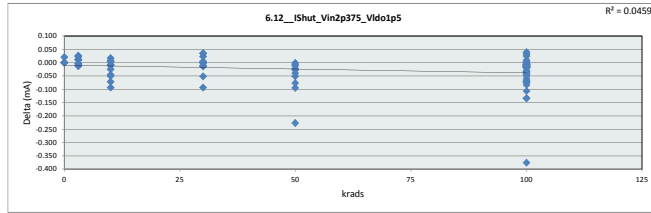
6.11_IDDshut_Vin2p375_Vldo1						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.959	3.999	4.001	4.019	4.035	3.996
Average	3.969	4.043	4.048	4.052	4.062	4.045
Max	3.978	4.073	4.081	4.070	4.095	4.078
UL	8.000	8.000	8.000	8.000	8.000	8.000



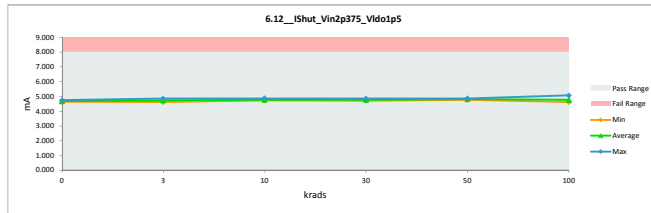
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6.12_Ishut_Vin2p375_Vldo1p5			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mA	mA	
Max Limit	8	8	
Min Limit	0.1	0.1	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	4.743	4.743	0.000
3	A79_Biased	4.765	4.755	0.010
3	A80_Biased	4.702	4.715	-0.013
3	B1_Biased	4.865	4.855	0.010
3	B2_Biased	4.652	4.630	0.022
3	C1_Biased	4.621	4.625	-0.004
3	A82_Unbiased	4.824	4.814	0.010
3	A83_Unbiased	4.801	4.776	0.025
3	B4_Unbiased	4.652	4.627	0.025
3	B5_Unbiased	4.747	4.758	-0.011
3	C2_Unbiased	4.755	4.760	-0.005
10	A85_Biased	4.829	4.836	-0.007
10	A86_Biased	4.708	4.754	-0.046
10	B6_Biased	4.697	4.791	-0.094
10	C3_Biased	4.793	4.865	-0.072
10	C4_Biased	4.705	4.756	-0.051
10	A87_Unbiased	4.759	4.742	0.017
10	A88_Unbiased	4.832	4.828	0.004
10	B7_Unbiased	4.773	4.766	0.007
10	C5_Unbiased	4.723	4.734	-0.011
10	C6_Unbiased	4.739	4.764	-0.025
0	106_Corr	4.670	4.670	0.000
30	A89_Biased	4.747	4.725	0.022
30	B8_Biased	4.807	4.807	0.000
30	B9_Biased	4.857	4.859	-0.002
30	C7_Biased	4.698	4.713	-0.015
30	C9_Biased	4.741	4.731	0.004
30	A90_Unbiased	4.842	4.807	0.035
30	B10_Unbiased	4.756	4.850	-0.094
30	B11_Unbiased	4.713	4.765	-0.052
30	C11_Unbiased	4.771	4.771	-0.011
30	C12_Unbiased	4.778	4.743	0.035
0	106_Corr	4.680	4.680	0.000
0	15B_Corr	4.681	4.681	0.000
50	A92_Biased	4.801	4.824	-0.023
50	A93_Biased	4.761	4.763	-0.012
50	B12_Biased	4.772	4.867	-0.095
50	B13_Biased	4.605	4.832	-0.227
50	C14_Biased	4.778	4.830	-0.052
50	A95_Unbiased	4.787	4.799	-0.012
50	A96_Unbiased	4.758	4.786	-0.028
50	B15_Unbiased	4.789	4.829	-0.040
50	B16_Unbiased	4.848	4.855	-0.007
50	C15_Unbiased	4.734	4.811	-0.077
0	106_Corr	4.670	4.670	0.000
100	A97_Biased	4.829	4.805	0.024
100	A99_Biased	4.748	4.767	-0.019
100	A100_Biased	4.812	4.831	-0.019
100	A101_Biased	4.806	4.777	0.029
100	A102_Biased	4.797	4.808	-0.011
100	A104_Biased	4.562	4.669	-0.107
100	A105_Biased	4.701	4.701	0.000
100	B17_Biased	4.749	4.822	-0.073
100	B18_Biased	4.734	4.796	-0.062
100	B19_Biased	4.646	4.781	-0.135
100	B20_Biased	4.774	4.779	-0.005
100	B21_Biased	4.831	4.836	-0.005
100	B24_Biased	4.668	4.739	-0.071
100	B25_Biased	4.750	4.766	-0.016
100	B26_Biased	4.687	4.763	-0.076
100	C16_Biased	4.741	4.760	-0.019
100	C17_Biased	4.799	4.806	-0.007
100	C18_Biased	4.690	4.724	-0.034
100	C19_Biased	4.706	4.748	-0.042
100	C25_Biased	4.806	4.858	-0.052
100	C26_Biased	4.659	4.695	-0.036
100	C31_Biased	4.788	4.797	-0.009
100	A107_Unbiased	4.828	4.828	0.000
100	A108_Unbiased	4.847	4.863	-0.016
100	A109_Unbiased	4.614	4.622	-0.008
100	A110_Unbiased	4.711	4.722	-0.011
100	A111_Unbiased	4.724	4.723	0.001
100	A112_Unbiased	4.773	4.818	-0.045
100	A113_Unbiased	4.718	4.802	-0.084
100	B27_Unbiased	4.701	5.077	-0.376
100	B29_Unbiased	4.769	4.777	-0.008
100	B30_Unbiased	4.821	4.821	0.000
100	B31_Unbiased	4.698	4.766	-0.068
100	B32_Unbiased	4.843	4.804	0.039
100	B33_Unbiased	4.685	4.818	-0.133
100	B34_Unbiased	4.774	4.771	0.003
100	B35_Unbiased	4.832	4.848	-0.016
100	C32_Unbiased	4.744	4.761	-0.017
100	C33_Unbiased	4.788	4.799	-0.011
100	C34_Unbiased	4.800	4.815	-0.015
100	C35_Unbiased	4.676	4.687	-0.011
100	C36_Unbiased	4.710	4.740	-0.030
100	C37_Unbiased	4.781	4.796	-0.015
100	C38_Unbiased	4.751	4.742	0.009
	Max	4.865	5.077	0.039
	Average	4.748	4.775	-0.027
	Min	4.562	4.622	-0.376
	Std Dev	0.064	0.067	0.057

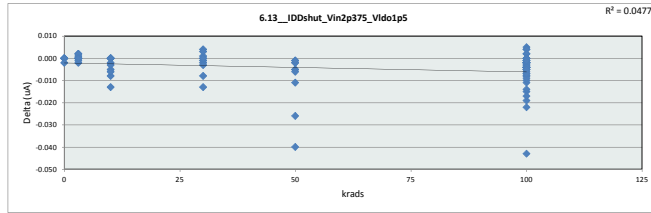


6.12_Ishut_Vin2p375_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	4.650	4.625	4.734	4.713	4.763	4.622
Average	4.685	4.732	4.784	4.778	4.820	4.782
Max	4.743	4.855	4.865	4.859	4.867	5.077
UL	8.000	8.000	8.000	8.000	8.000	8.000

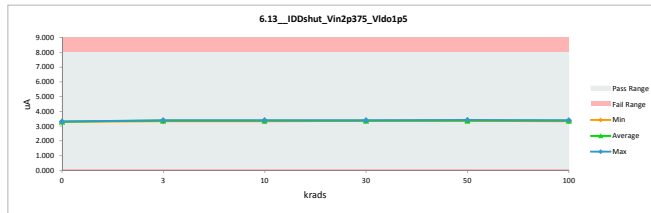


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6.13_IDDshut_Vin2p375_Vldo1				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	8	8		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.299	3.299	0.000
3	A79_Biased	3.389	3.389	0.000
3	A80_Biased	3.386	3.388	-0.002
3	B1_Biased	3.394	3.393	0.001
3	B2_Biased	3.335	3.333	0.002
3	C1_Biased	3.330	3.330	0.000
3	A82_Unbiased	3.384	3.384	0.000
3	A83_Unbiased	3.394	3.392	0.002
3	B4_Unbiased	3.344	3.344	0.000
3	B5_Unbiased	3.367	3.368	-0.001
3	C2_Unbiased	3.354	3.354	0.000
10	A85_Biased	3.390	3.390	0.000
10	A86_Biased	3.364	3.369	-0.005
10	B6_Biased	3.374	3.387	-0.013
10	C3_Biased	3.392	3.400	-0.008
10	C4_Biased	3.328	3.334	-0.006
10	A87_Unbiased	3.387	3.387	0.000
10	A88_Unbiased	3.367	3.367	0.000
10	B7_Unbiased	3.374	3.374	0.000
10	C5_Unbiased	3.349	3.351	-0.002
10	C6_Unbiased	3.366	3.369	-0.003
0	106_Corr	3.313	3.313	0.000
30	A89_Biased	3.385	3.384	0.001
30	B8_Biased	3.390	3.391	-0.001
30	B9_Biased	3.388	3.390	-0.002
30	C7_Biased	3.345	3.348	-0.003
30	C9_Biased	3.373	3.373	0.000
30	A90_Unbiased	3.394	3.390	0.004
30	B10_Unbiased	3.374	3.387	-0.013
30	B11_Unbiased	3.375	3.383	-0.008
30	C11_Unbiased	3.362	3.362	0.000
30	C12_Unbiased	3.356	3.353	0.003
0	106_Corr	3.314	3.314	0.000
0	15B_Corr	3.298	3.298	0.000
50	A92_Biased	3.387	3.389	-0.002
50	A93_Biased	3.361	3.362	-0.001
50	B12_Biased	3.383	3.394	-0.011
50	B13_Biased	3.386	3.412	-0.026
50	C14_Biased	3.358	3.363	-0.005
50	A95_Unbiased	3.401	3.403	-0.002
50	A96_Unbiased	3.373	3.378	-0.005
50	B15_Unbiased	3.383	3.389	-0.006
50	B16_Unbiased	3.386	3.387	-0.001
50	C15_Unbiased	3.330	3.370	-0.040
0	106_Corr	3.313	3.313	-0.002
100	A97_Biased	3.403	3.401	0.002
100	A99_Biased	3.361	3.365	-0.004
100	A100_Biased	3.378	3.379	-0.001
100	A101_Biased	3.375	3.370	0.005
100	A102_Biased	3.370	3.366	0.004
100	A104_Biased	3.343	3.358	-0.015
100	A105_Biased	3.376	3.379	-0.003
100	B17_Biased	3.363	3.374	-0.011
100	B18_Biased	3.363	3.371	-0.008
100	B19_Biased	3.376	3.395	-0.019
100	B20_Biased	3.386	3.386	0.000
100	B21_Biased	3.389	3.391	-0.002
100	B24_Biased	3.370	3.380	-0.010
100	B25_Biased	3.354	3.357	-0.003
100	B26_Biased	3.337	3.351	-0.014
100	C16_Biased	3.330	3.332	-0.002
100	C17_Biased	3.367	3.369	-0.002
100	C18_Biased	3.356	3.360	-0.004
100	C19_Biased	3.364	3.372	-0.008
100	C25_Biased	3.358	3.365	-0.007
100	C26_Biased	3.336	3.340	-0.004
100	C31_Biased	3.358	3.359	-0.001
100	A107_Unbiased	3.363	3.367	-0.004
100	A108_Unbiased	3.388	3.390	-0.002
100	A109_Unbiased	3.338	3.340	-0.002
100	A110_Unbiased	3.375	3.380	-0.005
100	A111_Unbiased	3.386	3.390	-0.004
100	A112_Unbiased	3.381	3.386	-0.005
100	A113_Unbiased	3.367	3.384	-0.017
100	B27_Unbiased	3.355	3.398	-0.043
100	B29_Unbiased	3.382	3.384	-0.002
100	B30_Unbiased	3.389	3.389	0.000
100	B31_Unbiased	3.374	3.383	-0.009
100	B32_Unbiased	3.390	3.388	0.002
100	B33_Unbiased	3.370	3.392	-0.022
100	B34_Unbiased	3.381	3.383	-0.002
100	B35_Unbiased	3.391	3.395	-0.004
100	C32_Unbiased	3.330	3.336	-0.006
100	C33_Unbiased	3.357	3.357	0.000
100	C34_Unbiased	3.389	3.389	0.000
100	C35_Unbiased	3.329	3.336	-0.007
100	C36_Unbiased	3.328	3.332	-0.004
100	C37_Unbiased	3.364	3.369	-0.005
100	C38_Unbiased	3.378	3.379	-0.001
	Max	3.403	3.412	0.005
	Average	3.365	3.370	-0.004
	Min	3.298	3.298	-0.043
	Std Dev	0.024	0.024	0.008

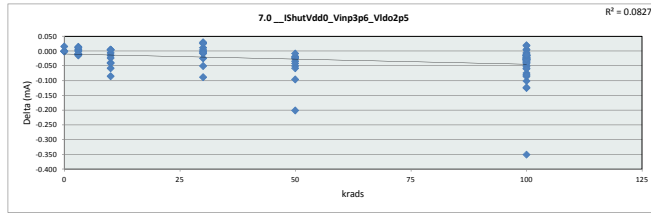


6.13_IDDshut_Vin2p375_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.298	3.330	3.334	3.348	3.362	3.332
Average	3.308	3.368	3.373	3.376	3.385	3.372
Max	3.315	3.393	3.400	3.391	3.412	3.401
UL	8.000	8.000	8.000	8.000	8.000	8.000

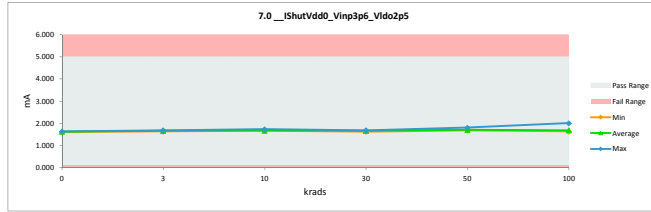


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7.0_IshutVdd0_Vinp3p6_Vldo2				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	
0	C35_Corr	1.622	1.622	0.000
3	A79_Biased	1.671	1.668	0.003
3	A80_Biased	1.651	1.665	-0.014
3	B1_Biased	1.687	1.682	0.005
3	B2_Biased	1.648	1.637	0.011
3	C1_Biased	1.638	1.647	-0.009
3	A82_Unbiased	1.661	1.661	0.000
3	A83_Unbiased	1.686	1.671	0.015
3	B4_Unbiased	1.651	1.638	0.013
3	B5_Unbiased	1.644	1.653	-0.009
3	C2_Unbiased	1.659	1.670	-0.011
10	A85_Biased	1.673	1.679	-0.006
10	A86_Biased	1.651	1.690	-0.039
10	B6_Biased	1.603	1.688	-0.085
10	C3_Biased	1.672	1.730	-0.058
10	C4_Biased	1.631	1.672	-0.041
10	A87_Unbiased	1.675	1.671	0.004
10	A88_Unbiased	1.644	1.659	0.005
10	B7_Unbiased	1.680	1.675	0.005
10	C5_Unbiased	1.646	1.661	-0.015
10	C6_Unbiased	1.657	1.680	-0.023
0	106_Corr	1.627	1.627	0.000
30	A89_Biased	1.668	1.656	0.012
30	B8_Biased	1.686	1.682	0.004
30	B9_Biased	1.668	1.676	-0.008
30	C7_Biased	1.649	1.673	-0.024
30	C9_Biased	1.666	1.667	-0.001
30	A90_Unbiased	1.686	1.656	0.030
30	B10_Unbiased	1.575	1.663	-0.088
30	B11_Unbiased	1.581	1.631	-0.050
30	C11_Unbiased	1.651	1.657	-0.006
30	C12_Unbiased	1.652	1.626	0.026
0	106_Corr	1.635	1.635	0.000
0	15B_Corr	1.625	1.625	0.000
50	A92_Biased	1.681	1.706	-0.025
50	A93_Biased	1.666	1.684	-0.018
50	B12_Biased	1.611	1.707	-0.096
50	B13_Biased	1.608	1.809	-0.201
50	C14_Biased	1.657	1.707	-0.050
50	A95_Unbiased	1.671	1.692	-0.021
50	A96_Unbiased	1.661	1.695	-0.034
50	B15_Unbiased	1.642	1.684	-0.042
50	B16_Unbiased	1.683	1.691	-0.008
50	C15_Unbiased	1.637	1.695	-0.058
0	106_Corr	1.627	1.611	0.016
100	A97_Biased	1.689	1.683	0.006
100	A99_Biased	1.635	1.677	-0.042
100	A100_Biased	1.656	1.681	-0.025
100	A101_Biased	1.675	1.671	0.004
100	A102_Biased	1.681	1.718	-0.037
100	A104_Biased	1.575	1.676	-0.101
100	A105_Biased	1.657	1.670	-0.013
100	B17_Biased	1.609	1.683	-0.074
100	B18_Biased	1.628	1.686	-0.058
100	B19_Biased	1.574	1.699	-0.125
100	B20_Biased	1.684	1.698	-0.014
100	B21_Biased	1.662	1.688	-0.026
100	B24_Biased	1.622	1.701	-0.079
100	B25_Biased	1.645	1.666	-0.021
100	B26_Biased	1.574	1.660	-0.086
100	C16_Biased	1.642	1.672	-0.030
100	C17_Biased	1.661	1.693	-0.032
100	C18_Biased	1.643	1.679	-0.036
100	C19_Biased	1.658	1.706	-0.048
100	C25_Biased	1.662	1.713	-0.051
100	C26_Biased	1.628	1.661	-0.033
100	C31_Biased	1.655	1.677	-0.022
100	A107_Unbiased	1.646	1.675	-0.029
100	A108_Unbiased	1.663	1.676	-0.013
100	A109_Unbiased	1.622	1.637	-0.015
100	A110_Unbiased	1.652	1.661	-0.009
100	A111_Unbiased	1.670	1.690	-0.020
100	A112_Unbiased	1.655	1.694	-0.039
100	A113_Unbiased	1.582	1.664	-0.082
100	B27_Unbiased	1.659	2.009	-0.350
100	B29_Unbiased	1.679	1.704	-0.025
100	B30_Unbiased	1.673	1.653	0.020
100	B31_Unbiased	1.598	1.658	-0.060
100	B32_Unbiased	1.663	1.645	0.018
100	B33_Unbiased	1.550	1.673	-0.123
100	B34_Unbiased	1.659	1.678	-0.019
100	B35_Unbiased	1.679	1.707	-0.028
100	C32_Unbiased	1.631	1.658	-0.027
100	C33_Unbiased	1.641	1.646	-0.005
100	C34_Unbiased	1.672	1.685	-0.013
100	C35_Unbiased	1.634	1.657	-0.023
100	C36_Unbiased	1.638	1.665	-0.027
100	C37_Unbiased	1.661	1.677	-0.016
100	C38_Unbiased	1.656	1.668	-0.012
	Max	1.689	2.009	0.030
	Average	1.647	1.678	-0.031
	Min	1.550	1.611	-0.350
	Std Dev	0.030	0.045	0.050

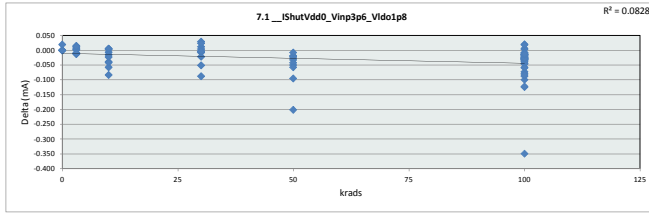


7.0_IshutVdd0_Vinp3p6_Vldo2						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.611	1.637	1.659	1.626	1.684	1.637
Average	1.624	1.659	1.681	1.659	1.707	1.685
Max	1.635	1.682	1.730	1.682	1.809	2.009
UL	5.000	5.000	5.000	5.000	5.000	5.000

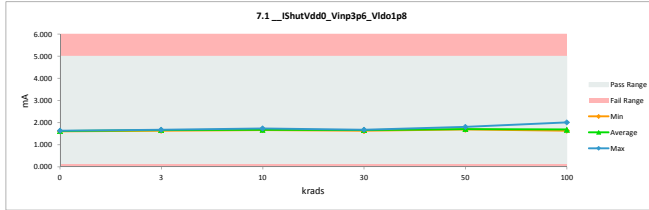


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7.1 IShutVdd0_Vinp3p6_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.621	1.621	0.000
3	A79_Biased	1.671	1.668	0.003
3	A80_Biased	1.651	1.644	-0.013
3	B1_Biased	1.686	1.681	0.005
3	B2_Biased	1.647	1.636	0.011
3	C1_Biased	1.636	1.646	-0.010
3	A82_Unbiased	1.660	1.659	0.001
3	A83_Unbiased	1.686	1.671	0.015
3	B4_Unbiased	1.650	1.637	0.013
3	B5_Unbiased	1.643	1.653	-0.010
3	C2_Unbiased	1.659	1.670	-0.011
10	A85_Biased	1.672	1.679	-0.007
10	A86_Biased	1.650	1.689	-0.039
10	B6_Biased	1.603	1.687	-0.084
10	C3_Biased	1.672	1.730	-0.058
10	C4_Biased	1.630	1.671	-0.041
10	A87_Unbiased	1.674	1.671	0.003
10	A88_Unbiased	1.644	1.659	0.005
10	B7_Unbiased	1.680	1.675	0.005
10	C5_Unbiased	1.646	1.661	-0.015
10	C6_Unbiased	1.657	1.680	-0.023
0	106_Corr	1.627	1.627	0.000
30	A89_Biased	1.667	1.655	0.012
30	B8_Biased	1.685	1.681	0.004
30	B9_Biased	1.667	1.675	-0.008
30	C7_Biased	1.650	1.672	-0.022
30	C9_Biased	1.665	1.668	-0.003
30	A90_Unbiased	1.685	1.656	0.029
30	B10_Unbiased	1.575	1.663	-0.088
30	B11_Unbiased	1.580	1.631	-0.051
30	C11_Unbiased	1.652	1.656	-0.004
30	C12_Unbiased	1.650	1.626	0.024
0	106_Corr	1.635	1.635	0.000
0	15B_Corr	1.624	1.624	0.000
50	A92_Biased	1.680	1.706	-0.026
50	A93_Biased	1.665	1.684	-0.019
50	B12_Biased	1.611	1.706	-0.095
50	B13_Biased	1.607	1.808	-0.201
50	C14_Biased	1.656	1.706	-0.050
50	A95_Unbiased	1.671	1.692	-0.021
50	A96_Unbiased	1.661	1.694	-0.033
50	B15_Unbiased	1.642	1.684	-0.042
50	B16_Unbiased	1.682	1.690	-0.008
50	C15_Unbiased	1.636	1.694	-0.058
0	106_Corr	1.627	1.627	0.000
100	A97_Biased	1.689	1.683	0.006
100	A99_Biased	1.634	1.678	-0.044
100	A100_Biased	1.656	1.681	-0.025
100	A101_Biased	1.674	1.671	0.003
100	A102_Biased	1.681	1.717	-0.036
100	A104_Biased	1.575	1.675	-0.100
100	A105_Biased	1.656	1.671	-0.015
100	B17_Biased	1.609	1.682	-0.073
100	B18_Biased	1.628	1.686	-0.058
100	B19_Biased	1.574	1.699	-0.125
100	B20_Biased	1.683	1.698	-0.015
100	B21_Biased	1.661	1.689	-0.028
100	B24_Biased	1.622	1.700	-0.078
100	B25_Biased	1.645	1.668	-0.023
100	B26_Biased	1.574	1.662	-0.088
100	C16_Biased	1.642	1.673	-0.031
100	C17_Biased	1.661	1.693	-0.032
100	C18_Biased	1.642	1.675	-0.033
100	C19_Biased	1.658	1.703	-0.045
100	C25_Biased	1.662	1.709	-0.047
100	C26_Biased	1.628	1.661	-0.033
100	C31_Biased	1.654	1.677	-0.023
100	A107_Unbiased	1.645	1.674	-0.029
100	A108_Unbiased	1.662	1.678	-0.016
100	A109_Unbiased	1.622	1.637	-0.015
100	A110_Unbiased	1.652	1.661	-0.009
100	A111_Unbiased	1.670	1.689	-0.019
100	A112_Unbiased	1.655	1.693	-0.038
100	A113_Unbiased	1.581	1.664	-0.083
100	B27_Unbiased	1.657	2.006	-0.349
100	B29_Unbiased	1.678	1.703	-0.025
100	B30_Unbiased	1.673	1.653	0.020
100	B31_Unbiased	1.598	1.658	-0.060
100	B32_Unbiased	1.663	1.645	0.018
100	B33_Unbiased	1.550	1.672	-0.122
100	B34_Unbiased	1.660	1.675	-0.015
100	B35_Unbiased	1.679	1.706	-0.027
100	C32_Unbiased	1.630	1.658	-0.028
100	C33_Unbiased	1.641	1.649	-0.008
100	C34_Unbiased	1.672	1.682	-0.010
100	C35_Unbiased	1.634	1.656	-0.022
100	C36_Unbiased	1.637	1.664	-0.027
100	C37_Unbiased	1.661	1.676	-0.015
100	C38_Unbiased	1.656	1.668	-0.012
	Max	1.689	2.006	0.029
	Average	1.647	1.677	-0.031
	Min	1.550	1.608	-0.349
	Std Dev	0.030	0.044	0.050

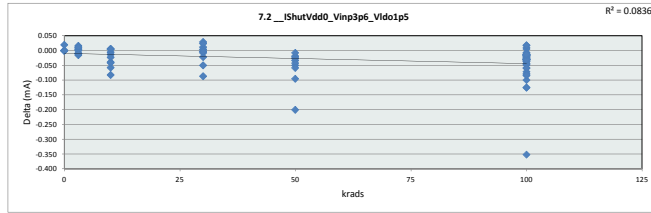


7.1 IShutVdd0_Vinp3p6_Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.608	1.636	1.659	1.626	1.684	1.637
Average	1.623	1.659	1.680	1.658	1.706	1.685
Max	1.635	1.681	1.730	1.681	1.808	2.006
UL	5.000	5.000	5.000	5.000	5.000	5.000

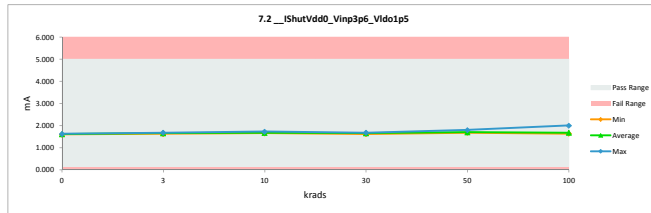


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7.2 IShutVdd0_Vinp3p6_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.621	1.621	0.000
3	A79_Biased	1.671	1.668	0.003
3	A80_Biased	1.650	1.645	-0.015
3	B1_Biased	1.686	1.681	0.005
3	B2_Biased	1.646	1.636	0.010
3	C1_Biased	1.636	1.646	-0.010
3	A82_Unbiased	1.660	1.660	0.000
3	A83_Unbiased	1.686	1.670	0.016
3	B4_Unbiased	1.650	1.638	0.012
3	B5_Unbiased	1.643	1.653	-0.010
3	C2_Unbiased	1.660	1.670	-0.010
10	A85_Biased	1.672	1.678	-0.006
10	A86_Biased	1.680	1.689	-0.039
10	B6_Biased	1.604	1.686	-0.082
10	C3_Biased	1.671	1.729	-0.058
10	C4_Biased	1.630	1.671	-0.041
10	A87_Unbiased	1.675	1.670	0.005
10	A88_Unbiased	1.644	1.659	0.005
10	B7_Unbiased	1.679	1.674	0.005
10	C5_Unbiased	1.647	1.660	-0.013
10	C6_Unbiased	1.657	1.680	-0.023
0	106_Corr	1.627	1.627	0.000
30	A89_Biased	1.667	1.655	0.012
30	B8_Biased	1.685	1.681	0.004
30	B9_Biased	1.667	1.675	-0.008
30	C7_Biased	1.650	1.672	-0.022
30	C9_Biased	1.665	1.667	-0.002
30	A90_Unbiased	1.685	1.656	0.029
30	B10_Unbiased	1.575	1.662	-0.087
30	B11_Unbiased	1.581	1.631	-0.050
30	C11_Unbiased	1.651	1.655	-0.004
30	C12_Unbiased	1.651	1.627	0.024
0	106_Corr	1.634	1.634	0.000
0	15B_Corr	1.624	1.624	0.000
50	A92_Biased	1.679	1.706	-0.027
50	A93_Biased	1.645	1.684	-0.019
50	B12_Biased	1.611	1.706	-0.095
50	B13_Biased	1.608	1.808	-0.200
50	C14_Biased	1.656	1.706	-0.050
50	A95_Unbiased	1.670	1.692	-0.022
50	A96_Unbiased	1.660	1.694	-0.034
50	B15_Unbiased	1.642	1.684	-0.042
50	B16_Unbiased	1.682	1.690	-0.008
50	C15_Unbiased	1.635	1.694	-0.059
0	106_Corr	1.627	1.627	0.000
100	A97_Biased	1.690	1.681	0.009
100	A99_Biased	1.634	1.678	-0.044
100	A100_Biased	1.655	1.680	-0.025
100	A101_Biased	1.675	1.670	0.005
100	A102_Biased	1.680	1.717	-0.037
100	A104_Biased	1.575	1.675	-0.100
100	A105_Biased	1.656	1.669	-0.013
100	B17_Biased	1.609	1.681	-0.072
100	B18_Biased	1.628	1.687	-0.059
100	B19_Biased	1.574	1.699	-0.125
100	B20_Biased	1.683	1.699	-0.016
100	B21_Biased	1.662	1.691	-0.029
100	B24_Biased	1.622	1.700	-0.078
100	B25_Biased	1.645	1.666	-0.021
100	B26_Biased	1.574	1.659	-0.085
100	C16_Biased	1.642	1.673	-0.031
100	C17_Biased	1.661	1.691	-0.030
100	C18_Biased	1.642	1.678	-0.036
100	C19_Biased	1.657	1.706	-0.049
100	C25_Biased	1.662	1.708	-0.046
100	C26_Biased	1.628	1.660	-0.032
100	C31_Biased	1.654	1.677	-0.023
100	A107_Unbiased	1.645	1.674	-0.029
100	A108_Unbiased	1.663	1.676	-0.013
100	A109_Unbiased	1.622	1.639	-0.017
100	A110_Unbiased	1.652	1.661	-0.009
100	A111_Unbiased	1.669	1.686	-0.017
100	A112_Unbiased	1.656	1.690	-0.034
100	A113_Unbiased	1.582	1.664	-0.082
100	B27_Unbiased	1.658	2.009	-0.351
100	B29_Unbiased	1.678	1.704	-0.026
100	B30_Unbiased	1.673	1.656	0.017
100	B31_Unbiased	1.599	1.659	-0.060
100	B32_Unbiased	1.663	1.645	0.018
100	B33_Unbiased	1.549	1.675	-0.126
100	B34_Unbiased	1.659	1.676	-0.017
100	B35_Unbiased	1.678	1.707	-0.029
100	C32_Unbiased	1.630	1.658	-0.028
100	C33_Unbiased	1.641	1.648	-0.007
100	C34_Unbiased	1.671	1.684	-0.013
100	C35_Unbiased	1.634	1.654	-0.020
100	C36_Unbiased	1.636	1.667	-0.031
100	C37_Unbiased	1.661	1.675	-0.014
100	C38_Unbiased	1.655	1.668	-0.013
	Max	1.690	2.009	0.029
	Average	1.646	1.677	-0.031
	Min	1.549	1.608	-0.351
	Std Dev	0.030	0.045	0.050

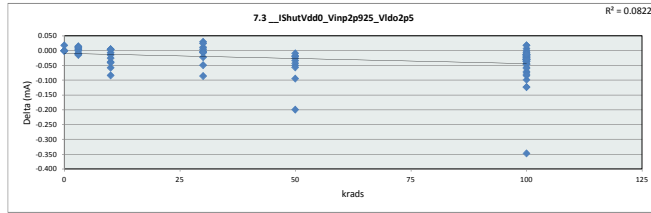


7.2 IShutVdd0_Vinp3p6_Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.608	1.636	1.659	1.627	1.684	1.639
Average	1.623	1.659	1.680	1.658	1.706	1.685
Max	1.634	1.681	1.729	1.681	1.808	2.009
UL	5.000	5.000	5.000	5.000	5.000	5.000

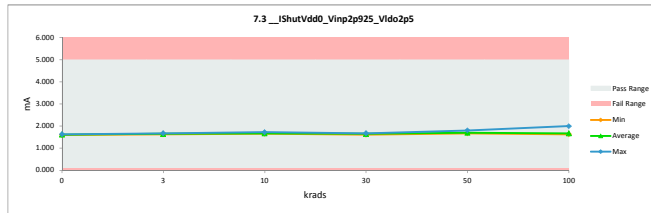


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7.3 _IShutVdd0_Vinp2p925_Vlc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	
0	C35_Corr	1.613	1.613	0.000
3	A79_Biased	1.664	1.661	0.003
3	A80_Biased	1.643	1.657	-0.014
3	B1_Biased	1.679	1.673	0.006
3	B2_Biased	1.639	1.628	0.011
3	C1_Biased	1.629	1.638	-0.009
3	A82_Unbiased	1.653	1.653	0.000
3	A83_Unbiased	1.679	1.664	0.015
3	B4_Unbiased	1.643	1.630	0.013
3	B5_Unbiased	1.636	1.646	-0.010
3	C2_Unbiased	1.652	1.663	-0.011
10	A85_Biased	1.665	1.672	-0.007
10	A86_Biased	1.643	1.681	-0.038
10	B6_Biased	1.597	1.680	-0.083
10	C3_Biased	1.664	1.722	-0.058
10	C4_Biased	1.624	1.664	-0.040
10	A87_Unbiased	1.668	1.664	0.004
10	A88_Unbiased	1.657	1.653	0.004
10	B7_Unbiased	1.672	1.667	0.005
10	C5_Unbiased	1.639	1.653	-0.014
10	C6_Unbiased	1.649	1.674	-0.025
0	106_Corr	1.620	1.620	0.000
30	A89_Biased	1.660	1.648	0.012
30	B8_Biased	1.678	1.673	0.005
30	B9_Biased	1.660	1.667	-0.007
30	C7_Biased	1.643	1.665	-0.022
30	C9_Biased	1.658	1.660	-0.002
30	A90_Unbiased	1.678	1.648	0.030
30	B10_Unbiased	1.568	1.654	-0.086
30	B11_Unbiased	1.574	1.623	-0.049
30	C11_Unbiased	1.644	1.649	-0.005
30	C12_Unbiased	1.644	1.619	0.025
0	106_Corr	1.627	1.627	0.000
0	15B_Corr	1.617	1.617	0.000
50	A92_Biased	1.673	1.699	-0.026
50	A93_Biased	1.658	1.676	-0.018
50	B12_Biased	1.604	1.698	-0.094
50	B13_Biased	1.601	1.800	-0.199
50	C14_Biased	1.649	1.699	-0.050
50	A95_Unbiased	1.665	1.685	-0.020
50	A96_Unbiased	1.653	1.687	-0.034
50	B15_Unbiased	1.635	1.677	-0.042
50	B16_Unbiased	1.675	1.684	-0.009
50	C15_Unbiased	1.629	1.686	-0.057
0	106_Corr	1.620	1.620	0.000
100	A97_Biased	1.682	1.675	0.007
100	A99_Biased	1.628	1.671	-0.043
100	A100_Biased	1.648	1.673	-0.025
100	A101_Biased	1.667	1.666	0.001
100	A102_Biased	1.674	1.710	-0.036
100	A104_Biased	1.569	1.668	-0.099
100	A105_Biased	1.650	1.663	-0.013
100	B17_Biased	1.602	1.672	-0.070
100	B18_Biased	1.622	1.678	-0.056
100	B19_Biased	1.568	1.692	-0.124
100	B20_Biased	1.676	1.689	-0.013
100	B21_Biased	1.655	1.684	-0.029
100	B24_Biased	1.616	1.691	-0.075
100	B25_Biased	1.639	1.661	-0.022
100	B26_Biased	1.567	1.652	-0.085
100	C16_Biased	1.635	1.664	-0.029
100	C17_Biased	1.654	1.685	-0.031
100	C18_Biased	1.634	1.670	-0.036
100	C19_Biased	1.650	1.696	-0.046
100	C25_Biased	1.655	1.701	-0.046
100	C26_Biased	1.620	1.654	-0.034
100	C31_Biased	1.647	1.670	-0.023
100	A107_Unbiased	1.638	1.667	-0.029
100	A108_Unbiased	1.655	1.668	-0.013
100	A109_Unbiased	1.615	1.632	-0.017
100	A110_Unbiased	1.645	1.651	-0.006
100	A111_Unbiased	1.652	1.680	-0.028
100	A112_Unbiased	1.648	1.685	-0.037
100	A113_Unbiased	1.575	1.656	-0.081
100	B27_Unbiased	1.650	1.997	-0.347
100	B29_Unbiased	1.671	1.695	-0.024
100	B30_Unbiased	1.665	1.647	0.018
100	B31_Unbiased	1.592	1.652	-0.060
100	B32_Unbiased	1.656	1.638	0.018
100	B33_Unbiased	1.543	1.665	-0.122
100	B34_Unbiased	1.652	1.671	-0.019
100	B35_Unbiased	1.671	1.699	-0.028
100	C32_Unbiased	1.624	1.652	-0.028
100	C33_Unbiased	1.634	1.639	-0.005
100	C34_Unbiased	1.664	1.676	-0.012
100	C35_Unbiased	1.627	1.647	-0.020
100	C36_Unbiased	1.630	1.658	-0.028
100	C37_Unbiased	1.654	1.668	-0.014
100	C38_Unbiased	1.648	1.659	-0.011
	Max	1.682	1.997	0.030
	Average	1.640	1.670	-0.030
	Min	1.543	1.602	-0.347
	Std Dev	0.030	0.044	0.050

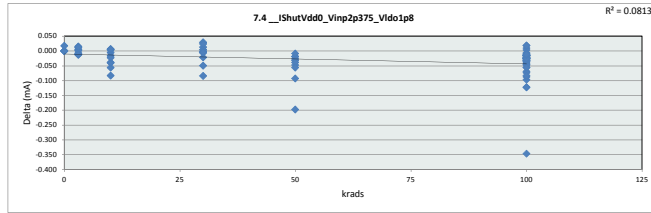


7.3 _IShutVdd0_Vinp2p925_Vlc					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	5	mA			
Min Limit	0.1	mA			
krads	0	3	10	30	50
LL	0.100	0.100	0.100	0.100	0.100
Min	1.602	1.628	1.653	1.619	1.676
Average	1.616	1.651	1.673	1.651	1.699
Max	1.627	1.673	1.722	1.673	1.800
UL	5.000	5.000	5.000	5.000	5.000

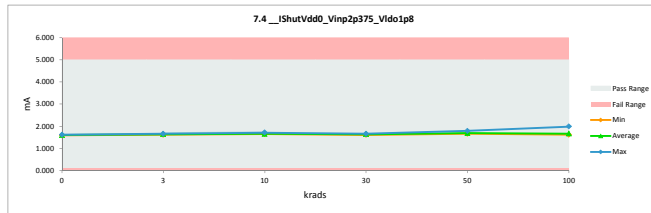


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7.4 _IShutVdd0_Vinp2p375_Vlc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	
Delta				
0	C35_Corr	1.603	1.603	0.000
3	A79_Biased	1.653	1.650	0.003
3	A80_Biased	1.634	1.647	-0.013
3	B1_Biased	1.668	1.663	0.005
3	B2_Biased	1.630	1.618	0.012
3	C1_Biased	1.620	1.628	-0.008
3	A82_Unbiased	1.643	1.642	0.001
3	A83_Unbiased	1.668	1.653	0.015
3	B4_Unbiased	1.633	1.620	0.013
3	B5_Unbiased	1.625	1.635	-0.010
3	C2_Unbiased	1.641	1.653	-0.012
10	A85_Biased	1.655	1.661	-0.006
10	A86_Biased	1.633	1.672	-0.039
10	B6_Biased	1.587	1.670	-0.083
10	C3_Biased	1.653	1.710	-0.057
10	C4_Biased	1.613	1.653	-0.040
10	A87_Unbiased	1.657	1.653	0.004
10	A88_Unbiased	1.646	1.642	0.004
10	B7_Unbiased	1.662	1.656	0.006
10	C5_Unbiased	1.628	1.644	-0.016
10	C6_Unbiased	1.640	1.663	-0.023
0	106_Corr	1.610	1.610	0.000
30	A89_Biased	1.651	1.638	0.013
30	B8_Biased	1.667	1.663	0.004
30	B9_Biased	1.650	1.657	-0.007
30	C7_Biased	1.632	1.654	-0.022
30	C9_Biased	1.648	1.649	-0.001
30	A90_Unbiased	1.668	1.639	0.029
30	B10_Unbiased	1.559	1.644	-0.085
30	B11_Unbiased	1.564	1.614	-0.050
30	C11_Unbiased	1.634	1.639	-0.005
30	C12_Unbiased	1.633	1.610	0.023
0	106_Corr	1.617	1.617	0.000
0	15B_Corr	1.607	1.607	0.000
50	A92_Biased	1.661	1.688	-0.027
50	A93_Biased	1.648	1.667	-0.019
50	B12_Biased	1.594	1.687	-0.093
50	B13_Biased	1.591	1.789	-0.198
50	C14_Biased	1.639	1.687	-0.048
50	A95_Unbiased	1.654	1.674	-0.020
50	A96_Unbiased	1.643	1.676	-0.033
50	B15_Unbiased	1.626	1.665	-0.039
50	B16_Unbiased	1.664	1.673	-0.009
50	C15_Unbiased	1.619	1.625	-0.006
0	106_Corr	1.610	1.610	0.000
100	A97_Biased	1.673	1.663	0.010
100	A99_Biased	1.617	1.658	-0.041
100	A100_Biased	1.639	1.665	-0.026
100	A101_Biased	1.657	1.654	0.003
100	A102_Biased	1.663	1.700	-0.037
100	A104_Biased	1.559	1.656	-0.097
100	A105_Biased	1.639	1.655	-0.016
100	B17_Biased	1.593	1.662	-0.069
100	B18_Biased	1.612	1.667	-0.055
100	B19_Biased	1.558	1.682	-0.124
100	B20_Biased	1.665	1.681	-0.016
100	B21_Biased	1.645	1.670	-0.025
100	B24_Biased	1.606	1.680	-0.074
100	B25_Biased	1.628	1.649	-0.021
100	B26_Biased	1.557	1.645	-0.088
100	C16_Biased	1.625	1.657	-0.032
100	C17_Biased	1.644	1.673	-0.029
100	C18_Biased	1.625	1.657	-0.032
100	C19_Biased	1.640	1.686	-0.046
100	C25_Biased	1.644	1.692	-0.048
100	C26_Biased	1.610	1.643	-0.033
100	C31_Biased	1.637	1.660	-0.023
100	A107_Unbiased	1.628	1.654	-0.026
100	A108_Unbiased	1.645	1.661	-0.016
100	A109_Unbiased	1.605	1.621	-0.016
100	A110_Unbiased	1.635	1.644	-0.009
100	A111_Unbiased	1.653	1.670	-0.017
100	A112_Unbiased	1.639	1.674	-0.035
100	A113_Unbiased	1.566	1.649	-0.083
100	B27_Unbiased	1.640	1.987	-0.347
100	B29_Unbiased	1.661	1.683	-0.022
100	B30_Unbiased	1.656	1.637	0.018
100	B31_Unbiased	1.583	1.640	-0.057
100	B32_Unbiased	1.645	1.627	0.018
100	B33_Unbiased	1.533	1.655	-0.122
100	B34_Unbiased	1.643	1.660	-0.017
100	B35_Unbiased	1.640	1.686	-0.026
100	C32_Unbiased	1.614	1.640	-0.026
100	C33_Unbiased	1.624	1.631	-0.007
100	C34_Unbiased	1.654	1.667	-0.013
100	C35_Unbiased	1.617	1.639	-0.022
100	C36_Unbiased	1.621	1.647	-0.026
100	C37_Unbiased	1.644	1.658	-0.014
100	C38_Unbiased	1.638	1.650	-0.012
	Max	1.673	1.987	0.029
	Average	1.629	1.659	-0.030
	Min	1.533	1.593	-0.347
	Std Dev	0.030	0.044	0.050

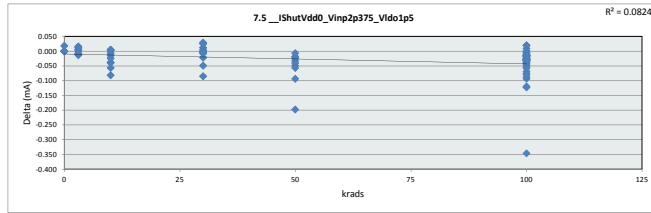


7.4 _IShutVdd0_Vinp2p375_Vlc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	5	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.593	1.618	1.642	1.610	1.665	1.621
Average	1.606	1.641	1.662	1.641	1.688	1.667
Max	1.617	1.663	1.710	1.663	1.789	1.987
UL	5.000	5.000	5.000	5.000	5.000	5.000

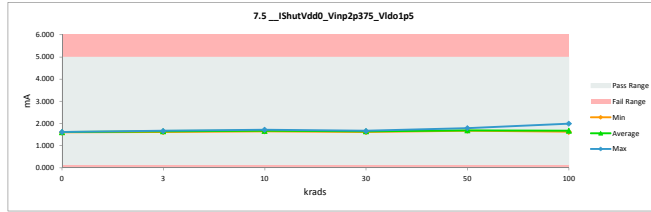


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7.5 _IShutVdd0_Vinp2p375_Vlc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	5	5		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.604	1.604	0.000
3	A79_Biased	1.654	1.651	0.003
3	A80_Biased	1.635	1.648	-0.013
3	B1_Biased	1.669	1.663	0.006
3	B2_Biased	1.630	1.618	0.012
3	C1_Biased	1.620	1.629	-0.009
3	A82_Unbiased	1.644	1.643	0.001
3	A83_Unbiased	1.669	1.653	0.016
3	B4_Unbiased	1.634	1.620	0.014
3	B5_Unbiased	1.627	1.636	-0.009
3	C2_Unbiased	1.643	1.652	-0.009
10	A85_Biased	1.655	1.662	-0.007
10	A86_Biased	1.634	1.672	-0.038
10	B6_Biased	1.588	1.670	-0.082
10	C3_Biased	1.655	1.712	-0.057
10	C4_Biased	1.615	1.654	-0.039
10	A87_Unbiased	1.658	1.655	0.003
10	A88_Unbiased	1.647	1.643	0.004
10	B7_Unbiased	1.662	1.657	0.005
10	C5_Unbiased	1.630	1.644	-0.014
10	C6_Unbiased	1.640	1.664	-0.024
0	106_Corr	1.629	1.629	0.000
30	A89_Biased	1.651	1.639	0.012
30	B8_Biased	1.668	1.664	0.004
30	B9_Biased	1.650	1.658	-0.008
30	C7_Biased	1.633	1.655	-0.022
30	C9_Biased	1.649	1.649	0.000
30	A90_Unbiased	1.669	1.640	0.029
30	B10_Unbiased	1.560	1.645	-0.085
30	B11_Unbiased	1.565	1.614	-0.049
30	C11_Unbiased	1.635	1.640	-0.005
30	C12_Unbiased	1.635	1.610	0.025
0	106_Corr	1.618	1.618	0.000
0	15B_Corr	1.608	1.608	0.000
50	A92_Biased	1.664	1.688	-0.024
50	A93_Biased	1.648	1.667	-0.019
50	B12_Biased	1.594	1.688	-0.094
50	B13_Biased	1.592	1.790	-0.198
50	C14_Biased	1.640	1.689	-0.049
50	A95_Unbiased	1.655	1.674	-0.019
50	A96_Unbiased	1.644	1.677	-0.033
50	B15_Unbiased	1.627	1.667	-0.040
50	B16_Unbiased	1.666	1.673	-0.007
50	C15_Unbiased	1.619	1.676	-0.057
0	106_Corr	1.629	1.629	0.000
100	A97_Biased	1.673	1.664	0.009
100	A99_Biased	1.618	1.659	-0.041
100	A100_Biased	1.639	1.666	-0.027
100	A101_Biased	1.658	1.656	0.002
100	A102_Biased	1.645	1.703	-0.038
100	A104_Biased	1.561	1.655	-0.094
100	A105_Biased	1.641	1.656	-0.015
100	B17_Biased	1.593	1.662	-0.069
100	B18_Biased	1.613	1.666	-0.055
100	B19_Biased	1.559	1.679	-0.120
100	B20_Biased	1.665	1.678	-0.013
100	B21_Biased	1.645	1.672	-0.027
100	B24_Biased	1.608	1.683	-0.075
100	B25_Biased	1.629	1.650	-0.021
100	B26_Biased	1.558	1.645	-0.087
100	C16_Biased	1.626	1.658	-0.032
100	C17_Biased	1.644	1.676	-0.032
100	C18_Biased	1.625	1.656	-0.033
100	C19_Biased	1.640	1.688	-0.048
100	C25_Biased	1.645	1.692	-0.047
100	C26_Biased	1.611	1.642	-0.031
100	C31_Biased	1.638	1.663	-0.025
100	C31_Unbiased	1.630	1.657	-0.027
100	A107_Unbiased	1.630	1.657	-0.027
100	A108_Unbiased	1.646	1.659	-0.013
100	A109_Unbiased	1.606	1.622	-0.016
100	A110_Unbiased	1.636	1.643	-0.007
100	A111_Unbiased	1.653	1.671	-0.018
100	A112_Unbiased	1.640	1.674	-0.034
100	A113_Unbiased	1.568	1.647	-0.079
100	B27_Unbiased	1.641	1.987	-0.346
100	B29_Unbiased	1.661	1.685	-0.024
100	B30_Unbiased	1.657	1.637	0.020
100	B31_Unbiased	1.583	1.641	-0.058
100	B32_Unbiased	1.646	1.627	0.019
100	B33_Unbiased	1.534	1.657	-0.123
100	B34_Unbiased	1.643	1.661	-0.018
100	B35_Unbiased	1.661	1.688	-0.027
100	C32_Unbiased	1.614	1.642	-0.028
100	C33_Unbiased	1.625	1.630	-0.005
100	C34_Unbiased	1.695	1.688	-0.013
100	C35_Unbiased	1.618	1.637	-0.019
100	C36_Unbiased	1.621	1.648	-0.027
100	C37_Unbiased	1.644	1.659	-0.015
100	C38_Unbiased	1.639	1.651	-0.012
	Max	1.673	1.987	0.029
	Average	1.630	1.640	-0.030
	Min	1.534	1.591	-0.346
	Std Dev	0.030	0.044	0.050

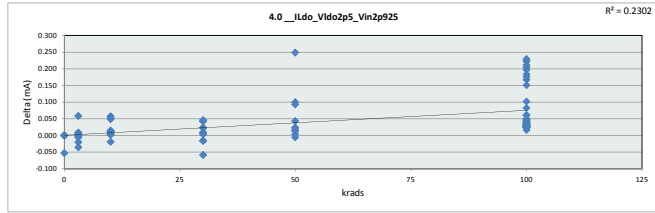


7.5 _IShutVdd0_Vinp2p375_Vlc					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	5	mA			
Min Limit	0.1	mA			
Krads	0	3	10	30	100
LL	0.100	0.100	0.100	0.100	0.100
Min	1.591	1.618	1.643	1.610	1.667
Average	1.606	1.641	1.663	1.641	1.689
Max	1.618	1.663	1.712	1.664	1.790
UL	5.000	5.000	5.000	5.000	5.000

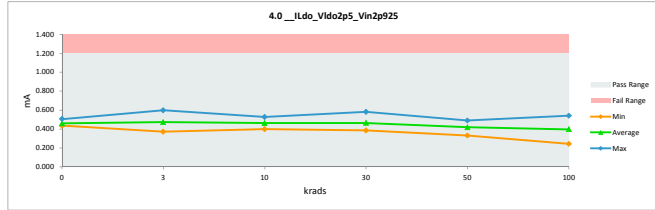


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4.0_ILdo_Vldo2p5_Vin2p925				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	
Delta				
0	C35_Corr	0.437	0.437	0.000
3	A79_Biased	0.528	0.548	-0.020
3	A80_Unbiased	0.390	0.390	0.000
3	B1_Biased	0.438	0.444	-0.006
3	B2_Biased	0.532	0.474	0.058
3	C1_Biased	0.378	0.371	0.007
3	A82_Unbiased	0.494	0.494	0.000
3	A83_Unbiased	0.483	0.475	0.008
3	B4_Unbiased	0.561	0.597	-0.036
3	B5_Unbiased	0.505	0.507	-0.002
3	C2_Unbiased	0.443	0.441	0.002
10	A85_Biased	0.403	0.399	0.004
10	A86_Biased	0.520	0.463	0.057
10	B6_Biased	0.566	0.517	0.049
10	C3_Biased	0.440	0.426	0.014
10	C4_Biased	0.416	0.435	-0.019
10	A87_Unbiased	0.531	0.527	0.004
10	A88_Unbiased	0.549	0.497	0.052
10	B7_Unbiased	0.454	0.452	0.002
10	C5_Unbiased	0.503	0.490	0.013
10	C6_Unbiased	0.435	0.425	0.010
0	106_Corr	0.452	0.452	0.000
30	A89_Biased	0.442	0.400	0.042
30	B8_Biased	0.504	0.520	-0.016
30	B9_Biased	0.519	0.473	0.046
30	C7_Biased	0.523	0.582	-0.059
30	C9_Biased	0.443	0.438	0.005
30	A90_Unbiased	0.388	0.384	0.004
30	B10_Unbiased	0.448	0.425	0.023
30	B11_Unbiased	0.512	0.489	0.023
30	C11_Unbiased	0.439	0.431	0.008
30	C12_Unbiased	0.487	0.504	-0.017
0	106_Corr	0.469	0.469	0.000
0	15B_Corr	0.440	0.440	0.000
50	A92_Biased	0.504	0.481	0.023
50	A93_Biased	0.572	0.479	0.093
50	B12_Biased	0.532	0.489	0.043
50	B13_Biased	0.612	0.363	0.249
50	C14_Biased	0.424	0.401	0.023
50	A95_Unbiased	0.377	0.364	0.013
50	A96_Unbiased	0.474	0.480	-0.006
50	B15_Unbiased	0.431	0.331	0.100
50	B16_Unbiased	0.415	0.411	0.004
50	C15_Unbiased	0.412	0.396	0.016
0	106_Corr	0.452	0.452	0.000
100	A97_Biased	0.371	0.345	0.026
100	A99_Biased	0.539	0.342	0.197
100	A100_Biased	0.424	0.390	0.034
100	A101_Biased	0.461	0.294	0.167
100	A102_Biased	0.470	0.287	0.183
100	A104_Biased	0.603	0.521	0.082
100	A105_Biased	0.418	0.388	0.030
100	B17_Biased	0.553	0.349	0.204
100	B18_Biased	0.598	0.447	0.151
100	B19_Biased	0.419	0.371	0.048
100	B20_Biased	0.515	0.339	0.176
100	B21_Biased	0.475	0.439	0.036
100	B24_Biased	0.561	0.511	0.050
100	B25_Biased	0.520	0.497	0.023
100	B26_Biased	0.563	0.503	0.060
100	C16_Biased	0.410	0.376	0.034
100	C17_Biased	0.433	0.391	0.042
100	C18_Biased	0.444	0.408	0.036
100	C19_Biased	0.430	0.384	0.046
100	C25_Biased	0.495	0.449	0.046
100	C26_Biased	0.387	0.354	0.033
100	C31_Biased	0.450	0.414	0.036
100	A107_Unbiased	0.529	0.490	0.039
100	A108_Unbiased	0.383	0.354	0.029
100	A109_Unbiased	0.467	0.244	0.223
100	A110_Unbiased	0.421	0.397	0.024
100	A111_Unbiased	0.490	0.454	0.036
100	A112_Unbiased	0.400	0.371	0.029
100	A113_Unbiased	0.582	0.540	0.042
100	B27_Unbiased	0.453	0.392	0.061
100	B29_Unbiased	0.489	0.264	0.225
100	B30_Unbiased	0.473	0.446	0.027
100	B31_Unbiased	0.512	0.283	0.229
100	B32_Unbiased	0.487	0.464	0.023
100	B33_Unbiased	0.590	0.488	0.102
100	B34_Unbiased	0.360	0.346	0.016
100	B35_Unbiased	0.447	0.415	0.032
100	C32_Unbiased	0.422	0.395	0.027
100	C33_Unbiased	0.496	0.285	0.211
100	C34_Unbiased	0.447	0.414	0.033
100	C35_Unbiased	0.471	0.444	0.027
100	C36_Unbiased	0.406	0.382	0.024
100	C37_Unbiased	0.400	0.372	0.028
100	C38_Unbiased	0.463	0.426	0.037
	Max	0.612	0.597	0.015
	Average	0.472	0.427	0.045
	Min	0.360	0.244	-0.059
	Std Dev	0.060	0.071	0.066

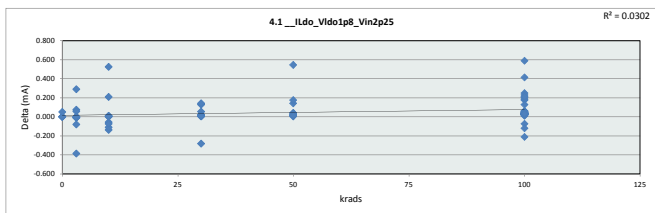


4.0_ILdo_Vldo2p5_Vin2p925						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.437	0.371	0.399	0.384	0.331	0.244
Average	0.461	0.474	0.463	0.464	0.420	0.397
Max	0.505	0.597	0.527	0.582	0.489	0.540
UL	1.200	1.200	1.200	1.200	1.200	1.200

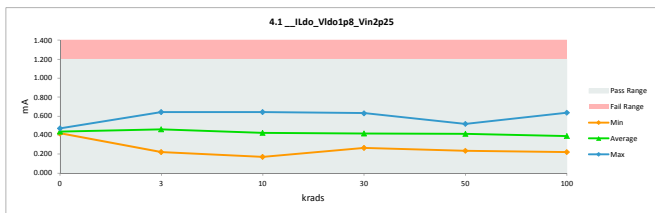


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4.1 Ldo_Vldo1p8_Vin2p25				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.420	0.420	0.000
3	A79_Biased	0.517	0.525	-0.008
3	A80_Biased	0.374	0.373	0.001
3	B1_Biased	0.420	0.345	0.075
3	B2_Biased	0.512	0.592	-0.080
3	C1_Biased	0.511	0.222	0.289
3	A82_Unbiased	0.464	0.473	-0.009
3	A83_Unbiased	0.259	0.644	-0.385
3	B4_Unbiased	0.575	0.518	0.057
3	B5_Unbiased	0.485	0.486	-0.001
3	C2_Unbiased	0.423	0.423	0.000
10	A85_Biased	0.386	0.381	0.005
10	A86_Biased	0.698	0.171	0.527
10	B6_Biased	0.519	0.574	-0.055
10	C3_Biased	0.422	0.409	0.013
10	C4_Biased	0.282	0.417	-0.135
10	A87_Unbiased	0.519	0.310	0.209
10	A88_Unbiased	0.535	0.644	-0.109
10	B7_Unbiased	0.436	0.436	0.000
10	C5_Unbiased	0.417	0.489	-0.072
10	C6_Unbiased	0.415	0.407	0.008
0	106_Corr	0.470	0.470	0.000
30	A89_Biased	0.426	0.418	0.008
30	B8_Biased	0.396	0.266	0.130
30	B9_Biased	0.350	0.631	-0.281
30	C7_Biased	0.477	0.423	0.054
30	C9_Biased	0.425	0.416	0.009
30	A90_Unbiased	0.372	0.367	0.005
30	B10_Unbiased	0.427	0.406	0.021
30	B11_Unbiased	0.488	0.468	0.020
30	C11_Unbiased	0.421	0.412	0.009
30	C12_Unbiased	0.514	0.370	0.144
0	106_Corr	0.450	0.450	0.000
0	15B_Corr	0.423	0.423	0.000
50	A92_Biased	0.482	0.460	0.022
50	A93_Biased	0.207	0.557	-0.350
50	B12_Biased	0.509	0.468	0.041
50	B13_Biased	0.624	0.482	0.142
50	C14_Biased	0.406	0.384	0.022
50	A95_Unbiased	0.361	0.349	0.012
50	A96_Unbiased	1.007	0.462	0.545
50	B15_Unbiased	0.413	0.236	0.177
50	B16_Unbiased	0.398	0.394	0.004
50	C15_Unbiased	0.394	0.380	0.014
0	106_Corr	0.470	0.470	0.000
100	A97_Biased	0.355	0.328	0.027
100	A99_Biased	0.602	0.353	0.249
100	A100_Biased	0.405	0.373	0.032
100	A101_Biased	0.207	0.281	-0.074
100	A102_Biased	0.452	0.275	0.177
100	A104_Biased	0.556	0.498	0.058
100	A105_Biased	0.403	0.373	0.030
100	B17_Biased	0.512	0.450	0.062
100	B18_Biased	0.470	0.219	0.251
100	B19_Biased	0.401	0.355	0.046
100	B20_Biased	0.621	0.610	0.011
100	B21_Biased	0.454	0.419	0.035
100	B24_Biased	0.539	0.491	0.048
100	B25_Biased	0.423	0.221	0.202
100	B26_Biased	0.539	0.482	0.057
100	C16_Biased	0.394	0.361	0.033
100	C17_Biased	0.415	0.374	0.041
100	C18_Biased	0.427	0.391	0.036
100	C19_Biased	0.411	0.368	0.043
100	C25_Biased	0.475	0.429	0.046
100	C26_Biased	0.372	0.339	0.033
100	C31_Biased	0.430	0.394	0.036
100	A107_Unbiased	0.508	0.469	0.039
100	A108_Unbiased	0.367	0.339	0.028
100	A109_Unbiased	0.635	0.221	0.414
100	A110_Unbiased	0.403	0.379	0.024
100	A111_Unbiased	0.470	0.436	0.034
100	A112_Unbiased	0.385	0.358	0.027
100	A113_Unbiased	0.534	0.347	0.187
100	B27_Unbiased	0.589	0.377	0.212
100	B29_Unbiased	0.311	0.432	-0.121
100	B30_Unbiased	0.453	0.426	0.027
100	B31_Unbiased	0.494	0.365	0.129
100	B32_Unbiased	0.467	0.444	0.023
100	B33_Unbiased	1.056	0.467	0.589
100	B34_Unbiased	0.345	0.328	0.017
100	B35_Unbiased	0.428	0.398	0.030
100	C32_Unbiased	0.405	0.379	0.026
100	C33_Unbiased	0.428	0.637	-0.209
100	C34_Unbiased	0.429	0.397	0.032
100	C35_Unbiased	0.450	0.423	0.027
100	C36_Unbiased	0.391	0.366	0.025
100	C37_Unbiased	0.384	0.357	0.027
100	C38_Unbiased	0.445	0.409	0.036
	Max	1.056	0.644	0.589
	Average	0.462	0.410	0.052
	Min	0.207	0.171	-0.385
	Std Dev	0.119	0.094	0.141

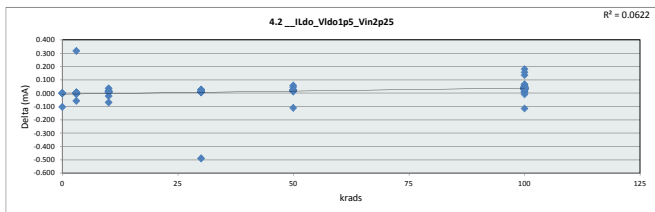


4.1 Ldo_Vldo1p8_Vin2p25						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	LL	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.419	0.222	0.171	0.266	0.236	0.221
Average	0.436	0.460	0.424	0.418	0.413	0.390
Max	0.470	0.644	0.644	0.631	0.517	0.637
UL	1.200	1.200	1.200	1.200	1.200	1.200

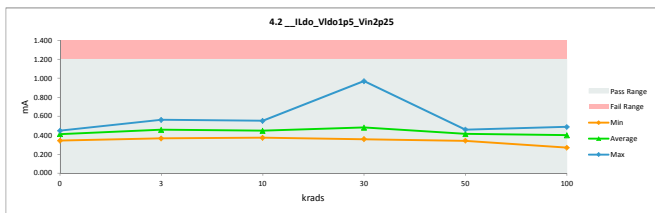


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4.2 Ldo_Vldo1p5_Vin2p25				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.414	0.414	0.000
3	A79_Biased	0.509	0.515	-0.006
3	A80_Biased	0.372	0.367	0.005
3	B1_Biased	0.419	0.418	0.001
3	B2_Biased	0.509	0.510	-0.001
3	C1_Biased	0.412	0.409	0.003
3	A82_Unbiased	0.457	0.453	0.004
3	A83_Unbiased	0.778	0.461	0.317
3	B4_Unbiased	0.504	0.562	-0.058
3	B5_Unbiased	0.483	0.478	0.005
3	C2_Unbiased	0.421	0.416	0.005
10	A85_Biased	0.385	0.375	0.010
10	A86_Biased	0.443	0.465	-0.022
10	B6_Biased	0.530	0.494	0.036
10	C3_Biased	0.420	0.402	0.018
10	C4_Biased	0.427	0.411	0.016
10	A87_Unbiased	0.506	0.496	0.010
10	A88_Unbiased	0.483	0.552	-0.069
10	B7_Unbiased	0.435	0.428	0.007
10	C5_Unbiased	0.462	0.456	0.006
10	C6_Unbiased	0.413	0.399	0.014
0	106_Corr	0.344	0.344	0.000
30	A89_Biased	0.424	0.416	0.008
30	B8_Biased	0.489	0.481	0.008
30	B9_Biased	0.489	0.476	0.013
30	C7_Biased	0.448	0.440	0.008
30	C9_Biased	0.422	0.408	0.014
30	A90_Unbiased	0.370	0.359	0.011
30	B10_Unbiased	0.425	0.398	0.027
30	B11_Unbiased	0.485	0.459	0.026
30	C11_Unbiased	0.419	0.404	0.015
30	C12_Unbiased	0.481	0.470	-0.489
0	106_Corr	0.442	0.442	0.000
0	15B_Corr	0.416	0.416	0.000
50	A92_Biased	0.479	0.452	0.027
50	A93_Biased	0.514	0.456	0.058
50	B12_Biased	0.506	0.460	0.046
50	B13_Biased	0.334	0.444	-0.110
50	C14_Biased	0.404	0.377	0.027
50	A95_Unbiased	0.359	0.342	0.017
50	A96_Unbiased	0.474	0.453	0.021
50	B15_Unbiased	0.412	0.395	0.017
50	B16_Unbiased	0.397	0.386	0.011
50	C15_Unbiased	0.393	0.374	0.019
0	106_Corr	0.344	0.344	-0.103
100	A97_Biased	0.355	0.323	0.032
100	A99_Biased	0.478	0.465	0.013
100	A100_Biased	0.404	0.366	0.038
100	A101_Biased	0.463	0.428	0.035
100	A102_Biased	0.451	0.270	0.181
100	A104_Biased	0.497	0.489	0.008
100	A105_Biased	0.402	0.367	0.035
100	B17_Biased	0.328	0.443	-0.115
100	B18_Biased	0.468	0.434	0.034
100	B19_Biased	0.398	0.351	0.047
100	B20_Biased	0.554	0.419	0.135
100	B21_Biased	0.451	0.411	0.040
100	B24_Biased	0.535	0.483	0.052
100	B25_Biased	0.451	0.461	-0.010
100	B26_Biased	0.536	0.473	0.063
100	C16_Biased	0.393	0.356	0.037
100	C17_Biased	0.413	0.367	0.046
100	C18_Biased	0.426	0.386	0.040
100	C19_Biased	0.409	0.362	0.047
100	C25_Biased	0.473	0.422	0.051
100	C26_Biased	0.370	0.335	0.035
100	C31_Biased	0.428	0.387	0.041
100	A107_Unbiased	0.504	0.461	0.043
100	A108_Unbiased	0.366	0.332	0.034
100	A109_Unbiased	0.461	0.430	0.031
100	A110_Unbiased	0.400	0.373	0.027
100	A111_Unbiased	0.468	0.427	0.041
100	A112_Unbiased	0.383	0.352	0.031
100	A113_Unbiased	0.513	0.473	0.040
100	B27_Unbiased	0.528	0.373	0.155
100	B29_Unbiased	0.463	0.423	0.040
100	B30_Unbiased	0.450	0.418	0.032
100	B31_Unbiased	0.436	0.431	0.005
100	B32_Unbiased	0.464	0.435	0.029
100	B33_Unbiased	0.524	0.456	0.068
100	B34_Unbiased	0.324	0.321	0.003
100	B35_Unbiased	0.427	0.389	0.038
100	C32_Unbiased	0.404	0.373	0.031
100	C33_Unbiased	0.458	0.424	0.034
100	C34_Unbiased	0.428	0.390	0.038
100	C35_Unbiased	0.448	0.415	0.033
100	C36_Unbiased	0.390	0.360	0.030
100	C37_Unbiased	0.383	0.351	0.032
100	C38_Unbiased	0.443	0.401	0.042
	Max	0.778	0.970	0.317
	Average	0.443	0.423	0.019
	Min	0.328	0.270	-0.489
	Std Dev	0.063	0.079	0.075

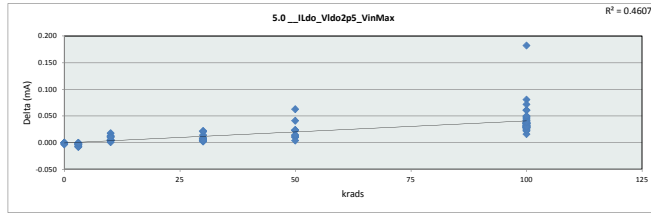


4.2 Ldo_Vldo1p5_Vin2p25					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Unit	mA				
Max Limit	1.2				
Min Limit	0				
krads	LL	Min	Average	Max	UL
0	0.000	0.344	0.413	0.447	1.200
3	0.000	0.367	0.459	0.562	1.200
10	0.000	0.375	0.448	0.552	1.200
30	0.000	0.359	0.481	0.970	1.200
50	0.000	0.342	0.414	0.460	1.200
100	0.000	0.270	0.400	0.460	1.200

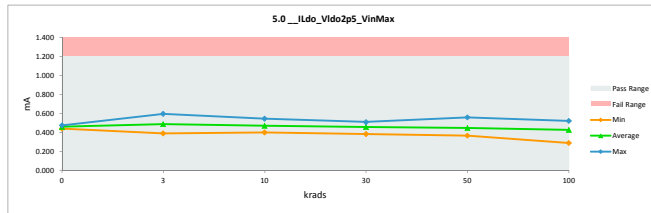


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5.0_V_Ldo_Vldo2p5_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	
0	C35_Corr	0.440	0.440	0.000
3	A79_Biased	0.545	0.549	-0.004
3	A80_Unbiased	0.391	0.391	0.000
3	B1_Biased	0.439	0.443	-0.004
3	B2_Biased	0.533	0.540	-0.007
3	C1_Biased	0.432	0.433	-0.001
3	A82_Unbiased	0.479	0.482	-0.003
3	A83_Unbiased	0.482	0.489	-0.007
3	B4_Unbiased	0.587	0.595	-0.008
3	B5_Unbiased	0.505	0.507	-0.002
3	C2_Unbiased	0.443	0.444	-0.001
10	A85_Biased	0.404	0.399	0.005
10	A86_Biased	0.403	0.491	0.012
10	B6_Biased	0.544	0.526	0.018
10	C3_Biased	0.441	0.428	0.013
10	C4_Biased	0.447	0.436	0.011
10	A87_Unbiased	0.532	0.528	0.004
10	A88_Unbiased	0.548	0.544	0.004
10	B7_Unbiased	0.454	0.453	0.001
10	C5_Unbiased	0.493	0.488	0.005
10	C6_Unbiased	0.435	0.425	0.010
0	106_Corr	0.471	0.471	0.000
30	A89_Biased	0.444	0.439	0.005
30	B8_Biased	0.512	0.510	0.002
30	B9_Biased	0.513	0.506	0.007
30	C7_Biased	0.480	0.466	0.014
30	C9_Biased	0.445	0.436	0.009
30	A90_Unbiased	0.388	0.384	0.004
30	B10_Unbiased	0.447	0.425	0.022
30	B11_Unbiased	0.511	0.490	0.021
30	C11_Unbiased	0.440	0.432	0.008
30	C12_Unbiased	0.482	0.478	0.004
0	106_Corr	0.470	0.470	0.000
0	15B_Corr	0.442	0.442	0.000
50	A92_Biased	0.505	0.481	0.024
50	A93_Biased	0.581	0.558	0.023
50	B12_Biased	0.532	0.491	0.041
50	B13_Biased	0.533	0.470	0.063
50	C14_Biased	0.426	0.403	0.023
50	A95_Unbiased	0.377	0.366	0.011
50	A96_Unbiased	0.496	0.482	0.014
50	B15_Unbiased	0.431	0.421	0.010
50	B16_Unbiased	0.416	0.412	0.004
50	C15_Unbiased	0.412	0.398	0.014
0	106_Corr	0.471	0.471	-0.003
100	A97_Biased	0.372	0.344	0.028
100	A99_Biased	0.535	0.494	0.041
100	A100_Biased	0.424	0.391	0.033
100	A101_Biased	0.485	0.452	0.033
100	A102_Biased	0.470	0.288	0.182
100	A104_Biased	0.582	0.521	0.061
100	A105_Biased	0.420	0.389	0.031
100	B17_Biased	0.511	0.472	0.039
100	B18_Biased	0.488	0.457	0.031
100	B19_Biased	0.419	0.373	0.046
100	B20_Biased	0.534	0.498	0.036
100	B21_Biased	0.475	0.440	0.035
100	B24_Biased	0.560	0.511	0.049
100	B25_Biased	0.527	0.490	0.037
100	B26_Biased	0.563	0.502	0.061
100	C16_Biased	0.412	0.379	0.033
100	C17_Biased	0.434	0.392	0.042
100	C18_Biased	0.445	0.406	0.036
100	C19_Biased	0.429	0.385	0.044
100	C25_Biased	0.497	0.449	0.048
100	C26_Biased	0.388	0.354	0.034
100	C31_Biased	0.451	0.414	0.037
100	A107_Unbiased	0.530	0.491	0.039
100	A108_Unbiased	0.384	0.356	0.028
100	A109_Unbiased	0.487	0.459	0.028
100	A110_Unbiased	0.421	0.399	0.022
100	A111_Unbiased	0.491	0.455	0.036
100	A112_Unbiased	0.401	0.371	0.030
100	A113_Unbiased	0.556	0.506	0.050
100	B27_Unbiased	0.473	0.392	0.081
100	B29_Unbiased	0.487	0.451	0.036
100	B30_Unbiased	0.475	0.446	0.029
100	B31_Unbiased	0.498	0.461	0.037
100	B32_Unbiased	0.489	0.465	0.024
100	B33_Unbiased	0.561	0.489	0.072
100	B34_Unbiased	0.361	0.345	0.016
100	B35_Unbiased	0.447	0.416	0.031
100	C32_Unbiased	0.422	0.395	0.027
100	C33_Unbiased	0.479	0.450	0.029
100	C34_Unbiased	0.448	0.416	0.032
100	C35_Unbiased	0.471	0.443	0.028
100	C36_Unbiased	0.407	0.383	0.024
100	C37_Unbiased	0.402	0.372	0.030
100	C38_Unbiased	0.465	0.427	0.038
	Max	0.587	0.595	0.182
	Average	0.471	0.446	0.024
	Min	0.361	0.288	-0.008
	Std Dev	0.053	0.055	0.026

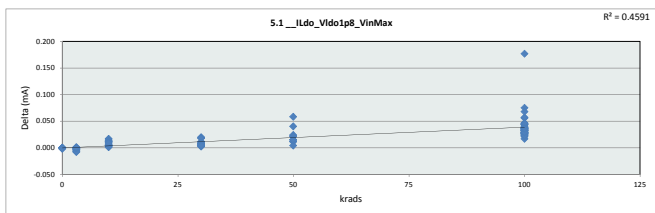


5.0_V_Ldo_Vldo2p5_VinMax						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.440	0.391	0.399	0.384	0.366	0.288
Average	0.459	0.487	0.472	0.457	0.448	0.427
Max	0.474	0.595	0.544	0.510	0.558	0.521
UL	1.200	1.200	1.200	1.200	1.200	1.200

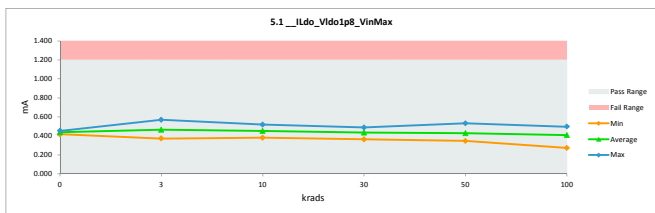


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5.1 _lLdo_Vido1p8_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	
0	C35_Corr	0.419	0.419	0.000
3	A79_Biased	0.520	0.523	-0.003
3	A80_Biased	0.373	0.372	0.001
3	B1_Biased	0.420	0.422	-0.002
3	B2_Biased	0.511	0.517	-0.006
3	C1_Biased	0.412	0.413	-0.001
3	A82_Unbiased	0.457	0.460	-0.003
3	A83_Unbiased	0.460	0.466	-0.006
3	B4_Unbiased	0.562	0.570	-0.008
3	B5_Unbiased	0.484	0.485	-0.001
3	C2_Unbiased	0.423	0.423	0.000
10	A85_Biased	0.386	0.382	0.004
10	A86_Biased	0.482	0.471	0.011
10	B6_Biased	0.519	0.502	0.017
10	C3_Biased	0.422	0.408	0.014
10	C4_Biased	0.428	0.417	0.011
10	A87_Unbiased	0.507	0.504	0.003
10	A88_Unbiased	0.524	0.520	0.004
10	B7_Unbiased	0.435	0.434	0.001
10	C5_Unbiased	0.472	0.466	0.006
10	C6_Unbiased	0.415	0.406	0.009
0	106_Corr	0.451	0.450	0.001
30	A89_Biased	0.426	0.422	0.004
30	B8_Biased	0.490	0.488	0.002
30	B9_Biased	0.490	0.483	0.007
30	C7_Biased	0.458	0.447	0.011
30	C9_Biased	0.424	0.415	0.009
30	A90_Unbiased	0.371	0.365	0.006
30	B10_Unbiased	0.425	0.405	0.020
30	B11_Unbiased	0.485	0.467	0.018
30	C11_Unbiased	0.419	0.411	0.008
30	C12_Unbiased	0.460	0.456	0.004
0	106_Corr	0.449	0.449	0.000
0	15B_Corr	0.423	0.423	0.000
50	A92_Biased	0.482	0.460	0.022
50	A93_Biased	0.464	0.456	0.008
50	B12_Biased	0.508	0.468	0.040
50	B13_Biased	0.507	0.449	0.058
50	C14_Biased	0.405	0.384	0.021
50	A95_Unbiased	0.349	0.349	0.000
50	A96_Unbiased	0.475	0.460	0.015
50	B15_Unbiased	0.412	0.401	0.011
50	B16_Unbiased	0.397	0.393	0.004
50	C15_Unbiased	0.395	0.380	0.015
0	106_Corr	0.451	0.453	-0.002
100	A97_Biased	0.355	0.329	0.026
100	A99_Biased	0.511	0.471	0.040
100	A100_Biased	0.405	0.372	0.033
100	A101_Biased	0.464	0.432	0.032
100	A102_Biased	0.451	0.274	0.177
100	A104_Biased	0.553	0.497	0.056
100	A105_Biased	0.403	0.372	0.031
100	B17_Biased	0.488	0.452	0.036
100	B18_Biased	0.469	0.440	0.029
100	B19_Biased	0.399	0.356	0.043
100	B20_Biased	0.511	0.477	0.034
100	B21_Biased	0.453	0.418	0.035
100	B24_Biased	0.536	0.490	0.046
100	B25_Biased	0.504	0.467	0.037
100	B26_Biased	0.538	0.481	0.057
100	C16_Biased	0.393	0.361	0.032
100	C17_Biased	0.415	0.372	0.043
100	C18_Biased	0.428	0.391	0.037
100	C19_Biased	0.411	0.367	0.044
100	C25_Biased	0.473	0.428	0.045
100	C26_Biased	0.372	0.340	0.032
100	C31_Biased	0.430	0.393	0.037
100	A107_Unbiased	0.468	0.468	0.000
100	A108_Unbiased	0.368	0.340	0.028
100	A109_Unbiased	0.465	0.439	0.026
100	A110_Unbiased	0.402	0.381	0.021
100	A111_Unbiased	0.469	0.434	0.035
100	A112_Unbiased	0.384	0.357	0.027
100	A113_Unbiased	0.529	0.483	0.046
100	B27_Unbiased	0.453	0.378	0.075
100	B29_Unbiased	0.465	0.432	0.033
100	B30_Unbiased	0.452	0.426	0.026
100	B31_Unbiased	0.474	0.438	0.036
100	B32_Unbiased	0.465	0.442	0.023
100	B33_Unbiased	0.533	0.465	0.068
100	B34_Unbiased	0.328	0.328	0.000
100	B35_Unbiased	0.427	0.398	0.029
100	C32_Unbiased	0.405	0.379	0.026
100	C33_Unbiased	0.459	0.431	0.028
100	C34_Unbiased	0.429	0.397	0.032
100	C35_Unbiased	0.450	0.423	0.027
100	C36_Unbiased	0.390	0.367	0.023
100	C37_Unbiased	0.385	0.356	0.029
100	C38_Unbiased	0.445	0.409	0.036
	Max	0.562	0.570	0.177
	Average	0.450	0.426	0.023
	Min	0.345	0.274	-0.008
	Std Dev	0.051	0.053	0.025

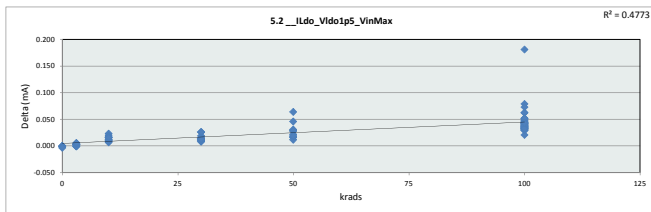


5.1 _lLdo_Vido1p8_VinMax						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.419	0.372	0.382	0.365	0.348	0.274
Average	0.439	0.465	0.451	0.436	0.428	0.408
Max	0.453	0.570	0.520	0.488	0.532	0.497
UL	1.200	1.200	1.200	1.200	1.200	1.200

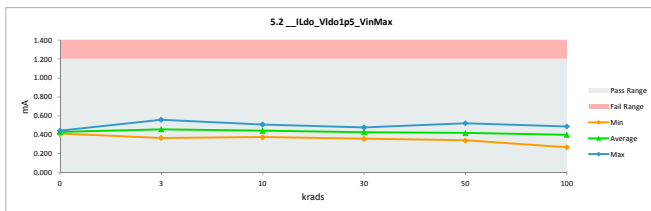


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5.2 Ildo_Vido1p5_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	
0	C35_Corr	0.413	0.413	0.000
3	A79_Biased	0.517	0.515	0.002
3	A80_Biased	0.372	0.368	0.004
3	B1_Biased	0.418	0.415	0.003
3	B2_Biased	0.509	0.509	0.000
3	C1_Biased	0.411	0.408	0.003
3	A82_Unbiased	0.455	0.452	0.003
3	A83_Unbiased	0.459	0.460	-0.001
3	B4_Unbiased	0.560	0.560	0.000
3	B5_Unbiased	0.482	0.478	0.004
3	C2_Unbiased	0.421	0.415	0.006
10	A85_Biased	0.384	0.375	0.009
10	A86_Biased	0.480	0.464	0.016
10	B6_Biased	0.516	0.493	0.023
10	C3_Biased	0.420	0.401	0.019
10	C4_Biased	0.426	0.410	0.016
10	A87_Unbiased	0.505	0.494	0.011
10	A88_Unbiased	0.521	0.510	0.011
10	B7_Unbiased	0.434	0.427	0.007
10	C5_Unbiased	0.469	0.457	0.012
10	C6_Unbiased	0.414	0.398	0.016
0	106_Corr	0.442	0.442	0.000
30	A89_Biased	0.425	0.414	0.011
30	B8_Biased	0.487	0.479	0.008
30	B9_Biased	0.488	0.475	0.013
30	C7_Biased	0.456	0.437	0.019
30	C9_Biased	0.422	0.407	0.015
30	A90_Unbiased	0.369	0.359	0.010
30	B10_Unbiased	0.423	0.397	0.026
30	B11_Unbiased	0.483	0.457	0.026
30	C11_Unbiased	0.418	0.403	0.015
30	C12_Unbiased	0.458	0.445	0.013
0	106_Corr	0.440	0.440	0.000
0	15B_Corr	0.415	0.415	0.000
50	A92_Biased	0.480	0.451	0.029
50	A93_Biased	0.462	0.425	0.037
50	B12_Biased	0.505	0.459	0.046
50	B13_Biased	0.505	0.441	0.064
50	C14_Biased	0.404	0.376	0.028
50	A95_Unbiased	0.359	0.342	0.017
50	A96_Unbiased	0.473	0.451	0.022
50	B15_Unbiased	0.409	0.393	0.016
50	B16_Unbiased	0.396	0.384	0.012
50	C15_Unbiased	0.393	0.374	0.019
0	106_Corr	0.442	0.442	0.000
100	A97_Biased	0.354	0.323	0.031
100	A99_Biased	0.508	0.463	0.045
100	A100_Biased	0.403	0.365	0.038
100	A101_Biased	0.462	0.425	0.037
100	A102_Biased	0.450	0.269	0.181
100	A104_Biased	0.550	0.488	0.062
100	A105_Biased	0.401	0.366	0.035
100	B17_Biased	0.487	0.443	0.044
100	B18_Biased	0.467	0.432	0.035
100	B19_Biased	0.397	0.348	0.049
100	B20_Biased	0.509	0.468	0.041
100	B21_Biased	0.451	0.409	0.042
100	B24_Biased	0.534	0.482	0.052
100	B25_Biased	0.502	0.459	0.043
100	B26_Biased	0.535	0.472	0.063
100	C16_Biased	0.392	0.355	0.037
100	C17_Biased	0.412	0.366	0.046
100	C18_Biased	0.425	0.386	0.039
100	C19_Biased	0.409	0.361	0.048
100	C25_Biased	0.471	0.420	0.051
100	C26_Biased	0.370	0.333	0.037
100	C31_Biased	0.428	0.386	0.042
100	C31_Unbiased	0.424	0.459	0.045
100	A107_Unbiased	0.504	0.459	0.045
100	A108_Unbiased	0.365	0.332	0.033
100	A109_Unbiased	0.463	0.428	0.035
100	A110_Unbiased	0.400	0.371	0.029
100	A111_Unbiased	0.467	0.427	0.040
100	A112_Unbiased	0.382	0.351	0.031
100	A113_Unbiased	0.525	0.473	0.052
100	B27_Unbiased	0.451	0.372	0.079
100	B29_Unbiased	0.462	0.422	0.040
100	B30_Unbiased	0.462	0.417	0.044
100	B31_Unbiased	0.472	0.429	0.043
100	B32_Unbiased	0.464	0.434	0.030
100	B33_Unbiased	0.528	0.455	0.073
100	B34_Unbiased	0.323	0.323	0.000
100	B35_Unbiased	0.426	0.389	0.037
100	C32_Unbiased	0.403	0.370	0.033
100	C33_Unbiased	0.457	0.423	0.034
100	C34_Unbiased	0.428	0.389	0.039
100	C35_Unbiased	0.448	0.415	0.033
100	C36_Unbiased	0.389	0.359	0.030
100	C37_Unbiased	0.383	0.350	0.033
100	C38_Unbiased	0.443	0.400	0.043
	Max	0.560	0.560	0.181
	Average	0.447	0.418	0.029
	Min	0.343	0.269	-0.003
	Std Dev	0.050	0.052	0.025

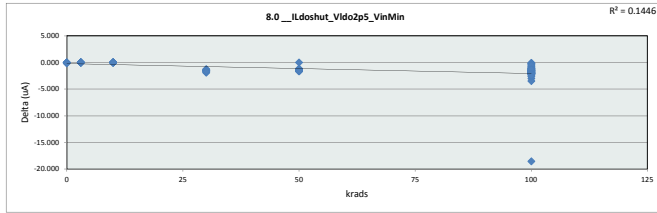


5.2 Ildo_Vido1p5_VinMax					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Unit	mA				
Max Limit	1.2				
Min Limit	0				
krads	LL	Min	Average	Max	UL
0	0.000	0.000	0.000	0.000	0.000
3	0.413	0.368	0.375	0.359	0.342
10	0.431	0.458	0.443	0.427	0.419
30	0.445	0.560	0.510	0.479	0.522
50	1.200	1.200	1.200	1.200	1.200
100	1.200	1.200	1.200	1.200	1.200

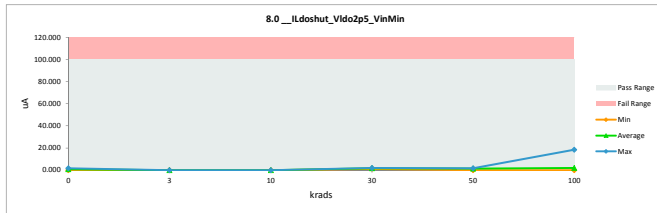


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8.0_ILdoshut_Vido2p5_VinMin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.000	0.000	0.000
3	A79_Biased	0.003	0.000	0.003
3	A80_Biased	0.003	0.000	0.003
3	B1_Biased	0.003	0.000	0.003
3	B2_Biased	0.003	0.000	0.003
3	C1_Biased	0.003	0.000	0.003
3	A82_Unbiased	0.003	0.000	0.003
3	A83_Unbiased	0.003	0.000	0.003
3	B4_Unbiased	0.002	0.000	0.002
3	B5_Unbiased	0.003	0.000	0.003
3	C2_Unbiased	0.003	0.000	0.003
10	A85_Biased	0.003	0.000	0.000
10	A86_Biased	0.003	0.003	0.000
10	B6_Biased	0.003	0.003	0.000
10	C3_Biased	0.003	0.003	0.000
10	C4_Biased	0.003	0.003	0.000
10	A87_Unbiased	0.003	0.003	0.000
10	A88_Unbiased	0.003	0.003	0.000
10	B7_Unbiased	0.003	0.003	0.000
10	C5_Unbiased	0.003	0.003	0.000
10	C6_Unbiased	0.003	0.003	0.000
0	106_Corr	1.247	1.247	0.000
30	A89_Biased	0.002	1.927	-1.925
30	B8_Biased	0.003	1.253	-1.250
30	B9_Biased	0.003	1.608	-1.605
30	C7_Biased	0.003	1.342	-1.339
30	C9_Biased	0.002	1.526	-1.524
30	A90_Unbiased	0.003	1.639	-1.636
30	B10_Unbiased	0.003	1.542	-1.539
30	B11_Unbiased	0.003	1.791	-1.788
30	C11_Unbiased	0.003	1.476	-1.473
30	C12_Unbiased	0.002	1.690	-1.688
0	106_Corr	1.725	1.725	0.000
0	15B_Corr	0.002	0.002	0.000
50	A92_Biased	0.003	1.433	-1.430
50	A93_Biased	0.003	1.604	-1.601
50	B12_Biased	0.003	0.002	0.001
50	B13_Biased	0.003	1.347	-1.344
50	C14_Biased	0.003	1.172	-1.169
50	A95_Unbiased	0.003	1.643	-1.640
50	A96_Unbiased	0.003	1.624	-1.621
50	B15_Unbiased	0.003	1.379	-1.376
50	B16_Unbiased	0.003	1.713	-1.710
50	C15_Unbiased	0.003	1.628	-1.625
0	106_Corr	1.247	1.247	0.000
100	A97_Biased	0.003	0.676	-0.673
100	A99_Biased	0.003	1.589	-1.586
100	A100_Biased	0.003	1.375	-1.372
100	A101_Biased	0.002	1.542	-1.540
100	A102_Biased	0.003	2.131	-2.128
100	A104_Biased	0.003	1.215	-1.212
100	A105_Biased	0.003	1.156	-1.153
100	B17_Biased	0.003	1.297	-1.294
100	B18_Biased	0.003	2.167	-2.164
100	B19_Biased	0.003	1.827	-1.824
100	B20_Biased	0.003	0.368	-0.365
100	B21_Biased	0.003	1.960	-1.957
100	B24_Biased	0.002	1.936	-1.934
100	B25_Biased	0.003	1.843	-1.840
100	B26_Biased	0.003	0.080	-0.077
100	C16_Biased	0.002	3.044	-3.042
100	C17_Biased	0.003	2.061	-2.058
100	C18_Biased	0.002	3.508	-3.506
100	C19_Biased	0.003	0.217	-0.214
100	C25_Biased	0.003	1.628	-1.625
100	C26_Biased	0.002	1.414	-1.412
100	C31_Biased	0.002	1.671	-1.669
100	A107_Unbiased	0.003	1.055	-1.052
100	A108_Unbiased	0.003	1.667	-1.664
100	A109_Unbiased	0.003	0.790	-0.787
100	A110_Unbiased	0.003	1.648	-1.645
100	A111_Unbiased	0.003	2.003	-2.000
100	A112_Unbiased	0.002	0.193	-0.191
100	A113_Unbiased	0.003	2.167	-2.164
100	B27_Unbiased	0.002	18.546	-18.544
100	B29_Unbiased	0.003	1.936	-1.933
100	B30_Unbiased	0.003	2.245	-2.242
100	B31_Unbiased	0.003	1.921	-1.918
100	B32_Unbiased	0.002	1.589	-1.587
100	B33_Unbiased	0.003	2.596	-2.593
100	B34_Unbiased	0.003	1.523	-1.520
100	B35_Unbiased	0.003	0.946	-0.943
100	C32_Unbiased	0.002	2.143	-2.141
100	C33_Unbiased	0.003	2.034	-2.031
100	C34_Unbiased	0.002	1.145	-1.143
100	C35_Unbiased	0.003	0.517	-0.514
100	C36_Unbiased	0.003	1.304	-1.301
100	C37_Unbiased	0.003	2.155	-2.152
100	C38_Unbiased	0.003	2.521	-2.518
	Max	1.725	18.546	0.003
	Average	0.050	-1.311	-1.311
	Min	0.000	0.000	-18.544
	Std Dev	0.258	2.035	2.048

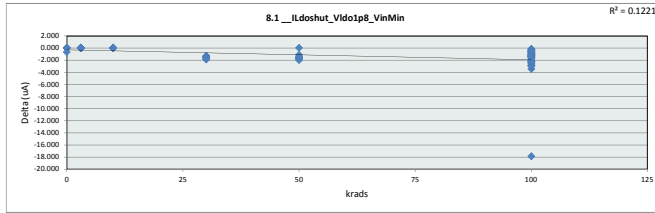


8.0_ILdoshut_Vido2p5_VinMin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	uA				
Min Limit	0	uA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.000	0.000	0.003	1.253	0.002	0.080
Average	0.884	0.000	0.003	1.579	1.355	1.985
Max	1.725	0.000	0.003	1.927	1.713	18.546
UL	100.000	100.000	100.000	100.000	100.000	100.000

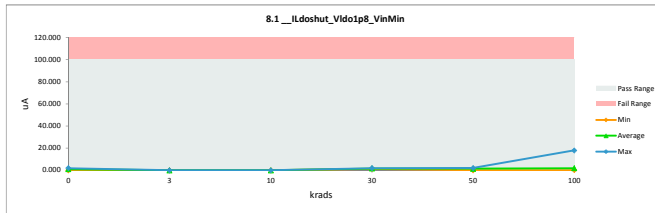


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8.1_ILdoshut_VldoTp8_VinMin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.000	0.000	0.000
3	A79_Biased	0.003	0.000	0.003
3	A80_Biased	0.002	0.000	0.002
3	B1_Biased	0.003	0.000	0.003
3	B2_Biased	0.003	0.000	0.003
3	C1_Biased	0.002	0.000	0.002
3	A82_Unbiased	0.003	0.000	0.003
3	A83_Unbiased	0.002	0.000	0.002
3	B4_Unbiased	0.003	0.000	0.003
3	B5_Unbiased	0.002	0.000	0.002
3	C2_Unbiased	0.003	0.000	0.003
10	A85_Biased	0.003	0.003	0.000
10	A86_Biased	0.003	0.003	0.000
10	B6_Biased	0.003	0.003	0.000
10	C3_Biased	0.003	0.003	0.000
10	C4_Biased	0.002	0.003	-0.001
10	A87_Unbiased	0.003	0.003	0.000
10	A88_Unbiased	0.003	0.003	0.000
10	B7_Unbiased	0.002	0.003	-0.001
10	C5_Unbiased	0.003	0.003	0.000
10	C6_Unbiased	0.002	0.003	-0.001
0	106_Corr	1.243	1.243	0.000
30	A89_Biased	0.002	1.608	-1.606
30	B8_Biased	0.002	1.321	-1.319
30	B9_Biased	0.002	1.643	-1.641
30	C7_Biased	0.003	1.435	-1.432
30	C9_Biased	0.002	1.341	-1.341
30	A90_Unbiased	0.002	1.484	-1.482
30	B10_Unbiased	0.003	1.452	-1.449
30	B11_Unbiased	0.002	1.881	-1.879
30	C11_Unbiased	0.002	1.538	-1.536
30	C12_Unbiased	0.002	1.849	-1.847
0	106_Corr	1.943	1.943	0.000
0	15B_Corr	0.002	0.002	0.000
50	A92_Biased	0.003	1.635	-1.632
50	A93_Biased	0.002	1.608	-1.606
50	B12_Biased	0.003	0.002	0.001
50	B13_Biased	0.003	1.468	-1.465
50	C14_Biased	0.003	1.141	-1.138
50	A95_Unbiased	0.003	1.791	-1.788
50	A96_Unbiased	0.003	1.744	-1.741
50	B15_Unbiased	0.003	1.760	-1.757
50	B16_Unbiased	0.002	2.095	-2.093
50	C15_Unbiased	0.003	1.877	-1.874
0	106_Corr	1.243	1.893	-0.650
100	A97_Biased	0.003	3.446	-3.443
100	A99_Biased	0.003	1.172	-1.169
100	A100_Biased	0.003	2.639	-2.636
100	A101_Biased	0.002	2.092	-2.090
100	A102_Biased	0.003	2.139	-2.136
100	A104_Biased	0.003	0.193	-0.190
100	A105_Biased	0.003	1.344	-1.341
100	B17_Biased	0.003	1.390	-1.387
100	B18_Biased	0.002	2.884	-2.882
100	B19_Biased	0.003	1.531	-1.528
100	B20_Biased	0.003	2.982	-2.979
100	B21_Biased	0.003	1.250	-1.247
100	B24_Biased	0.002	1.145	-1.143
100	B25_Biased	0.003	0.825	-0.822
100	B26_Biased	0.003	1.640	-1.637
100	C16_Biased	0.003	2.209	-2.206
100	C17_Biased	0.002	0.833	-0.831
100	C18_Biased	0.003	2.826	-2.823
100	C19_Biased	0.002	2.533	-2.531
100	C25_Biased	0.002	0.591	-0.589
100	C26_Biased	0.002	2.908	-2.906
100	C31_Biased	0.002	0.357	-0.355
100	A107_Unbiased	0.003	0.135	-0.135
100	A108_Unbiased	0.003	1.527	-1.524
100	A109_Unbiased	0.003	0.669	-0.666
100	A110_Unbiased	0.002	1.067	-1.065
100	A111_Unbiased	0.002	0.376	-0.374
100	A112_Unbiased	0.002	1.468	-1.466
100	A113_Unbiased	0.002	1.067	-1.065
100	B27_Unbiased	0.002	17.902	-17.900
100	B29_Unbiased	0.002	0.411	-0.409
100	B30_Unbiased	0.002	0.786	-0.784
100	B31_Unbiased	0.003	1.500	-1.497
100	B32_Unbiased	0.002	1.827	-1.825
100	B33_Unbiased	0.003	1.141	-1.138
100	B34_Unbiased	0.003	0.708	-0.705
100	B35_Unbiased	0.002	2.358	-2.356
100	C32_Unbiased	0.002	0.501	-0.499
100	C33_Unbiased	0.003	2.256	-2.253
100	C34_Unbiased	0.002	1.164	-1.162
100	C35_Unbiased	0.003	1.063	-1.060
100	C36_Unbiased	0.002	2.272	-2.270
100	C37_Unbiased	0.002	1.242	-1.240
100	C38_Unbiased	0.003	0.517	-0.514
	Max	1.943	17.902	0.003
	Average	0.000	-1.255	-1.255
	Min	0.000	0.000	-17.900
	Std Dev	0.274	1.995	2.003

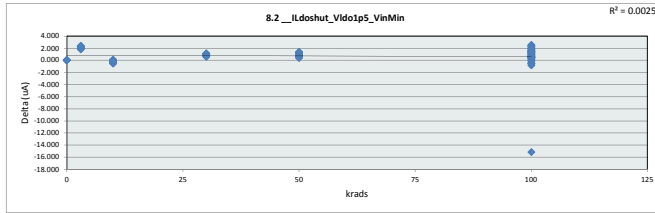


8.1_ILdoshut_VldoTp8_VinMin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	uA				
Min Limit	0	uA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.000	0.000	0.003	1.321	0.002	0.138
Average	1.016	0.000	0.003	1.557	1.473	1.838
Max	1.943	0.000	0.003	1.881	2.005	17.902
UL	100.000	100.000	100.000	100.000	100.000	100.000

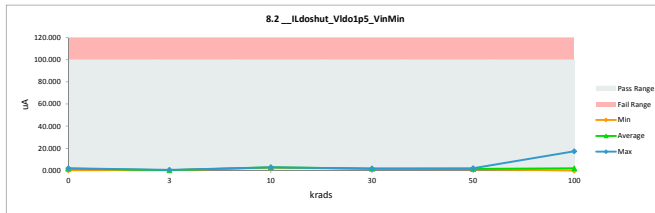


TID 100krad LDR Report
TPS7H3301-SP

8.2_ILdoshut_Vldo1p5_VinMin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.287	0.287	0.000
3	A79_Biased	2.502	0.486	2.016
3	A80_Biased	2.152	0.217	1.935
3	B1_Biased	2.537	0.361	2.176
3	B2_Biased	2.226	0.217	2.009
3	C1_Biased	2.619	0.528	2.091
3	A82_Unbiased	2.405	0.451	1.954
3	A83_Unbiased	2.650	0.326	2.324
3	B4_Unbiased	2.362	0.536	1.826
3	B5_Unbiased	2.669	0.256	2.413
3	C2_Unbiased	2.630	0.337	2.293
10	A85_Biased	2.576	2.704	-0.128
10	A86_Biased	2.794	2.662	0.132
10	B6_Biased	2.459	2.646	-0.187
10	C3_Biased	2.335	2.806	-0.471
10	C4_Biased	2.424	2.802	-0.378
10	A87_Unbiased	2.560	2.654	-0.094
10	A88_Unbiased	2.444	2.942	-0.498
10	B7_Unbiased	2.280	2.782	-0.502
10	C5_Unbiased	2.592	2.619	-0.027
10	C6_Unbiased	2.673	2.786	-0.113
0	106_Corr	1.951	1.951	0.000
30	A89_Biased	2.296	1.593	0.703
30	B8_Biased	2.424	1.289	1.135
30	B9_Biased	2.576	1.709	0.867
30	C7_Biased	2.393	1.733	0.660
30	C9_Biased	2.494	1.625	1.069
30	A90_Unbiased	2.666	1.682	0.984
30	B10_Unbiased	2.440	1.604	0.836
30	B11_Unbiased	2.708	1.690	1.018
30	C11_Unbiased	2.386	1.386	1.100
30	C12_Unbiased	2.335	1.768	0.567
0	106_Corr	1.807	1.807	0.000
0	15B_Corr	2.102	2.102	0.000
50	A92_Biased	2.416	1.433	0.983
50	A93_Biased	2.468	1.433	0.935
50	B12_Biased	2.701	1.713	0.988
50	B13_Biased	2.475	1.246	1.229
50	C14_Biased	2.416	1.075	1.341
50	A95_Unbiased	2.860	1.437	1.373
50	A96_Unbiased	2.502	1.842	0.660
50	B15_Unbiased	2.027	1.382	0.645
50	B16_Unbiased	2.152	1.787	0.365
50	C15_Unbiased	2.459	1.927	0.532
0	106_Corr	1.882	1.882	0.000
100	A97_Biased	2.455	1.999	0.456
100	A99_Biased	2.627	2.186	0.441
100	A100_Biased	2.736	0.762	1.974
100	A101_Biased	2.511	0.700	1.611
100	A102_Biased	2.627	2.404	0.223
100	A104_Biased	2.895	0.517	2.378
100	A105_Biased	2.627	0.419	2.208
100	B17_Biased	2.483	1.932	0.551
100	B18_Biased	2.774	1.975	0.999
100	B19_Biased	2.557	1.769	0.788
100	B20_Biased	2.802	0.981	1.821
100	B21_Biased	2.782	1.273	1.509
100	B24_Biased	2.272	0.891	1.381
100	B25_Biased	2.697	1.948	0.749
100	B26_Biased	2.599	0.056	2.543
100	C16_Biased	2.475	2.974	-0.499
100	C17_Biased	2.459	1.944	0.515
100	C18_Biased	2.483	3.333	-0.850
100	C19_Biased	2.432	0.446	1.986
100	C25_Biased	2.210	2.787	-0.577
100	C26_Biased	2.323	2.389	-0.066
100	C31_Biased	2.327	2.588	-0.261
100	A107_Unbiased	2.475	1.998	1.077
100	A108_Unbiased	2.576	2.139	0.437
100	A109_Unbiased	2.712	0.735	1.977
100	A110_Unbiased	2.276	0.700	1.576
100	A111_Unbiased	2.502	0.332	2.372
100	A112_Unbiased	2.413	2.923	-0.510
100	A113_Unbiased	2.514	1.644	0.870
100	B27_Unbiased	2.261	17.399	-15.138
100	B29_Unbiased	2.494	2.369	0.125
100	B30_Unbiased	2.399	2.392	0.207
100	B31_Unbiased	2.642	1.461	1.181
100	B32_Unbiased	2.471	1.839	0.632
100	B33_Unbiased	2.747	1.702	1.045
100	B34_Unbiased	2.506	1.851	1.455
100	B35_Unbiased	2.545	1.285	1.260
100	C32_Unbiased	2.428	1.858	0.570
100	C33_Unbiased	2.296	1.671	0.625
100	C34_Unbiased	2.136	0.813	1.323
100	C35_Unbiased	2.405	1.878	0.527
100	C36_Unbiased	2.455	0.552	1.903
100	C37_Unbiased	2.467	1.527	0.940
100	C38_Unbiased	2.518	1.141	1.377
	Max	2.895	17.399	2.543
	Average	2.439	1.722	0.717
	Min	0.287	0.056	-15.138
	Std Dev	0.307	1.873	1.907

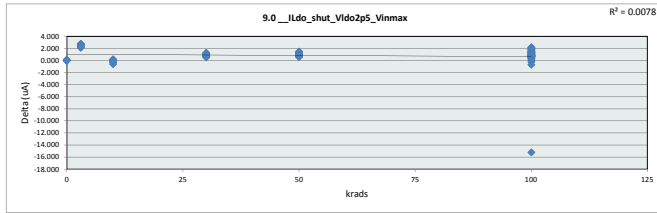


8.2_ILdoshut_Vldo1p5_VinMin					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	100	uA			
Min Limit	0	uA			
Krads	LL	Min	Average	Max	UL
0	0.000	0.000	0.000	0.000	0.000
3	0.287	0.217	2.619	1.289	1.075
10	1.606	0.372	2.740	1.588	1.533
30	2.102	0.536	2.942	1.768	1.927
50	100.000	100.000	100.000	100.000	100.000
100	100.000	100.000	100.000	100.000	100.000

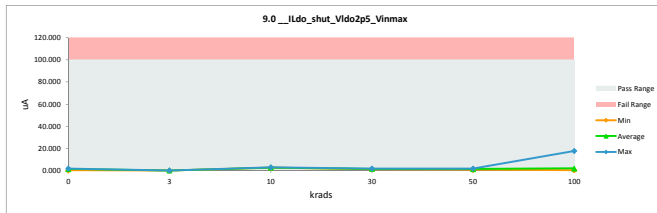


TID 100krad LDR Report
TPS7H3301-SP

9.0_I_Ldo_shut_Vido2p5_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.271	0.271	0.000
3	A79_Biased	2.845	0.111	2.734
3	A80_Biased	2.241	0.108	2.133
3	B1_Biased	2.506	0.026	2.480
3	B2_Biased	2.759	0.104	2.655
3	C1_Biased	2.689	0.068	2.621
3	A82_Unbiased	2.790	0.033	2.757
3	A83_Unbiased	2.817	0.182	2.635
3	B4_Unbiased	2.370	0.108	2.262
3	B5_Unbiased	2.420	0.200	2.220
3	C2_Unbiased	2.374	0.095	2.279
10	A85_Biased	2.580	2.704	-0.124
10	A86_Biased	2.662	2.872	-0.168
10	B6_Biased	2.817	2.607	0.210
10	C3_Biased	2.331	2.891	-0.560
10	C4_Biased	2.662	2.767	-0.105
10	A87_Unbiased	2.845	2.739	0.106
10	A88_Unbiased	2.493	3.012	-0.319
10	B7_Unbiased	2.572	2.747	-0.175
10	C5_Unbiased	2.743	2.716	0.027
10	C6_Unbiased	2.720	2.802	-0.082
0	106_Corr	1.904	1.904	0.000
30	A89_Biased	2.358	1.663	0.695
30	B8_Biased	2.630	1.491	1.139
30	B9_Biased	2.588	1.593	0.995
30	C7_Biased	2.471	1.748	0.723
30	C9_Biased	2.462	1.441	0.921
30	A90_Unbiased	2.572	1.340	1.232
30	B10_Unbiased	2.467	1.799	0.668
30	B11_Unbiased	2.459	1.947	0.512
30	C11_Unbiased	2.563	1.260	1.303
30	C12_Unbiased	2.560	1.624	0.936
0	106_Corr	1.779	1.779	0.000
0	15B_Corr	1.873	1.873	0.000
50	A92_Biased	2.389	1.678	0.711
50	A93_Biased	2.802	1.332	1.470
50	B12_Biased	2.595	1.355	1.240
50	B13_Biased	2.389	1.126	1.263
50	C14_Biased	2.280	0.946	1.334
50	A95_Unbiased	2.434	1.441	1.193
50	A96_Unbiased	2.580	1.647	0.933
50	B15_Unbiased	2.560	1.647	0.913
50	B16_Unbiased	2.498	1.931	0.567
50	C15_Unbiased	2.903	1.888	1.015
0	106_Corr	1.904	1.765	0.139
100	A97_Biased	2.669	1.936	0.733
100	A99_Biased	2.603	1.862	0.741
100	A100_Biased	2.841	0.676	2.165
100	A101_Biased	2.413	2.116	0.297
100	A102_Biased	2.466	1.312	1.354
100	A104_Biased	2.806	2.085	0.721
100	A105_Biased	2.782	2.174	0.608
100	B17_Biased	2.588	1.691	0.877
100	B18_Biased	2.704	1.597	1.107
100	B19_Biased	2.560	1.148	1.412
100	B20_Biased	2.739	1.617	1.122
100	B21_Biased	2.611	1.940	0.671
100	B24_Biased	2.436	2.646	-0.210
100	B25_Biased	2.560	1.804	0.756
100	B26_Biased	2.778	1.277	1.501
100	C16_Biased	2.560	2.494	0.066
100	C17_Biased	2.673	1.215	1.458
100	C18_Biased	2.907	2.116	0.791
100	C19_Biased	2.724	0.571	2.153
100	C25_Biased	2.370	1.835	0.535
100	C26_Biased	2.533	3.208	-0.675
100	C31_Biased	2.440	1.051	1.389
100	A107_Unbiased	2.497	0.197	1.900
100	A108_Unbiased	2.603	2.260	0.343
100	A109_Unbiased	2.701	1.402	1.299
100	A110_Unbiased	2.521	1.749	0.772
100	A111_Unbiased	2.666	0.973	1.693
100	A112_Unbiased	2.436	1.644	0.792
100	A113_Unbiased	2.942	1.492	1.450
100	B27_Unbiased	2.634	17.828	-15.194
100	B29_Unbiased	2.463	1.683	0.780
100	B30_Unbiased	2.467	1.652	0.815
100	B31_Unbiased	2.767	1.574	1.193
100	B32_Unbiased	2.268	1.620	0.648
100	B33_Unbiased	2.841	1.827	1.014
100	B34_Unbiased	2.588	1.987	0.601
100	B35_Unbiased	2.876	1.035	1.841
100	C32_Unbiased	2.300	1.414	0.886
100	C33_Unbiased	2.883	1.796	1.087
100	C34_Unbiased	2.214	0.396	1.818
100	C35_Unbiased	2.662	0.665	1.997
100	C36_Unbiased	2.685	1.796	0.889
100	C37_Unbiased	2.370	1.613	0.757
100	C38_Unbiased	2.432	1.519	0.913
	Max	2.942	17.828	2.757
	Average	2.540	1.738	0.801
	Min	0.271	0.026	-15.194
	Std Dev	0.335	1.891	1.893

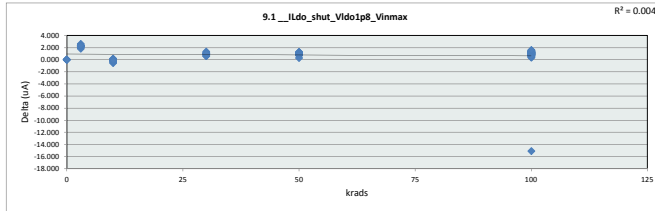


9.0_I_Ldo_shut_Vido2p5_Vinmax						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	uA				
Min Limit	0	uA				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.271	0.026	2.607	1.340	0.946	0.396
Average	1.518	0.104	2.786	1.615	1.499	1.979
Max	1.904	0.200	3.012	1.947	1.931	17.828
UL	100.000	100.000	100.000	100.000	100.000	100.000

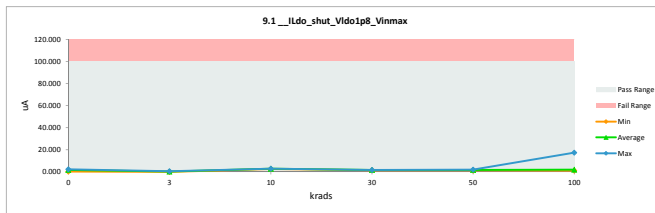


TID 100krad LDR Report
TPS7H3301-SP

9.1 _Lldo_shut_Vido1p8_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.236	0.236	0.000
3	A79_Biased	2.580	0.396	2.184
3	A80_Biased	2.377	0.322	2.055
3	B1_Biased	2.385	0.556	1.829
3	B2_Biased	2.576	0.287	2.289
3	C1_Biased	2.743	0.131	2.612
3	A82_Unbiased	2.704	0.638	2.066
3	A83_Unbiased	2.650	0.330	2.320
3	B4_Unbiased	2.319	0.088	2.231
3	B5_Unbiased	2.568	0.189	2.379
3	C2_Unbiased	2.498	0.189	2.309
10	A85_Biased	2.817	2.716	0.101
10	A86_Biased	2.625	2.644	-0.179
10	B6_Biased	2.580	2.743	-0.163
10	C3_Biased	2.327	2.891	-0.564
10	C4_Biased	2.420	2.817	-0.397
10	A87_Unbiased	2.642	2.778	-0.136
10	A88_Unbiased	2.689	2.646	0.043
10	B7_Unbiased	2.506	2.669	-0.163
10	C5_Unbiased	2.553	2.864	-0.311
10	C6_Unbiased	2.444	2.557	-0.113
0	106_Corr	1.912	1.912	0.000
30	A89_Biased	2.327	1.713	0.614
30	B8_Biased	2.335	1.764	0.571
30	B9_Biased	2.494	1.624	0.870
30	C7_Biased	2.580	1.686	0.894
30	C9_Biased	2.483	1.633	0.850
30	A90_Unbiased	2.743	1.398	1.345
30	B10_Unbiased	2.564	1.410	1.154
30	B11_Unbiased	2.413	1.682	0.731
30	C11_Unbiased	2.441	1.441	1.003
30	C12_Unbiased	2.518	1.519	0.999
0	106_Corr	2.169	2.169	0.000
0	15B_Corr	1.982	1.982	0.000
50	A92_Biased	2.397	1.674	0.723
50	A93_Biased	2.483	1.254	1.229
50	B12_Biased	2.697	1.667	1.030
50	B13_Biased	2.510	1.273	1.237
50	C14_Biased	2.619	1.340	1.279
50	A95_Unbiased	2.416	1.604	0.812
50	A96_Unbiased	2.494	1.647	0.847
50	B15_Unbiased	2.518	1.542	0.976
50	B16_Unbiased	2.564	1.877	0.687
50	C15_Unbiased	2.331	2.036	0.295
0	106_Corr	1.912	1.912	-0.000
100	A97_Biased	2.346	1.539	0.807
100	A99_Biased	2.689	1.636	1.053
100	A100_Biased	2.669	1.792	0.877
100	A101_Biased	2.533	2.073	0.460
100	A102_Biased	2.623	1.765	0.858
100	A104_Biased	2.880	1.800	1.080
100	A105_Biased	2.611	1.535	1.076
100	B17_Biased	2.413	1.437	0.976
100	B18_Biased	2.354	1.940	0.414
100	B19_Biased	2.397	1.492	0.905
100	B20_Biased	2.755	1.441	1.314
100	B21_Biased	2.658	1.464	1.194
100	B24_Biased	2.444	1.698	0.746
100	B25_Biased	2.708	1.511	1.197
100	B26_Biased	2.611	1.386	1.225
100	C16_Biased	2.568	1.870	0.698
100	C17_Biased	2.630	1.425	1.205
100	C18_Biased	2.829	2.057	0.772
100	C19_Biased	2.331	0.973	1.358
100	C25_Biased	2.148	1.488	0.660
100	C26_Biased	2.253	1.917	0.336
100	C31_Biased	2.506	1.644	0.862
100	A107_Unbiased	2.619	1.355	1.264
100	A108_Unbiased	2.475	1.496	0.979
100	A109_Unbiased	2.568	1.433	1.135
100	A110_Unbiased	2.424	1.531	0.893
100	A111_Unbiased	2.697	1.706	0.991
100	A112_Unbiased	2.506	1.355	1.151
100	A113_Unbiased	2.545	1.601	0.944
100	B27_Unbiased	2.296	17.419	-15.123
100	B29_Unbiased	2.673	1.304	1.369
100	B30_Unbiased	2.697	1.223	1.474
100	B31_Unbiased	2.666	1.581	1.085
100	B32_Unbiased	2.619	1.730	0.889
100	B33_Unbiased	2.607	1.578	1.029
100	B34_Unbiased	2.739	1.558	1.181
100	B35_Unbiased	2.689	1.574	1.115
100	C32_Unbiased	2.296	1.535	0.761
100	C33_Unbiased	2.533	1.812	0.721
100	C34_Unbiased	2.475	1.148	1.327
100	C35_Unbiased	2.681	1.176	1.505
100	C36_Unbiased	2.568	1.324	1.244
100	C37_Unbiased	2.424	1.913	0.511
100	C38_Unbiased	2.704	1.094	1.610
	Max	2.880	17.419	2.612
	Average	2.492	1.737	0.755
	Min	0.236	0.088	-15.123
	Std Dev	0.305	1.798	1.828

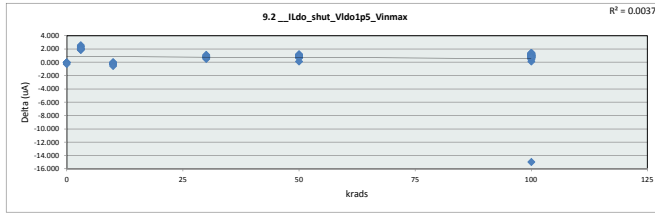


9.1 _Lldo_shut_Vido1p8_Vinmax					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	100	uA			
Min Limit	0	uA			
krads	LL	Min	Average	Max	UL
0	0.000	0.000	0.000	0.000	0.000
10	0.236	0.088	2.557	1.398	1.254
30	1.649	0.313	2.733	1.567	1.591
50	0.638	2.891	1.764	2.036	17.419
100	100.000	100.000	100.000	100.000	100.000

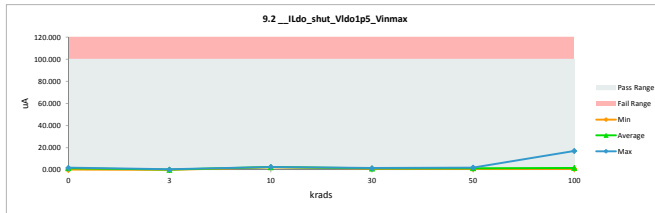


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9.2 _Ildo_shut_Vido1p5_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.334	0.334	0.000
3	A79_Biased	2.732	0.131	2.601
3	A80_Biased	2.389	0.474	1.915
3	B1_Biased	2.284	0.423	1.861
3	B2_Biased	2.498	0.127	2.371
3	C1_Biased	2.436	0.408	2.028
3	A82_Unbiased	2.732	0.653	2.079
3	A83_Unbiased	2.650	0.283	2.367
3	B4_Unbiased	2.350	0.337	2.013
3	B5_Unbiased	2.467	0.283	2.184
3	C2_Unbiased	2.346	0.357	1.989
10	A85_Biased	2.658	2.794	-0.136
10	A86_Biased	2.467	2.428	0.039
10	B6_Biased	2.669	2.662	0.007
10	C3_Biased	2.381	2.666	-0.285
10	C4_Biased	2.350	2.658	-0.308
10	A87_Unbiased	2.529	2.767	-0.238
10	A88_Unbiased	2.424	2.438	-0.214
10	B7_Unbiased	2.350	2.669	-0.319
10	C5_Unbiased	2.541	2.677	-0.136
10	C6_Unbiased	2.292	2.821	-0.529
0	106_Corr	1.712	1.713	0.000
30	A89_Biased	2.101	1.573	0.528
30	B8_Biased	2.483	1.511	0.972
30	B9_Biased	2.362	1.651	0.711
30	C7_Biased	2.315	1.515	0.800
30	C9_Biased	2.276	1.873	0.403
30	A90_Unbiased	2.393	1.266	1.127
30	B10_Unbiased	2.385	1.332	1.053
30	B11_Unbiased	2.409	1.550	0.859
30	C11_Unbiased	2.541	1.632	0.909
30	C12_Unbiased	2.354	1.709	0.645
0	106_Corr	2.017	2.017	0.000
0	15B_Corr	2.025	2.025	0.000
50	A92_Biased	2.521	1.546	0.975
50	A93_Biased	2.486	1.655	0.831
50	B12_Biased	2.642	1.698	0.944
50	B13_Biased	2.405	1.740	0.665
50	C14_Biased	2.311	1.079	1.232
50	A95_Unbiased	2.794	1.655	1.139
50	A96_Unbiased	2.335	1.624	0.711
50	B15_Unbiased	2.580	1.612	0.968
50	B16_Unbiased	2.350	2.211	0.139
50	C15_Unbiased	2.479	1.589	0.890
0	106_Corr	1.712	1.713	0.000
100	A97_Biased	2.323	1.523	0.800
100	A99_Biased	2.638	1.554	1.084
100	A100_Biased	2.537	1.523	1.014
100	A101_Biased	2.179	1.414	0.765
100	A102_Biased	2.424	2.291	0.133
100	A104_Biased	2.802	1.757	1.045
100	A105_Biased	2.564	1.652	0.912
100	B17_Biased	2.389	1.679	0.710
100	B18_Biased	2.389	1.952	0.437
100	B19_Biased	2.272	1.535	0.737
100	B20_Biased	2.642	1.679	0.963
100	B21_Biased	2.681	1.461	1.220
100	B24_Biased	2.300	1.695	0.605
100	B25_Biased	2.358	1.191	1.167
100	B26_Biased	2.537	1.589	0.948
100	C16_Biased	2.222	1.226	0.996
100	C17_Biased	2.611	1.328	1.283
100	C18_Biased	2.611	1.732	1.439
100	C19_Biased	2.413	1.289	1.124
100	C25_Biased	2.440	1.137	1.303
100	C26_Biased	2.354	1.429	0.925
100	C31_Biased	2.405	1.269	1.136
100	A107_Unbiased	2.455	1.422	1.033
100	A108_Unbiased	2.405	1.336	1.069
100	A109_Unbiased	2.494	1.176	1.318
100	A110_Unbiased	2.440	1.691	0.749
100	A111_Unbiased	2.642	1.519	1.123
100	A112_Unbiased	2.171	1.531	0.640
100	A113_Unbiased	2.339	1.640	0.699
100	B27_Unbiased	2.210	17.157	-14.947
100	B29_Unbiased	2.323	1.554	0.769
100	B30_Unbiased	2.389	1.484	0.905
100	B31_Unbiased	2.693	1.242	1.451
100	B32_Unbiased	2.300	1.765	0.535
100	B33_Unbiased	2.529	1.390	1.139
100	B34_Unbiased	2.346	1.492	0.854
100	B35_Unbiased	2.397	1.449	0.948
100	C32_Unbiased	2.409	1.808	0.601
100	C33_Unbiased	2.525	1.527	0.998
100	C34_Unbiased	2.342	1.359	0.983
100	C35_Unbiased	2.448	1.082	1.366
100	C36_Unbiased	2.444	1.433	1.011
100	C37_Unbiased	2.366	1.503	0.863
100	C38_Unbiased	2.331	1.539	0.792
	Max	2.802	17.157	2.601
	Average	2.292	1.702	0.600
	Min	0.334	0.127	-14.947
	Std Dev	0.290	1.766	1.799

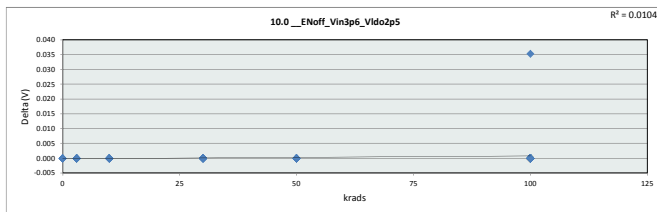


9.2 _Ildo_shut_Vido1p5_Vinmax					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	100				
Min Limit	0				
Units	0	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	0.334	0.127	2.428	1.266	1.079
Average	1.612	0.348	2.678	1.531	1.641
Max	0.653	2.821	1.709	2.211	17.157
UL	100.000	100.000	100.000	100.000	100.000

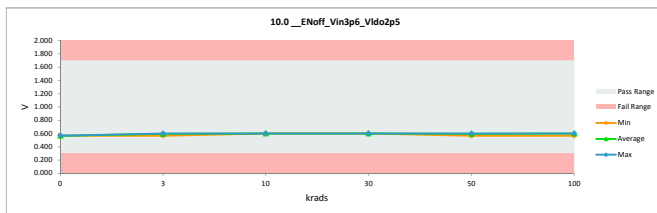


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10.0_ENeff_Vin3p6_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.566	0.566	0.000
3	A79_Biased	0.601	0.601	0.000
3	A80_Biased	0.601	0.601	0.000
3	B1_Biased	0.601	0.601	0.000
3	B2_Biased	0.601	0.601	0.000
3	C1_Biased	0.601	0.601	0.000
3	A82_Unbiased	0.601	0.601	0.000
3	A83_Unbiased	0.566	0.566	0.000
3	B4_Unbiased	0.601	0.601	0.000
3	B5_Unbiased	0.601	0.601	0.000
3	C2_Unbiased	0.601	0.601	0.000
10	A85_Biased	0.601	0.601	0.000
10	A86_Biased	0.601	0.601	0.000
10	B6_Biased	0.601	0.601	0.000
10	C3_Biased	0.601	0.601	0.000
10	C4_Biased	0.601	0.601	0.000
10	A87_Unbiased	0.601	0.601	0.000
10	A88_Unbiased	0.601	0.601	0.000
10	B7_Unbiased	0.601	0.601	0.000
10	C5_Unbiased	0.601	0.601	0.000
10	C6_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.566	0.000
30	A89_Biased	0.601	0.601	0.000
30	B8_Biased	0.601	0.601	0.000
30	B9_Biased	0.601	0.601	0.000
30	C7_Biased	0.601	0.601	0.000
30	C9_Biased	0.601	0.601	0.000
30	A90_Unbiased	0.601	0.601	0.000
30	B10_Unbiased	0.601	0.601	0.000
30	B11_Unbiased	0.601	0.601	0.000
30	C11_Unbiased	0.601	0.601	0.000
30	C12_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.566	0.000
0	15B_Corr	0.566	0.566	0.000
50	A92_Biased	0.601	0.601	0.000
50	A93_Biased	0.601	0.601	0.000
50	B12_Biased	0.601	0.601	0.000
50	B13_Biased	0.566	0.566	0.000
50	C14_Biased	0.601	0.601	0.000
50	A95_Unbiased	0.601	0.601	0.000
50	A96_Unbiased	0.601	0.601	0.000
50	B15_Unbiased	0.601	0.601	0.000
50	B16_Unbiased	0.601	0.601	0.000
50	C15_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.566	0.000
100	A97_Biased	0.601	0.601	0.000
100	A99_Biased	0.601	0.601	0.000
100	A100_Biased	0.601	0.601	0.000
100	A101_Biased	0.601	0.601	0.000
100	A102_Biased	0.601	0.601	0.000
100	A104_Biased	0.601	0.601	0.000
100	A105_Biased	0.601	0.601	0.000
100	B17_Biased	0.601	0.601	0.000
100	B18_Biased	0.601	0.601	0.000
100	B19_Biased	0.601	0.601	0.000
100	B20_Biased	0.601	0.601	0.000
100	B21_Biased	0.601	0.601	0.000
100	B24_Biased	0.601	0.601	0.000
100	B25_Biased	0.601	0.601	0.000
100	B26_Biased	0.601	0.601	0.000
100	C16_Biased	0.601	0.601	0.000
100	C17_Biased	0.601	0.601	0.000
100	C18_Biased	0.601	0.601	0.000
100	C19_Biased	0.601	0.601	0.000
100	C25_Biased	0.601	0.601	0.000
100	C26_Biased	0.601	0.601	0.000
100	C31_Biased	0.601	0.601	0.000
100	A107_Unbiased	0.601	0.601	0.000
100	A108_Unbiased	0.601	0.601	0.000
100	A109_Unbiased	0.566	0.566	0.000
100	A110_Unbiased	0.601	0.601	0.000
100	A111_Unbiased	0.601	0.601	0.000
100	A112_Unbiased	0.601	0.601	0.000
100	A113_Unbiased	0.601	0.601	0.000
100	B27_Unbiased	0.601	0.566	0.035
100	B29_Unbiased	0.601	0.601	0.000
100	B30_Unbiased	0.601	0.601	0.000
100	B31_Unbiased	0.601	0.601	0.000
100	B32_Unbiased	0.601	0.601	0.000
100	B33_Unbiased	0.601	0.601	0.000
100	B34_Unbiased	0.601	0.601	0.000
100	B35_Unbiased	0.601	0.601	0.000
100	C32_Unbiased	0.601	0.601	0.000
100	C33_Unbiased	0.601	0.601	0.000
100	C34_Unbiased	0.601	0.601	0.000
100	C35_Unbiased	0.601	0.601	0.000
100	C36_Unbiased	0.601	0.601	0.000
100	C37_Unbiased	0.601	0.601	0.000
100	C38_Unbiased	0.601	0.601	0.000
	Max	0.601	0.601	0.035
	Average	0.597	0.597	0.000
	Min	0.566	0.566	0.000
	Std Dev	0.010	0.011	0.004

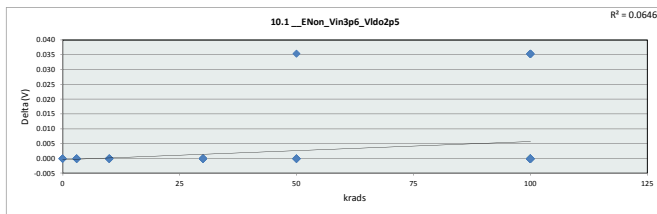


10.0_ENeff_Vin3p6_Vldo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7 V					
Min Limit	0.3 V					
Krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.566	0.566	0.601	0.601	0.566	0.566
Average	0.566	0.597	0.601	0.601	0.597	0.599
Max	0.566	0.601	0.601	0.601	0.601	0.601
UL	1.700	1.700	1.700	1.700	1.700	1.700

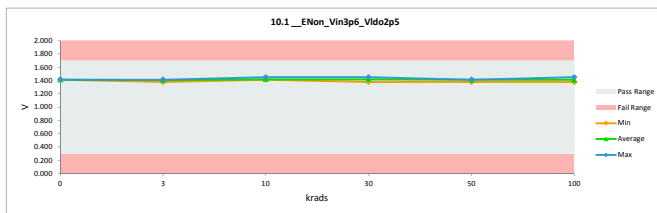


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10.1_ENon_Vin3p6_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.414	1.414	0.000
3	A79_Biased	1.414	1.414	0.000
3	A80_Biased	1.414	1.414	0.000
3	B1_Biased	1.414	1.414	0.000
3	B2_Biased	1.379	1.379	0.000
3	C1_Biased	1.414	1.414	0.000
3	A82_Unbiased	1.414	1.414	0.000
3	A83_Unbiased	1.414	1.414	0.000
3	B4_Unbiased	1.379	1.379	0.000
3	B5_Unbiased	1.414	1.414	0.000
3	C2_Unbiased	1.414	1.414	0.000
10	A85_Biased	1.414	1.414	0.000
10	A86_Biased	1.414	1.414	0.000
10	B6_Biased	1.414	1.414	0.000
10	C3_Biased	1.414	1.414	0.000
10	C4_Biased	1.414	1.414	0.000
10	A87_Unbiased	1.414	1.414	0.000
10	A88_Unbiased	1.414	1.414	0.000
10	B7_Unbiased	1.449	1.449	0.000
10	C5_Unbiased	1.414	1.414	0.000
10	C6_Unbiased	1.414	1.414	0.000
0	106_Corr	1.414	1.414	0.000
30	A89_Biased	1.379	1.379	0.000
30	B8_Biased	1.414	1.414	0.000
30	B9_Biased	1.414	1.414	0.000
30	C7_Biased	1.449	1.449	0.000
30	C9_Biased	1.414	1.414	0.000
30	A90_Unbiased	1.414	1.414	0.000
30	B10_Unbiased	1.414	1.414	0.000
30	B11_Unbiased	1.414	1.414	0.000
30	C11_Unbiased	1.414	1.414	0.000
30	C12_Unbiased	1.449	1.449	0.000
0	106_Corr	1.414	1.414	0.000
0	15B_Corr	1.414	1.414	0.000
50	A92_Biased	1.414	1.414	0.000
50	A93_Biased	1.414	1.414	0.000
50	B12_Biased	1.414	1.414	0.000
50	B13_Biased	1.379	1.379	0.000
50	C14_Biased	1.414	1.414	0.000
50	A95_Unbiased	1.414	1.414	0.000
50	A96_Unbiased	1.414	1.414	0.000
50	B15_Unbiased	1.414	1.414	0.000
50	B16_Unbiased	1.414	1.414	0.000
50	C15_Unbiased	1.449	1.414	0.035
0	106_Corr	1.414	1.414	0.000
100	A97_Biased	1.414	1.379	0.035
100	A99_Biased	1.414	1.414	0.000
100	A100_Biased	1.414	1.414	0.000
100	A101_Biased	1.414	1.414	0.000
100	A102_Biased	1.414	1.414	0.000
100	A104_Biased	1.414	1.414	0.000
100	A105_Biased	1.414	1.379	0.035
100	B17_Biased	1.414	1.414	0.000
100	B18_Biased	1.379	1.379	0.000
100	B19_Biased	1.414	1.414	0.000
100	B20_Biased	1.414	1.414	0.000
100	B21_Biased	1.414	1.414	0.000
100	B21_Biased	1.414	1.414	0.000
100	B25_Biased	1.414	1.414	0.000
100	B26_Biased	1.414	1.414	0.000
100	C16_Biased	1.449	1.449	0.000
100	C17_Biased	1.414	1.414	0.000
100	C18_Biased	1.414	1.414	0.000
100	C19_Biased	1.449	1.449	0.000
100	C25_Biased	1.449	1.449	0.000
100	C26_Biased	1.414	1.414	0.000
100	C31_Biased	1.414	1.414	0.000
100	A107_Unbiased	1.414	1.379	0.035
100	A108_Unbiased	1.414	1.414	0.000
100	A109_Unbiased	1.379	1.379	0.000
100	A110_Unbiased	1.414	1.414	0.000
100	A111_Unbiased	1.414	1.414	0.000
100	A112_Unbiased	1.414	1.414	0.000
100	A113_Unbiased	1.414	1.414	0.000
100	B27_Unbiased	1.414	1.379	0.035
100	B29_Unbiased	1.414	1.414	0.000
100	B30_Unbiased	1.414	1.414	0.000
100	B31_Unbiased	1.414	1.414	0.000
100	B32_Unbiased	1.414	1.414	0.000
100	B33_Unbiased	1.414	1.414	0.000
100	B34_Unbiased	1.414	1.379	0.035
100	B35_Unbiased	1.414	1.414	0.000
100	C32_Unbiased	1.414	1.414	0.000
100	C33_Unbiased	1.414	1.414	0.000
100	C34_Unbiased	1.414	1.414	0.000
100	C35_Unbiased	1.414	1.414	0.000
100	C36_Unbiased	1.449	1.414	0.035
100	C37_Unbiased	1.449	1.414	0.035
100	C38_Unbiased	1.414	1.414	0.000
	Max	1.449	1.449	0.035
	Average	1.415	1.412	0.003
	Min	1.379	1.379	0.000
	Std Dev	0.015	0.015	0.010

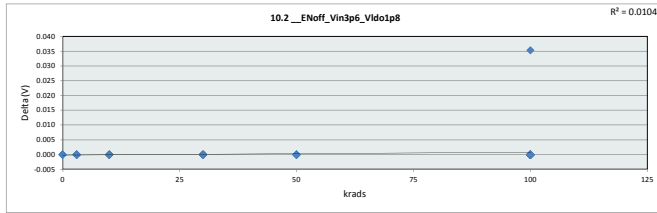


10.1_ENon_Vin3p6_Vldo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7 V					
Min Limit	0.3 V					
Krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	1.414	1.379	1.414	1.379	1.379	1.379
Average	1.414	1.407	1.418	1.418	1.411	1.411
Max	1.414	1.414	1.450	1.450	1.414	1.450
UL	1.700	1.700	1.700	1.700	1.700	1.700

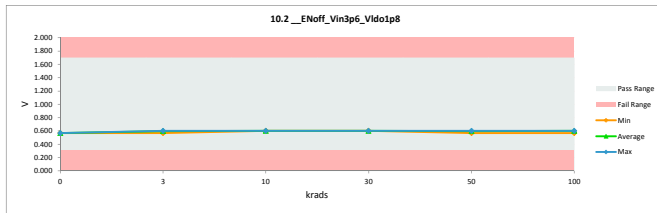


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10.2_ENoff_Vin3p6_VIdo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.566	0.566	0.000
3	A79_Biased	0.601	0.601	0.000
3	A80_Biased	0.601	0.601	0.000
3	B1_Biased	0.601	0.601	0.000
3	B2_Biased	0.601	0.601	0.000
3	C1_Biased	0.601	0.601	0.000
3	A82_Unbiased	0.601	0.601	0.000
3	A83_Unbiased	0.566	0.566	0.000
3	B4_Unbiased	0.601	0.601	0.000
3	B5_Unbiased	0.601	0.601	0.000
3	C2_Unbiased	0.601	0.601	0.000
10	A85_Biased	0.601	0.601	0.000
10	A86_Biased	0.601	0.601	0.000
10	B6_Biased	0.601	0.601	0.000
10	C3_Biased	0.601	0.601	0.000
10	C4_Biased	0.601	0.601	0.000
10	A87_Unbiased	0.601	0.601	0.000
10	A88_Unbiased	0.601	0.601	0.000
10	B7_Unbiased	0.601	0.601	0.000
10	C5_Unbiased	0.601	0.601	0.000
10	C6_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.566	0.000
30	A89_Biased	0.601	0.601	0.000
30	B8_Biased	0.601	0.601	0.000
30	B9_Biased	0.601	0.601	0.000
30	C7_Biased	0.601	0.601	0.000
30	C9_Biased	0.601	0.601	0.000
30	A90_Unbiased	0.601	0.601	0.000
30	B10_Unbiased	0.601	0.601	0.000
30	B11_Unbiased	0.601	0.601	0.000
30	C11_Unbiased	0.601	0.601	0.000
30	C12_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.566	0.000
0	15B_Corr	0.566	0.566	0.000
50	A92_Biased	0.601	0.601	0.000
50	A93_Biased	0.601	0.601	0.000
50	B12_Biased	0.601	0.601	0.000
50	B13_Biased	0.566	0.566	0.000
50	C14_Biased	0.601	0.601	0.000
50	A95_Unbiased	0.601	0.601	0.000
50	A96_Unbiased	0.601	0.601	0.000
50	B15_Unbiased	0.601	0.601	0.000
50	B16_Unbiased	0.601	0.601	0.000
50	C15_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.566	0.000
100	A97_Biased	0.601	0.601	0.000
100	A99_Biased	0.601	0.601	0.000
100	A100_Biased	0.601	0.601	0.000
100	A101_Biased	0.601	0.601	0.000
100	A102_Biased	0.601	0.601	0.000
100	A104_Biased	0.601	0.601	0.000
100	A105_Biased	0.601	0.601	0.000
100	B17_Biased	0.601	0.601	0.000
100	B18_Biased	0.601	0.601	0.000
100	B19_Biased	0.601	0.601	0.000
100	B20_Biased	0.601	0.601	0.000
100	B21_Biased	0.601	0.601	0.000
100	B24_Biased	0.601	0.601	0.000
100	B25_Biased	0.601	0.601	0.000
100	B26_Biased	0.601	0.601	0.000
100	C16_Biased	0.601	0.601	0.000
100	C17_Biased	0.601	0.601	0.000
100	C18_Biased	0.601	0.601	0.000
100	C19_Biased	0.601	0.601	0.000
100	C25_Biased	0.601	0.601	0.000
100	C26_Biased	0.601	0.601	0.000
100	C31_Biased	0.601	0.601	0.000
100	A107_Unbiased	0.601	0.601	0.000
100	A108_Unbiased	0.601	0.601	0.000
100	A109_Unbiased	0.566	0.566	0.000
100	A110_Unbiased	0.601	0.601	0.000
100	A111_Unbiased	0.601	0.601	0.000
100	A112_Unbiased	0.601	0.601	0.000
100	A113_Unbiased	0.601	0.601	0.000
100	B27_Unbiased	0.601	0.566	0.035
100	B29_Unbiased	0.601	0.601	0.000
100	B30_Unbiased	0.601	0.601	0.000
100	B31_Unbiased	0.601	0.601	0.000
100	B32_Unbiased	0.601	0.601	0.000
100	B33_Unbiased	0.601	0.601	0.000
100	B34_Unbiased	0.601	0.601	0.000
100	B35_Unbiased	0.601	0.601	0.000
100	C32_Unbiased	0.601	0.601	0.000
100	C33_Unbiased	0.601	0.601	0.000
100	C34_Unbiased	0.601	0.601	0.000
100	C35_Unbiased	0.601	0.601	0.000
100	C36_Unbiased	0.601	0.601	0.000
100	C37_Unbiased	0.601	0.601	0.000
100	C38_Unbiased	0.601	0.601	0.000
	Max	0.601	0.601	0.035
	Average	0.597	0.597	0.000
	Min	0.566	0.566	0.000
	Std Dev	0.010	0.011	0.004

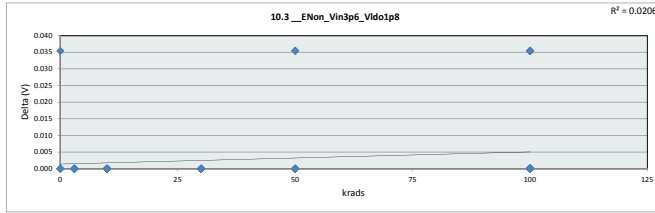


10.2_ENoff_Vin3p6_VIdo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7 V					
Min Limit	0.3 V					
Krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.566	0.566	0.601	0.601	0.566	0.566
Average	0.566	0.597	0.601	0.601	0.597	0.599
Max	0.566	0.601	0.601	0.601	0.601	0.601
UL	1.700	1.700	1.700	1.700	1.700	1.700

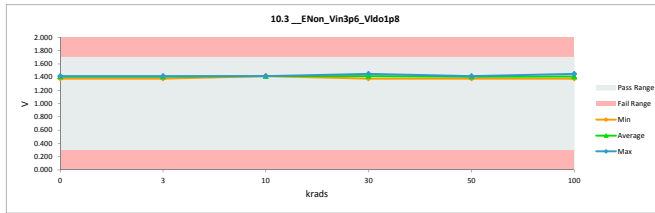


TID 100krad LDR Report
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10.3_ENon_Vin3p6_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.414	1.414	0.000
3	A79_Biased	1.414	1.414	0.000
3	A80_Biased	1.414	1.414	0.000
3	B1_Biased	1.414	1.414	0.000
3	B2_Biased	1.379	1.379	0.000
3	C1_Biased	1.414	1.414	0.000
3	A82_Unbiased	1.414	1.414	0.000
3	A83_Unbiased	1.414	1.414	0.000
3	B4_Unbiased	1.379	1.379	0.000
3	B5_Unbiased	1.414	1.414	0.000
3	C2_Unbiased	1.414	1.414	0.000
10	A85_Biased	1.414	1.414	0.000
10	A86_Biased	1.414	1.414	0.000
10	B6_Biased	1.414	1.414	0.000
10	C3_Biased	1.414	1.414	0.000
10	C4_Biased	1.414	1.414	0.000
10	A87_Unbiased	1.414	1.414	0.000
10	A88_Unbiased	1.414	1.414	0.000
10	B7_Unbiased	1.414	1.414	0.000
10	C5_Unbiased	1.414	1.414	0.000
10	C6_Unbiased	1.414	1.414	0.000
0	106_Corr	1.414	1.414	0.000
30	A89_Biased	1.379	1.379	0.000
30	B8_Biased	1.414	1.414	0.000
30	B9_Biased	1.414	1.414	0.000
30	C7_Biased	1.449	1.449	0.000
30	C9_Biased	1.414	1.414	0.000
30	A90_Unbiased	1.414	1.414	0.000
30	B10_Unbiased	1.414	1.414	0.000
30	B11_Unbiased	1.414	1.414	0.000
30	C11_Unbiased	1.414	1.414	0.000
30	C12_Unbiased	1.449	1.449	0.000
0	106_Corr	1.414	1.414	0.000
0	15B_Corr	1.414	1.414	0.000
50	A92_Biased	1.414	1.414	0.000
50	A93_Biased	1.414	1.414	0.000
50	B12_Biased	1.414	1.414	0.000
50	B13_Biased	1.379	1.379	0.000
50	C14_Biased	1.414	1.414	0.000
50	A95_Unbiased	1.414	1.379	0.035
50	A96_Unbiased	1.414	1.414	0.000
50	B15_Unbiased	1.414	1.414	0.000
50	B16_Unbiased	1.414	1.414	0.000
50	C15_Unbiased	1.449	1.414	0.035
0	106_Corr	1.414	1.379	0.035
100	A97_Biased	1.379	1.379	0.000
100	A99_Biased	1.414	1.414	0.000
100	A100_Biased	1.414	1.379	0.035
100	A101_Biased	1.414	1.414	0.000
100	A102_Biased	1.414	1.414	0.000
100	A104_Biased	1.414	1.414	0.000
100	A105_Biased	1.414	1.379	0.035
100	B17_Biased	1.414	1.414	0.000
100	B18_Biased	1.379	1.379	0.000
100	B19_Biased	1.414	1.414	0.000
100	B20_Biased	1.414	1.414	0.000
100	B21_Biased	1.414	1.414	0.000
100	B24_Biased	1.414	1.414	0.000
100	B25_Biased	1.414	1.414	0.000
100	B26_Biased	1.414	1.414	0.000
100	C16_Biased	1.449	1.449	0.000
100	C17_Biased	1.414	1.414	0.000
100	C18_Biased	1.414	1.414	0.000
100	C19_Biased	1.449	1.449	0.000
100	C25_Biased	1.449	1.449	0.000
100	C26_Biased	1.414	1.414	0.000
100	C31_Biased	1.414	1.414	0.000
100	A107_Unbiased	1.414	1.379	0.035
100	A108_Unbiased	1.414	1.414	0.000
100	A109_Unbiased	1.379	1.379	0.000
100	A110_Unbiased	1.414	1.414	0.000
100	A111_Unbiased	1.414	1.414	0.000
100	A112_Unbiased	1.414	1.414	0.000
100	A113_Unbiased	1.414	1.414	0.000
100	B27_Unbiased	1.414	1.379	0.035
100	B29_Unbiased	1.414	1.414	0.000
100	B30_Unbiased	1.414	1.414	0.000
100	B31_Unbiased	1.414	1.414	0.000
100	B32_Unbiased	1.414	1.414	0.000
100	B33_Unbiased	1.414	1.414	0.000
100	B34_Unbiased	1.414	1.379	0.035
100	B35_Unbiased	1.414	1.414	0.000
100	C32_Unbiased	1.414	1.414	0.000
100	C33_Unbiased	1.414	1.414	0.000
100	C34_Unbiased	1.414	1.414	0.000
100	C35_Unbiased	1.414	1.414	0.000
100	C36_Unbiased	1.449	1.414	0.035
100	C37_Unbiased	1.414	1.414	0.000
100	C38_Unbiased	1.414	1.414	0.000
	Max	1.449	1.449	0.035
	Average	1.414	1.411	0.004
	Min	1.379	1.379	0.000
	Std Dev	0.014	0.016	0.011

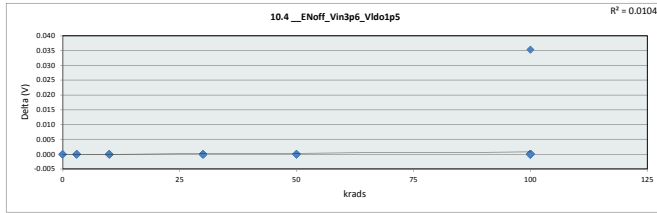


10.3_ENon_Vin3p6_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7 V					
Min Limit	0.3 V					
Krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	1.379	1.379	1.414	1.379	1.379	1.379
Average	1.407	1.407	1.414	1.418	1.407	1.410
Max	1.414	1.414	1.414	1.450	1.414	1.450
UL	1.700	1.700	1.700	1.700	1.700	1.700

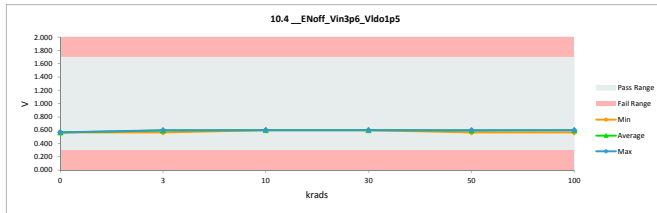


TID 100krad LDR Report
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10.4_ENoff_Vin3p6_VIdo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.566	0.566	0.000
3	A79_Biased	0.601	0.601	0.000
3	A80_Biased	0.601	0.601	0.000
3	B1_Biased	0.601	0.601	0.000
3	B2_Biased	0.601	0.601	0.000
3	C1_Biased	0.601	0.601	0.000
3	A82_Unbiased	0.601	0.601	0.000
3	A83_Unbiased	0.566	0.566	0.000
3	B4_Unbiased	0.601	0.601	0.000
3	B5_Unbiased	0.601	0.601	0.000
3	C2_Unbiased	0.601	0.601	0.000
10	A85_Biased	0.601	0.601	0.000
10	A86_Biased	0.601	0.601	0.000
10	B6_Biased	0.601	0.601	0.000
10	C3_Biased	0.601	0.601	0.000
10	C4_Biased	0.601	0.601	0.000
10	A87_Unbiased	0.601	0.601	0.000
10	A88_Unbiased	0.601	0.601	0.000
10	B7_Unbiased	0.601	0.601	0.000
10	C5_Unbiased	0.601	0.601	0.000
10	C6_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.566	0.000
30	A89_Biased	0.601	0.601	0.000
30	B8_Biased	0.601	0.601	0.000
30	B9_Biased	0.601	0.601	0.000
30	C7_Biased	0.601	0.601	0.000
30	C9_Biased	0.601	0.601	0.000
30	A90_Unbiased	0.601	0.601	0.000
30	B10_Unbiased	0.601	0.601	0.000
30	B11_Unbiased	0.601	0.601	0.000
30	C11_Unbiased	0.601	0.601	0.000
30	C12_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.566	0.000
0	15B_Corr	0.566	0.566	0.000
50	A92_Biased	0.601	0.601	0.000
50	A93_Biased	0.601	0.601	0.000
50	B12_Biased	0.601	0.601	0.000
50	B13_Biased	0.566	0.566	0.000
50	C14_Biased	0.601	0.601	0.000
50	A95_Unbiased	0.601	0.601	0.000
50	A96_Unbiased	0.601	0.601	0.000
50	B15_Unbiased	0.601	0.601	0.000
50	B16_Unbiased	0.601	0.601	0.000
50	C15_Unbiased	0.601	0.601	0.000
0	106_Corr	0.566	0.566	0.000
100	A97_Biased	0.601	0.601	0.000
100	A99_Biased	0.601	0.601	0.000
100	A100_Biased	0.601	0.601	0.000
100	A101_Biased	0.601	0.601	0.000
100	A102_Biased	0.601	0.601	0.000
100	A104_Biased	0.601	0.601	0.000
100	A105_Biased	0.601	0.601	0.000
100	B17_Biased	0.601	0.601	0.000
100	B18_Biased	0.601	0.601	0.000
100	B19_Biased	0.601	0.601	0.000
100	B20_Biased	0.601	0.601	0.000
100	B21_Biased	0.601	0.601	0.000
100	B24_Biased	0.601	0.601	0.000
100	B25_Biased	0.601	0.601	0.000
100	B26_Biased	0.601	0.601	0.000
100	C16_Biased	0.601	0.601	0.000
100	C17_Biased	0.601	0.601	0.000
100	C18_Biased	0.601	0.601	0.000
100	C19_Biased	0.601	0.601	0.000
100	C25_Biased	0.601	0.601	0.000
100	C26_Biased	0.601	0.601	0.000
100	C31_Biased	0.601	0.601	0.000
100	A107_Unbiased	0.601	0.601	0.000
100	A108_Unbiased	0.601	0.601	0.000
100	A109_Unbiased	0.566	0.566	0.000
100	A110_Unbiased	0.601	0.601	0.000
100	A111_Unbiased	0.601	0.601	0.000
100	A112_Unbiased	0.601	0.601	0.000
100	A113_Unbiased	0.601	0.601	0.000
100	B27_Unbiased	0.601	0.566	0.035
100	B29_Unbiased	0.601	0.601	0.000
100	B30_Unbiased	0.601	0.601	0.000
100	B31_Unbiased	0.601	0.601	0.000
100	B32_Unbiased	0.601	0.601	0.000
100	B33_Unbiased	0.601	0.601	0.000
100	B34_Unbiased	0.601	0.601	0.000
100	B35_Unbiased	0.601	0.601	0.000
100	C32_Unbiased	0.601	0.601	0.000
100	C33_Unbiased	0.601	0.601	0.000
100	C34_Unbiased	0.601	0.601	0.000
100	C35_Unbiased	0.601	0.601	0.000
100	C36_Unbiased	0.601	0.601	0.000
100	C37_Unbiased	0.601	0.601	0.000
100	C38_Unbiased	0.601	0.601	0.000
	Max	0.601	0.601	0.035
	Average	0.597	0.597	0.000
	Min	0.566	0.566	0.000
	Std Dev	0.010	0.011	0.004

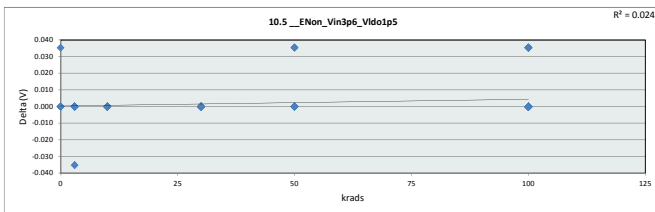


10.4_ENoff_Vin3p6_VIdo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7 V					
Min Limit	0.3 V					
Krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.566	0.566	0.601	0.601	0.566	0.566
Average	0.566	0.597	0.601	0.601	0.597	0.599
Max	0.566	0.601	0.601	0.601	0.601	0.601
UL	1.700	1.700	1.700	1.700	1.700	1.700

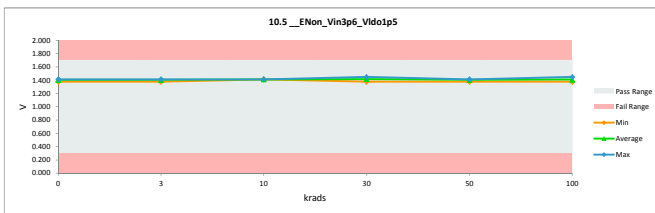


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10.5_ENon_Vin3p6_VIdo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.414	1.414	0.000
3	A79_Biased	1.414	1.414	0.000
3	A80_Biased	1.414	1.414	0.000
3	B1_Biased	1.414	1.414	0.000
3	B2_Biased	1.379	1.379	0.000
3	C1_Biased	1.414	1.414	0.000
3	A82_Unbiased	1.379	1.414	-0.035
3	A83_Unbiased	1.414	1.414	0.000
3	B4_Unbiased	1.379	1.379	0.000
3	B5_Unbiased	1.414	1.414	0.000
3	C2_Unbiased	1.414	1.414	0.000
10	A85_Biased	1.414	1.414	0.000
10	A86_Biased	1.414	1.414	0.000
10	B6_Biased	1.414	1.414	0.000
10	C3_Biased	1.414	1.414	0.000
10	C4_Biased	1.414	1.414	0.000
10	A87_Unbiased	1.414	1.414	0.000
10	A88_Unbiased	1.414	1.414	0.000
10	B7_Unbiased	1.414	1.414	0.000
10	C5_Unbiased	1.414	1.414	0.000
10	C6_Unbiased	1.414	1.414	0.000
0	106_Corr	1.414	1.414	0.000
30	A89_Biased	1.379	1.379	0.000
30	B8_Biased	1.414	1.414	0.000
30	B9_Biased	1.414	1.414	0.000
30	C7_Biased	1.414	1.414	0.000
30	C9_Biased	1.414	1.414	0.000
30	A90_Unbiased	1.414	1.414	0.000
30	B10_Unbiased	1.414	1.414	0.000
30	B11_Unbiased	1.414	1.414	0.000
30	C11_Unbiased	1.414	1.414	0.000
30	C12_Unbiased	1.414	1.414	0.000
0	106_Corr	1.414	1.414	0.000
0	15B_Corr	1.414	1.414	0.000
50	A92_Biased	1.414	1.414	0.000
50	A93_Biased	1.414	1.414	0.000
50	B12_Biased	1.414	1.414	0.000
50	B13_Biased	1.379	1.379	0.000
50	C14_Biased	1.414	1.414	0.000
50	A95_Unbiased	1.414	1.414	0.000
50	A96_Unbiased	1.414	1.414	0.000
50	B15_Unbiased	1.414	1.414	0.000
50	B16_Unbiased	1.414	1.414	0.000
50	C15_Unbiased	1.414	1.414	0.035
0	106_Corr	1.414	1.379	0.035
100	A97_Biased	1.379	1.379	0.000
100	A99_Biased	1.414	1.414	0.000
100	A100_Biased	1.414	1.379	0.035
100	A101_Biased	1.414	1.414	0.000
100	A102_Biased	1.414	1.414	0.000
100	A104_Biased	1.414	1.414	0.000
100	A105_Biased	1.414	1.379	0.035
100	B17_Biased	1.414	1.414	0.000
100	B18_Biased	1.379	1.379	0.000
100	B19_Biased	1.414	1.414	0.000
100	B20_Biased	1.414	1.414	0.000
100	B21_Biased	1.414	1.414	0.000
100	B24_Biased	1.414	1.414	0.000
100	B25_Biased	1.414	1.414	0.000
100	B26_Biased	1.414	1.414	0.000
100	C16_Biased	1.414	1.414	0.000
100	C17_Biased	1.414	1.414	0.000
100	C18_Biased	1.414	1.414	0.000
100	C19_Biased	1.414	1.414	0.000
100	C25_Biased	1.414	1.414	0.000
100	C26_Biased	1.414	1.414	0.000
100	C31_Biased	1.414	1.414	0.000
100	A107_Unbiased	1.414	1.379	0.035
100	A108_Unbiased	1.414	1.414	0.000
100	A109_Unbiased	1.379	1.379	0.000
100	A110_Unbiased	1.414	1.414	0.000
100	A111_Unbiased	1.414	1.414	0.000
100	A112_Unbiased	1.414	1.414	0.000
100	A113_Unbiased	1.414	1.414	0.000
100	B27_Unbiased	1.414	1.379	0.035
100	B29_Unbiased	1.414	1.414	0.000
100	B30_Unbiased	1.414	1.414	0.000
100	B31_Unbiased	1.414	1.414	0.000
100	B32_Unbiased	1.414	1.414	0.000
100	B33_Unbiased	1.414	1.414	0.000
100	B34_Unbiased	1.379	1.379	0.000
100	B35_Unbiased	1.414	1.414	0.000
100	C32_Unbiased	1.414	1.414	0.000
100	C33_Unbiased	1.414	1.414	0.000
100	C34_Unbiased	1.414	1.414	0.000
100	C35_Unbiased	1.414	1.414	0.000
100	C36_Unbiased	1.414	1.414	0.035
100	C37_Unbiased	1.414	1.414	0.000
100	C38_Unbiased	1.414	1.414	0.000
	Max	1.414	1.414	0.035
	Average	1.413	1.411	0.003
	Min	1.379	1.379	-0.035
	Std Dev	0.015	0.016	0.011

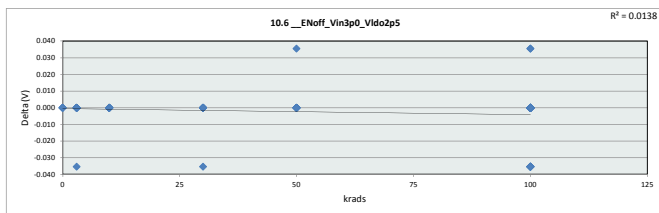


10.5_ENon_Vin3p6_VIdo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7 V					
Min Limit	0.3 V					
Krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	1.379	1.379	1.414	1.379	1.379	1.379
Average	1.407	1.407	1.414	1.418	1.407	1.410
Max	1.414	1.414	1.414	1.450	1.414	1.450
UL	1.700	1.700	1.700	1.700	1.700	1.700

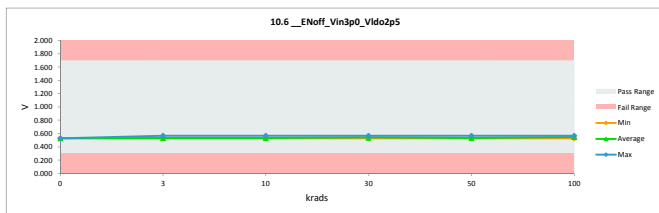


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10.6 __ENeff_Vin3p0_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.530	0.530	0.000
3	A79_Biased	0.530	0.530	0.000
3	A80_Biased	0.530	0.530	0.000
3	B1_Biased	0.530	0.530	0.000
3	B2_Biased	0.530	0.530	0.000
3	C1_Biased	0.530	0.566	-0.035
3	A82_Unbiased	0.530	0.530	0.000
3	A83_Unbiased	0.530	0.530	0.000
3	B4_Unbiased	0.530	0.530	0.000
3	B5_Unbiased	0.530	0.530	0.000
3	C2_Unbiased	0.530	0.530	0.000
10	A85_Biased	0.530	0.530	0.000
10	A86_Biased	0.530	0.530	0.000
10	B6_Biased	0.530	0.530	0.000
10	C3_Biased	0.530	0.530	0.000
10	C4_Biased	0.530	0.530	0.000
10	A87_Unbiased	0.530	0.530	0.000
10	A88_Unbiased	0.530	0.530	0.000
10	B7_Unbiased	0.566	0.566	0.000
10	C5_Unbiased	0.530	0.530	0.000
10	C6_Unbiased	0.530	0.530	0.000
0	106_Corr	0.530	0.530	0.000
30	A89_Biased	0.530	0.530	0.000
30	B8_Biased	0.530	0.530	0.000
30	B9_Biased	0.530	0.530	0.000
30	C7_Biased	0.566	0.566	0.000
30	C9_Biased	0.530	0.530	0.000
30	A90_Unbiased	0.566	0.566	0.000
30	B10_Unbiased	0.530	0.530	0.000
30	B11_Unbiased	0.530	0.530	0.000
30	C11_Unbiased	0.530	0.530	0.000
30	C12_Unbiased	0.530	0.566	-0.035
0	106_Corr	0.530	0.530	0.000
0	15B_Corr	0.530	0.530	0.000
50	A92_Biased	0.530	0.530	0.000
50	A93_Biased	0.530	0.530	0.000
50	B12_Biased	0.530	0.530	0.000
50	B13_Biased	0.530	0.530	0.000
50	C14_Biased	0.530	0.530	0.000
50	A95_Unbiased	0.530	0.530	0.000
50	A96_Unbiased	0.566	0.566	0.000
50	B15_Unbiased	0.530	0.530	0.000
50	B16_Unbiased	0.530	0.530	0.000
50	C15_Unbiased	0.566	0.530	0.035
0	106_Corr	0.530	0.530	0.000
100	A97_Biased	0.566	0.566	0.000
100	A99_Biased	0.530	0.530	0.000
100	A100_Biased	0.530	0.566	-0.035
100	A101_Biased	0.530	0.530	0.000
100	A102_Biased	0.566	0.566	0.000
100	A104_Biased	0.530	0.530	0.000
100	A105_Biased	0.530	0.566	-0.035
100	B17_Biased	0.530	0.566	-0.035
100	B18_Biased	0.530	0.530	0.000
100	B19_Biased	0.530	0.566	-0.035
100	B20_Biased	0.530	0.566	-0.035
100	B21_Biased	0.530	0.530	0.000
100	B24_Biased	0.566	0.566	0.000
100	B25_Biased	0.530	0.530	0.000
100	B26_Biased	0.530	0.530	0.000
100	C16_Biased	0.566	0.566	0.000
100	C17_Biased	0.566	0.566	0.000
100	C18_Biased	0.530	0.530	0.000
100	C19_Biased	0.566	0.566	0.000
100	C25_Biased	0.530	0.566	-0.035
100	C26_Biased	0.530	0.530	0.000
100	C31_Biased	0.566	0.566	0.000
100	A107_Unbiased	0.566	0.566	0.000
100	A108_Unbiased	0.566	0.566	0.000
100	A109_Unbiased	0.530	0.530	0.000
100	A110_Unbiased	0.530	0.530	0.000
100	A111_Unbiased	0.530	0.530	0.000
100	A112_Unbiased	0.530	0.566	-0.035
100	A113_Unbiased	0.530	0.530	0.000
100	B27_Unbiased	0.566	0.530	0.035
100	B29_Unbiased	0.566	0.566	0.000
100	B30_Unbiased	0.530	0.530	0.000
100	B31_Unbiased	0.530	0.530	0.000
100	B32_Unbiased	0.530	0.530	0.000
100	B33_Unbiased	0.566	0.530	0.035
100	B34_Unbiased	0.566	0.566	0.000
100	B35_Unbiased	0.530	0.530	0.000
100	C32_Unbiased	0.566	0.566	0.000
100	C33_Unbiased	0.566	0.566	0.000
100	C34_Unbiased	0.566	0.566	0.000
100	C35_Unbiased	0.530	0.530	0.000
100	C36_Unbiased	0.566	0.566	0.000
100	C37_Unbiased	0.530	0.566	-0.035
100	C38_Unbiased	0.530	0.530	0.000
	Max	0.566	0.566	0.035
	Average	0.539	0.542	-0.003
	Min	0.530	0.530	-0.035
	Std Dev	0.015	0.017	0.013



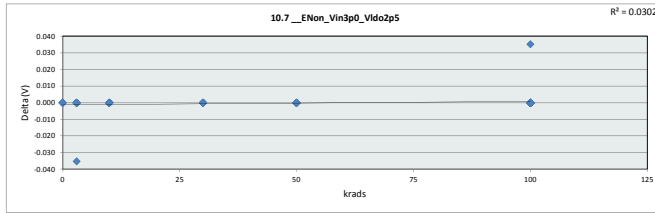
10.6 __ENeff_Vin3p0_Vldo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7 V					
Min Limit	0.3 V					
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.530	0.530	0.530	0.530	0.530	0.530
Average	0.530	0.534	0.534	0.541	0.534	0.549
Max	0.530	0.566	0.566	0.566	0.566	0.566
UL	1.700	1.700	1.700	1.700	1.700	1.700



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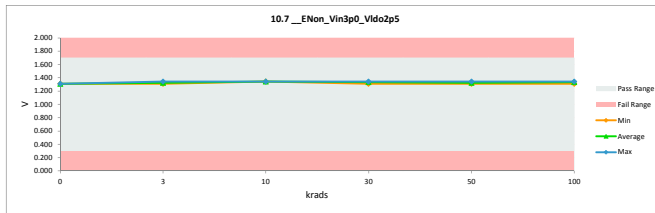
10.7 __ENon_Vin3p0_Vldo2p5			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	1.7	1.7	
Min Limit	0.3	0.3	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.308	1.308	0.000
3	A79_Biased	1.343	1.343	0.000
3	A80_Biased	1.308	1.308	0.000
3	B1_Biased	1.308	1.343	-0.035
3	B2_Biased	1.308	1.308	0.000
3	C1_Biased	1.343	1.343	0.000
3	A82_Unbiased	1.308	1.308	0.000
3	A83_Unbiased	1.308	1.308	0.000
3	B4_Unbiased	1.308	1.308	0.000
3	B5_Unbiased	1.343	1.343	0.000
3	C2_Unbiased	1.343	1.343	0.000
10	A85_Biased	1.343	1.343	0.000
10	A86_Biased	1.343	1.343	0.000
10	B6_Biased	1.343	1.343	0.000
10	C3_Biased	1.343	1.343	0.000
10	C4_Biased	1.343	1.343	0.000
10	A87_Unbiased	1.343	1.343	0.000
10	A88_Unbiased	1.343	1.343	0.000
10	B7_Unbiased	1.343	1.343	0.000
10	C5_Unbiased	1.343	1.343	0.000
10	C6_Unbiased	1.343	1.343	0.000
0	106_Corr	1.308	1.308	0.000
30	A89_Biased	1.308	1.308	0.000
30	B8_Biased	1.343	1.343	0.000
30	B9_Biased	1.343	1.343	0.000
30	C7_Biased	1.343	1.343	0.000
30	C9_Biased	1.343	1.343	0.000
30	A90_Unbiased	1.308	1.308	0.000
30	B10_Unbiased	1.308	1.308	0.000
30	B11_Unbiased	1.343	1.343	0.000
30	C11_Unbiased	1.343	1.343	0.000
30	C12_Unbiased	1.343	1.343	0.000
0	106_Corr	1.308	1.308	0.000
0	15B_Corr	1.308	1.308	0.000
50	A92_Biased	1.343	1.343	0.000
50	A93_Biased	1.308	1.308	0.000
50	B12_Biased	1.343	1.343	0.000
50	B13_Biased	1.308	1.308	0.000
50	C14_Biased	1.343	1.343	0.000
50	A95_Unbiased	1.308	1.308	0.000
50	A96_Unbiased	1.343	1.343	0.000
50	B15_Unbiased	1.308	1.308	0.000
50	B16_Unbiased	1.308	1.308	0.000
50	C15_Unbiased	1.343	1.343	0.000
0	106_Corr	1.308	1.308	0.000
100	A97_Biased	1.308	1.308	0.000
100	A99_Biased	1.343	1.343	0.000
100	A100_Biased	1.308	1.308	0.000
100	A101_Biased	1.343	1.343	0.000
100	A102_Biased	1.343	1.343	0.000
100	A104_Biased	1.343	1.343	0.000
100	A105_Biased	1.308	1.308	0.000
100	B17_Biased	1.343	1.343	0.000
100	B18_Biased	1.308	1.308	0.000
100	B19_Biased	1.343	1.343	0.000
100	B20_Biased	1.343	1.343	0.000
100	B21_Biased	1.343	1.343	0.000
100	B24_Biased	1.308	1.308	0.000
100	B25_Biased	1.308	1.308	0.000
100	B26_Biased	1.343	1.343	0.000
100	C16_Biased	1.343	1.343	0.000
100	C17_Biased	1.343	1.343	0.000
100	C18_Biased	1.343	1.343	0.000
100	C19_Biased	1.343	1.343	0.000
100	C25_Biased	1.343	1.343	0.000
100	C26_Biased	1.343	1.343	0.000
100	C31_Biased	1.343	1.343	0.000
100	A107_Unbiased	1.308	1.308	0.000
100	A108_Unbiased	1.343	1.308	0.035
100	A109_Unbiased	1.308	1.308	0.000
100	A110_Unbiased	1.308	1.308	0.000
100	A111_Unbiased	1.308	1.308	0.000
100	A112_Unbiased	1.343	1.343	0.000
100	A113_Unbiased	1.308	1.308	0.000
100	B27_Unbiased	1.308	1.308	0.000
100	B29_Unbiased	1.343	1.343	0.000
100	B30_Unbiased	1.343	1.343	0.000
100	B31_Unbiased	1.343	1.343	0.000
100	B32_Unbiased	1.343	1.343	0.000
100	B33_Unbiased	1.343	1.343	0.000
100	B34_Unbiased	1.308	1.308	0.000
100	B35_Unbiased	1.343	1.343	0.000
100	C32_Unbiased	1.343	1.343	0.000
100	C33_Unbiased	1.343	1.343	0.000
100	C34_Unbiased	1.343	1.343	0.000
100	C35_Unbiased	1.343	1.343	0.000
100	C36_Unbiased	1.343	1.343	0.000
100	C37_Unbiased	1.343	1.343	0.000
100	C38_Unbiased	1.343	1.343	0.000
	Max	1.343	1.343	0.035
	Average	1.331	1.331	0.000
	Min	1.308	1.308	-0.035
	Std Dev	0.017	0.017	0.005



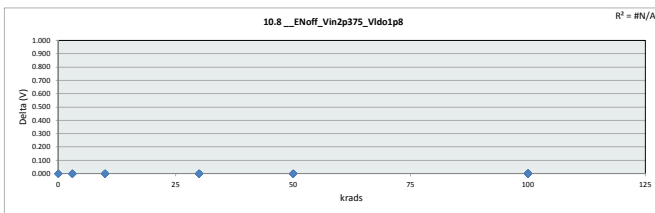
10.7 __ENon_Vin3p0_Vldo2p5			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	1.7	V	
Min Limit	0.3	V	

krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	1.308	1.308	1.343	1.308	1.308	1.308
Average	1.308	1.326	1.343	1.333	1.326	1.332
Max	1.308	1.343	1.343	1.343	1.343	1.343
UL	1.700	1.700	1.700	1.700	1.700	1.700

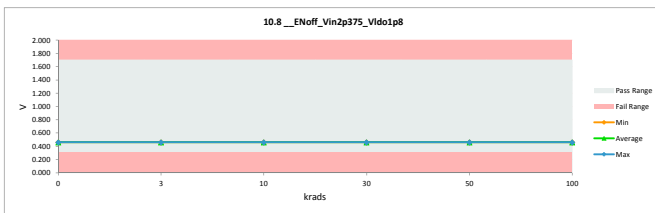


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10.8_ENoff_Vin2p375_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.460	0.460	0.000
3	A79_Biased	0.460	0.460	0.000
3	A80_Biased	0.460	0.460	0.000
3	B1_Biased	0.460	0.460	0.000
3	B2_Biased	0.460	0.460	0.000
3	C1_Biased	0.460	0.460	0.000
3	A82_Unbiased	0.460	0.460	0.000
3	A83_Unbiased	0.460	0.460	0.000
3	B4_Unbiased	0.460	0.460	0.000
3	B5_Unbiased	0.460	0.460	0.000
3	C2_Unbiased	0.460	0.460	0.000
10	A85_Biased	0.460	0.460	0.000
10	A86_Biased	0.460	0.460	0.000
10	B6_Biased	0.460	0.460	0.000
10	C3_Biased	0.460	0.460	0.000
10	C4_Biased	0.460	0.460	0.000
10	A87_Unbiased	0.460	0.460	0.000
10	A88_Unbiased	0.460	0.460	0.000
10	B7_Unbiased	0.460	0.460	0.000
10	C5_Unbiased	0.460	0.460	0.000
10	C6_Unbiased	0.460	0.460	0.000
0	106_Corr	0.460	0.460	0.000
30	A89_Biased	0.460	0.460	0.000
30	B8_Biased	0.460	0.460	0.000
30	B9_Biased	0.460	0.460	0.000
30	C7_Biased	0.460	0.460	0.000
30	C9_Biased	0.460	0.460	0.000
30	A90_Unbiased	0.460	0.460	0.000
30	B10_Unbiased	0.460	0.460	0.000
30	B11_Unbiased	0.460	0.460	0.000
30	C11_Unbiased	0.460	0.460	0.000
30	C12_Unbiased	0.460	0.460	0.000
0	106_Corr	0.460	0.460	0.000
0	15B_Corr	0.460	0.460	0.000
50	A92_Biased	0.460	0.460	0.000
50	A93_Biased	0.460	0.460	0.000
50	B12_Biased	0.460	0.460	0.000
50	B13_Biased	0.460	0.460	0.000
50	C14_Biased	0.460	0.460	0.000
50	A95_Unbiased	0.460	0.460	0.000
50	A96_Unbiased	0.460	0.460	0.000
50	B15_Unbiased	0.460	0.460	0.000
50	B16_Unbiased	0.460	0.460	0.000
50	C15_Unbiased	0.460	0.460	0.000
0	106_Corr	0.460	0.460	0.000
100	A97_Biased	0.460	0.460	0.000
100	A99_Biased	0.460	0.460	0.000
100	A100_Biased	0.460	0.460	0.000
100	A101_Biased	0.460	0.460	0.000
100	A102_Biased	0.460	0.460	0.000
100	A104_Biased	0.460	0.460	0.000
100	A105_Biased	0.460	0.460	0.000
100	B17_Biased	0.460	0.460	0.000
100	B18_Biased	0.460	0.460	0.000
100	B19_Biased	0.460	0.460	0.000
100	B20_Biased	0.460	0.460	0.000
100	B21_Biased	0.460	0.460	0.000
100	B24_Biased	0.460	0.460	0.000
100	B25_Biased	0.460	0.460	0.000
100	B26_Biased	0.460	0.460	0.000
100	C16_Biased	0.460	0.460	0.000
100	C17_Biased	0.460	0.460	0.000
100	C18_Biased	0.460	0.460	0.000
100	C19_Biased	0.460	0.460	0.000
100	C25_Biased	0.460	0.460	0.000
100	C26_Biased	0.460	0.460	0.000
100	C31_Biased	0.460	0.460	0.000
100	A107_Unbiased	0.460	0.460	0.000
100	A108_Unbiased	0.460	0.460	0.000
100	A109_Unbiased	0.460	0.460	0.000
100	A110_Unbiased	0.460	0.460	0.000
100	A111_Unbiased	0.460	0.460	0.000
100	A112_Unbiased	0.460	0.460	0.000
100	A113_Unbiased	0.460	0.460	0.000
100	B27_Unbiased	0.460	0.460	0.000
100	B29_Unbiased	0.460	0.460	0.000
100	B30_Unbiased	0.460	0.460	0.000
100	B31_Unbiased	0.460	0.460	0.000
100	B32_Unbiased	0.460	0.460	0.000
100	B33_Unbiased	0.460	0.460	0.000
100	B34_Unbiased	0.460	0.460	0.000
100	B35_Unbiased	0.460	0.460	0.000
100	C32_Unbiased	0.460	0.460	0.000
100	C33_Unbiased	0.460	0.460	0.000
100	C34_Unbiased	0.460	0.460	0.000
100	C35_Unbiased	0.460	0.460	0.000
100	C36_Unbiased	0.460	0.460	0.000
100	C37_Unbiased	0.460	0.460	0.000
100	C38_Unbiased	0.460	0.460	0.000
	Max	0.460	0.460	0.000
	Average	0.460	0.460	0.000
	Min	0.460	0.460	0.000
	Std Dev	0.000	0.000	0.000

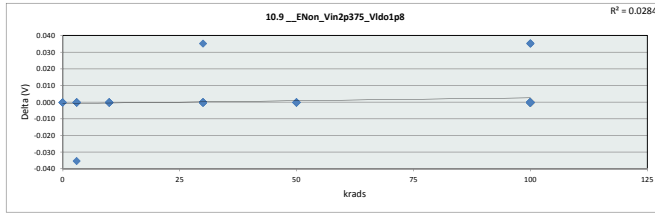


10.8_ENoff_Vin2p375_Vldo1						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
Krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.460	0.460	0.460	0.460	0.460	0.460
Average	0.460	0.460	0.460	0.460	0.460	0.460
Max	0.460	0.460	0.460	0.460	0.460	0.460
UL	1.700	1.700	1.700	1.700	1.700	1.700

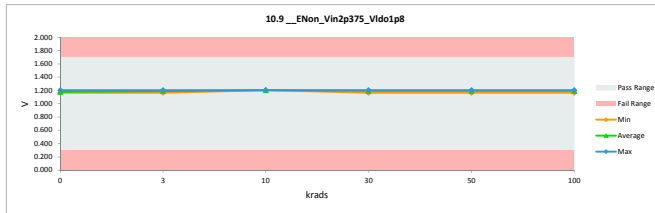


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10.9 _ENon_Vin2p375_Vido1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.202	1.202	0.000
3	A79_Biased	1.202	1.202	0.000
3	A80_Biased	1.202	1.202	0.000
3	B1_Biased	1.202	1.202	0.000
3	B2_Biased	1.167	1.167	0.000
3	C1_Biased	1.202	1.202	0.000
3	A82_Unbiased	1.167	1.167	0.000
3	A83_Unbiased	1.167	1.202	-0.035
3	B4_Unbiased	1.167	1.167	0.000
3	B5_Unbiased	1.202	1.202	0.000
3	C2_Unbiased	1.202	1.202	0.000
10	A85_Biased	1.202	1.202	0.000
10	A86_Biased	1.202	1.202	0.000
10	B6_Biased	1.202	1.202	0.000
10	C3_Biased	1.202	1.202	0.000
10	C4_Biased	1.202	1.202	0.000
10	A87_Unbiased	1.202	1.202	0.000
10	A88_Unbiased	1.202	1.202	0.000
10	B7_Unbiased	1.202	1.202	0.000
10	C5_Unbiased	1.202	1.202	0.000
10	C6_Unbiased	1.202	1.202	0.000
0	106_Corr	1.167	1.167	0.000
30	A89_Biased	1.167	1.167	0.000
30	B8_Biased	1.202	1.202	0.000
30	B9_Biased	1.202	1.202	0.000
30	C7_Biased	1.202	1.202	0.000
30	C9_Biased	1.202	1.202	0.000
30	A90_Unbiased	1.202	1.202	0.000
30	B10_Unbiased	1.202	1.167	0.035
30	B11_Unbiased	1.202	1.202	0.000
30	C11_Unbiased	1.202	1.202	0.000
30	C12_Unbiased	1.202	1.202	0.000
0	106_Corr	1.167	1.167	0.000
0	15B_Corr	1.202	1.202	0.000
50	A92_Biased	1.202	1.202	0.000
50	A93_Biased	1.202	1.202	0.000
50	B12_Biased	1.202	1.202	0.000
50	B13_Biased	1.167	1.167	0.000
50	C14_Biased	1.202	1.202	0.000
50	A95_Unbiased	1.167	1.167	0.000
50	A96_Unbiased	1.202	1.202	0.000
50	B15_Unbiased	1.202	1.202	0.000
50	B16_Unbiased	1.202	1.202	0.000
50	C15_Unbiased	1.202	1.202	0.000
0	106_Corr	1.167	1.167	0.000
100	A97_Biased	1.167	1.167	0.000
100	A99_Biased	1.202	1.202	0.000
100	A100_Biased	1.167	1.167	0.000
100	A101_Biased	1.202	1.202	0.000
100	A102_Biased	1.202	1.202	0.000
100	A104_Biased	1.202	1.202	0.000
100	A105_Biased	1.167	1.167	0.000
100	B17_Biased	1.202	1.202	0.000
100	B18_Biased	1.167	1.167	0.000
100	B19_Biased	1.202	1.202	0.000
100	B20_Biased	1.202	1.202	0.000
100	B21_Biased	1.202	1.202	0.000
100	B24_Biased	1.202	1.202	0.000
100	B25_Biased	1.202	1.202	0.000
100	B26_Biased	1.202	1.202	0.000
100	C16_Biased	1.202	1.202	0.000
100	C17_Biased	1.202	1.202	0.000
100	C18_Biased	1.202	1.202	0.000
100	C19_Biased	1.202	1.202	0.000
100	C25_Biased	1.237	1.202	0.035
100	C26_Biased	1.202	1.202	0.000
100	C31_Biased	1.202	1.202	0.000
100	A107_Unbiased	1.202	1.167	0.035
100	A108_Unbiased	1.202	1.202	0.000
100	A109_Unbiased	1.167	1.167	0.000
100	A110_Unbiased	1.202	1.202	0.000
100	A111_Unbiased	1.202	1.202	0.000
100	A112_Unbiased	1.202	1.202	0.000
100	A113_Unbiased	1.202	1.202	0.000
100	B27_Unbiased	1.202	1.167	0.035
100	B29_Unbiased	1.202	1.202	0.000
100	B30_Unbiased	1.202	1.202	0.000
100	B31_Unbiased	1.202	1.202	0.000
100	B32_Unbiased	1.202	1.202	0.000
100	B33_Unbiased	1.202	1.202	0.000
100	B34_Unbiased	1.167	1.167	0.000
100	B35_Unbiased	1.202	1.202	0.000
100	C32_Unbiased	1.202	1.202	0.000
100	C33_Unbiased	1.202	1.202	0.000
100	C34_Unbiased	1.202	1.202	0.000
100	C35_Unbiased	1.202	1.202	0.000
100	C36_Unbiased	1.202	1.202	0.000
100	C37_Unbiased	1.202	1.202	0.000
100	C38_Unbiased	1.202	1.202	0.000
	Max	1.237	1.202	0.035
	Average	1.196	1.195	0.001
	Min	1.167	1.167	-0.035
	Std Dev	0.014	0.014	0.008

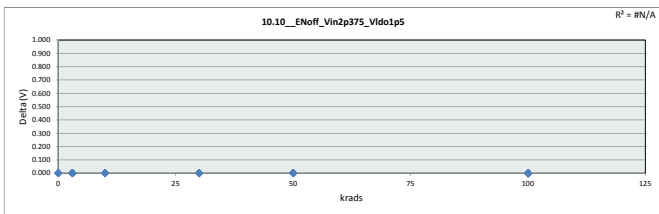


10.9 _ENon_Vin2p375_Vido1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
Krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	1.167	1.167	1.202	1.167	1.167	1.167
Average	1.181	1.191	1.202	1.195	1.195	1.196
Max	1.202	1.202	1.202	1.202	1.202	1.202
UL	1.700	1.700	1.700	1.700	1.700	1.700

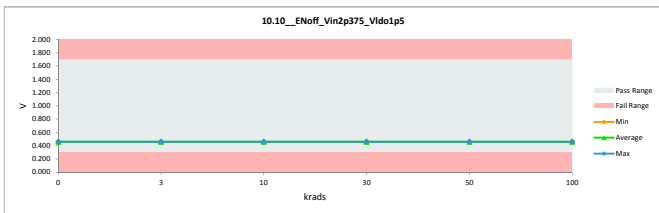


TID 100krad LDR Report
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10.10_Enoff_Vin2p375_Vido1p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.460	0.460	0.000
3	A79_Biased	0.460	0.460	0.000
3	A80_Biased	0.460	0.460	0.000
3	B1_Biased	0.460	0.460	0.000
3	B2_Biased	0.460	0.460	0.000
3	C1_Biased	0.460	0.460	0.000
3	A82_Unbiased	0.460	0.460	0.000
3	A83_Unbiased	0.460	0.460	0.000
3	B4_Unbiased	0.460	0.460	0.000
3	B5_Unbiased	0.460	0.460	0.000
3	C2_Unbiased	0.460	0.460	0.000
10	A85_Biased	0.460	0.460	0.000
10	A86_Biased	0.460	0.460	0.000
10	B6_Biased	0.460	0.460	0.000
10	C3_Biased	0.460	0.460	0.000
10	C4_Biased	0.460	0.460	0.000
10	A87_Unbiased	0.460	0.460	0.000
10	A88_Unbiased	0.460	0.460	0.000
10	B7_Unbiased	0.460	0.460	0.000
10	C5_Unbiased	0.460	0.460	0.000
10	C6_Unbiased	0.460	0.460	0.000
0	106_Corr	0.460	0.460	0.000
30	A89_Biased	0.460	0.460	0.000
30	B8_Biased	0.460	0.460	0.000
30	B9_Biased	0.460	0.460	0.000
30	C7_Biased	0.460	0.460	0.000
30	C9_Biased	0.460	0.460	0.000
30	A90_Unbiased	0.460	0.460	0.000
30	B10_Unbiased	0.460	0.460	0.000
30	B11_Unbiased	0.460	0.460	0.000
30	C11_Unbiased	0.460	0.460	0.000
30	C12_Unbiased	0.460	0.460	0.000
0	106_Corr	0.460	0.460	0.000
0	15B_Corr	0.460	0.460	0.000
50	A92_Biased	0.460	0.460	0.000
50	A93_Biased	0.460	0.460	0.000
50	B12_Biased	0.460	0.460	0.000
50	B13_Biased	0.460	0.460	0.000
50	C14_Biased	0.460	0.460	0.000
50	A95_Unbiased	0.460	0.460	0.000
50	A96_Unbiased	0.460	0.460	0.000
50	B15_Unbiased	0.460	0.460	0.000
50	B16_Unbiased	0.460	0.460	0.000
50	C15_Unbiased	0.460	0.460	0.000
0	106_Corr	0.460	0.460	0.000
100	A97_Biased	0.460	0.460	0.000
100	A99_Biased	0.460	0.460	0.000
100	A100_Biased	0.460	0.460	0.000
100	A101_Biased	0.460	0.460	0.000
100	A102_Biased	0.460	0.460	0.000
100	A104_Biased	0.460	0.460	0.000
100	A105_Biased	0.460	0.460	0.000
100	B17_Biased	0.460	0.460	0.000
100	B18_Biased	0.460	0.460	0.000
100	B19_Biased	0.460	0.460	0.000
100	B20_Biased	0.460	0.460	0.000
100	B21_Biased	0.460	0.460	0.000
100	B24_Biased	0.460	0.460	0.000
100	B25_Biased	0.460	0.460	0.000
100	B26_Biased	0.460	0.460	0.000
100	C16_Biased	0.460	0.460	0.000
100	C17_Biased	0.460	0.460	0.000
100	C18_Biased	0.460	0.460	0.000
100	C19_Biased	0.460	0.460	0.000
100	C25_Biased	0.460	0.460	0.000
100	C26_Biased	0.460	0.460	0.000
100	C31_Biased	0.460	0.460	0.000
100	A107_Unbiased	0.460	0.460	0.000
100	A108_Unbiased	0.460	0.460	0.000
100	A109_Unbiased	0.460	0.460	0.000
100	A110_Unbiased	0.460	0.460	0.000
100	A111_Unbiased	0.460	0.460	0.000
100	A112_Unbiased	0.460	0.460	0.000
100	A113_Unbiased	0.460	0.460	0.000
100	B27_Unbiased	0.460	0.460	0.000
100	B29_Unbiased	0.460	0.460	0.000
100	B30_Unbiased	0.460	0.460	0.000
100	B31_Unbiased	0.460	0.460	0.000
100	B32_Unbiased	0.460	0.460	0.000
100	B33_Unbiased	0.460	0.460	0.000
100	B34_Unbiased	0.460	0.460	0.000
100	B35_Unbiased	0.460	0.460	0.000
100	C32_Unbiased	0.460	0.460	0.000
100	C33_Unbiased	0.460	0.460	0.000
100	C34_Unbiased	0.460	0.460	0.000
100	C35_Unbiased	0.460	0.460	0.000
100	C36_Unbiased	0.460	0.460	0.000
100	C37_Unbiased	0.460	0.460	0.000
100	C38_Unbiased	0.460	0.460	0.000
	Max	0.460	0.460	0.000
	Average	0.460	0.460	0.000
	Min	0.460	0.460	0.000
	Std Dev	0.000	0.000	0.000

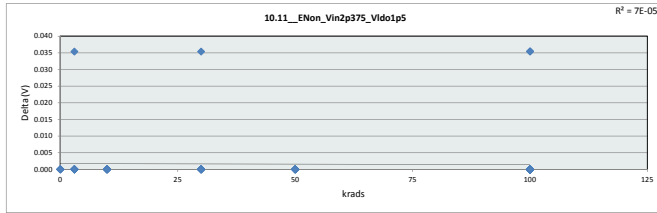


10.10_Enoff_Vin2p375_Vido1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	0.460	0.460	0.460	0.460	0.460	0.460
Average	0.460	0.460	0.460	0.460	0.460	0.460
Max	0.460	0.460	0.460	0.460	0.460	0.460
UL	1.700	1.700	1.700	1.700	1.700	1.700

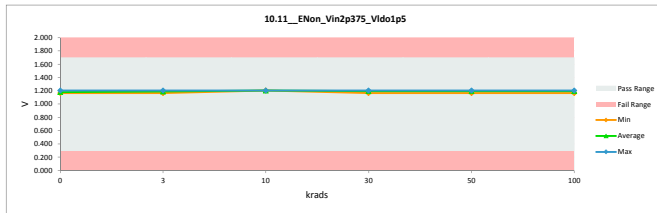


TID 100krad LDR Report
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10.11_ENon_Vin2p375_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.7	1.7		
Min Limit	0.3	0.3		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.202	1.202	0.000
3	A79_Biased	1.202	1.202	0.000
3	A80_Biased	1.202	1.202	0.000
3	B1_Biased	1.202	1.202	0.000
3	B2_Biased	1.167	1.167	0.000
3	C1_Biased	1.202	1.202	0.000
3	A82_Unbiased	1.167	1.167	0.000
3	A83_Unbiased	1.202	1.167	0.035
3	B4_Unbiased	1.167	1.167	0.000
3	B5_Unbiased	1.202	1.202	0.000
3	C2_Unbiased	1.202	1.202	0.000
10	A85_Biased	1.202	1.202	0.000
10	A86_Biased	1.202	1.202	0.000
10	B6_Biased	1.202	1.202	0.000
10	C3_Biased	1.202	1.202	0.000
10	C4_Biased	1.202	1.202	0.000
10	A87_Unbiased	1.202	1.202	0.000
10	A88_Unbiased	1.202	1.202	0.000
10	B7_Unbiased	1.202	1.202	0.000
10	C5_Unbiased	1.202	1.202	0.000
10	C6_Unbiased	1.202	1.202	0.000
0	106_Corr	1.167	1.167	0.000
30	A89_Biased	1.167	1.167	0.000
30	B8_Biased	1.202	1.202	0.000
30	B9_Biased	1.202	1.202	0.000
30	C7_Biased	1.202	1.202	0.000
30	C9_Biased	1.202	1.202	0.000
30	A90_Unbiased	1.202	1.202	0.000
30	B10_Unbiased	1.202	1.167	0.035
30	B11_Unbiased	1.202	1.202	0.000
30	C11_Unbiased	1.202	1.202	0.000
30	C12_Unbiased	1.202	1.202	0.000
0	106_Corr	1.167	1.167	0.000
0	15B_Corr	1.202	1.202	0.000
50	A92_Biased	1.202	1.202	0.000
50	A93_Biased	1.202	1.202	0.000
50	B12_Biased	1.202	1.202	0.000
50	B13_Biased	1.167	1.167	0.000
50	C14_Biased	1.202	1.202	0.000
50	A95_Unbiased	1.167	1.167	0.000
50	A96_Unbiased	1.202	1.202	0.000
50	B15_Unbiased	1.202	1.202	0.000
50	B16_Unbiased	1.202	1.202	0.000
50	C15_Unbiased	1.202	1.202	0.000
0	106_Corr	1.167	1.167	0.000
100	A97_Biased	1.167	1.167	0.000
100	A99_Biased	1.202	1.202	0.000
100	A100_Biased	1.167	1.167	0.000
100	A101_Biased	1.202	1.202	0.000
100	A102_Biased	1.202	1.202	0.000
100	A104_Biased	1.202	1.202	0.000
100	A105_Biased	1.167	1.167	0.000
100	B17_Biased	1.202	1.202	0.000
100	B18_Biased	1.167	1.167	0.000
100	B19_Biased	1.202	1.202	0.000
100	B20_Biased	1.202	1.202	0.000
100	B21_Biased	1.202	1.202	0.000
100	B24_Biased	1.202	1.202	0.000
100	B25_Biased	1.202	1.202	0.000
100	B26_Biased	1.202	1.202	0.000
100	C16_Biased	1.202	1.202	0.000
100	C17_Biased	1.202	1.202	0.000
100	C18_Biased	1.202	1.202	0.000
100	C19_Biased	1.202	1.202	0.000
100	C25_Biased	1.237	1.202	0.035
100	C26_Biased	1.202	1.202	0.000
100	C31_Biased	1.202	1.202	0.000
100	A107_Unbiased	1.167	1.167	0.000
100	A108_Unbiased	1.202	1.202	0.000
100	A109_Unbiased	1.167	1.167	0.000
100	A110_Unbiased	1.202	1.202	0.000
100	A111_Unbiased	1.202	1.202	0.000
100	A112_Unbiased	1.202	1.202	0.000
100	A113_Unbiased	1.202	1.202	0.000
100	B27_Unbiased	1.202	1.167	0.035
100	B29_Unbiased	1.202	1.202	0.000
100	B30_Unbiased	1.202	1.202	0.000
100	B31_Unbiased	1.202	1.202	0.000
100	B32_Unbiased	1.202	1.202	0.000
100	B33_Unbiased	1.202	1.202	0.000
100	B34_Unbiased	1.167	1.167	0.000
100	B35_Unbiased	1.202	1.202	0.000
100	C32_Unbiased	1.202	1.202	0.000
100	C33_Unbiased	1.202	1.202	0.000
100	C34_Unbiased	1.202	1.202	0.000
100	C35_Unbiased	1.202	1.202	0.000
100	C36_Unbiased	1.202	1.202	0.000
100	C37_Unbiased	1.202	1.202	0.000
100	C38_Unbiased	1.202	1.202	0.000
	Max	1.237	1.202	0.035
	Average	1.196	1.194	0.002
	Min	1.167	1.167	0.000
	Std Dev	0.014	0.015	0.007

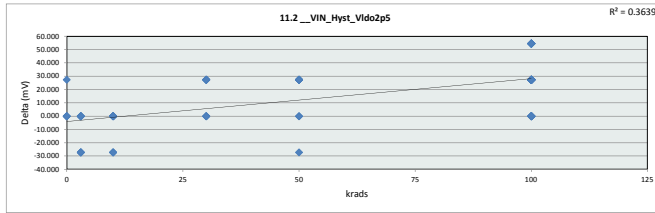


10.11_ENon_Vin2p375_Vldo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.7	V				
Min Limit	0.3	V				
Krads	0	3	10	30	50	100
LL	0.300	0.300	0.300	0.300	0.300	0.300
Min	1.167	1.167	1.202	1.167	1.167	1.167
Average	1.181	1.188	1.202	1.195	1.195	1.196
Max	1.202	1.202	1.202	1.202	1.202	1.202
UL	1.700	1.700	1.700	1.700	1.700	1.700

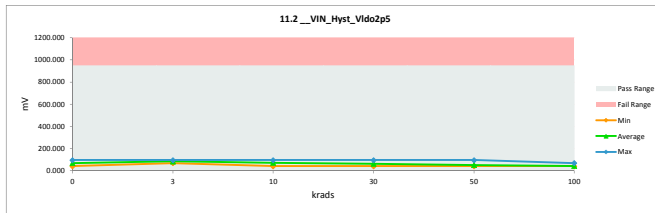


TID 100krad LDR Report
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11.2_VIN_Hyst_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950			
Min Limit	0			
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	95.454	95.454	0.000
3	A79_Biased	68.182	68.182	0.000
3	A80_Biased	68.182	95.454	-27.272
3	B1_Biased	95.454	95.454	0.000
3	B2_Biased	40.909	68.182	-27.273
3	C1_Biased	95.454	95.454	0.000
3	A82_Unbiased	68.182	95.454	-27.272
3	A83_Unbiased	95.454	95.454	0.000
3	B4_Unbiased	68.182	68.182	0.000
3	B5_Unbiased	68.182	95.454	-27.272
3	C2_Unbiased	68.182	68.182	0.000
10	A85_Biased	95.454	95.454	0.000
10	A86_Biased	40.909	40.909	0.000
10	B6_Biased	68.182	95.454	-27.272
10	C3_Biased	68.182	95.454	-27.272
10	C4_Biased	40.909	40.909	0.000
10	A87_Unbiased	40.909	40.909	0.000
10	A88_Unbiased	68.182	68.182	0.000
10	B7_Unbiased	68.182	68.182	0.000
10	C5_Unbiased	68.182	68.182	0.000
10	C6_Unbiased	68.182	95.454	-27.272
0	106_Corr	68.182	68.182	0.000
30	A89_Biased	68.182	68.182	0.000
30	B8_Biased	95.454	68.182	27.272
30	B9_Biased	68.182	40.909	27.273
30	C7_Biased	68.182	40.909	27.273
30	C9_Biased	95.454	95.454	0.000
30	A90_Unbiased	95.454	95.454	0.000
30	B10_Unbiased	68.182	40.909	27.273
30	B11_Unbiased	68.182	68.182	0.000
30	C11_Unbiased	95.454	68.182	27.272
30	C12_Unbiased	68.182	40.909	27.273
0	106_Corr	68.182	68.182	0.000
0	158_Corr	68.182	68.182	0.000
50	A92_Biased	95.454	68.182	27.272
50	A93_Biased	68.182	40.909	27.273
50	B12_Biased	68.182	40.909	27.273
50	B13_Biased	68.182	68.182	0.000
50	C14_Biased	68.182	40.909	27.273
50	A95_Unbiased	68.182	40.909	27.273
50	A96_Unbiased	68.182	40.909	27.273
50	B15_Unbiased	40.909	40.909	0.000
50	B16_Unbiased	68.182	95.454	-27.272
50	C15_Unbiased	68.182	40.909	27.273
0	106_Corr	68.182	40.909	27.273
100	A97_Biased	95.454	40.909	54.545
100	A99_Biased	95.454	40.909	54.545
100	A100_Biased	68.182	40.909	27.273
100	A101_Biased	95.454	40.909	54.545
100	A102_Biased	68.182	68.182	0.000
100	A104_Biased	40.909	40.909	0.000
100	A105_Biased	40.909	40.909	0.000
100	B17_Biased	95.454	40.909	54.545
100	B18_Biased	68.182	40.909	27.273
100	B19_Biased	68.182	40.909	27.273
100	B20_Biased	95.454	40.909	54.545
100	B21_Biased	68.182	40.909	27.273
100	B24_Biased	40.909	40.909	0.000
100	B25_Biased	68.182	40.909	27.273
100	B26_Biased	40.909	40.909	0.000
100	C16_Biased	68.182	40.909	27.273
100	C17_Biased	68.182	40.909	27.273
100	C18_Biased	68.182	40.909	27.273
100	C19_Biased	68.182	68.182	0.000
100	C25_Biased	68.182	40.909	27.273
100	C26_Biased	68.182	40.909	27.273
100	C31_Biased	95.454	40.909	54.545
100	A107_Unbiased	68.182	40.909	27.273
100	A108_Unbiased	95.454	40.909	54.545
100	A109_Unbiased	68.182	40.909	27.273
100	A110_Unbiased	68.182	40.909	27.273
100	A111_Unbiased	95.454	40.909	54.545
100	A112_Unbiased	68.182	40.909	27.273
100	A113_Unbiased	68.182	40.909	27.273
100	B27_Unbiased	40.909	40.909	0.000
100	B29_Unbiased	40.909	40.909	0.000
100	B30_Unbiased	68.182	40.909	27.273
100	B31_Unbiased	68.182	40.909	27.273
100	B32_Unbiased	68.182	40.909	27.273
100	B33_Unbiased	40.909	40.909	0.000
100	B34_Unbiased	40.909	40.909	0.000
100	B35_Unbiased	68.182	40.909	27.273
100	C32_Unbiased	68.182	40.909	27.273
100	C33_Unbiased	68.182	40.909	27.273
100	C34_Unbiased	95.454	40.909	54.545
100	C35_Unbiased	95.454	40.909	54.545
100	C36_Unbiased	40.909	40.909	0.000
100	C37_Unbiased	95.454	40.909	54.545
100	C38_Unbiased	68.182	40.909	27.273
	Max	95.454	95.454	54.545
	Average	70.327	55.005	15.322
	Min	40.909	40.909	-27.273
	Std Dev	17.064	20.604	22.503

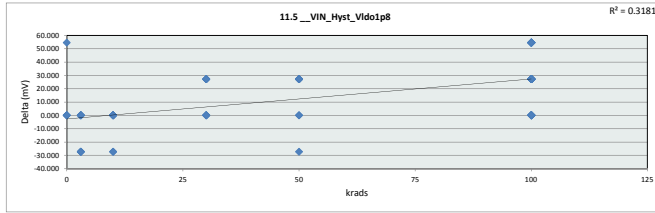


11.2_VIN_Hyst_Vldo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	40.909	68.182	40.909	40.909	40.909	40.909
Average	68.182	84.545	70.909	62.727	51.818	42.149
Max	95.454	95.454	95.454	95.454	95.454	68.182
UL	950.000	950.000	950.000	950.000	950.000	950.000

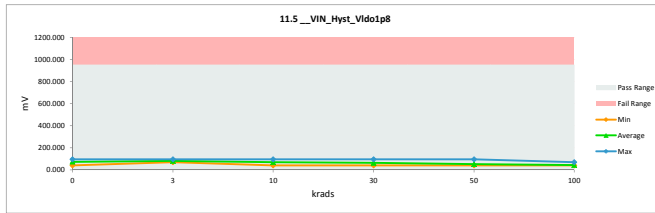


TID 100krad LDR Report
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11.5_VIN_Hyst_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950			
Min Limit	0			
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	95.454	95.454	0.000
3	A79_Biased	68.182	68.182	0.000
3	A80_Unbiased	68.182	95.454	-27.272
3	B1_Biased	68.182	95.454	-27.272
3	B2_Biased	40.909	68.182	-27.273
3	C1_Biased	95.454	95.454	0.000
3	A82_Unbiased	68.182	68.182	0.000
3	A83_Unbiased	95.454	95.454	0.000
3	B4_Unbiased	68.182	68.182	0.000
3	B5_Unbiased	68.182	95.454	-27.272
3	C2_Unbiased	68.182	68.182	0.000
10	A85_Biased	95.454	95.454	0.000
10	A86_Biased	40.909	40.909	0.000
10	B6_Biased	68.182	68.182	0.000
10	C3_Biased	68.182	95.454	-27.272
10	C4_Biased	40.909	40.909	0.000
10	A87_Unbiased	40.909	40.909	0.000
10	A88_Unbiased	68.182	68.182	0.000
10	B7_Unbiased	68.182	68.182	0.000
10	C5_Unbiased	68.182	68.182	0.000
10	C6_Unbiased	68.182	95.454	-27.272
0	106_Corr	95.454	95.454	0.000
30	A89_Biased	68.182	68.182	0.000
30	B8_Biased	95.454	68.182	27.272
30	B9_Biased	68.182	40.909	27.273
30	C7_Biased	68.182	40.909	27.273
30	C9_Biased	95.454	95.454	0.000
30	A90_Unbiased	95.454	95.454	0.000
30	B10_Unbiased	68.182	40.909	27.273
30	B11_Unbiased	68.182	68.182	0.000
30	C11_Unbiased	68.182	68.182	0.000
30	C12_Unbiased	68.182	40.909	27.273
0	106_Corr	68.182	68.182	0.000
0	15B_Corr	68.182	68.182	0.000
50	A92_Biased	95.454	68.182	27.272
50	A93_Biased	68.182	40.909	27.273
50	B12_Biased	68.182	40.909	27.273
50	B13_Biased	68.182	68.182	0.000
50	C14_Biased	68.182	40.909	27.273
50	A95_Unbiased	68.182	40.909	27.273
50	A96_Unbiased	68.182	40.909	27.273
50	B15_Unbiased	40.909	40.909	0.000
50	B16_Unbiased	68.182	95.454	-27.272
50	C15_Unbiased	68.182	40.909	27.273
0	106_Corr	95.454	40.909	54.545
100	A97_Biased	95.454	40.909	54.545
100	A99_Biased	95.454	40.909	54.545
100	A100_Biased	68.182	40.909	27.273
100	A101_Biased	95.454	40.909	54.545
100	A102_Biased	68.182	68.182	0.000
100	A104_Biased	40.909	40.909	0.000
100	A105_Biased	40.909	40.909	0.000
100	B17_Biased	95.454	40.909	54.545
100	B18_Biased	68.182	40.909	27.273
100	B19_Biased	95.454	40.909	54.545
100	B20_Biased	95.454	40.909	54.545
100	B21_Biased	68.182	40.909	27.273
100	B24_Biased	40.909	40.909	0.000
100	B25_Biased	68.182	40.909	27.273
100	B26_Biased	40.909	40.909	0.000
100	C16_Biased	68.182	40.909	27.273
100	C17_Biased	68.182	68.182	0.000
100	C18_Biased	68.182	40.909	27.273
100	C19_Biased	95.454	40.909	54.545
100	C25_Biased	68.182	40.909	27.273
100	C26_Biased	68.182	40.909	27.273
100	C31_Biased	95.454	40.909	54.545
100	A107_Unbiased	68.182	40.909	27.273
100	A108_Unbiased	95.454	40.909	54.545
100	A109_Unbiased	68.182	40.909	27.273
100	A110_Unbiased	40.909	40.909	0.000
100	A111_Unbiased	95.454	40.909	54.545
100	A112_Unbiased	68.182	40.909	27.273
100	A113_Unbiased	68.182	40.909	27.273
100	B27_Unbiased	40.909	40.909	0.000
100	B29_Unbiased	40.909	40.909	0.000
100	B30_Unbiased	68.182	40.909	27.273
100	B31_Unbiased	68.182	40.909	27.273
100	B32_Unbiased	68.182	40.909	27.273
100	B33_Unbiased	40.909	40.909	0.000
100	B34_Unbiased	40.909	40.909	0.000
100	B35_Unbiased	68.182	40.909	27.273
100	C32_Unbiased	68.182	40.909	27.273
100	C33_Unbiased	68.182	40.909	27.273
100	C34_Unbiased	95.454	40.909	54.545
100	C35_Unbiased	68.182	40.909	27.273
100	C36_Unbiased	40.909	40.909	0.000
100	C37_Unbiased	68.182	40.909	27.273
100	C38_Unbiased	68.182	40.909	27.273
	Max	95.454	95.454	54.545
	Average	70.020	54.492	15.322
	Min	40.909	40.909	-27.273
	Std Dev	17.345	20.194	22.503

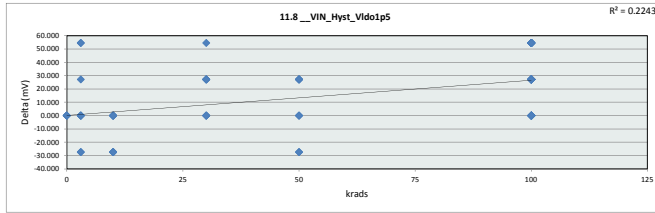


11.5_VIN_Hyst_Vldo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	40.909	68.182	40.909	40.909	40.909	40.909
Average	73.636	81.818	68.182	62.727	51.818	42.149
Max	95.454	95.454	95.454	95.454	95.454	68.182
UL	950.000	950.000	950.000	950.000	950.000	950.000

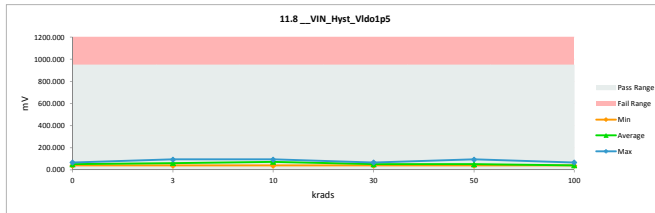


TID 100krad LDR Report
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11.8_VIN_Hyst_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950			
Min Limit	0			
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	40.909	40.909	0.000
3	A79_Biased	68.182	68.182	0.000
3	A80_Biased	95.454	40.909	54.545
3	B1_Biased	95.454	95.454	0.000
3	B2_Biased	40.909	68.182	-27.273
3	C1_Biased	40.909	40.909	0.000
3	A82_Unbiased	68.182	95.454	-27.272
3	A83_Unbiased	95.454	40.909	54.545
3	B4_Unbiased	68.182	68.182	0.000
3	B5_Unbiased	68.182	40.909	27.273
3	C2_Unbiased	68.182	68.182	0.000
10	A85_Biased	95.454	95.454	0.000
10	A86_Biased	40.909	40.909	0.000
10	B6_Biased	68.182	95.454	-27.272
10	C3_Biased	68.182	95.454	-27.272
10	C4_Biased	40.909	40.909	0.000
10	A87_Unbiased	40.909	40.909	0.000
10	A88_Unbiased	68.182	68.182	0.000
10	B7_Unbiased	68.182	95.454	-27.272
10	C5_Unbiased	68.182	68.182	0.000
10	C6_Unbiased	68.182	95.454	-27.272
0	106_Corr	40.909	40.909	0.000
30	A89_Biased	68.182	68.182	0.000
30	B8_Biased	95.454	68.182	27.272
30	B9_Biased	68.182	40.909	27.273
30	C7_Biased	68.182	40.909	27.273
30	C9_Biased	95.454	40.909	54.545
30	A90_Unbiased	40.909	40.909	0.000
30	B10_Unbiased	68.182	40.909	27.273
30	B11_Unbiased	68.182	68.182	0.000
30	C11_Unbiased	68.182	68.182	0.000
30	C12_Unbiased	68.182	40.909	27.273
0	106_Corr	68.182	68.182	0.000
0	15B_Corr	68.182	68.182	0.000
50	A92_Biased	40.909	68.182	-27.273
50	A93_Biased	68.182	40.909	27.273
50	B12_Biased	68.182	40.909	27.273
50	B13_Biased	68.182	68.182	0.000
50	C14_Biased	68.182	40.909	27.273
50	A95_Unbiased	68.182	40.909	27.273
50	A96_Unbiased	40.909	40.909	0.000
50	B15_Unbiased	40.909	40.909	0.000
50	B16_Unbiased	68.182	95.454	-27.272
50	C15_Unbiased	68.182	40.909	27.273
0	106_Corr	40.909	40.909	0.000
100	A97_Biased	95.454	40.909	54.545
100	A99_Biased	95.454	40.909	54.545
100	A100_Biased	68.182	40.909	27.273
100	A101_Biased	95.454	40.909	54.545
100	A102_Biased	68.182	68.182	0.000
100	A104_Biased	40.909	40.909	0.000
100	A105_Biased	40.909	40.909	0.000
100	B17_Biased	95.454	40.909	54.545
100	B18_Biased	68.182	40.909	27.273
100	B19_Biased	68.182	40.909	27.273
100	B20_Biased	95.454	40.909	54.545
100	B21_Biased	68.182	40.909	27.273
100	B24_Biased	40.909	40.909	0.000
100	B25_Biased	68.182	40.909	27.273
100	B26_Biased	40.909	40.909	0.000
100	C16_Biased	68.182	40.909	27.273
100	C17_Biased	68.182	68.182	0.000
100	C18_Biased	68.182	40.909	27.273
100	C19_Biased	95.454	40.909	54.545
100	C25_Biased	68.182	40.909	27.273
100	C26_Biased	68.182	40.909	27.273
100	C31_Biased	95.454	40.909	54.545
100	A107_Unbiased	68.182	40.909	27.273
100	A108_Unbiased	95.454	40.909	54.545
100	A109_Unbiased	68.182	40.909	27.273
100	A110_Unbiased	40.909	40.909	0.000
100	A111_Unbiased	95.454	40.909	54.545
100	A112_Unbiased	68.182	40.909	27.273
100	A113_Unbiased	68.182	40.909	27.273
100	B27_Unbiased	40.909	40.909	0.000
100	B29_Unbiased	40.909	40.909	0.000
100	B30_Unbiased	68.182	40.909	27.273
100	B31_Unbiased	68.182	40.909	27.273
100	B32_Unbiased	68.182	40.909	27.273
100	B33_Unbiased	40.909	40.909	0.000
100	B34_Unbiased	40.909	40.909	0.000
100	B35_Unbiased	68.182	40.909	27.273
100	C32_Unbiased	68.182	40.909	27.273
100	C33_Unbiased	68.182	40.909	27.273
100	C34_Unbiased	95.454	40.909	54.545
100	C35_Unbiased	95.454	40.909	54.545
100	C36_Unbiased	40.909	40.909	0.000
100	C37_Unbiased	68.182	40.909	27.273
100	C38_Unbiased	68.182	40.909	27.273
	Max	95.454	95.454	54.545
	Average	66.650	50.715	15.935
	Min	40.909	40.909	-27.273
	Std Dev	18.090	17.563	23.550

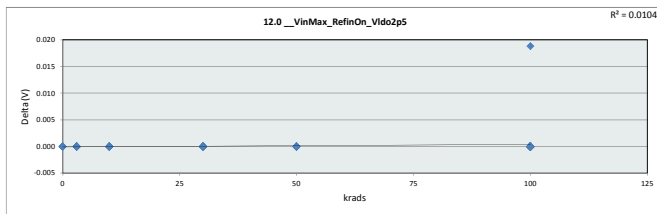


11.8_VIN_Hyst_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	40.909	40.909	40.909	40.909	40.909	40.909
Average	51.818	62.727	73.636	51.818	51.818	42.149
Max	68.182	95.454	95.454	68.182	95.454	68.182
UL	950.000	950.000	950.000	950.000	950.000	950.000

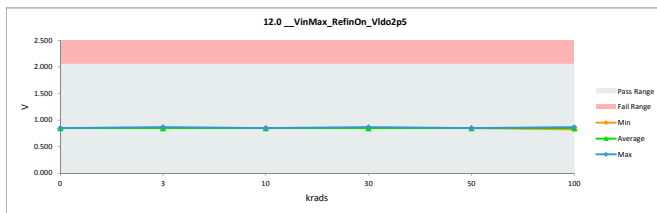


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12.0_VinMax_RefinOn_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.05	2.05		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.846	0.846	0.000
3	A79_Biased	0.846	0.846	0.000
3	A80_Biased	0.846	0.846	0.000
3	B1_Biased	0.846	0.846	0.000
3	B2_Biased	0.846	0.846	0.000
3	C1_Biased	0.846	0.846	0.000
3	A82_Unbiased	0.846	0.846	0.000
3	A83_Unbiased	0.846	0.846	0.000
3	B4_Unbiased	0.846	0.846	0.000
3	B5_Unbiased	0.846	0.846	0.000
3	C2_Unbiased	0.846	0.846	0.000
10	A85_Biased	0.846	0.846	0.000
10	A86_Biased	0.846	0.846	0.000
10	B6_Biased	0.846	0.846	0.000
10	C3_Biased	0.846	0.846	0.000
10	C4_Biased	0.846	0.846	0.000
10	A87_Unbiased	0.846	0.846	0.000
10	A88_Unbiased	0.846	0.846	0.000
10	B7_Unbiased	0.846	0.846	0.000
10	C5_Unbiased	0.846	0.846	0.000
10	C6_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
30	A89_Biased	0.846	0.846	0.000
30	B8_Biased	0.846	0.846	0.000
30	B9_Biased	0.846	0.846	0.000
30	C7_Biased	0.846	0.846	0.000
30	C9_Biased	0.846	0.846	0.000
30	A90_Unbiased	0.846	0.846	0.000
30	B10_Unbiased	0.846	0.846	0.000
30	B11_Unbiased	0.846	0.846	0.000
30	C11_Unbiased	0.846	0.846	0.000
30	C12_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
0	15B_Corr	0.846	0.846	0.000
50	A92_Biased	0.846	0.846	0.000
50	A93_Biased	0.846	0.846	0.000
50	B12_Biased	0.846	0.846	0.000
50	B13_Biased	0.846	0.846	0.000
50	C14_Biased	0.846	0.846	0.000
50	A95_Unbiased	0.846	0.846	0.000
50	A96_Unbiased	0.846	0.846	0.000
50	B15_Unbiased	0.846	0.846	0.000
50	B16_Unbiased	0.846	0.846	0.000
50	C15_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
100	A97_Biased	0.846	0.846	0.000
100	A99_Biased	0.846	0.846	0.000
100	A100_Biased	0.846	0.846	0.000
100	A101_Biased	0.846	0.846	0.000
100	A102_Biased	0.846	0.846	0.000
100	A104_Biased	0.846	0.846	0.000
100	A105_Biased	0.846	0.846	0.000
100	B17_Biased	0.846	0.846	0.000
100	B18_Biased	0.846	0.846	0.000
100	B19_Biased	0.846	0.846	0.000
100	B20_Biased	0.846	0.846	0.000
100	B21_Biased	0.846	0.846	0.000
100	B24_Biased	0.846	0.846	0.000
100	B25_Biased	0.846	0.846	0.000
100	B26_Biased	0.846	0.846	0.000
100	C16_Biased	0.846	0.846	0.000
100	C17_Biased	0.846	0.846	0.000
100	C18_Biased	0.846	0.846	0.000
100	C19_Biased	0.846	0.846	0.000
100	C25_Biased	0.846	0.846	0.000
100	C26_Biased	0.846	0.846	0.000
100	C31_Biased	0.846	0.846	0.000
100	A107_Unbiased	0.846	0.846	0.000
100	A108_Unbiased	0.846	0.846	0.000
100	A109_Unbiased	0.846	0.846	0.000
100	A110_Unbiased	0.846	0.846	0.000
100	A111_Unbiased	0.846	0.846	0.000
100	A112_Unbiased	0.846	0.846	0.000
100	A113_Unbiased	0.846	0.846	0.000
100	B27_Unbiased	0.846	0.827	0.019
100	B29_Unbiased	0.846	0.846	0.000
100	B30_Unbiased	0.846	0.846	0.000
100	B31_Unbiased	0.846	0.846	0.000
100	B32_Unbiased	0.846	0.846	0.000
100	B33_Unbiased	0.846	0.846	0.000
100	B34_Unbiased	0.846	0.846	0.000
100	B35_Unbiased	0.846	0.846	0.000
100	C32_Unbiased	0.846	0.846	0.000
100	C33_Unbiased	0.846	0.846	0.000
100	C34_Unbiased	0.846	0.846	0.000
100	C35_Unbiased	0.846	0.846	0.000
100	C36_Unbiased	0.864	0.864	0.000
100	C37_Unbiased	0.864	0.864	0.000
100	C38_Unbiased	0.846	0.846	0.000
	Max	0.864	0.864	0.019
	Average	0.847	0.847	0.000
	Min	0.846	0.827	0.000
	Std Dev	0.005	0.005	0.002

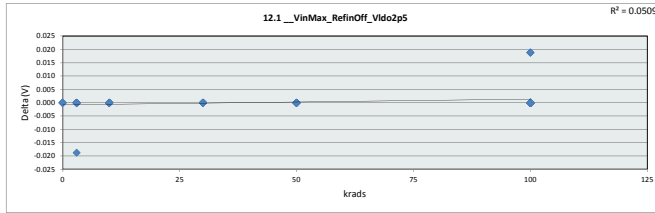


12.0_VinMax_RefinOn_Vldo2						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.05	V				
Min Limit	0	V				
krads	LL	Min	Average	Max	UL	Delta
0	0.000	0.846	0.846	0.846	2.050	0.000
3	0.000	0.846	0.847	0.846	2.050	0.000
10	0.000	0.846	0.846	0.846	2.050	0.000
30	0.000	0.846	0.847	0.846	2.050	0.000
50	0.000	0.846	0.846	0.846	2.050	0.000
100	0.000	0.827	0.847	0.864	2.050	0.019

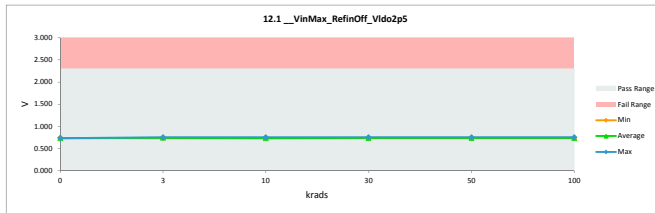


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12.1_VinMax_RefinOff_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.3	2.3		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.733	0.733	0.000
3	A79_Biased	0.733	0.733	0.000
3	A80_Biased	0.733	0.733	0.000
3	B1_Biased	0.733	0.752	-0.019
3	B2_Biased	0.752	0.752	0.000
3	C1_Biased	0.752	0.752	0.000
3	A82_Unbiased	0.733	0.733	0.000
3	A83_Unbiased	0.752	0.752	0.000
3	B4_Unbiased	0.733	0.733	0.000
3	B5_Unbiased	0.733	0.733	0.000
3	C2_Unbiased	0.733	0.733	0.000
10	A85_Biased	0.733	0.733	0.000
10	A86_Biased	0.733	0.733	0.000
10	B6_Biased	0.733	0.733	0.000
10	C3_Biased	0.752	0.752	0.000
10	C4_Biased	0.733	0.733	0.000
10	A87_Unbiased	0.733	0.733	0.000
10	A88_Unbiased	0.733	0.733	0.000
10	B7_Unbiased	0.733	0.733	0.000
10	C5_Unbiased	0.733	0.733	0.000
10	C6_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
30	A89_Biased	0.733	0.733	0.000
30	B8_Biased	0.752	0.752	0.000
30	B9_Biased	0.733	0.733	0.000
30	C7_Biased	0.733	0.733	0.000
30	C9_Biased	0.733	0.733	0.000
30	A90_Unbiased	0.733	0.733	0.000
30	B10_Unbiased	0.733	0.733	0.000
30	B11_Unbiased	0.733	0.733	0.000
30	C11_Unbiased	0.752	0.752	0.000
30	C12_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
0	15B_Corr	0.733	0.733	0.000
50	A92_Biased	0.733	0.733	0.000
50	A93_Biased	0.733	0.733	0.000
50	B12_Biased	0.733	0.733	0.000
50	B13_Biased	0.752	0.752	0.000
50	C14_Biased	0.733	0.733	0.000
50	A95_Unbiased	0.733	0.733	0.000
50	A96_Unbiased	0.733	0.733	0.000
50	B15_Unbiased	0.733	0.733	0.000
50	B16_Unbiased	0.752	0.752	0.000
50	C15_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
100	A97_Biased	0.733	0.733	0.000
100	A99_Biased	0.733	0.733	0.000
100	A100_Biased	0.733	0.733	0.000
100	A101_Biased	0.752	0.752	0.000
100	A102_Biased	0.733	0.733	0.000
100	A104_Biased	0.733	0.733	0.000
100	A105_Biased	0.733	0.733	0.000
100	B17_Biased	0.752	0.752	0.000
100	B18_Biased	0.752	0.752	0.000
100	B19_Biased	0.752	0.752	0.000
100	B20_Biased	0.733	0.733	0.000
100	B21_Biased	0.733	0.733	0.000
100	B24_Biased	0.752	0.733	0.019
100	B25_Biased	0.752	0.752	0.000
100	B26_Biased	0.752	0.752	0.000
100	C16_Biased	0.733	0.733	0.000
100	C17_Biased	0.733	0.733	0.000
100	C18_Biased	0.752	0.752	0.000
100	C19_Biased	0.733	0.733	0.000
100	C25_Biased	0.733	0.733	0.000
100	C26_Biased	0.733	0.733	0.000
100	C31_Biased	0.733	0.733	0.000
100	A107_Unbiased	0.752	0.733	0.019
100	A108_Unbiased	0.733	0.733	0.000
100	A109_Unbiased	0.733	0.733	0.000
100	A110_Unbiased	0.733	0.733	0.000
100	A111_Unbiased	0.752	0.752	0.000
100	A112_Unbiased	0.733	0.733	0.000
100	A113_Unbiased	0.733	0.733	0.000
100	B27_Unbiased	0.733	0.733	0.000
100	B29_Unbiased	0.752	0.752	0.000
100	B30_Unbiased	0.733	0.733	0.000
100	B31_Unbiased	0.733	0.733	0.000
100	B32_Unbiased	0.733	0.733	0.000
100	B33_Unbiased	0.733	0.733	0.000
100	B34_Unbiased	0.733	0.733	0.000
100	B35_Unbiased	0.733	0.733	0.000
100	C32_Unbiased	0.733	0.733	0.000
100	C33_Unbiased	0.733	0.733	0.000
100	C34_Unbiased	0.733	0.733	0.000
100	C35_Unbiased	0.733	0.733	0.000
100	C36_Unbiased	0.752	0.752	0.000
100	C37_Unbiased	0.752	0.752	0.000
100	C38_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.737	0.737	0.000
	Min	0.733	0.733	-0.019
	Std Dev	0.008	0.008	0.004

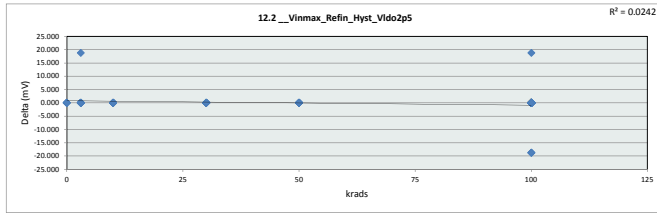


12.1_VinMax_RefinOff_Vldo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	2.3	V				
Min Limit	0	V				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.733	0.733	0.733	0.733	0.733	0.733
Average	0.733	0.740	0.735	0.737	0.737	0.737
Max	0.733	0.752	0.752	0.752	0.752	0.752
UL	2.300	2.300	2.300	2.300	2.300	2.300

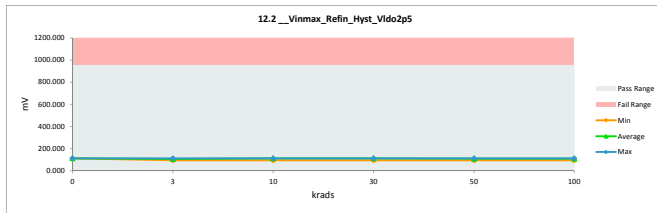


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12.2_Vinmax_Refin_Hyst_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	112.752	112.752	0.000
3	A79_Biased	112.752	112.752	0.000
3	A80_Biased	112.752	112.752	0.000
3	B1_Biased	112.752	93.960	18.792
3	B2_Biased	93.960	93.960	0.000
3	C1_Biased	93.960	93.960	0.000
3	A82_Unbiased	112.752	112.752	0.000
3	A83_Unbiased	112.752	112.752	0.000
3	B4_Unbiased	112.752	112.752	0.000
3	B5_Unbiased	112.752	112.752	0.000
3	C2_Unbiased	112.752	112.752	0.000
10	A85_Biased	112.752	112.752	0.000
10	A86_Biased	112.752	112.752	0.000
10	B6_Biased	112.752	112.752	0.000
10	C3_Biased	93.960	93.960	0.000
10	C4_Biased	112.752	112.752	0.000
10	A87_Unbiased	112.752	112.752	0.000
10	A88_Unbiased	112.752	112.752	0.000
10	B7_Unbiased	112.752	112.752	0.000
10	C5_Unbiased	112.752	112.752	0.000
10	C6_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
30	A89_Biased	112.752	112.752	0.000
30	B8_Biased	93.960	93.960	0.000
30	B9_Biased	112.752	112.752	0.000
30	C7_Biased	112.752	112.752	0.000
30	C9_Biased	112.752	112.752	0.000
30	A90_Unbiased	112.752	112.752	0.000
30	B10_Unbiased	112.752	112.752	0.000
30	B11_Unbiased	112.752	112.752	0.000
30	C11_Unbiased	112.752	112.752	0.000
30	C12_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
0	15B_Corr	112.752	112.752	0.000
50	A92_Biased	112.752	112.752	0.000
50	A93_Biased	112.752	112.752	0.000
50	B12_Biased	112.752	112.752	0.000
50	B13_Biased	93.960	93.960	0.000
50	C14_Biased	112.752	112.752	0.000
50	A95_Unbiased	112.752	112.752	0.000
50	A96_Unbiased	112.752	112.752	0.000
50	B15_Unbiased	112.752	112.752	0.000
50	B16_Unbiased	93.960	93.960	0.000
50	C15_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
100	A97_Biased	112.752	112.752	0.000
100	A99_Biased	112.752	112.752	0.000
100	A100_Biased	112.752	112.752	0.000
100	A101_Biased	93.960	112.752	-18.792
100	A102_Biased	112.752	112.752	0.000
100	A104_Biased	112.752	112.752	0.000
100	A105_Biased	112.752	112.752	0.000
100	B17_Biased	93.960	93.960	0.000
100	B18_Biased	93.960	93.960	0.000
100	B19_Biased	93.960	93.960	0.000
100	B20_Biased	112.752	112.752	0.000
100	B21_Biased	112.752	112.752	0.000
100	B24_Biased	93.960	112.752	-18.792
100	B25_Biased	112.752	112.752	0.000
100	B26_Biased	93.960	93.960	0.000
100	C16_Biased	112.752	112.752	0.000
100	C17_Biased	112.752	112.752	0.000
100	C18_Biased	112.752	112.752	0.000
100	C19_Biased	112.752	112.752	0.000
100	C25_Biased	112.752	112.752	0.000
100	C26_Biased	112.752	112.752	0.000
100	C31_Biased	112.752	112.752	0.000
100	A107_Unbiased	93.960	112.752	-18.792
100	A108_Unbiased	112.752	112.752	0.000
100	A109_Unbiased	112.752	112.752	0.000
100	A110_Unbiased	112.752	112.752	0.000
100	A111_Unbiased	93.960	93.960	0.000
100	A112_Unbiased	112.752	112.752	0.000
100	A113_Unbiased	112.752	112.752	0.000
100	B27_Unbiased	112.752	93.960	18.792
100	B29_Unbiased	93.960	93.960	0.000
100	B30_Unbiased	112.752	112.752	0.000
100	B31_Unbiased	112.752	112.752	0.000
100	B32_Unbiased	112.752	112.752	0.000
100	B33_Unbiased	112.752	112.752	0.000
100	B34_Unbiased	112.752	112.752	0.000
100	B35_Unbiased	112.752	112.752	0.000
100	C32_Unbiased	112.752	112.752	0.000
100	C33_Unbiased	112.752	112.752	0.000
100	C34_Unbiased	112.752	112.752	0.000
100	C35_Unbiased	112.752	112.752	0.000
100	C36_Unbiased	112.752	112.752	0.000
100	C37_Unbiased	112.752	112.752	0.000
100	C38_Unbiased	112.752	112.752	0.000
	Max	112.752	112.752	18.792
	Average	109.585	109.796	-0.211
	Min	93.960	93.960	-18.792
	Std Dev	7.075	6.881	4.474

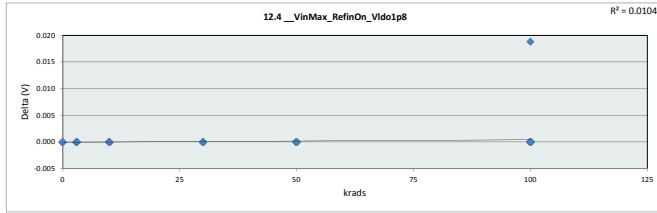


12.2_Vinmax_Refin_Hyst_Vldo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	950 mV					
Min Limit	0 mV					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	112.752	93.960	93.960	93.960	93.960	93.960
Average	112.752	107.114	110.873	110.873	108.994	109.762
Max	112.752	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000	950.000

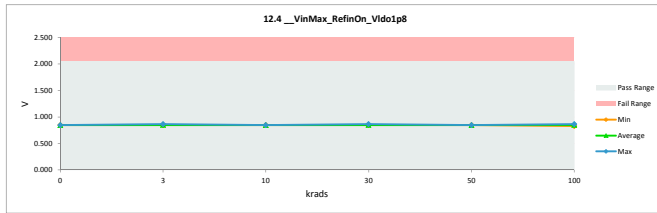


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12.4_VinMax_RefinOn_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.05	2.05		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.846	0.846	0.000
3	A79_Biased	0.846	0.846	0.000
3	A80_Biased	0.846	0.846	0.000
3	B1_Biased	0.846	0.846	0.000
3	B2_Biased	0.846	0.846	0.000
3	C1_Biased	0.846	0.846	0.000
3	A82_Unbiased	0.846	0.846	0.000
3	A83_Unbiased	0.846	0.846	0.000
3	B4_Unbiased	0.846	0.846	0.000
3	B5_Unbiased	0.846	0.846	0.000
3	C2_Unbiased	0.846	0.846	0.000
10	A85_Biased	0.846	0.846	0.000
10	A86_Biased	0.846	0.846	0.000
10	B6_Biased	0.846	0.846	0.000
10	C3_Biased	0.846	0.846	0.000
10	C4_Biased	0.846	0.846	0.000
10	A87_Unbiased	0.846	0.846	0.000
10	A88_Unbiased	0.846	0.846	0.000
10	B7_Unbiased	0.846	0.846	0.000
10	C5_Unbiased	0.846	0.846	0.000
10	C6_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
30	A89_Biased	0.846	0.846	0.000
30	B8_Biased	0.846	0.846	0.000
30	B9_Biased	0.846	0.846	0.000
30	C7_Biased	0.846	0.846	0.000
30	C9_Biased	0.846	0.846	0.000
30	A90_Unbiased	0.846	0.846	0.000
30	B10_Unbiased	0.846	0.846	0.000
30	B11_Unbiased	0.846	0.846	0.000
30	C11_Unbiased	0.846	0.846	0.000
30	C12_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
0	15B_Corr	0.846	0.846	0.000
50	A92_Biased	0.846	0.846	0.000
50	A93_Biased	0.846	0.846	0.000
50	B12_Biased	0.846	0.846	0.000
50	B13_Biased	0.846	0.846	0.000
50	C14_Biased	0.846	0.846	0.000
50	A95_Unbiased	0.846	0.846	0.000
50	A96_Unbiased	0.846	0.846	0.000
50	B15_Unbiased	0.846	0.846	0.000
50	B16_Unbiased	0.846	0.846	0.000
50	C15_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
100	A97_Biased	0.846	0.846	0.000
100	A99_Biased	0.846	0.846	0.000
100	A100_Biased	0.846	0.846	0.000
100	A101_Biased	0.846	0.846	0.000
100	A102_Biased	0.846	0.846	0.000
100	A104_Biased	0.846	0.846	0.000
100	A105_Biased	0.846	0.846	0.000
100	B17_Biased	0.846	0.846	0.000
100	B18_Biased	0.846	0.846	0.000
100	B19_Biased	0.846	0.846	0.000
100	B20_Biased	0.846	0.846	0.000
100	B21_Biased	0.846	0.846	0.000
100	B24_Biased	0.846	0.846	0.000
100	B25_Biased	0.846	0.846	0.000
100	B26_Biased	0.846	0.846	0.000
100	C16_Biased	0.846	0.846	0.000
100	C17_Biased	0.846	0.846	0.000
100	C18_Biased	0.846	0.846	0.000
100	C19_Biased	0.846	0.846	0.000
100	C25_Biased	0.846	0.846	0.000
100	C26_Biased	0.846	0.846	0.000
100	C31_Biased	0.846	0.846	0.000
100	A107_Unbiased	0.846	0.846	0.000
100	A108_Unbiased	0.846	0.846	0.000
100	A109_Unbiased	0.846	0.846	0.000
100	A110_Unbiased	0.846	0.846	0.000
100	A111_Unbiased	0.846	0.846	0.000
100	A112_Unbiased	0.846	0.846	0.000
100	A113_Unbiased	0.846	0.846	0.000
100	B27_Unbiased	0.846	0.827	0.019
100	B29_Unbiased	0.846	0.846	0.000
100	B30_Unbiased	0.846	0.846	0.000
100	B31_Unbiased	0.846	0.846	0.000
100	B32_Unbiased	0.846	0.846	0.000
100	B33_Unbiased	0.846	0.846	0.000
100	B34_Unbiased	0.846	0.846	0.000
100	B35_Unbiased	0.846	0.846	0.000
100	C32_Unbiased	0.846	0.846	0.000
100	C33_Unbiased	0.846	0.846	0.000
100	C34_Unbiased	0.846	0.846	0.000
100	C35_Unbiased	0.846	0.846	0.000
100	C36_Unbiased	0.864	0.864	0.000
100	C37_Unbiased	0.864	0.864	0.000
100	C38_Unbiased	0.846	0.846	0.000
	Max	0.864	0.864	0.019
	Average	0.847	0.847	0.000
	Min	0.846	0.827	0.000
	Std Dev	0.005	0.005	0.002

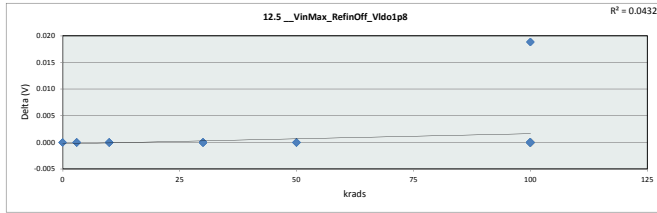


12.4_VinMax_RefinOn_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	2.05	V				
Min Limit	0	V				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.846	0.846	0.846	0.846	0.846	0.827
Average	0.846	0.847	0.846	0.847	0.846	0.847
Max	0.846	0.864	0.846	0.864	0.846	0.864
UL	2.050	2.050	2.050	2.050	2.050	2.050

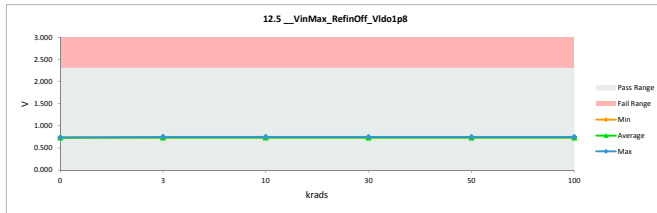


TID 100krad LDR Report
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12.5_VinMax_RefinOff_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.3	2.3		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.733	0.733	0.000
3	A79_Biased	0.733	0.733	0.000
3	A80_Biased	0.733	0.733	0.000
3	B1_Biased	0.733	0.733	0.000
3	B2_Biased	0.752	0.752	0.000
3	C1_Biased	0.752	0.752	0.000
3	A82_Unbiased	0.733	0.733	0.000
3	A83_Unbiased	0.752	0.752	0.000
3	B4_Unbiased	0.733	0.733	0.000
3	B5_Unbiased	0.733	0.733	0.000
3	C2_Unbiased	0.733	0.733	0.000
10	A85_Biased	0.733	0.733	0.000
10	A86_Biased	0.733	0.733	0.000
10	B6_Biased	0.733	0.733	0.000
10	C3_Biased	0.752	0.752	0.000
10	C4_Biased	0.733	0.733	0.000
10	A87_Unbiased	0.733	0.733	0.000
10	A88_Unbiased	0.733	0.733	0.000
10	B7_Unbiased	0.733	0.733	0.000
10	C5_Unbiased	0.733	0.733	0.000
10	C6_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
30	A89_Biased	0.733	0.733	0.000
30	B8_Biased	0.752	0.752	0.000
30	B9_Biased	0.733	0.733	0.000
30	C7_Biased	0.733	0.733	0.000
30	C9_Biased	0.733	0.733	0.000
30	A90_Unbiased	0.733	0.733	0.000
30	B10_Unbiased	0.733	0.733	0.000
30	B11_Unbiased	0.733	0.733	0.000
30	C11_Unbiased	0.752	0.752	0.000
30	C12_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
0	15B_Corr	0.733	0.733	0.000
50	A92_Biased	0.733	0.733	0.000
50	A93_Biased	0.733	0.733	0.000
50	B12_Biased	0.733	0.733	0.000
50	B13_Biased	0.752	0.752	0.000
50	C14_Biased	0.733	0.733	0.000
50	A95_Unbiased	0.733	0.733	0.000
50	A96_Unbiased	0.733	0.733	0.000
50	B15_Unbiased	0.733	0.733	0.000
50	B16_Unbiased	0.752	0.752	0.000
50	C15_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
100	A97_Biased	0.733	0.733	0.000
100	A99_Biased	0.733	0.733	0.000
100	A100_Biased	0.733	0.733	0.000
100	A101_Biased	0.752	0.752	0.000
100	A102_Biased	0.733	0.733	0.000
100	A104_Biased	0.733	0.733	0.000
100	A105_Biased	0.733	0.733	0.000
100	B17_Biased	0.752	0.752	0.000
100	B18_Biased	0.752	0.752	0.000
100	B19_Biased	0.752	0.752	0.000
100	B20_Biased	0.733	0.733	0.000
100	B21_Biased	0.733	0.733	0.000
100	B24_Biased	0.752	0.733	0.019
100	B25_Biased	0.752	0.752	0.000
100	B26_Biased	0.752	0.752	0.000
100	C16_Biased	0.733	0.733	0.000
100	C17_Biased	0.733	0.733	0.000
100	C18_Biased	0.752	0.752	0.000
100	C19_Biased	0.733	0.733	0.000
100	C25_Biased	0.733	0.733	0.000
100	C26_Biased	0.733	0.733	0.000
100	C31_Biased	0.733	0.733	0.000
100	A107_Unbiased	0.752	0.733	0.019
100	A108_Unbiased	0.733	0.733	0.000
100	A109_Unbiased	0.752	0.733	0.019
100	A110_Unbiased	0.733	0.733	0.000
100	A111_Unbiased	0.752	0.752	0.000
100	A112_Unbiased	0.733	0.733	0.000
100	A113_Unbiased	0.733	0.733	0.000
100	B27_Unbiased	0.733	0.733	0.000
100	B29_Unbiased	0.752	0.752	0.000
100	B30_Unbiased	0.733	0.733	0.000
100	B31_Unbiased	0.733	0.733	0.000
100	B32_Unbiased	0.733	0.733	0.000
100	B33_Unbiased	0.733	0.733	0.000
100	B34_Unbiased	0.733	0.733	0.000
100	B35_Unbiased	0.733	0.733	0.000
100	C32_Unbiased	0.733	0.733	0.000
100	C33_Unbiased	0.733	0.733	0.000
100	C34_Unbiased	0.733	0.733	0.000
100	C35_Unbiased	0.733	0.733	0.000
100	C36_Unbiased	0.752	0.752	0.000
100	C37_Unbiased	0.752	0.752	0.000
100	C38_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.736	0.737	0.001
	Min	0.733	0.733	0.000
	Std Dev	0.008	0.008	0.004

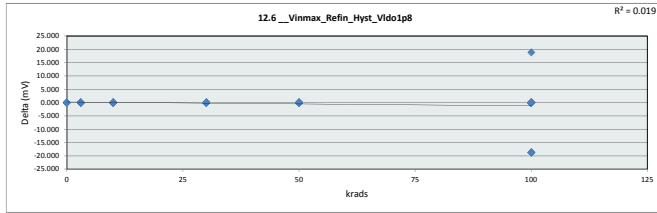


12.5_VinMax_RefinOff_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	2.3	V				
Min Limit	0	V				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.733	0.733	0.733	0.733	0.733	0.733
Average	0.733	0.739	0.735	0.737	0.737	0.737
Max	0.733	0.752	0.752	0.752	0.752	0.752
UL	2.300	2.300	2.300	2.300	2.300	2.300

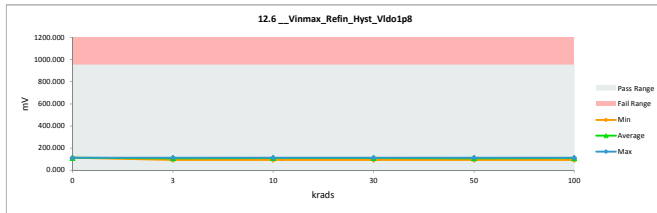


TID 100krad LDR Report
TPS7H3301-SP

12.6_Vinmax_Refin_Hyst_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950			
Min Limit	0			
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	112.752	112.752	0.000
3	A79_Biased	112.752	112.752	0.000
3	A80_Biased	112.752	112.752	0.000
3	B1_Biased	112.752	112.752	0.000
3	B2_Biased	93.960	93.960	0.000
3	C1_Biased	93.960	93.960	0.000
3	A82_Unbiased	112.752	112.752	0.000
3	A83_Unbiased	112.752	112.752	0.000
3	B4_Unbiased	112.752	112.752	0.000
3	B5_Unbiased	112.752	112.752	0.000
3	C2_Unbiased	112.752	112.752	0.000
10	A85_Biased	112.752	112.752	0.000
10	A86_Biased	112.752	112.752	0.000
10	B6_Biased	112.752	112.752	0.000
10	C3_Biased	93.960	93.960	0.000
10	C4_Biased	112.752	112.752	0.000
10	A87_Unbiased	112.752	112.752	0.000
10	A88_Unbiased	112.752	112.752	0.000
10	B7_Unbiased	112.752	112.752	0.000
10	C5_Unbiased	112.752	112.752	0.000
10	C6_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
30	A89_Biased	112.752	112.752	0.000
30	B8_Biased	93.960	93.960	0.000
30	B9_Biased	112.752	112.752	0.000
30	C7_Biased	112.752	112.752	0.000
30	C9_Biased	112.752	112.752	0.000
30	A90_Unbiased	112.752	112.752	0.000
30	B10_Unbiased	112.752	112.752	0.000
30	B11_Unbiased	112.752	112.752	0.000
30	C11_Unbiased	112.752	112.752	0.000
30	C12_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
0	15B_Corr	112.752	112.752	0.000
50	A92_Biased	112.752	112.752	0.000
50	A93_Biased	112.752	112.752	0.000
50	B12_Biased	112.752	112.752	0.000
50	B13_Biased	93.960	93.960	0.000
50	C14_Biased	112.752	112.752	0.000
50	A95_Unbiased	112.752	112.752	0.000
50	A96_Unbiased	112.752	112.752	0.000
50	B15_Unbiased	112.752	112.752	0.000
50	B16_Unbiased	93.960	93.960	0.000
50	C15_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
100	A97_Biased	112.752	112.752	0.000
100	A99_Biased	112.752	112.752	0.000
100	A100_Biased	112.752	112.752	0.000
100	A101_Biased	93.960	112.752	-18.792
100	A102_Biased	112.752	112.752	0.000
100	A104_Biased	112.752	112.752	0.000
100	A105_Biased	112.752	112.752	0.000
100	B17_Biased	93.960	93.960	0.000
100	B18_Biased	93.960	93.960	0.000
100	B19_Biased	93.960	93.960	0.000
100	B20_Biased	112.752	112.752	0.000
100	B21_Biased	112.752	112.752	0.000
100	B24_Biased	93.960	112.752	-18.792
100	B25_Biased	112.752	112.752	0.000
100	B26_Biased	93.960	93.960	0.000
100	C16_Biased	112.752	112.752	0.000
100	C17_Biased	112.752	112.752	0.000
100	C18_Biased	112.752	112.752	0.000
100	C19_Biased	112.752	112.752	0.000
100	C25_Biased	112.752	112.752	0.000
100	C26_Biased	112.752	112.752	0.000
100	C31_Biased	112.752	112.752	0.000
100	A107_Unbiased	93.960	112.752	-18.792
100	A108_Unbiased	112.752	112.752	0.000
100	A109_Unbiased	93.960	112.752	-18.792
100	A110_Unbiased	112.752	112.752	0.000
100	A111_Unbiased	93.960	93.960	0.000
100	A112_Unbiased	112.752	112.752	0.000
100	A113_Unbiased	112.752	112.752	0.000
100	B27_Unbiased	112.752	93.960	18.792
100	B29_Unbiased	93.960	93.960	0.000
100	B30_Unbiased	112.752	112.752	0.000
100	B31_Unbiased	112.752	112.752	0.000
100	B32_Unbiased	112.752	112.752	0.000
100	B33_Unbiased	112.752	112.752	0.000
100	B34_Unbiased	112.752	112.752	0.000
100	B35_Unbiased	112.752	112.752	0.000
100	C32_Unbiased	112.752	112.752	0.000
100	C33_Unbiased	112.752	112.752	0.000
100	C34_Unbiased	112.752	112.752	0.000
100	C35_Unbiased	112.752	112.752	0.000
100	C36_Unbiased	112.752	112.752	0.000
100	C37_Unbiased	112.752	112.752	0.000
100	C38_Unbiased	112.752	112.752	0.000
	Max	112.752	112.752	18.792
	Average	109.374	110.007	-0.633
	Min	93.960	93.960	-18.792
	Std Dev	7.257	6.674	4.434

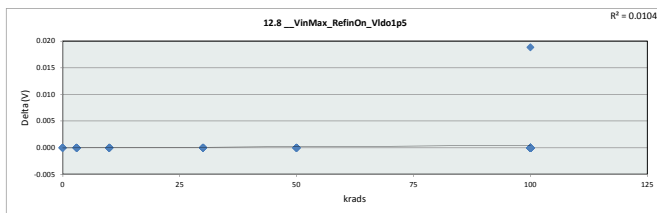


12.6_Vinmax_Refin_Hyst_Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	950					
Min Limit	0					
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	112.752	93.960	93.960	93.960	93.960	93.960
Average	112.752	108.994	110.873	110.873	108.994	109.762
Max	112.752	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000	950.000

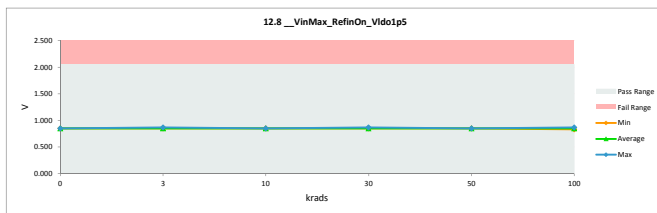


TID 100krad LDR Report
TPS7H3301-SP

12.8_VinMax_RefinOn_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.05	2.05		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.846	0.846	0.000
3	A79_Biased	0.846	0.846	0.000
3	A80_Biased	0.846	0.846	0.000
3	B1_Biased	0.846	0.846	0.000
3	B2_Biased	0.846	0.846	0.000
3	C1_Biased	0.846	0.846	0.000
3	A82_Unbiased	0.846	0.846	0.000
3	A83_Unbiased	0.846	0.846	0.000
3	B4_Unbiased	0.846	0.846	0.000
3	B5_Unbiased	0.846	0.846	0.000
3	C2_Unbiased	0.846	0.846	0.000
10	A85_Biased	0.846	0.846	0.000
10	A86_Biased	0.846	0.846	0.000
10	B6_Biased	0.846	0.846	0.000
10	C3_Biased	0.846	0.846	0.000
10	C4_Biased	0.846	0.846	0.000
10	A87_Unbiased	0.846	0.846	0.000
10	A88_Unbiased	0.846	0.846	0.000
10	B7_Unbiased	0.846	0.846	0.000
10	C5_Unbiased	0.846	0.846	0.000
10	C6_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
30	A89_Biased	0.846	0.846	0.000
30	B8_Biased	0.846	0.846	0.000
30	B9_Biased	0.846	0.846	0.000
30	C7_Biased	0.846	0.846	0.000
30	C9_Biased	0.846	0.846	0.000
30	A90_Unbiased	0.846	0.846	0.000
30	B10_Unbiased	0.846	0.846	0.000
30	B11_Unbiased	0.846	0.846	0.000
30	C11_Unbiased	0.846	0.846	0.000
30	C12_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
0	15B_Corr	0.846	0.846	0.000
50	A92_Biased	0.846	0.846	0.000
50	A93_Biased	0.846	0.846	0.000
50	B12_Biased	0.846	0.846	0.000
50	B13_Biased	0.846	0.846	0.000
50	C14_Biased	0.846	0.846	0.000
50	A95_Unbiased	0.846	0.846	0.000
50	A96_Unbiased	0.846	0.846	0.000
50	B15_Unbiased	0.846	0.846	0.000
50	B16_Unbiased	0.846	0.846	0.000
50	C15_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
100	A97_Biased	0.846	0.846	0.000
100	A99_Biased	0.846	0.846	0.000
100	A100_Biased	0.846	0.846	0.000
100	A101_Biased	0.846	0.846	0.000
100	A102_Biased	0.846	0.846	0.000
100	A104_Biased	0.846	0.846	0.000
100	A105_Biased	0.846	0.846	0.000
100	B17_Biased	0.846	0.846	0.000
100	B18_Biased	0.846	0.846	0.000
100	B19_Biased	0.846	0.846	0.000
100	B20_Biased	0.846	0.846	0.000
100	B21_Biased	0.846	0.846	0.000
100	B24_Biased	0.846	0.846	0.000
100	B25_Biased	0.846	0.846	0.000
100	B26_Biased	0.846	0.846	0.000
100	C16_Biased	0.846	0.846	0.000
100	C17_Biased	0.846	0.846	0.000
100	C18_Biased	0.846	0.846	0.000
100	C19_Biased	0.846	0.846	0.000
100	C25_Biased	0.846	0.846	0.000
100	C26_Biased	0.846	0.846	0.000
100	C31_Biased	0.846	0.846	0.000
100	A107_Unbiased	0.846	0.846	0.000
100	A108_Unbiased	0.846	0.846	0.000
100	A109_Unbiased	0.846	0.846	0.000
100	A110_Unbiased	0.846	0.846	0.000
100	A111_Unbiased	0.846	0.846	0.000
100	A112_Unbiased	0.846	0.846	0.000
100	A113_Unbiased	0.846	0.846	0.000
100	B27_Unbiased	0.846	0.827	0.019
100	B29_Unbiased	0.846	0.846	0.000
100	B30_Unbiased	0.846	0.846	0.000
100	B31_Unbiased	0.846	0.846	0.000
100	B32_Unbiased	0.846	0.846	0.000
100	B33_Unbiased	0.846	0.846	0.000
100	B34_Unbiased	0.846	0.846	0.000
100	B35_Unbiased	0.846	0.846	0.000
100	C32_Unbiased	0.846	0.846	0.000
100	C33_Unbiased	0.846	0.846	0.000
100	C34_Unbiased	0.846	0.846	0.000
100	C35_Unbiased	0.846	0.846	0.000
100	C36_Unbiased	0.864	0.864	0.000
100	C37_Unbiased	0.864	0.864	0.000
100	C38_Unbiased	0.846	0.846	0.000
	Max	0.864	0.864	0.019
	Average	0.847	0.847	0.000
	Min	0.846	0.827	0.000
	Std Dev	0.005	0.005	0.002

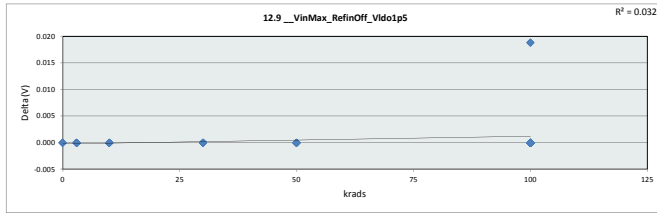


12.8_VinMax_RefinOn_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	2.05	V				
Min Limit	0	V				
Krads	LL	Min	Average	Max	UL	Pass Range
0	0.000	0.846	0.846	0.846	2.050	0.000 - 2.050
3	0.000	0.846	0.847	0.846	2.050	0.000 - 2.050
10	0.000	0.846	0.846	0.846	2.050	0.000 - 2.050
30	0.000	0.846	0.847	0.846	2.050	0.000 - 2.050
50	0.000	0.846	0.846	0.846	2.050	0.000 - 2.050
100	0.000	0.827	0.847	0.864	2.050	0.000 - 2.050

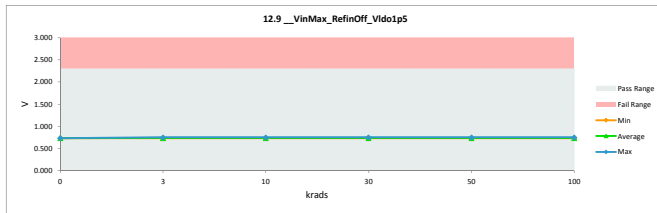


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12.9_VinMax_RefinOff_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.3	2.3		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.733	0.733	0.000
3	A79_Biased	0.733	0.733	0.000
3	A80_Biased	0.733	0.733	0.000
3	B1_Biased	0.733	0.733	0.000
3	B2_Biased	0.752	0.752	0.000
3	C1_Biased	0.752	0.752	0.000
3	A82_Unbiased	0.733	0.733	0.000
3	A83_Unbiased	0.752	0.752	0.000
3	B4_Unbiased	0.733	0.733	0.000
3	B5_Unbiased	0.733	0.733	0.000
3	C2_Unbiased	0.733	0.733	0.000
10	A85_Biased	0.733	0.733	0.000
10	A86_Biased	0.733	0.733	0.000
10	B6_Biased	0.733	0.733	0.000
10	C3_Biased	0.752	0.752	0.000
10	C4_Biased	0.733	0.733	0.000
10	A87_Unbiased	0.733	0.733	0.000
10	A88_Unbiased	0.733	0.733	0.000
10	B7_Unbiased	0.733	0.733	0.000
10	C5_Unbiased	0.733	0.733	0.000
10	C6_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
30	A89_Biased	0.733	0.733	0.000
30	B8_Biased	0.752	0.752	0.000
30	B9_Biased	0.733	0.733	0.000
30	C7_Biased	0.733	0.733	0.000
30	C9_Biased	0.733	0.733	0.000
30	A90_Unbiased	0.733	0.733	0.000
30	B10_Unbiased	0.733	0.733	0.000
30	B11_Unbiased	0.733	0.733	0.000
30	C11_Unbiased	0.752	0.752	0.000
30	C12_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
0	15B_Corr	0.733	0.733	0.000
50	A92_Biased	0.733	0.733	0.000
50	A93_Biased	0.733	0.733	0.000
50	B12_Biased	0.733	0.733	0.000
50	B13_Biased	0.752	0.752	0.000
50	C14_Biased	0.733	0.733	0.000
50	A95_Unbiased	0.733	0.733	0.000
50	A96_Unbiased	0.733	0.733	0.000
50	B15_Unbiased	0.733	0.733	0.000
50	B16_Unbiased	0.752	0.752	0.000
50	C15_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
100	A97_Biased	0.733	0.733	0.000
100	A99_Biased	0.733	0.733	0.000
100	A100_Biased	0.733	0.733	0.000
100	A101_Biased	0.752	0.752	0.000
100	A102_Biased	0.733	0.733	0.000
100	A104_Biased	0.733	0.733	0.000
100	A105_Biased	0.733	0.733	0.000
100	B17_Biased	0.752	0.752	0.000
100	B18_Biased	0.752	0.752	0.000
100	B19_Biased	0.752	0.752	0.000
100	B20_Biased	0.733	0.733	0.000
100	B21_Biased	0.733	0.733	0.000
100	B24_Biased	0.752	0.733	0.019
100	B25_Biased	0.752	0.752	0.000
100	B26_Biased	0.752	0.752	0.000
100	C16_Biased	0.733	0.733	0.000
100	C17_Biased	0.733	0.733	0.000
100	C18_Biased	0.752	0.752	0.000
100	C19_Biased	0.733	0.733	0.000
100	C25_Biased	0.733	0.733	0.000
100	C26_Biased	0.733	0.733	0.000
100	C31_Biased	0.733	0.733	0.000
100	A107_Unbiased	0.752	0.733	0.019
100	A108_Unbiased	0.733	0.733	0.000
100	A109_Unbiased	0.733	0.733	0.000
100	A110_Unbiased	0.733	0.733	0.000
100	A111_Unbiased	0.752	0.752	0.000
100	A112_Unbiased	0.733	0.733	0.000
100	A113_Unbiased	0.733	0.733	0.000
100	B27_Unbiased	0.733	0.733	0.000
100	B29_Unbiased	0.752	0.752	0.000
100	B30_Unbiased	0.733	0.733	0.000
100	B31_Unbiased	0.733	0.733	0.000
100	B32_Unbiased	0.733	0.733	0.000
100	B33_Unbiased	0.733	0.733	0.000
100	B34_Unbiased	0.733	0.733	0.000
100	B35_Unbiased	0.733	0.733	0.000
100	C32_Unbiased	0.733	0.733	0.000
100	C33_Unbiased	0.733	0.733	0.000
100	C34_Unbiased	0.733	0.733	0.000
100	C35_Unbiased	0.733	0.733	0.000
100	C36_Unbiased	0.752	0.752	0.000
100	C37_Unbiased	0.752	0.752	0.000
100	C38_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.737	0.737	0.001
	Min	0.733	0.733	0.000
	Std Dev	0.008	0.008	0.003

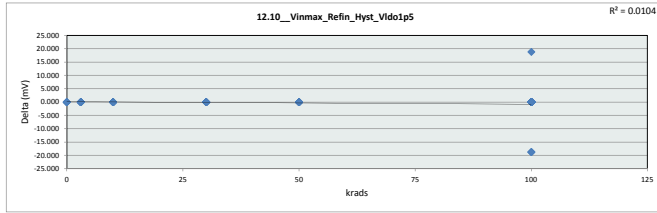


12.9_VinMax_RefinOff_Vldo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.3	V				
Min Limit	0	V				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.733	0.733	0.733	0.733	0.733	0.733
Average	0.733	0.739	0.735	0.737	0.737	0.737
Max	0.733	0.752	0.752	0.752	0.752	0.752
UL	2.300	2.300	2.300	2.300	2.300	2.300

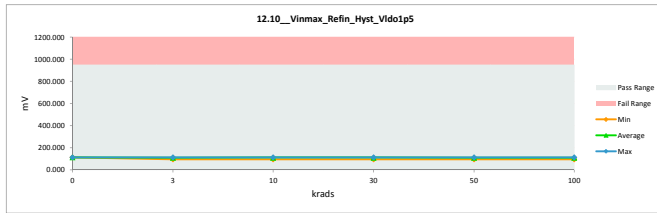


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12.10_Vinmax_Refin_Hyst_Vld				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	112.752	112.752	0.000
3	A79_Biased	112.752	112.752	0.000
3	A80_Biased	112.752	112.752	0.000
3	B1_Biased	112.752	112.752	0.000
3	B2_Biased	93.960	93.960	0.000
3	C1_Biased	93.960	93.960	0.000
3	A82_Unbiased	112.752	112.752	0.000
3	A83_Unbiased	112.752	112.752	0.000
3	B4_Unbiased	112.752	112.752	0.000
3	B5_Unbiased	112.752	112.752	0.000
3	C2_Unbiased	112.752	112.752	0.000
10	A85_Biased	112.752	112.752	0.000
10	A86_Biased	112.752	112.752	0.000
10	B6_Biased	112.752	112.752	0.000
10	C3_Biased	93.960	93.960	0.000
10	C4_Biased	112.752	112.752	0.000
10	A87_Unbiased	112.752	112.752	0.000
10	A88_Unbiased	112.752	112.752	0.000
10	B7_Unbiased	112.752	112.752	0.000
10	C5_Unbiased	112.752	112.752	0.000
10	C6_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
30	A89_Biased	112.752	112.752	0.000
30	B8_Biased	93.960	93.960	0.000
30	B9_Biased	112.752	112.752	0.000
30	C7_Biased	112.752	112.752	0.000
30	C9_Biased	112.752	112.752	0.000
30	A90_Unbiased	112.752	112.752	0.000
30	B10_Unbiased	112.752	112.752	0.000
30	B11_Unbiased	112.752	112.752	0.000
30	C11_Unbiased	112.752	112.752	0.000
30	C12_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
0	15B_Corr	112.752	112.752	0.000
50	A92_Biased	112.752	112.752	0.000
50	A93_Biased	112.752	112.752	0.000
50	B12_Biased	112.752	112.752	0.000
50	B13_Biased	93.960	93.960	0.000
50	C14_Biased	112.752	112.752	0.000
50	A95_Unbiased	112.752	112.752	0.000
50	A96_Unbiased	112.752	112.752	0.000
50	B15_Unbiased	112.752	112.752	0.000
50	B16_Unbiased	93.960	93.960	0.000
50	C15_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
100	A97_Biased	112.752	112.752	0.000
100	A99_Biased	112.752	112.752	0.000
100	A100_Biased	112.752	112.752	0.000
100	A101_Biased	93.960	112.752	-18.792
100	A102_Biased	112.752	112.752	0.000
100	A104_Biased	112.752	112.752	0.000
100	A105_Biased	112.752	112.752	0.000
100	B17_Biased	93.960	93.960	0.000
100	B18_Biased	93.960	93.960	0.000
100	B19_Biased	93.960	93.960	0.000
100	B20_Biased	112.752	112.752	0.000
100	B21_Biased	112.752	112.752	0.000
100	B24_Biased	93.960	112.752	-18.792
100	B25_Biased	112.752	112.752	0.000
100	B26_Biased	93.960	93.960	0.000
100	C16_Biased	112.752	112.752	0.000
100	C17_Biased	112.752	112.752	0.000
100	C18_Biased	112.752	112.752	0.000
100	C19_Biased	112.752	112.752	0.000
100	C25_Biased	112.752	112.752	0.000
100	C26_Biased	112.752	112.752	0.000
100	C31_Biased	112.752	112.752	0.000
100	A107_Unbiased	93.960	112.752	-18.792
100	A108_Unbiased	112.752	112.752	0.000
100	A109_Unbiased	112.752	112.752	0.000
100	A110_Unbiased	112.752	112.752	0.000
100	A111_Unbiased	93.960	93.960	0.000
100	A112_Unbiased	112.752	112.752	0.000
100	A113_Unbiased	112.752	112.752	0.000
100	B27_Unbiased	112.752	93.960	18.792
100	B29_Unbiased	93.960	93.960	0.000
100	B30_Unbiased	112.752	112.752	0.000
100	B31_Unbiased	112.752	112.752	0.000
100	B32_Unbiased	112.752	112.752	0.000
100	B33_Unbiased	112.752	112.752	0.000
100	B34_Unbiased	112.752	112.752	0.000
100	B35_Unbiased	112.752	112.752	0.000
100	C32_Unbiased	112.752	112.752	0.000
100	C33_Unbiased	112.752	112.752	0.000
100	C34_Unbiased	112.752	112.752	0.000
100	C35_Unbiased	112.752	112.752	0.000
100	C36_Unbiased	112.752	112.752	0.000
100	C37_Unbiased	112.752	112.752	0.000
100	C38_Unbiased	112.752	112.752	0.000
	Max	112.752	112.752	18.792
	Average	109.585	110.007	-0.422
	Min	93.960	93.960	-18.792
	Std Dev	7.075	6.674	3.984

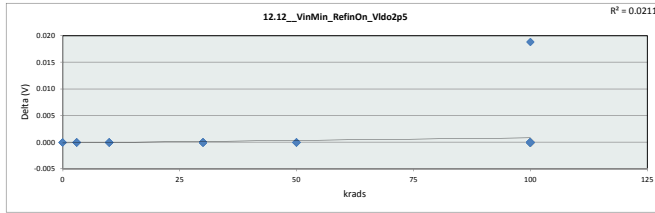


12.10_Vinmax_Refin_Hyst_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	112.752	93.960	93.960	93.960	93.960	93.960
Average	112.752	108.994	110.873	110.873	108.994	109.762
Max	112.752	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000	950.000

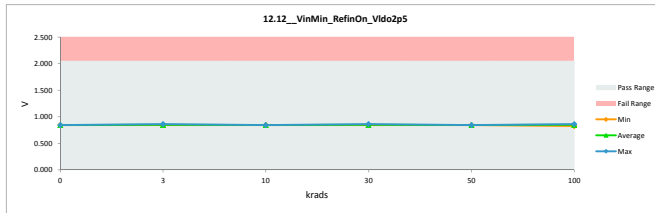


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12.12_VinMin_RefinOn_Vldo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.05	2.05		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.846	0.846	0.000
3	A79_Biased	0.846	0.846	0.000
3	A80_Biased	0.846	0.846	0.000
3	B1_Biased	0.846	0.846	0.000
3	B2_Biased	0.846	0.846	0.000
3	C1_Biased	0.846	0.846	0.000
3	A82_Unbiased	0.846	0.846	0.000
3	A83_Unbiased	0.846	0.846	0.000
3	B4_Unbiased	0.846	0.846	0.000
3	B5_Unbiased	0.846	0.846	0.000
3	C2_Unbiased	0.846	0.846	0.000
10	A85_Biased	0.846	0.846	0.000
10	A86_Biased	0.846	0.846	0.000
10	B6_Biased	0.846	0.846	0.000
10	C3_Biased	0.846	0.846	0.000
10	C4_Biased	0.846	0.846	0.000
10	A87_Unbiased	0.846	0.846	0.000
10	A88_Unbiased	0.846	0.846	0.000
10	B7_Unbiased	0.846	0.846	0.000
10	C5_Unbiased	0.846	0.846	0.000
10	C6_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
30	A89_Biased	0.846	0.846	0.000
30	B8_Biased	0.846	0.846	0.000
30	B9_Biased	0.846	0.846	0.000
30	C7_Biased	0.846	0.846	0.000
30	C9_Biased	0.846	0.846	0.000
30	A90_Unbiased	0.846	0.846	0.000
30	B10_Unbiased	0.846	0.846	0.000
30	B11_Unbiased	0.846	0.846	0.000
30	C11_Unbiased	0.846	0.846	0.000
30	C12_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
0	15B_Corr	0.846	0.846	0.000
50	A92_Biased	0.846	0.846	0.000
50	A93_Biased	0.846	0.846	0.000
50	B12_Biased	0.846	0.846	0.000
50	B13_Biased	0.846	0.846	0.000
50	C14_Biased	0.846	0.846	0.000
50	A95_Unbiased	0.846	0.846	0.000
50	A96_Unbiased	0.846	0.846	0.000
50	B15_Unbiased	0.846	0.846	0.000
50	B16_Unbiased	0.846	0.846	0.000
50	C15_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
100	A97_Biased	0.846	0.846	0.000
100	A99_Biased	0.846	0.846	0.000
100	A100_Biased	0.846	0.846	0.000
100	A101_Biased	0.846	0.846	0.000
100	A102_Biased	0.846	0.846	0.000
100	A104_Biased	0.846	0.846	0.000
100	A105_Biased	0.846	0.846	0.000
100	B17_Biased	0.846	0.846	0.000
100	B18_Biased	0.846	0.846	0.000
100	B19_Biased	0.846	0.846	0.000
100	B20_Biased	0.846	0.846	0.000
100	B21_Biased	0.846	0.846	0.000
100	B24_Biased	0.846	0.846	0.000
100	B25_Biased	0.846	0.846	0.000
100	B26_Biased	0.846	0.846	0.000
100	C16_Biased	0.846	0.846	0.000
100	C17_Biased	0.846	0.846	0.000
100	C18_Biased	0.846	0.846	0.000
100	C19_Biased	0.846	0.846	0.000
100	C25_Biased	0.846	0.846	0.000
100	C26_Biased	0.846	0.846	0.000
100	C31_Biased	0.846	0.846	0.000
100	A107_Unbiased	0.846	0.846	0.000
100	A108_Unbiased	0.846	0.846	0.000
100	A109_Unbiased	0.846	0.846	0.000
100	A110_Unbiased	0.846	0.846	0.000
100	A111_Unbiased	0.846	0.846	0.019
100	A112_Unbiased	0.846	0.846	0.000
100	A113_Unbiased	0.846	0.846	0.000
100	B27_Unbiased	0.846	0.827	0.019
100	B29_Unbiased	0.846	0.846	0.000
100	B30_Unbiased	0.846	0.846	0.000
100	B31_Unbiased	0.846	0.846	0.000
100	B32_Unbiased	0.846	0.846	0.000
100	B33_Unbiased	0.846	0.846	0.000
100	B34_Unbiased	0.846	0.846	0.000
100	B35_Unbiased	0.846	0.846	0.000
100	C32_Unbiased	0.846	0.846	0.000
100	C33_Unbiased	0.846	0.846	0.000
100	C34_Unbiased	0.846	0.846	0.000
100	C35_Unbiased	0.846	0.846	0.000
100	C36_Unbiased	0.864	0.864	0.000
100	C37_Unbiased	0.864	0.864	0.000
100	C38_Unbiased	0.846	0.846	0.000
	Max	0.864	0.864	0.019
	Average	0.847	0.847	0.000
	Min	0.846	0.827	0.000
	Std Dev	0.005	0.005	0.003

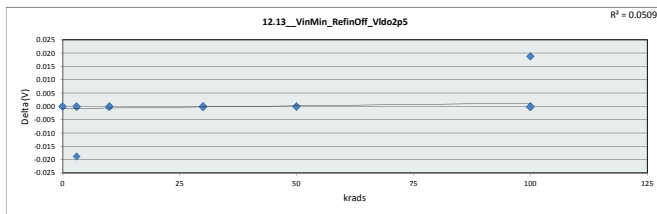


12.12_VinMin_RefinOn_Vldo2						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	2.05	V				
Min Limit	0	V				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.846	0.846	0.846	0.846	0.846	0.827
Average	0.846	0.847	0.846	0.847	0.846	0.847
Max	0.846	0.864	0.846	0.864	0.846	0.864
UL	2.050	2.050	2.050	2.050	2.050	2.050

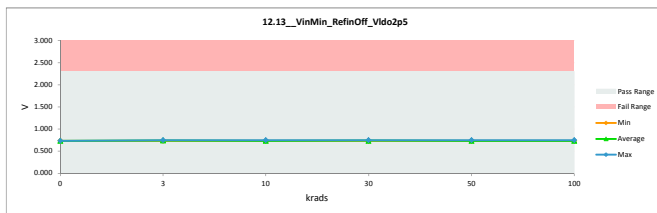


TID 100krad LDR Report
TPS7H3301-SP

12.13_VinMin_RefinOff_Vldo2p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.3	2.3		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.733	0.733	0.000
3	A79_Biased	0.733	0.733	0.000
3	A80_Biased	0.733	0.733	0.000
3	B1_Biased	0.733	0.752	-0.019
3	B2_Biased	0.752	0.752	0.000
3	C1_Biased	0.752	0.752	0.000
3	A82_Unbiased	0.733	0.733	0.000
3	A83_Unbiased	0.752	0.752	0.000
3	B4_Unbiased	0.733	0.733	0.000
3	B5_Unbiased	0.733	0.733	0.000
3	C2_Unbiased	0.733	0.733	0.000
10	A85_Biased	0.733	0.733	0.000
10	A86_Biased	0.733	0.733	0.000
10	B6_Biased	0.733	0.733	0.000
10	C3_Biased	0.752	0.752	0.000
10	C4_Biased	0.733	0.733	0.000
10	A87_Unbiased	0.733	0.733	0.000
10	A88_Unbiased	0.733	0.733	0.000
10	B7_Unbiased	0.733	0.733	0.000
10	C5_Unbiased	0.733	0.733	0.000
10	C6_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
30	A89_Biased	0.733	0.733	0.000
30	B8_Biased	0.752	0.752	0.000
30	B9_Biased	0.733	0.733	0.000
30	C7_Biased	0.733	0.733	0.000
30	C9_Biased	0.733	0.733	0.000
30	A90_Unbiased	0.733	0.733	0.000
30	B10_Unbiased	0.752	0.752	0.000
30	B11_Unbiased	0.733	0.733	0.000
30	C11_Unbiased	0.752	0.752	0.000
30	C12_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
0	15B_Corr	0.733	0.733	0.000
50	A92_Biased	0.733	0.733	0.000
50	A93_Biased	0.733	0.733	0.000
50	B12_Biased	0.733	0.733	0.000
50	B13_Biased	0.752	0.752	0.000
50	C14_Biased	0.733	0.733	0.000
50	A95_Unbiased	0.733	0.733	0.000
50	A96_Unbiased	0.733	0.733	0.000
50	B15_Unbiased	0.733	0.733	0.000
50	B16_Unbiased	0.752	0.752	0.000
50	C15_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
100	A97_Biased	0.733	0.733	0.000
100	A99_Biased	0.733	0.733	0.000
100	A100_Biased	0.733	0.733	0.000
100	A101_Biased	0.752	0.752	0.000
100	A102_Biased	0.733	0.733	0.000
100	A104_Biased	0.733	0.733	0.000
100	A105_Biased	0.733	0.733	0.000
100	B17_Biased	0.752	0.752	0.000
100	B18_Biased	0.752	0.752	0.000
100	B19_Biased	0.752	0.752	0.000
100	B20_Biased	0.733	0.733	0.000
100	B21_Biased	0.733	0.733	0.000
100	B24_Biased	0.733	0.733	0.000
100	B25_Biased	0.752	0.752	0.000
100	B26_Biased	0.752	0.752	0.000
100	C16_Biased	0.733	0.733	0.000
100	C17_Biased	0.733	0.733	0.000
100	C18_Biased	0.752	0.752	0.000
100	C19_Biased	0.733	0.733	0.000
100	C25_Biased	0.733	0.733	0.000
100	C26_Biased	0.733	0.733	0.000
100	C31_Biased	0.733	0.733	0.000
100	A107_Unbiased	0.752	0.733	0.019
100	A108_Unbiased	0.733	0.733	0.000
100	A109_Unbiased	0.733	0.733	0.000
100	A110_Unbiased	0.733	0.733	0.000
100	A111_Unbiased	0.752	0.752	0.000
100	A112_Unbiased	0.733	0.733	0.000
100	A113_Unbiased	0.733	0.733	0.000
100	B27_Unbiased	0.733	0.733	0.000
100	B29_Unbiased	0.752	0.752	0.000
100	B30_Unbiased	0.733	0.733	0.000
100	B31_Unbiased	0.733	0.733	0.000
100	B32_Unbiased	0.733	0.733	0.000
100	B33_Unbiased	0.733	0.733	0.000
100	B34_Unbiased	0.733	0.733	0.000
100	B35_Unbiased	0.733	0.733	0.000
100	C32_Unbiased	0.733	0.733	0.000
100	C33_Unbiased	0.752	0.733	0.019
100	C34_Unbiased	0.733	0.733	0.000
100	C35_Unbiased	0.733	0.733	0.000
100	C36_Unbiased	0.752	0.752	0.000
100	C37_Unbiased	0.752	0.752	0.000
100	C38_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.738	0.737	0.000
	Min	0.733	0.733	-0.019
	Std Dev	0.008	0.008	0.004

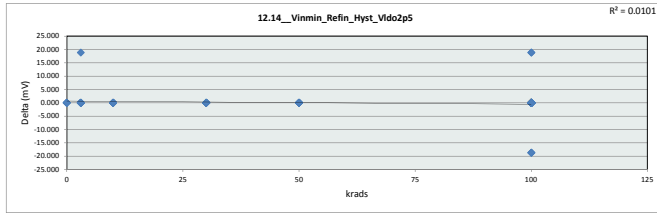


12.13_VinMin_RefinOff_Vldo2p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	2.3					
Min Limit	0					
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.733	0.733	0.733	0.733	0.733	0.733
Average	0.733	0.740	0.735	0.739	0.737	0.737
Max	0.733	0.752	0.752	0.752	0.752	0.752
UL	2.300	2.300	2.300	2.300	2.300	2.300

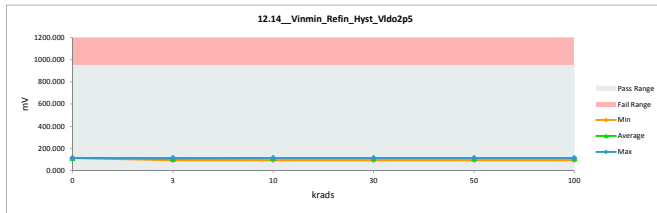


TID 100krad LDR Report
TPS7H3301-SP

12.14_Vinmin_Refin_Hyst_Vldo			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	950		
Min Limit	0		
krads	Serial #	PreRad_LDR	PostRad_LDR
0	C35_Corr	112.752	112.752
3	A79_Biased	112.752	112.752
3	A80_Biased	112.752	112.752
3	B1_Biased	112.752	93.960
3	B2_Biased	93.960	93.960
3	C1_Biased	93.960	93.960
3	A82_Unbiased	112.752	112.752
3	A83_Unbiased	112.752	112.752
3	B4_Unbiased	112.752	112.752
3	B5_Unbiased	112.752	112.752
3	C2_Unbiased	112.752	112.752
10	A85_Biased	112.752	112.752
10	A86_Biased	112.752	112.752
10	B6_Biased	112.752	112.752
10	C3_Biased	93.960	93.960
10	C4_Biased	112.752	112.752
10	A87_Unbiased	112.752	112.752
10	A88_Unbiased	112.752	112.752
10	B7_Unbiased	112.752	112.752
10	C5_Unbiased	112.752	112.752
10	C6_Unbiased	112.752	112.752
0	106_Corr	112.752	112.752
30	A89_Biased	112.752	112.752
30	B8_Biased	93.960	93.960
30	B9_Biased	112.752	112.752
30	C7_Biased	112.752	112.752
30	C9_Biased	112.752	112.752
30	A90_Unbiased	112.752	112.752
30	B10_Unbiased	93.960	93.960
30	B11_Unbiased	112.752	112.752
30	C11_Unbiased	112.752	112.752
30	C12_Unbiased	112.752	112.752
0	106_Corr	112.752	112.752
0	15B_Corr	112.752	112.752
50	A92_Biased	112.752	112.752
50	A93_Biased	112.752	112.752
50	B12_Biased	112.752	112.752
50	B13_Biased	93.960	93.960
50	C14_Biased	112.752	112.752
50	A95_Unbiased	112.752	112.752
50	A96_Unbiased	112.752	112.752
50	B15_Unbiased	112.752	112.752
50	B16_Unbiased	93.960	93.960
50	C15_Unbiased	112.752	112.752
0	106_Corr	112.752	112.752
100	A97_Biased	112.752	112.752
100	A99_Biased	112.752	112.752
100	A100_Biased	112.752	112.752
100	A101_Biased	93.960	112.752
100	A102_Biased	112.752	112.752
100	A104_Biased	112.752	112.752
100	A105_Biased	112.752	112.752
100	B17_Biased	93.960	93.960
100	B18_Biased	93.960	93.960
100	B19_Biased	93.960	93.960
100	B20_Biased	112.752	112.752
100	B21_Biased	112.752	112.752
100	B24_Biased	112.752	112.752
100	B25_Biased	112.752	112.752
100	B26_Biased	93.960	93.960
100	C16_Biased	112.752	112.752
100	C17_Biased	112.752	112.752
100	C18_Biased	112.752	112.752
100	C19_Biased	112.752	112.752
100	C25_Biased	112.752	112.752
100	C26_Biased	112.752	112.752
100	C31_Biased	112.752	112.752
100	A107_Unbiased	93.960	112.752
100	A108_Unbiased	112.752	112.752
100	A109_Unbiased	112.752	112.752
100	A110_Unbiased	112.752	93.960
100	A111_Unbiased	112.752	93.960
100	A112_Unbiased	112.752	112.752
100	A113_Unbiased	112.752	112.752
100	B27_Unbiased	112.752	93.960
100	B29_Unbiased	93.960	93.960
100	B30_Unbiased	112.752	112.752
100	B31_Unbiased	112.752	112.752
100	B32_Unbiased	112.752	112.752
100	B33_Unbiased	112.752	112.752
100	B34_Unbiased	112.752	112.752
100	B35_Unbiased	112.752	112.752
100	C32_Unbiased	112.752	112.752
100	C33_Unbiased	93.960	112.752
100	C34_Unbiased	112.752	112.752
100	C35_Unbiased	112.752	112.752
100	C36_Unbiased	112.752	112.752
100	C37_Unbiased	112.752	112.752
100	C38_Unbiased	112.752	112.752
	Max	112.752	112.752
	Average	109.585	109.585
	Min	93.960	93.960
	Std Dev	7.075	7.075

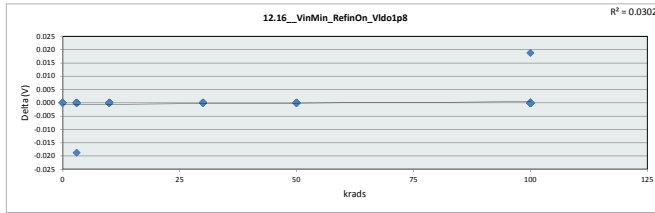


12.14_Vinmin_Refin_Hyst_Vldo2p5					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	950	mV			
Min Limit	0	mV			
krads	0	3	10	30	50
LL	0.000	0.000	0.000	0.000	0.000
Min	112.752	93.960	93.960	93.960	93.960
Average	112.752	107.114	110.873	108.994	109.762
Max	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000

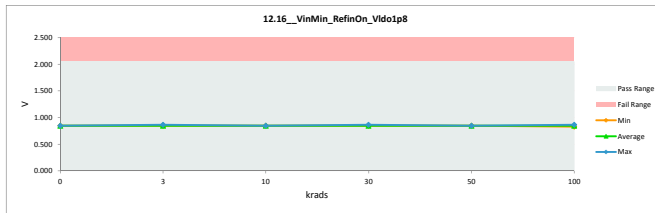


TID 100krad LDR Report
TPS7H3301-SP

12.16_VinMin_RefinOn_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.05	2.05		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.846	0.846	0.000
3	A79_Biased	0.846	0.846	0.000
3	A80_Biased	0.846	0.846	0.000
3	B1_Biased	0.846	0.846	0.000
3	B2_Biased	0.846	0.846	0.000
3	C1_Biased	0.846	0.846	0.000
3	A82_Unbiased	0.846	0.846	0.000
3	A83_Unbiased	0.846	0.846	-0.019
3	B4_Unbiased	0.846	0.846	0.000
3	B5_Unbiased	0.846	0.846	0.000
3	C2_Unbiased	0.846	0.846	0.000
10	A85_Biased	0.846	0.846	0.000
10	A86_Biased	0.846	0.846	0.000
10	B6_Biased	0.846	0.846	0.000
10	C3_Biased	0.846	0.846	0.000
10	C4_Biased	0.846	0.846	0.000
10	A87_Unbiased	0.846	0.846	0.000
10	A88_Unbiased	0.846	0.846	0.000
10	B7_Unbiased	0.846	0.846	0.000
10	C5_Unbiased	0.846	0.846	0.000
10	C6_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
30	A89_Biased	0.846	0.846	0.000
30	B8_Biased	0.846	0.846	0.000
30	B9_Biased	0.846	0.846	0.000
30	C7_Biased	0.846	0.846	0.000
30	C9_Biased	0.846	0.846	0.000
30	A90_Unbiased	0.846	0.846	0.000
30	B10_Unbiased	0.846	0.846	0.000
30	B11_Unbiased	0.846	0.846	0.000
30	C11_Unbiased	0.846	0.846	0.000
30	C12_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
0	15B_Corr	0.846	0.846	0.000
50	A92_Biased	0.846	0.846	0.000
50	A93_Biased	0.846	0.846	0.000
50	B12_Biased	0.846	0.846	0.000
50	B13_Biased	0.846	0.846	0.000
50	C14_Biased	0.846	0.846	0.000
50	A95_Unbiased	0.846	0.846	0.000
50	A96_Unbiased	0.846	0.846	0.000
50	B15_Unbiased	0.846	0.846	0.000
50	B16_Unbiased	0.846	0.846	0.000
50	C15_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
100	A97_Biased	0.846	0.846	0.000
100	A99_Biased	0.846	0.846	0.000
100	A100_Biased	0.846	0.846	0.000
100	A101_Biased	0.846	0.846	0.000
100	A102_Biased	0.846	0.846	0.000
100	A104_Biased	0.846	0.846	0.000
100	A105_Biased	0.846	0.846	0.000
100	B17_Biased	0.846	0.846	0.000
100	B18_Biased	0.846	0.846	0.000
100	B19_Biased	0.846	0.846	0.000
100	B20_Biased	0.846	0.846	0.000
100	B21_Biased	0.846	0.846	0.000
100	B24_Biased	0.846	0.846	0.000
100	B25_Biased	0.846	0.846	0.000
100	B26_Biased	0.846	0.846	0.000
100	C16_Biased	0.846	0.846	0.000
100	C17_Biased	0.846	0.846	0.000
100	C18_Biased	0.846	0.846	0.000
100	C19_Biased	0.846	0.846	0.000
100	C25_Biased	0.846	0.846	0.000
100	C26_Biased	0.846	0.846	0.000
100	C31_Biased	0.846	0.846	0.000
100	A107_Unbiased	0.846	0.846	0.000
100	A108_Unbiased	0.846	0.846	0.000
100	A109_Unbiased	0.846	0.846	0.000
100	A110_Unbiased	0.846	0.846	0.000
100	A111_Unbiased	0.846	0.846	0.000
100	A112_Unbiased	0.846	0.846	0.000
100	A113_Unbiased	0.846	0.846	0.000
100	B27_Unbiased	0.846	0.827	0.019
100	B29_Unbiased	0.846	0.846	0.000
100	B30_Unbiased	0.846	0.846	0.000
100	B31_Unbiased	0.846	0.846	0.000
100	B32_Unbiased	0.846	0.846	0.000
100	B33_Unbiased	0.846	0.846	0.000
100	B34_Unbiased	0.846	0.846	0.000
100	B35_Unbiased	0.846	0.846	0.000
100	C32_Unbiased	0.846	0.846	0.000
100	C33_Unbiased	0.846	0.846	0.000
100	C34_Unbiased	0.846	0.846	0.000
100	C35_Unbiased	0.846	0.846	0.000
100	C36_Unbiased	0.846	0.846	0.000
100	C37_Unbiased	0.846	0.846	0.000
100	C38_Unbiased	0.846	0.846	0.000
	Max	0.846	0.846	0.019
	Average	0.847	0.847	0.000
	Min	0.846	0.827	-0.019
	Std Dev	0.005	0.006	0.003

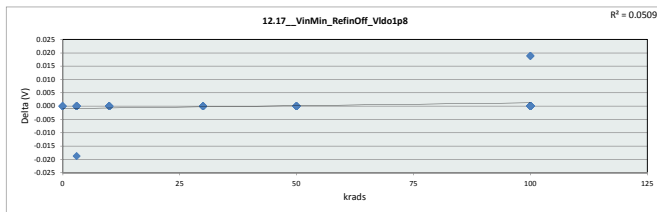


12.16_VinMin_RefinOn_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	2.05	V				
Min Limit	0	V				
Krads	LL	Min	Average	Max	UL	
0	0.000	0.846	0.846	0.846	2.050	
3	0.000	0.846	0.847	0.846	2.050	
10	0.000	0.846	0.846	0.846	2.050	
30	0.000	0.846	0.847	0.846	2.050	
50	0.000	0.846	0.846	0.846	2.050	
100	0.000	0.827	0.847	0.864	2.050	

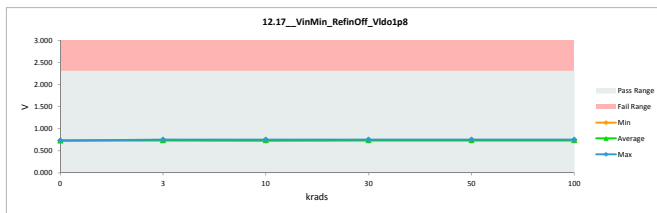


TID 100krad LDR Report
TPS7H3301-SP

12.17_VinMin_RefinOff_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.3	2.3		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.733	0.733	0.000
3	A79_Biased	0.733	0.733	0.000
3	A80_Biased	0.733	0.733	0.000
3	B1_Biased	0.733	0.752	-0.019
3	B2_Biased	0.752	0.752	0.000
3	C1_Biased	0.752	0.752	0.000
3	A82_Unbiased	0.733	0.733	0.000
3	A83_Unbiased	0.752	0.752	0.000
3	B4_Unbiased	0.733	0.733	0.000
3	B5_Unbiased	0.733	0.733	0.000
3	C2_Unbiased	0.733	0.733	0.000
10	A85_Biased	0.733	0.733	0.000
10	A86_Biased	0.733	0.733	0.000
10	B6_Biased	0.733	0.733	0.000
10	C3_Biased	0.752	0.752	0.000
10	C4_Biased	0.733	0.733	0.000
10	A87_Unbiased	0.733	0.733	0.000
10	A88_Unbiased	0.733	0.733	0.000
10	B7_Unbiased	0.733	0.733	0.000
10	C5_Unbiased	0.733	0.733	0.000
10	C6_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
30	A89_Biased	0.733	0.733	0.000
30	B8_Biased	0.752	0.752	0.000
30	B9_Biased	0.752	0.752	0.000
30	C7_Biased	0.733	0.733	0.000
30	C9_Biased	0.733	0.733	0.000
30	A90_Unbiased	0.733	0.733	0.000
30	B10_Unbiased	0.752	0.752	0.000
30	B11_Unbiased	0.733	0.733	0.000
30	C11_Unbiased	0.752	0.752	0.000
30	C12_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
0	15B_Corr	0.733	0.733	0.000
50	A92_Biased	0.733	0.733	0.000
50	A93_Biased	0.733	0.733	0.000
50	B12_Biased	0.733	0.733	0.000
50	B13_Biased	0.752	0.752	0.000
50	C14_Biased	0.733	0.733	0.000
50	A95_Unbiased	0.733	0.733	0.000
50	A96_Unbiased	0.733	0.733	0.000
50	B15_Unbiased	0.752	0.752	0.000
50	B16_Unbiased	0.752	0.752	0.000
50	C15_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
100	A97_Biased	0.733	0.733	0.000
100	A99_Biased	0.733	0.733	0.000
100	A100_Biased	0.733	0.733	0.000
100	A101_Biased	0.752	0.752	0.000
100	A102_Biased	0.733	0.733	0.000
100	A104_Biased	0.733	0.733	0.000
100	A105_Biased	0.733	0.733	0.000
100	B17_Biased	0.752	0.752	0.000
100	B18_Biased	0.752	0.752	0.000
100	B19_Biased	0.752	0.752	0.000
100	B20_Biased	0.733	0.733	0.000
100	B21_Biased	0.733	0.733	0.000
100	B24_Biased	0.733	0.733	0.000
100	B25_Biased	0.752	0.752	0.000
100	B26_Biased	0.752	0.752	0.000
100	C16_Biased	0.733	0.733	0.000
100	C17_Biased	0.733	0.733	0.000
100	C18_Biased	0.752	0.752	0.000
100	C19_Biased	0.733	0.733	0.000
100	C25_Biased	0.733	0.733	0.000
100	C26_Biased	0.733	0.733	0.000
100	C31_Biased	0.733	0.733	0.000
100	A107_Unbiased	0.752	0.733	0.019
100	A108_Unbiased	0.733	0.733	0.000
100	A109_Unbiased	0.733	0.733	0.000
100	A110_Unbiased	0.733	0.733	0.000
100	A111_Unbiased	0.752	0.752	0.000
100	A112_Unbiased	0.733	0.733	0.000
100	A113_Unbiased	0.733	0.733	0.000
100	B27_Unbiased	0.733	0.733	0.000
100	B29_Unbiased	0.752	0.752	0.000
100	B30_Unbiased	0.733	0.733	0.000
100	B31_Unbiased	0.733	0.733	0.000
100	B32_Unbiased	0.733	0.733	0.000
100	B33_Unbiased	0.733	0.733	0.000
100	B34_Unbiased	0.733	0.733	0.000
100	B35_Unbiased	0.733	0.733	0.000
100	C32_Unbiased	0.733	0.733	0.000
100	C33_Unbiased	0.752	0.733	0.019
100	C34_Unbiased	0.733	0.733	0.000
100	C35_Unbiased	0.733	0.733	0.000
100	C36_Unbiased	0.752	0.752	0.000
100	C37_Unbiased	0.752	0.752	0.000
100	C38_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.738	0.738	0.000
	Min	0.733	0.733	-0.019
	Std Dev	0.008	0.008	0.004

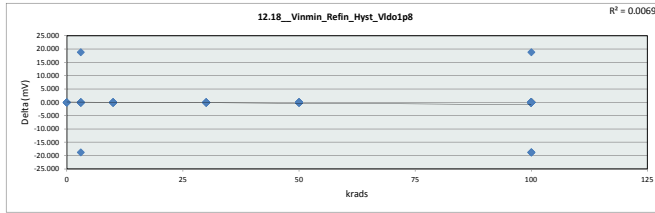


12.17_VinMin_RefinOff_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	2.3	V				
Min Limit	0	V				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.733	0.733	0.733	0.733	0.733	0.733
Average	0.733	0.740	0.735	0.740	0.739	0.737
Max	0.733	0.752	0.752	0.752	0.752	0.752
UL	2.300	2.300	2.300	2.300	2.300	2.300

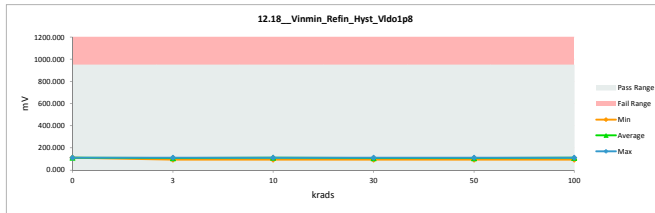


TID 100krad LDR Report
TPS7H3301-SP

12.18_Vinmin_Refin_Hyst_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	112.752	112.752	0.000
3	A79_Biased	112.752	112.752	0.000
3	A80_Biased	112.752	112.752	0.000
3	B1_Biased	112.752	93.960	18.792
3	B2_Biased	93.960	93.960	0.000
3	C1_Biased	93.960	93.960	0.000
3	A82_Unbiased	112.752	112.752	0.000
3	A83_Unbiased	93.960	112.752	-18.792
3	B4_Unbiased	112.752	112.752	0.000
3	B5_Unbiased	112.752	112.752	0.000
3	C2_Unbiased	112.752	112.752	0.000
10	A85_Biased	112.752	112.752	0.000
10	A86_Biased	112.752	112.752	0.000
10	B6_Biased	112.752	112.752	0.000
10	C3_Biased	93.960	93.960	0.000
10	C4_Biased	112.752	112.752	0.000
10	A87_Unbiased	112.752	112.752	0.000
10	A88_Unbiased	112.752	112.752	0.000
10	B7_Unbiased	112.752	112.752	0.000
10	C5_Unbiased	112.752	112.752	0.000
10	C6_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
30	A89_Biased	112.752	112.752	0.000
30	B8_Biased	93.960	93.960	0.000
30	B9_Biased	93.960	93.960	0.000
30	C7_Biased	112.752	112.752	0.000
30	C9_Biased	112.752	112.752	0.000
30	A90_Unbiased	112.752	112.752	0.000
30	B10_Unbiased	93.960	93.960	0.000
30	B11_Unbiased	112.752	112.752	0.000
30	C11_Unbiased	112.752	112.752	0.000
30	C12_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
0	15B_Corr	112.752	112.752	0.000
50	A92_Biased	112.752	112.752	0.000
50	A93_Biased	112.752	112.752	0.000
50	B12_Biased	112.752	112.752	0.000
50	B13_Biased	93.960	93.960	0.000
50	C14_Biased	112.752	112.752	0.000
50	A95_Unbiased	112.752	112.752	0.000
50	A96_Unbiased	112.752	112.752	0.000
50	B15_Unbiased	93.960	93.960	0.000
50	B16_Unbiased	93.960	93.960	0.000
50	C15_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
100	A97_Biased	112.752	112.752	0.000
100	A99_Biased	112.752	112.752	0.000
100	A100_Biased	112.752	112.752	0.000
100	A101_Biased	93.960	112.752	-18.792
100	A102_Biased	112.752	112.752	0.000
100	A104_Biased	112.752	112.752	0.000
100	A105_Biased	112.752	112.752	0.000
100	B17_Biased	93.960	93.960	0.000
100	B18_Biased	93.960	93.960	0.000
100	B19_Biased	93.960	93.960	0.000
100	B20_Biased	112.752	112.752	0.000
100	B21_Biased	112.752	112.752	0.000
100	B24_Biased	112.752	112.752	0.000
100	B25_Biased	112.752	112.752	0.000
100	B26_Biased	93.960	93.960	0.000
100	C16_Biased	112.752	112.752	0.000
100	C17_Biased	112.752	112.752	0.000
100	C18_Biased	112.752	112.752	0.000
100	C19_Biased	112.752	112.752	0.000
100	C25_Biased	112.752	112.752	0.000
100	C26_Biased	112.752	112.752	0.000
100	C31_Biased	112.752	112.752	0.000
100	A107_Unbiased	93.960	112.752	-18.792
100	A108_Unbiased	112.752	112.752	0.000
100	A109_Unbiased	112.752	112.752	0.000
100	A110_Unbiased	112.752	112.752	0.000
100	A111_Unbiased	112.752	112.752	0.000
100	A112_Unbiased	112.752	112.752	0.000
100	A113_Unbiased	112.752	112.752	0.000
100	B27_Unbiased	112.752	93.960	18.792
100	B29_Unbiased	93.960	93.960	0.000
100	B30_Unbiased	112.752	112.752	0.000
100	B31_Unbiased	112.752	112.752	0.000
100	B32_Unbiased	112.752	112.752	0.000
100	B33_Unbiased	112.752	112.752	0.000
100	B34_Unbiased	112.752	112.752	0.000
100	B35_Unbiased	112.752	112.752	0.000
100	C32_Unbiased	112.752	112.752	0.000
100	C33_Unbiased	93.960	112.752	-18.792
100	C34_Unbiased	112.752	112.752	0.000
100	C35_Unbiased	112.752	112.752	0.000
100	C36_Unbiased	112.752	112.752	0.000
100	C37_Unbiased	112.752	112.752	0.000
100	C38_Unbiased	112.752	112.752	0.000
	Max	112.752	112.752	18.792
	Average	108.951	109.374	-0.422
	Min	93.960	93.960	-18.792
	Std Dev	7.591	7.257	4.888

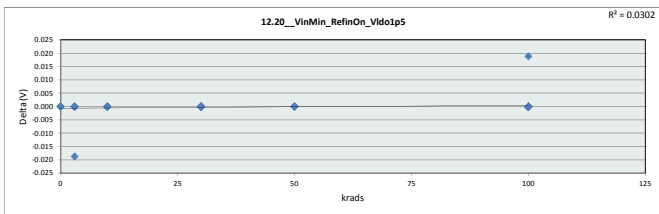


12.18_Vinmin_Refin_Hyst_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	112.752	93.960	93.960	93.960	93.960	93.960
Average	112.752	107.114	110.873	107.114	107.114	110.189
Max	112.752	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000	950.000

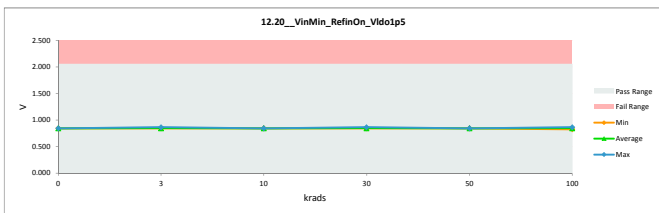


TID 100krad LDR Report
TPS7H3301-SP

12_20_VinMin_RefinOn_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.05	2.05		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.846	0.846	0.000
3	A79_Biased	0.846	0.846	0.000
3	A80_Biased	0.846	0.846	0.000
3	B1_Biased	0.846	0.846	0.000
3	B2_Biased	0.846	0.846	0.000
3	C1_Biased	0.846	0.846	0.000
3	A82_Unbiased	0.846	0.846	0.000
3	A83_Unbiased	0.846	0.846	-0.019
3	B4_Unbiased	0.846	0.846	0.000
3	B5_Unbiased	0.846	0.846	0.000
3	C2_Unbiased	0.846	0.846	0.000
10	A85_Biased	0.846	0.846	0.000
10	A86_Biased	0.846	0.846	0.000
10	B6_Biased	0.846	0.846	0.000
10	C3_Biased	0.846	0.846	0.000
10	C4_Biased	0.846	0.846	0.000
10	A87_Unbiased	0.846	0.846	0.000
10	A88_Unbiased	0.846	0.846	0.000
10	B7_Unbiased	0.846	0.846	0.000
10	C5_Unbiased	0.846	0.846	0.000
10	C6_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
30	A89_Biased	0.846	0.846	0.000
30	B8_Biased	0.846	0.846	0.000
30	B9_Biased	0.846	0.846	0.000
30	C7_Biased	0.846	0.846	0.000
30	C9_Biased	0.846	0.846	0.000
30	A90_Unbiased	0.846	0.846	0.000
30	B10_Unbiased	0.846	0.846	0.000
30	B11_Unbiased	0.846	0.846	0.000
30	C11_Unbiased	0.846	0.846	0.000
30	C12_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
0	15B_Corr	0.846	0.846	0.000
50	A92_Biased	0.846	0.846	0.000
50	A93_Biased	0.846	0.846	0.000
50	B12_Biased	0.846	0.846	0.000
50	B13_Biased	0.846	0.846	0.000
50	C14_Biased	0.846	0.846	0.000
50	A95_Unbiased	0.846	0.846	0.000
50	A96_Unbiased	0.846	0.846	0.000
50	B15_Unbiased	0.846	0.846	0.000
50	B16_Unbiased	0.846	0.846	0.000
50	C15_Unbiased	0.846	0.846	0.000
0	106_Corr	0.846	0.846	0.000
100	A97_Biased	0.846	0.846	0.000
100	A99_Biased	0.846	0.846	0.000
100	A100_Biased	0.846	0.846	0.000
100	A101_Biased	0.846	0.846	0.000
100	A102_Biased	0.846	0.846	0.000
100	A104_Biased	0.846	0.846	0.000
100	A105_Biased	0.846	0.846	0.000
100	B17_Biased	0.846	0.846	0.000
100	B18_Biased	0.846	0.846	0.000
100	B19_Biased	0.846	0.846	0.000
100	B20_Biased	0.846	0.846	0.000
100	B21_Biased	0.846	0.846	0.000
100	B24_Biased	0.846	0.846	0.000
100	B25_Biased	0.846	0.846	0.000
100	B26_Biased	0.846	0.846	0.000
100	C16_Biased	0.846	0.846	0.000
100	C17_Biased	0.846	0.846	0.000
100	C18_Biased	0.846	0.846	0.000
100	C19_Biased	0.846	0.846	0.000
100	C25_Biased	0.846	0.846	0.000
100	C26_Biased	0.846	0.846	0.000
100	C31_Biased	0.846	0.846	0.000
100	A107_Unbiased	0.846	0.846	0.000
100	A108_Unbiased	0.846	0.846	0.000
100	A109_Unbiased	0.846	0.846	0.000
100	A110_Unbiased	0.846	0.846	0.000
100	A111_Unbiased	0.846	0.846	0.000
100	A112_Unbiased	0.846	0.846	0.000
100	A113_Unbiased	0.846	0.846	0.000
100	B27_Unbiased	0.846	0.827	0.019
100	B29_Unbiased	0.846	0.846	0.000
100	B30_Unbiased	0.846	0.846	0.000
100	B31_Unbiased	0.846	0.846	0.000
100	B32_Unbiased	0.846	0.846	0.000
100	B33_Unbiased	0.846	0.846	0.000
100	B34_Unbiased	0.846	0.846	0.000
100	B35_Unbiased	0.846	0.846	0.000
100	C32_Unbiased	0.846	0.846	0.000
100	C33_Unbiased	0.846	0.846	0.000
100	C34_Unbiased	0.846	0.846	0.000
100	C35_Unbiased	0.846	0.846	0.000
100	C36_Unbiased	0.846	0.846	0.000
100	C37_Unbiased	0.846	0.846	0.000
100	C38_Unbiased	0.846	0.846	0.000
	Max	0.846	0.846	0.019
	Average	0.847	0.847	0.000
	Min	0.846	0.827	-0.019
	Std Dev	0.005	0.006	0.003

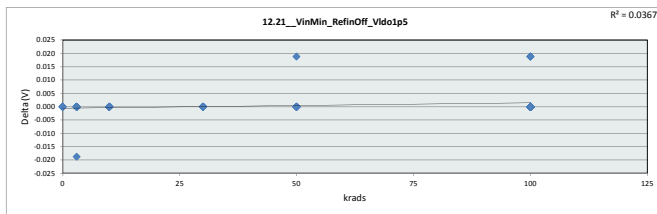


12_20_VinMin_RefinOn_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	2.05	V				
Min Limit	0	V				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.846	0.846	0.846	0.846	0.846	0.827
Average	0.846	0.847	0.846	0.847	0.846	0.847
Max	0.846	0.864	0.846	0.864	0.846	0.864
UL	2.050	2.050	2.050	2.050	2.050	2.050

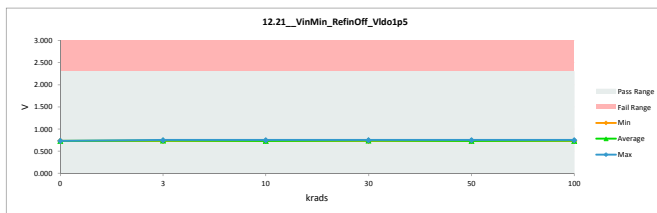


TID 100krad LDR Report
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12.21_VinMin_RefinOff_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	2.3	2.3		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.733	0.733	0.000
3	A79_Biased	0.733	0.733	0.000
3	A80_Biased	0.733	0.733	0.000
3	B1_Biased	0.733	0.752	-0.019
3	B2_Biased	0.752	0.752	0.000
3	C1_Biased	0.752	0.752	0.000
3	A82_Unbiased	0.733	0.733	0.000
3	A83_Unbiased	0.752	0.752	0.000
3	B4_Unbiased	0.733	0.733	0.000
3	B5_Unbiased	0.733	0.733	0.000
3	C2_Unbiased	0.733	0.733	0.000
10	A85_Biased	0.733	0.733	0.000
10	A86_Biased	0.733	0.733	0.000
10	B6_Biased	0.733	0.733	0.000
10	C3_Biased	0.752	0.752	0.000
10	C4_Biased	0.733	0.733	0.000
10	A87_Unbiased	0.733	0.733	0.000
10	A88_Unbiased	0.733	0.733	0.000
10	B7_Unbiased	0.733	0.733	0.000
10	C5_Unbiased	0.733	0.733	0.000
10	C6_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
30	A89_Biased	0.733	0.733	0.000
30	B8_Biased	0.752	0.752	0.000
30	B9_Biased	0.752	0.752	0.000
30	C7_Biased	0.733	0.733	0.000
30	C9_Biased	0.733	0.733	0.000
30	A90_Unbiased	0.733	0.733	0.000
30	B10_Unbiased	0.752	0.752	0.000
30	B11_Unbiased	0.733	0.733	0.000
30	C11_Unbiased	0.752	0.752	0.000
30	C12_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
0	15B_Corr	0.733	0.733	0.000
50	A92_Biased	0.733	0.733	0.000
50	A93_Biased	0.733	0.733	0.000
50	B12_Biased	0.733	0.733	0.000
50	B13_Biased	0.752	0.752	0.000
50	C14_Biased	0.733	0.733	0.000
50	A95_Unbiased	0.733	0.733	0.000
50	A96_Unbiased	0.733	0.733	0.000
50	B15_Unbiased	0.752	0.733	0.019
50	B16_Unbiased	0.752	0.752	0.000
50	C15_Unbiased	0.733	0.733	0.000
0	106_Corr	0.733	0.733	0.000
100	A97_Biased	0.733	0.733	0.000
100	A99_Biased	0.733	0.733	0.000
100	A100_Biased	0.733	0.733	0.000
100	A101_Biased	0.752	0.019	
100	A102_Biased	0.733	0.733	0.000
100	A104_Biased	0.733	0.733	0.000
100	A105_Biased	0.733	0.733	0.000
100	B17_Biased	0.752	0.752	0.000
100	B18_Biased	0.752	0.752	0.000
100	B19_Biased	0.752	0.752	0.000
100	B20_Biased	0.733	0.733	0.000
100	B21_Biased	0.733	0.733	0.000
100	B24_Biased	0.733	0.733	0.000
100	B25_Biased	0.752	0.752	0.000
100	B26_Biased	0.752	0.752	0.000
100	C16_Biased	0.733	0.733	0.000
100	C17_Biased	0.733	0.733	0.000
100	C18_Biased	0.752	0.752	0.000
100	C19_Biased	0.733	0.733	0.000
100	C25_Biased	0.733	0.733	0.000
100	C26_Biased	0.733	0.733	0.000
100	C31_Biased	0.733	0.733	0.000
100	A107_Unbiased	0.752	0.752	0.000
100	A108_Unbiased	0.733	0.733	0.000
100	A109_Unbiased	0.733	0.733	0.000
100	A110_Unbiased	0.733	0.733	0.000
100	A111_Unbiased	0.752	0.752	0.000
100	A112_Unbiased	0.733	0.733	0.000
100	A113_Unbiased	0.733	0.733	0.000
100	B27_Unbiased	0.733	0.733	0.000
100	B29_Unbiased	0.752	0.733	0.019
100	B30_Unbiased	0.733	0.733	0.000
100	B31_Unbiased	0.733	0.733	0.000
100	B32_Unbiased	0.733	0.733	0.000
100	B33_Unbiased	0.733	0.733	0.000
100	B34_Unbiased	0.733	0.733	0.000
100	B35_Unbiased	0.733	0.733	0.000
100	C32_Unbiased	0.733	0.733	0.000
100	C33_Unbiased	0.752	0.733	0.019
100	C34_Unbiased	0.733	0.733	0.000
100	C35_Unbiased	0.733	0.733	0.000
100	C36_Unbiased	0.752	0.752	0.000
100	C37_Unbiased	0.752	0.752	0.000
100	C38_Unbiased	0.733	0.733	0.000
	Max	0.752	0.752	0.019
	Average	0.736	0.737	0.001
	Min	0.733	0.733	-0.019
	Std Dev	0.008	0.008	0.004

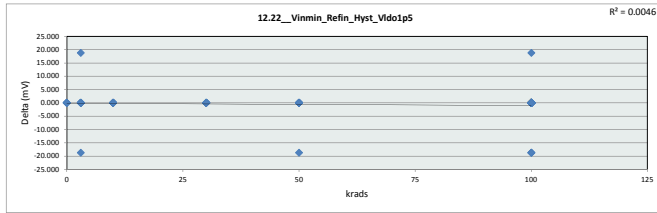


12.21_VinMin_RefinOff_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	2.3	V				
Min Limit	0	V				
Krads	LL	Min	Average	Max	UL	Pass/Fail
0	0.000	0.000	0.000	0.000	0.000	0.000
3	0.733	0.733	0.733	0.733	0.733	0.733
10	0.733	0.740	0.735	0.740	0.737	0.737
30	0.733	0.752	0.752	0.752	0.752	0.752
50	2.300	2.300	2.300	2.300	2.300	2.300
100	2.300	2.300	2.300	2.300	2.300	2.300

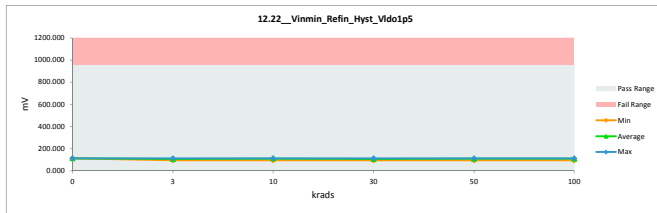


TID 100krad LDR Report
TPS7H3301-SP

12.22_Vinmin_Refin_Hyst_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950			
Min Limit	0			
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	112.752	112.752	0.000
3	A79_Biased	112.752	112.752	0.000
3	A80_Biased	112.752	112.752	0.000
3	B1_Biased	112.752	93.960	18.792
3	B2_Biased	93.960	93.960	0.000
3	C1_Biased	93.960	93.960	0.000
3	A82_Unbiased	112.752	112.752	0.000
3	A83_Unbiased	93.960	112.752	-18.792
3	B4_Unbiased	112.752	112.752	0.000
3	B5_Unbiased	112.752	112.752	0.000
3	C2_Unbiased	112.752	112.752	0.000
10	A85_Biased	112.752	112.752	0.000
10	A86_Biased	112.752	112.752	0.000
10	B6_Biased	112.752	112.752	0.000
10	C3_Biased	93.960	93.960	0.000
10	C4_Biased	112.752	112.752	0.000
10	A87_Unbiased	112.752	112.752	0.000
10	A88_Unbiased	112.752	112.752	0.000
10	B7_Unbiased	112.752	112.752	0.000
10	C5_Unbiased	112.752	112.752	0.000
10	C6_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
30	A89_Biased	112.752	112.752	0.000
30	B8_Biased	93.960	93.960	0.000
30	B9_Biased	93.960	93.960	0.000
30	C7_Biased	112.752	112.752	0.000
30	C9_Biased	112.752	112.752	0.000
30	A90_Unbiased	112.752	112.752	0.000
30	B10_Unbiased	93.960	93.960	0.000
30	B11_Unbiased	112.752	112.752	0.000
30	C11_Unbiased	112.752	112.752	0.000
30	C12_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
0	15B_Corr	112.752	112.752	0.000
50	A92_Biased	112.752	112.752	0.000
50	A93_Biased	112.752	112.752	0.000
50	B12_Biased	112.752	112.752	0.000
50	B13_Biased	93.960	93.960	0.000
50	C14_Biased	112.752	112.752	0.000
50	A95_Unbiased	112.752	112.752	0.000
50	A96_Unbiased	112.752	112.752	0.000
50	B15_Unbiased	93.960	112.752	-18.792
50	B16_Unbiased	93.960	93.960	0.000
50	C15_Unbiased	112.752	112.752	0.000
0	106_Corr	112.752	112.752	0.000
100	A97_Biased	112.752	112.752	0.000
100	A99_Biased	112.752	112.752	0.000
100	A100_Biased	112.752	112.752	0.000
100	A101_Biased	93.960	112.752	-18.792
100	A102_Biased	112.752	112.752	0.000
100	A104_Biased	112.752	112.752	0.000
100	A105_Biased	112.752	112.752	0.000
100	B17_Biased	93.960	93.960	0.000
100	B18_Biased	93.960	93.960	0.000
100	B19_Biased	93.960	93.960	0.000
100	B20_Biased	112.752	112.752	0.000
100	B21_Biased	112.752	112.752	0.000
100	B24_Biased	112.752	112.752	0.000
100	B25_Biased	112.752	112.752	0.000
100	B26_Biased	93.960	93.960	0.000
100	C16_Biased	112.752	112.752	0.000
100	C17_Biased	112.752	112.752	0.000
100	C18_Biased	112.752	112.752	0.000
100	C19_Biased	112.752	112.752	0.000
100	C25_Biased	112.752	112.752	0.000
100	C26_Biased	112.752	112.752	0.000
100	C31_Biased	112.752	112.752	0.000
100	A107_Unbiased	93.960	93.960	0.000
100	A108_Unbiased	112.752	112.752	0.000
100	A109_Unbiased	112.752	112.752	0.000
100	A110_Unbiased	112.752	112.752	0.000
100	A111_Unbiased	112.752	112.752	0.000
100	A112_Unbiased	112.752	112.752	0.000
100	A113_Unbiased	112.752	112.752	0.000
100	B27_Unbiased	112.752	93.960	18.792
100	B29_Unbiased	93.960	112.752	-18.792
100	B30_Unbiased	112.752	112.752	0.000
100	B31_Unbiased	112.752	112.752	0.000
100	B32_Unbiased	112.752	112.752	0.000
100	B33_Unbiased	112.752	112.752	0.000
100	B34_Unbiased	112.752	112.752	0.000
100	B35_Unbiased	112.752	112.752	0.000
100	C32_Unbiased	112.752	112.752	0.000
100	C33_Unbiased	93.960	112.752	-18.792
100	C34_Unbiased	112.752	112.752	0.000
100	C35_Unbiased	112.752	112.752	0.000
100	C36_Unbiased	112.752	112.752	0.000
100	C37_Unbiased	112.752	112.752	0.000
100	C38_Unbiased	112.752	112.752	0.000
	Max	112.752	112.752	18.792
	Average	108.951	109.585	-0.633
	Min	93.960	93.960	-18.792
	Std Dev	7.591	7.075	5.262

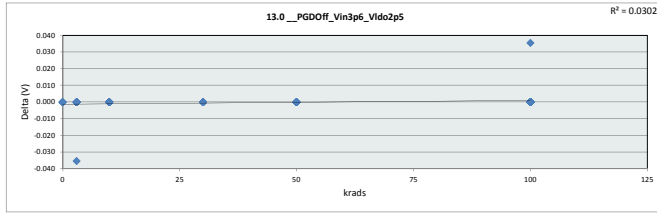


12.22_Vinmin_Refin_Hyst_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	112.752	93.960	93.960	93.960	93.960	93.960
Average	112.752	107.114	110.873	107.114	108.994	110.189
Max	112.752	112.752	112.752	112.752	112.752	112.752
UL	950.000	950.000	950.000	950.000	950.000	950.000

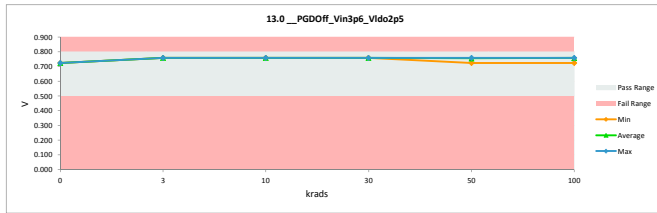


TID 100krad LDR Report
TPS7H3301-SP

13.0_PGDOff_Vin3p6_Vido2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.5	0.5		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.725	0.725	0.000
3	A79_Biased	0.760	0.760	0.000
3	A80_Biased	0.760	0.760	0.000
3	B1_Biased	0.760	0.760	0.000
3	B2_Biased	0.760	0.760	0.000
3	C1_Biased	0.760	0.760	0.000
3	A82_Unbiased	0.760	0.760	0.000
3	A83_Unbiased	0.725	0.760	-0.035
3	B4_Unbiased	0.760	0.760	0.000
3	B5_Unbiased	0.760	0.760	0.000
3	C2_Unbiased	0.760	0.760	0.000
10	A85_Biased	0.760	0.760	0.000
10	A86_Biased	0.760	0.760	0.000
10	B6_Biased	0.760	0.760	0.000
10	C3_Biased	0.760	0.760	0.000
10	C4_Biased	0.760	0.760	0.000
10	A87_Unbiased	0.760	0.760	0.000
10	A88_Unbiased	0.760	0.760	0.000
10	B7_Unbiased	0.760	0.760	0.000
10	C5_Unbiased	0.760	0.760	0.000
10	C6_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.725	0.000
30	A89_Biased	0.760	0.760	0.000
30	B8_Biased	0.760	0.760	0.000
30	B9_Biased	0.760	0.760	0.000
30	C7_Biased	0.760	0.760	0.000
30	C9_Biased	0.760	0.760	0.000
30	A90_Unbiased	0.760	0.760	0.000
30	B10_Unbiased	0.760	0.760	0.000
30	B11_Unbiased	0.760	0.760	0.000
30	C11_Unbiased	0.760	0.760	0.000
30	C12_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.725	0.000
0	15B_Corr	0.725	0.725	0.000
50	A92_Biased	0.760	0.760	0.000
50	A93_Biased	0.760	0.760	0.000
50	B12_Biased	0.760	0.760	0.000
50	B13_Biased	0.725	0.725	0.000
50	C14_Biased	0.760	0.760	0.000
50	A95_Unbiased	0.760	0.760	0.000
50	A96_Unbiased	0.760	0.760	0.000
50	B15_Unbiased	0.760	0.760	0.000
50	B16_Unbiased	0.760	0.760	0.000
50	C15_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.725	0.000
100	A97_Biased	0.760	0.760	0.000
100	A99_Biased	0.760	0.760	0.000
100	A100_Biased	0.760	0.760	0.000
100	A101_Biased	0.760	0.760	0.000
100	A102_Biased	0.760	0.760	0.000
100	A104_Biased	0.760	0.760	0.000
100	A105_Biased	0.760	0.760	0.000
100	B17_Biased	0.760	0.760	0.000
100	B18_Biased	0.760	0.760	0.000
100	B19_Biased	0.760	0.760	0.000
100	B20_Biased	0.760	0.760	0.000
100	B21_Biased	0.760	0.760	0.000
100	B24_Biased	0.760	0.760	0.000
100	B25_Biased	0.760	0.760	0.000
100	B26_Biased	0.760	0.760	0.000
100	C16_Biased	0.760	0.760	0.000
100	C17_Biased	0.760	0.760	0.000
100	C18_Biased	0.760	0.760	0.000
100	C19_Biased	0.760	0.760	0.000
100	C25_Biased	0.760	0.760	0.000
100	C26_Biased	0.760	0.760	0.000
100	C31_Biased	0.760	0.760	0.000
100	A107_Unbiased	0.760	0.760	0.000
100	A108_Unbiased	0.760	0.760	0.000
100	A109_Unbiased	0.725	0.725	0.000
100	A110_Unbiased	0.760	0.760	0.000
100	A111_Unbiased	0.760	0.760	0.000
100	A112_Unbiased	0.760	0.760	0.000
100	A113_Unbiased	0.760	0.760	0.000
100	B27_Unbiased	0.760	0.725	0.035
100	B29_Unbiased	0.760	0.760	0.000
100	B30_Unbiased	0.760	0.760	0.000
100	B31_Unbiased	0.760	0.760	0.000
100	B32_Unbiased	0.760	0.760	0.000
100	B33_Unbiased	0.760	0.760	0.000
100	B34_Unbiased	0.760	0.760	0.000
100	B35_Unbiased	0.760	0.760	0.000
100	C32_Unbiased	0.760	0.760	0.000
100	C33_Unbiased	0.760	0.760	0.000
100	C34_Unbiased	0.760	0.760	0.000
100	C35_Unbiased	0.760	0.760	0.000
100	C36_Unbiased	0.760	0.760	0.000
100	C37_Unbiased	0.760	0.760	0.000
100	C38_Unbiased	0.760	0.760	0.000
	Max	0.760	0.760	0.035
	Average	0.757	0.757	0.000
	Min	0.725	0.725	-0.035
	Std Dev	0.010	0.010	0.005

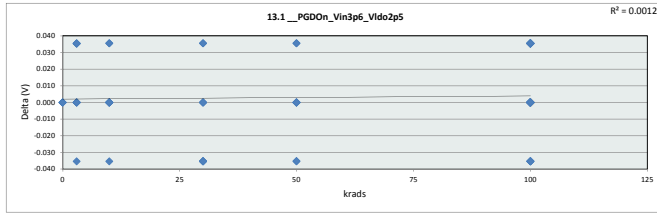


13.0_PGDOff_Vin3p6_Vido2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.5	V				
Krads	0	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.725	0.760	0.760	0.760	0.725	0.725
Average	0.725	0.760	0.760	0.760	0.757	0.758
Max	0.725	0.760	0.760	0.760	0.760	0.760
UL	0.800	0.800	0.800	0.800	0.800	0.800

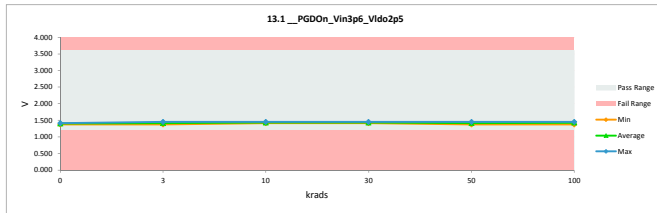


TID 100krad LDR Report
TPS7H3301-SP

13.1_PGDOn_Vin3p6_VIdo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	3.6	3.6		
Min Limit	1.2	1.2		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.414	1.414	0.000
3	A79_Biased	1.449	1.449	0.000
3	A80_Biased	1.414	1.449	-0.035
3	B1_Biased	1.449	1.449	0.000
3	B2_Biased	1.414	1.379	0.035
3	C1_Biased	1.414	1.414	0.000
3	A82_Unbiased	1.379	1.379	0.000
3	A83_Unbiased	1.414	1.379	0.035
3	B4_Unbiased	1.414	1.379	0.035
3	B5_Unbiased	1.449	1.449	0.000
3	C2_Unbiased	1.449	1.414	0.035
10	A85_Biased	1.414	1.449	-0.035
10	A86_Biased	1.449	1.449	0.000
10	B6_Biased	1.414	1.414	0.000
10	C3_Biased	1.449	1.414	0.035
10	C4_Biased	1.449	1.449	0.000
10	A87_Unbiased	1.414	1.414	0.000
10	A88_Unbiased	1.449	1.414	0.035
10	B7_Unbiased	1.449	1.449	0.000
10	C5_Unbiased	1.449	1.449	0.000
10	C6_Unbiased	1.449	1.449	0.000
0	106_Corr	1.414	1.414	0.000
30	A89_Biased	1.414	1.414	0.000
30	B8_Biased	1.414	1.449	-0.035
30	B9_Biased	1.449	1.414	0.035
30	C7_Biased	1.449	1.414	0.035
30	C9_Biased	1.449	1.449	0.000
30	A90_Unbiased	1.414	1.449	-0.035
30	B10_Unbiased	1.379	1.414	-0.035
30	B11_Unbiased	1.449	1.449	0.000
30	C11_Unbiased	1.449	-0.035	0.000
30	C12_Unbiased	1.414	1.414	0.000
0	106_Corr	1.379	1.379	0.000
0	15B_Corr	1.414	1.414	0.000
50	A92_Biased	1.449	1.414	0.035
50	A93_Biased	1.414	1.449	-0.035
50	B12_Biased	1.449	1.414	0.035
50	B13_Biased	1.379	1.414	-0.035
50	C14_Biased	1.449	1.449	0.000
50	A95_Unbiased	1.379	1.379	0.000
50	A96_Unbiased	1.449	1.449	0.000
50	B15_Unbiased	1.379	1.379	0.000
50	B16_Unbiased	1.414	1.414	0.000
50	C15_Unbiased	1.414	1.414	0.000
0	106_Corr	1.414	1.414	0.000
100	A97_Biased	1.414	1.414	0.000
100	A99_Biased	1.449	1.449	0.000
100	A100_Biased	1.414	1.414	0.000
100	A101_Biased	1.449	1.449	0.000
100	A102_Biased	1.414	1.414	0.000
100	A104_Biased	1.449	1.414	0.035
100	A105_Biased	1.414	1.379	0.035
100	B17_Biased	1.449	1.414	0.035
100	B18_Biased	1.414	1.414	0.000
100	B19_Biased	1.449	1.414	0.035
100	B20_Biased	1.449	1.449	0.000
100	B21_Biased	1.449	1.449	0.000
100	B24_Biased	1.414	1.379	0.035
100	B25_Biased	1.414	1.414	0.000
100	B26_Biased	1.449	1.449	0.000
100	C16_Biased	1.449	1.449	0.000
100	C17_Biased	1.449	1.414	0.035
100	C18_Biased	1.449	1.449	0.000
100	C19_Biased	1.449	1.414	0.035
100	C25_Biased	1.485	1.449	0.035
100	C26_Biased	1.449	1.449	0.000
100	C31_Biased	1.449	1.449	0.000
100	A107_Unbiased	1.414	1.379	0.035
100	A108_Unbiased	1.414	1.414	0.000
100	A109_Unbiased	1.379	1.414	-0.035
100	A110_Unbiased	1.414	1.414	0.000
100	A111_Unbiased	1.449	1.449	0.000
100	A112_Unbiased	1.449	1.449	0.000
100	A113_Unbiased	1.414	1.414	0.000
100	B27_Unbiased	1.414	1.379	0.035
100	B29_Unbiased	1.449	1.449	0.000
100	B30_Unbiased	1.414	1.449	-0.035
100	B31_Unbiased	1.449	1.414	0.035
100	B32_Unbiased	1.414	1.449	-0.035
100	B33_Unbiased	1.449	1.449	0.000
100	B34_Unbiased	1.414	1.414	0.000
100	B35_Unbiased	1.449	1.449	0.000
100	C32_Unbiased	1.414	1.449	-0.035
100	C33_Unbiased	1.449	1.449	0.000
100	C34_Unbiased	1.449	1.449	0.000
100	C35_Unbiased	1.414	1.414	0.000
100	C36_Unbiased	1.414	1.449	-0.035
100	C37_Unbiased	1.449	1.449	0.000
100	C38_Unbiased	1.414	1.414	0.000
	Max	1.485	1.449	0.035
	Average	1.429	1.426	0.003
	Min	1.379	1.379	-0.035
	Std Dev	0.023	0.024	0.022

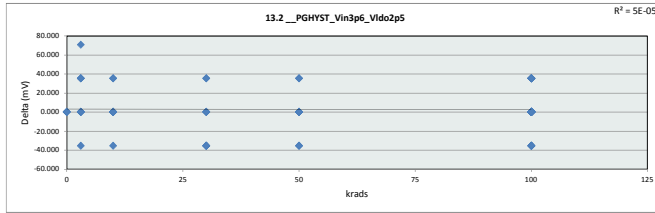


13.1_PGDOn_Vin3p6_VIdo2p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	3.6 V					
Min Limit	1.2 V					
Krads	0	3	10	30	50	100
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.379	1.379	1.414	1.414	1.379	1.379
Average	1.407	1.414	1.435	1.432	1.418	1.429
Max	1.414	1.450	1.450	1.450	1.450	1.450
UL	3.600	3.600	3.600	3.600	3.600	3.600

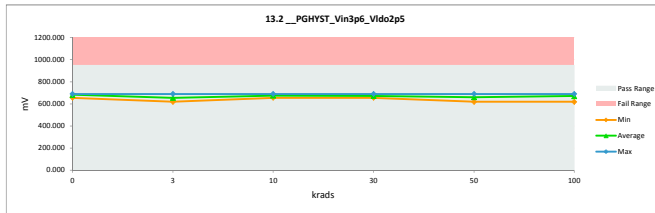


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13.2_PGHYST_Vin3p6_VIdo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	689.394	689.394	0.000
3	A79_Biased	689.394	689.394	0.000
3	A80_Biased	654.040	689.394	-35.354
3	B1_Biased	689.394	689.394	0.000
3	B2_Biased	654.040	618.687	35.353
3	C1_Biased	654.040	654.040	0.000
3	A82_Unbiased	618.687	618.687	0.000
3	A83_Unbiased	689.394	618.687	70.707
3	B4_Unbiased	654.040	618.687	35.353
3	B5_Unbiased	689.394	689.394	0.000
3	C2_Unbiased	689.394	654.040	35.354
10	A85_Biased	654.040	689.394	-35.354
10	A86_Biased	689.394	689.394	0.000
10	B6_Biased	654.040	654.040	0.000
10	C3_Biased	689.394	654.040	35.354
10	C4_Biased	689.394	689.394	0.000
10	A87_Unbiased	654.040	654.040	0.000
10	A88_Unbiased	689.394	654.040	35.354
10	B7_Unbiased	689.394	689.394	0.000
10	C5_Unbiased	689.394	689.394	0.000
10	C6_Unbiased	689.394	689.394	0.000
0	106_Corr	689.394	689.394	0.000
30	A89_Biased	654.040	654.040	0.000
30	B8_Biased	654.040	689.394	-35.354
30	B9_Biased	689.394	654.040	35.354
30	C7_Biased	689.394	654.040	35.354
30	C8_Biased	689.394	689.394	0.000
30	A90_Unbiased	654.040	689.394	-35.354
30	B10_Unbiased	618.687	654.040	-35.353
30	B11_Unbiased	689.394	689.394	0.000
30	C11_Unbiased	654.040	689.394	-35.354
30	C12_Unbiased	654.040	654.040	0.000
0	106_Corr	654.040	654.040	0.000
0	15B_Corr	689.394	689.394	0.000
50	A92_Biased	689.394	654.040	35.354
50	A93_Biased	654.040	689.394	-35.354
50	B12_Biased	689.394	654.040	35.354
50	B13_Biased	654.040	689.394	-35.354
50	C14_Biased	689.394	689.394	0.000
50	A95_Unbiased	618.687	618.687	0.000
50	A96_Unbiased	689.394	689.394	0.000
50	B15_Unbiased	618.687	618.687	0.000
50	B16_Unbiased	654.040	654.040	0.000
50	C15_Unbiased	654.040	654.040	0.000
0	106_Corr	689.394	689.394	0.000
100	A97_Biased	654.040	654.040	0.000
100	A99_Biased	689.394	689.394	0.000
100	A100_Biased	654.040	654.040	0.000
100	A101_Biased	689.394	689.394	0.000
100	A102_Biased	654.040	654.040	0.000
100	A104_Biased	689.394	654.040	35.354
100	A105_Biased	654.040	618.687	35.353
100	B17_Biased	689.394	654.040	35.354
100	B18_Biased	654.040	654.040	0.000
100	B19_Biased	689.394	654.040	35.354
100	B20_Biased	689.394	689.394	0.000
100	B21_Biased	689.394	689.394	0.000
100	B24_Biased	654.040	618.687	35.353
100	B25_Biased	654.040	654.040	0.000
100	B26_Biased	689.394	689.394	0.000
100	C16_Biased	689.394	689.394	0.000
100	C17_Biased	689.394	654.040	35.354
100	C18_Biased	689.394	689.394	0.000
100	C19_Biased	689.394	654.040	35.354
100	C25_Biased	724.747	689.394	35.353
100	C26_Biased	689.394	689.394	0.000
100	C31_Biased	689.394	689.394	0.000
100	A107_Unbiased	654.040	618.687	35.353
100	A108_Unbiased	654.040	654.040	0.000
100	A109_Unbiased	654.040	689.394	-35.354
100	A110_Unbiased	654.040	654.040	0.000
100	A111_Unbiased	689.394	689.394	0.000
100	A112_Unbiased	689.394	689.394	0.000
100	A113_Unbiased	654.040	654.040	0.000
100	B27_Unbiased	654.040	654.040	0.000
100	B29_Unbiased	689.394	689.394	0.000
100	B30_Unbiased	630.040	689.394	-35.354
100	B31_Unbiased	689.394	654.040	35.354
100	B32_Unbiased	654.040	689.394	-35.354
100	B33_Unbiased	689.394	689.394	0.000
100	B34_Unbiased	654.040	654.040	0.000
100	B35_Unbiased	689.394	689.394	0.000
100	C32_Unbiased	654.040	689.394	-35.354
100	C33_Unbiased	689.394	689.394	0.000
100	C34_Unbiased	689.394	689.394	0.000
100	C35_Unbiased	654.040	654.040	0.000
100	C36_Unbiased	654.040	689.394	-35.354
100	C37_Unbiased	689.394	689.394	0.000
100	C38_Unbiased	654.040	654.040	0.000
	Max	724.747	689.394	70.707
	Average	671.916	668.738	3.178
	Min	618.687	618.687	-35.354
	Std Dev	21.401	23.721	22.385

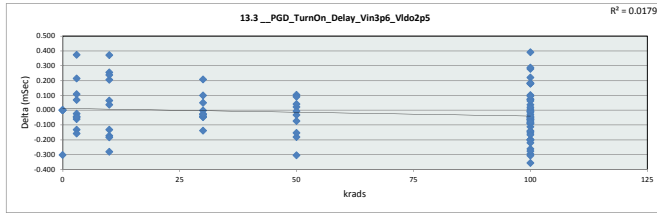


13.2_PGHYST_Vin3p6_VIdo2						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	950					
Min Limit	0					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	654.040	618.687	654.040	654.040	618.687	618.687
Average	682.323	654.040	675.252	671.717	661.111	670.110
Max	689.394	689.394	689.394	689.394	689.394	689.394
UL	950.000	950.000	950.000	950.000	950.000	950.000

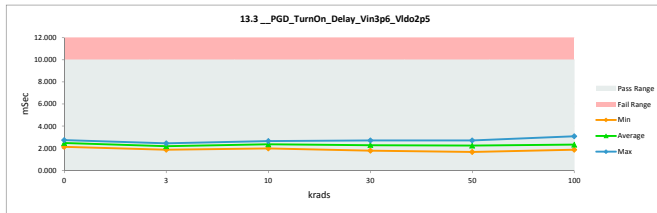


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13.3_PGD_TurnOn_Delay_Vin3				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10	10		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.141	2.141	0.000
3	A79_Biased	2.255	1.882	0.373
3	A80_Biased	2.333	2.465	-0.132
3	B1_Biased	2.255	2.187	0.068
3	B2_Biased	1.848	1.910	-0.062
3	C1_Biased	2.300	2.324	-0.024
3	A82_Unbiased	2.214	2.001	0.213
3	A83_Unbiased	2.285	2.328	-0.043
3	B4_Unbiased	2.056	2.215	-0.159
3	B5_Unbiased	2.447	2.340	0.107
3	C2_Unbiased	2.260	2.309	-0.049
10	A85_Biased	2.319	2.254	0.065
10	A86_Biased	2.455	2.588	-0.133
10	B6_Biased	2.605	2.234	0.371
10	C3_Biased	2.353	2.527	-0.174
10	C4_Biased	2.480	2.444	0.036
10	A87_Unbiased	2.209	2.003	0.206
10	A88_Unbiased	2.457	2.202	0.255
10	B7_Unbiased	1.993	2.177	-0.184
10	C5_Unbiased	2.163	2.444	-0.281
10	C6_Unbiased	2.898	2.661	0.237
0	106_Corr	2.451	2.451	0.000
30	A89_Biased	1.887	1.788	0.099
30	B8_Biased	2.309	2.447	-0.138
30	B9_Biased	2.081	2.125	-0.044
30	C7_Biased	2.771	2.722	0.049
30	C9_Biased	2.856	2.648	0.208
30	A90_Unbiased	1.927	1.975	-0.048
30	B10_Unbiased	2.031	2.057	-0.026
30	B11_Unbiased	2.286	2.289	-0.003
30	C11_Unbiased	2.205	2.246	-0.041
30	C12_Unbiased	2.606	2.634	-0.028
0	106_Corr	2.635	2.635	0.000
0	15B_Corr	2.393	2.393	0.000
50	A92_Biased	2.177	2.210	-0.033
50	A93_Biased	2.301	2.301	0.000
50	B12_Biased	2.148	2.329	-0.181
50	B13_Biased	1.725	1.684	0.041
50	C14_Biased	2.260	2.565	-0.305
50	A95_Unbiased	2.238	2.312	-0.074
50	A96_Unbiased	2.194	2.090	0.104
50	B15_Unbiased	2.218	2.128	0.090
50	B16_Unbiased	2.122	2.275	-0.153
50	C15_Unbiased	2.703	2.711	-0.008
0	106_Corr	2.451	2.451	0.000
100	A97_Biased	2.283	2.482	-0.199
100	A99_Biased	2.151	2.355	-0.204
100	A100_Biased	2.354	2.494	-0.140
100	A101_Biased	2.152	2.180	-0.028
100	A102_Biased	2.124	2.420	-0.296
100	A104_Biased	2.270	2.318	-0.048
100	A105_Biased	1.841	1.907	-0.066
100	B17_Biased	2.276	2.202	0.074
100	B18_Biased	1.859	1.972	-0.113
100	B19_Biased	2.152	2.307	-0.155
100	B20_Biased	2.162	2.090	0.072
100	B21_Biased	2.260	2.273	-0.013
100	B24_Biased	2.238	2.137	0.101
100	B25_Biased	2.421	2.031	0.390
100	B26_Biased	2.190	2.272	-0.082
100	C16_Biased	2.655	2.798	-0.143
100	C17_Biased	2.373	2.731	-0.358
100	C18_Biased	2.349	2.549	-0.199
100	C19_Biased	2.696	2.516	0.180
100	C25_Biased	2.445	2.224	0.221
100	C26_Biased	2.772	3.080	-0.308
100	C31_Biased	2.580	2.842	-0.262
100	A107_Unbiased	1.949	2.116	-0.167
100	A108_Unbiased	2.137	2.229	-0.092
100	A109_Unbiased	1.922	1.885	0.037
100	A110_Unbiased	2.452	2.173	0.279
100	A111_Unbiased	2.400	2.395	0.005
100	A112_Unbiased	2.073	2.077	-0.004
100	A113_Unbiased	1.794	1.861	-0.067
100	B27_Unbiased	2.047	2.103	-0.056
100	B29_Unbiased	2.497	2.560	-0.063
100	B30_Unbiased	2.038	2.047	-0.009
100	B31_Unbiased	2.699	2.413	0.286
100	B32_Unbiased	2.136	2.073	0.063
100	B33_Unbiased	1.998	2.275	-0.277
100	B34_Unbiased	2.411	2.377	-0.091
100	B35_Unbiased	2.441	2.346	0.095
100	C32_Unbiased	2.227	2.274	-0.047
100	C33_Unbiased	2.351	2.393	-0.042
100	C34_Unbiased	2.389	2.370	0.019
100	C35_Unbiased	2.713	2.533	0.180
100	C36_Unbiased	2.336	2.558	-0.222
100	C37_Unbiased	2.744	2.561	0.183
100	C38_Unbiased	2.630	2.710	-0.080
	Max	2.898	3.080	0.390
	Average	2.293	2.312	-0.019
	Min	1.725	1.684	-0.358
	Std Dev	0.252	0.259	0.162

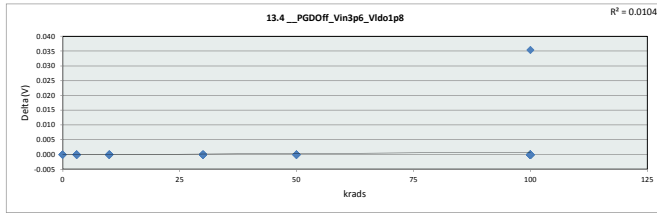


13.3_PGD_TurnOn_Delay_Vin3p6_Vldo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	10	mSec				
Min Limit	0	mSec				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.141	1.882	2.003	1.788	1.684	1.861
Average	2.475	2.196	2.353	2.293	2.258	2.327
Max	2.754	2.465	2.661	2.722	2.711	3.080
UL	10.000	10.000	10.000	10.000	10.000	10.000

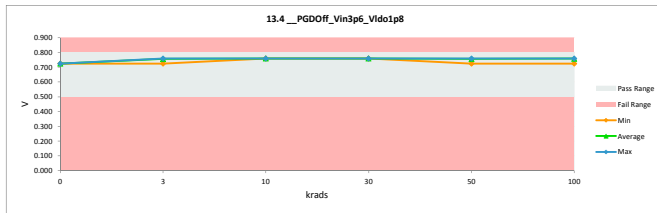


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13.4 PGDOFF_Vin3p6_Vido1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.5	0.5		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.725	0.725	0.000
3	A79_Biased	0.760	0.760	0.000
3	A80_Biased	0.760	0.760	0.000
3	B1_Biased	0.760	0.760	0.000
3	B2_Biased	0.760	0.760	0.000
3	C1_Biased	0.760	0.760	0.000
3	A82_Unbiased	0.760	0.760	0.000
3	A83_Unbiased	0.725	0.725	0.000
3	B4_Unbiased	0.760	0.760	0.000
3	B5_Unbiased	0.760	0.760	0.000
3	C2_Unbiased	0.760	0.760	0.000
10	A85_Biased	0.760	0.760	0.000
10	A86_Biased	0.760	0.760	0.000
10	B6_Biased	0.760	0.760	0.000
10	C3_Biased	0.760	0.760	0.000
10	C4_Biased	0.760	0.760	0.000
10	A87_Unbiased	0.760	0.760	0.000
10	A88_Unbiased	0.760	0.760	0.000
10	B7_Unbiased	0.760	0.760	0.000
10	C5_Unbiased	0.760	0.760	0.000
10	C6_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.725	0.000
30	A89_Biased	0.760	0.760	0.000
30	B8_Biased	0.760	0.760	0.000
30	B9_Biased	0.760	0.760	0.000
30	C7_Biased	0.760	0.760	0.000
30	C9_Biased	0.760	0.760	0.000
30	A90_Unbiased	0.760	0.760	0.000
30	B10_Unbiased	0.760	0.760	0.000
30	B11_Unbiased	0.760	0.760	0.000
30	C11_Unbiased	0.760	0.760	0.000
30	C12_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.725	0.000
0	15B_Corr	0.725	0.725	0.000
50	A92_Biased	0.760	0.760	0.000
50	A93_Biased	0.760	0.760	0.000
50	B12_Biased	0.760	0.760	0.000
50	B13_Biased	0.725	0.725	0.000
50	C14_Biased	0.760	0.760	0.000
50	A95_Unbiased	0.760	0.760	0.000
50	A96_Unbiased	0.760	0.760	0.000
50	B15_Unbiased	0.760	0.760	0.000
50	B16_Unbiased	0.760	0.760	0.000
50	C15_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.725	0.000
100	A97_Biased	0.760	0.760	0.000
100	A99_Biased	0.760	0.760	0.000
100	A100_Biased	0.760	0.760	0.000
100	A101_Biased	0.760	0.760	0.000
100	A102_Biased	0.760	0.760	0.000
100	A104_Biased	0.760	0.760	0.000
100	A105_Biased	0.760	0.760	0.000
100	B17_Biased	0.760	0.760	0.000
100	B18_Biased	0.760	0.760	0.000
100	B19_Biased	0.760	0.760	0.000
100	B20_Biased	0.760	0.760	0.000
100	B21_Biased	0.760	0.760	0.000
100	B24_Biased	0.760	0.760	0.000
100	B25_Biased	0.760	0.760	0.000
100	B26_Biased	0.760	0.760	0.000
100	C16_Biased	0.760	0.760	0.000
100	C17_Biased	0.760	0.760	0.000
100	C18_Biased	0.760	0.760	0.000
100	C19_Biased	0.760	0.760	0.000
100	C25_Biased	0.760	0.760	0.000
100	C26_Biased	0.760	0.760	0.000
100	C31_Biased	0.760	0.760	0.000
100	A107_Unbiased	0.760	0.760	0.000
100	A108_Unbiased	0.760	0.760	0.000
100	A109_Unbiased	0.725	0.725	0.000
100	A110_Unbiased	0.760	0.760	0.000
100	A111_Unbiased	0.760	0.760	0.000
100	A112_Unbiased	0.760	0.760	0.000
100	A113_Unbiased	0.760	0.760	0.000
100	B27_Unbiased	0.760	0.725	0.035
100	B29_Unbiased	0.760	0.760	0.000
100	B30_Unbiased	0.760	0.760	0.000
100	B31_Unbiased	0.760	0.760	0.000
100	B32_Unbiased	0.760	0.760	0.000
100	B33_Unbiased	0.760	0.760	0.000
100	B34_Unbiased	0.760	0.760	0.000
100	B35_Unbiased	0.760	0.760	0.000
100	C32_Unbiased	0.760	0.760	0.000
100	C33_Unbiased	0.760	0.760	0.000
100	C34_Unbiased	0.760	0.760	0.000
100	C35_Unbiased	0.760	0.760	0.000
100	C36_Unbiased	0.760	0.760	0.000
100	C37_Unbiased	0.760	0.760	0.000
100	C38_Unbiased	0.760	0.760	0.000
	Max	0.760	0.760	0.035
	Average	0.757	0.757	0.000
	Min	0.725	0.725	0.000
	Std Dev	0.010	0.011	0.004

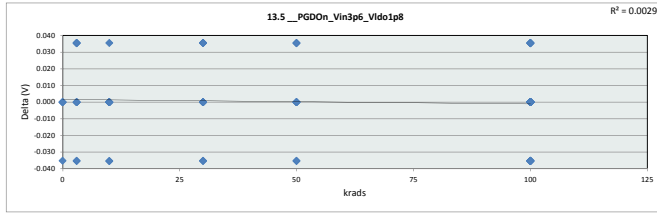


13.4 PGDOFF_Vin3p6_Vido1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.5	V				
Krads	0	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.725	0.725	0.760	0.760	0.725	0.725
Average	0.725	0.757	0.760	0.760	0.757	0.758
Max	0.725	0.760	0.760	0.760	0.760	0.760
UL	0.800	0.800	0.800	0.800	0.800	0.800

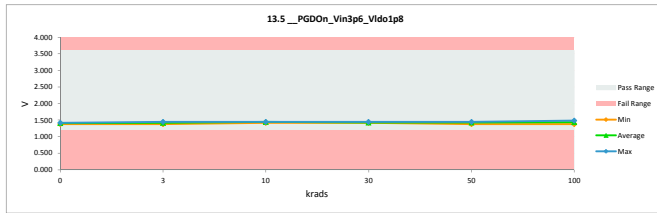


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13.5_PGDOn_Vin3p6_VIdo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	3.6	3.6		
Min Limit	1.2	1.2		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.414	1.414	0.000
3	A79_Biased	1.449	1.414	0.035
3	A80_Biased	1.414	1.449	-0.035
3	B1_Biased	1.449	1.414	0.035
3	B2_Biased	1.414	1.414	0.000
3	C1_Biased	1.449	1.449	0.000
3	A82_Unbiased	1.379	1.414	-0.035
3	A83_Unbiased	1.414	1.379	0.035
3	B4_Unbiased	1.414	1.414	0.000
3	B5_Unbiased	1.449	1.414	0.035
3	C2_Unbiased	1.449	1.449	0.000
10	A85_Biased	1.449	1.449	0.000
10	A86_Biased	1.449	1.449	0.000
10	B6_Biased	1.414	1.414	0.000
10	C3_Biased	1.449	1.449	0.000
10	C4_Biased	1.449	1.449	0.000
10	A87_Unbiased	1.449	1.414	0.035
10	A88_Unbiased	1.449	1.449	0.000
10	B7_Unbiased	1.414	1.449	-0.035
10	C5_Unbiased	1.414	1.449	-0.035
10	C6_Unbiased	1.449	1.449	0.000
0	106_Corr	1.379	1.379	0.000
30	A89_Biased	1.414	1.414	0.000
30	B8_Biased	1.414	1.414	0.000
30	B9_Biased	1.449	1.414	0.035
30	C7_Biased	1.449	1.449	0.000
30	C9_Biased	1.449	1.414	0.035
30	A90_Unbiased	1.449	1.449	0.000
30	B10_Unbiased	1.379	1.414	-0.035
30	B11_Unbiased	1.414	1.449	-0.035
30	C11_Unbiased	1.414	1.414	0.000
30	C12_Unbiased	1.449	1.449	0.000
0	106_Corr	1.414	1.414	0.000
0	15B_Corr	1.414	1.414	0.000
50	A92_Biased	1.449	1.449	0.000
50	A93_Biased	1.414	1.449	-0.035
50	B12_Biased	1.449	1.449	0.000
50	B13_Biased	1.379	1.414	-0.035
50	C14_Biased	1.449	1.414	0.035
50	A95_Unbiased	1.414	1.414	0.000
50	A96_Unbiased	1.449	1.414	0.035
50	B15_Unbiased	1.414	1.379	0.035
50	B16_Unbiased	1.414	1.414	0.000
50	C15_Unbiased	1.449	1.449	0.000
0	106_Corr	1.379	1.414	-0.035
100	A97_Biased	1.414	1.414	0.000
100	A99_Biased	1.449	1.414	0.035
100	A100_Biased	1.379	1.414	-0.035
100	A101_Biased	1.449	1.449	0.000
100	A102_Biased	1.449	1.449	0.000
100	A104_Biased	1.449	1.449	0.000
100	A105_Biased	1.414	1.414	0.000
100	B17_Biased	1.449	1.449	0.000
100	B18_Biased	1.414	1.379	0.035
100	B19_Biased	1.449	1.449	0.000
100	B20_Biased	1.449	1.449	0.000
100	B21_Biased	1.449	1.449	0.000
100	B24_Biased	1.379	1.414	-0.035
100	B25_Biased	1.449	1.414	0.035
100	B26_Biased	1.449	1.414	0.035
100	C16_Biased	1.449	1.449	0.000
100	C17_Biased	1.449	1.414	0.035
100	C18_Biased	1.449	1.449	0.000
100	C19_Biased	1.414	1.449	-0.035
100	C25_Biased	1.485	1.485	0.000
100	C26_Biased	1.449	1.449	0.000
100	C31_Biased	1.414	1.414	0.000
100	A107_Unbiased	1.414	1.414	0.000
100	A108_Unbiased	1.449	1.449	0.000
100	A109_Unbiased	1.379	1.414	-0.035
100	A110_Unbiased	1.414	1.414	0.000
100	A111_Unbiased	1.414	1.449	-0.035
100	A112_Unbiased	1.449	1.449	0.000
100	A113_Unbiased	1.414	1.414	0.000
100	B27_Unbiased	1.414	1.414	0.000
100	B29_Unbiased	1.449	1.449	0.000
100	B30_Unbiased	1.449	1.449	0.000
100	B31_Unbiased	1.449	1.449	0.000
100	B32_Unbiased	1.449	1.449	0.000
100	B33_Unbiased	1.449	1.449	0.000
100	B34_Unbiased	1.414	1.379	0.035
100	B35_Unbiased	1.449	1.449	0.000
100	C32_Unbiased	1.414	1.449	-0.035
100	C33_Unbiased	1.449	1.449	0.000
100	C34_Unbiased	1.449	1.449	0.000
100	C35_Unbiased	1.449	1.449	0.000
100	C36_Unbiased	1.414	1.449	-0.035
100	C37_Unbiased	1.414	1.449	-0.035
100	C38_Unbiased	1.449	1.449	0.000
	Max	1.485	1.485	0.035
	Average	1.431	1.431	0.000
	Min	1.379	1.379	-0.035
	Std Dev	0.024	0.022	0.022

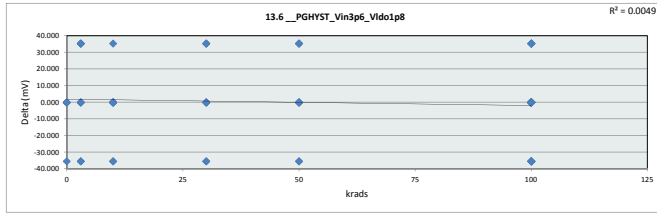


13.5_PGDOn_Vin3p6_VIdo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	3.6	V				
Min Limit	1.2	V				
Krads	0	3	10	30	50	100
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.379	1.379	1.414	1.414	1.379	1.379
Average	1.407	1.421	1.442	1.428	1.425	1.436
Max	1.414	1.450	1.450	1.450	1.450	1.485
UL	3.600	3.600	3.600	3.600	3.600	3.600

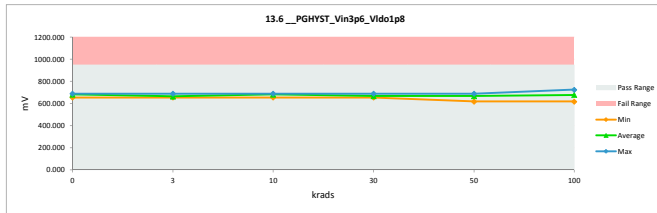


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13.6_PGHYST_Vin3p6_Vldo1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	689.394	689.394	0.000
3	A79_Biased	689.394	654.040	35.354
3	A80_Biased	654.040	689.394	-35.354
3	B1_Biased	689.394	654.040	35.354
3	B2_Biased	654.040	654.040	0.000
3	C1_Biased	689.394	689.394	0.000
3	A82_Unbiased	618.687	654.040	-35.353
3	A83_Unbiased	689.394	654.040	35.354
3	B4_Unbiased	654.040	654.040	0.000
3	B5_Unbiased	689.394	654.040	35.354
3	C2_Unbiased	689.394	689.394	0.000
10	A85_Biased	689.394	689.394	0.000
10	A86_Biased	689.394	689.394	0.000
10	B6_Biased	654.040	654.040	0.000
10	C3_Biased	689.394	689.394	0.000
10	C4_Biased	689.394	689.394	0.000
10	A87_Unbiased	689.394	654.040	35.354
10	A88_Unbiased	689.394	689.394	0.000
10	B7_Unbiased	654.040	689.394	-35.354
10	C5_Unbiased	654.040	689.394	-35.354
10	C6_Unbiased	689.394	689.394	0.000
0	106_Corr	654.040	654.040	0.000
30	A89_Biased	654.040	654.040	0.000
30	B8_Biased	654.040	654.040	0.000
30	B9_Biased	689.394	654.040	35.354
30	C7_Biased	689.394	689.394	0.000
30	C9_Biased	689.394	654.040	35.354
30	A90_Unbiased	689.394	689.394	0.000
30	B10_Unbiased	618.687	654.040	-35.353
30	B11_Unbiased	654.040	689.394	-35.354
30	C11_Unbiased	689.394	654.040	35.354
30	C12_Unbiased	689.394	689.394	0.000
0	106_Corr	689.394	689.394	0.000
0	15B_Corr	689.394	689.394	0.000
50	A92_Biased	689.394	689.394	0.000
50	A93_Biased	654.040	689.394	-35.354
50	B12_Biased	689.394	689.394	0.000
50	B13_Biased	654.040	689.394	-35.354
50	C14_Biased	689.394	654.040	35.354
50	A95_Unbiased	654.040	654.040	0.000
50	A96_Unbiased	689.394	654.040	35.354
50	B15_Unbiased	654.040	618.687	35.353
50	B16_Unbiased	654.040	654.040	0.000
50	C15_Unbiased	689.394	689.394	0.000
0	106_Corr	654.040	689.394	-35.354
100	A97_Biased	654.040	654.040	0.000
100	A99_Biased	689.394	654.040	35.354
100	A100_Biased	618.687	654.040	-35.353
100	A101_Biased	689.394	689.394	0.000
100	A102_Biased	689.394	689.394	0.000
100	A104_Biased	689.394	689.394	0.000
100	A105_Biased	654.040	654.040	0.000
100	B17_Biased	689.394	689.394	0.000
100	B18_Biased	654.040	618.687	35.353
100	B19_Biased	689.394	689.394	0.000
100	B20_Biased	689.394	689.394	0.000
100	B21_Biased	689.394	689.394	0.000
100	B24_Biased	618.687	654.040	-35.353
100	B25_Biased	689.394	654.040	35.354
100	B26_Biased	689.394	654.040	35.354
100	C16_Biased	689.394	689.394	0.000
100	C17_Biased	689.394	654.040	35.354
100	C18_Biased	689.394	689.394	0.000
100	C19_Biased	654.040	689.394	-35.354
100	C25_Biased	724.747	724.747	0.000
100	C26_Biased	689.394	689.394	0.000
100	C31_Biased	654.040	654.040	0.000
100	A107_Unbiased	654.040	654.040	0.000
100	A108_Unbiased	689.394	689.394	0.000
100	A109_Unbiased	654.040	689.394	-35.354
100	A110_Unbiased	654.040	654.040	0.000
100	A111_Unbiased	654.040	689.394	-35.354
100	A112_Unbiased	689.394	689.394	0.000
100	A113_Unbiased	654.040	654.040	0.000
100	B27_Unbiased	654.040	689.394	-35.354
100	B29_Unbiased	689.394	689.394	0.000
100	B30_Unbiased	689.394	689.394	0.000
100	B31_Unbiased	689.394	689.394	0.000
100	B32_Unbiased	689.394	689.394	0.000
100	B33_Unbiased	689.394	689.394	0.000
100	B34_Unbiased	654.040	618.687	35.353
100	B35_Unbiased	689.394	689.394	0.000
100	C32_Unbiased	654.040	689.394	-35.354
100	C33_Unbiased	689.394	689.394	0.000
100	C34_Unbiased	689.394	689.394	0.000
100	C35_Unbiased	689.394	689.394	0.000
100	C36_Unbiased	654.040	689.394	-35.354
100	C37_Unbiased	654.040	689.394	-35.354
100	C38_Unbiased	689.394	689.394	0.000
	Max	724.747	724.747	35.354
	Average	674.299	674.696	-0.397
	Min	618.687	618.687	-35.354
	Std Dev	21.244	20.510	22.293

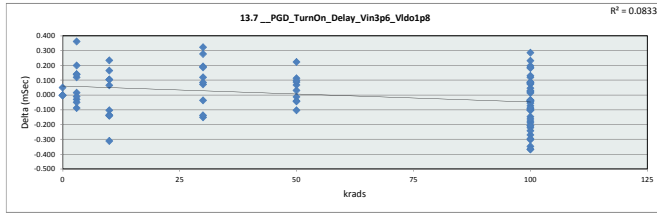


13.6_PGHYST_Vin3p6_Vldo1p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	654.040	654.040	654.040	654.040	618.687	618.687
Average	682.323	664.646	682.323	668.182	668.182	677.342
Max	689.394	689.394	689.394	689.394	689.394	724.747
UL	950.000	950.000	950.000	950.000	950.000	950.000

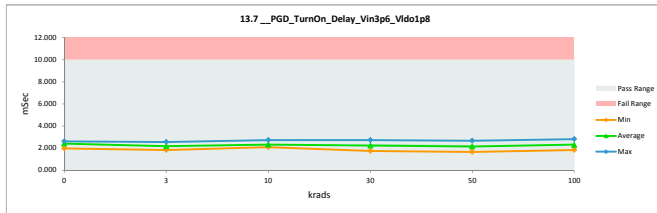


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13.7_PGD_TurnOn_Delay_Vin3				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10			
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.985	1.985	0.000
3	A79_Biased	2.145	2.026	0.119
3	A80_Biased	2.310	2.169	0.141
3	B1_Biased	2.497	2.134	0.363
3	B2_Biased	1.994	1.855	0.139
3	C1_Biased	2.373	2.460	-0.087
3	A82_Unbiased	2.110	2.139	-0.029
3	A83_Unbiased	2.176	2.225	-0.049
3	B4_Unbiased	2.262	2.062	0.200
3	B5_Unbiased	2.341	2.325	0.016
3	C2_Unbiased	2.552	2.562	-0.010
10	A85_Biased	2.347	2.181	0.166
10	A86_Biased	2.350	2.484	-0.134
10	B6_Biased	2.421	2.732	-0.311
10	C3_Biased	2.248	2.350	-0.102
10	C4_Biased	2.464	2.359	0.105
10	A87_Unbiased	1.964	2.102	-0.138
10	A88_Unbiased	2.389	2.154	0.235
10	B7_Unbiased	2.228	2.163	0.065
10	C5_Unbiased	2.112	2.251	-0.139
10	C6_Unbiased	2.754	2.648	0.106
0	106_Corr	2.632	2.632	0.000
30	A89_Biased	1.869	1.749	0.120
30	B8_Biased	2.524	2.201	0.323
30	B9_Biased	2.178	2.106	0.072
30	C7_Biased	2.970	2.692	0.278
30	C9_Biased	2.727	2.727	-0.150
30	A90_Unbiased	2.248	2.055	0.193
30	B10_Unbiased	2.232	2.046	0.186
30	B11_Unbiased	2.125	2.161	-0.036
30	C11_Unbiased	2.181	2.319	-0.138
30	C12_Unbiased	2.543	2.457	0.086
0	106_Corr	2.467	2.467	0.000
0	15B_Corr	2.375	2.375	0.000
50	A92_Biased	2.300	2.187	0.113
50	A93_Biased	2.061	2.073	-0.012
50	B12_Biased	2.043	2.146	-0.103
50	B13_Biased	1.700	1.669	0.031
50	C14_Biased	2.190	2.230	-0.040
50	A95_Unbiased	2.359	2.291	0.068
50	A96_Unbiased	2.358	2.134	0.224
50	B15_Unbiased	2.190	2.102	0.088
50	B16_Unbiased	2.304	2.206	0.098
50	C15_Unbiased	2.645	2.688	-0.043
0	106_Corr	2.632	2.632	0.000
100	A97_Biased	2.267	2.247	0.020
100	A99_Biased	2.394	2.430	-0.036
100	A100_Biased	2.104	2.280	-0.176
100	A101_Biased	2.538	2.251	0.287
100	A102_Biased	2.150	2.496	-0.346
100	A104_Biased	2.159	2.345	-0.186
100	A105_Biased	2.086	1.853	0.233
100	B17_Biased	1.983	2.056	-0.073
100	B18_Biased	1.973	1.918	-0.045
100	B19_Biased	2.095	2.184	-0.089
100	B20_Biased	1.864	2.165	-0.301
100	B21_Biased	2.158	2.258	-0.100
100	B24_Biased	2.114	1.993	0.121
100	B25_Biased	2.154	2.423	-0.269
100	B26_Biased	2.262	2.131	0.131
100	C16_Biased	2.676	2.648	0.028
100	C17_Biased	2.574	2.527	0.047
100	C18_Biased	2.176	2.470	-0.294
100	C19_Biased	2.732	2.545	0.187
100	C25_Biased	2.369	2.576	-0.207
100	C26_Biased	2.758	2.674	0.084
100	C31_Biased	2.730	2.832	-0.102
100	A107_Unbiased	2.057	2.091	-0.034
100	A108_Unbiased	2.258	2.061	0.197
100	A109_Unbiased	1.929	2.074	-0.145
100	A110_Unbiased	2.464	2.281	0.183
100	A111_Unbiased	2.234	2.454	-0.220
100	A112_Unbiased	2.170	2.082	0.088
100	A113_Unbiased	1.757	1.963	-0.206
100	B27_Unbiased	1.893	2.055	-0.162
100	B29_Unbiased	2.561	2.547	0.014
100	B30_Unbiased	1.935	2.035	-0.100
100	B31_Unbiased	2.350	2.387	-0.037
100	B32_Unbiased	2.040	1.965	0.075
100	B33_Unbiased	2.199	2.439	-0.240
100	B34_Unbiased	2.267	2.201	-0.041
100	B35_Unbiased	2.267	2.634	-0.367
100	C32_Unbiased	2.208	2.263	-0.055
100	C33_Unbiased	2.340	2.373	-0.033
100	C34_Unbiased	2.556	2.480	0.076
100	C35_Unbiased	2.469	2.536	-0.067
100	C36_Unbiased	2.401	2.372	0.029
100	C37_Unbiased	2.729	2.642	0.087
100	C38_Unbiased	2.467	2.554	-0.087
	Max	2.970	2.836	0.363
	Average	2.285	2.289	-0.004
	Min	1.700	1.669	-0.367
	Std Dev	0.250	0.251	0.160

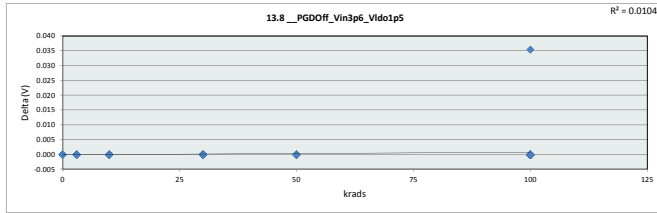


13.7_PGD_TurnOn_Delay_Vin3p6_Vldo1p8					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	10	mSec			
Min Limit	0	mSec			
Krads	LL	Min	Average	Max	UL
0	0.000	0.000	0.000	0.000	0.000
3	1.985	1.855	2.102	1.749	1.669
10	2.408	2.196	2.342	2.251	2.173
30	2.632	2.562	2.732	2.727	2.688
50	10.000	10.000	10.000	10.000	10.000

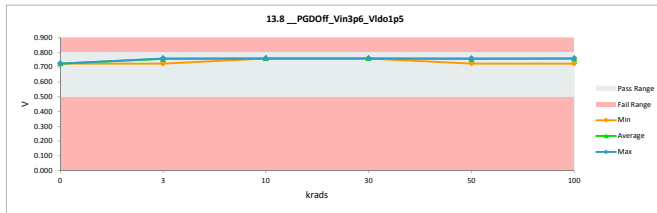


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13.8_PGDOff_Vin3p6_Vido1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.5	0.5		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.725	0.725	0.000
3	A79_Biased	0.760	0.760	0.000
3	A80_Biased	0.760	0.760	0.000
3	B1_Biased	0.760	0.760	0.000
3	B2_Biased	0.760	0.760	0.000
3	C1_Biased	0.760	0.760	0.000
3	A82_Unbiased	0.760	0.760	0.000
3	A83_Unbiased	0.725	0.725	0.000
3	B4_Unbiased	0.760	0.760	0.000
3	B5_Unbiased	0.760	0.760	0.000
3	C2_Unbiased	0.760	0.760	0.000
10	A85_Biased	0.760	0.760	0.000
10	A86_Biased	0.760	0.760	0.000
10	B6_Biased	0.760	0.760	0.000
10	C3_Biased	0.760	0.760	0.000
10	C4_Biased	0.760	0.760	0.000
10	A87_Unbiased	0.760	0.760	0.000
10	A88_Unbiased	0.760	0.760	0.000
10	B7_Unbiased	0.760	0.760	0.000
10	C5_Unbiased	0.760	0.760	0.000
10	C6_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.725	0.000
30	A89_Biased	0.760	0.760	0.000
30	B8_Biased	0.760	0.760	0.000
30	B9_Biased	0.760	0.760	0.000
30	C7_Biased	0.760	0.760	0.000
30	C9_Biased	0.760	0.760	0.000
30	A90_Unbiased	0.760	0.760	0.000
30	B10_Unbiased	0.760	0.760	0.000
30	B11_Unbiased	0.760	0.760	0.000
30	C11_Unbiased	0.760	0.760	0.000
30	C12_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.725	0.000
0	15B_Corr	0.725	0.725	0.000
50	A92_Biased	0.760	0.760	0.000
50	A93_Biased	0.760	0.760	0.000
50	B12_Biased	0.760	0.760	0.000
50	B13_Biased	0.725	0.725	0.000
50	C14_Biased	0.760	0.760	0.000
50	A95_Unbiased	0.760	0.760	0.000
50	A96_Unbiased	0.760	0.760	0.000
50	B15_Unbiased	0.760	0.760	0.000
50	B16_Unbiased	0.760	0.760	0.000
50	C15_Unbiased	0.760	0.760	0.000
0	106_Corr	0.725	0.725	0.000
100	A97_Biased	0.760	0.760	0.000
100	A99_Biased	0.760	0.760	0.000
100	A100_Biased	0.760	0.760	0.000
100	A101_Biased	0.760	0.760	0.000
100	A102_Biased	0.760	0.760	0.000
100	A104_Biased	0.760	0.760	0.000
100	A105_Biased	0.760	0.760	0.000
100	B17_Biased	0.760	0.760	0.000
100	B18_Biased	0.760	0.760	0.000
100	B19_Biased	0.760	0.760	0.000
100	B20_Biased	0.760	0.760	0.000
100	B21_Biased	0.760	0.760	0.000
100	B24_Biased	0.760	0.760	0.000
100	B25_Biased	0.760	0.760	0.000
100	B26_Biased	0.760	0.760	0.000
100	C16_Biased	0.760	0.760	0.000
100	C17_Biased	0.760	0.760	0.000
100	C18_Biased	0.760	0.760	0.000
100	C19_Biased	0.760	0.760	0.000
100	C25_Biased	0.760	0.760	0.000
100	C26_Biased	0.760	0.760	0.000
100	C31_Biased	0.760	0.760	0.000
100	A107_Unbiased	0.760	0.760	0.000
100	A108_Unbiased	0.760	0.760	0.000
100	A109_Unbiased	0.725	0.725	0.000
100	A110_Unbiased	0.760	0.760	0.000
100	A111_Unbiased	0.760	0.760	0.000
100	A112_Unbiased	0.760	0.760	0.000
100	A113_Unbiased	0.760	0.760	0.000
100	B27_Unbiased	0.760	0.725	0.035
100	B29_Unbiased	0.760	0.760	0.000
100	B30_Unbiased	0.760	0.760	0.000
100	B31_Unbiased	0.760	0.760	0.000
100	B32_Unbiased	0.760	0.760	0.000
100	B33_Unbiased	0.760	0.760	0.000
100	B34_Unbiased	0.760	0.760	0.000
100	B35_Unbiased	0.760	0.760	0.000
100	C32_Unbiased	0.760	0.760	0.000
100	C33_Unbiased	0.760	0.760	0.000
100	C34_Unbiased	0.760	0.760	0.000
100	C35_Unbiased	0.760	0.760	0.000
100	C36_Unbiased	0.760	0.760	0.000
100	C37_Unbiased	0.760	0.760	0.000
100	C38_Unbiased	0.760	0.760	0.000
	Max	0.760	0.760	0.035
	Average	0.757	0.757	0.000
	Min	0.725	0.725	0.000
	Std Dev	0.010	0.011	0.004

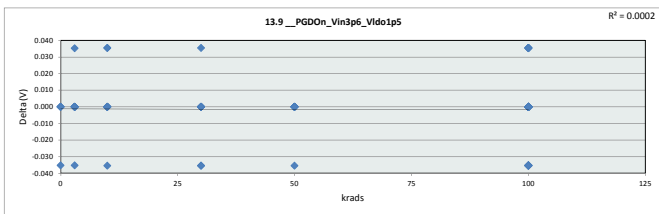


13.8_PGDOff_Vin3p6_Vido1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.5	V				
Krads	0	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.725	0.725	0.760	0.760	0.725	0.725
Average	0.725	0.757	0.760	0.760	0.757	0.758
Max	0.725	0.760	0.760	0.760	0.760	0.760
UL	0.800	0.800	0.800	0.800	0.800	0.800

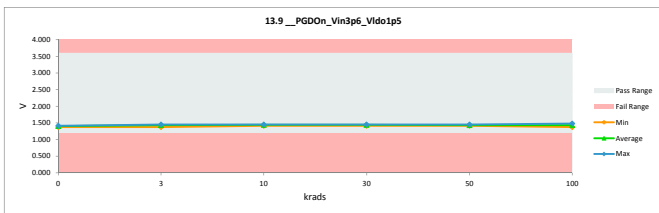


TID 100krad LDR Report
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13.9_PGDOn_Vin3p6_Vldo1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	3.6	3.6		
Min Limit	1.2	1.2		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.414	1.414	0.000
3	A79_Biased	1.449	1.449	0.000
3	A80_Biased	1.449	1.449	0.000
3	B1_Biased	1.449	1.449	0.000
3	B2_Biased	1.379	1.414	-0.035
3	C1_Biased	1.449	1.449	0.000
3	A82_Unbiased	1.414	1.414	0.000
3	A83_Unbiased	1.414	1.379	0.035
3	B4_Unbiased	1.414	1.414	0.000
3	B5_Unbiased	1.449	1.449	0.000
3	C2_Unbiased	1.449	1.449	0.000
10	A85_Biased	1.449	1.449	0.000
10	A86_Biased	1.449	1.449	0.000
10	B6_Biased	1.449	1.449	0.000
10	C3_Biased	1.449	1.449	0.000
10	C4_Biased	1.449	1.414	0.035
10	A87_Unbiased	1.449	1.414	0.035
10	A88_Unbiased	1.449	1.449	0.000
10	B7_Unbiased	1.449	1.449	0.000
10	C5_Unbiased	1.449	1.449	0.000
10	C6_Unbiased	1.414	1.449	-0.035
0	106_Corr	1.379	1.379	0.000
30	A89_Biased	1.414	1.414	0.000
30	B8_Biased	1.449	1.449	0.000
30	B9_Biased	1.449	1.449	0.000
30	C7_Biased	1.414	1.449	-0.035
30	C9_Biased	1.414	1.449	-0.035
30	A90_Unbiased	1.449	1.449	0.000
30	B10_Unbiased	1.414	1.414	0.000
30	B11_Unbiased	1.449	1.449	0.000
30	C11_Unbiased	1.449	1.449	0.000
30	C12_Unbiased	1.449	1.414	0.035
0	106_Corr	1.379	1.379	0.000
0	15B_Corr	1.414	1.414	0.000
50	A92_Biased	1.449	1.449	0.000
50	A93_Biased	1.449	1.449	0.000
50	B12_Biased	1.414	1.449	-0.035
50	B13_Biased	1.414	1.414	0.000
50	C14_Biased	1.449	1.449	0.000
50	A95_Unbiased	1.414	1.414	0.000
50	A96_Unbiased	1.449	1.449	0.000
50	B15_Unbiased	1.414	1.414	0.000
50	B16_Unbiased	1.414	1.414	0.000
50	C15_Unbiased	1.449	1.449	0.000
0	106_Corr	1.379	1.414	-0.035
100	A97_Biased	1.414	1.414	0.000
100	A99_Biased	1.449	1.414	0.035
100	A100_Biased	1.414	1.414	0.000
100	A101_Biased	1.449	1.449	0.000
100	A102_Biased	1.449	1.449	0.000
100	A104_Biased	1.449	1.449	0.000
100	A105_Biased	1.414	1.414	0.000
100	B17_Biased	1.449	1.449	0.000
100	B18_Biased	1.414	1.414	0.000
100	B19_Biased	1.449	1.449	0.000
100	B20_Biased	1.449	1.449	0.000
100	B21_Biased	1.449	1.449	0.000
100	B24_Biased	1.414	1.379	0.035
100	B25_Biased	1.449	1.449	0.000
100	B26_Biased	1.449	1.449	0.000
100	C16_Biased	1.449	1.449	0.000
100	C17_Biased	1.449	1.449	0.000
100	C18_Biased	1.449	1.449	0.000
100	C19_Biased	1.449	1.449	0.000
100	C25_Biased	1.449	1.485	-0.035
100	C26_Biased	1.449	1.449	0.000
100	C31_Biased	1.414	1.414	0.000
100	A107_Unbiased	1.379	1.414	-0.035
100	A108_Unbiased	1.449	1.449	0.000
100	A109_Unbiased	1.379	1.414	-0.035
100	A110_Unbiased	1.379	1.414	-0.035
100	A111_Unbiased	1.449	1.414	0.035
100	A112_Unbiased	1.449	1.449	0.000
100	A113_Unbiased	1.414	1.414	0.000
100	B27_Unbiased	1.414	1.414	0.000
100	B29_Unbiased	1.449	1.449	0.000
100	B30_Unbiased	1.414	1.449	-0.035
100	B31_Unbiased	1.414	1.449	-0.035
100	B32_Unbiased	1.414	1.449	-0.035
100	B33_Unbiased	1.449	1.414	0.035
100	B34_Unbiased	1.414	1.414	0.000
100	B35_Unbiased	1.449	1.414	0.035
100	C32_Unbiased	1.449	1.449	0.000
100	C33_Unbiased	1.449	1.414	0.035
100	C34_Unbiased	1.449	1.449	0.000
100	C35_Unbiased	1.449	1.449	0.000
100	C36_Unbiased	1.449	1.449	0.000
100	C37_Unbiased	1.414	1.449	-0.035
100	C38_Unbiased	1.449	1.449	0.000
	Max	1.449	1.485	0.035
	Average	1.433	1.434	-0.002
	Min	1.379	1.379	-0.035
	Std Dev	0.023	0.021	0.018

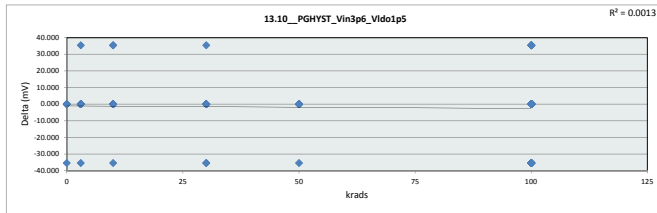


13.9_PGDOn_Vin3p6_Vldo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	3.6	V				
Min Limit	1.2	V				
Krads	0	3	10	30	50	100
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.379	1.379	1.414	1.414	1.414	1.379
Average	1.400	1.432	1.442	1.439	1.435	1.436
Max	1.414	1.450	1.450	1.450	1.450	1.485
UL	3.600	3.600	3.600	3.600	3.600	3.600

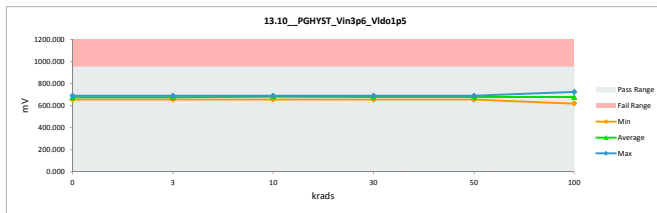


TID 100krad LDR Report
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13.10_PGHYST_Vin3p6_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	689.394	689.394	0.000
3	A79_Biased	689.394	689.394	0.000
3	A80_Biased	689.394	689.394	0.000
3	B1_Biased	689.394	689.394	0.000
3	B2_Biased	618.687	654.040	-35.353
3	C1_Biased	689.394	689.394	0.000
3	A82_Unbiased	654.040	654.040	0.000
3	A83_Unbiased	689.394	654.040	35.354
3	B4_Unbiased	654.040	654.040	0.000
3	B5_Unbiased	689.394	689.394	0.000
3	C2_Unbiased	689.394	689.394	0.000
10	A85_Biased	689.394	689.394	0.000
10	A86_Biased	689.394	689.394	0.000
10	B6_Biased	689.394	689.394	0.000
10	C3_Biased	689.394	689.394	0.000
10	C4_Biased	689.394	654.040	35.354
10	A87_Unbiased	689.394	654.040	35.354
10	A88_Unbiased	689.394	689.394	0.000
10	B7_Unbiased	689.394	689.394	0.000
10	C5_Unbiased	689.394	689.394	0.000
10	C6_Unbiased	654.040	689.394	-35.354
0	106_Corr	654.040	654.040	0.000
30	A89_Biased	654.040	654.040	0.000
30	B8_Biased	689.394	689.394	0.000
30	B9_Biased	689.394	689.394	0.000
30	C7_Biased	654.040	689.394	-35.354
30	C9_Biased	654.040	689.394	-35.354
30	A90_Unbiased	689.394	689.394	0.000
30	B10_Unbiased	654.040	654.040	0.000
30	B11_Unbiased	689.394	689.394	0.000
30	C11_Unbiased	689.394	689.394	0.000
30	C12_Unbiased	689.394	654.040	35.354
0	106_Corr	654.040	654.040	0.000
0	15B_Corr	689.394	689.394	0.000
50	A92_Biased	689.394	689.394	0.000
50	A93_Biased	689.394	689.394	0.000
50	B12_Biased	654.040	689.394	-35.354
50	B13_Biased	689.394	689.394	0.000
50	C14_Biased	689.394	689.394	0.000
50	A95_Unbiased	654.040	654.040	0.000
50	A96_Unbiased	689.394	689.394	0.000
50	B15_Unbiased	654.040	654.040	0.000
50	B16_Unbiased	654.040	654.040	0.000
50	C15_Unbiased	689.394	689.394	0.000
0	106_Corr	654.040	689.394	-35.354
100	A97_Biased	654.040	654.040	0.000
100	A99_Biased	689.394	654.040	35.354
100	A100_Biased	654.040	654.040	0.000
100	A101_Biased	689.394	689.394	0.000
100	A102_Biased	689.394	689.394	0.000
100	A104_Biased	689.394	689.394	0.000
100	A105_Biased	654.040	654.040	0.000
100	B17_Biased	689.394	689.394	0.000
100	B18_Biased	654.040	654.040	0.000
100	B19_Biased	689.394	689.394	0.000
100	B20_Biased	689.394	689.394	0.000
100	B21_Biased	689.394	689.394	0.000
100	B24_Biased	654.040	618.687	35.353
100	B25_Biased	689.394	689.394	0.000
100	B26_Biased	689.394	689.394	0.000
100	C16_Biased	689.394	689.394	0.000
100	C17_Biased	689.394	689.394	0.000
100	C18_Biased	689.394	689.394	0.000
100	C19_Biased	689.394	689.394	0.000
100	C25_Biased	689.394	724.747	-35.353
100	C26_Biased	689.394	689.394	0.000
100	C31_Biased	654.040	654.040	0.000
100	A107_Unbiased	618.687	654.040	-35.353
100	A108_Unbiased	689.394	689.394	0.000
100	A109_Unbiased	654.040	689.394	-35.354
100	A110_Unbiased	618.687	654.040	-35.353
100	A111_Unbiased	689.394	654.040	35.354
100	A112_Unbiased	689.394	689.394	0.000
100	A113_Unbiased	654.040	654.040	0.000
100	B27_Unbiased	654.040	689.394	-35.354
100	B29_Unbiased	689.394	689.394	0.000
100	B30_Unbiased	654.040	689.394	-35.354
100	B31_Unbiased	654.040	689.394	-35.354
100	B32_Unbiased	654.040	689.394	-35.354
100	B33_Unbiased	689.394	654.040	35.354
100	B34_Unbiased	654.040	654.040	0.000
100	B35_Unbiased	689.394	654.040	35.354
100	C32_Unbiased	689.394	689.394	0.000
100	C33_Unbiased	689.394	654.040	35.354
100	C34_Unbiased	689.394	689.394	0.000
100	C35_Unbiased	689.394	689.394	0.000
100	C36_Unbiased	689.394	689.394	0.000
100	C37_Unbiased	654.040	689.394	-35.354
100	C38_Unbiased	689.394	689.394	0.000
	Max	689.394	724.747	35.354
	Average	675.888	677.874	-1.986
	Min	618.687	618.687	-35.354
	Std Dev	19.587	18.289	18.737

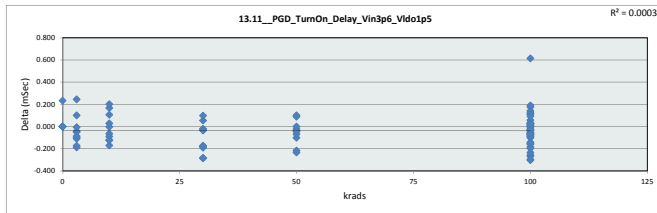


13.10_PGHYST_Vin3p6_Vldo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	654.040	654.040	654.040	654.040	654.040	618.687
Average	675.252	675.252	682.323	678.788	678.788	677.342
Max	689.394	689.394	689.394	689.394	689.394	724.747
UL	950.000	950.000	950.000	950.000	950.000	950.000

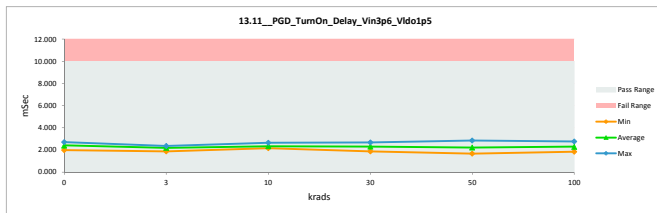


TID 100krad LDR Report
TPS7H3301-SP

13.11_PGD_TurnOn_Delay_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10	10		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.975	1.975	0.000
3	A79_Biased	1.972	2.160	-0.188
3	A80_Biased	2.163	2.261	-0.098
3	B1_Biased	2.147	2.256	-0.109
3	B2_Biased	1.826	1.875	-0.049
3	C1_Biased	2.535	2.290	0.245
3	A82_Unbiased	1.958	2.132	-0.174
3	A83_Unbiased	2.148	2.210	-0.042
3	B4_Unbiased	2.158	2.056	0.102
3	B5_Unbiased	2.271	2.357	-0.086
3	C2_Unbiased	2.361	2.366	-0.005
10	A85_Biased	2.338	2.171	0.167
10	A86_Biased	2.343	2.345	-0.002
10	B6_Biased	2.335	2.459	-0.124
10	C3_Biased	2.399	2.489	-0.090
10	C4_Biased	2.457	2.427	0.030
10	A87_Unbiased	2.052	2.222	-0.170
10	A88_Unbiased	2.374	2.171	0.203
10	B7_Unbiased	2.264	2.156	0.108
10	C5_Unbiased	2.088	2.151	-0.063
10	C6_Unbiased	2.522	2.643	-0.121
0	106_Corr	2.709	2.709	0.000
30	A89_Biased	1.862	1.882	-0.020
30	B8_Biased	2.368	2.557	-0.189
30	B9_Biased	2.059	2.091	-0.032
30	C7_Biased	2.506	2.681	-0.175
30	C9_Biased	2.520	2.554	-0.044
30	A90_Unbiased	1.778	2.063	-0.285
30	B10_Unbiased	2.134	2.036	0.098
30	B11_Unbiased	2.233	2.179	0.054
30	C11_Unbiased	2.173	2.454	-0.281
30	C12_Unbiased	2.440	2.614	-0.174
0	106_Corr	2.607	2.607	0.000
0	15B_Corr	2.270	2.270	0.000
50	A92_Biased	2.155	2.177	-0.022
50	A93_Biased	2.157	2.257	-0.100
50	B12_Biased	2.123	2.165	-0.042
50	B13_Biased	1.662	1.661	0.001
50	C14_Biased	2.188	2.258	-0.070
50	A95_Unbiased	2.133	2.347	-0.214
50	A96_Unbiased	2.165	2.064	0.101
50	B15_Unbiased	2.178	2.089	0.089
50	B16_Unbiased	2.239	2.280	-0.041
50	C15_Unbiased	2.641	2.857	-0.216
0	106_Corr	2.475	2.475	0.000
100	A97_Biased	2.389	2.364	0.025
100	A99_Biased	2.265	2.422	-0.157
100	A100_Biased	2.242	2.270	-0.028
100	A101_Biased	2.270	2.243	0.027
100	A102_Biased	2.086	2.355	-0.269
100	A104_Biased	2.498	2.462	0.036
100	A105_Biased	1.950	2.035	-0.085
100	B17_Biased	2.070	2.170	-0.100
100	B18_Biased	1.958	1.952	0.006
100	B19_Biased	1.984	2.057	-0.073
100	B20_Biased	1.990	2.065	-0.075
100	B21_Biased	2.152	2.094	0.058
100	B24_Biased	2.071	2.109	-0.038
100	B25_Biased	2.384	2.358	0.026
100	B26_Biased	2.160	2.248	-0.088
100	C16_Biased	2.761	2.767	-0.006
100	C17_Biased	2.883	2.270	0.613
100	C18_Biased	2.164	2.460	-0.296
100	C19_Biased	2.665	2.539	0.126
100	C25_Biased	2.420	2.473	-0.053
100	C26_Biased	2.841	2.664	0.177
100	C31_Biased	2.728	2.727	0.001
100	A107_Unbiased	1.925	1.182	-0.257
100	A108_Unbiased	2.193	2.190	0.003
100	A109_Unbiased	1.918	2.058	-0.140
100	A110_Unbiased	2.212	2.270	-0.058
100	A111_Unbiased	2.366	2.224	0.142
100	A112_Unbiased	2.051	2.354	-0.303
100	A113_Unbiased	1.766	1.841	-0.075
100	B27_Unbiased	1.968	1.856	0.112
100	B29_Unbiased	2.557	2.543	0.014
100	B30_Unbiased	1.931	1.966	-0.035
100	B31_Unbiased	2.211	2.443	-0.232
100	B32_Unbiased	2.108	2.173	-0.065
100	B33_Unbiased	2.238	2.126	0.112
100	B34_Unbiased	2.061	2.244	-0.183
100	B35_Unbiased	2.258	2.413	-0.155
100	C32_Unbiased	2.194	2.256	-0.062
100	C33_Unbiased	2.061	2.210	-0.149
100	C34_Unbiased	2.152	2.349	-0.197
100	C35_Unbiased	2.539	2.563	-0.024
100	C36_Unbiased	2.555	2.365	0.190
100	C37_Unbiased	2.631	2.540	0.091
100	C38_Unbiased	2.595	2.572	0.023
	Max	2.883	2.857	0.026
	Average	2.249	2.285	-0.036
	Min	1.662	1.661	-0.303
	Std Dev	0.257	0.230	0.142

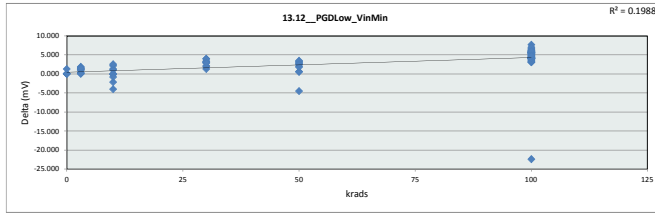


13.11_PGD_TurnOn_Delay_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	10	mSec				
Min Limit	0	mSec				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.975	1.875	2.151	1.882	1.661	1.841
Average	2.407	2.196	2.323	2.311	2.218	2.292
Max	2.709	2.366	2.643	2.681	2.857	2.767
UL	10.000	10.000	10.000	10.000	10.000	10.000

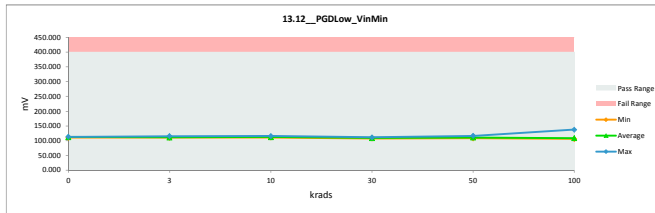


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13.12_PGDLow_VinMin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	400	400		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	113.144	113.144	0.000
3	A79_Biased	111.604	110.413	1.191
3	A80_Biased	111.613	111.477	0.136
3	B1_Biased	113.601	112.337	1.264
3	B2_Biased	116.565	115.244	1.321
3	C1_Biased	114.973	114.623	0.350
3	A82_Unbiased	111.366	110.376	0.990
3	A83_Unbiased	112.765	110.850	1.915
3	B4_Unbiased	112.873	111.139	1.734
3	B5_Unbiased	114.034	112.578	1.456
3	C2_Unbiased	110.543	110.546	-0.003
10	A85_Biased	112.689	111.351	1.338
10	A86_Biased	111.828	111.873	-0.045
10	B6_Biased	113.677	113.618	0.059
10	C3_Biased	112.035	116.071	-4.036
10	C4_Biased	113.576	115.705	-2.129
10	A87_Unbiased	113.013	110.915	2.098
10	A88_Unbiased	112.663	111.621	1.042
10	B7_Unbiased	115.876	113.324	2.552
10	C5_Unbiased	113.337	113.472	-0.135
10	C6_Unbiased	110.773	111.554	-0.781
0	106_Corr	112.107	112.107	0.000
30	A89_Biased	112.925	109.573	3.352
30	B8_Biased	114.273	111.282	2.991
30	B9_Biased	114.135	110.812	3.323
30	C7_Biased	112.395	111.076	1.319
30	C9_Biased	111.442	109.298	2.144
30	A90_Unbiased	111.888	107.904	3.984
30	B10_Unbiased	114.211	111.204	3.007
30	B11_Unbiased	112.475	108.473	4.002
30	C11_Unbiased	110.544	108.677	1.867
30	C12_Unbiased	112.043	109.124	2.919
0	106_Corr	112.966	112.966	0.000
0	15B_Corr	112.606	112.606	0.000
50	A92_Biased	111.635	108.929	2.707
50	A93_Biased	113.098	110.030	3.068
50	B12_Biased	111.969	111.419	0.550
50	B13_Biased	111.992	116.481	-4.489
50	C14_Biased	110.396	109.770	0.626
50	A95_Unbiased	110.762	108.672	2.090
50	A96_Unbiased	112.616	110.790	1.826
50	B15_Unbiased	114.340	111.128	3.212
50	B16_Unbiased	114.642	111.161	3.481
50	C15_Unbiased	114.690	112.172	2.518
0	106_Corr	112.107	110.782	1.325
100	A97_Biased	112.524	105.848	6.676
100	A99_Biased	111.449	107.307	4.142
100	A100_Biased	111.749	106.623	5.126
100	A101_Biased	114.512	106.859	7.653
100	A102_Biased	114.433	108.657	5.776
100	A104_Biased	112.489	106.805	5.684
100	A105_Biased	113.397	107.550	5.847
100	B17_Biased	114.186	108.682	5.504
100	B18_Biased	116.042	110.489	5.553
100	B19_Biased	113.759	108.579	5.180
100	B20_Biased	114.330	108.625	5.705
100	B21_Biased	113.618	107.535	6.083
100	B24_Biased	114.025	109.492	4.533
100	B25_Biased	115.041	108.677	6.364
100	B26_Biased	112.897	107.544	5.353
100	C16_Biased	115.085	110.571	4.514
100	C17_Biased	111.889	107.804	4.085
100	C18_Biased	113.805	109.559	4.246
100	C19_Biased	112.952	109.872	3.080
100	C25_Biased	112.695	109.528	3.167
100	C26_Biased	112.731	108.449	4.282
100	C31_Biased	110.107	106.107	4.000
100	A107_Unbiased	112.552	108.350	4.202
100	A108_Unbiased	111.724	106.848	4.876
100	A109_Unbiased	111.988	107.201	4.787
100	A110_Unbiased	112.047	106.519	5.528
100	A111_Unbiased	112.819	107.440	5.379
100	A112_Unbiased	113.560	107.857	5.703
100	A113_Unbiased	112.850	106.914	5.936
100	B27_Unbiased	115.106	137.478	-22.372
100	B29_Unbiased	113.197	109.109	4.088
100	B30_Unbiased	113.699	107.402	6.297
100	B31_Unbiased	114.497	107.480	7.017
100	B32_Unbiased	112.956	106.949	6.007
100	B33_Unbiased	111.291	108.114	3.177
100	B34_Unbiased	113.034	108.838	4.196
100	B35_Unbiased	112.984	108.659	4.325
100	C32_Unbiased	114.824	111.142	3.682
100	C33_Unbiased	112.400	108.293	4.107
100	C34_Unbiased	112.190	108.005	4.185
100	C35_Unbiased	113.092	109.386	3.706
100	C36_Unbiased	114.380	110.964	3.416
100	C37_Unbiased	113.340	109.251	4.089
100	C38_Unbiased	112.366	107.630	4.736
	Max	116.565	137.478	7.653
	Average	112.983	110.221	2.762
	Min	110.107	105.848	-22.372
	Std Dev	1.311	3.753	3.588

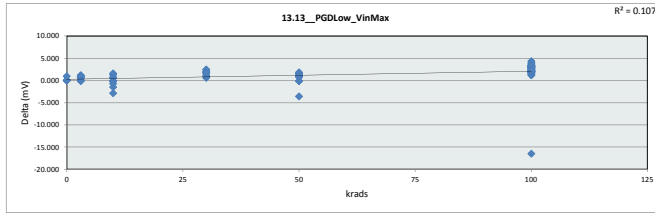


13.12_PGDLow_VinMin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	400					
Min Limit	0					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	110.782	110.376	110.915	107.904	108.672	105.848
Average	112.321	111.958	112.950	109.742	111.055	108.886
Max	113.144	115.244	116.071	111.282	116.481	137.478
UL	400.000	400.000	400.000	400.000	400.000	400.000

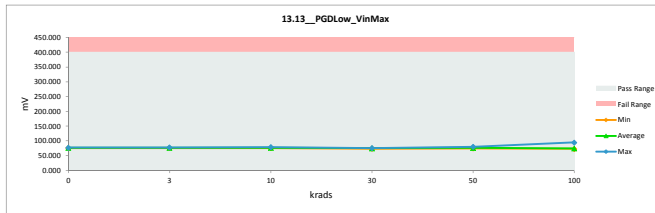


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13.13_PGDLow_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	400	400		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	77.119	77.119	0.000
3	A79_Biased	75.947	75.247	0.700
3	A80_Biased	75.977	75.815	-0.162
3	B1_Biased	77.153	76.409	0.744
3	B2_Biased	78.766	77.979	0.787
3	C1_Biased	77.979	77.885	0.094
3	A82_Unbiased	75.826	75.261	0.575
3	A83_Unbiased	76.520	75.918	1.202
3	B4_Unbiased	77.208	76.111	1.097
3	B5_Unbiased	77.335	76.460	0.875
3	C2_Unbiased	75.785	75.882	-0.097
10	A85_Biased	76.443	75.681	0.762
10	A86_Biased	75.991	76.142	-0.151
10	B6_Biased	77.220	77.267	-0.047
10	C3_Biased	76.041	78.905	-2.864
10	C4_Biased	77.225	78.750	-1.525
10	A87_Unbiased	76.722	75.392	1.330
10	A88_Unbiased	76.640	76.068	0.572
10	B7_Unbiased	78.338	76.733	1.605
10	C5_Unbiased	77.003	77.235	-0.232
10	C6_Unbiased	75.675	76.360	-0.685
0	106_Corr	76.520	76.520	0.000
30	A89_Biased	76.810	74.813	1.997
30	B8_Biased	77.515	75.758	1.757
30	B9_Biased	77.558	75.578	1.980
30	C7_Biased	76.461	75.900	0.561
30	C9_Biased	76.138	74.985	1.153
30	A90_Unbiased	76.142	73.743	2.399
30	B10_Unbiased	77.363	75.627	1.736
30	B11_Unbiased	76.990	73.954	2.436
30	C11_Unbiased	75.590	74.667	0.923
30	C12_Unbiased	76.378	74.704	1.674
0	106_Corr	77.128	77.128	0.000
0	158_Corr	76.836	76.836	0.000
50	A92_Biased	75.905	74.548	1.357
50	A93_Biased	76.804	75.185	1.619
50	B12_Biased	75.898	76.004	-0.106
50	B13_Biased	76.423	79.992	-3.569
50	C14_Biased	75.486	75.579	-0.093
50	A95_Unbiased	75.431	74.490	0.941
50	A96_Unbiased	76.447	75.690	0.757
50	B15_Unbiased	77.406	75.698	1.708
50	B16_Unbiased	77.753	75.902	1.851
50	C15_Unbiased	77.662	76.668	0.994
0	106_Corr	76.520	76.520	0.000
100	A97_Biased	76.524	72.772	3.752
100	A99_Biased	75.825	73.810	2.015
100	A100_Biased	75.894	73.250	2.644
100	A101_Biased	77.617	73.241	4.376
100	A102_Biased	77.542	74.265	3.277
100	A104_Biased	76.479	73.387	3.092
100	A105_Biased	76.859	73.696	3.163
100	B17_Biased	77.454	74.535	2.919
100	B18_Biased	78.495	75.575	2.920
100	B19_Biased	77.088	74.405	2.683
100	B20_Biased	77.571	74.551	3.020
100	B21_Biased	77.164	73.860	3.304
100	B24_Biased	77.356	75.107	2.249
100	B25_Biased	78.022	74.655	3.467
100	B26_Biased	76.786	73.879	2.907
100	C16_Biased	77.921	75.721	2.200
100	C17_Biased	76.260	74.326	1.934
100	C18_Biased	76.940	74.965	1.975
100	C19_Biased	76.799	75.608	1.191
100	C25_Biased	76.622	75.379	1.243
100	C26_Biased	76.688	74.626	2.062
100	C31_Biased	75.414	73.504	1.910
100	A107_Unbiased	76.337	74.230	2.107
100	A108_Unbiased	75.941	73.395	2.546
100	A109_Unbiased	76.154	73.634	2.520
100	A110_Unbiased	76.087	73.082	3.005
100	A111_Unbiased	76.534	73.527	2.807
100	A112_Unbiased	76.948	73.769	3.179
100	A113_Unbiased	76.763	73.417	3.346
100	B27_Unbiased	78.050	94.543	-16.493
100	B29_Unbiased	76.791	74.821	1.970
100	B30_Unbiased	77.225	73.761	3.464
100	B31_Unbiased	77.502	73.519	3.983
100	B32_Unbiased	76.611	73.256	3.355
100	B33_Unbiased	75.674	74.191	1.483
100	B34_Unbiased	76.614	74.550	2.064
100	B35_Unbiased	76.822	74.642	2.180
100	C32_Unbiased	77.699	75.981	1.718
100	C33_Unbiased	76.264	74.235	2.029
100	C34_Unbiased	75.993	73.989	2.004
100	C35_Unbiased	76.922	75.122	1.780
100	C36_Unbiased	77.553	75.958	1.595
100	C37_Unbiased	76.973	74.952	2.021
100	C38_Unbiased	76.241	73.841	2.400
	Max	78.766	94.543	4.376
	Average	76.765	75.404	1.361
	Min	75.414	72.772	-16.493
	Std Dev	0.738	2.484	2.362

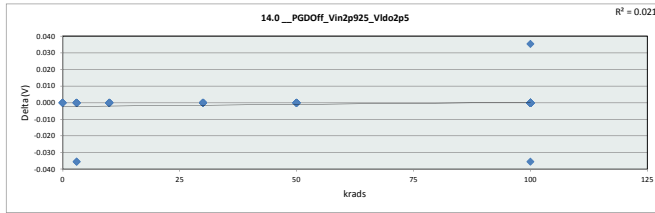


13.13_PGDLow_VinMax						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	400	mV				
Min Limit	0	mV				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	75.586	75.247	75.392	73.743	74.490	72.772
Average	76.638	76.236	76.853	74.973	75.976	74.714
Max	77.128	77.979	78.905	75.900	79.992	94.543
UL	400.000	400.000	400.000	400.000	400.000	400.000

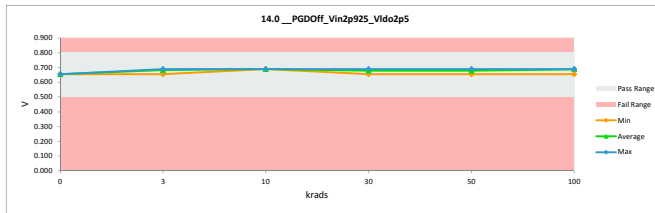


TID 100krad LDR Report
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14.0_PGDOff_Vin2p925_Vldo2				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.5	0.5		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.654	0.654	0.000
3	A79_Biased	0.689	0.689	0.000
3	A80_Biased	0.689	0.689	0.000
3	B1_Biased	0.654	0.689	-0.035
3	B2_Biased	0.689	0.689	0.000
3	C1_Biased	0.689	0.689	0.000
3	A82_Unbiased	0.654	0.689	-0.035
3	A83_Unbiased	0.654	0.654	0.000
3	B4_Unbiased	0.689	0.689	0.000
3	B5_Unbiased	0.689	0.689	0.000
3	C2_Unbiased	0.654	0.654	0.000
10	A85_Biased	0.689	0.689	0.000
10	A86_Biased	0.689	0.689	0.000
10	B6_Biased	0.689	0.689	0.000
10	C3_Biased	0.689	0.689	0.000
10	C4_Biased	0.689	0.689	0.000
10	A87_Unbiased	0.689	0.689	0.000
10	A88_Unbiased	0.689	0.689	0.000
10	B7_Unbiased	0.689	0.689	0.000
10	C5_Unbiased	0.689	0.689	0.000
10	C6_Unbiased	0.689	0.689	0.000
0	106_Corr	0.654	0.654	0.000
30	A89_Biased	0.689	0.689	0.000
30	B8_Biased	0.654	0.654	0.000
30	B9_Biased	0.654	0.654	0.000
30	C7_Biased	0.689	0.689	0.000
30	C9_Biased	0.689	0.689	0.000
30	A90_Unbiased	0.689	0.689	0.000
30	B10_Unbiased	0.689	0.689	0.000
30	B11_Unbiased	0.654	0.654	0.000
30	C11_Unbiased	0.689	0.689	0.000
30	C12_Unbiased	0.689	0.689	0.000
0	106_Corr	0.654	0.654	0.000
0	15B_Corr	0.654	0.654	0.000
50	A92_Biased	0.689	0.689	0.000
50	A93_Biased	0.654	0.654	0.000
50	B12_Biased	0.689	0.689	0.000
50	B13_Biased	0.654	0.654	0.000
50	C14_Biased	0.689	0.689	0.000
50	A95_Unbiased	0.689	0.689	0.000
50	A96_Unbiased	0.689	0.689	0.000
50	B15_Unbiased	0.654	0.654	0.000
50	B16_Unbiased	0.689	0.689	0.000
50	C15_Unbiased	0.689	0.689	0.000
0	106_Corr	0.654	0.654	0.000
100	A97_Biased	0.689	0.689	0.000
100	A99_Biased	0.689	0.689	0.000
100	A100_Biased	0.689	0.689	0.000
100	A101_Biased	0.689	0.689	0.000
100	A102_Biased	0.689	0.689	0.000
100	A104_Biased	0.689	0.689	0.000
100	A105_Biased	0.689	0.689	0.000
100	B17_Biased	0.689	0.689	0.000
100	B18_Biased	0.689	0.689	0.000
100	B19_Biased	0.689	0.689	0.000
100	B20_Biased	0.689	0.689	0.000
100	B21_Biased	0.689	0.689	0.000
100	B24_Biased	0.689	0.689	0.000
100	B25_Biased	0.689	0.689	0.000
100	B26_Biased	0.689	0.689	0.000
100	C16_Biased	0.689	0.689	0.000
100	C17_Biased	0.689	0.689	0.000
100	C18_Biased	0.689	0.689	0.000
100	C19_Biased	0.689	0.689	0.000
100	C25_Biased	0.689	0.689	0.000
100	C26_Biased	0.689	0.689	0.000
100	C31_Biased	0.689	0.689	0.000
100	A107_Unbiased	0.689	0.689	0.000
100	A108_Unbiased	0.689	0.689	0.000
100	A109_Unbiased	0.654	0.654	0.000
100	A110_Unbiased	0.689	0.689	0.000
100	A111_Unbiased	0.689	0.689	0.000
100	A112_Unbiased	0.689	0.689	0.000
100	A113_Unbiased	0.689	0.689	0.000
100	B27_Unbiased	0.689	0.654	0.035
100	B29_Unbiased	0.689	0.689	0.000
100	B30_Unbiased	0.689	0.689	0.000
100	B31_Unbiased	0.689	0.689	0.000
100	B32_Unbiased	0.689	0.689	0.000
100	B33_Unbiased	0.689	0.689	0.000
100	B34_Unbiased	0.689	0.689	0.000
100	B35_Unbiased	0.654	0.689	-0.035
100	C32_Unbiased	0.689	0.689	0.000
100	C33_Unbiased	0.689	0.689	0.000
100	C34_Unbiased	0.689	0.689	0.000
100	C35_Unbiased	0.689	0.689	0.000
100	C36_Unbiased	0.689	0.689	0.000
100	C37_Unbiased	0.689	0.689	0.000
100	C38_Unbiased	0.689	0.689	0.000
	Max	0.689	0.689	0.035
	Average	0.683	0.683	-0.001
	Min	0.654	0.654	-0.035
	Std Dev	0.014	0.013	0.008

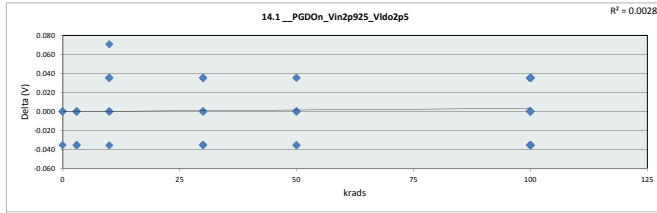


14.0_PGDOff_Vin2p925_Vldo2ps						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.5	V				
krads	0	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.654	0.654	0.689	0.654	0.654	0.654
Average	0.654	0.682	0.689	0.679	0.679	0.688
Max	0.654	0.689	0.689	0.689	0.689	0.689
UL	0.800	0.800	0.800	0.800	0.800	0.800

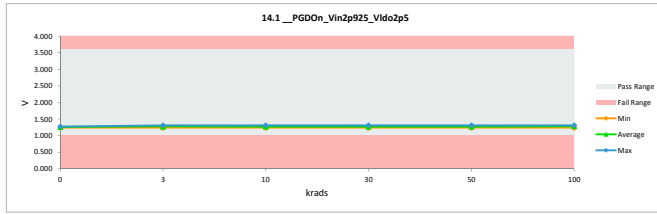


TID 100krad LDR Report
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14.1_PGDOn_Vin2p925_Vldo2p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	3.6	3.6		
Min Limit	1	1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.237	1.237	0.000
3	A79_Biased	1.237	1.237	0.000
3	A80_Biased	1.273	1.273	0.000
3	B1_Biased	1.273	1.273	0.000
3	B2_Biased	1.273	1.273	0.000
3	C1_Biased	1.308	1.308	0.000
3	A82_Unbiased	1.237	1.273	-0.035
3	A83_Unbiased	1.273	1.273	0.000
3	B4_Unbiased	1.237	1.273	-0.035
3	B5_Unbiased	1.273	1.273	0.000
3	C2_Unbiased	1.273	1.308	-0.035
10	A85_Biased	1.273	1.237	0.035
10	A86_Biased	1.308	1.273	0.035
10	B6_Biased	1.308	1.237	0.071
10	C3_Biased	1.273	1.237	0.035
10	C4_Biased	1.273	1.273	0.000
10	A87_Unbiased	1.237	1.237	0.000
10	A88_Unbiased	1.308	1.308	0.000
10	B7_Unbiased	1.273	1.308	-0.035
10	C5_Unbiased	1.308	1.273	0.035
10	C6_Unbiased	1.308	1.308	0.000
0	106_Corr	1.237	1.237	0.000
30	A89_Biased	1.273	1.273	0.000
30	B8_Biased	1.308	1.308	0.000
30	B9_Biased	1.273	1.273	0.000
30	C7_Biased	1.273	1.273	0.000
30	C9_Biased	1.308	1.273	0.035
30	A90_Unbiased	1.237	1.273	-0.035
30	B10_Unbiased	1.237	1.273	-0.035
30	B11_Unbiased	1.237	1.273	-0.035
30	C11_Unbiased	1.237	1.237	0.000
30	C12_Unbiased	1.308	1.273	0.035
0	106_Corr	1.273	1.273	0.000
0	15B_Corr	1.273	1.273	0.000
50	A92_Biased	1.273	1.273	0.000
50	A93_Biased	1.273	1.273	0.000
50	B12_Biased	1.308	1.308	0.000
50	B13_Biased	1.237	1.237	0.000
50	C14_Biased	1.273	1.308	-0.035
50	A95_Unbiased	1.237	1.273	-0.035
50	A96_Unbiased	1.273	1.273	0.000
50	B15_Unbiased	1.273	1.273	0.000
50	B16_Unbiased	1.273	1.237	0.035
50	C15_Unbiased	1.308	1.273	0.035
0	106_Corr	1.237	1.237	-0.035
100	A97_Biased	1.273	1.237	0.035
100	A99_Biased	1.273	1.308	-0.035
100	A100_Biased	1.273	1.237	0.035
100	A101_Biased	1.273	1.273	0.000
100	A102_Biased	1.237	1.273	-0.035
100	A104_Biased	1.273	1.237	0.035
100	A105_Biased	1.273	1.237	0.035
100	B17_Biased	1.237	1.273	-0.035
100	B18_Biased	1.273	1.273	0.000
100	B19_Biased	1.308	1.273	0.035
100	B20_Biased	1.308	1.308	0.000
100	B21_Biased	1.308	1.273	0.035
100	B24_Biased	1.273	1.273	0.000
100	B25_Biased	1.237	1.273	-0.035
100	B26_Biased	1.308	1.308	0.000
100	C16_Biased	1.308	1.308	0.000
100	C17_Biased	1.308	1.308	0.000
100	C18_Biased	1.308	1.308	0.000
100	C19_Biased	1.308	1.308	0.000
100	C25_Biased	1.273	1.308	-0.035
100	C26_Biased	1.237	1.273	-0.035
100	C31_Biased	1.308	1.273	0.035
100	A107_Unbiased	1.273	1.273	0.000
100	A108_Unbiased	1.237	1.273	-0.035
100	A109_Unbiased	1.237	1.273	-0.035
100	A110_Unbiased	1.273	1.273	0.000
100	A111_Unbiased	1.273	1.273	0.000
100	A112_Unbiased	1.308	1.308	0.000
100	A113_Unbiased	1.273	1.273	0.000
100	B27_Unbiased	1.273	1.273	0.000
100	B29_Unbiased	1.308	1.308	0.000
100	B30_Unbiased	1.273	1.237	0.035
100	B31_Unbiased	1.308	1.308	0.000
100	B32_Unbiased	1.273	1.273	0.000
100	B33_Unbiased	1.273	1.308	-0.035
100	B34_Unbiased	1.237	1.237	0.000
100	B35_Unbiased	1.308	1.308	0.000
100	C32_Unbiased	1.308	1.308	0.000
100	C33_Unbiased	1.273	1.308	-0.035
100	C34_Unbiased	1.308	1.273	0.035
100	C35_Unbiased	1.308	1.273	0.035
100	C36_Unbiased	1.308	1.273	0.035
100	C37_Unbiased	1.308	1.273	0.035
100	C38_Unbiased	1.308	1.273	0.035
	Max	1.308	1.308	0.071
	Average	1.277	1.276	0.002
	Min	1.237	1.237	-0.035
	Std Dev	0.026	0.023	0.026

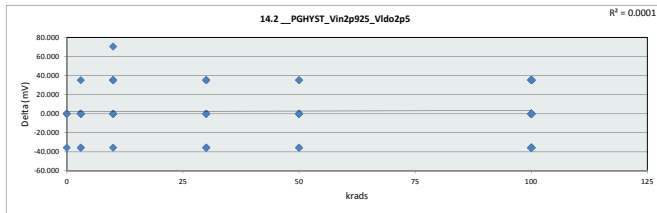


14.1_PGDOn_Vin2p925_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	3.6	V				
Min Limit	1	V				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.237	1.237	1.237	1.237	1.237	1.237
Average	1.259	1.276	1.269	1.273	1.280	1.280
Max	1.273	1.308	1.308	1.308	1.308	1.308
UL	3.600	3.600	3.600	3.600	3.600	3.600

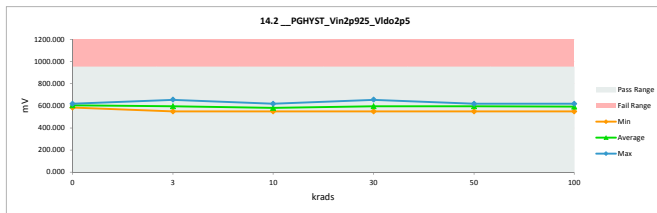


TID 100krad LDR Report
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14.2_PGHYST_Vin2p925_Vldo2				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	583.333	583.333	0.000
3	A79_Biased	547.980	547.980	0.000
3	A80_Biased	583.333	583.333	0.000
3	B1_Biased	618.687	583.333	35.354
3	B2_Biased	583.333	583.333	0.000
3	C1_Biased	618.687	618.687	0.000
3	A82_Unbiased	583.333	583.333	0.000
3	A83_Unbiased	618.687	618.687	0.000
3	B4_Unbiased	547.980	583.333	-35.353
3	B5_Unbiased	583.333	583.333	0.000
3	C2_Unbiased	618.687	654.040	-35.353
10	A85_Biased	583.333	547.980	35.353
10	A86_Biased	618.687	583.333	35.354
10	B6_Biased	618.687	547.980	70.707
10	C3_Biased	583.333	547.980	35.353
10	C4_Biased	583.333	583.333	0.000
10	A87_Unbiased	547.980	547.980	0.000
10	A88_Unbiased	618.687	618.687	0.000
10	B7_Unbiased	583.333	618.687	-35.354
10	C5_Unbiased	618.687	583.333	35.354
10	C6_Unbiased	618.687	618.687	0.000
0	106_Corr	583.333	583.333	0.000
30	A89_Biased	583.333	583.333	0.000
30	B8_Biased	654.040	654.040	0.000
30	B9_Biased	618.687	618.687	0.000
30	C7_Biased	583.333	583.333	0.000
30	C9_Biased	618.687	583.333	35.354
30	A90_Unbiased	547.980	583.333	-35.353
30	B10_Unbiased	547.980	583.333	-35.353
30	B11_Unbiased	583.333	618.687	-35.354
30	C11_Unbiased	583.333	547.980	35.353
30	C12_Unbiased	618.687	583.333	35.354
0	106_Corr	618.687	618.687	0.000
0	15B_Corr	618.687	618.687	0.000
50	A92_Biased	583.333	583.333	0.000
50	A93_Biased	618.687	618.687	0.000
50	B12_Biased	618.687	618.687	0.000
50	B13_Biased	583.333	583.333	0.000
50	C14_Biased	583.333	618.687	-35.354
50	A95_Unbiased	547.980	583.333	-35.353
50	A96_Unbiased	583.333	583.333	0.000
50	B15_Unbiased	618.687	618.687	0.000
50	B16_Unbiased	583.333	547.980	35.353
50	C15_Unbiased	618.687	583.333	35.354
0	106_Corr	583.333	618.687	-35.354
100	A97_Biased	583.333	547.980	35.353
100	A99_Biased	583.333	618.687	-35.354
100	A100_Biased	583.333	547.980	35.353
100	A101_Biased	583.333	583.333	0.000
100	A102_Biased	547.980	583.333	-35.353
100	A104_Biased	583.333	547.980	35.353
100	A105_Biased	583.333	547.980	35.353
100	B17_Biased	547.980	583.333	-35.353
100	B18_Biased	583.333	583.333	0.000
100	B19_Biased	618.687	583.333	35.354
100	B20_Biased	618.687	618.687	0.000
100	B21_Biased	618.687	583.333	35.354
100	B24_Biased	583.333	583.333	0.000
100	B25_Biased	547.980	583.333	-35.353
100	B26_Biased	618.687	618.687	0.000
100	C16_Biased	618.687	618.687	0.000
100	C17_Biased	618.687	618.687	0.000
100	C18_Biased	618.687	618.687	0.000
100	C19_Biased	618.687	618.687	0.000
100	C25_Biased	583.333	618.687	-35.354
100	C26_Biased	547.980	583.333	-35.353
100	C31_Biased	618.687	583.333	35.354
100	A107_Unbiased	583.333	583.333	0.000
100	A108_Unbiased	547.980	583.333	-35.353
100	A109_Unbiased	583.333	618.687	-35.354
100	A110_Unbiased	583.333	583.333	0.000
100	A111_Unbiased	583.333	583.333	0.000
100	A112_Unbiased	618.687	618.687	0.000
100	A113_Unbiased	583.333	583.333	0.000
100	B27_Unbiased	583.333	618.687	-35.354
100	B29_Unbiased	618.687	618.687	0.000
100	B30_Unbiased	583.333	547.980	35.353
100	B31_Unbiased	618.687	618.687	0.000
100	B32_Unbiased	583.333	583.333	0.000
100	B33_Unbiased	583.333	618.687	-35.354
100	B34_Unbiased	583.333	547.980	35.353
100	B35_Unbiased	654.040	618.687	35.353
100	C32_Unbiased	618.687	618.687	0.000
100	C33_Unbiased	583.333	618.687	-35.354
100	C34_Unbiased	618.687	583.333	35.354
100	C35_Unbiased	618.687	583.333	35.354
100	C36_Unbiased	618.687	583.333	35.354
100	C37_Unbiased	618.687	583.333	35.354
100	C38_Unbiased	618.687	583.333	35.354
	Max	654.040	654.040	70.707
	Average	594.853	592.072	2.781
	Min	547.980	547.980	-35.354
	Std Dev	25.435	25.716	26.232

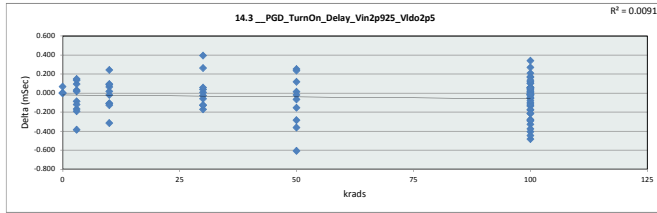


14.2_PGHYST_Vin2p925_Vldo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	583.333	547.980	547.980	547.980	547.980	547.980
Average	604.545	593.939	579.798	593.939	593.939	592.172
Max	618.687	654.040	618.687	654.040	618.687	618.687
UL	950.000	950.000	950.000	950.000	950.000	950.000

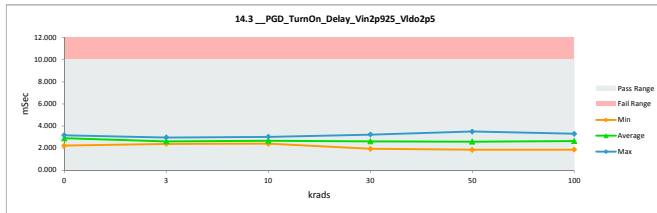


TID 100krad LDR Report
TPS7H3301-SP

14.3_PGD_TurnOn_Delay_Vin2				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.227	2.227	0.000
3	A79_Biased	2.438	2.608	-0.170
3	A80_Biased	2.567	2.758	-0.191
3	B1_Biased	2.678	2.584	0.094
3	B2_Biased	2.294	2.383	-0.089
3	C1_Biased	2.585	2.971	-0.386
3	A82_Unbiased	2.421	2.391	0.030
3	A83_Unbiased	2.545	2.687	-0.122
3	B4_Unbiased	2.602	2.469	0.133
3	B5_Unbiased	2.736	2.720	0.016
3	C2_Unbiased	2.805	2.657	0.148
10	A85_Biased	2.620	2.534	0.086
10	A86_Biased	2.745	2.784	-0.039
10	B6_Biased	2.696	2.807	-0.111
10	C3_Biased	2.644	2.401	0.243
10	C4_Biased	2.704	3.020	-0.316
10	A87_Unbiased	2.502	2.438	0.064
10	A88_Unbiased	2.671	2.576	0.095
10	B7_Unbiased	2.435	2.543	-0.108
10	C5_Unbiased	2.673	2.801	-0.128
10	C6_Unbiased	2.978	2.962	0.016
0	106_Corr	3.025	3.025	0.000
30	A89_Biased	1.951	1.943	0.008
30	B8_Biased	2.699	2.760	-0.061
30	B9_Biased	2.382	2.555	-0.173
30	C7_Biased	3.105	3.233	-0.128
30	C9_Biased	2.906	2.903	0.003
30	A90_Unbiased	2.228	2.191	0.037
30	B10_Unbiased	2.323	2.450	-0.127
30	B11_Unbiased	2.533	2.476	0.057
30	C11_Unbiased	2.925	2.823	0.102
30	C12_Unbiased	3.092	2.829	0.263
0	106_Corr	3.068	3.068	0.000
0	15B_Corr	3.172	3.172	0.000
50	A92_Biased	2.750	2.497	0.253
50	A93_Biased	2.456	2.442	0.014
50	B12_Biased	2.540	2.560	-0.020
50	B13_Biased	1.971	1.853	0.118
50	C14_Biased	2.518	2.881	-0.363
50	A95_Unbiased	2.713	2.478	0.235
50	A96_Unbiased	2.369	2.655	-0.286
50	B15_Unbiased	2.389	2.544	-0.155
50	B16_Unbiased	2.454	2.521	-0.067
50	C15_Unbiased	2.892	3.502	-0.610
0	106_Corr	3.025	3.025	0.000
100	A97_Biased	2.579	2.718	-0.139
100	A99_Biased	2.400	2.680	-0.280
100	A100_Biased	2.289	2.620	-0.331
100	A101_Biased	2.566	2.745	-0.179
100	A102_Biased	2.705	2.707	-0.002
100	A104_Biased	2.449	2.933	-0.484
100	A105_Biased	2.166	2.122	0.044
100	B17_Biased	2.701	2.669	0.032
100	B18_Biased	2.187	2.472	-0.285
100	B19_Biased	2.555	2.613	-0.058
100	B20_Biased	2.473	2.374	0.099
100	B21_Biased	2.600	2.728	-0.128
100	B24_Biased	2.372	2.358	0.014
100	B25_Biased	2.623	2.563	0.060
100	B26_Biased	2.552	2.569	-0.017
100	C16_Biased	2.765	2.867	-0.102
100	C17_Biased	2.652	2.946	-0.294
100	C18_Biased	2.870	2.878	-0.008
100	C19_Biased	2.663	2.878	-0.215
100	C25_Biased	2.914	2.858	0.056
100	C26_Biased	3.000	3.175	-0.175
100	C31_Biased	3.352	3.231	0.121
100	A107_Unbiased	2.845	2.880	-0.035
100	A108_Unbiased	2.528	2.556	-0.028
100	A109_Unbiased	1.922	1.977	-0.055
100	A110_Unbiased	2.681	2.697	-0.016
100	A111_Unbiased	2.474	2.852	-0.378
100	A112_Unbiased	2.593	2.588	0.005
100	A113_Unbiased	2.145	1.875	0.270
100	B27_Unbiased	2.349	2.141	0.208
100	B29_Unbiased	2.748	2.964	-0.216
100	B30_Unbiased	2.475	2.305	0.170
100	B31_Unbiased	2.658	2.773	-0.115
100	B32_Unbiased	2.392	2.288	0.104
100	B33_Unbiased	2.728	2.671	0.057
100	B34_Unbiased	2.470	2.412	0.058
100	B35_Unbiased	2.886	2.968	-0.082
100	C32_Unbiased	2.464	2.443	0.021
100	C33_Unbiased	2.523	2.571	-0.048
100	C34_Unbiased	2.858	2.725	0.133
100	C35_Unbiased	3.257	3.218	0.039
100	C36_Unbiased	2.585	3.033	-0.448
100	C37_Unbiased	3.285	3.301	-0.016
100	C38_Unbiased	2.860	2.809	0.051
	Max	3.352	3.502	0.393
	Average	2.614	2.657	-0.043
	Min	1.922	1.853	-0.610
	Std Dev	0.292	0.314	0.187

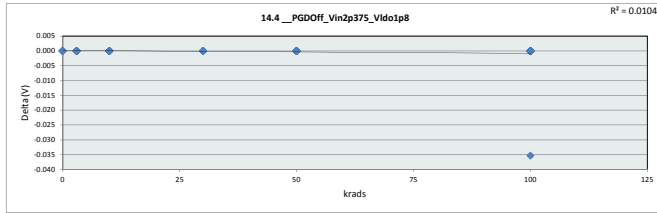


14.3_PGD_TurnOn_Delay_Vin2p925_Vldo2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	10	mSec				
Min Limit	0	mSec				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.227	2.383	2.401	1.943	1.853	1.875
Average	2.894	2.623	2.687	2.616	2.593	2.656
Max	3.172	2.971	3.020	3.233	3.502	3.301
UL	10.000	10.000	10.000	10.000	10.000	10.000

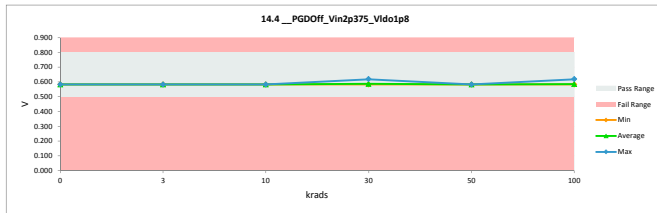


TID 100krad LDR Report
TPS7H3301-SP

14.4 PGDOFF_Vin2p375_Vldo1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.5	0.5		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.583	0.583	0.000
3	A79_Biased	0.583	0.583	0.000
3	A80_Biased	0.583	0.583	0.000
3	B1_Biased	0.583	0.583	0.000
3	B2_Biased	0.583	0.583	0.000
3	C1_Biased	0.583	0.583	0.000
3	A82_Unbiased	0.583	0.583	0.000
3	A83_Unbiased	0.583	0.583	0.000
3	B4_Unbiased	0.583	0.583	0.000
3	B5_Unbiased	0.583	0.583	0.000
3	C2_Unbiased	0.583	0.583	0.000
10	A85_Biased	0.583	0.583	0.000
10	A86_Biased	0.583	0.583	0.000
10	B6_Biased	0.583	0.583	0.000
10	C3_Biased	0.583	0.583	0.000
10	C4_Biased	0.583	0.583	0.000
10	A87_Unbiased	0.583	0.583	0.000
10	A88_Unbiased	0.583	0.583	0.000
10	B7_Unbiased	0.583	0.583	0.000
10	C5_Unbiased	0.583	0.583	0.000
10	C6_Unbiased	0.583	0.583	0.000
0	106_Corr	0.583	0.583	0.000
30	A89_Biased	0.583	0.583	0.000
30	B8_Biased	0.583	0.583	0.000
30	B9_Biased	0.583	0.583	0.000
30	C7_Biased	0.583	0.583	0.000
30	C9_Biased	0.583	0.583	0.000
30	A90_Unbiased	0.619	0.619	0.000
30	B10_Unbiased	0.583	0.583	0.000
30	B11_Unbiased	0.583	0.583	0.000
30	C11_Unbiased	0.583	0.583	0.000
30	C12_Unbiased	0.583	0.583	0.000
0	106_Corr	0.583	0.583	0.000
0	15B_Corr	0.583	0.583	0.000
50	A92_Biased	0.583	0.583	0.000
50	A93_Biased	0.583	0.583	0.000
50	B12_Biased	0.583	0.583	0.000
50	B13_Biased	0.583	0.583	0.000
50	C14_Biased	0.583	0.583	0.000
50	A95_Unbiased	0.583	0.583	0.000
50	A96_Unbiased	0.583	0.583	0.000
50	B15_Unbiased	0.583	0.583	0.000
50	B16_Unbiased	0.583	0.583	0.000
50	C15_Unbiased	0.583	0.583	0.000
0	106_Corr	0.583	0.583	0.000
100	A97_Biased	0.583	0.583	0.000
100	A99_Biased	0.583	0.583	0.000
100	A100_Biased	0.583	0.583	0.000
100	A101_Biased	0.583	0.583	0.000
100	A102_Biased	0.583	0.619	-0.035
100	A104_Biased	0.583	0.583	0.000
100	A105_Biased	0.583	0.583	0.000
100	B17_Biased	0.583	0.583	0.000
100	B18_Biased	0.583	0.583	0.000
100	B19_Biased	0.583	0.583	0.000
100	B20_Biased	0.583	0.583	0.000
100	B21_Biased	0.583	0.583	0.000
100	B24_Biased	0.583	0.583	0.000
100	B25_Biased	0.583	0.583	0.000
100	B26_Biased	0.583	0.583	0.000
100	C16_Biased	0.583	0.583	0.000
100	C17_Biased	0.583	0.583	0.000
100	C18_Biased	0.583	0.583	0.000
100	C19_Biased	0.583	0.583	0.000
100	C25_Biased	0.583	0.583	0.000
100	C26_Biased	0.583	0.583	0.000
100	C31_Biased	0.583	0.583	0.000
100	A107_Unbiased	0.583	0.583	0.000
100	A108_Unbiased	0.583	0.583	0.000
100	A109_Unbiased	0.583	0.583	0.000
100	A110_Unbiased	0.583	0.583	0.000
100	A111_Unbiased	0.583	0.583	0.000
100	A112_Unbiased	0.583	0.583	0.000
100	A113_Unbiased	0.583	0.583	0.000
100	B27_Unbiased	0.583	0.583	0.000
100	B29_Unbiased	0.583	0.583	0.000
100	B30_Unbiased	0.583	0.583	0.000
100	B31_Unbiased	0.583	0.583	0.000
100	B32_Unbiased	0.583	0.583	0.000
100	B33_Unbiased	0.583	0.583	0.000
100	B34_Unbiased	0.583	0.583	0.000
100	B35_Unbiased	0.583	0.583	0.000
100	C32_Unbiased	0.583	0.583	0.000
100	C33_Unbiased	0.583	0.583	0.000
100	C34_Unbiased	0.583	0.583	0.000
100	C35_Unbiased	0.583	0.583	0.000
100	C36_Unbiased	0.583	0.583	0.000
100	C37_Unbiased	0.583	0.583	0.000
100	C38_Unbiased	0.583	0.583	0.000
	Max	0.619	0.619	0.000
	Average	0.584	0.584	0.000
	Min	0.583	0.583	-0.035
	Std Dev	0.004	0.005	0.004

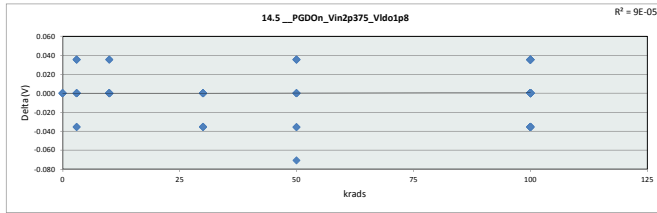


14.4 PGDOFF_Vin2p375_Vldo1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.5	V				
Krads	0	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.583	0.583	0.583	0.583	0.583	0.583
Average	0.583	0.583	0.583	0.587	0.583	0.584
Max	0.583	0.583	0.583	0.619	0.583	0.619
UL	0.800	0.800	0.800	0.800	0.800	0.800

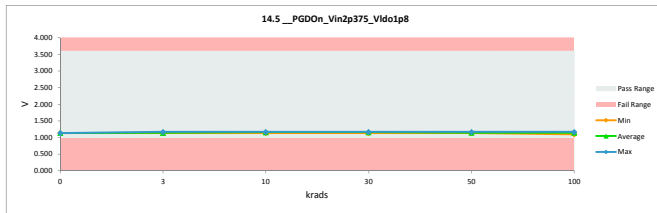


TID 100krad LDR Report
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14.5_PGDOn_Vin2p375_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	3.6	3.6		
Min Limit	1	1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.131	1.131	0.000
3	A79_Biased	1.167	1.167	0.000
3	A80_Biased	1.167	1.131	0.035
3	B1_Biased	1.167	1.131	0.035
3	B2_Biased	1.131	1.131	0.000
3	C1_Biased	1.167	1.131	0.035
3	A82_Unbiased	1.131	1.131	0.000
3	A83_Unbiased	1.096	1.131	-0.035
3	B4_Unbiased	1.131	1.131	0.000
3	B5_Unbiased	1.131	1.167	-0.035
3	C2_Unbiased	1.131	1.131	0.000
10	A85_Biased	1.167	1.167	0.000
10	A86_Biased	1.167	1.167	0.000
10	B6_Biased	1.167	1.167	0.000
10	C3_Biased	1.167	1.131	0.035
10	C4_Biased	1.167	1.167	0.000
10	A87_Unbiased	1.167	1.167	0.000
10	A88_Unbiased	1.167	1.167	0.000
10	B7_Unbiased	1.167	1.131	0.035
10	C5_Unbiased	1.167	1.167	0.000
10	C6_Unbiased	1.131	1.131	0.000
0	106_Corr	1.131	1.131	0.000
30	A89_Biased	1.096	1.131	-0.035
30	B8_Biased	1.167	1.167	0.000
30	B9_Biased	1.131	1.167	-0.035
30	C7_Biased	1.167	1.167	0.000
30	C9_Biased	1.167	1.167	0.000
30	A90_Unbiased	1.131	1.131	0.000
30	B10_Unbiased	1.096	1.131	-0.035
30	B11_Unbiased	1.167	1.167	0.000
30	C11_Unbiased	1.167	1.167	0.000
30	C12_Unbiased	1.167	1.167	0.000
0	106_Corr	1.131	1.131	0.000
0	15B_Corr	1.131	1.131	0.000
50	A92_Biased	1.167	1.167	0.000
50	A93_Biased	1.096	1.167	-0.071
50	B12_Biased	1.167	1.131	0.035
50	B13_Biased	1.131	1.131	0.000
50	C14_Biased	1.167	1.131	0.035
50	A95_Unbiased	1.131	1.131	0.000
50	A96_Unbiased	1.131	1.167	-0.035
50	B15_Unbiased	1.131	1.131	0.000
50	B16_Unbiased	1.131	1.167	-0.035
50	C15_Unbiased	1.167	1.131	0.035
0	106_Corr	1.131	1.131	0.000
100	A97_Biased	1.131	1.131	0.000
100	A99_Biased	1.131	1.131	0.000
100	A100_Biased	1.131	1.131	0.000
100	A101_Biased	1.131	1.167	-0.035
100	A102_Biased	1.167	1.167	0.000
100	A104_Biased	1.167	1.167	0.000
100	A105_Biased	1.096	1.131	-0.035
100	B17_Biased	1.167	1.167	0.000
100	B18_Biased	1.096	1.131	-0.035
100	B19_Biased	1.131	1.167	-0.035
100	B20_Biased	1.167	1.167	0.000
100	B21_Biased	1.131	1.167	-0.035
100	B24_Biased	1.096	1.131	-0.035
100	B25_Biased	1.131	1.131	0.000
100	B26_Biased	1.131	1.131	0.000
100	C16_Biased	1.167	1.131	0.035
100	C17_Biased	1.131	1.131	0.000
100	C18_Biased	1.167	1.167	0.000
100	C19_Biased	1.167	1.131	0.035
100	C25_Biased	1.131	1.167	-0.035
100	C26_Biased	1.131	1.131	0.000
100	C31_Biased	1.167	1.167	0.000
100	C31_Unbiased	1.131	1.096	0.035
100	A107_Unbiased	1.131	1.096	0.035
100	A108_Unbiased	1.167	1.167	0.000
100	A109_Unbiased	1.096	1.131	-0.035
100	A110_Unbiased	1.131	1.131	0.000
100	A111_Unbiased	1.131	1.131	0.000
100	A112_Unbiased	1.167	1.131	0.035
100	A113_Unbiased	1.131	1.096	0.035
100	B27_Unbiased	1.131	1.131	0.000
100	B29_Unbiased	1.131	1.131	0.000
100	B30_Unbiased	1.167	1.131	0.035
100	B31_Unbiased	1.167	1.131	0.035
100	B32_Unbiased	1.167	1.167	0.000
100	B33_Unbiased	1.167	1.131	0.035
100	B34_Unbiased	1.131	1.131	0.000
100	B35_Unbiased	1.167	1.167	0.000
100	C32_Unbiased	1.167	1.167	0.000
100	C33_Unbiased	1.167	1.131	0.035
100	C34_Unbiased	1.167	1.167	0.000
100	C35_Unbiased	1.167	1.167	0.000
100	C36_Unbiased	1.167	1.167	0.000
100	C37_Unbiased	1.167	1.131	0.035
100	C38_Unbiased	1.167	1.167	0.000
	Max	1.167	1.167	0.035
	Average	1.146	1.146	0.000
	Min	1.096	1.096	-0.071
	Std Dev	0.023	0.019	0.023

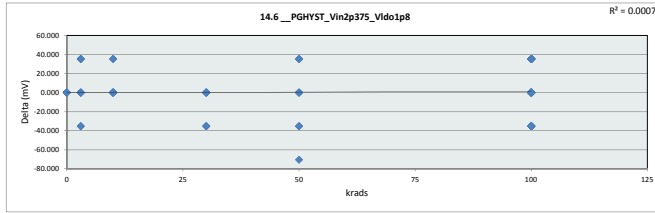


14.5_PGDOn_Vin2p375_Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	3.6 V					
Min Limit	1 V					
Krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.131	1.131	1.131	1.131	1.131	1.096
Average	1.131	1.138	1.156	1.167	1.145	1.144
Max	1.131	1.167	1.167	1.167	1.167	1.167
UL	3.600	3.600	3.600	3.600	3.600	3.600

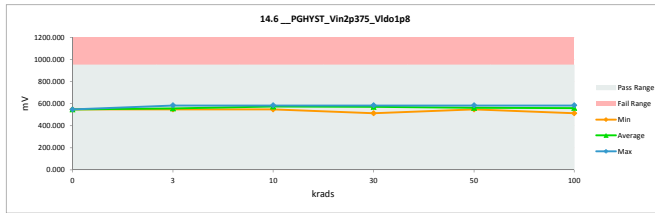


TID 100krad LDR Report
TPS7H3301-SP

14.6_PGHYST_Vin2p375_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	547.980	547.980	0.000
3	A79_Biased	583.333	583.333	0.000
3	A80_Biased	583.333	547.980	-35.353
3	B1_Biased	583.333	547.980	-35.353
3	B2_Biased	547.980	547.980	0.000
3	C1_Biased	583.333	547.980	-35.353
3	A82_Unbiased	547.980	547.980	0.000
3	A83_Unbiased	512.626	547.980	-35.354
3	B4_Unbiased	547.980	547.980	0.000
3	B5_Unbiased	547.980	583.333	-35.353
3	C2_Unbiased	547.980	547.980	0.000
10	A85_Biased	583.333	583.333	0.000
10	A86_Biased	583.333	583.333	0.000
10	B6_Biased	583.333	583.333	0.000
10	C3_Biased	583.333	547.980	-35.353
10	C4_Biased	583.333	583.333	0.000
10	A87_Unbiased	583.333	583.333	0.000
10	A88_Unbiased	583.333	583.333	0.000
10	B7_Unbiased	583.333	547.980	-35.353
10	C5_Unbiased	583.333	583.333	0.000
10	C6_Unbiased	547.980	547.980	0.000
0	106_Corr	547.980	547.980	0.000
30	A89_Biased	512.626	547.980	-35.354
30	B8_Biased	583.333	583.333	0.000
30	B9_Biased	547.980	583.333	-35.353
30	C7_Biased	583.333	583.333	0.000
30	C9_Biased	583.333	583.333	0.000
30	A90_Unbiased	512.626	512.626	0.000
30	B10_Unbiased	512.626	547.980	-35.354
30	B11_Unbiased	583.333	583.333	0.000
30	C11_Unbiased	583.333	583.333	0.000
30	C12_Unbiased	583.333	583.333	0.000
0	106_Corr	547.980	547.980	0.000
0	15B_Corr	547.980	547.980	0.000
50	A92_Biased	583.333	583.333	0.000
50	A93_Biased	512.626	583.333	-70.707
50	B12_Biased	583.333	547.980	-35.353
50	B13_Biased	547.980	547.980	0.000
50	C14_Biased	583.333	547.980	-35.353
50	A95_Unbiased	547.980	547.980	0.000
50	A96_Unbiased	547.980	583.333	-35.353
50	B15_Unbiased	547.980	547.980	0.000
50	B16_Unbiased	547.980	583.333	-35.353
50	C15_Unbiased	583.333	547.980	-35.353
0	106_Corr	547.980	547.980	0.000
100	A97_Biased	547.980	547.980	0.000
100	A99_Biased	547.980	547.980	0.000
100	A100_Biased	547.980	547.980	0.000
100	A101_Biased	547.980	583.333	-35.353
100	A102_Biased	583.333	547.980	-35.353
100	A104_Biased	583.333	583.333	0.000
100	A105_Biased	512.626	547.980	-35.354
100	B17_Biased	583.333	583.333	0.000
100	B18_Biased	512.626	547.980	-35.354
100	B19_Biased	547.980	583.333	-35.353
100	B20_Biased	583.333	583.333	0.000
100	B21_Biased	547.980	583.333	-35.353
100	B24_Biased	512.626	547.980	-35.354
100	B25_Biased	547.980	547.980	0.000
100	B26_Biased	547.980	547.980	0.000
100	C16_Biased	583.333	547.980	-35.353
100	C17_Biased	547.980	547.980	0.000
100	C18_Biased	583.333	583.333	0.000
100	C19_Biased	583.333	547.980	-35.353
100	C25_Biased	547.980	583.333	-35.353
100	C26_Biased	547.980	547.980	0.000
100	C31_Biased	583.333	583.333	0.000
100	A107_Unbiased	547.980	512.626	-35.354
100	A108_Unbiased	583.333	583.333	0.000
100	A109_Unbiased	512.626	547.980	-35.354
100	A110_Unbiased	547.980	547.980	0.000
100	A111_Unbiased	547.980	547.980	0.000
100	A112_Unbiased	583.333	547.980	-35.353
100	A113_Unbiased	547.980	512.626	-35.354
100	B27_Unbiased	547.980	547.980	0.000
100	B29_Unbiased	547.980	547.980	0.000
100	B30_Unbiased	583.333	547.980	-35.353
100	B31_Unbiased	583.333	547.980	-35.353
100	B32_Unbiased	583.333	583.333	0.000
100	B33_Unbiased	583.333	547.980	-35.353
100	B34_Unbiased	547.980	547.980	0.000
100	B35_Unbiased	583.333	583.333	0.000
100	C32_Unbiased	583.333	583.333	0.000
100	C33_Unbiased	583.333	547.980	-35.353
100	C34_Unbiased	583.333	583.333	0.000
100	C35_Unbiased	583.333	583.333	0.000
100	C36_Unbiased	583.333	583.333	0.000
100	C37_Unbiased	583.333	547.980	-35.353
100	C38_Unbiased	583.333	583.333	0.000
	Max	583.333	583.333	35.354
	Average	561.286	561.486	0.199
	Min	512.626	512.626	-70.707
	Std Dev	23.667	19.587	23.218

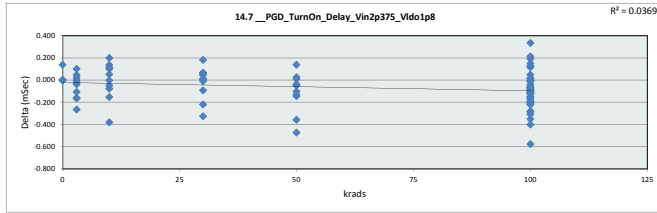


14.6_PGHYST_Vin2p375_Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	950	mV				
Min Limit	0	mV				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	547.980	547.980	547.980	512.626	547.980	512.626
Average	547.980	555.051	572.727	569.192	562.121	560.032
Max	547.980	583.333	583.333	583.333	583.333	583.333
UL	950.000	950.000	950.000	950.000	950.000	950.000

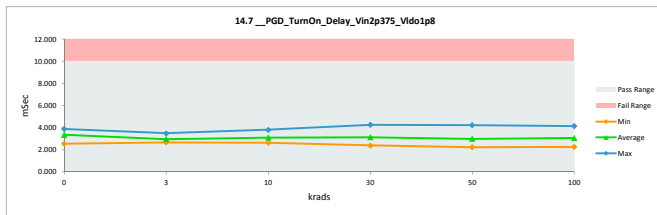


TID 100krad LDR Report
TPS7H3301-SP

14.7_PGD_TurnOn_Delay_Vin2				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mSec	mSec		
Max Limit	10	10		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.560	2.560	0.000
3	A79_Biased	2.886	2.864	0.022
3	A80_Biased	2.949	2.951	-0.002
3	B1_Biased	2.667	2.830	-0.163
3	B2_Biased	2.663	2.700	-0.037
3	C1_Biased	3.063	3.015	0.048
3	A82_Unbiased	2.585	2.690	-0.105
3	A83_Unbiased	3.024	3.288	-0.264
3	B4_Unbiased	2.654	2.678	-0.024
3	B5_Unbiased	2.904	3.065	-0.161
3	C2_Unbiased	3.602	3.501	0.101
10	A85_Biased	2.674	3.054	-0.380
10	A86_Biased	2.975	2.861	0.114
10	B6_Biased	3.465	3.541	-0.076
10	C3_Biased	3.170	3.219	-0.049
10	C4_Biased	3.157	2.956	0.201
10	A87_Unbiased	2.778	2.641	0.137
10	A88_Unbiased	2.799	2.952	-0.153
10	B7_Unbiased	2.983	2.929	0.054
10	C5_Unbiased	3.158	3.159	-0.001
10	C6_Unbiased	3.924	3.822	0.102
0	106_Corr	3.892	3.892	0.000
30	A89_Biased	2.505	2.438	0.067
30	B8_Biased	3.258	3.076	0.182
30	B9_Biased	2.642	2.595	0.047
30	C7_Biased	3.862	3.853	0.009
30	C9_Biased	3.946	4.271	-0.325
30	A90_Unbiased	2.468	2.406	0.062
30	B10_Unbiased	2.627	2.635	-0.008
30	B11_Unbiased	3.252	3.342	-0.090
30	C11_Unbiased	3.254	3.241	0.013
30	C12_Unbiased	3.262	3.479	-0.217
0	106_Corr	3.561	3.561	0.000
0	15B_Corr	2.997	2.997	0.000
50	A92_Biased	2.859	2.850	0.009
50	A93_Biased	2.932	2.792	0.140
50	B12_Biased	2.953	2.926	0.027
50	B13_Biased	2.197	2.246	-0.049
50	C14_Biased	3.384	3.422	-0.038
50	A95_Unbiased	2.763	2.866	-0.103
50	A96_Unbiased	2.722	2.865	-0.143
50	B15_Unbiased	2.743	2.876	-0.133
50	B16_Unbiased	2.579	2.937	-0.358
50	C15_Unbiased	3.757	4.228	-0.471
0	106_Corr	3.892	3.892	0.000
100	A97_Biased	2.684	2.882	-0.198
100	A99_Biased	2.809	3.027	-0.218
100	A100_Biased	2.744	2.863	-0.119
100	A101_Biased	3.403	3.487	-0.284
100	A102_Biased	2.872	2.990	-0.118
100	A104_Biased	2.969	2.854	0.115
100	A105_Biased	2.725	2.765	-0.040
100	B17_Biased	2.558	2.679	-0.121
100	B18_Biased	2.828	2.677	0.151
100	B19_Biased	2.719	2.595	0.124
100	B20_Biased	2.792	2.663	0.129
100	B21_Biased	2.918	2.981	-0.063
100	B24_Biased	2.732	2.739	-0.007
100	B25_Biased	2.568	2.919	-0.351
100	B26_Biased	2.525	2.629	-0.104
100	C16_Biased	3.670	3.831	-0.161
100	C17_Biased	3.324	3.725	-0.401
100	C18_Biased	2.854	3.045	-0.191
100	C19_Biased	3.539	3.729	-0.190
100	C25_Biased	3.422	3.372	0.050
100	C26_Biased	3.826	3.918	-0.092
100	C31_Biased	3.569	4.145	-0.576
100	A107_Unbiased	2.577	2.524	0.053
100	A108_Unbiased	2.668	2.975	-0.307
100	A109_Unbiased	2.232	2.299	-0.067
100	A110_Unbiased	2.894	3.059	-0.165
100	A111_Unbiased	3.189	3.194	-0.005
100	A112_Unbiased	3.151	2.816	0.335
100	A113_Unbiased	2.293	2.407	-0.114
100	B27_Unbiased	2.468	2.277	0.191
100	B29_Unbiased	3.320	3.331	-0.011
100	B30_Unbiased	2.628	2.628	0.000
100	B31_Unbiased	3.447	3.431	0.016
100	B32_Unbiased	2.737	2.847	-0.110
100	B33_Unbiased	2.839	2.624	0.215
100	B34_Unbiased	2.979	2.937	0.042
100	B35_Unbiased	2.953	3.039	-0.086
100	C32_Unbiased	2.877	2.955	-0.078
100	C33_Unbiased	2.894	3.103	-0.209
100	C34_Unbiased	3.049	3.248	-0.199
100	C35_Unbiased	3.674	3.674	0.000
100	C36_Unbiased	3.059	3.339	-0.280
100	C37_Unbiased	4.150	4.132	0.018
100	C38_Unbiased	3.274	3.493	-0.219
	Max	4.150	4.271	0.335
	Average	3.099	3.075	-0.066
	Min	2.197	2.246	-0.576
	Std Dev	0.433	0.463	0.161

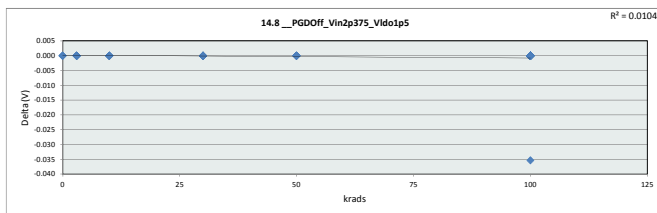


14.7_PGD_TurnOn_Delay_Vin2p375_Vld01p8						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mSec				
Min Limit	0	mSec				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.560	2.678	2.641	2.406	2.246	2.277
Average	3.353	2.958	3.113	3.134	3.001	3.065
Max	3.892	3.501	3.822	4.271	4.228	4.145
UL	10.000	10.000	10.000	10.000	10.000	10.000

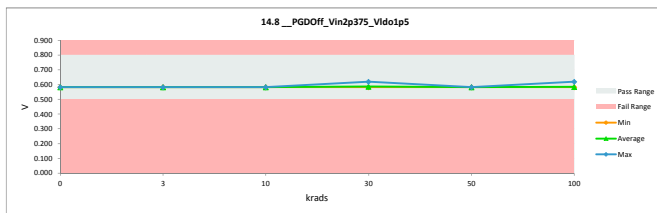


TID 100krad LDR Report
TPS7H3301-SP

14.8 PGDOFF_Vin2p375_Vldo1				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.5	0.5		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.583	0.583	0.000
3	A79_Biased	0.583	0.583	0.000
3	A80_Biased	0.583	0.583	0.000
3	B1_Biased	0.583	0.583	0.000
3	B2_Biased	0.583	0.583	0.000
3	C1_Biased	0.583	0.583	0.000
3	A82_Unbiased	0.583	0.583	0.000
3	A83_Unbiased	0.583	0.583	0.000
3	B4_Unbiased	0.583	0.583	0.000
3	B5_Unbiased	0.583	0.583	0.000
3	C2_Unbiased	0.583	0.583	0.000
10	A85_Biased	0.583	0.583	0.000
10	A86_Biased	0.583	0.583	0.000
10	B6_Biased	0.583	0.583	0.000
10	C3_Biased	0.583	0.583	0.000
10	C4_Biased	0.583	0.583	0.000
10	A87_Unbiased	0.583	0.583	0.000
10	A88_Unbiased	0.583	0.583	0.000
10	B7_Unbiased	0.583	0.583	0.000
10	C5_Unbiased	0.583	0.583	0.000
10	C6_Unbiased	0.583	0.583	0.000
0	106_Corr	0.583	0.583	0.000
30	A89_Biased	0.583	0.583	0.000
30	B8_Biased	0.583	0.583	0.000
30	B9_Biased	0.583	0.583	0.000
30	C7_Biased	0.583	0.583	0.000
30	C9_Biased	0.583	0.583	0.000
30	A90_Unbiased	0.619	0.619	0.000
30	B10_Unbiased	0.583	0.583	0.000
30	B11_Unbiased	0.583	0.583	0.000
30	C11_Unbiased	0.583	0.583	0.000
30	C12_Unbiased	0.583	0.583	0.000
0	106_Corr	0.583	0.583	0.000
0	15B_Corr	0.583	0.583	0.000
50	A92_Biased	0.583	0.583	0.000
50	A93_Biased	0.583	0.583	0.000
50	B12_Biased	0.583	0.583	0.000
50	B13_Biased	0.583	0.583	0.000
50	C14_Biased	0.583	0.583	0.000
50	A95_Unbiased	0.583	0.583	0.000
50	A96_Unbiased	0.583	0.583	0.000
50	B15_Unbiased	0.583	0.583	0.000
50	B16_Unbiased	0.583	0.583	0.000
50	C15_Unbiased	0.583	0.583	0.000
0	106_Corr	0.583	0.583	0.000
100	A97_Biased	0.583	0.583	0.000
100	A99_Biased	0.583	0.583	0.000
100	A100_Biased	0.583	0.583	0.000
100	A101_Biased	0.583	0.583	0.000
100	A102_Biased	0.583	0.619	-0.035
100	A104_Biased	0.583	0.583	0.000
100	A105_Biased	0.583	0.583	0.000
100	B17_Biased	0.583	0.583	0.000
100	B18_Biased	0.583	0.583	0.000
100	B19_Biased	0.583	0.583	0.000
100	B20_Biased	0.583	0.583	0.000
100	B21_Biased	0.583	0.583	0.000
100	B24_Biased	0.583	0.583	0.000
100	B25_Biased	0.583	0.583	0.000
100	B26_Biased	0.583	0.583	0.000
100	C16_Biased	0.583	0.583	0.000
100	C17_Biased	0.583	0.583	0.000
100	C18_Biased	0.583	0.583	0.000
100	C19_Biased	0.583	0.583	0.000
100	C25_Biased	0.583	0.583	0.000
100	C26_Biased	0.583	0.583	0.000
100	C31_Biased	0.583	0.583	0.000
100	A107_Unbiased	0.583	0.583	0.000
100	A108_Unbiased	0.583	0.583	0.000
100	A109_Unbiased	0.583	0.583	0.000
100	A110_Unbiased	0.583	0.583	0.000
100	A111_Unbiased	0.583	0.583	0.000
100	A112_Unbiased	0.583	0.583	0.000
100	A113_Unbiased	0.583	0.583	0.000
100	B27_Unbiased	0.583	0.583	0.000
100	B29_Unbiased	0.583	0.583	0.000
100	B30_Unbiased	0.583	0.583	0.000
100	B31_Unbiased	0.583	0.583	0.000
100	B32_Unbiased	0.583	0.583	0.000
100	B33_Unbiased	0.583	0.583	0.000
100	B34_Unbiased	0.583	0.583	0.000
100	B35_Unbiased	0.583	0.583	0.000
100	C32_Unbiased	0.583	0.583	0.000
100	C33_Unbiased	0.583	0.583	0.000
100	C34_Unbiased	0.583	0.583	0.000
100	C35_Unbiased	0.583	0.583	0.000
100	C36_Unbiased	0.583	0.583	0.000
100	C37_Unbiased	0.583	0.583	0.000
100	C38_Unbiased	0.583	0.583	0.000
	Max	0.619	0.619	0.000
	Average	0.584	0.584	0.000
	Min	0.583	0.583	-0.035
	Std Dev	0.004	0.005	0.004

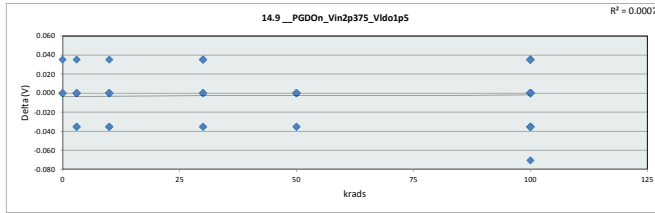


14.8 PGDOFF_Vin2p375_Vldo1ps						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.5	V				
Krads	LL	3	10	30	50	100
LL	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.583	0.583	0.583	0.583	0.583	0.583
Average	0.583	0.583	0.583	0.587	0.583	0.584
Max	0.583	0.583	0.583	0.619	0.583	0.619
UL	0.800	0.800	0.800	0.800	0.800	0.800

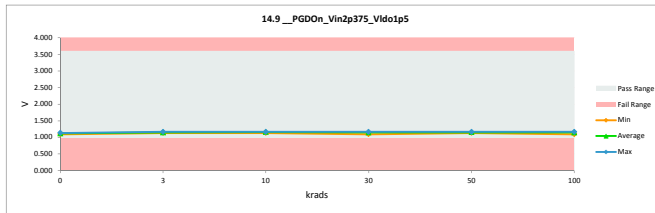


TID 100krad LDR Report
TPS7H3301-SP

14.9_PGDOn_Vin2p375_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	3.6	3.6		
Min Limit	1	1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.096	1.096	0.000
3	A79_Biased	1.131	1.167	-0.035
3	A80_Biased	1.167	1.131	0.035
3	B1_Biased	1.167	1.167	0.000
3	B2_Biased	1.131	1.131	0.000
3	C1_Biased	1.167	1.167	0.000
3	A82_Unbiased	1.096	1.131	-0.035
3	A83_Unbiased	1.096	1.131	-0.035
3	B4_Unbiased	1.131	1.131	0.000
3	B5_Unbiased	1.167	1.167	0.000
3	C2_Unbiased	1.167	1.167	0.000
10	A85_Biased	1.131	1.131	0.000
10	A86_Biased	1.167	1.131	0.035
10	B6_Biased	1.131	1.167	-0.035
10	C3_Biased	1.167	1.167	0.000
10	C4_Biased	1.167	1.167	0.000
10	A87_Unbiased	1.167	1.167	0.000
10	A88_Unbiased	1.131	1.167	-0.035
10	B7_Unbiased	1.131	1.167	-0.035
10	C5_Unbiased	1.167	1.167	0.000
10	C6_Unbiased	1.167	1.167	0.000
0	106_Corr	1.131	1.131	0.000
30	A89_Biased	1.131	1.131	0.000
30	B8_Biased	1.167	1.167	0.000
30	B9_Biased	1.096	1.131	-0.035
30	C7_Biased	1.167	1.131	0.035
30	C9_Biased	1.167	1.167	0.000
30	A90_Unbiased	1.131	1.167	-0.035
30	B10_Unbiased	1.131	1.096	0.035
30	B11_Unbiased	1.167	1.131	0.035
30	C11_Unbiased	1.167	1.167	0.000
30	C12_Unbiased	1.167	1.167	0.000
0	106_Corr	1.131	1.131	0.000
0	15B_Corr	1.131	1.131	0.000
50	A92_Biased	1.167	1.167	0.000
50	A93_Biased	1.131	1.167	-0.035
50	B12_Biased	1.131	1.131	0.000
50	B13_Biased	1.131	1.131	0.000
50	C14_Biased	1.167	1.167	0.000
50	A95_Unbiased	1.131	1.131	0.000
50	A96_Unbiased	1.167	1.167	0.000
50	B15_Unbiased	1.131	1.131	0.000
50	B16_Unbiased	1.131	1.167	-0.035
50	C15_Unbiased	1.167	1.167	0.000
0	106_Corr	1.131	1.096	0.035
100	A97_Biased	1.131	1.096	0.035
100	A99_Biased	1.167	1.167	0.000
100	A100_Biased	1.131	1.131	0.000
100	A101_Biased	1.167	1.167	0.000
100	A102_Biased	1.131	1.131	0.000
100	A104_Biased	1.167	1.167	0.000
100	A105_Biased	1.131	1.131	0.000
100	B17_Biased	1.167	1.167	0.000
100	B18_Biased	1.131	1.096	0.035
100	B19_Biased	1.167	1.131	0.035
100	B20_Biased	1.167	1.167	0.000
100	B21_Biased	1.167	1.131	0.035
100	B24_Biased	1.131	1.131	0.000
100	B25_Biased	1.096	1.167	-0.071
100	B26_Biased	1.167	1.131	0.035
100	C16_Biased	1.167	1.131	0.035
100	C17_Biased	1.167	1.167	0.000
100	C18_Biased	1.131	1.167	-0.035
100	C19_Biased	1.167	1.167	0.000
100	C25_Biased	1.167	1.167	0.000
100	C26_Biased	1.131	1.167	-0.035
100	C31_Biased	1.167	1.131	0.035
100	A107_Unbiased	1.131	1.131	0.000
100	A108_Unbiased	1.167	1.167	0.000
100	A109_Unbiased	1.096	1.131	-0.035
100	A110_Unbiased	1.131	1.131	0.000
100	A111_Unbiased	1.167	1.131	0.035
100	A112_Unbiased	1.131	1.167	-0.035
100	A113_Unbiased	1.131	1.131	0.000
100	B27_Unbiased	1.131	1.131	0.000
100	B29_Unbiased	1.131	1.131	0.000
100	B30_Unbiased	1.131	1.167	-0.035
100	B31_Unbiased	1.167	1.167	0.000
100	B32_Unbiased	1.167	1.167	0.000
100	B33_Unbiased	1.131	1.167	-0.035
100	B34_Unbiased	1.131	1.131	0.000
100	B35_Unbiased	1.167	1.131	0.035
100	C32_Unbiased	1.167	1.167	0.000
100	C33_Unbiased	1.167	1.167	0.000
100	C34_Unbiased	1.131	1.167	-0.035
100	C35_Unbiased	1.131	1.167	-0.035
100	C36_Unbiased	1.131	1.167	-0.035
100	C37_Unbiased	1.167	1.167	0.000
100	C38_Unbiased	1.167	1.167	0.000
	Max	1.167	1.167	0.035
	Average	1.146	1.148	-0.002
	Min	1.096	1.096	-0.071
	Std Dev	0.022	0.021	0.023

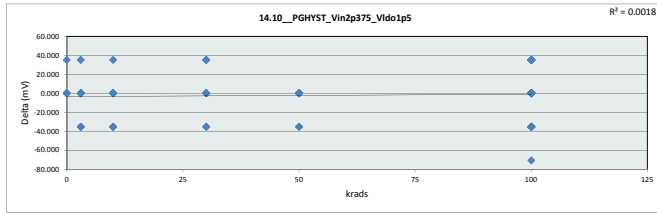


14.9_PGDOn_Vin2p375_Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	3.6 V					
Min Limit	1 V					
Krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.096	1.131	1.131	1.096	1.131	1.096
Average	1.117	1.149	1.160	1.145	1.153	1.149
Max	1.131	1.167	1.167	1.167	1.167	1.167
UL	3.600	3.600	3.600	3.600	3.600	3.600

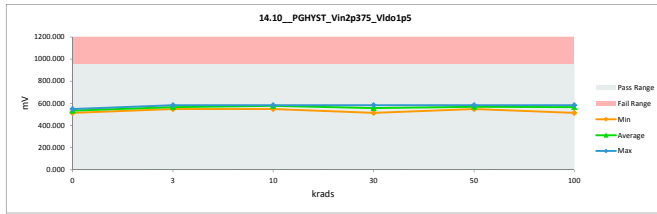


TID 100krad LDR Report
TPS7H3301-SP

14.10_PGHYST_Vin2p375_Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	950	950		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	512.626	512.626	0.000
3	A79_Biased	547.980	583.333	-35.353
3	A80_Biased	583.333	547.980	35.353
3	B1_Biased	583.333	583.333	0.000
3	B2_Biased	547.980	547.980	0.000
3	C1_Biased	583.333	583.333	0.000
3	A82_Unbiased	512.626	547.980	-35.354
3	A83_Unbiased	512.626	547.980	-35.354
3	B4_Unbiased	547.980	547.980	0.000
3	B5_Unbiased	583.333	583.333	0.000
3	C2_Unbiased	583.333	583.333	0.000
10	A85_Biased	547.980	547.980	0.000
10	A86_Biased	583.333	547.980	35.353
10	B6_Biased	547.980	583.333	-35.353
10	C3_Biased	583.333	583.333	0.000
10	C4_Biased	583.333	583.333	0.000
10	A87_Unbiased	583.333	583.333	0.000
10	A88_Unbiased	547.980	583.333	-35.353
10	B7_Unbiased	547.980	583.333	-35.353
10	C5_Unbiased	583.333	583.333	0.000
10	C6_Unbiased	583.333	583.333	0.000
0	106_Corr	547.980	547.980	0.000
30	A89_Biased	547.980	547.980	0.000
30	B8_Biased	583.333	583.333	0.000
30	B9_Biased	512.626	547.980	-35.354
30	C7_Biased	583.333	547.980	35.353
30	C9_Biased	583.333	583.333	0.000
30	A90_Unbiased	512.626	547.980	-35.354
30	B10_Unbiased	547.980	512.626	35.354
30	B11_Unbiased	583.333	547.980	35.353
30	C11_Unbiased	583.333	583.333	0.000
30	C12_Unbiased	583.333	583.333	0.000
0	106_Corr	547.980	547.980	0.000
0	15B_Corr	547.980	547.980	0.000
50	A92_Biased	583.333	583.333	0.000
50	A93_Biased	547.980	583.333	-35.353
50	B12_Biased	547.980	547.980	0.000
50	B13_Biased	547.980	547.980	0.000
50	C14_Biased	583.333	583.333	0.000
50	A95_Unbiased	547.980	547.980	0.000
50	A96_Unbiased	583.333	583.333	0.000
50	B15_Unbiased	547.980	547.980	0.000
50	B16_Unbiased	547.980	583.333	-35.353
50	C15_Unbiased	583.333	583.333	0.000
0	106_Corr	512.626	512.626	35.354
100	A97_Biased	547.980	512.626	35.354
100	A99_Biased	583.333	583.333	0.000
100	A100_Biased	547.980	547.980	0.000
100	A101_Biased	583.333	583.333	0.000
100	A102_Biased	547.980	512.626	35.354
100	A104_Biased	583.333	583.333	0.000
100	A105_Biased	547.980	547.980	0.000
100	B17_Biased	583.333	583.333	0.000
100	B18_Biased	547.980	512.626	35.354
100	B19_Biased	583.333	547.980	35.353
100	B20_Biased	583.333	583.333	0.000
100	B21_Biased	583.333	547.980	35.353
100	B24_Biased	547.980	547.980	0.000
100	B25_Biased	512.626	583.333	-70.707
100	B26_Biased	583.333	547.980	35.353
100	C16_Biased	583.333	547.980	35.353
100	C17_Biased	583.333	583.333	0.000
100	C18_Biased	547.980	583.333	-35.353
100	C19_Biased	583.333	583.333	0.000
100	C25_Biased	583.333	583.333	0.000
100	C26_Biased	547.980	583.333	-35.353
100	C31_Biased	583.333	547.980	35.353
100	A107_Unbiased	547.980	547.980	0.000
100	A108_Unbiased	583.333	583.333	0.000
100	A109_Unbiased	512.626	547.980	-35.354
100	A110_Unbiased	547.980	547.980	0.000
100	A111_Unbiased	583.333	547.980	35.353
100	A112_Unbiased	547.980	583.333	-35.353
100	A113_Unbiased	547.980	547.980	0.000
100	B27_Unbiased	547.980	547.980	0.000
100	B29_Unbiased	547.980	547.980	0.000
100	B30_Unbiased	547.980	583.333	-35.353
100	B31_Unbiased	583.333	583.333	0.000
100	B32_Unbiased	583.333	583.333	0.000
100	B33_Unbiased	547.980	583.333	-35.353
100	B34_Unbiased	547.980	547.980	0.000
100	B35_Unbiased	583.333	547.980	35.353
100	C32_Unbiased	583.333	583.333	0.000
100	C33_Unbiased	583.333	583.333	0.000
100	C34_Unbiased	547.980	583.333	-35.353
100	C35_Unbiased	547.980	583.333	-35.353
100	C36_Unbiased	547.980	583.333	-35.353
100	C37_Unbiased	583.333	583.333	0.000
100	C38_Unbiased	583.333	583.333	0.000
	Max	583.333	583.333	35.354
	Average	564.280	564.266	-1.986
	Min	512.626	512.626	-70.707
	Std Dev	22.435	22.011	23.450



14.10_PGHYST_Vin2p375_Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	950 mV					
Min Limit	0 mV					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	512.626	547.980	547.980	512.626	547.980	512.626
Average	533.838	565.657	576.262	558.586	569.192	564.853
Max	547.980	583.333	583.333	583.333	583.333	583.333
UL	950.000	950.000	950.000	950.000	950.000	950.000

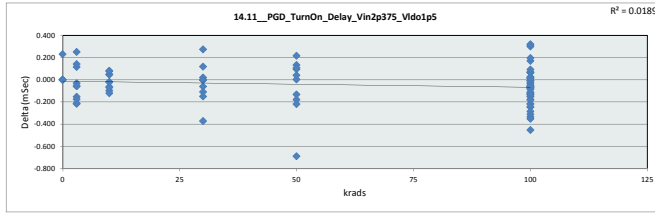


TID 100krad LDR Report
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14.11_PGD_TurnOn_Delay_Vin

Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	mSec	mSec
Max Limit	10	10
Min Limit	0	0

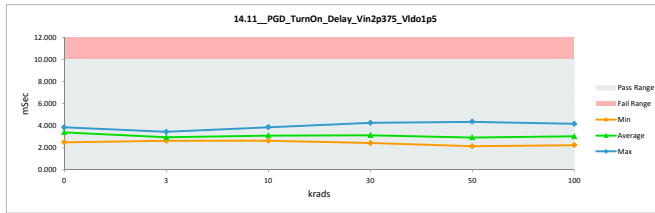
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.514	2.514	0.000
3	A79_Biased	2.827	2.980	-0.153
3	A80_Biased	3.167	3.051	0.116
3	B1_Biased	2.658	2.873	-0.215
3	B2_Biased	2.579	2.636	-0.057
3	C1_Biased	3.246	2.994	0.252
3	A82_Unbiased	2.716	2.746	-0.030
3	A83_Unbiased	3.010	3.068	-0.058
3	B4_Unbiased	2.580	2.793	-0.213
3	B5_Unbiased	2.771	2.947	-0.176
3	C2_Unbiased	3.595	3.454	0.141
10	A85_Biased	2.726	2.822	-0.096
10	A86_Biased	2.966	2.920	0.046
10	B6_Biased	3.516	3.534	-0.018
10	C3_Biased	3.249	3.200	0.049
10	C4_Biased	3.149	3.069	0.080
10	A87_Unbiased	2.571	2.635	-0.064
10	A88_Unbiased	3.029	2.947	0.082
10	B7_Unbiased	2.930	3.049	-0.119
10	C5_Unbiased	2.975	3.044	-0.069
10	C6_Unbiased	3.849	3.867	-0.018
0	106_Corr	3.845	3.845	0.000
30	A89_Biased	2.375	2.434	-0.059
30	B8_Biased	3.252	3.133	0.119
30	B9_Biased	2.706	2.705	0.001
30	C7_Biased	3.977	3.702	0.275
30	C9_Biased	4.263	4.261	0.002
30	A90_Unbiased	2.176	2.546	-0.370
30	B10_Unbiased	2.481	2.629	-0.148
30	B11_Unbiased	3.142	3.122	0.020
30	C11_Unbiased	3.346	3.355	-0.109
30	C12_Unbiased	3.552	3.553	-0.001
0	106_Corr	3.860	3.860	0.000
0	15B_Corr	3.173	3.173	0.000
50	A92_Biased	2.853	3.032	-0.179
50	A93_Biased	2.856	2.852	0.004
50	B12_Biased	2.722	2.627	0.095
50	B13_Biased	2.183	2.141	0.042
50	C14_Biased	3.456	3.239	0.217
50	A95_Unbiased	2.974	2.974	-0.218
50	A96_Unbiased	2.765	2.633	0.132
50	B15_Unbiased	2.736	2.869	-0.133
50	B16_Unbiased	2.785	2.677	0.108
50	C15_Unbiased	3.667	4.258	-0.689
0	106_Corr	3.845	3.845	0.000
100	A97_Biased	2.675	3.008	-0.333
100	A99_Biased	3.052	3.178	-0.126
100	A100_Biased	2.792	2.856	-0.064
100	A101_Biased	3.189	3.339	-0.150
100	A102_Biased	2.705	2.919	-0.214
100	A104_Biased	2.744	2.878	-0.134
100	A105_Biased	2.647	2.758	-0.111
100	B17_Biased	2.550	2.558	-0.008
100	B18_Biased	2.561	2.806	-0.245
100	B19_Biased	2.589	2.522	0.067
100	B20_Biased	2.661	2.971	-0.310
100	B21_Biased	2.851	2.923	-0.072
100	B24_Biased	2.654	2.635	0.019
100	B25_Biased	2.828	2.854	-0.026
100	B26_Biased	2.791	2.621	0.170
100	C16_Biased	3.662	4.012	-0.350
100	C17_Biased	3.439	3.657	-0.218
100	C18_Biased	2.911	3.155	-0.244
100	C19_Biased	3.586	3.647	-0.061
100	C25_Biased	3.243	3.250	-0.007
100	C26_Biased	3.819	3.968	-0.149
100	C31_Biased	3.846	4.130	-0.284
100	A107_Unbiased	2.472	2.548	-0.076
100	A108_Unbiased	2.847	2.965	-0.118
100	A109_Unbiased	2.316	2.381	-0.065
100	A110_Unbiased	2.943	2.878	0.065
100	A111_Unbiased	3.147	3.152	-0.005
100	A112_Unbiased	2.823	2.796	0.027
100	A113_Unbiased	2.257	2.295	-0.038
100	B27_Unbiased	2.544	2.244	0.300
100	B29_Unbiased	3.522	3.324	0.198
100	B30_Unbiased	2.650	2.658	-0.128
100	B31_Unbiased	3.361	3.291	0.070
100	B32_Unbiased	2.661	2.840	-0.179
100	B33_Unbiased	2.829	2.735	0.094
100	B34_Unbiased	2.953	2.833	0.320
100	B35_Unbiased	2.945	3.031	-0.086
100	C32_Unbiased	2.940	2.992	-0.052
100	C33_Unbiased	2.995	2.978	0.017
100	C34_Unbiased	3.308	2.995	0.313
100	C35_Unbiased	3.213	3.665	-0.452
100	C36_Unbiased	3.119	3.179	-0.060
100	C37_Unbiased	3.995	4.177	-0.182
100	C38_Unbiased	3.378	3.365	0.013
	Max	4.263	4.358	0.320
	Average	3.013	3.059	-0.046
	Min	2.176	2.141	-0.689
	Std Dev	0.457	0.469	0.170



14.11_PGD_TurnOn_Delay_V

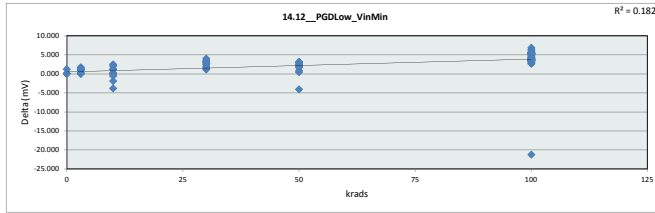
Test Site	Dallas, Tx
Testor	ETS
Test Number	EF636800
Unit	mSec
Max Limit	10
Min Limit	0

krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.514	2.636	2.635	2.434	2.141	2.244
Average	3.401	2.954	3.109	3.144	2.940	3.040
Max	3.860	3.454	3.867	4.261	4.358	4.177
UL	10.000	10.000	10.000	10.000	10.000	10.000

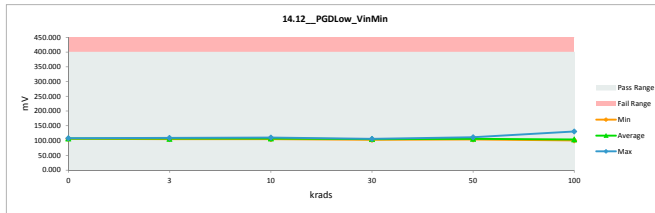


TID 100krad LDR Report
TPS7H3301-SP

14.12_PGDLow_VinMin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	400	400		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	107.662	107.662	0.000
3	A79_Biased	106.164	105.051	1.113
3	A80_Biased	106.211	106.027	0.184
3	B1_Biased	108.108	106.865	1.243
3	B2_Biased	110.707	109.553	1.154
3	C1_Biased	109.263	109.002	0.261
3	A82_Unbiased	105.963	104.979	0.984
3	A83_Unbiased	107.218	105.461	1.757
3	B4_Unbiased	107.424	105.832	1.592
3	B5_Unbiased	108.472	107.084	1.388
3	C2_Unbiased	105.222	105.276	-0.054
10	A85_Biased	107.184	105.876	1.308
10	A86_Biased	107.419	106.199	0.220
10	B6_Biased	108.238	108.015	0.223
10	C3_Biased	106.507	110.299	-3.792
10	C4_Biased	107.970	109.907	-1.937
10	A87_Unbiased	107.419	105.370	2.049
10	A88_Unbiased	107.144	106.031	1.113
10	B7_Unbiased	110.086	107.635	2.451
10	C5_Unbiased	107.772	107.910	-0.138
10	C6_Unbiased	105.382	105.965	-0.583
0	106_Corr	106.678	106.678	0.000
30	A89_Biased	107.333	104.332	3.001
30	B8_Biased	108.573	105.829	2.744
30	B9_Biased	108.563	105.390	3.173
30	C7_Biased	106.876	105.707	1.169
30	C9_Biased	106.056	104.209	1.847
30	A90_Unbiased	106.462	102.881	3.581
30	B10_Unbiased	108.935	105.818	3.117
30	B11_Unbiased	107.485	103.517	3.968
30	C11_Unbiased	105.176	103.603	1.573
30	C12_Unbiased	106.573	104.189	2.384
0	106_Corr	107.600	107.600	0.000
0	15B_Corr	107.165	107.165	0.000
50	A92_Biased	106.166	103.741	2.425
50	A93_Biased	107.550	104.756	2.794
50	B12_Biased	106.858	106.067	0.791
50	B13_Biased	106.879	110.927	-4.048
50	C14_Biased	105.080	104.646	0.434
50	A95_Unbiased	105.368	103.529	1.839
50	A96_Unbiased	107.147	105.524	1.623
50	B15_Unbiased	108.760	105.729	3.031
50	B16_Unbiased	108.970	105.850	3.120
50	C15_Unbiased	108.986	106.848	2.138
0	106_Corr	106.678	106.678	0.000
100	A97_Biased	106.958	100.909	6.049
100	A99_Biased	106.087	102.325	3.762
100	A100_Biased	106.289	101.669	4.620
100	A101_Biased	108.825	101.944	6.881
100	A102_Biased	108.808	103.638	5.170
100	A104_Biased	107.393	101.836	5.557
100	A105_Biased	107.780	102.520	5.260
100	B17_Biased	108.718	103.593	5.125
100	B18_Biased	110.408	105.233	5.175
100	B19_Biased	108.633	103.514	5.119
100	B20_Biased	108.676	103.543	5.133
100	B21_Biased	108.135	102.567	5.568
100	B24_Biased	108.495	104.316	4.179
100	B25_Biased	109.321	103.683	5.638
100	B26_Biased	107.875	102.644	5.231
100	C16_Biased	109.357	105.385	3.972
100	C17_Biased	106.450	102.863	3.587
100	C18_Biased	108.150	104.410	3.740
100	C19_Biased	107.415	104.760	2.655
100	C25_Biased	107.184	104.423	2.761
100	C26_Biased	107.198	103.436	3.762
100	C31_Biased	104.826	101.316	3.510
100	A107_Unbiased	107.194	103.279	3.915
100	A108_Unbiased	106.318	101.923	4.395
100	A109_Unbiased	106.591	102.259	4.332
100	A110_Unbiased	106.625	101.591	5.034
100	A111_Unbiased	107.319	102.425	4.894
100	A112_Unbiased	108.135	102.791	5.344
100	A113_Unbiased	107.560	101.976	5.584
100	B27_Unbiased	109.372	130.568	-21.196
100	B29_Unbiased	107.664	104.019	3.645
100	B30_Unbiased	108.202	102.599	5.603
100	B31_Unbiased	109.134	102.678	6.456
100	B32_Unbiased	107.438	102.212	5.226
100	B33_Unbiased	106.653	103.169	3.484
100	B34_Unbiased	107.483	103.791	3.692
100	B35_Unbiased	107.483	103.556	3.927
100	C32_Unbiased	109.077	105.892	3.185
100	C33_Unbiased	106.873	103.378	3.495
100	C34_Unbiased	106.633	103.048	3.585
100	C35_Unbiased	107.571	104.320	3.251
100	C36_Unbiased	108.700	105.714	2.986
100	C37_Unbiased	107.767	104.182	3.585
100	C38_Unbiased	106.840	102.676	4.164
	Max	110.707	130.568	6.881
	Average	107.506	104.995	2.511
	Min	104.826	100.909	-21.196
	Std Dev	1.209	3.467	3.331

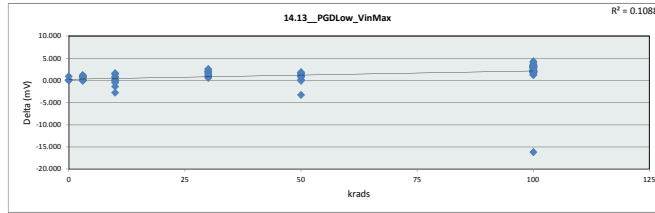


14.12_PGDLow_VinMin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	400	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	105.482	104.979	105.370	102.881	103.529	100.909
Average	106.917	106.513	107.321	104.548	105.762	103.831
Max	107.662	109.553	110.299	105.829	110.927	130.568
UL	400.000	400.000	400.000	400.000	400.000	400.000

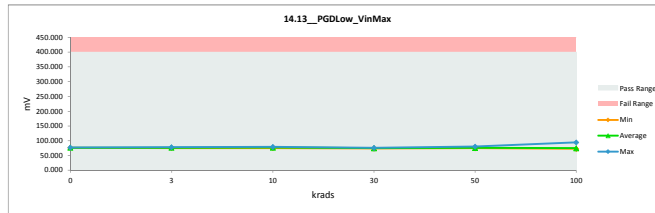


TID 100krad LDR Report
TPS7H3301-SP

14.13_PGDLow_VinMax				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	400	400		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	77.158	77.158	0.000
3	A79_Biased	75.971	75.273	0.698
3	A80_Biased	75.883	75.838	0.045
3	B1_Biased	77.212	76.436	0.776
3	B2_Biased	78.758	78.027	0.731
3	C1_Biased	77.979	77.910	0.069
3	A82_Unbiased	75.867	75.251	0.616
3	A83_Unbiased	76.532	75.375	1.157
3	B4_Unbiased	77.206	76.151	1.055
3	B5_Unbiased	77.404	76.510	0.894
3	C2_Unbiased	75.772	75.903	-0.131
10	A85_Biased	76.490	75.677	0.813
10	A86_Biased	76.009	76.009	0.000
10	B6_Biased	77.331	77.246	0.085
10	C3_Biased	76.036	78.850	-2.814
10	C4_Biased	77.208	78.655	-1.447
10	A87_Unbiased	76.709	75.353	1.356
10	A88_Unbiased	76.642	75.969	0.673
10	B7_Unbiased	78.313	76.694	1.619
10	C5_Unbiased	77.009	77.222	-0.213
10	C6_Unbiased	75.683	76.209	-0.526
0	106_Corr	76.537	76.537	0.000
30	A89_Biased	76.782	74.902	1.880
30	B8_Biased	77.477	75.771	1.706
30	B9_Biased	77.572	75.584	1.988
30	C7_Biased	76.463	75.918	0.545
30	C9_Biased	76.139	75.092	1.047
30	A90_Unbiased	76.180	73.887	2.293
30	B10_Unbiased	77.649	75.693	1.956
30	B11_Unbiased	76.781	74.209	2.572
30	C11_Unbiased	75.598	74.747	0.851
30	C12_Unbiased	76.371	74.948	1.423
0	106_Corr	77.211	77.211	0.000
0	158_Corr	76.850	76.850	0.000
50	A92_Biased	75.917	74.592	1.325
50	A93_Biased	76.830	75.244	1.586
50	B12_Biased	76.217	76.050	0.167
50	B13_Biased	76.661	79.980	-3.319
50	C14_Biased	75.507	75.639	-0.132
50	A95_Unbiased	75.459	74.562	0.897
50	A96_Unbiased	76.511	75.772	0.739
50	B15_Unbiased	77.487	75.734	1.753
50	B16_Unbiased	77.772	75.976	1.796
50	C15_Unbiased	77.665	76.728	0.937
0	106_Corr	76.538	76.538	0.000
100	A97_Biased	76.493	72.861	3.632
100	A99_Biased	75.904	73.846	2.058
100	A100_Biased	75.937	73.294	2.643
100	A101_Biased	77.614	73.355	4.259
100	A102_Biased	77.574	74.396	3.178
100	A104_Biased	76.769	73.441	3.328
100	A105_Biased	76.868	73.757	3.111
100	B17_Biased	77.573	74.586	2.987
100	B18_Biased	78.588	75.602	2.986
100	B19_Biased	77.440	74.460	2.980
100	B20_Biased	77.558	74.603	2.955
100	B21_Biased	77.244	73.945	3.299
100	B24_Biased	77.437	75.117	2.320
100	B25_Biased	77.991	74.663	3.328
100	B26_Biased	77.159	74.018	3.141
100	C16_Biased	77.920	75.782	2.138
100	C17_Biased	76.278	74.390	1.888
100	C18_Biased	76.960	75.021	1.939
100	C19_Biased	76.808	75.624	1.184
100	C25_Biased	76.632	75.387	1.245
100	C26_Biased	76.686	74.689	1.997
100	C31_Biased	75.428	73.586	1.842
100	A107_Unbiased	76.428	74.291	2.137
100	A108_Unbiased	76.003	73.471	2.532
100	A109_Unbiased	76.232	73.703	2.529
100	B110_Unbiased	76.168	73.159	3.009
100	A111_Unbiased	76.415	73.589	2.826
100	A112_Unbiased	77.091	73.818	3.273
100	A113_Unbiased	76.932	73.481	3.451
100	B27_Unbiased	78.018	94.246	-16.228
100	B29_Unbiased	76.835	74.871	1.964
100	B30_Unbiased	77.299	73.946	3.353
100	B31_Unbiased	77.741	73.726	4.015
100	B32_Unbiased	76.653	73.505	3.148
100	B33_Unbiased	76.260	74.301	1.959
100	B34_Unbiased	76.924	74.636	2.018
100	B35_Unbiased	76.858	74.643	2.215
100	C32_Unbiased	77.683	76.041	1.642
100	C33_Unbiased	76.278	74.403	1.875
100	C34_Unbiased	76.005	74.112	1.893
100	C35_Unbiased	76.924	75.194	1.730
100	C36_Unbiased	77.545	75.995	1.550
100	C37_Unbiased	76.962	75.010	1.952
100	C38_Unbiased	76.254	73.939	2.315
	Max	78.758	94.246	4.259
	Average	76.826	75.455	1.371
	Min	75.428	72.861	-16.228
	Std Dev	0.730	2.431	2.325

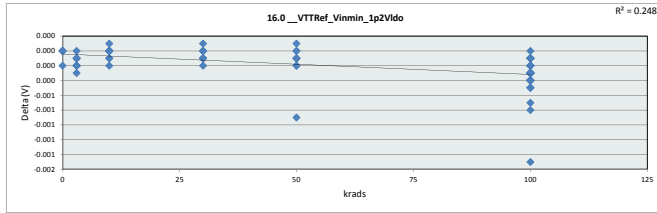


14.13_PGDLow_VinMax						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	400	mV				
Min Limit	0	mV				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	75.614	75.251	75.353	73.887	74.562	72.861
Average	76.673	76.267	76.788	75.075	76.028	74.784
Max	77.211	78.027	78.850	75.918	79.980	94.246
UL	400.000	400.000	400.000	400.000	400.000	400.000

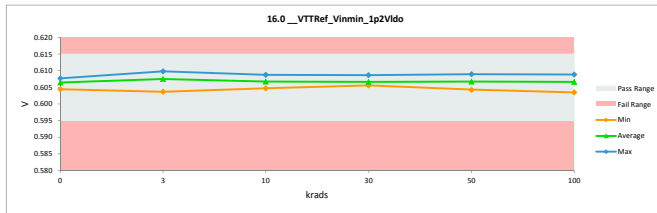


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16.0_VTTRef_Vinmin_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	0.615	0.615		
Max Limit	0.595	0.595		
Min Limit	0.595	0.595		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.608	0.608	0.000
3	A79_Biased	0.610	0.610	0.000
3	A80_Biased	0.608	0.608	0.000
3	B1_Biased	0.608	0.608	0.000
3	B2_Biased	0.604	0.604	0.000
3	C1_Biased	0.607	0.607	0.000
3	A82_Unbiased	0.608	0.608	0.000
3	A83_Unbiased	0.609	0.609	0.000
3	B4_Unbiased	0.607	0.607	0.000
3	B5_Unbiased	0.606	0.607	0.000
3	C2_Unbiased	0.608	0.608	0.000
10	A85_Biased	0.605	0.605	0.000
10	A86_Biased	0.607	0.607	0.000
10	B6_Biased	0.609	0.609	0.000
10	C3_Biased	0.607	0.607	0.000
10	C4_Biased	0.608	0.608	0.000
10	A87_Unbiased	0.605	0.605	0.000
10	A88_Unbiased	0.609	0.609	0.000
10	B7_Unbiased	0.606	0.606	0.000
10	C5_Unbiased	0.608	0.608	0.000
10	C6_Unbiased	0.605	0.605	0.000
0	106_Corr	0.607	0.607	0.000
30	A89_Biased	0.606	0.606	0.000
30	B8_Biased	0.609	0.609	0.000
30	B9_Biased	0.606	0.606	0.000
30	C7_Biased	0.606	0.606	0.000
30	C9_Biased	0.606	0.606	0.000
30	A90_Unbiased	0.608	0.608	0.000
30	B10_Unbiased	0.605	0.606	0.000
30	B11_Unbiased	0.607	0.607	0.000
30	C11_Unbiased	0.607	0.607	0.000
30	C12_Unbiased	0.606	0.607	0.000
0	106_Corr	0.607	0.607	0.000
0	15B_Corr	0.604	0.604	0.000
50	A92_Biased	0.608	0.608	0.000
50	A93_Biased	0.608	0.608	0.000
50	B12_Biased	0.605	0.605	0.000
50	B13_Biased	0.606	0.606	0.000
50	C14_Biased	0.607	0.607	0.000
50	A95_Unbiased	0.604	0.604	0.000
50	A96_Unbiased	0.607	0.607	0.000
50	B15_Unbiased	0.609	0.609	0.000
50	B16_Unbiased	0.606	0.606	0.000
50	C15_Unbiased	0.608	0.609	-0.001
0	106_Corr	0.607	0.607	0.000
100	A97_Biased	0.606	0.606	0.000
100	A99_Biased	0.607	0.607	0.000
100	A100_Biased	0.604	0.604	0.000
100	A101_Biased	0.607	0.607	0.000
100	A102_Biased	0.608	0.609	-0.001
100	A104_Biased	0.607	0.607	0.000
100	A105_Biased	0.605	0.605	0.000
100	B17_Biased	0.607	0.607	0.000
100	B18_Biased	0.603	0.604	0.000
100	B19_Biased	0.605	0.605	0.000
100	B20_Biased	0.607	0.607	0.000
100	B21_Biased	0.607	0.608	0.000
100	B24_Biased	0.605	0.605	0.000
100	B25_Biased	0.606	0.606	0.000
100	B26_Biased	0.603	0.604	0.000
100	C16_Biased	0.608	0.609	0.000
100	C17_Biased	0.607	0.607	0.000
100	C18_Biased	0.608	0.609	-0.001
100	C19_Biased	0.606	0.606	0.000
100	C25_Biased	0.606	0.607	-0.001
100	C26_Biased	0.607	0.608	-0.001
100	C31_Biased	0.609	0.609	0.000
100	A107_Unbiased	0.607	0.607	0.000
100	A108_Unbiased	0.607	0.607	0.000
100	A109_Unbiased	0.608	0.608	0.000
100	A110_Unbiased	0.608	0.608	0.000
100	A111_Unbiased	0.607	0.607	0.000
100	A112_Unbiased	0.608	0.609	0.000
100	A113_Unbiased	0.608	0.608	0.000
100	B27_Unbiased	0.605	0.606	-0.002
100	B29_Unbiased	0.607	0.607	0.000
100	B30_Unbiased	0.606	0.606	0.000
100	B31_Unbiased	0.607	0.607	-0.001
100	B32_Unbiased	0.607	0.607	0.000
100	B33_Unbiased	0.605	0.605	0.000
100	B34_Unbiased	0.606	0.606	0.000
100	B35_Unbiased	0.605	0.605	0.000
100	C32_Unbiased	0.605	0.606	0.000
100	C33_Unbiased	0.607	0.607	0.000
100	C34_Unbiased	0.606	0.607	0.000
100	C35_Unbiased	0.605	0.606	0.000
100	C36_Unbiased	0.608	0.608	0.000
100	C37_Unbiased	0.605	0.605	0.000
100	C38_Unbiased	0.607	0.607	0.000
	Max	0.610	0.610	0.000
	Average	0.607	0.607	0.000
	Min	0.603	0.604	-0.002
	Std Dev	0.001	0.001	0.000

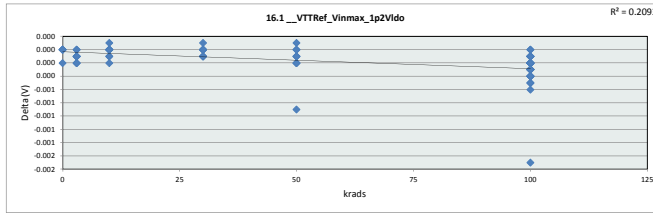


16.0_VTTRef_Vinmin_1p2Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.615	V				
Min Limit	0.595	V				
Krads	0	3	10	30	50	100
LL	0.595	0.595	0.595	0.595	0.595	0.595
Min	0.604	0.604	0.605	0.606	0.604	0.604
Average	0.606	0.608	0.607	0.607	0.607	0.607
Max	0.608	0.610	0.609	0.609	0.609	0.609
UL	0.615	0.615	0.615	0.615	0.615	0.615

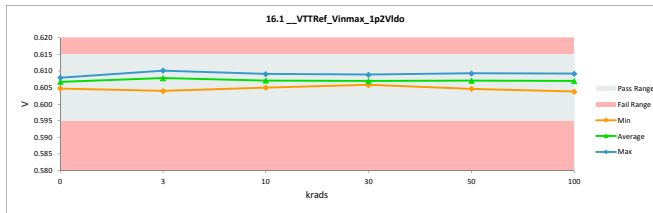


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16.1_VTTRef_Vinmax_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit				
Max Limit	0.615	0.615		
Min Limit	0.595	0.595		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.608	0.608	0.000
3	A79_Biased	0.610	0.610	0.000
3	A80_Biased	0.609	0.609	0.000
3	B1_Biased	0.608	0.608	0.000
3	B2_Biased	0.604	0.604	0.000
3	C1_Biased	0.607	0.607	0.000
3	A82_Unbiased	0.608	0.608	0.000
3	A83_Unbiased	0.609	0.609	0.000
3	B4_Unbiased	0.607	0.607	0.000
3	B5_Unbiased	0.607	0.607	0.000
3	C2_Unbiased	0.608	0.609	0.000
10	A85_Biased	0.605	0.605	0.000
10	A86_Biased	0.607	0.607	0.000
10	B6_Biased	0.609	0.609	0.000
10	C3_Biased	0.607	0.607	0.000
10	C4_Biased	0.609	0.609	0.000
10	A87_Unbiased	0.605	0.605	0.000
10	A88_Unbiased	0.609	0.609	0.000
10	B7_Unbiased	0.607	0.607	0.000
10	C5_Unbiased	0.608	0.608	0.000
10	C6_Unbiased	0.605	0.605	0.000
0	106_Corr	0.607	0.607	0.000
30	A89_Biased	0.606	0.606	0.000
30	B8_Biased	0.609	0.609	0.000
30	B9_Biased	0.606	0.606	0.000
30	C7_Biased	0.606	0.607	0.000
30	C9_Biased	0.606	0.606	0.000
30	A90_Unbiased	0.609	0.608	0.000
30	B10_Unbiased	0.606	0.606	0.000
30	B11_Unbiased	0.608	0.608	0.000
30	C11_Unbiased	0.607	0.607	0.000
30	C12_Unbiased	0.607	0.607	0.000
0	106_Corr	0.607	0.607	0.000
0	15B_Corr	0.605	0.605	0.000
50	A92_Biased	0.608	0.608	0.000
50	A93_Biased	0.608	0.608	0.000
50	B12_Biased	0.606	0.606	0.000
50	B13_Biased	0.606	0.606	0.000
50	C14_Biased	0.607	0.607	0.000
50	A95_Unbiased	0.604	0.605	0.000
50	A96_Unbiased	0.607	0.607	0.000
50	B15_Unbiased	0.609	0.609	0.000
50	B16_Unbiased	0.606	0.606	0.000
50	C15_Unbiased	0.608	0.609	-0.001
0	106_Corr	0.607	0.607	0.000
100	A97_Biased	0.606	0.607	0.000
100	A99_Biased	0.607	0.608	0.000
100	A100_Biased	0.604	0.604	0.000
100	A101_Biased	0.608	0.608	0.000
100	A102_Biased	0.608	0.609	-0.001
100	A104_Biased	0.607	0.607	0.000
100	A105_Biased	0.605	0.606	0.000
100	B17_Biased	0.607	0.608	0.000
100	B18_Biased	0.604	0.604	0.000
100	B19_Biased	0.605	0.605	0.000
100	B20_Biased	0.607	0.608	0.000
100	B21_Biased	0.608	0.608	0.000
100	B24_Biased	0.605	0.605	0.000
100	B25_Biased	0.606	0.606	0.000
100	B26_Biased	0.604	0.604	0.000
100	C16_Biased	0.609	0.609	0.000
100	C17_Biased	0.607	0.607	0.000
100	C18_Biased	0.608	0.609	-0.001
100	C19_Biased	0.607	0.607	0.000
100	C25_Biased	0.607	0.607	-0.001
100	C26_Biased	0.608	0.608	-0.001
100	C31_Biased	0.609	0.609	0.000
100	A107_Unbiased	0.607	0.607	0.000
100	A108_Unbiased	0.607	0.608	0.000
100	A109_Unbiased	0.608	0.609	0.000
100	A110_Unbiased	0.608	0.608	0.000
100	A111_Unbiased	0.607	0.607	0.000
100	A112_Unbiased	0.609	0.609	0.000
100	A113_Unbiased	0.608	0.608	0.000
100	B27_Unbiased	0.605	0.607	-0.002
100	B29_Unbiased	0.607	0.608	0.000
100	B30_Unbiased	0.606	0.607	0.000
100	B31_Unbiased	0.607	0.607	0.000
100	B32_Unbiased	0.607	0.607	0.000
100	B33_Unbiased	0.605	0.606	0.000
100	B34_Unbiased	0.606	0.606	0.000
100	B35_Unbiased	0.605	0.605	0.000
100	C32_Unbiased	0.606	0.606	0.000
100	C33_Unbiased	0.607	0.607	0.000
100	C34_Unbiased	0.607	0.607	0.000
100	C35_Unbiased	0.606	0.606	0.000
100	C36_Unbiased	0.608	0.608	0.000
100	C37_Unbiased	0.605	0.606	0.000
100	C38_Unbiased	0.607	0.607	0.000
	Max	0.610	0.610	0.000
	Average	0.607	0.607	0.000
	Min	0.604	0.604	-0.002
	Std Dev	0.001	0.001	0.000

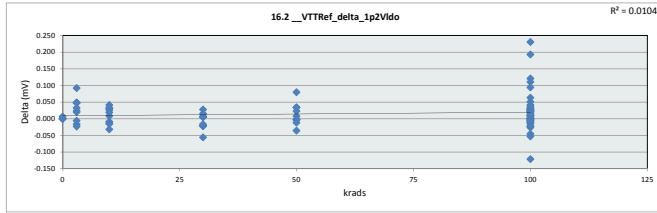


16.1_VTTRef_Vinmax_1p2VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.615	V				
Min Limit	0.595	V				
Krads	LL	3	10	30	50	100
	LL	0.595	0.595	0.595	0.595	0.595
	Min	0.605	0.604	0.605	0.606	0.605
	Average	0.607	0.608	0.607	0.607	0.607
	Max	0.608	0.610	0.609	0.609	0.609
	UL	0.615	0.615	0.615	0.615	0.615

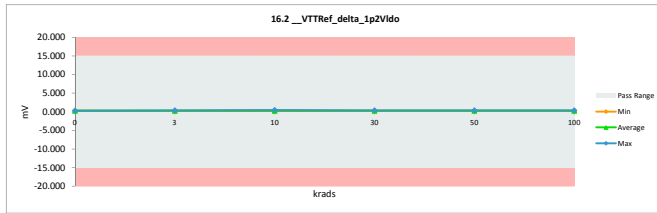


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16.2_VTTRef_delta_1p2Vdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.297	0.297	0.000
3	A79_Biased	0.277	0.294	-0.017
3	A80_Biased	0.444	0.352	0.092
3	B1_Biased	0.483	0.435	0.048
3	B2_Biased	0.304	0.310	-0.006
3	C1_Biased	0.315	0.295	0.020
3	A82_Unbiased	0.467	0.419	0.048
3	A83_Unbiased	0.287	0.263	0.024
3	B4_Unbiased	0.306	0.274	0.032
3	B5_Unbiased	0.286	0.309	-0.023
3	C2_Unbiased	0.465	0.416	0.049
10	A85_Biased	0.322	0.295	0.027
10	A86_Biased	0.297	0.289	0.008
10	B6_Biased	0.292	0.301	-0.009
10	C3_Biased	0.296	0.309	-0.013
10	C4_Biased	0.327	0.296	0.031
10	A87_Unbiased	0.336	0.295	0.041
10	A88_Unbiased	0.298	0.266	0.032
10	B7_Unbiased	0.300	0.281	0.019
10	C5_Unbiased	0.444	0.476	-0.032
10	C6_Unbiased	0.298	0.314	-0.016
0	106_Corr	0.285	0.285	0.000
30	A89_Biased	0.293	0.287	0.006
30	B8_Biased	0.285	0.257	0.028
30	B9_Biased	0.295	0.289	0.006
30	C7_Biased	0.277	0.298	-0.021
30	C9_Biased	0.295	0.217	0.078
30	A90_Unbiased	0.376	0.432	-0.056
30	B10_Unbiased	0.272	0.289	-0.017
30	B11_Unbiased	0.285	0.280	0.005
30	C11_Unbiased	0.307	0.301	0.006
30	C12_Unbiased	0.307	0.292	0.015
0	106_Corr	0.297	0.297	0.000
0	15B_Corr	0.307	0.307	0.000
50	A92_Biased	0.368	0.404	-0.036
50	A93_Biased	0.291	0.293	-0.002
50	B12_Biased	0.328	0.295	0.033
50	B13_Biased	0.333	0.326	0.007
50	C14_Biased	0.310	0.313	-0.003
50	A95_Unbiased	0.308	0.285	0.023
50	A96_Unbiased	0.291	0.294	-0.003
50	B15_Unbiased	0.294	0.260	0.034
50	B16_Unbiased	0.292	0.304	-0.012
50	C15_Unbiased	0.272	0.293	0.021
0	106_Corr	0.285	0.279	0.006
100	A97_Biased	0.319	0.293	0.026
100	A99_Biased	0.282	0.281	0.001
100	A100_Biased	0.291	0.297	-0.006
100	A101_Biased	0.287	0.262	0.025
100	A102_Biased	0.492	0.262	0.230
100	A104_Biased	0.304	0.275	0.029
100	A105_Biased	0.287	0.332	-0.045
100	B17_Biased	0.301	0.279	0.022
100	B18_Biased	0.310	0.309	0.001
100	B19_Biased	0.311	0.280	0.031
100	B20_Biased	0.299	0.278	0.021
100	B21_Biased	0.285	0.288	-0.003
100	B24_Biased	0.304	0.318	-0.014
100	B25_Biased	0.291	0.274	0.017
100	B26_Biased	0.276	0.282	-0.006
100	C16_Biased	0.392	0.271	0.121
100	C17_Biased	0.320	0.279	0.041
100	C18_Biased	0.480	0.193	0.287
100	C19_Biased	0.320	0.320	0.000
100	C25_Biased	0.289	0.302	-0.013
100	C26_Biased	0.285	0.338	-0.053
100	C31_Biased	0.285	0.275	0.010
100	A107_Unbiased	0.316	0.316	0.000
100	A108_Unbiased	0.299	0.272	0.027
100	A109_Unbiased	0.437	0.386	0.051
100	A110_Unbiased	0.430	0.320	0.110
100	A111_Unbiased	0.300	0.272	0.028
100	A112_Unbiased	0.327	0.264	0.063
100	A113_Unbiased	0.481	0.387	0.094
100	B27_Unbiased	0.304	0.425	-0.121
100	B29_Unbiased	0.269	0.272	-0.003
100	B30_Unbiased	0.309	0.276	0.033
100	B31_Unbiased	0.309	0.270	0.039
100	B32_Unbiased	0.291	0.284	0.007
100	B33_Unbiased	0.291	0.317	-0.026
100	B34_Unbiased	0.300	0.297	0.003
100	B35_Unbiased	0.313	0.324	-0.011
100	C32_Unbiased	0.296	0.286	0.010
100	C33_Unbiased	0.278	0.269	0.009
100	C34_Unbiased	0.313	0.321	-0.008
100	C35_Unbiased	0.315	0.294	0.021
100	C36_Unbiased	0.321	0.344	-0.023
100	C37_Unbiased	0.307	0.327	-0.020
100	C38_Unbiased	0.289	0.278	0.011
	Max	0.492	0.476	0.230
	Average	0.321	0.306	0.015
	Min	0.269	0.257	-0.121
	Std Dev	0.055	0.044	0.046

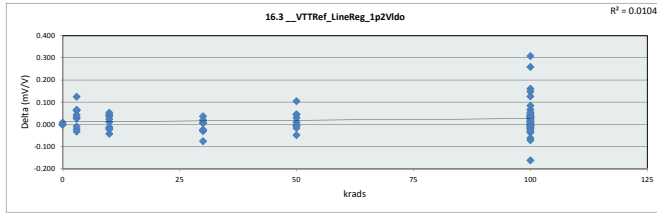


16.2_VTTRef_delta_1p2Vdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.279	0.263	0.266	0.257	0.260	0.262
Average	0.293	0.337	0.312	0.304	0.307	0.300
Max	0.307	0.435	0.476	0.432	0.404	0.425
UL	15.000	15.000	15.000	15.000	15.000	15.000

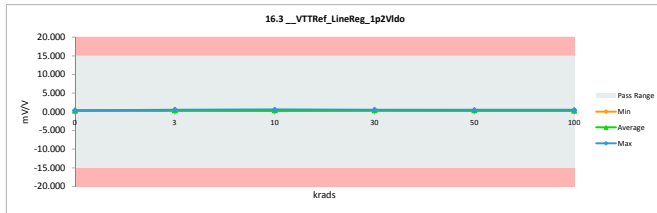


TID 100krad LDR Report
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16.3_VTTRef_LineReq_1p2VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.398	0.398	0.000
3	A79_Biased	0.371	0.393	-0.022
3	A80_Biased	0.597	0.472	0.125
3	B1_Biased	0.648	0.584	0.064
3	B2_Biased	0.411	0.419	-0.008
3	C1_Biased	0.424	0.397	0.027
3	A82_Unbiased	0.628	0.563	0.065
3	A83_Unbiased	0.385	0.352	0.033
3	B4_Unbiased	0.412	0.369	0.043
3	B5_Unbiased	0.385	0.416	-0.031
3	C2_Unbiased	0.624	0.558	0.066
10	A85_Biased	0.435	0.398	0.037
10	A86_Biased	0.400	0.389	0.011
10	B6_Biased	0.392	0.404	-0.012
10	C3_Biased	0.399	0.416	-0.017
10	C4_Biased	0.439	0.397	0.042
10	A87_Unbiased	0.453	0.399	0.054
10	A88_Unbiased	0.400	0.357	0.043
10	B7_Unbiased	0.404	0.379	0.025
10	C5_Unbiased	0.597	0.639	-0.042
10	C6_Unbiased	0.402	0.424	-0.022
0	106_Corr	0.384	0.384	0.000
30	A89_Biased	0.394	0.387	0.007
30	B8_Biased	0.383	0.345	0.038
30	B9_Biased	0.398	0.389	0.009
30	C7_Biased	0.373	0.401	-0.028
30	C9_Biased	0.398	0.427	-0.029
30	A90_Unbiased	0.505	0.580	-0.075
30	B10_Unbiased	0.367	0.390	-0.023
30	B11_Unbiased	0.383	0.376	0.007
30	C11_Unbiased	0.413	0.406	0.007
30	C12_Unbiased	0.413	0.393	0.020
0	106_Corr	0.399	0.399	0.000
0	15B_Corr	0.414	0.414	0.000
50	A92_Biased	0.495	0.543	-0.048
50	A93_Biased	0.385	0.390	-0.005
50	B12_Biased	0.443	0.398	0.045
50	B13_Biased	0.449	0.439	0.010
50	C14_Biased	0.418	0.422	-0.004
50	A95_Unbiased	0.416	0.385	0.031
50	A96_Unbiased	0.391	0.395	-0.004
50	B15_Unbiased	0.394	0.348	0.046
50	B16_Unbiased	0.394	0.410	-0.016
50	C15_Unbiased	0.499	0.393	0.106
0	106_Corr	0.384	0.375	0.009
100	A97_Biased	0.429	0.395	0.034
100	A99_Biased	0.379	0.378	0.001
100	A100_Biased	0.393	0.401	-0.008
100	A101_Biased	0.385	0.353	0.032
100	A102_Biased	0.641	0.352	0.309
100	A104_Biased	0.409	0.370	0.039
100	A105_Biased	0.387	0.448	-0.061
100	B17_Biased	0.405	0.375	0.030
100	B18_Biased	0.420	0.418	0.002
100	B19_Biased	0.420	0.378	0.042
100	B20_Biased	0.402	0.374	0.028
100	B21_Biased	0.383	0.387	-0.004
100	B24_Biased	0.411	0.429	-0.018
100	B25_Biased	0.391	0.369	0.022
100	B26_Biased	0.373	0.381	-0.008
100	C16_Biased	0.526	0.364	0.162
100	C17_Biased	0.430	0.375	0.055
100	C18_Biased	0.644	0.385	0.259
100	C19_Biased	0.431	0.431	0.000
100	C25_Biased	0.389	0.406	-0.017
100	C26_Biased	0.383	0.454	-0.071
100	C31_Biased	0.383	0.368	0.015
100	A107_Unbiased	0.425	0.425	0.000
100	A108_Unbiased	0.402	0.366	0.036
100	A109_Unbiased	0.586	0.518	0.068
100	A110_Unbiased	0.578	0.430	0.148
100	A111_Unbiased	0.404	0.366	0.038
100	A112_Unbiased	0.439	0.354	0.085
100	A113_Unbiased	0.647	0.520	0.127
100	B27_Unbiased	0.410	0.572	-0.162
100	B29_Unbiased	0.362	0.365	-0.003
100	B30_Unbiased	0.416	0.371	0.045
100	B31_Unbiased	0.416	0.344	0.052
100	B32_Unbiased	0.391	0.383	0.008
100	B33_Unbiased	0.392	0.428	-0.036
100	B34_Unbiased	0.405	0.400	0.005
100	B35_Unbiased	0.423	0.437	-0.014
100	C32_Unbiased	0.399	0.385	0.014
100	C33_Unbiased	0.374	0.361	0.013
100	C34_Unbiased	0.422	0.432	-0.010
100	C35_Unbiased	0.425	0.376	0.049
100	C36_Unbiased	0.431	0.462	-0.031
100	C37_Unbiased	0.414	0.441	-0.027
100	C38_Unbiased	0.389	0.373	0.016
	Max	0.661	0.639	0.309
	Average	0.432	0.412	0.021
	Min	0.362	0.345	-0.162
	Std Dev	0.074	0.059	0.062

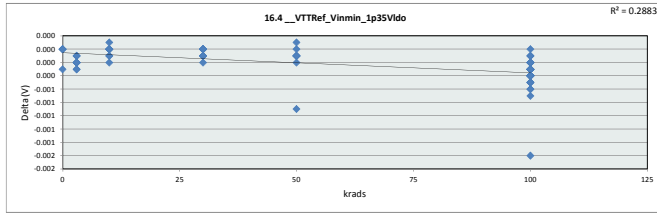


16.3_VTTRef_LineReq_1p2VIdc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV/V				
Min Limit	-15	mV/V				
krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.375	0.352	0.357	0.345	0.348	0.352
Average	0.394	0.452	0.420	0.409	0.413	0.403
Max	0.414	0.584	0.639	0.580	0.543	0.572
UL	15.000	15.000	15.000	15.000	15.000	15.000

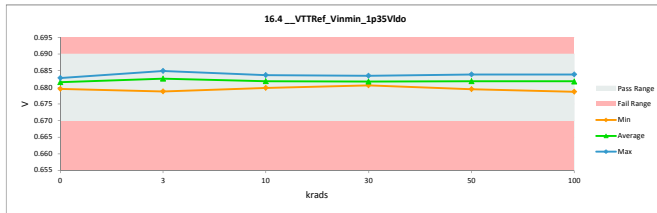


TID 100krad LDR Report
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16.4_VTTRef_Vinmin_1p35VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.69	0.69		
Min Limit	0.67	0.67		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.683	0.683	0.000
3	A79_Biased	0.685	0.685	0.000
3	A80_Biased	0.683	0.683	0.000
3	B1_Biased	0.683	0.683	0.000
3	B2_Biased	0.679	0.679	0.000
3	C1_Biased	0.682	0.682	0.000
3	A82_Unbiased	0.683	0.683	0.000
3	A83_Unbiased	0.684	0.684	0.000
3	B4_Unbiased	0.682	0.682	0.000
3	B5_Unbiased	0.682	0.682	0.000
3	C2_Unbiased	0.683	0.683	0.000
10	A85_Biased	0.680	0.680	0.000
10	A86_Biased	0.682	0.682	0.000
10	B6_Biased	0.683	0.683	0.000
10	C3_Biased	0.682	0.682	0.000
10	C4_Biased	0.683	0.683	0.000
10	A87_Unbiased	0.680	0.680	0.000
10	A88_Unbiased	0.684	0.684	0.000
10	B7_Unbiased	0.681	0.681	0.000
10	C5_Unbiased	0.683	0.683	0.000
10	C6_Unbiased	0.680	0.680	0.000
0	106_Corr	0.682	0.682	0.000
30	A89_Biased	0.681	0.681	0.000
30	B8_Biased	0.683	0.683	0.000
30	B9_Biased	0.681	0.681	0.000
30	C7_Biased	0.681	0.681	0.000
30	C9_Biased	0.681	0.681	0.000
30	A90_Unbiased	0.683	0.683	0.000
30	B10_Unbiased	0.681	0.681	0.000
30	B11_Unbiased	0.682	0.682	0.000
30	C11_Unbiased	0.682	0.682	0.000
30	C12_Unbiased	0.682	0.682	0.000
0	106_Corr	0.682	0.682	0.000
0	15B_Corr	0.679	0.679	0.000
50	A92_Biased	0.683	0.683	0.000
50	A93_Biased	0.683	0.683	0.000
50	B12_Biased	0.680	0.681	0.000
50	B13_Biased	0.681	0.681	0.000
50	C14_Biased	0.682	0.682	0.000
50	A95_Unbiased	0.679	0.679	0.000
50	A96_Unbiased	0.682	0.682	0.000
50	B15_Unbiased	0.683	0.683	0.000
50	B16_Unbiased	0.681	0.681	0.000
50	C15_Unbiased	0.683	0.684	-0.001
0	106_Corr	0.682	0.682	0.000
100	A97_Biased	0.681	0.681	0.000
100	A99_Biased	0.682	0.683	0.000
100	A100_Biased	0.679	0.679	-0.001
100	A101_Biased	0.682	0.683	0.000
100	A102_Biased	0.683	0.683	-0.001
100	A104_Biased	0.682	0.682	0.000
100	A105_Biased	0.680	0.680	0.000
100	B17_Biased	0.682	0.682	0.000
100	B18_Biased	0.678	0.679	0.000
100	B19_Biased	0.680	0.680	0.000
100	B20_Biased	0.682	0.683	0.000
100	B21_Biased	0.683	0.683	0.000
100	B24_Biased	0.680	0.680	0.000
100	B25_Biased	0.681	0.681	0.000
100	B26_Biased	0.678	0.679	0.000
100	C16_Biased	0.683	0.683	0.000
100	C17_Biased	0.682	0.682	0.000
100	C18_Biased	0.683	0.683	-0.001
100	C19_Biased	0.681	0.682	0.000
100	C25_Biased	0.681	0.682	-0.001
100	C26_Biased	0.682	0.683	-0.001
100	C31_Biased	0.684	0.684	0.000
100	A107_Unbiased	0.682	0.682	0.000
100	A108_Unbiased	0.682	0.683	-0.001
100	A109_Unbiased	0.683	0.683	0.000
100	A110_Unbiased	0.683	0.683	0.000
100	A111_Unbiased	0.682	0.682	0.000
100	A112_Unbiased	0.683	0.683	0.000
100	A113_Unbiased	0.683	0.683	0.000
100	B27_Unbiased	0.680	0.681	-0.002
100	B29_Unbiased	0.682	0.682	0.000
100	B30_Unbiased	0.681	0.681	0.000
100	B31_Unbiased	0.682	0.682	0.000
100	B32_Unbiased	0.682	0.682	0.000
100	B33_Unbiased	0.680	0.680	0.000
100	B34_Unbiased	0.681	0.681	0.000
100	B35_Unbiased	0.680	0.680	0.000
100	C32_Unbiased	0.680	0.681	0.000
100	C33_Unbiased	0.682	0.682	-0.001
100	C34_Unbiased	0.681	0.682	0.000
100	C35_Unbiased	0.680	0.681	0.000
100	C36_Unbiased	0.683	0.683	0.000
100	C37_Unbiased	0.680	0.680	0.000
100	C38_Unbiased	0.682	0.682	0.000
	Max	0.685	0.685	0.000
	Average	0.682	0.682	0.000
	Min	0.678	0.679	-0.002
	Std Dev	0.001	0.001	0.000

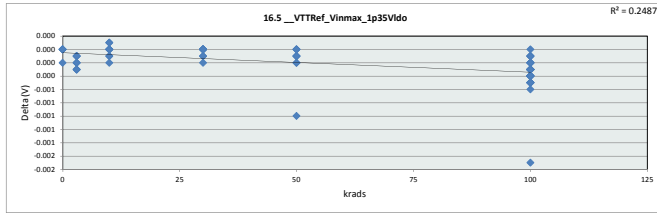


16.4_VTTRef_Vinmin_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.69	V				
Min Limit	0.67	V				
Krads	0	3	10	30	50	100
LL	0.670	0.670	0.670	0.670	0.670	0.670
Min	0.680	0.679	0.680	0.681	0.679	0.679
Average	0.682	0.683	0.682	0.682	0.682	0.682
Max	0.683	0.685	0.684	0.684	0.684	0.684
UL	0.690	0.690	0.690	0.690	0.690	0.690

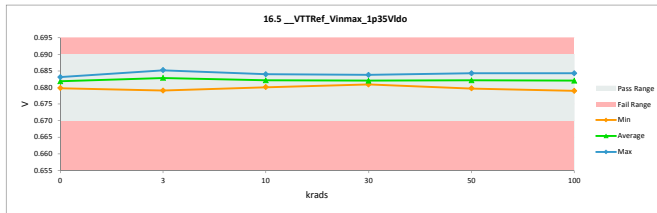


TID 100krad LDR Report
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16.5_VTTRef_Vinmax_1p35Vld				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.69	0.69		
Min Limit	0.67	0.67		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.683	0.683	0.000
3	A79_Biased	0.685	0.685	0.000
3	A80_Biased	0.683	0.684	0.000
3	B1_Biased	0.683	0.683	0.000
3	B2_Biased	0.679	0.679	0.000
3	C1_Biased	0.682	0.682	0.000
3	A82_Unbiased	0.683	0.683	0.000
3	A83_Unbiased	0.684	0.684	0.000
3	B4_Unbiased	0.682	0.682	0.000
3	B5_Unbiased	0.682	0.682	0.000
3	C2_Unbiased	0.683	0.683	0.000
10	A85_Biased	0.680	0.680	0.000
10	A86_Biased	0.682	0.682	0.000
10	B6_Biased	0.684	0.684	0.000
10	C3_Biased	0.682	0.682	0.000
10	C4_Biased	0.683	0.683	0.000
10	A87_Unbiased	0.681	0.680	0.000
10	A88_Unbiased	0.684	0.684	0.000
10	B7_Unbiased	0.682	0.682	0.000
10	C5_Unbiased	0.683	0.683	0.000
10	C6_Unbiased	0.680	0.680	0.000
0	106_Corr	0.682	0.682	0.000
30	A89_Biased	0.681	0.681	0.000
30	B8_Biased	0.684	0.684	0.000
30	B9_Biased	0.681	0.681	0.000
30	C7_Biased	0.682	0.682	0.000
30	C9_Biased	0.681	0.681	0.000
30	A90_Unbiased	0.683	0.683	0.000
30	B10_Unbiased	0.681	0.681	0.000
30	B11_Unbiased	0.683	0.683	0.000
30	C11_Unbiased	0.682	0.682	0.000
30	C12_Unbiased	0.682	0.682	0.000
0	106_Corr	0.682	0.682	0.000
0	15B_Corr	0.680	0.680	0.000
50	A92_Biased	0.683	0.683	0.000
50	A93_Biased	0.683	0.683	0.000
50	B12_Biased	0.681	0.681	0.000
50	B13_Biased	0.681	0.681	0.000
50	C14_Biased	0.682	0.682	0.000
50	A95_Unbiased	0.680	0.680	0.000
50	A96_Unbiased	0.682	0.682	0.000
50	B15_Unbiased	0.684	0.684	0.000
50	B16_Unbiased	0.681	0.681	0.000
50	C15_Unbiased	0.683	0.684	-0.001
0	106_Corr	0.682	0.682	0.000
100	A97_Biased	0.682	0.682	0.000
100	A99_Biased	0.683	0.683	0.000
100	A100_Biased	0.679	0.679	0.000
100	A101_Biased	0.683	0.683	0.000
100	A102_Biased	0.683	0.684	-0.001
100	A104_Biased	0.682	0.683	0.000
100	A105_Biased	0.680	0.681	0.000
100	B17_Biased	0.682	0.683	0.000
100	B18_Biased	0.679	0.679	0.000
100	B19_Biased	0.680	0.680	0.000
100	B20_Biased	0.683	0.683	0.000
100	B21_Biased	0.683	0.683	0.000
100	B24_Biased	0.680	0.680	0.000
100	B25_Biased	0.681	0.681	0.000
100	B26_Biased	0.679	0.679	0.000
100	C16_Biased	0.683	0.684	0.000
100	C17_Biased	0.682	0.683	0.000
100	C18_Biased	0.683	0.684	-0.001
100	C19_Biased	0.682	0.682	0.000
100	C25_Biased	0.682	0.682	-0.001
100	C26_Biased	0.683	0.683	-0.001
100	C31_Biased	0.684	0.684	0.000
100	A107_Unbiased	0.682	0.682	0.000
100	A108_Unbiased	0.682	0.683	-0.001
100	A109_Unbiased	0.683	0.683	0.000
100	A110_Unbiased	0.683	0.683	0.000
100	A111_Unbiased	0.682	0.683	0.000
100	A112_Unbiased	0.683	0.684	0.000
100	A113_Unbiased	0.683	0.683	0.000
100	B27_Unbiased	0.680	0.682	-0.002
100	B29_Unbiased	0.682	0.683	0.000
100	B30_Unbiased	0.681	0.682	0.000
100	B31_Unbiased	0.682	0.683	-0.001
100	B32_Unbiased	0.682	0.682	0.000
100	B33_Unbiased	0.680	0.681	0.000
100	B34_Unbiased	0.681	0.681	0.000
100	B35_Unbiased	0.680	0.680	0.000
100	C32_Unbiased	0.681	0.681	0.000
100	C33_Unbiased	0.682	0.683	-0.001
100	C34_Unbiased	0.682	0.682	0.000
100	C35_Unbiased	0.681	0.681	0.000
100	C36_Unbiased	0.683	0.683	0.000
100	C37_Unbiased	0.680	0.681	0.000
100	C38_Unbiased	0.682	0.683	-0.001
	Max	0.685	0.685	0.000
	Average	0.682	0.682	0.000
	Min	0.679	0.679	-0.002
	Std Dev	0.001	0.001	0.000

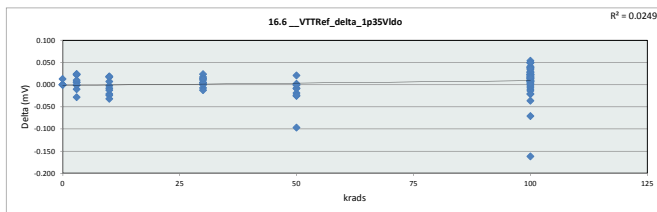


16.5_VTTRef_Vinmax_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.69	V				
Min Limit	0.67	V				
Krads	0	3	10	30	50	100
LL	0.670	0.670	0.670	0.670	0.670	0.670
Min	0.680	0.679	0.680	0.681	0.680	0.679
Average	0.682	0.683	0.682	0.682	0.682	0.682
Max	0.683	0.685	0.684	0.684	0.684	0.684
UL	0.690	0.690	0.690	0.690	0.690	0.690

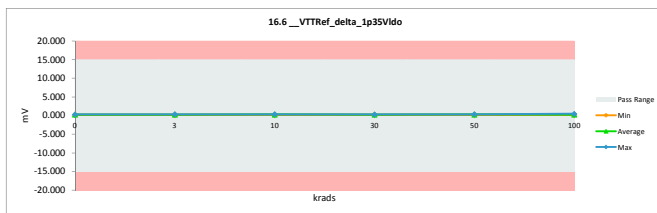


TID 100krad LDR Report
TPS7H3301-SP

16.6_VTTRef_delta_1p35Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.289	0.289	0.000
3	A79_Biased	0.257	0.285	-0.028
3	A80_Biased	0.286	0.287	-0.001
3	B1_Biased	0.302	0.280	0.022
3	B2_Biased	0.331	0.325	0.006
3	C1_Biased	0.302	0.278	0.024
3	A82_Unbiased	0.273	0.268	0.005
3	A83_Unbiased	0.331	0.341	-0.010
3	B4_Unbiased	0.297	0.287	0.010
3	B5_Unbiased	0.295	0.296	-0.001
3	C2_Unbiased	0.298	0.274	0.024
10	A85_Biased	0.308	0.329	-0.021
10	A86_Biased	0.289	0.309	-0.024
10	B6_Biased	0.294	0.296	-0.002
10	C3_Biased	0.283	0.315	-0.032
10	C4_Biased	0.273	0.281	-0.008
10	A87_Unbiased	0.314	0.297	0.017
10	A88_Unbiased	0.320	0.313	0.007
10	B7_Unbiased	0.320	0.301	0.019
10	C5_Unbiased	0.295	0.277	0.018
10	C6_Unbiased	0.312	0.324	-0.012
0	106_Corr	0.299	0.299	0.000
30	A89_Biased	0.309	0.308	0.001
30	B8_Biased	0.291	0.298	-0.007
30	B9_Biased	0.308	0.297	0.011
30	C7_Biased	0.308	0.291	0.017
30	C9_Biased	0.313	0.309	0.004
30	A90_Unbiased	0.294	0.294	0.000
30	B10_Unbiased	0.284	0.260	0.024
30	B11_Unbiased	0.302	0.297	0.005
30	C11_Unbiased	0.291	0.303	-0.012
30	C12_Unbiased	0.295	0.281	0.014
0	106_Corr	0.299	0.299	0.000
0	15B_Corr	0.307	0.307	0.000
50	A92_Biased	0.289	0.298	-0.009
50	A93_Biased	0.263	0.282	-0.019
50	B12_Biased	0.300	0.308	-0.008
50	B13_Biased	0.316	0.341	-0.025
50	C14_Biased	0.290	0.314	-0.024
50	A95_Unbiased	0.293	0.291	0.002
50	A96_Unbiased	0.289	0.290	-0.001
50	B15_Unbiased	0.289	0.289	0.000
50	B16_Unbiased	0.306	0.285	0.021
50	C15_Unbiased	0.279	0.376	-0.097
0	106_Corr	0.281	0.281	0.000
100	A97_Biased	0.333	0.319	0.014
100	A99_Biased	0.305	0.267	0.038
100	A100_Biased	0.303	0.280	0.023
100	A101_Biased	0.321	0.272	0.049
100	A102_Biased	0.302	0.252	0.050
100	A104_Biased	0.301	0.285	0.016
100	A105_Biased	0.327	0.289	0.038
100	B17_Biased	0.299	0.272	0.027
100	B18_Biased	0.351	0.372	-0.021
100	B19_Biased	0.308	0.301	0.007
100	B20_Biased	0.305	0.290	0.015
100	B21_Biased	0.315	0.281	0.034
100	B24_Biased	0.329	0.306	0.023
100	B25_Biased	0.324	0.320	0.004
100	B26_Biased	0.365	0.344	0.021
100	C16_Biased	0.283	0.260	0.023
100	C17_Biased	0.297	0.268	0.029
100	C18_Biased	0.295	0.241	0.054
100	C19_Biased	0.348	0.307	0.041
100	C25_Biased	0.301	0.279	0.022
100	C26_Biased	0.289	0.279	0.010
100	C31_Biased	0.321	0.392	-0.071
100	A107_Unbiased	0.304	0.275	0.029
100	A108_Unbiased	0.278	0.284	-0.006
100	A109_Unbiased	0.292	0.265	0.027
100	A110_Unbiased	0.273	0.263	0.010
100	A111_Unbiased	0.285	0.271	0.014
100	A112_Unbiased	0.284	0.244	0.040
100	A113_Unbiased	0.288	0.278	0.010
100	B27_Unbiased	0.322	0.484	-0.162
100	B29_Unbiased	0.292	0.291	0.001
100	B30_Unbiased	0.329	0.339	-0.010
100	B31_Unbiased	0.293	0.274	0.019
100	B32_Unbiased	0.281	0.274	0.007
100	B33_Unbiased	0.325	0.275	0.050
100	B34_Unbiased	0.279	0.315	-0.036
100	B35_Unbiased	0.304	0.297	0.007
100	C32_Unbiased	0.280	0.294	-0.014
100	C33_Unbiased	0.266	0.287	-0.021
100	C34_Unbiased	0.311	0.275	0.036
100	C35_Unbiased	0.273	0.276	-0.003
100	C36_Unbiased	0.290	0.271	0.019
100	C37_Unbiased	0.295	0.279	0.016
100	C38_Unbiased	0.261	0.259	0.002
	Max	0.365	0.484	0.054
	Average	0.300	0.295	0.005
	Min	0.257	0.241	-0.162
	Std Dev	0.020	0.033	0.030

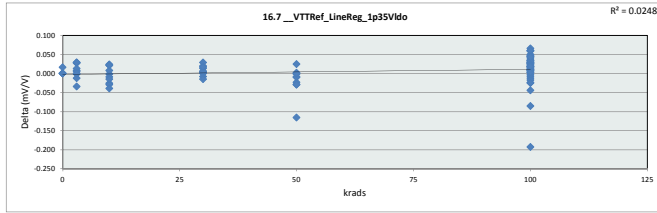


16.6_VTTRef_delta_1p35Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	LL	3	10	30	50	100
	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
	0.268	0.268	0.277	0.260	0.282	0.241
	0.289	0.292	0.304	0.294	0.307	0.292
	0.307	0.341	0.329	0.309	0.376	0.484
	15.000	15.000	15.000	15.000	15.000	15.000

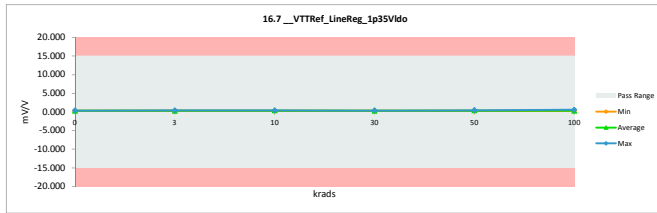


TID 100krad LDR Report
TPS7H3301-SP

16.7_VTTRef_LineReg_1p35VId				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	15	mV/V		
Max Limit	15			
Min Limit	-15			
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.346	0.346	0.000
3	A79_Biased	0.306	0.340	-0.034
3	A80_Biased	0.342	0.343	-0.001
3	B1_Biased	0.361	0.334	0.027
3	B2_Biased	0.398	0.391	0.007
3	C1_Biased	0.362	0.333	0.029
3	A82_Unbiased	0.326	0.320	0.006
3	A83_Unbiased	0.395	0.407	-0.012
3	B4_Unbiased	0.356	0.343	0.013
3	B5_Unbiased	0.354	0.354	0.000
3	C2_Unbiased	0.356	0.327	0.029
10	A85_Biased	0.369	0.395	-0.026
10	A86_Biased	0.341	0.370	-0.029
10	B6_Biased	0.352	0.353	-0.001
10	C3_Biased	0.338	0.377	-0.039
10	C4_Biased	0.327	0.336	-0.009
10	A87_Unbiased	0.377	0.356	0.021
10	A88_Unbiased	0.382	0.374	0.008
10	B7_Unbiased	0.384	0.360	0.024
10	C5_Unbiased	0.353	0.331	0.022
10	C6_Unbiased	0.374	0.389	-0.015
0	106_Corr	0.326	0.326	0.000
30	A89_Biased	0.371	0.370	0.001
30	B8_Biased	0.348	0.356	-0.008
30	B9_Biased	0.370	0.356	0.014
30	C7_Biased	0.369	0.349	0.020
30	C9_Biased	0.376	0.371	0.005
30	A90_Unbiased	0.351	0.351	0.000
30	B10_Unbiased	0.341	0.312	0.029
30	B11_Unbiased	0.361	0.355	0.006
30	C11_Unbiased	0.363	-0.015	0.378
30	C12_Unbiased	0.354	0.337	0.017
0	106_Corr	0.358	0.358	0.000
0	15B_Corr	0.369	0.369	0.000
50	A92_Biased	0.346	0.356	-0.010
50	A93_Biased	0.314	0.337	-0.023
50	B12_Biased	0.360	0.369	-0.009
50	B13_Biased	0.379	0.408	-0.029
50	C14_Biased	0.347	0.376	-0.029
50	A95_Unbiased	0.352	0.350	0.002
50	A96_Unbiased	0.346	0.347	-0.001
50	B15_Unbiased	0.346	0.346	0.000
50	B16_Unbiased	0.367	0.342	0.025
50	C15_Unbiased	0.333	0.449	-0.116
0	106_Corr	0.326	0.326	0.000
100	A97_Biased	0.399	0.383	0.016
100	A99_Biased	0.364	0.319	0.045
100	A100_Biased	0.365	0.337	0.028
100	A101_Biased	0.384	0.325	0.059
100	A102_Biased	0.361	0.301	0.060
100	A104_Biased	0.360	0.341	0.019
100	A105_Biased	0.392	0.346	0.046
100	B17_Biased	0.358	0.325	0.033
100	B18_Biased	0.423	0.447	-0.024
100	B19_Biased	0.370	0.361	0.009
100	B20_Biased	0.365	0.347	0.018
100	B21_Biased	0.377	0.336	0.041
100	B24_Biased	0.395	0.368	0.027
100	B25_Biased	0.389	0.384	0.005
100	B26_Biased	0.440	0.413	0.027
100	C16_Biased	0.338	0.310	0.028
100	C17_Biased	0.356	0.320	0.036
100	C18_Biased	0.353	0.387	-0.034
100	C19_Biased	0.417	0.367	0.050
100	C25_Biased	0.361	0.334	0.027
100	C26_Biased	0.345	0.333	0.012
100	C31_Biased	0.383	0.468	-0.085
100	A107_Unbiased	0.364	0.330	0.034
100	A108_Unbiased	0.333	0.340	-0.007
100	A109_Unbiased	0.349	0.317	0.032
100	A110_Unbiased	0.326	0.315	0.011
100	A111_Unbiased	0.341	0.324	0.017
100	A112_Unbiased	0.339	0.292	0.047
100	A113_Unbiased	0.344	0.333	0.011
100	B27_Unbiased	0.387	0.580	-0.193
100	B29_Unbiased	0.350	0.348	0.002
100	B30_Unbiased	0.406	0.406	0.000
100	B31_Unbiased	0.351	0.328	0.023
100	B32_Unbiased	0.337	0.328	0.009
100	B33_Unbiased	0.390	0.330	0.060
100	B34_Unbiased	0.334	0.378	-0.044
100	B35_Unbiased	0.364	0.356	0.008
100	C32_Unbiased	0.336	0.353	-0.017
100	C33_Unbiased	0.318	0.343	-0.025
100	C34_Unbiased	0.372	0.329	0.043
100	C35_Unbiased	0.328	0.331	-0.003
100	C36_Unbiased	0.346	0.324	0.022
100	C37_Unbiased	0.354	0.335	0.019
100	C38_Unbiased	0.313	0.310	0.003
	Max	0.440	0.580	0.066
	Average	0.359	0.353	0.006
	Min	0.306	0.287	-0.193
	Std Dev	0.024	0.040	0.036

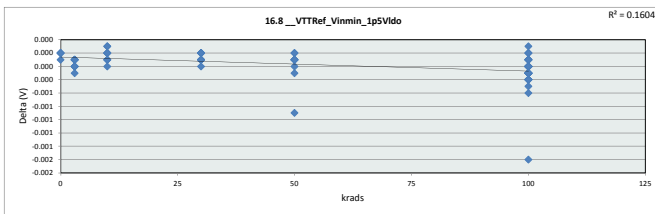


16.7_VTTRef_LineReg_1p35VId						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV/V				
Min Limit	-15	mV/V				
krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.320	0.320	0.331	0.312	0.337	0.287
Average	0.346	0.349	0.364	0.352	0.368	0.350
Max	0.369	0.407	0.395	0.371	0.449	0.580
UL	15.000	15.000	15.000	15.000	15.000	15.000

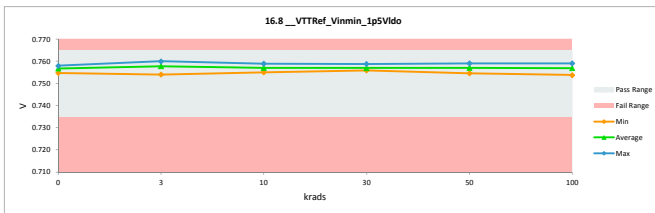


TID 100krad LDR Report
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16.8_VTTRef_Vinmin_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.735	0.735		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.758	0.758	0.000
3	A79_Biased	0.760	0.760	0.000
3	A80_Biased	0.758	0.758	0.000
3	B1_Biased	0.758	0.758	0.000
3	B2_Biased	0.754	0.754	0.000
3	C1_Biased	0.757	0.757	0.000
3	A82_Unbiased	0.758	0.758	0.000
3	A83_Unbiased	0.759	0.759	0.000
3	B4_Unbiased	0.757	0.757	0.000
3	B5_Unbiased	0.757	0.757	0.000
3	C2_Unbiased	0.758	0.758	0.000
10	A85_Biased	0.755	0.755	0.000
10	A86_Biased	0.757	0.757	0.000
10	B6_Biased	0.759	0.759	0.000
10	C3_Biased	0.757	0.757	0.000
10	C4_Biased	0.758	0.758	0.000
10	A87_Unbiased	0.756	0.756	0.000
10	A88_Unbiased	0.759	0.759	0.000
10	B7_Unbiased	0.757	0.757	0.000
10	C5_Unbiased	0.758	0.758	0.000
10	C6_Unbiased	0.755	0.755	0.000
0	106_Corr	0.757	0.757	0.000
30	A89_Biased	0.756	0.756	0.000
30	B8_Biased	0.759	0.759	0.000
30	B9_Biased	0.756	0.756	0.000
30	C7_Biased	0.757	0.757	0.000
30	C9_Biased	0.756	0.756	0.000
30	A90_Unbiased	0.758	0.758	0.000
30	B10_Unbiased	0.756	0.756	0.000
30	B11_Unbiased	0.758	0.758	0.000
30	C11_Unbiased	0.757	0.757	0.000
30	C12_Unbiased	0.757	0.757	0.000
0	106_Corr	0.757	0.757	0.000
0	158_Corr	0.755	0.755	0.000
50	A92_Biased	0.758	0.758	0.000
50	A93_Biased	0.758	0.758	0.000
50	B12_Biased	0.756	0.756	0.000
50	B13_Biased	0.756	0.756	0.000
50	C14_Biased	0.757	0.757	0.000
50	A95_Unbiased	0.754	0.754	0.000
50	A96_Unbiased	0.757	0.757	0.000
50	B15_Unbiased	0.759	0.759	0.000
50	B16_Unbiased	0.756	0.756	0.000
50	C15_Unbiased	0.758	0.759	-0.001
0	106_Corr	0.757	0.757	0.000
100	A97_Biased	0.756	0.757	0.000
100	A99_Biased	0.757	0.758	0.000
100	A100_Biased	0.754	0.754	0.000
100	A101_Biased	0.758	0.758	0.000
100	A102_Biased	0.758	0.759	-0.001
100	A104_Biased	0.757	0.757	0.000
100	A105_Biased	0.755	0.756	0.000
100	B17_Biased	0.757	0.758	0.000
100	B18_Biased	0.754	0.754	0.000
100	B19_Biased	0.755	0.755	0.000
100	B20_Biased	0.757	0.758	0.000
100	B21_Biased	0.758	0.758	0.000
100	B24_Biased	0.755	0.755	0.000
100	B25_Biased	0.756	0.756	0.000
100	B26_Biased	0.754	0.754	0.000
100	C16_Biased	0.758	0.759	0.000
100	C17_Biased	0.757	0.757	0.000
100	C18_Biased	0.758	0.759	-0.001
100	C19_Biased	0.757	0.757	0.000
100	C25_Biased	0.757	0.757	0.000
100	C26_Biased	0.758	0.758	0.000
100	C31_Biased	0.759	0.759	0.000
100	A107_Unbiased	0.757	0.757	0.000
100	A108_Unbiased	0.757	0.758	0.000
100	A109_Unbiased	0.758	0.758	0.000
100	A110_Unbiased	0.758	0.758	0.000
100	A111_Unbiased	0.757	0.757	0.000
100	A112_Unbiased	0.758	0.759	0.000
100	A113_Unbiased	0.758	0.758	0.000
100	B27_Unbiased	0.755	0.757	-0.002
100	B29_Unbiased	0.757	0.757	0.000
100	B30_Unbiased	0.756	0.757	0.000
100	B31_Unbiased	0.757	0.757	0.000
100	B32_Unbiased	0.757	0.757	0.000
100	B33_Unbiased	0.755	0.756	0.000
100	B34_Unbiased	0.756	0.756	0.000
100	B35_Unbiased	0.755	0.755	0.000
100	C32_Unbiased	0.756	0.756	0.000
100	C33_Unbiased	0.757	0.757	0.000
100	C34_Unbiased	0.757	0.757	0.000
100	C35_Unbiased	0.756	0.756	0.000
100	C36_Unbiased	0.758	0.758	0.000
100	C37_Unbiased	0.755	0.756	0.000
100	C38_Unbiased	0.757	0.757	0.000
	Max	0.760	0.760	0.000
	Average	0.757	0.757	0.000
	Min	0.754	0.754	-0.002
	Std Dev	0.001	0.001	0.000

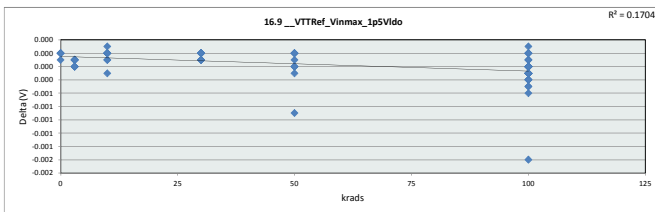


16.8_VTTRef_Vinmin_1p5Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.735	V				
Krads	0	3	10	30	50	100
LL	0.735	0.735	0.735	0.735	0.735	0.735
Min	0.755	0.754	0.755	0.756	0.755	0.754
Average	0.757	0.758	0.757	0.757	0.757	0.757
Max	0.758	0.760	0.759	0.759	0.759	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765

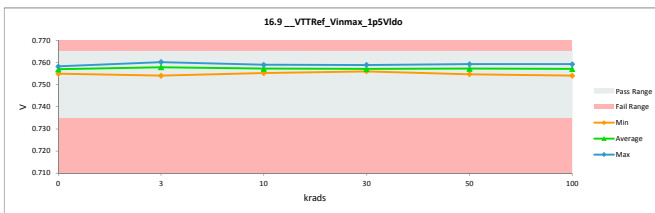


TID 100krad LDR Report
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16.9_VTTRef_Vinmax_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.735	0.735		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.758	0.758	0.000
3	A79_Biased	0.760	0.760	0.000
3	A80_Biased	0.758	0.759	0.000
3	B1_Biased	0.758	0.758	0.000
3	B2_Biased	0.754	0.754	0.000
3	C1_Biased	0.757	0.757	0.000
3	A82_Unbiased	0.758	0.758	0.000
3	A83_Unbiased	0.759	0.759	0.000
3	B4_Unbiased	0.757	0.757	0.000
3	B5_Unbiased	0.757	0.757	0.000
3	C2_Unbiased	0.758	0.758	0.000
10	A85_Biased	0.755	0.755	0.000
10	A86_Biased	0.757	0.757	0.000
10	B6_Biased	0.759	0.759	0.000
10	C3_Biased	0.757	0.757	0.000
10	C4_Biased	0.758	0.759	0.000
10	A87_Unbiased	0.756	0.756	0.000
10	A88_Unbiased	0.759	0.759	0.000
10	B7_Unbiased	0.757	0.757	0.000
10	C5_Unbiased	0.758	0.758	0.000
10	C6_Unbiased	0.755	0.755	0.000
0	106_Corr	0.757	0.757	0.000
30	A89_Biased	0.756	0.757	0.000
30	B8_Biased	0.759	0.759	0.000
30	B9_Biased	0.756	0.756	0.000
30	C7_Biased	0.757	0.757	0.000
30	C9_Biased	0.757	0.757	0.000
30	A90_Unbiased	0.758	0.758	0.000
30	B10_Unbiased	0.756	0.756	0.000
30	B11_Unbiased	0.758	0.758	0.000
30	C11_Unbiased	0.757	0.757	0.000
30	C12_Unbiased	0.757	0.757	0.000
0	106_Corr	0.757	0.757	0.000
0	15B_Corr	0.755	0.755	0.000
50	A92_Biased	0.758	0.758	0.000
50	A93_Biased	0.758	0.758	0.000
50	B12_Biased	0.756	0.756	0.000
50	B13_Biased	0.756	0.756	0.000
50	C14_Biased	0.757	0.757	0.000
50	A95_Unbiased	0.755	0.755	0.000
50	A96_Unbiased	0.757	0.757	0.000
50	B15_Unbiased	0.759	0.759	0.000
50	B16_Unbiased	0.756	0.756	0.000
50	C15_Unbiased	0.758	0.759	-0.001
0	106_Corr	0.757	0.757	0.000
100	A97_Biased	0.757	0.757	0.000
100	A99_Biased	0.758	0.758	0.000
100	A100_Biased	0.754	0.754	0.000
100	A101_Biased	0.758	0.758	0.000
100	A102_Biased	0.758	0.759	-0.001
100	A104_Biased	0.757	0.757	0.000
100	A105_Biased	0.756	0.756	0.000
100	B17_Biased	0.757	0.758	0.000
100	B18_Biased	0.754	0.754	0.000
100	B19_Biased	0.755	0.755	0.000
100	B20_Biased	0.758	0.758	0.000
100	B21_Biased	0.758	0.758	0.000
100	B24_Biased	0.755	0.755	0.000
100	B25_Biased	0.756	0.756	0.000
100	B26_Biased	0.754	0.754	0.000
100	C16_Biased	0.758	0.759	0.000
100	C17_Biased	0.757	0.757	0.000
100	C18_Biased	0.758	0.759	-0.001
100	C19_Biased	0.757	0.757	0.000
100	C25_Biased	0.757	0.757	-0.001
100	C26_Biased	0.758	0.758	0.000
100	C31_Biased	0.759	0.759	0.000
100	A107_Unbiased	0.757	0.757	0.000
100	A108_Unbiased	0.757	0.758	0.000
100	A109_Unbiased	0.758	0.759	0.000
100	A110_Unbiased	0.758	0.758	0.000
100	A111_Unbiased	0.757	0.757	0.000
100	A112_Unbiased	0.759	0.759	0.000
100	A113_Unbiased	0.758	0.758	0.000
100	B27_Unbiased	0.755	0.757	-0.002
100	B29_Unbiased	0.757	0.758	0.000
100	B30_Unbiased	0.756	0.757	0.000
100	B31_Unbiased	0.757	0.757	0.000
100	B32_Unbiased	0.757	0.757	0.000
100	B33_Unbiased	0.756	0.756	0.000
100	B34_Unbiased	0.756	0.756	0.000
100	B35_Unbiased	0.756	0.755	0.000
100	C32_Unbiased	0.756	0.756	0.000
100	C33_Unbiased	0.757	0.757	0.000
100	C34_Unbiased	0.757	0.757	0.000
100	C35_Unbiased	0.756	0.756	0.000
100	C36_Unbiased	0.758	0.758	0.000
100	C37_Unbiased	0.755	0.756	0.000
100	C38_Unbiased	0.757	0.757	0.000
	Max	0.760	0.760	0.000
	Average	0.757	0.757	0.000
	Min	0.754	0.754	-0.002
	Std Dev	0.001	0.001	0.000



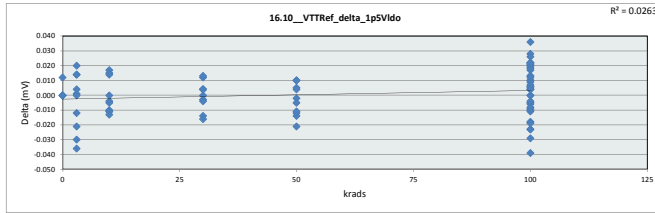
16.9_VTTRef_Vinmax_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.735	V				
Krads	0	3	10	30	50	100
LL	0.735	0.735	0.735	0.735	0.735	0.735
Min	0.755	0.754	0.755	0.756	0.755	0.754
Average	0.757	0.758	0.757	0.757	0.757	0.757
Max	0.758	0.760	0.759	0.759	0.759	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765



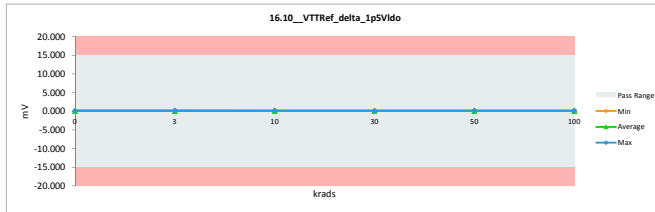
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16.10_VTTRef_delta_1p5VIdo			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	15	15	
Min Limit	-15	-15	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.125	0.125	0.000
3	A79_Biased	0.153	0.139	0.014
3	A80_Biased	0.123	0.153	-0.030
3	B1_Biased	0.143	0.123	0.020
3	B2_Biased	0.133	0.132	0.001
3	C1_Biased	0.113	0.134	-0.021
3	A82_Unbiased	0.132	0.128	0.004
3	A83_Unbiased	0.121	0.132	-0.012
3	B4_Unbiased	0.154	0.140	0.014
3	B5_Unbiased	0.110	0.146	-0.036
3	C2_Unbiased	0.126	0.126	0.000
10	A85_Biased	0.123	0.133	-0.010
10	A86_Biased	0.147	0.147	0.000
10	B6_Biased	0.140	0.123	0.017
10	C3_Biased	0.134	0.145	-0.011
10	C4_Biased	0.140	0.151	-0.011
10	A87_Unbiased	0.139	0.124	0.015
10	A88_Unbiased	0.126	0.112	0.014
10	B7_Unbiased	0.124	0.128	-0.004
10	C5_Unbiased	0.125	0.138	-0.013
10	C6_Unbiased	0.131	0.136	-0.005
0	106_Corr	0.142	0.142	0.000
30	A89_Biased	0.129	0.125	0.004
30	B8_Biased	0.134	0.130	0.004
30	B9_Biased	0.130	0.144	-0.014
30	C7_Biased	0.120	0.120	0.000
30	C9_Biased	0.140	0.128	0.012
30	A90_Unbiased	0.126	0.129	-0.003
30	B10_Unbiased	0.134	0.130	0.004
30	B11_Unbiased	0.134	0.138	-0.004
30	C11_Unbiased	0.120	0.136	-0.016
30	C12_Unbiased	0.119	0.106	0.013
0	106_Corr	0.141	0.141	0.000
0	15B_Corr	0.137	0.137	0.000
50	A92_Biased	0.112	0.126	-0.014
50	A93_Biased	0.122	0.117	0.005
50	B12_Biased	0.143	0.155	-0.012
50	B13_Biased	0.143	0.164	-0.021
50	C14_Biased	0.139	0.129	0.010
50	A95_Unbiased	0.154	0.151	-0.011
50	A96_Unbiased	0.144	0.140	0.004
50	B15_Unbiased	0.129	0.131	-0.002
50	B16_Unbiased	0.143	0.148	-0.005
50	C15_Unbiased	0.141	0.131	0.010
0	106_Corr	0.142	0.142	0.000
100	A97_Biased	0.143	0.124	0.019
100	A99_Biased	0.148	0.128	0.020
100	A100_Biased	0.118	0.124	-0.006
100	A101_Biased	0.136	0.136	0.000
100	A102_Biased	0.128	0.124	0.004
100	A104_Biased	0.132	0.171	-0.039
100	A105_Biased	0.129	0.129	0.000
100	B17_Biased	0.157	0.137	0.020
100	B18_Biased	0.142	0.125	0.017
100	B19_Biased	0.133	0.111	0.022
100	B20_Biased	0.133	0.123	0.010
100	B21_Biased	0.130	0.125	0.005
100	B24_Biased	0.134	0.128	0.006
100	B25_Biased	0.140	0.122	0.018
100	B26_Biased	0.136	0.126	0.010
100	C16_Biased	0.131	0.140	-0.009
100	C17_Biased	0.147	0.170	-0.023
100	C18_Biased	0.140	0.119	0.021
100	C19_Biased	0.122	0.140	-0.018
100	C25_Biased	0.138	0.132	0.006
100	C26_Biased	0.126	0.131	-0.005
100	C31_Biased	0.134	0.125	0.009
100	A107_Unbiased	0.137	0.124	0.013
100	A108_Unbiased	0.157	0.135	0.022
100	A109_Unbiased	0.154	0.126	0.028
100	A110_Unbiased	0.136	0.123	0.013
100	A111_Unbiased	0.144	0.154	-0.010
100	A112_Unbiased	0.154	0.142	0.012
100	A113_Unbiased	0.118	0.136	-0.018
100	B27_Unbiased	0.161	0.190	-0.029
100	B29_Unbiased	0.128	0.151	-0.023
100	B30_Unbiased	0.151	0.115	0.036
100	B31_Unbiased	0.147	0.166	-0.019
100	B32_Unbiased	0.150	0.129	0.021
100	B33_Unbiased	0.119	0.130	-0.011
100	B34_Unbiased	0.146	0.125	0.022
100	B35_Unbiased	0.134	0.130	0.004
100	C32_Unbiased	0.126	0.131	-0.005
100	C33_Unbiased	0.143	0.153	-0.010
100	C34_Unbiased	0.195	0.129	0.026
100	C35_Unbiased	0.136	0.129	0.007
100	C36_Unbiased	0.126	0.134	-0.008
100	C37_Unbiased	0.132	0.128	0.004
100	C38_Unbiased	0.138	0.142	-0.004
	Max	0.161	0.190	0.036
	Average	0.135	0.134	0.001
	Min	0.110	0.106	-0.039
	Std Dev	0.011	0.014	0.015

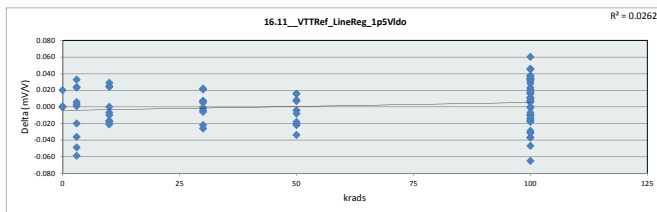


16.10_VTTRef_delta_1p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.125	0.123	0.112	0.106	0.117	0.111
Average	0.135	0.135	0.134	0.129	0.141	0.134
Max	0.142	0.153	0.151	0.144	0.165	0.190
UL	15.000	15.000	15.000	15.000	15.000	15.000

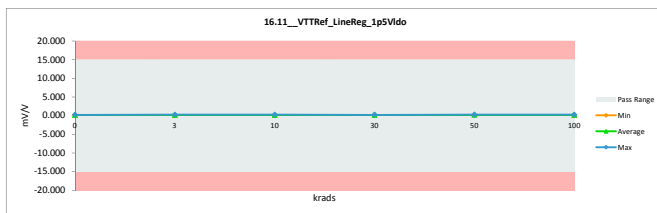


TID 100krad LDR Report
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16.11_VTTRef_LineReg_1p5VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.206	0.206	0.000
3	A79_Biased	0.252	0.229	0.023
3	A80_Biased	0.203	0.252	-0.049
3	B1_Biased	0.236	0.203	0.033
3	B2_Biased	0.221	0.218	0.003
3	C1_Biased	0.186	0.222	-0.036
3	A82_Unbiased	0.217	0.211	0.006
3	A83_Unbiased	0.199	0.219	-0.020
3	B4_Unbiased	0.255	0.231	0.024
3	B5_Unbiased	0.182	0.241	-0.059
3	C2_Unbiased	0.208	0.207	0.001
10	A85_Biased	0.204	0.221	-0.017
10	A86_Biased	0.243	0.243	0.000
10	B6_Biased	0.231	0.202	0.029
10	C3_Biased	0.222	0.239	-0.017
10	C4_Biased	0.230	0.248	-0.018
10	A87_Unbiased	0.230	0.205	0.025
10	A88_Unbiased	0.208	0.184	0.024
10	B7_Unbiased	0.205	0.212	-0.007
10	C5_Unbiased	0.207	0.228	-0.021
10	C6_Unbiased	0.216	0.226	-0.010
0	106_Corr	0.235	0.235	0.000
30	A89_Biased	0.213	0.206	0.007
30	B8_Biased	0.221	0.214	0.007
30	B9_Biased	0.215	0.237	-0.022
30	C7_Biased	0.198	0.199	-0.001
30	C9_Biased	0.232	0.211	0.021
30	A90_Unbiased	0.208	0.212	-0.004
30	B10_Unbiased	0.221	0.216	0.005
30	B11_Unbiased	0.221	0.227	-0.006
30	C11_Unbiased	0.199	0.225	-0.026
30	C12_Unbiased	0.197	0.175	0.022
0	106_Corr	0.233	0.233	0.000
0	15B_Corr	0.226	0.226	0.000
50	A92_Biased	0.185	0.207	-0.022
50	A93_Biased	0.201	0.193	0.008
50	B12_Biased	0.236	0.257	-0.021
50	B13_Biased	0.237	0.271	-0.034
50	C14_Biased	0.229	0.213	0.016
50	A95_Unbiased	0.253	0.273	-0.018
50	A96_Unbiased	0.238	0.231	0.007
50	B15_Unbiased	0.212	0.216	-0.004
50	B16_Unbiased	0.237	0.245	-0.008
50	C15_Unbiased	0.232	0.216	0.016
0	106_Corr	0.235	0.235	0.000
100	A97_Biased	0.237	0.204	0.033
100	A99_Biased	0.244	0.211	0.033
100	A100_Biased	0.196	0.206	-0.010
100	A101_Biased	0.224	0.224	0.000
100	A102_Biased	0.211	0.205	0.006
100	A104_Biased	0.218	0.283	-0.065
100	A105_Biased	0.213	0.214	-0.001
100	B17_Biased	0.259	0.225	0.034
100	B18_Biased	0.235	0.207	0.028
100	B19_Biased	0.221	0.183	0.038
100	B20_Biased	0.220	0.204	0.016
100	B21_Biased	0.214	0.206	0.008
100	B24_Biased	0.223	0.212	0.011
100	B25_Biased	0.232	0.201	0.031
100	B26_Biased	0.226	0.208	0.018
100	C16_Biased	0.216	0.230	-0.014
100	C17_Biased	0.243	0.280	-0.037
100	C18_Biased	0.231	0.197	0.034
100	C19_Biased	0.201	0.232	-0.031
100	C25_Biased	0.228	0.217	0.011
100	C26_Biased	0.207	0.217	-0.010
100	C31_Biased	0.221	0.205	0.016
100	A107_Unbiased	0.227	0.204	0.023
100	A108_Unbiased	0.259	0.223	0.036
100	A109_Unbiased	0.254	0.208	0.046
100	A110_Unbiased	0.224	0.203	0.021
100	A111_Unbiased	0.238	0.254	-0.016
100	A112_Unbiased	0.253	0.235	0.018
100	A113_Unbiased	0.195	0.224	-0.029
100	B27_Unbiased	0.267	0.314	-0.047
100	B29_Unbiased	0.212	0.249	-0.037
100	B30_Unbiased	0.250	0.190	0.060
100	B31_Unbiased	0.242	0.273	-0.031
100	B32_Unbiased	0.247	0.213	0.034
100	B33_Unbiased	0.198	0.215	-0.017
100	B34_Unbiased	0.243	0.206	0.037
100	B35_Unbiased	0.222	0.216	0.006
100	C32_Unbiased	0.208	0.217	-0.009
100	C33_Unbiased	0.235	0.253	-0.018
100	C34_Unbiased	0.257	0.212	0.045
100	C35_Unbiased	0.225	0.214	0.011
100	C36_Unbiased	0.208	0.221	-0.013
100	C37_Unbiased	0.219	0.212	0.007
100	C38_Unbiased	0.227	0.234	-0.007
	Max	0.267	0.314	0.060
	Average	0.224	0.222	0.002
	Min	0.182	0.175	-0.065
	Std Dev	0.019	0.023	0.025

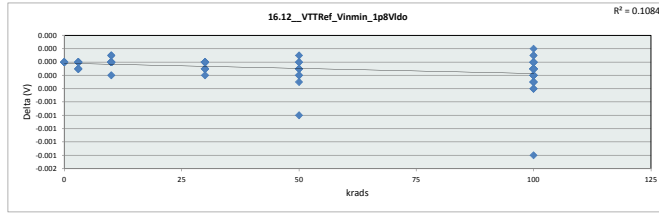


16.11_VTTRef_LineReg_1p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV/V				
Min Limit	-15	mV/V				
LL	0	3	10	30	50	100
Min	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Average	0.223	0.223	0.221	0.212	0.232	0.222
Max	0.235	0.252	0.248	0.237	0.273	0.314
UL	15.000	15.000	15.000	15.000	15.000	15.000

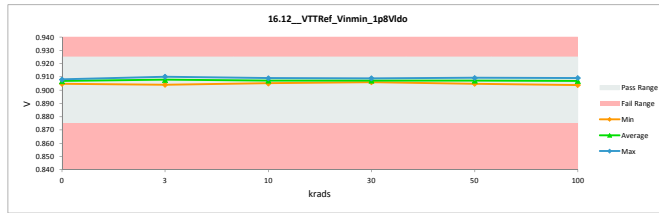


TID 100krad LDR Report
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16.12_VTTRef_Vinmin_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V			
Max Limit	0.925	0.925		
Min Limit	0.875	0.875		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.908	0.908	0.000
3	A79_Biased	0.910	0.910	0.000
3	A80_Biased	0.909	0.909	0.000
3	B1_Biased	0.908	0.908	0.000
3	B2_Biased	0.904	0.904	0.000
3	C1_Biased	0.907	0.907	0.000
3	A82_Unbiased	0.908	0.908	0.000
3	A83_Unbiased	0.909	0.909	0.000
3	B4_Unbiased	0.907	0.907	0.000
3	B5_Unbiased	0.907	0.907	0.000
3	C2_Unbiased	0.908	0.909	0.000
10	A85_Biased	0.905	0.905	0.000
10	A86_Biased	0.907	0.907	0.000
10	B6_Biased	0.909	0.909	0.000
10	C3_Biased	0.907	0.908	0.000
10	C4_Biased	0.909	0.909	0.000
10	A87_Unbiased	0.906	0.906	0.000
10	A88_Unbiased	0.909	0.909	0.000
10	B7_Unbiased	0.907	0.907	0.000
10	C5_Unbiased	0.908	0.908	0.000
10	C6_Unbiased	0.905	0.905	0.000
0	106_Corr	0.907	0.907	0.000
30	A89_Biased	0.906	0.907	0.000
30	B8_Biased	0.909	0.909	0.000
30	B9_Biased	0.906	0.906	0.000
30	C7_Biased	0.907	0.907	0.000
30	C9_Biased	0.906	0.906	0.000
30	A90_Unbiased	0.909	0.909	0.000
30	B10_Unbiased	0.906	0.906	0.000
30	B11_Unbiased	0.908	0.908	0.000
30	C11_Unbiased	0.907	0.907	0.000
30	C12_Unbiased	0.907	0.907	0.000
0	106_Corr	0.907	0.907	0.000
0	15B_Corr	0.905	0.905	0.000
50	A92_Biased	0.908	0.908	0.000
50	A93_Biased	0.908	0.908	0.000
50	B12_Biased	0.906	0.906	0.000
50	B13_Biased	0.906	0.906	0.000
50	C14_Biased	0.907	0.907	0.000
50	A95_Unbiased	0.905	0.905	0.000
50	A96_Unbiased	0.907	0.908	0.000
50	B15_Unbiased	0.909	0.909	0.000
50	B16_Unbiased	0.906	0.906	0.000
50	C15_Unbiased	0.909	0.909	-0.001
0	106_Corr	0.907	0.907	0.000
100	A97_Biased	0.907	0.907	0.000
100	A99_Biased	0.908	0.908	0.000
100	A100_Biased	0.904	0.905	0.000
100	A101_Biased	0.908	0.908	0.000
100	A102_Biased	0.908	0.909	0.000
100	A104_Biased	0.908	0.908	0.000
100	A105_Biased	0.905	0.906	0.000
100	B17_Biased	0.908	0.908	0.000
100	B18_Biased	0.904	0.904	0.000
100	B19_Biased	0.905	0.905	0.000
100	B20_Biased	0.908	0.908	0.000
100	B21_Biased	0.908	0.908	0.000
100	B24_Biased	0.905	0.905	0.000
100	B25_Biased	0.906	0.906	0.000
100	B26_Biased	0.904	0.904	0.000
100	C16_Biased	0.909	0.909	0.000
100	C17_Biased	0.907	0.908	0.000
100	C18_Biased	0.908	0.909	0.000
100	C19_Biased	0.907	0.907	0.000
100	C25_Biased	0.907	0.907	0.000
100	C26_Biased	0.908	0.908	0.000
100	C31_Biased	0.909	0.909	0.000
100	A107_Unbiased	0.907	0.907	0.000
100	A108_Unbiased	0.908	0.908	0.000
100	A109_Unbiased	0.909	0.909	0.000
100	A110_Unbiased	0.908	0.908	0.000
100	A111_Unbiased	0.908	0.908	0.000
100	A112_Unbiased	0.909	0.909	0.000
100	A113_Unbiased	0.908	0.908	0.000
100	B27_Unbiased	0.905	0.906	-0.001
100	B29_Unbiased	0.908	0.908	0.000
100	B30_Unbiased	0.906	0.907	0.000
100	B31_Unbiased	0.907	0.908	0.000
100	B32_Unbiased	0.907	0.907	0.000
100	B33_Unbiased	0.906	0.906	0.000
100	B34_Unbiased	0.906	0.906	0.000
100	B35_Unbiased	0.905	0.905	0.000
100	C32_Unbiased	0.906	0.906	0.000
100	C33_Unbiased	0.907	0.908	0.000
100	C34_Unbiased	0.907	0.907	0.000
100	C35_Unbiased	0.906	0.906	0.000
100	C36_Unbiased	0.908	0.908	0.000
100	C37_Unbiased	0.905	0.906	0.000
100	C38_Unbiased	0.907	0.908	0.000
	Max	0.910	0.910	0.000
	Average	0.907	0.907	0.000
	Min	0.904	0.904	-0.001
	Std Dev	0.001	0.001	0.000

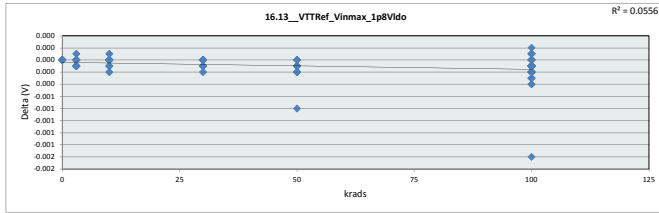


16.12_VTTRef_Vinmin_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.925	V				
Min Limit	0.875	V				
Krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.905	0.904	0.905	0.906	0.905	0.904
Average	0.907	0.908	0.907	0.907	0.907	0.907
Max	0.908	0.910	0.909	0.909	0.909	0.909
UL	0.925	0.925	0.925	0.925	0.925	0.925

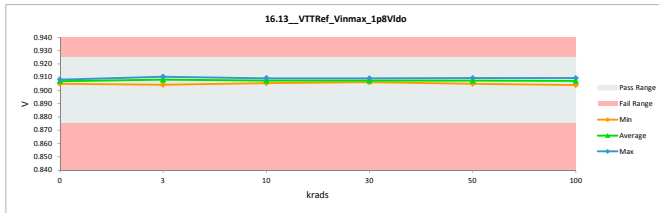


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16.13_VTTRef_Vinmax_1p8VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.925	0.925		
Min Limit	0.875	0.875		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.908	0.908	0.000
3	A79_Biased	0.910	0.910	0.000
3	A80_Biased	0.909	0.909	0.000
3	B1_Biased	0.908	0.908	0.000
3	B2_Biased	0.904	0.904	0.000
3	C1_Biased	0.907	0.907	0.000
3	A82_Unbiased	0.909	0.909	0.000
3	A83_Unbiased	0.909	0.909	0.000
3	B4_Unbiased	0.908	0.908	0.000
3	B5_Unbiased	0.907	0.907	0.000
3	C2_Unbiased	0.909	0.909	0.000
10	A85_Biased	0.905	0.905	0.000
10	A86_Biased	0.907	0.907	0.000
10	B6_Biased	0.909	0.909	0.000
10	C3_Biased	0.908	0.908	0.000
10	C4_Biased	0.909	0.909	0.000
10	A87_Unbiased	0.906	0.906	0.000
10	A88_Unbiased	0.909	0.909	0.000
10	B7_Unbiased	0.907	0.907	0.000
10	C5_Unbiased	0.908	0.908	0.000
10	C6_Unbiased	0.905	0.905	0.000
0	106_Corr	0.907	0.907	0.000
30	A89_Biased	0.907	0.907	0.000
30	B8_Biased	0.909	0.909	0.000
30	B9_Biased	0.906	0.906	0.000
30	C7_Biased	0.907	0.907	0.000
30	C9_Biased	0.907	0.907	0.000
30	A90_Unbiased	0.909	0.909	0.000
30	B10_Unbiased	0.906	0.906	0.000
30	B11_Unbiased	0.908	0.908	0.000
30	C11_Unbiased	0.907	0.907	0.000
30	C12_Unbiased	0.907	0.907	0.000
0	106_Corr	0.907	0.907	0.000
0	15B_Corr	0.905	0.905	0.000
50	A92_Biased	0.908	0.908	0.000
50	A93_Biased	0.908	0.908	0.000
50	B12_Biased	0.906	0.906	0.000
50	B13_Biased	0.906	0.906	0.000
50	C14_Biased	0.907	0.907	0.000
50	A95_Unbiased	0.905	0.905	0.000
50	A96_Unbiased	0.908	0.908	0.000
50	B15_Unbiased	0.909	0.909	0.000
50	B16_Unbiased	0.906	0.906	0.000
50	C15_Unbiased	0.909	0.909	-0.001
0	106_Corr	0.907	0.907	0.000
100	A97_Biased	0.907	0.907	0.000
100	A99_Biased	0.908	0.908	0.000
100	A100_Biased	0.904	0.905	0.000
100	A101_Biased	0.908	0.908	0.000
100	A102_Biased	0.909	0.909	0.000
100	A104_Biased	0.908	0.908	0.000
100	A105_Biased	0.906	0.906	0.000
100	B17_Biased	0.908	0.908	0.000
100	B18_Biased	0.904	0.904	0.000
100	B19_Biased	0.905	0.905	0.000
100	B20_Biased	0.908	0.908	0.000
100	B21_Biased	0.908	0.908	0.000
100	B24_Biased	0.905	0.905	0.000
100	B25_Biased	0.907	0.907	0.000
100	B26_Biased	0.904	0.904	0.000
100	C16_Biased	0.909	0.909	0.000
100	C17_Biased	0.908	0.908	0.000
100	C18_Biased	0.909	0.909	0.000
100	C19_Biased	0.907	0.907	0.000
100	C25_Biased	0.907	0.907	0.000
100	C26_Biased	0.908	0.908	0.000
100	C31_Biased	0.909	0.909	0.000
100	A107_Unbiased	0.907	0.907	0.000
100	A108_Unbiased	0.908	0.908	0.000
100	A109_Unbiased	0.909	0.909	0.000
100	A110_Unbiased	0.908	0.908	0.000
100	A111_Unbiased	0.908	0.908	0.000
100	A112_Unbiased	0.909	0.909	0.000
100	A113_Unbiased	0.909	0.909	0.000
100	B27_Unbiased	0.905	0.907	-0.002
100	B29_Unbiased	0.908	0.908	0.000
100	B30_Unbiased	0.907	0.907	0.000
100	B31_Unbiased	0.907	0.908	0.000
100	B32_Unbiased	0.908	0.908	0.000
100	B33_Unbiased	0.906	0.906	0.000
100	B34_Unbiased	0.906	0.906	0.000
100	B35_Unbiased	0.906	0.905	0.000
100	C32_Unbiased	0.906	0.906	0.000
100	C33_Unbiased	0.907	0.908	0.000
100	C34_Unbiased	0.907	0.907	0.000
100	C35_Unbiased	0.906	0.906	0.000
100	C36_Unbiased	0.908	0.908	0.000
100	C37_Unbiased	0.905	0.906	0.000
100	C38_Unbiased	0.907	0.908	0.000
	Max	0.910	0.910	0.000
	Average	0.907	0.907	0.000
	Min	0.904	0.904	-0.002
	Std Dev	0.001	0.001	0.000

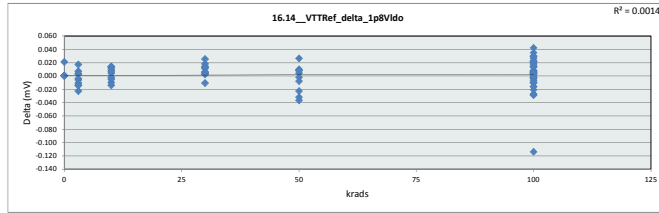


16.13_VTTRef_Vinmax_1p8VIdc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.925	V				
Min Limit	0.875	V				
Krads	LL	Min	Average	Max	UL	
0	0.875	0.875	0.875	0.875	0.875	0.875
3	0.905	0.904	0.905	0.906	0.905	0.904
10	0.907	0.908	0.907	0.907	0.909	0.907
30	0.908	0.910	0.909	0.909	0.909	0.909
50	0.925	0.925	0.925	0.925	0.925	0.925
100	0.925	0.925	0.925	0.925	0.925	0.925

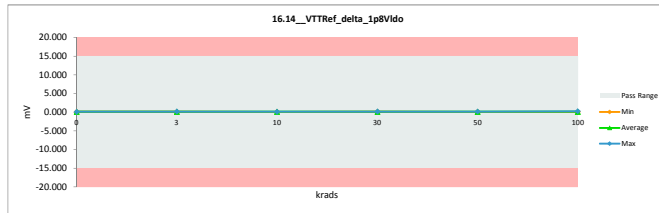


TID 100krad LDR Report
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16.14_VTTRef_delta_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.139	0.139	0.000
3	A79_Biased	0.140	0.123	0.017
3	A80_Biased	0.106	0.112	-0.006
3	B1_Biased	0.127	0.138	-0.011
3	B2_Biased	0.141	0.164	-0.023
3	C1_Biased	0.131	0.124	0.007
3	A82_Unbiased	0.128	0.125	0.003
3	A83_Unbiased	0.128	0.142	-0.014
3	B4_Unbiased	0.135	0.132	0.003
3	B5_Unbiased	0.136	0.150	-0.014
3	C2_Unbiased	0.124	0.128	-0.004
10	A85_Biased	0.136	0.141	-0.005
10	A86_Biased	0.109	0.119	-0.010
10	B6_Biased	0.144	0.131	0.013
10	C3_Biased	0.126	0.122	0.004
10	C4_Biased	0.112	0.098	0.014
10	A87_Unbiased	0.134	0.136	-0.002
10	A88_Unbiased	0.126	0.116	0.010
10	B7_Unbiased	0.151	0.138	0.013
10	C5_Unbiased	0.118	0.111	0.007
10	C6_Unbiased	0.132	0.146	-0.014
0	106_Corr	0.131	0.121	0.010
30	A89_Biased	0.155	0.137	0.018
30	B8_Biased	0.134	0.128	0.006
30	B9_Biased	0.137	0.133	0.004
30	C7_Biased	0.149	0.124	0.025
30	C9_Biased	0.146	0.157	-0.011
30	A90_Unbiased	0.123	0.112	0.011
30	B10_Unbiased	0.133	0.128	0.005
30	B11_Unbiased	0.127	0.125	0.002
30	C11_Unbiased	0.134	0.120	0.014
30	C12_Unbiased	0.136	0.123	0.013
0	106_Corr	0.134	0.134	0.000
0	15B_Corr	0.117	0.117	0.000
50	A92_Biased	0.135	0.109	0.026
50	A93_Biased	0.115	0.117	-0.002
50	B12_Biased	0.137	0.129	0.008
50	B13_Biased	0.150	0.173	-0.023
50	C14_Biased	0.133	0.123	0.010
50	A95_Unbiased	0.141	0.141	-0.032
50	A96_Unbiased	0.130	0.126	0.004
50	B15_Unbiased	0.124	0.116	0.008
50	B16_Unbiased	0.128	0.165	-0.037
50	C15_Unbiased	0.118	0.126	-0.008
0	106_Corr	0.131	0.110	0.021
100	A97_Biased	0.150	0.178	-0.028
100	A99_Biased	0.116	0.118	-0.002
100	A100_Biased	0.141	0.119	0.022
100	A101_Biased	0.152	0.117	0.035
100	A102_Biased	0.125	0.118	0.007
100	A104_Biased	0.132	0.114	0.018
100	A105_Biased	0.127	0.123	0.004
100	B17_Biased	0.137	0.133	0.004
100	B18_Biased	0.157	0.158	-0.001
100	B19_Biased	0.169	0.140	0.029
100	B20_Biased	0.143	0.129	0.014
100	B21_Biased	0.144	0.118	0.026
100	B24_Biased	0.148	0.118	0.030
100	B25_Biased	0.135	0.127	0.008
100	B26_Biased	0.140	0.167	-0.027
100	C16_Biased	0.100	0.116	-0.016
100	C17_Biased	0.137	0.116	0.021
100	C18_Biased	0.125	0.120	0.005
100	C19_Biased	0.174	0.185	-0.011
100	C25_Biased	0.140	0.098	0.042
100	C26_Biased	0.135	0.115	0.020
100	C31_Biased	0.122	0.151	-0.029
100	A107_Unbiased	0.123	0.130	-0.007
100	A108_Unbiased	0.143	0.135	0.008
100	A109_Unbiased	0.124	0.122	0.002
100	A110_Unbiased	0.123	0.127	-0.004
100	A111_Unbiased	0.123	0.127	-0.004
100	A112_Unbiased	0.118	0.105	0.013
100	A113_Unbiased	0.127	0.114	0.013
100	B27_Unbiased	0.141	0.255	-0.114
100	B29_Unbiased	0.127	0.137	-0.010
100	B30_Unbiased	0.142	0.142	0.005
100	B31_Unbiased	0.118	0.102	0.016
100	B32_Unbiased	0.126	0.125	0.001
100	B33_Unbiased	0.122	0.124	-0.002
100	B34_Unbiased	0.134	0.134	0.006
100	B35_Unbiased	0.143	0.121	0.022
100	C32_Unbiased	0.121	0.142	-0.021
100	C33_Unbiased	0.128	0.122	0.006
100	C34_Unbiased	0.130	0.140	-0.010
100	C35_Unbiased	0.116	0.116	0.029
100	C36_Unbiased	0.120	0.136	-0.016
100	C37_Unbiased	0.121	0.117	0.004
100	C38_Unbiased	0.131	0.108	0.023
	Max	0.174	0.255	0.042
	Average	0.132	0.130	0.002
	Min	0.100	0.098	-0.114
	Std Dev	0.013	0.021	0.020

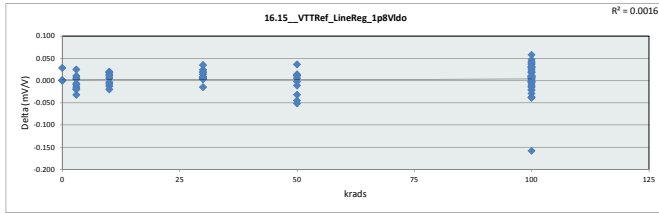


16.14_VTTRef_delta_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	LL	Min	Average	Max	UL	Pass Range
0	-15.000	0.110	0.126	0.139	15.000	-15.000 - 15.000
3	-15.000	0.112	0.134	0.164	15.000	-15.000 - 15.000
10	-15.000	0.098	0.126	0.146	15.000	-15.000 - 15.000
30	-15.000	0.112	0.129	0.157	15.000	-15.000 - 15.000
50	-15.000	0.109	0.133	0.173	15.000	-15.000 - 15.000
100	-15.000	0.098	0.131	0.255	15.000	-15.000 - 15.000

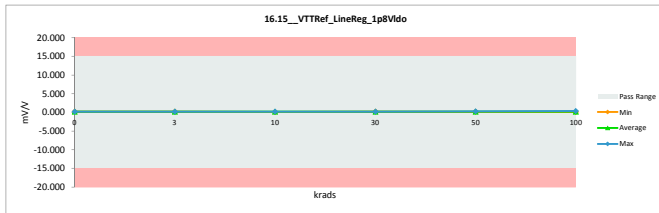


TID 100krad LDR Report
TPS7H3301-SP

16.15_VTTRef_LineReg_1p8VId				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	15	15		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.191	0.191	0.000
3	A79_Biased	0.193	0.168	0.025
3	A80_Biased	0.146	0.155	-0.009
3	B1_Biased	0.175	0.190	-0.015
3	B2_Biased	0.195	0.227	-0.032
3	C1_Biased	0.181	0.171	0.010
3	A82_Unbiased	0.176	0.173	0.003
3	A83_Unbiased	0.176	0.175	-0.019
3	B4_Unbiased	0.186	0.181	0.005
3	B5_Unbiased	0.187	0.207	-0.020
3	C2_Unbiased	0.170	0.177	-0.007
10	A85_Biased	0.187	0.195	-0.008
10	A86_Biased	0.150	0.163	-0.013
10	B6_Biased	0.199	0.181	0.018
10	C3_Biased	0.173	0.168	0.005
10	C4_Biased	0.155	0.135	0.020
10	A87_Unbiased	0.184	0.188	-0.004
10	A88_Unbiased	0.173	0.160	0.013
10	B7_Unbiased	0.208	0.190	0.018
10	C5_Unbiased	0.162	0.152	0.010
10	C6_Unbiased	0.182	0.202	-0.020
0	106_Corr	0.180	0.180	0.000
30	A89_Biased	0.213	0.189	0.024
30	B8_Biased	0.185	0.176	0.009
30	B9_Biased	0.188	0.184	0.004
30	C7_Biased	0.206	0.171	0.035
30	C9_Biased	0.201	0.216	-0.015
30	A90_Unbiased	0.169	0.155	0.014
30	B10_Unbiased	0.183	0.176	0.007
30	B11_Unbiased	0.175	0.172	0.003
30	C11_Unbiased	0.185	0.166	0.019
30	C12_Unbiased	0.187	0.169	0.018
0	106_Corr	0.184	0.184	0.000
0	15B_Corr	0.162	0.162	0.000
50	A92_Biased	0.186	0.150	0.036
50	A93_Biased	0.158	0.161	-0.003
50	B12_Biased	0.189	0.178	0.011
50	B13_Biased	0.207	0.239	-0.032
50	C14_Biased	0.183	0.169	0.014
50	A95_Unbiased	0.150	0.195	-0.045
50	A96_Unbiased	0.179	0.174	0.005
50	B15_Unbiased	0.170	0.160	0.010
50	B16_Unbiased	0.176	0.228	-0.052
50	C15_Unbiased	0.162	0.173	-0.011
0	106_Corr	0.180	0.180	0.000
100	A97_Biased	0.207	0.246	-0.039
100	A99_Biased	0.160	0.162	-0.002
100	A100_Biased	0.194	0.165	0.029
100	A101_Biased	0.209	0.162	0.047
100	A102_Biased	0.172	0.163	0.009
100	A104_Biased	0.181	0.157	0.024
100	A105_Biased	0.176	0.170	0.006
100	B17_Biased	0.189	0.184	0.005
100	B18_Biased	0.185	0.219	-0.032
100	B19_Biased	0.234	0.194	0.040
100	B20_Biased	0.197	0.178	0.019
100	B21_Biased	0.198	0.162	0.036
100	B24_Biased	0.205	0.162	0.043
100	B25_Biased	0.186	0.176	0.010
100	B26_Biased	0.194	0.231	-0.037
100	C16_Biased	0.138	0.159	-0.021
100	C17_Biased	0.188	0.160	0.028
100	C18_Biased	0.173	0.165	0.008
100	C19_Biased	0.240	0.255	-0.015
100	C25_Biased	0.193	0.135	0.058
100	C26_Biased	0.186	0.158	0.028
100	C31_Biased	0.168	0.207	-0.039
100	A107_Unbiased	0.169	0.179	-0.010
100	A108_Unbiased	0.197	0.186	0.011
100	A109_Unbiased	0.171	0.168	0.003
100	A110_Unbiased	0.170	0.175	-0.005
100	A111_Unbiased	0.170	0.175	-0.005
100	A112_Unbiased	0.162	0.144	0.018
100	A113_Unbiased	0.175	0.157	0.018
100	B27_Unbiased	0.194	0.352	-0.158
100	B29_Unbiased	0.174	0.188	-0.014
100	B30_Unbiased	0.195	0.189	0.006
100	B31_Unbiased	0.162	0.141	0.021
100	B32_Unbiased	0.173	0.172	0.001
100	B33_Unbiased	0.168	0.171	-0.003
100	B34_Unbiased	0.185	0.176	0.009
100	B35_Unbiased	0.198	0.166	0.032
100	C32_Unbiased	0.167	0.196	-0.029
100	C33_Unbiased	0.177	0.167	0.010
100	C34_Unbiased	0.180	0.193	-0.013
100	C35_Unbiased	0.200	0.161	0.039
100	C36_Unbiased	0.165	0.187	-0.022
100	C37_Unbiased	0.168	0.162	0.006
100	C38_Unbiased	0.180	0.149	0.031
	Max	0.240	0.352	0.058
	Average	0.182	0.179	0.003
	Min	0.138	0.135	-0.158
	Std Dev	0.018	0.030	0.028

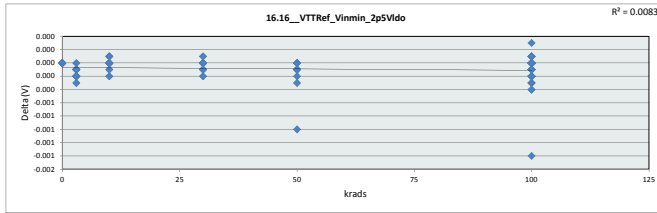


16.15_VTTRef_LineReg_1p8V					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	15	mV/V			
Min Limit	-15	mV/V			
Krads	LL	Min	Average	Max	UL
0	-15.000	0.152	0.174	0.191	15.000
3	-15.000	0.155	0.184	0.227	15.000
10	-15.000	0.135	0.173	0.202	15.000
30	-15.000	0.155	0.177	0.216	15.000
50	-15.000	0.150	0.183	0.239	15.000
100	-15.000	0.135	0.180	0.352	15.000

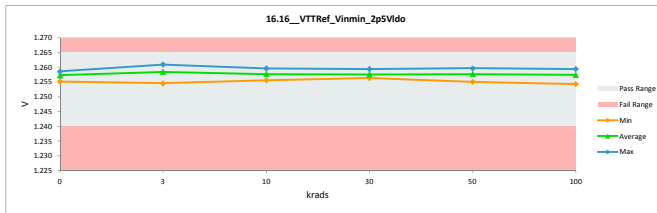


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16.16_VTTRef_Vinmin_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.265	1.259		
Min Limit	1.24	1.24		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.259	1.259	0.000
3	A79_Biased	1.261	1.261	0.000
3	A80_Biased	1.259	1.259	0.000
3	B1_Biased	1.259	1.259	0.000
3	B2_Biased	1.255	1.255	0.000
3	C1_Biased	1.258	1.258	0.000
3	A82_Unbiased	1.259	1.259	0.000
3	A83_Unbiased	1.260	1.260	0.000
3	B4_Unbiased	1.258	1.258	0.000
3	B5_Unbiased	1.257	1.257	0.000
3	C2_Unbiased	1.259	1.259	0.000
10	A85_Biased	1.256	1.256	0.000
10	A86_Biased	1.258	1.258	0.000
10	B6_Biased	1.259	1.259	0.000
10	C3_Biased	1.258	1.258	0.000
10	C4_Biased	1.259	1.259	0.000
10	A87_Unbiased	1.256	1.256	0.000
10	A88_Unbiased	1.260	1.260	0.000
10	B7_Unbiased	1.257	1.257	0.000
10	C5_Unbiased	1.259	1.259	0.000
10	C6_Unbiased	1.255	1.256	0.000
0	106_Corr	1.258	1.258	0.000
30	A89_Biased	1.257	1.257	0.000
30	B8_Biased	1.259	1.259	0.000
30	B9_Biased	1.257	1.257	0.000
30	C7_Biased	1.257	1.257	0.000
30	C9_Biased	1.257	1.257	0.000
30	A90_Unbiased	1.259	1.259	0.000
30	B10_Unbiased	1.256	1.256	0.000
30	B11_Unbiased	1.258	1.258	0.000
30	C11_Unbiased	1.258	1.258	0.000
30	C12_Unbiased	1.257	1.257	0.000
0	106_Corr	1.258	1.258	0.000
0	15B_Corr	1.255	1.255	0.000
50	A92_Biased	1.258	1.259	0.000
50	A93_Biased	1.259	1.259	0.000
50	B12_Biased	1.256	1.256	0.000
50	B13_Biased	1.257	1.257	0.000
50	C14_Biased	1.257	1.258	0.000
50	A95_Unbiased	1.255	1.255	0.000
50	A96_Unbiased	1.258	1.258	0.000
50	B15_Unbiased	1.259	1.259	0.000
50	B16_Unbiased	1.257	1.257	0.000
50	C15_Unbiased	1.259	1.260	-0.001
0	106_Corr	1.258	1.258	0.000
100	A97_Biased	1.257	1.257	0.000
100	A99_Biased	1.258	1.258	0.000
100	A100_Biased	1.255	1.255	0.000
100	A101_Biased	1.258	1.258	0.000
100	A102_Biased	1.259	1.259	0.000
100	A104_Biased	1.258	1.258	0.000
100	A105_Biased	1.256	1.256	0.000
100	B17_Biased	1.258	1.258	0.000
100	B18_Biased	1.254	1.254	0.000
100	B19_Biased	1.256	1.256	0.000
100	B20_Biased	1.258	1.258	0.000
100	B21_Biased	1.258	1.258	0.000
100	B24_Biased	1.256	1.256	0.000
100	B25_Biased	1.257	1.257	0.000
100	B26_Biased	1.254	1.254	0.000
100	C16_Biased	1.259	1.259	0.000
100	C17_Biased	1.258	1.258	0.000
100	C18_Biased	1.259	1.259	0.000
100	C19_Biased	1.257	1.257	0.000
100	C25_Biased	1.257	1.257	0.000
100	C26_Biased	1.258	1.258	0.000
100	C31_Biased	1.259	1.259	0.000
100	A107_Unbiased	1.258	1.258	0.000
100	A108_Unbiased	1.258	1.258	0.000
100	A109_Unbiased	1.259	1.259	0.000
100	A110_Unbiased	1.259	1.258	0.000
100	A111_Unbiased	1.258	1.258	0.000
100	A112_Unbiased	1.259	1.259	0.000
100	A113_Unbiased	1.259	1.259	0.000
100	B27_Unbiased	1.255	1.257	-0.001
100	B29_Unbiased	1.258	1.258	0.000
100	B30_Unbiased	1.257	1.257	0.000
100	B31_Unbiased	1.258	1.258	0.000
100	B32_Unbiased	1.258	1.258	0.000
100	B33_Unbiased	1.256	1.256	0.000
100	B34_Unbiased	1.257	1.257	0.000
100	B35_Unbiased	1.256	1.256	0.000
100	C32_Unbiased	1.256	1.256	0.000
100	C33_Unbiased	1.258	1.258	0.000
100	C34_Unbiased	1.257	1.257	0.000
100	C35_Unbiased	1.256	1.256	0.000
100	C36_Unbiased	1.258	1.258	0.000
100	C37_Unbiased	1.256	1.256	0.000
100	C38_Unbiased	1.258	1.258	0.000
	Max	1.261	1.261	0.000
	Average	1.257	1.258	0.000
	Min	1.254	1.254	-0.001
	Std Dev	0.001	0.001	0.000

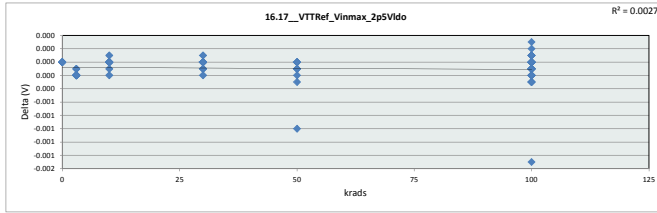


16.16_VTTRef_Vinmin_2p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.265	V				
Min Limit	1.24	V				
Krads	0	3	10	30	50	100
LL	1.240	1.240	1.240	1.240	1.240	1.240
Min	1.255	1.255	1.256	1.256	1.255	1.254
Average	1.257	1.258	1.258	1.258	1.258	1.257
Max	1.259	1.261	1.260	1.259	1.260	1.259
UL	1.265	1.265	1.265	1.265	1.265	1.265

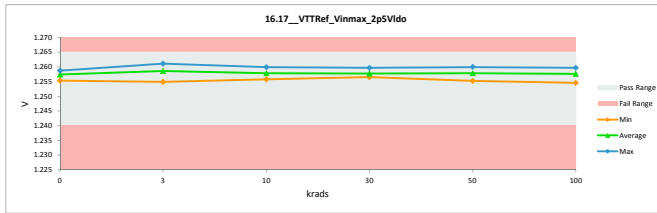


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16.17_VTTRef_Vinmax_2p5VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.265	1.265		
Min Limit	1.24	1.24		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.259	1.259	0.000
3	A79_Biased	1.261	1.261	0.000
3	A80_Biased	1.259	1.259	0.000
3	B1_Biased	1.259	1.259	0.000
3	B2_Biased	1.255	1.255	0.000
3	C1_Biased	1.258	1.258	0.000
3	A82_Unbiased	1.259	1.259	0.000
3	A83_Unbiased	1.260	1.260	0.000
3	B4_Unbiased	1.258	1.258	0.000
3	B5_Unbiased	1.257	1.258	0.000
3	C2_Unbiased	1.259	1.259	0.000
10	A85_Biased	1.256	1.256	0.000
10	A86_Biased	1.258	1.258	0.000
10	B6_Biased	1.260	1.260	0.000
10	C3_Biased	1.258	1.258	0.000
10	C4_Biased	1.259	1.259	0.000
10	A87_Unbiased	1.256	1.256	0.000
10	A88_Unbiased	1.260	1.260	0.000
10	B7_Unbiased	1.257	1.257	0.000
10	C5_Unbiased	1.259	1.259	0.000
10	C6_Unbiased	1.256	1.256	0.000
0	106_Corr	1.258	1.258	0.000
30	A89_Biased	1.257	1.257	0.000
30	B8_Biased	1.259	1.260	0.000
30	B9_Biased	1.257	1.257	0.000
30	C7_Biased	1.257	1.257	0.000
30	C9_Biased	1.257	1.257	0.000
30	A90_Unbiased	1.259	1.259	0.000
30	B10_Unbiased	1.257	1.257	0.000
30	B11_Unbiased	1.258	1.258	0.000
30	C11_Unbiased	1.258	1.258	0.000
30	C12_Unbiased	1.257	1.257	0.000
0	106_Corr	1.258	1.258	0.000
0	158_Corr	1.255	1.255	0.000
50	A92_Biased	1.259	1.259	0.000
50	A93_Biased	1.259	1.259	0.000
50	B12_Biased	1.256	1.257	0.000
50	B13_Biased	1.257	1.257	0.000
50	C14_Biased	1.258	1.258	0.000
50	A95_Unbiased	1.255	1.255	0.000
50	A96_Unbiased	1.258	1.258	0.000
50	B15_Unbiased	1.259	1.259	0.000
50	B16_Unbiased	1.257	1.257	0.000
50	C15_Unbiased	1.259	1.260	-0.001
0	106_Corr	1.258	1.258	0.000
100	A97_Biased	1.257	1.257	0.000
100	A99_Biased	1.258	1.258	0.000
100	A100_Biased	1.255	1.255	0.000
100	A101_Biased	1.258	1.258	0.000
100	A102_Biased	1.259	1.259	0.000
100	A104_Biased	1.258	1.258	0.000
100	A105_Biased	1.256	1.256	0.000
100	B17_Biased	1.258	1.258	0.000
100	B18_Biased	1.254	1.255	0.000
100	B19_Biased	1.256	1.256	0.000
100	B20_Biased	1.258	1.258	0.000
100	B21_Biased	1.258	1.258	0.000
100	B24_Biased	1.256	1.256	0.000
100	B25_Biased	1.257	1.257	0.000
100	B26_Biased	1.255	1.255	0.000
100	C16_Biased	1.259	1.259	0.000
100	C17_Biased	1.258	1.258	0.000
100	C18_Biased	1.259	1.259	0.000
100	C19_Biased	1.257	1.257	0.000
100	C25_Biased	1.257	1.258	0.000
100	C26_Biased	1.258	1.258	0.000
100	C31_Biased	1.260	1.260	0.000
100	A107_Unbiased	1.258	1.258	0.000
100	A108_Unbiased	1.258	1.258	0.000
100	A109_Unbiased	1.259	1.259	0.000
100	A110_Unbiased	1.259	1.259	0.000
100	A111_Unbiased	1.258	1.258	0.000
100	A112_Unbiased	1.259	1.259	0.000
100	A113_Unbiased	1.259	1.259	0.000
100	B27_Unbiased	1.256	1.257	-0.002
100	B29_Unbiased	1.258	1.258	0.000
100	B30_Unbiased	1.257	1.257	0.000
100	B31_Unbiased	1.258	1.258	0.000
100	B32_Unbiased	1.258	1.258	0.000
100	B33_Unbiased	1.256	1.256	0.000
100	B34_Unbiased	1.257	1.257	0.000
100	B35_Unbiased	1.256	1.256	0.000
100	C32_Unbiased	1.256	1.256	0.000
100	C33_Unbiased	1.258	1.258	0.000
100	C34_Unbiased	1.257	1.257	0.000
100	C35_Unbiased	1.256	1.256	0.000
100	C36_Unbiased	1.259	1.259	0.000
100	C37_Unbiased	1.256	1.256	0.000
100	C38_Unbiased	1.258	1.258	0.000
	Max	1.261	1.261	0.000
	Average	1.258	1.258	0.000
	Min	1.254	1.255	-0.002
	Std Dev	0.001	0.001	0.000



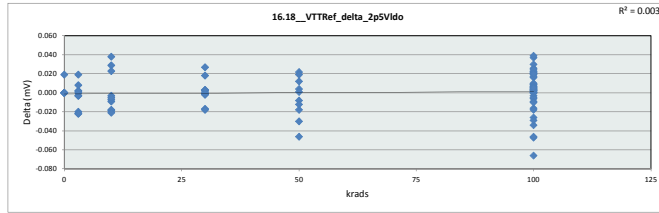
16.17_VTTRef_Vinmax_2p5VIdc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.265	V				
Min Limit	1.24	V				
Krads	0	3	10	30	50	100
LL	1.240	1.240	1.240	1.240	1.240	1.240
Min	1.255	1.255	1.256	1.257	1.255	1.255
Average	1.257	1.259	1.258	1.258	1.258	1.258
Max	1.259	1.261	1.260	1.260	1.260	1.260
UL	1.265	1.265	1.265	1.265	1.265	1.265



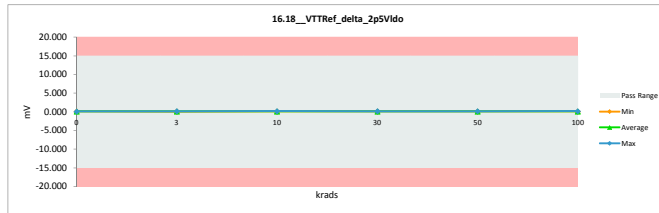
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16.18_VTTRef_delta_2p5VIdo			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	15	15	
Min Limit	-15	-15	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.122	0.122	0.000
3	A79_Biased	0.119	0.111	0.008
3	A80_Biased	0.130	0.130	0.000
3	B1_Biased	0.134	0.137	-0.003
3	B2_Biased	0.139	0.161	-0.022
3	C1_Biased	0.128	0.131	-0.003
3	A82_Unbiased	0.116	0.097	0.019
3	A83_Unbiased	0.161	0.181	-0.020
3	B4_Unbiased	0.119	0.141	-0.022
3	B5_Unbiased	0.129	0.127	0.002
3	C2_Unbiased	0.117	0.115	0.002
10	A85_Biased	0.134	0.153	-0.019
10	A86_Biased	0.123	0.122	-0.009
10	B6_Biased	0.166	0.184	-0.018
10	C3_Biased	0.131	0.134	-0.003
10	C4_Biased	0.115	0.122	-0.007
10	A87_Unbiased	0.132	0.137	-0.005
10	A88_Unbiased	0.223	0.194	0.029
10	B7_Unbiased	0.150	0.112	0.038
10	C5_Unbiased	0.131	0.108	0.023
10	C6_Unbiased	0.114	0.135	-0.021
0	106_Corr	0.134	0.134	0.000
30	A89_Biased	0.139	0.137	0.002
30	B8_Biased	0.163	0.180	-0.017
30	B9_Biased	0.144	0.145	-0.001
30	C7_Biased	0.118	0.136	-0.018
30	C9_Biased	0.160	0.027	0.133
30	A90_Unbiased	0.132	0.132	0.000
30	B10_Unbiased	0.139	0.141	-0.002
30	B11_Unbiased	0.131	0.128	0.003
30	C11_Unbiased	0.118	0.119	-0.001
30	C12_Unbiased	0.123	0.120	0.003
0	106_Corr	0.141	0.141	0.000
0	15B_Corr	0.114	0.114	0.000
50	A92_Biased	0.141	0.119	0.022
50	A93_Biased	0.120	0.120	0.000
50	B12_Biased	0.132	0.140	-0.008
50	B13_Biased	0.144	0.174	-0.030
50	C14_Biased	0.136	0.132	0.004
50	A95_Unbiased	0.131	0.113	0.012
50	A96_Unbiased	0.137	0.125	0.012
50	B15_Unbiased	0.128	0.127	0.001
50	B16_Unbiased	0.149	0.130	0.019
50	C15_Unbiased	0.133	0.179	-0.046
0	106_Corr	0.134	0.134	0.000
100	A97_Biased	0.120	0.167	-0.047
100	A99_Biased	0.140	0.114	0.026
100	A100_Biased	0.122	0.125	-0.003
100	A101_Biased	0.132	0.110	0.022
100	A102_Biased	0.144	0.107	0.037
100	A104_Biased	0.134	0.125	0.009
100	A105_Biased	0.139	0.119	0.020
100	B17_Biased	0.144	0.122	0.022
100	B18_Biased	0.178	0.184	-0.006
100	B19_Biased	0.122	0.138	-0.016
100	B20_Biased	0.126	0.110	0.016
100	B21_Biased	0.122	0.119	0.003
100	B24_Biased	0.133	0.124	0.009
100	B25_Biased	0.137	0.142	-0.005
100	B26_Biased	0.144	0.178	-0.034
100	C16_Biased	0.132	0.127	0.005
100	C17_Biased	0.129	0.129	0.000
100	C18_Biased	0.124	0.133	-0.009
100	C19_Biased	0.137	0.183	-0.046
100	C25_Biased	0.123	0.120	0.003
100	C26_Biased	0.142	0.142	0.000
100	C31_Biased	0.165	0.135	0.030
100	A107_Unbiased	0.134	0.115	0.019
100	A108_Unbiased	0.137	0.127	0.010
100	A109_Unbiased	0.126	0.119	0.007
100	A110_Unbiased	0.140	0.117	0.023
100	A111_Unbiased	0.154	0.115	0.039
100	A112_Unbiased	0.120	0.119	0.001
100	A113_Unbiased	0.125	0.122	0.003
100	B27_Unbiased	0.161	0.227	-0.066
100	B29_Unbiased	0.123	0.123	0.000
100	B30_Unbiased	0.126	0.152	-0.026
100	B31_Unbiased	0.127	0.125	0.002
100	B32_Unbiased	0.128	0.123	0.005
100	B33_Unbiased	0.136	0.129	0.007
100	B34_Unbiased	0.146	0.121	0.025
100	B35_Unbiased	0.137	0.134	0.003
100	C32_Unbiased	0.120	0.149	-0.029
100	C33_Unbiased	0.122	0.105	0.017
100	C34_Unbiased	0.143	0.123	0.020
100	C35_Unbiased	0.127	0.121	0.006
100	C36_Unbiased	0.130	0.140	-0.010
100	C37_Unbiased	0.132	0.150	-0.018
100	C38_Unbiased	0.119	0.114	0.005
	Max	0.223	0.227	-0.039
	Average	0.135	0.134	0.000
	Min	0.114	0.097	-0.066
	Std Dev	0.016	0.023	0.020



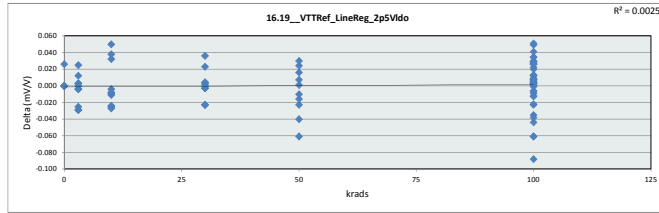
16.18_VTTRef_delta_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.114	0.097	0.108	0.110	0.119	0.105
Average	0.125	0.133	0.141	0.136	0.132	0.132
Max	0.141	0.181	0.194	0.180	0.179	0.227
UL	15.000	15.000	15.000	15.000	15.000	15.000



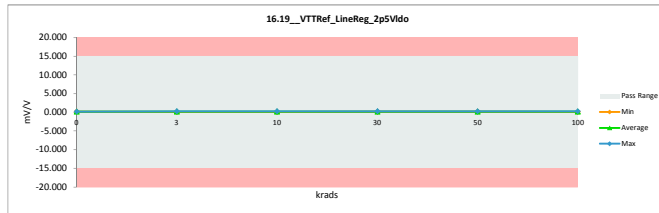
TID 100krad LDR Report
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16.19_VTTRef_LineReg_2p5VId			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV/V	mV/V	
Max Limit	15	15	
Min Limit	-15	-15	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.162	0.162	0.000
3	A79_Biased	0.158	0.146	0.012
3	A80_Biased	0.172	0.172	0.000
3	B1_Biased	0.178	0.182	-0.004
3	B2_Biased	0.185	0.214	-0.029
3	C1_Biased	0.170	0.174	-0.004
3	A82_Unbiased	0.153	0.128	0.025
3	A83_Unbiased	0.214	0.239	-0.025
3	B4_Unbiased	0.158	0.187	-0.029
3	B5_Unbiased	0.171	0.168	0.003
3	C2_Unbiased	0.155	0.152	0.003
10	A85_Biased	0.178	0.203	-0.025
10	A86_Biased	0.163	0.174	-0.011
10	B6_Biased	0.220	0.244	-0.024
10	C3_Biased	0.174	0.178	-0.004
10	C4_Biased	0.152	0.161	-0.009
10	A87_Unbiased	0.174	0.182	-0.008
10	A88_Unbiased	0.295	0.257	0.038
10	B7_Unbiased	0.199	0.149	0.050
10	C5_Unbiased	0.174	0.142	0.032
10	C6_Unbiased	0.152	0.179	-0.027
0	106_Corr	0.178	0.178	0.000
30	A89_Biased	0.184	0.182	0.002
30	B8_Biased	0.216	0.239	-0.023
30	B9_Biased	0.190	0.193	-0.003
30	C7_Biased	0.157	0.180	-0.023
30	C9_Biased	0.212	0.176	0.036
30	A90_Unbiased	0.175	0.175	0.000
30	B10_Unbiased	0.184	0.187	-0.003
30	B11_Unbiased	0.174	0.170	0.004
30	C11_Unbiased	0.146	0.023	0.123
30	C12_Unbiased	0.163	0.159	0.004
0	106_Corr	0.187	0.187	0.000
0	15B_Corr	0.151	0.151	0.000
50	A92_Biased	0.187	0.157	0.030
50	A93_Biased	0.160	0.183	-0.023
50	B12_Biased	0.176	0.186	-0.010
50	B13_Biased	0.191	0.231	-0.040
50	C14_Biased	0.181	0.174	0.007
50	A95_Unbiased	0.174	0.174	-0.016
50	A96_Unbiased	0.182	0.166	0.016
50	B15_Unbiased	0.170	0.169	0.001
50	B16_Unbiased	0.197	0.173	0.024
50	C15_Unbiased	0.176	0.237	-0.061
0	106_Corr	0.178	0.178	0.000
100	A97_Biased	0.160	0.221	-0.061
100	A99_Biased	0.185	0.150	0.035
100	A100_Biased	0.161	0.167	-0.006
100	A101_Biased	0.174	0.146	0.028
100	A102_Biased	0.191	0.142	0.049
100	A104_Biased	0.178	0.166	0.012
100	A105_Biased	0.184	0.158	0.026
100	B17_Biased	0.191	0.162	0.029
100	B18_Biased	0.236	0.245	-0.009
100	B19_Biased	0.161	0.184	-0.023
100	B20_Biased	0.166	0.146	0.020
100	B21_Biased	0.161	0.158	0.003
100	B24_Biased	0.177	0.164	0.013
100	B25_Biased	0.181	0.188	-0.007
100	B26_Biased	0.192	0.236	-0.044
100	C16_Biased	0.174	0.169	0.005
100	C17_Biased	0.171	0.171	0.000
100	C18_Biased	0.164	0.176	-0.012
100	C19_Biased	0.182	0.243	-0.061
100	C25_Biased	0.163	0.159	0.004
100	C26_Biased	0.188	0.189	-0.001
100	C31_Biased	0.219	0.178	0.041
100	A107_Unbiased	0.178	0.152	0.026
100	A108_Unbiased	0.181	0.168	0.013
100	A109_Unbiased	0.167	0.158	0.009
100	A110_Unbiased	0.185	0.155	0.030
100	A111_Unbiased	0.204	0.051	0.153
100	A112_Unbiased	0.159	0.158	0.001
100	A113_Unbiased	0.166	0.162	0.004
100	B27_Unbiased	0.213	0.301	-0.088
100	B29_Unbiased	0.164	0.162	0.002
100	B30_Unbiased	0.167	0.202	-0.035
100	B31_Unbiased	0.169	0.166	0.003
100	B32_Unbiased	0.170	0.164	0.006
100	B33_Unbiased	0.180	0.172	0.008
100	B34_Unbiased	0.181	0.194	-0.014
100	B35_Unbiased	0.181	0.178	0.003
100	C32_Unbiased	0.160	0.198	-0.038
100	C33_Unbiased	0.162	0.140	0.022
100	C34_Unbiased	0.190	0.163	0.027
100	C35_Unbiased	0.168	0.160	0.008
100	C36_Unbiased	0.172	0.185	-0.013
100	C37_Unbiased	0.176	0.198	-0.022
100	C38_Unbiased	0.158	0.151	0.007
	Max	0.295	0.301	0.005
	Average	0.179	0.178	0.000
	Min	0.151	0.128	-0.088
	Std Dev	0.021	0.030	0.026

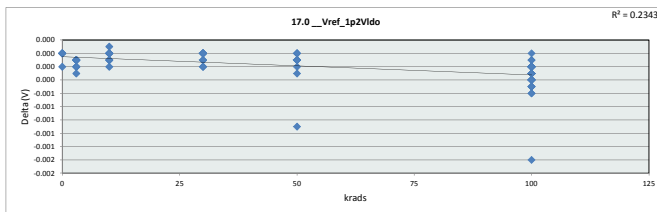


16.19_VTTRef_LineReg_2p5V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15 mV/V					
Min Limit	-15 mV/V					
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	0.151	0.128	0.142	0.146	0.157	0.140
Average	0.166	0.176	0.187	0.181	0.187	0.176
Max	0.187	0.239	0.257	0.239	0.237	0.301
UL	15.000	15.000	15.000	15.000	15.000	15.000

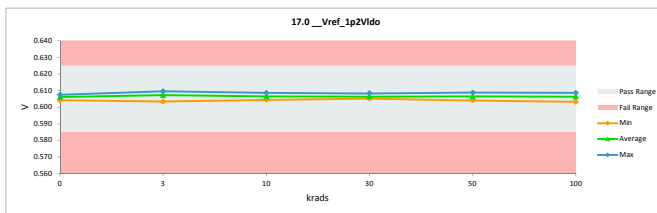


TID 100krad LDR Report
TPS7H3301-SP

17.0_Vref_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V			
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.607	0.607	0.000
3	A79_Biased	0.609	0.609	0.000
3	A80_Biased	0.608	0.608	0.000
3	B1_Biased	0.608	0.608	0.000
3	B2_Biased	0.603	0.603	0.000
3	C1_Biased	0.606	0.606	0.000
3	A82_Unbiased	0.608	0.608	0.000
3	A83_Unbiased	0.609	0.609	0.000
3	B4_Unbiased	0.607	0.607	0.000
3	B5_Unbiased	0.606	0.606	0.000
3	C2_Unbiased	0.608	0.608	0.000
10	A85_Biased	0.604	0.604	0.000
10	A86_Biased	0.606	0.606	0.000
10	B6_Biased	0.608	0.608	0.000
10	C3_Biased	0.607	0.607	0.000
10	C4_Biased	0.608	0.608	0.000
10	A87_Unbiased	0.605	0.605	0.000
10	A88_Unbiased	0.608	0.609	0.000
10	B7_Unbiased	0.606	0.606	0.000
10	C5_Unbiased	0.607	0.607	0.000
10	C6_Unbiased	0.604	0.604	0.000
0	106_Corr	0.606	0.606	0.000
30	A89_Biased	0.605	0.606	0.000
30	B8_Biased	0.608	0.608	0.000
30	B9_Biased	0.605	0.605	0.000
30	C7_Biased	0.606	0.606	0.000
30	C9_Biased	0.606	0.606	0.000
30	A90_Unbiased	0.608	0.608	0.000
30	B10_Unbiased	0.605	0.605	0.000
30	B11_Unbiased	0.607	0.607	0.000
30	C11_Unbiased	0.606	0.606	0.000
30	C12_Unbiased	0.606	0.606	0.000
0	106_Corr	0.606	0.606	0.000
0	15B_Corr	0.604	0.604	0.000
50	A92_Biased	0.607	0.607	0.000
50	A93_Biased	0.607	0.607	0.000
50	B12_Biased	0.605	0.605	0.000
50	B13_Biased	0.605	0.605	0.000
50	C14_Biased	0.606	0.606	0.000
50	A95_Unbiased	0.604	0.604	0.000
50	A96_Unbiased	0.606	0.607	0.000
50	B15_Unbiased	0.608	0.608	0.000
50	B16_Unbiased	0.605	0.605	0.000
50	C15_Unbiased	0.608	0.609	-0.001
0	106_Corr	0.606	0.607	0.000
100	A97_Biased	0.606	0.606	0.000
100	A99_Biased	0.607	0.607	0.000
100	A100_Biased	0.603	0.604	0.000
100	A101_Biased	0.607	0.607	0.000
100	A102_Biased	0.607	0.608	-0.001
100	A104_Biased	0.607	0.607	0.000
100	A105_Biased	0.605	0.605	0.000
100	B17_Biased	0.607	0.607	0.000
100	B18_Biased	0.603	0.603	0.000
100	B19_Biased	0.604	0.605	0.000
100	B20_Biased	0.607	0.607	0.000
100	B21_Biased	0.607	0.607	0.000
100	B24_Biased	0.604	0.605	0.000
100	B25_Biased	0.606	0.606	0.000
100	B26_Biased	0.603	0.603	0.000
100	C16_Biased	0.608	0.608	0.000
100	C17_Biased	0.607	0.607	0.000
100	C18_Biased	0.607	0.608	-0.001
100	C19_Biased	0.606	0.606	0.000
100	C25_Biased	0.606	0.607	-0.001
100	C26_Biased	0.607	0.607	0.000
100	C31_Biased	0.608	0.609	0.000
100	A107_Unbiased	0.606	0.606	0.000
100	A108_Unbiased	0.607	0.607	-0.001
100	A109_Unbiased	0.608	0.608	0.000
100	A110_Unbiased	0.607	0.608	0.000
100	A111_Unbiased	0.607	0.607	0.000
100	A112_Unbiased	0.608	0.608	0.000
100	A113_Unbiased	0.607	0.608	0.000
100	B27_Unbiased	0.604	0.606	-0.002
100	B29_Unbiased	0.607	0.607	0.000
100	B30_Unbiased	0.606	0.606	0.000
100	B31_Unbiased	0.606	0.607	-0.001
100	B32_Unbiased	0.607	0.607	0.000
100	B33_Unbiased	0.605	0.605	0.000
100	B34_Unbiased	0.605	0.605	0.000
100	B35_Unbiased	0.605	0.605	0.000
100	C32_Unbiased	0.605	0.605	0.000
100	C33_Unbiased	0.606	0.607	-0.001
100	C34_Unbiased	0.606	0.606	0.000
100	C35_Unbiased	0.605	0.605	0.000
100	C36_Unbiased	0.607	0.608	0.000
100	C37_Unbiased	0.605	0.605	0.000
100	C38_Unbiased	0.606	0.607	0.000
	Max	0.609	0.609	0.000
	Average	0.606	0.606	0.000
	Min	0.603	0.603	-0.002
	Std Dev	0.001	0.001	0.000

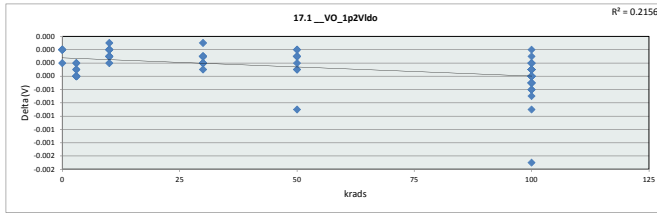


17.0_Vref_1p2Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
Krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.604	0.603	0.604	0.605	0.604	0.603
Average	0.606	0.607	0.606	0.606	0.606	0.606
Max	0.607	0.610	0.609	0.608	0.609	0.609
UL	0.625	0.625	0.625	0.625	0.625	0.625

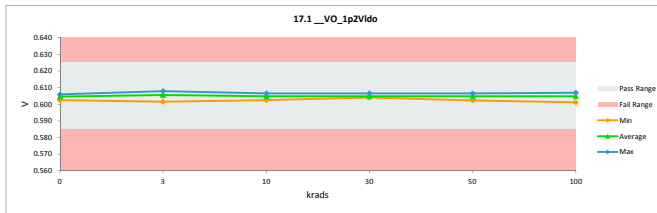


TID 100krad LDR Report
TPS7H3301-SP

17.1_VO_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.606	0.606	0.000
3	A79_Biased	0.608	0.608	0.000
3	A80_Biased	0.606	0.606	0.000
3	B1_Biased	0.606	0.606	0.000
3	B2_Biased	0.601	0.602	0.000
3	C1_Biased	0.604	0.605	0.000
3	A82_Unbiased	0.606	0.606	0.000
3	A83_Unbiased	0.607	0.607	0.000
3	B4_Unbiased	0.604	0.605	0.000
3	B5_Unbiased	0.605	0.605	0.000
3	C2_Unbiased	0.606	0.607	0.000
10	A85_Biased	0.603	0.603	0.000
10	A86_Biased	0.605	0.605	0.000
10	B6_Biased	0.606	0.606	0.000
10	C3_Biased	0.605	0.605	0.000
10	C4_Biased	0.606	0.606	0.000
10	A87_Unbiased	0.604	0.604	0.000
10	A88_Unbiased	0.607	0.607	0.000
10	B7_Unbiased	0.604	0.604	0.000
10	C5_Unbiased	0.606	0.606	0.000
10	C6_Unbiased	0.603	0.603	0.000
0	106_Corr	0.605	0.605	0.000
30	A89_Biased	0.604	0.604	0.000
30	B8_Biased	0.606	0.607	0.000
30	B9_Biased	0.604	0.604	0.000
30	C7_Biased	0.605	0.605	0.000
30	C9_Biased	0.604	0.604	0.000
30	A90_Unbiased	0.606	0.606	0.000
30	B10_Unbiased	0.604	0.604	0.000
30	B11_Unbiased	0.605	0.605	0.000
30	C11_Unbiased	0.605	0.605	0.000
30	C12_Unbiased	0.604	0.605	0.000
0	106_Corr	0.605	0.605	0.000
0	15B_Corr	0.603	0.603	0.000
50	A92_Biased	0.606	0.606	0.000
50	A93_Biased	0.606	0.606	0.000
50	B12_Biased	0.603	0.603	0.000
50	B13_Biased	0.604	0.604	0.000
50	C14_Biased	0.605	0.605	0.000
50	A95_Unbiased	0.602	0.602	0.000
50	A96_Unbiased	0.605	0.605	0.000
50	B15_Unbiased	0.606	0.606	0.000
50	B16_Unbiased	0.604	0.604	0.000
50	C15_Unbiased	0.606	0.607	-0.001
0	106_Corr	0.605	0.605	0.000
100	A97_Biased	0.604	0.605	0.000
100	A99_Biased	0.605	0.605	0.000
100	A100_Biased	0.602	0.603	-0.001
100	A101_Biased	0.605	0.605	0.000
100	A102_Biased	0.606	0.606	0.000
100	A104_Biased	0.605	0.605	-0.001
100	A105_Biased	0.603	0.603	0.000
100	B17_Biased	0.605	0.605	0.000
100	B18_Biased	0.601	0.601	0.000
100	B19_Biased	0.603	0.603	0.000
100	B20_Biased	0.605	0.606	-0.001
100	B21_Biased	0.605	0.605	0.000
100	B24_Biased	0.603	0.603	0.000
100	B25_Biased	0.604	0.604	0.000
100	B26_Biased	0.602	0.602	0.000
100	C16_Biased	0.606	0.606	-0.001
100	C17_Biased	0.605	0.605	0.000
100	C18_Biased	0.606	0.607	-0.001
100	C19_Biased	0.605	0.605	0.000
100	C25_Biased	0.604	0.605	-0.001
100	C26_Biased	0.605	0.605	0.000
100	C31_Biased	0.607	0.607	0.000
100	A107_Unbiased	0.605	0.606	0.000
100	A108_Unbiased	0.605	0.606	-0.001
100	A109_Unbiased	0.606	0.606	0.000
100	A110_Unbiased	0.606	0.606	0.000
100	A111_Unbiased	0.605	0.605	0.000
100	A112_Unbiased	0.606	0.606	0.000
100	A113_Unbiased	0.606	0.606	0.000
100	B27_Unbiased	0.603	0.604	-0.002
100	B29_Unbiased	0.605	0.605	0.000
100	B30_Unbiased	0.604	0.604	0.000
100	B31_Unbiased	0.605	0.605	0.000
100	B32_Unbiased	0.605	0.605	0.000
100	B33_Unbiased	0.603	0.604	-0.001
100	B34_Unbiased	0.603	0.603	0.000
100	B35_Unbiased	0.603	0.603	0.000
100	C32_Unbiased	0.604	0.604	0.000
100	C33_Unbiased	0.605	0.605	0.000
100	C34_Unbiased	0.604	0.605	0.000
100	C35_Unbiased	0.604	0.604	0.000
100	C36_Unbiased	0.606	0.606	0.000
100	C37_Unbiased	0.603	0.604	-0.001
100	C38_Unbiased	0.605	0.605	0.000
	Max	0.608	0.608	0.000
	Average	0.605	0.605	0.000
	Min	0.601	0.601	-0.002
	Std Dev	0.001	0.001	0.000

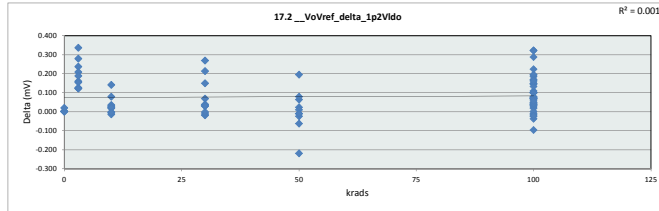


17.1_VO_1p2VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
Krads	LL	3	10	30	50	100
	LL	0.585	0.585	0.585	0.585	0.585
	Min	0.603	0.602	0.603	0.604	0.602
	Average	0.605	0.606	0.605	0.605	0.605
	Max	0.606	0.608	0.607	0.607	0.607
	UL	0.625	0.625	0.625	0.625	0.625

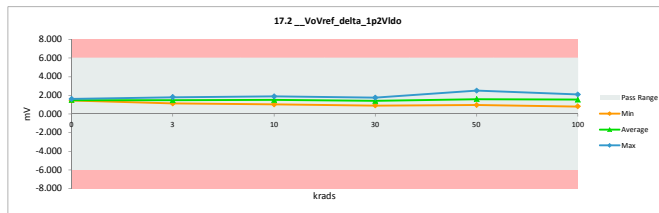


TID 100krad LDR Report
TPS7H3301-SP

17.2_VoVref_delta_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.445	1.445	0.000
3	A79_Biased	1.771	1.493	0.279
3	A80_Biased	1.647	1.489	0.158
3	B1_Biased	1.378	1.254	0.124
3	B2_Biased	1.867	1.713	0.154
3	C1_Biased	1.750	1.628	0.122
3	A82_Unbiased	1.712	1.376	0.336
3	A83_Unbiased	1.838	1.601	0.237
3	B4_Unbiased	2.011	1.803	0.208
3	B5_Unbiased	1.310	1.123	0.187
3	C2_Unbiased	1.333	1.211	0.122
10	A85_Biased	1.873	1.734	0.139
10	A86_Biased	1.826	1.482	0.024
10	B6_Biased	1.809	1.824	-0.015
10	C3_Biased	1.668	1.590	0.078
10	C4_Biased	1.709	1.675	0.034
10	A87_Unbiased	1.056	1.027	0.029
10	A88_Unbiased	1.898	1.880	0.018
10	B7_Unbiased	1.602	1.605	-0.003
10	C5_Unbiased	1.316	1.296	0.020
10	C6_Unbiased	1.035	1.040	-0.005
0	106_Corr	1.465	1.465	0.000
30	A89_Biased	1.533	1.503	0.030
30	B8_Biased	1.663	1.684	-0.020
30	B9_Biased	1.526	1.314	0.212
30	C7_Biased	0.970	0.903	0.067
30	C9_Biased	1.512	1.475	0.037
30	A90_Unbiased	1.738	1.750	-0.012
30	B10_Unbiased	1.150	1.002	0.148
30	B11_Unbiased	1.842	1.574	0.268
30	C11_Unbiased	1.320	1.323	-0.003
30	C12_Unbiased	1.558	1.529	0.029
0	106_Corr	1.493	1.493	0.000
0	15B_Corr	1.608	1.608	0.000
50	A92_Biased	1.019	0.956	0.063
50	A93_Biased	1.542	1.520	0.022
50	B12_Biased	1.918	1.724	0.194
50	B13_Biased	1.033	0.954	0.079
50	C14_Biased	1.473	1.485	-0.012
50	A95_Unbiased	1.626	1.651	-0.025
50	A96_Unbiased	1.222	1.213	0.008
50	B15_Unbiased	2.491	2.502	-0.011
50	B16_Unbiased	1.732	1.795	-0.063
50	C15_Unbiased	1.854	2.073	-0.220
0	106_Corr	1.465	1.465	0.000
100	A97_Biased	1.285	1.261	0.025
100	A99_Biased	1.992	2.006	-0.014
100	A100_Biased	1.356	1.257	0.099
100	A101_Biased	1.680	1.705	-0.025
100	A102_Biased	1.871	1.967	-0.096
100	A104_Biased	1.532	1.349	0.184
100	A105_Biased	1.761	1.696	0.066
100	B17_Biased	1.675	1.684	-0.009
100	B18_Biased	2.316	2.093	0.222
100	B19_Biased	1.264	1.217	0.047
100	B20_Biased	1.584	1.261	0.322
100	B21_Biased	2.096	2.050	0.045
100	B24_Biased	1.442	1.407	0.035
100	B25_Biased	1.900	1.707	0.193
100	B26_Biased	1.315	1.297	0.018
100	C16_Biased	1.878	1.558	0.320
100	C17_Biased	1.720	1.758	-0.038
100	C18_Biased	1.577	1.291	0.286
100	C19_Biased	1.222	1.156	0.066
100	C25_Biased	1.465	1.433	0.032
100	C26_Biased	1.990	1.989	0.001
100	C31_Biased	1.754	1.606	0.148
100	A107_Unbiased	1.001	0.807	0.194
100	A108_Unbiased	1.593	1.486	0.108
100	A109_Unbiased	1.855	1.756	0.099
100	A110_Unbiased	1.755	1.719	0.036
100	A111_Unbiased	1.925	1.827	0.098
100	A112_Unbiased	2.032	1.954	0.078
100	A113_Unbiased	1.497	1.329	0.168
100	B27_Unbiased	1.578	1.506	0.072
100	B29_Unbiased	1.713	1.570	0.143
100	B30_Unbiased	1.933	1.835	0.097
100	B31_Unbiased	1.601	1.525	0.076
100	B32_Unbiased	1.398	1.252	0.147
100	B33_Unbiased	1.197	1.031	0.166
100	B34_Unbiased	1.970	1.777	0.192
100	B35_Unbiased	1.722	1.647	0.075
100	C32_Unbiased	1.387	1.320	0.067
100	C33_Unbiased	1.517	1.449	0.067
100	C34_Unbiased	1.681	1.643	0.038
100	C35_Unbiased	1.389	1.347	0.042
100	C36_Unbiased	1.373	1.316	0.056
100	C37_Unbiased	1.259	1.099	0.160
100	C38_Unbiased	1.475	1.498	-0.022
	Max	2.491	2.502	0.336
	Average	1.593	1.513	0.080
	Min	0.970	0.807	-0.220
	Std Dev	0.293	0.302	0.099

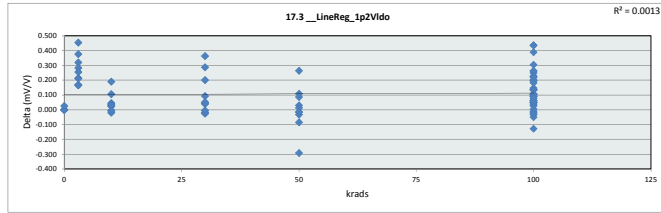


17.2_VoVref_delta_1p2Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
Krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.445	1.123	1.027	0.903	0.954	0.807
Average	1.491	1.469	1.515	1.406	1.587	1.533
Max	1.608	1.803	1.881	1.750	2.502	2.093
UL	6.000	6.000	6.000	6.000	6.000	6.000

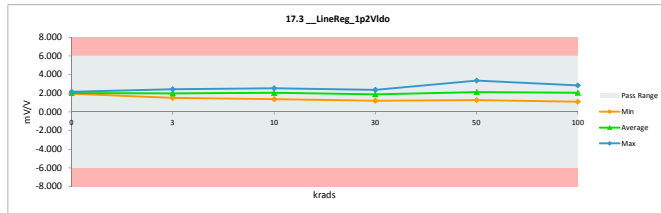


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17.3 LineReg_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.946	1.946	0.000
3	A79_Biased	2.380	2.004	0.376
3	A80_Biased	2.219	2.005	0.214
3	B1_Biased	1.856	1.688	0.168
3	B2_Biased	2.535	2.325	0.211
3	C1_Biased	2.364	2.198	0.167
3	A82_Unbiased	2.307	1.854	0.454
3	A83_Unbiased	2.473	2.153	0.320
3	B4_Unbiased	2.715	2.433	0.282
3	B5_Unbiased	1.768	1.514	0.254
3	C2_Unbiased	1.795	1.630	0.165
10	A85_Biased	2.538	2.349	0.189
10	A86_Biased	2.032	2.000	0.033
10	B6_Biased	2.435	2.455	-0.020
10	C3_Biased	2.251	2.145	0.106
10	C4_Biased	2.302	2.256	0.046
10	A87_Unbiased	1.428	1.389	0.039
10	A88_Unbiased	2.555	2.531	0.024
10	B7_Unbiased	2.165	2.168	-0.004
10	C5_Unbiased	1.773	1.745	0.028
10	C6_Unbiased	1.400	1.407	-0.007
0	106_Corr	1.978	1.978	0.000
30	A89_Biased	2.072	2.031	0.041
30	B8_Biased	2.239	2.266	-0.026
30	B9_Biased	2.063	1.776	0.287
30	C7_Biased	1.510	1.219	0.291
30	C9_Biased	2.043	1.993	0.050
30	A90_Unbiased	2.341	2.358	-0.017
30	B10_Unbiased	1.554	1.353	0.200
30	B11_Unbiased	2.485	2.122	0.363
30	C11_Unbiased	1.781	1.785	-0.004
30	C12_Unbiased	2.104	2.064	0.040
0	106_Corr	2.015	2.015	0.000
0	15B_Corr	2.179	2.179	0.000
50	A92_Biased	1.372	1.287	0.085
50	A93_Biased	2.079	2.049	0.030
50	B12_Biased	2.596	2.332	0.264
50	B13_Biased	1.396	1.289	0.107
50	C14_Biased	1.989	2.004	-0.015
50	A95_Unbiased	2.205	2.238	-0.033
50	A96_Unbiased	1.648	1.636	0.012
50	B15_Unbiased	3.357	3.372	-0.015
50	B16_Unbiased	2.342	2.428	-0.085
50	C15_Unbiased	2.498	2.790	-0.292
0	106_Corr	1.978	1.978	0.000
100	A97_Biased	1.736	1.702	0.034
100	A99_Biased	2.689	2.706	-0.017
100	A100_Biased	1.839	1.702	0.136
100	A101_Biased	2.466	2.499	-0.033
100	A102_Biased	2.522	2.450	-0.128
100	A104_Biased	2.068	1.819	0.249
100	A105_Biased	2.385	2.295	0.090
100	B17_Biased	2.260	2.271	-0.011
100	B18_Biased	3.147	2.842	0.304
100	B19_Biased	1.711	1.647	0.064
100	B20_Biased	2.136	1.700	0.437
100	B21_Biased	2.828	2.766	0.062
100	B24_Biased	1.953	1.904	0.048
100	B25_Biased	2.549	2.307	0.242
100	B26_Biased	1.784	1.759	0.025
100	C16_Biased	2.531	2.098	0.434
100	C17_Biased	2.322	2.372	-0.050
100	C18_Biased	2.125	1.737	0.388
100	C19_Biased	1.650	1.560	0.090
100	C25_Biased	1.978	1.934	0.044
100	C26_Biased	2.686	2.682	0.004
100	C31_Biased	2.360	2.160	0.200
100	A107_Unbiased	1.350	1.088	0.262
100	A108_Unbiased	2.150	2.003	0.147
100	A109_Unbiased	2.500	2.365	0.135
100	A110_Unbiased	2.366	2.317	0.049
100	A111_Unbiased	2.599	2.466	0.133
100	A112_Unbiased	2.738	2.631	0.107
100	A113_Unbiased	2.017	1.790	0.227
100	B27_Unbiased	2.138	2.035	0.103
100	B29_Unbiased	2.311	2.117	0.194
100	B30_Unbiased	2.614	2.480	0.134
100	B31_Unbiased	2.161	2.056	0.104
100	B32_Unbiased	1.887	1.688	0.199
100	B33_Unbiased	1.619	1.393	0.226
100	B34_Unbiased	2.583	2.403	0.180
100	B35_Unbiased	2.331	2.229	0.101
100	C32_Unbiased	1.876	1.784	0.092
100	C33_Unbiased	2.047	1.955	0.093
100	C34_Unbiased	2.271	2.219	0.052
100	C35_Unbiased	1.879	1.821	0.058
100	C36_Unbiased	1.850	1.773	0.077
100	C37_Unbiased	1.703	1.486	0.217
100	C38_Unbiased	1.992	2.020	-0.029
	Max	3.357	3.372	0.015
	Average	2.150	2.042	0.108
	Min	1.310	1.088	-0.292
	Std Dev	0.395	0.408	0.133

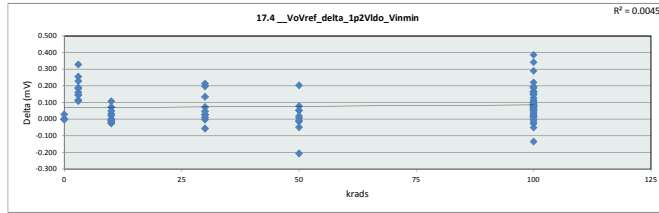


17.3 LineReg_1p2VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV/V				
Min Limit	-6	mV/V				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.946	1.514	1.389	1.219	1.287	1.088
Average	2.014	1.980	2.045	1.897	2.142	2.069
Max	2.179	2.433	2.531	2.358	3.372	2.843
UL	6.000	6.000	6.000	6.000	6.000	6.000

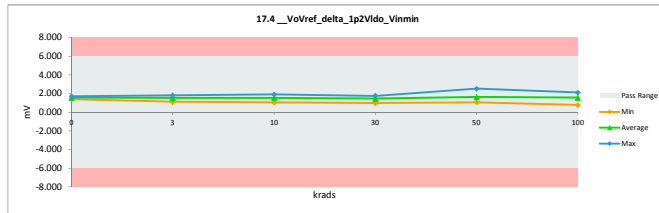


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17.4_VoVref_delta_1p2VIdo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.393	1.393	0.000
3	A79_Biased	1.821	1.567	0.254
3	A80_Biased	1.773	1.584	0.189
3	B1_Biased	1.419	1.273	0.146
3	B2_Biased	1.929	1.783	0.146
3	C1_Biased	1.756	1.648	0.108
3	A82_Unbiased	1.795	1.467	0.328
3	A83_Unbiased	1.839	1.611	0.229
3	B4_Unbiased	1.988	1.804	0.184
3	B5_Unbiased	1.280	1.119	0.161
3	C2_Unbiased	1.449	1.334	0.115
10	A85_Biased	1.905	1.799	0.106
10	A86_Biased	1.471	1.491	-0.020
10	B6_Biased	1.842	1.867	-0.025
10	C3_Biased	1.644	1.570	0.073
10	C4_Biased	1.745	1.696	0.050
10	A87_Unbiased	1.090	1.057	0.033
10	A88_Unbiased	1.923	1.901	0.022
10	B7_Unbiased	1.565	1.573	-0.008
10	C5_Unbiased	1.346	1.346	0.000
10	C6_Unbiased	1.040	1.051	-0.011
0	106_Corr	1.558	1.558	0.000
30	A89_Biased	1.603	1.577	0.026
30	B8_Biased	1.737	1.740	-0.003
30	B9_Biased	1.516	1.320	0.197
30	C7_Biased	1.034	0.962	0.072
30	C9_Biased	1.571	1.523	0.048
30	A90_Unbiased	1.732	1.721	0.011
30	B10_Unbiased	1.223	1.089	0.134
30	B11_Unbiased	1.833	1.620	0.213
30	C11_Unbiased	1.367	1.423	-0.056
30	C12_Unbiased	1.562	1.535	0.027
0	106_Corr	1.573	1.573	0.000
0	15B_Corr	1.684	1.684	0.000
50	A92_Biased	1.740	1.087	0.053
50	A93_Biased	1.576	1.524	0.052
50	B12_Biased	1.965	1.762	0.203
50	B13_Biased	1.132	1.054	0.077
50	C14_Biased	1.500	1.515	-0.015
50	A95_Unbiased	1.688	1.737	-0.048
50	A96_Unbiased	1.207	1.200	0.007
50	B15_Unbiased	2.524	2.505	0.018
50	B16_Unbiased	1.810	1.821	-0.011
50	C15_Unbiased	1.923	2.130	-0.207
0	106_Corr	1.538	1.538	0.000
100	A97_Biased	1.281	1.259	0.022
100	A99_Biased	2.023	1.999	0.023
100	A100_Biased	1.362	1.286	0.076
100	A101_Biased	1.651	1.678	-0.027
100	A102_Biased	1.837	1.971	-0.134
100	A104_Biased	1.477	1.314	0.163
100	A105_Biased	1.802	1.742	0.060
100	B17_Biased	1.663	1.682	-0.019
100	B18_Biased	2.229	2.108	0.221
100	B19_Biased	1.369	1.320	0.049
100	B20_Biased	1.639	1.298	0.342
100	B21_Biased	2.063	2.068	-0.005
100	B24_Biased	1.473	1.417	0.056
100	B25_Biased	1.948	1.754	0.195
100	B26_Biased	1.329	1.312	0.017
100	C16_Biased	1.939	1.554	0.385
100	C17_Biased	1.779	1.830	-0.051
100	C18_Biased	1.594	1.305	0.289
100	C19_Biased	1.239	1.144	0.095
100	C25_Biased	1.576	1.566	0.010
100	C26_Biased	2.039	2.002	0.037
100	C31_Biased	1.757	1.609	0.148
100	A107_Unbiased	0.963	0.777	0.186
100	A108_Unbiased	1.683	1.568	0.115
100	A109_Unbiased	1.893	1.811	0.082
100	A110_Unbiased	1.846	1.781	0.065
100	A111_Unbiased	1.951	1.856	0.105
100	A112_Unbiased	2.017	1.939	0.078
100	A113_Unbiased	1.418	1.252	0.166
100	B27_Unbiased	1.575	1.561	0.014
100	B29_Unbiased	1.682	1.520	0.162
100	B30_Unbiased	1.935	1.850	0.085
100	B31_Unbiased	1.601	1.512	0.089
100	B32_Unbiased	1.452	1.303	0.150
100	B33_Unbiased	1.261	1.133	0.128
100	B34_Unbiased	1.952	1.814	0.148
100	B35_Unbiased	1.741	1.672	0.069
100	C32_Unbiased	1.452	1.374	0.078
100	C33_Unbiased	1.520	1.418	0.102
100	C34_Unbiased	1.729	1.697	0.032
100	C35_Unbiased	1.470	1.417	0.053
100	C36_Unbiased	1.404	1.351	0.053
100	C37_Unbiased	1.373	1.181	0.192
100	C38_Unbiased	1.508	1.512	-0.004
	Max	2.524	2.505	0.385
	Average	1.625	1.546	0.079
	Min	0.963	0.777	-0.207
	Std Dev	0.289	0.296	0.100

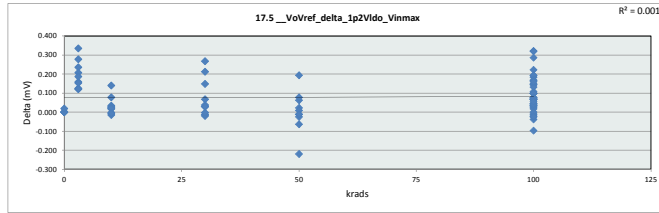


17.4_VoVref_delta_1p2VIdo_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	LL	3	10	30	50	100
	LL	-6.000	-6.000	-6.000	-6.000	-6.000
	Min	1.393	1.119	1.051	0.962	1.054
	Average	1.548	1.519	1.535	1.451	1.634
	Max	1.684	1.804	1.901	1.740	2.505
	UL	6.000	6.000	6.000	6.000	6.000

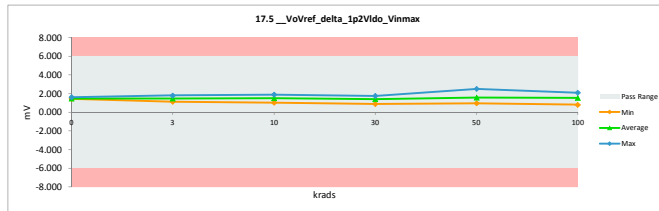


TID 100krad LDR Report
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17.5_VoVref_delta_1p2VIdo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	
0	C35_Corr	1.445	1.445	0.000
3	A79_Biased	1.771	1.493	0.279
3	A80_Biased	1.647	1.489	0.158
3	B1_Biased	1.378	1.254	0.124
3	B2_Biased	1.867	1.713	0.154
3	C1_Biased	1.750	1.628	0.122
3	A82_Unbiased	1.712	1.376	0.336
3	A83_Unbiased	1.838	1.601	0.237
3	B4_Unbiased	2.011	1.803	0.208
3	B5_Unbiased	1.310	1.123	0.187
3	C2_Unbiased	1.333	1.211	0.122
10	A85_Biased	1.873	1.734	0.139
10	A86_Biased	1.826	1.482	0.024
10	B6_Biased	1.809	1.824	-0.015
10	C3_Biased	1.668	1.590	0.078
10	C4_Biased	1.709	1.675	0.034
10	A87_Unbiased	1.056	1.027	0.029
10	A88_Unbiased	1.898	1.880	0.018
10	B7_Unbiased	1.602	1.605	-0.003
10	C5_Unbiased	1.316	1.296	0.020
10	C6_Unbiased	1.035	1.040	-0.005
0	106_Corr	1.465	1.465	0.000
30	A89_Biased	1.533	1.503	0.030
30	B8_Biased	1.663	1.684	-0.020
30	B9_Biased	1.526	1.314	0.212
30	C7_Biased	0.970	0.903	0.067
30	C9_Biased	1.512	1.475	0.037
30	A90_Unbiased	1.738	1.750	-0.012
30	B10_Unbiased	1.150	1.002	0.148
30	B11_Unbiased	1.842	1.574	0.268
30	C11_Unbiased	1.320	1.323	-0.003
30	C12_Unbiased	1.558	1.529	0.029
0	106_Corr	1.493	1.493	0.000
0	15B_Corr	1.608	1.608	0.000
50	A92_Biased	1.019	0.956	0.063
50	A93_Biased	1.542	1.520	0.022
50	B12_Biased	1.918	1.724	0.194
50	B13_Biased	1.033	0.954	0.079
50	C14_Biased	1.473	1.485	-0.012
50	A95_Unbiased	1.626	1.651	-0.025
50	A96_Unbiased	1.222	1.213	0.008
50	B15_Unbiased	2.491	2.502	-0.011
50	B16_Unbiased	1.732	1.795	-0.063
50	C15_Unbiased	1.854	2.073	-0.220
0	106_Corr	1.446	1.446	0.000
100	A97_Biased	1.285	1.261	0.025
100	A99_Biased	1.992	2.006	-0.014
100	A100_Biased	1.356	1.257	0.099
100	A101_Biased	1.680	1.705	-0.025
100	A102_Biased	1.871	1.967	-0.096
100	A104_Biased	1.532	1.349	0.184
100	A105_Biased	1.761	1.696	0.066
100	B17_Biased	1.675	1.684	-0.009
100	B18_Biased	2.316	2.093	0.222
100	B19_Biased	1.264	1.217	0.047
100	B20_Biased	1.584	1.261	0.322
100	B21_Biased	2.096	2.050	0.045
100	B24_Biased	1.442	1.407	0.035
100	B25_Biased	1.900	1.707	0.193
100	B26_Biased	1.315	1.297	0.018
100	C16_Biased	1.878	1.558	0.320
100	C17_Biased	1.720	1.758	-0.038
100	C18_Biased	1.577	1.291	0.286
100	C19_Biased	1.222	1.156	0.066
100	C25_Biased	1.465	1.433	0.032
100	C26_Biased	1.990	1.989	0.001
100	C31_Biased	1.754	1.606	0.148
100	A107_Unbiased	1.001	0.807	0.194
100	A108_Unbiased	1.593	1.486	0.108
100	A109_Unbiased	1.855	1.756	0.099
100	A110_Unbiased	1.755	1.719	0.036
100	A111_Unbiased	1.925	1.827	0.098
100	A112_Unbiased	2.032	1.954	0.078
100	A113_Unbiased	1.497	1.329	0.168
100	B27_Unbiased	1.578	1.506	0.072
100	B29_Unbiased	1.713	1.570	0.143
100	B30_Unbiased	1.933	1.835	0.097
100	B31_Unbiased	1.601	1.525	0.076
100	B32_Unbiased	1.398	1.252	0.147
100	B33_Unbiased	1.197	1.031	0.166
100	B34_Unbiased	1.970	1.777	0.192
100	B35_Unbiased	1.722	1.647	0.075
100	C32_Unbiased	1.387	1.320	0.067
100	C33_Unbiased	1.517	1.449	0.067
100	C34_Unbiased	1.681	1.643	0.038
100	C35_Unbiased	1.389	1.347	0.042
100	C36_Unbiased	1.373	1.316	0.056
100	C37_Unbiased	1.259	1.099	0.160
100	C38_Unbiased	1.475	1.498	-0.022
	Max	2.491	2.502	0.336
	Average	1.593	1.513	0.080
	Min	0.970	0.807	-0.220
	Std Dev	0.293	0.302	0.099

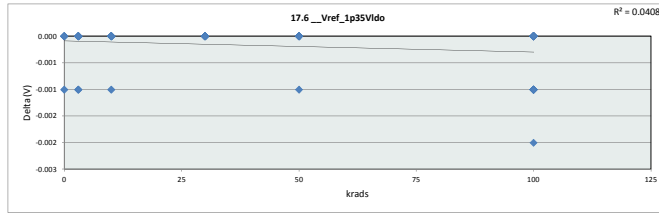


17.5_VoVref_delta_1p2VIdo_V					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	6	mV			
Min Limit	-6	mV			
Krads	0	3	10	30	50
LL	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.445	1.123	1.027	0.903	0.954
Average	1.491	1.469	1.515	1.406	1.587
Max	1.608	1.803	1.881	1.750	2.502
UL	6.000	6.000	6.000	6.000	6.000

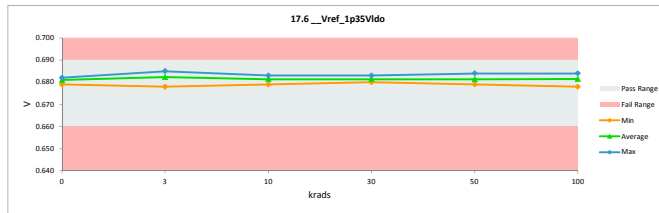


TID 100krad LDR Report
TPS7H3301-SP

17.6_Vref_1p35Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.69	0.69		
Min Limit	0.66	0.66		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.682	0.682	0.000
3	A79_Biased	0.684	0.685	-0.001
3	A80_Biased	0.683	0.683	0.000
3	B1_Biased	0.683	0.683	0.000
3	B2_Biased	0.678	0.678	0.000
3	C1_Biased	0.681	0.681	0.000
3	A82_Unbiased	0.683	0.683	0.000
3	A83_Unbiased	0.683	0.684	-0.001
3	B4_Unbiased	0.682	0.682	0.000
3	B5_Unbiased	0.681	0.681	0.000
3	C2_Unbiased	0.683	0.683	0.000
10	A85_Biased	0.679	0.679	0.000
10	A86_Biased	0.681	0.681	0.000
10	B6_Biased	0.683	0.683	0.000
10	C3_Biased	0.682	0.682	0.000
10	C4_Biased	0.683	0.683	0.000
10	A87_Unbiased	0.680	0.680	0.000
10	A88_Unbiased	0.683	0.683	0.000
10	B7_Unbiased	0.681	0.681	0.000
10	C5_Unbiased	0.682	0.683	-0.001
10	C6_Unbiased	0.679	0.679	0.000
0	106_Corr	0.681	0.681	0.000
30	A89_Biased	0.681	0.681	0.000
30	B8_Biased	0.683	0.683	0.000
30	B9_Biased	0.681	0.681	0.000
30	C7_Biased	0.681	0.681	0.000
30	C9_Biased	0.681	0.681	0.000
30	A90_Unbiased	0.683	0.683	0.000
30	B10_Unbiased	0.680	0.680	0.000
30	B11_Unbiased	0.682	0.682	0.000
30	C11_Unbiased	0.681	0.681	0.000
30	C12_Unbiased	0.681	0.681	0.000
0	106_Corr	0.681	0.681	0.000
0	15B_Corr	0.679	0.679	0.000
50	A92_Biased	0.682	0.682	0.000
50	A93_Biased	0.682	0.682	0.000
50	B12_Biased	0.680	0.680	0.000
50	B13_Biased	0.680	0.680	0.000
50	C14_Biased	0.681	0.681	0.000
50	A95_Unbiased	0.679	0.679	0.000
50	A96_Unbiased	0.682	0.682	0.000
50	B15_Unbiased	0.683	0.683	0.000
50	B16_Unbiased	0.680	0.680	0.000
50	C15_Unbiased	0.683	0.684	-0.001
0	106_Corr	0.681	0.682	-0.001
100	A97_Biased	0.681	0.681	0.000
100	A99_Biased	0.682	0.682	0.000
100	A100_Biased	0.678	0.679	-0.001
100	A101_Biased	0.682	0.682	0.000
100	A102_Biased	0.683	0.683	0.000
100	A104_Biased	0.682	0.682	0.000
100	A105_Biased	0.680	0.680	0.000
100	B17_Biased	0.682	0.682	0.000
100	B18_Biased	0.678	0.678	0.000
100	B19_Biased	0.680	0.680	0.000
100	B20_Biased	0.682	0.682	0.000
100	B21_Biased	0.682	0.682	0.000
100	B24_Biased	0.679	0.680	-0.001
100	B25_Biased	0.681	0.681	0.000
100	B26_Biased	0.678	0.678	0.000
100	C16_Biased	0.683	0.683	0.000
100	C17_Biased	0.682	0.682	0.000
100	C18_Biased	0.683	0.683	0.000
100	C19_Biased	0.681	0.681	0.000
100	C25_Biased	0.681	0.682	-0.001
100	C26_Biased	0.682	0.683	-0.001
100	C31_Biased	0.683	0.684	-0.001
100	A107_Unbiased	0.681	0.682	-0.001
100	A108_Unbiased	0.682	0.682	0.000
100	A109_Unbiased	0.683	0.683	0.000
100	A110_Unbiased	0.682	0.683	-0.001
100	A111_Unbiased	0.682	0.682	0.000
100	A112_Unbiased	0.683	0.683	0.000
100	A113_Unbiased	0.683	0.683	0.000
100	B27_Unbiased	0.679	0.681	-0.002
100	B29_Unbiased	0.682	0.682	0.000
100	B30_Unbiased	0.681	0.681	0.000
100	B31_Unbiased	0.681	0.682	-0.001
100	B32_Unbiased	0.682	0.682	0.000
100	B33_Unbiased	0.680	0.680	0.000
100	B34_Unbiased	0.680	0.681	-0.001
100	B35_Unbiased	0.680	0.680	0.000
100	C32_Unbiased	0.680	0.680	0.000
100	C33_Unbiased	0.681	0.682	-0.001
100	C34_Unbiased	0.681	0.681	0.000
100	C35_Unbiased	0.680	0.680	0.000
100	C36_Unbiased	0.682	0.683	-0.001
100	C37_Unbiased	0.680	0.680	0.000
100	C38_Unbiased	0.681	0.682	-0.001
	Max	0.684	0.685	0.000
	Average	0.681	0.682	0.000
	Min	0.678	0.678	-0.002
	Std Dev	0.001	0.001	0.000



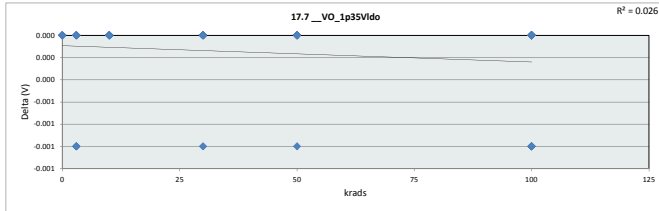
17.6_Vref_1p35Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.69	V				
Min Limit	0.66	V				
Krads	LL	Min	Average	Max	UL	Pass
0	0.660	0.660	0.660	0.660	0.660	0.660
3	0.679	0.678	0.679	0.680	0.679	0.678
10	0.681	0.682	0.681	0.681	0.681	0.681
30	0.682	0.685	0.683	0.683	0.684	0.684
50	0.690	0.690	0.690	0.690	0.690	0.690
100						



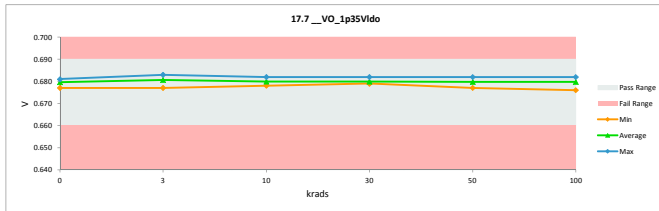
TID 100krad LDR Report
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17.7_VO_1p35VIdo		
Test Site	Dallas, Tx	Dallas, Tx
Tester	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	0.69	0.69
Min Limit	0.66	0.66

Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.681	0.681	0.000
3	A79_Biased	0.683	0.683	0.000
3	A80_Biased	0.681	0.681	0.000
3	B1_Biased	0.681	0.681	0.000
3	B2_Biased	0.676	0.677	-0.001
3	C1_Biased	0.679	0.680	-0.001
3	A82_Unbiased	0.681	0.681	0.000
3	A83_Unbiased	0.682	0.682	0.000
3	B4_Unbiased	0.680	0.680	0.000
3	B5_Unbiased	0.680	0.680	0.000
3	C2_Unbiased	0.681	0.682	-0.001
10	A85_Biased	0.678	0.678	0.000
10	A86_Biased	0.680	0.680	0.000
10	B6_Biased	0.681	0.681	0.000
10	C3_Biased	0.680	0.680	0.000
10	C4_Biased	0.681	0.681	0.000
10	A87_Unbiased	0.679	0.679	0.000
10	A88_Unbiased	0.682	0.682	0.000
10	B7_Unbiased	0.679	0.679	0.000
10	C5_Unbiased	0.681	0.681	0.000
10	C6_Unbiased	0.678	0.678	0.000
0	106_Corr	0.680	0.680	0.000
30	A89_Biased	0.679	0.679	0.000
30	B8_Biased	0.681	0.682	-0.001
30	B9_Biased	0.679	0.679	0.000
30	C7_Biased	0.680	0.680	0.000
30	C9_Biased	0.679	0.679	0.000
30	A90_Unbiased	0.681	0.681	0.000
30	B10_Unbiased	0.679	0.679	0.000
30	B11_Unbiased	0.680	0.680	0.000
30	C11_Unbiased	0.680	0.680	0.000
30	C12_Unbiased	0.680	0.680	0.000
0	106_Corr	0.680	0.680	0.000
0	15B_Corr	0.677	0.677	0.000
50	A92_Biased	0.681	0.681	0.000
50	A93_Biased	0.681	0.681	0.000
50	B12_Biased	0.678	0.678	0.000
50	B13_Biased	0.679	0.679	0.000
50	C14_Biased	0.680	0.680	0.000
50	A95_Unbiased	0.677	0.677	0.000
50	A96_Unbiased	0.680	0.680	0.000
50	B15_Unbiased	0.681	0.681	0.000
50	B16_Unbiased	0.679	0.679	0.000
50	C15_Unbiased	0.681	0.682	-0.001
0	106_Corr	0.680	0.680	0.000
100	A97_Biased	0.680	0.680	0.000
100	A99_Biased	0.680	0.680	0.000
100	A100_Biased	0.677	0.678	-0.001
100	A101_Biased	0.680	0.680	0.000
100	A102_Biased	0.681	0.681	0.000
100	A104_Biased	0.680	0.680	0.000
100	A105_Biased	0.678	0.678	0.000
100	B17_Biased	0.680	0.680	0.000
100	B18_Biased	0.676	0.676	0.000
100	B19_Biased	0.678	0.678	0.000
100	B20_Biased	0.680	0.681	-0.001
100	B21_Biased	0.680	0.680	0.000
100	B24_Biased	0.678	0.678	0.000
100	B25_Biased	0.679	0.679	0.000
100	B26_Biased	0.677	0.677	0.000
100	C16_Biased	0.681	0.681	0.000
100	C17_Biased	0.680	0.680	0.000
100	C18_Biased	0.681	0.682	-0.001
100	C19_Biased	0.680	0.680	0.000
100	C25_Biased	0.680	0.680	0.000
100	C26_Biased	0.680	0.681	-0.001
100	C31_Biased	0.682	0.682	0.000
100	A107_Unbiased	0.680	0.681	-0.001
100	A108_Unbiased	0.680	0.681	-0.001
100	A109_Unbiased	0.681	0.681	0.000
100	A110_Unbiased	0.681	0.681	0.000
100	A111_Unbiased	0.680	0.680	0.000
100	A112_Unbiased	0.681	0.681	0.000
100	A113_Unbiased	0.681	0.681	0.000
100	B27_Unbiased	0.678	0.679	-0.001
100	B29_Unbiased	0.680	0.680	0.000
100	B30_Unbiased	0.679	0.679	0.000
100	B31_Unbiased	0.680	0.680	0.000
100	B32_Unbiased	0.680	0.680	0.000
100	B33_Unbiased	0.678	0.679	-0.001
100	B34_Unbiased	0.679	0.679	-0.001
100	B35_Unbiased	0.678	0.678	0.000
100	C32_Unbiased	0.679	0.679	0.000
100	C33_Unbiased	0.680	0.680	0.000
100	C34_Unbiased	0.679	0.680	-0.001
100	C35_Unbiased	0.679	0.679	0.000
100	C36_Unbiased	0.681	0.681	0.000
100	C37_Unbiased	0.678	0.679	-0.001
100	C38_Unbiased	0.680	0.680	0.000
	Max	0.683	0.683	0.000
	Average	0.680	0.680	0.000
	Min	0.676	0.676	-0.001
	Std Dev	0.001	0.001	0.000

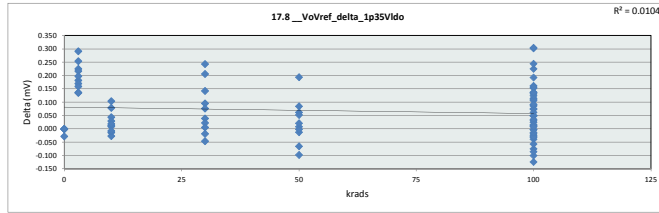


17.7_VO_1p35VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.69 V					
Min Limit	0.66 V					
Krads	0	3	10	30	50	100
LL	0.660	0.660	0.660	0.660	0.660	0.660
Min	0.677	0.677	0.678	0.679	0.677	0.676
Average	0.680	0.681	0.680	0.680	0.680	0.680
Max	0.681	0.683	0.682	0.682	0.682	0.682
UL	0.690	0.690	0.690	0.690	0.690	0.690

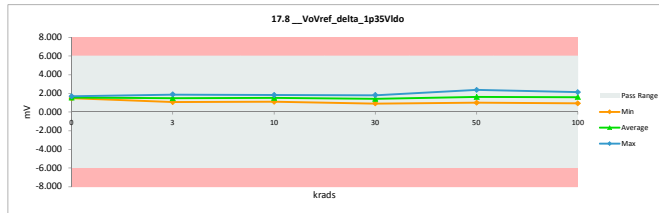


TID 100krad LDR Report
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17.8_VoVref_delta_1p35Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.496	1.496	0.000
3	A79_Biased	1.781	1.556	0.225
3	A80_Biased	1.731	1.549	0.182
3	B1_Biased	1.414	1.276	0.137
3	B2_Biased	1.834	1.617	0.217
3	C1_Biased	1.757	1.587	0.170
3	A82_Unbiased	1.756	1.464	0.292
3	A83_Unbiased	1.639	1.441	0.198
3	B4_Unbiased	2.037	1.878	0.159
3	B5_Unbiased	1.338	1.083	0.255
3	C2_Unbiased	1.406	1.270	0.136
10	A85_Biased	1.920	1.815	0.105
10	A86_Biased	1.540	1.552	-0.013
10	B6_Biased	1.676	1.702	-0.027
10	C3_Biased	1.728	1.650	0.079
10	C4_Biased	1.768	1.724	0.044
10	A87_Unbiased	1.712	1.099	0.013
10	A88_Unbiased	1.731	1.701	0.030
10	B7_Unbiased	1.619	1.609	0.010
10	C5_Unbiased	1.357	1.365	-0.008
10	C6_Unbiased	1.126	1.107	0.019
0	106_Corr	1.524	1.524	0.000
30	A89_Biased	1.556	1.516	0.039
30	B8_Biased	1.603	1.507	0.096
30	B9_Biased	1.559	1.352	0.206
30	C7_Biased	0.996	0.077	0.919
30	C9_Biased	1.528	1.505	0.023
30	A90_Unbiased	1.814	1.807	0.006
30	B10_Unbiased	1.197	1.054	0.143
30	B11_Unbiased	1.888	1.644	0.244
30	C11_Unbiased	1.349	1.394	-0.045
30	C12_Unbiased	1.560	1.578	-0.018
0	106_Corr	1.558	1.558	0.000
0	15B_Corr	1.697	1.697	0.000
50	A92_Biased	1.089	1.004	0.085
50	A93_Biased	1.568	1.560	0.008
50	B12_Biased	1.993	1.799	0.194
50	B13_Biased	1.057	0.996	0.062
50	C14_Biased	1.480	1.546	-0.065
50	A95_Unbiased	1.712	1.725	-0.012
50	A96_Unbiased	1.273	1.274	-0.001
50	B15_Unbiased	2.430	2.377	0.053
50	B16_Unbiased	1.862	1.959	-0.097
50	C15_Unbiased	1.933	1.912	0.021
0	106_Corr	1.524	1.524	0.000
100	A97_Biased	1.293	1.161	0.132
100	A99_Biased	2.061	2.085	-0.024
100	A100_Biased	1.361	1.379	-0.018
100	A101_Biased	1.729	1.803	-0.074
100	A102_Biased	1.913	2.036	-0.123
100	A104_Biased	1.566	1.451	0.115
100	A105_Biased	1.845	1.795	0.050
100	B17_Biased	1.732	1.770	-0.038
100	B18_Biased	2.274	2.121	0.154
100	B19_Biased	1.321	1.323	-0.002
100	B20_Biased	1.640	1.338	0.302
100	B21_Biased	2.117	2.149	-0.031
100	B24_Biased	1.503	1.490	0.014
100	B25_Biased	1.931	1.705	0.226
100	B26_Biased	1.257	1.286	-0.029
100	C16_Biased	1.938	1.633	0.304
100	C17_Biased	1.781	1.880	-0.099
100	C18_Biased	1.620	1.375	0.244
100	C19_Biased	1.246	1.170	0.075
100	C25_Biased	1.484	1.570	-0.086
100	C26_Biased	2.043	2.056	-0.013
100	C31_Biased	1.575	1.488	0.087
100	A107_Unbiased	1.041	0.934	0.107
100	A108_Unbiased	1.659	1.584	0.075
100	A109_Unbiased	1.901	1.851	0.050
100	A110_Unbiased	1.798	1.787	0.010
100	A111_Unbiased	1.928	1.928	0.000
100	A112_Unbiased	2.056	2.007	0.049
100	A113_Unbiased	1.566	1.404	0.162
100	B27_Unbiased	1.630	1.518	0.112
100	B29_Unbiased	1.774	1.649	0.125
100	B30_Unbiased	1.990	1.853	0.138
100	B31_Unbiased	1.660	1.634	0.025
100	B32_Unbiased	1.470	1.380	0.090
100	B33_Unbiased	1.264	1.127	0.137
100	B34_Unbiased	1.979	1.822	0.157
100	B35_Unbiased	1.776	1.745	0.032
100	C32_Unbiased	1.457	1.364	0.093
100	C33_Unbiased	1.560	1.563	-0.003
100	C34_Unbiased	1.717	1.682	0.035
100	C35_Unbiased	1.466	1.451	0.015
100	C36_Unbiased	1.408	1.400	0.008
100	C37_Unbiased	1.389	1.196	0.193
100	C38_Unbiased	1.531	1.587	-0.056
	Max	2.430	2.377	0.053
	Average	1.627	1.560	0.067
	Min	0.996	0.919	-0.077
	Std Dev	0.284	0.292	0.008

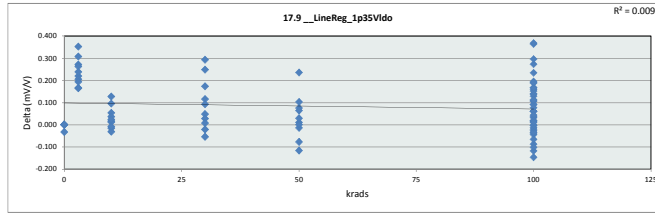


17.8_VoVref_delta_1p35Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	6					
Min Limit	-6					
Krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.496	1.083	1.099	0.919	0.996	0.935
Average	1.565	1.472	1.532	1.428	1.615	1.603
Max	1.698	1.878	1.815	1.807	2.377	2.149
UL	6.000	6.000	6.000	6.000	6.000	6.000

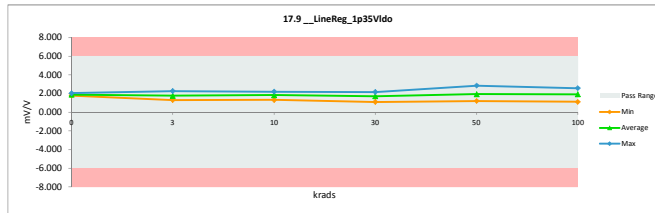


TID 100krad LDR Report
TPS7H3301-SP

17.9_LineReg_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.793	1.793	0.000
3	A79_Biased	2.130	1.860	0.270
3	A80_Biased	2.075	1.856	0.219
3	B1_Biased	1.695	1.529	0.165
3	B2_Biased	2.213	1.950	0.263
3	C1_Biased	2.110	1.905	0.205
3	A82_Unbiased	2.106	1.754	0.352
3	A83_Unbiased	1.963	1.725	0.238
3	B4_Unbiased	2.447	2.255	0.192
3	B5_Unbiased	1.607	1.300	0.307
3	C2_Unbiased	1.685	1.521	0.164
10	A85_Biased	2.313	2.187	0.126
10	A86_Biased	1.849	1.844	-0.015
10	B6_Biased	2.007	2.039	-0.032
10	C3_Biased	2.075	1.980	0.096
10	C4_Biased	2.119	2.066	0.053
10	A87_Unbiased	1.338	1.322	0.016
10	A88_Unbiased	2.073	2.037	0.036
10	B7_Unbiased	1.945	1.934	0.012
10	C5_Unbiased	1.626	1.635	-0.009
10	C6_Unbiased	1.355	1.332	0.024
0	106_Corr	1.830	1.830	0.000
30	A89_Biased	1.871	1.823	0.048
30	B8_Biased	1.920	1.805	0.115
30	B9_Biased	1.874	1.625	0.249
30	C7_Biased	1.196	1.103	0.093
30	C9_Biased	1.837	1.810	0.027
30	A90_Unbiased	2.174	2.167	0.007
30	B10_Unbiased	1.439	1.266	0.173
30	B11_Unbiased	2.265	1.972	0.293
30	C11_Unbiased	1.619	1.673	-0.055
30	C12_Unbiased	1.874	1.895	-0.022
0	106_Corr	1.870	1.870	0.000
0	15B_Corr	2.046	2.046	0.000
50	A92_Biased	1.305	1.203	0.102
50	A93_Biased	2.064	1.810	0.254
50	B12_Biased	2.399	2.165	0.234
50	B13_Biased	1.271	1.196	0.075
50	C14_Biased	1.778	1.856	-0.078
50	A95_Unbiased	2.064	2.079	-0.015
50	A96_Unbiased	1.528	1.528	-0.001
50	B15_Unbiased	2.915	2.851	0.064
50	B16_Unbiased	2.240	2.356	-0.116
50	C15_Unbiased	2.318	2.289	0.029
0	106_Corr	1.830	1.830	0.000
100	A97_Biased	1.553	1.394	0.159
100	A99_Biased	2.476	2.503	-0.027
100	A100_Biased	1.641	1.661	-0.020
100	A101_Biased	2.075	2.063	0.012
100	A102_Biased	2.294	2.440	-0.146
100	A104_Biased	1.880	1.741	0.139
100	A105_Biased	2.221	2.160	0.061
100	B17_Biased	2.080	2.124	-0.044
100	B18_Biased	2.747	2.560	0.187
100	B19_Biased	1.590	1.592	-0.002
100	B20_Biased	1.968	1.604	0.364
100	B21_Biased	2.542	2.579	-0.037
100	B24_Biased	1.811	1.793	0.018
100	B25_Biased	2.322	2.049	0.273
100	B26_Biased	1.516	1.551	-0.035
100	C16_Biased	2.324	1.957	0.367
100	C17_Biased	2.139	2.257	-0.118
100	C18_Biased	1.942	1.647	0.295
100	C19_Biased	1.496	1.405	0.091
100	C25_Biased	1.783	1.885	-0.102
100	C26_Biased	2.452	2.466	-0.014
100	C31_Biased	1.886	1.781	0.105
100	A107_Unbiased	1.249	1.121	0.129
100	A108_Unbiased	1.991	1.900	0.091
100	A109_Unbiased	2.280	2.219	0.061
100	A110_Unbiased	2.156	2.143	0.013
100	A111_Unbiased	2.314	2.314	0.000
100	A112_Unbiased	2.466	2.405	0.061
100	A113_Unbiased	1.876	1.682	0.195
100	B27_Unbiased	1.963	1.824	0.139
100	B29_Unbiased	2.130	1.978	0.152
100	B30_Unbiased	2.394	2.227	0.167
100	B31_Unbiased	1.993	1.961	0.032
100	B32_Unbiased	1.765	1.656	0.108
100	B33_Unbiased	1.521	1.355	0.166
100	B34_Unbiased	2.382	2.192	0.190
100	B35_Unbiased	2.139	2.101	0.038
100	C32_Unbiased	1.753	1.640	0.112
100	C33_Unbiased	1.874	1.876	-0.002
100	C34_Unbiased	2.064	2.020	0.043
100	C35_Unbiased	1.764	1.745	0.019
100	C36_Unbiased	1.688	1.678	0.010
100	C37_Unbiased	1.672	1.439	0.234
100	C38_Unbiased	1.838	1.905	-0.066
	Max	2.915	2.851	0.064
	Average	1.975	1.873	0.082
	Min	1.196	1.103	0.093
	Std Dev	0.342	0.351	0.118

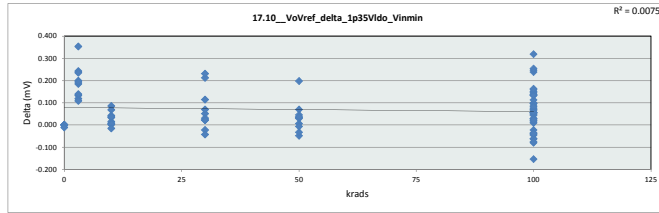


17.9_LineReg_1p35VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mV/V					
Max Limit	6					
Min Limit	-6					
krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.793	1.300	1.322	1.103	1.196	1.121
Average	1.880	1.766	1.840	1.714	1.939	1.925
Max	2.046	2.255	2.187	2.167	2.851	2.579
UL	6.000	6.000	6.000	6.000	6.000	6.000

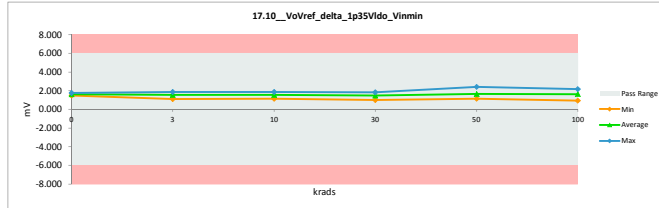


TID 100krad LDR Report
TPS7H3301-SP

17_10_VoVref_delta_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.483	1.483	0.000
3	A79_Biased	1.826	1.641	0.184
3	A80_Biased	1.796	1.663	0.133
3	B1_Biased	1.469	1.350	0.119
3	B2_Biased	1.929	1.730	0.199
3	C1_Biased	1.779	1.640	0.139
3	A82_Unbiased	1.876	1.522	0.354
3	A83_Unbiased	1.712	1.470	0.242
3	B4_Unbiased	2.065	1.871	0.194
3	B5_Unbiased	1.334	1.100	0.234
3	C2_Unbiased	1.526	1.418	0.108
10	A85_Biased	1.958	1.873	0.085
10	A86_Biased	1.553	1.529	0.024
10	B6_Biased	1.707	1.706	0.001
10	C3_Biased	1.714	1.647	0.067
10	C4_Biased	1.809	1.767	0.042
10	A87_Unbiased	1.715	1.441	0.033
10	A88_Unbiased	1.753	1.716	0.036
10	B7_Unbiased	1.584	1.577	0.008
10	C5_Unbiased	1.393	1.388	0.005
10	C6_Unbiased	1.123	1.140	-0.016
0	106_Corr	1.625	1.625	0.000
30	A89_Biased	1.656	1.634	0.021
30	B8_Biased	1.657	1.607	0.050
30	B9_Biased	1.582	1.370	0.212
30	C7_Biased	1.063	0.994	0.069
30	C9_Biased	1.623	1.592	0.030
30	A90_Unbiased	1.800	1.823	-0.023
30	B10_Unbiased	1.297	1.182	0.115
30	B11_Unbiased	1.896	1.665	0.231
30	C11_Unbiased	1.495	1.498	-0.043
30	C12_Unbiased	1.605	1.584	0.021
0	106_Corr	1.629	1.629	0.000
0	15B_Corr	1.762	1.762	0.000
50	A92_Biased	1.215	1.146	0.069
50	A93_Biased	1.630	1.597	0.033
50	B12_Biased	2.050	1.853	0.197
50	B13_Biased	1.176	1.131	0.044
50	C14_Biased	1.531	1.581	-0.050
50	A95_Unbiased	1.786	1.819	-0.033
50	A96_Unbiased	1.270	1.265	0.005
50	B15_Unbiased	2.431	2.402	0.029
50	B16_Unbiased	1.910	1.916	-0.007
50	C15_Unbiased	1.983	1.946	0.037
0	106_Corr	1.625	1.625	-0.011
100	A97_Biased	1.300	1.247	0.053
100	A99_Biased	2.096	2.088	0.008
100	A100_Biased	1.358	1.403	-0.046
100	A101_Biased	1.766	1.766	-0.063
100	A102_Biased	1.889	2.043	-0.154
100	A104_Biased	1.559	1.421	0.138
100	A105_Biased	1.870	1.823	0.047
100	B17_Biased	1.738	1.719	-0.041
100	B18_Biased	2.298	2.148	0.150
100	B19_Biased	1.441	1.412	0.029
100	B20_Biased	1.709	1.390	0.318
100	B21_Biased	2.134	2.157	-0.023
100	B24_Biased	1.550	1.497	0.053
100	B25_Biased	2.006	1.769	0.238
100	B26_Biased	1.273	1.309	-0.036
100	C16_Biased	1.978	1.731	0.246
100	C17_Biased	1.840	1.921	-0.081
100	C18_Biased	1.659	1.406	0.253
100	C19_Biased	1.273	1.203	0.070
100	C25_Biased	1.615	1.678	-0.063
100	C26_Biased	2.089	2.127	-0.038
100	C31_Biased	1.585	1.513	0.072
100	A107_Unbiased	1.025	0.930	0.095
100	A108_Unbiased	1.773	1.674	0.099
100	A109_Unbiased	1.984	1.929	0.055
100	A110_Unbiased	1.876	1.728	0.148
100	A111_Unbiased	2.029	1.962	0.067
100	A112_Unbiased	2.090	1.992	0.098
100	A113_Unbiased	1.489	1.353	0.137
100	B27_Unbiased	1.645	1.560	0.085
100	B29_Unbiased	1.739	1.627	0.113
100	B30_Unbiased	2.019	1.886	0.133
100	B31_Unbiased	1.667	1.625	0.043
100	B32_Unbiased	1.516	1.435	0.081
100	B33_Unbiased	1.354	1.221	0.132
100	B34_Unbiased	2.037	1.878	0.159
100	B35_Unbiased	1.807	1.750	0.057
100	C32_Unbiased	1.551	1.495	0.056
100	C33_Unbiased	1.578	1.557	0.021
100	C34_Unbiased	1.758	1.745	0.013
100	C35_Unbiased	1.588	1.559	0.029
100	C36_Unbiased	1.455	1.433	0.022
100	C37_Unbiased	1.443	1.280	0.163
100	C38_Unbiased	1.568	1.644	-0.076
	Max	2.431	2.402	0.354
	Average	1.627	1.604	0.088
	Min	1.025	0.930	-0.154
	Std Dev	0.279	0.280	0.095

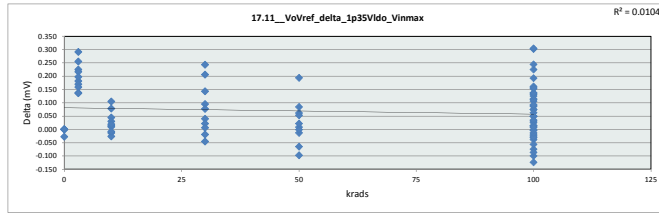


17_10_VoVref_delta_1p35VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
Krads	LL	3	10	30	50	100
	LL	-6.000	-6.000	-6.000	-6.000	-6.000
	Min	1.483	1.100	1.140	0.994	1.131
	Average	1.627	1.541	1.549	1.495	1.666
	Max	1.762	1.871	1.873	1.823	2.402
	UL	6.000	6.000	6.000	6.000	6.000

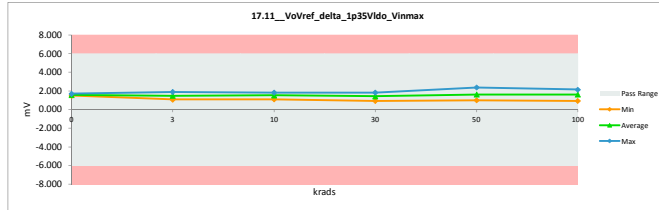


TID 100krad LDR Report
TPS7H3301-SP

17.11_VoVref_delta_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.496	1.496	0.000
3	A79_Biased	1.781	1.556	0.225
3	A80_Biased	1.731	1.549	0.182
3	B1_Biased	1.414	1.276	0.137
3	B2_Biased	1.834	1.617	0.217
3	C1_Biased	1.757	1.587	0.170
3	A82_Unbiased	1.756	1.464	0.292
3	A83_Unbiased	1.639	1.441	0.198
3	B4_Unbiased	2.037	1.878	0.159
3	B5_Unbiased	1.338	1.083	0.255
3	C2_Unbiased	1.406	1.270	0.136
10	A85_Biased	1.920	1.815	0.105
10	A86_Biased	1.540	1.552	-0.013
10	B6_Biased	1.676	1.702	-0.027
10	C3_Biased	1.728	1.650	0.079
10	C4_Biased	1.768	1.724	0.044
10	A87_Unbiased	1.712	1.099	0.013
10	A88_Unbiased	1.731	1.701	0.030
10	B7_Unbiased	1.619	1.609	0.010
10	C5_Unbiased	1.357	1.365	-0.008
10	C6_Unbiased	1.126	1.107	0.019
0	106_Corr	1.524	1.524	0.000
30	A89_Biased	1.556	1.516	0.039
30	B8_Biased	1.603	1.507	0.096
30	B9_Biased	1.559	1.352	0.206
30	C7_Biased	0.996	0.919	0.077
30	C9_Biased	1.528	1.505	0.023
30	A90_Unbiased	1.814	1.807	0.006
30	B10_Unbiased	1.197	1.054	0.143
30	B11_Unbiased	1.888	1.644	0.244
30	C11_Unbiased	1.349	1.394	-0.045
30	C12_Unbiased	1.560	1.578	-0.018
0	106_Corr	1.558	1.558	0.000
0	15B_Corr	1.697	1.697	0.000
50	A92_Biased	1.089	1.004	0.085
50	A93_Biased	1.568	1.560	0.008
50	B12_Biased	1.993	1.799	0.194
50	B13_Biased	1.057	0.996	0.062
50	C14_Biased	1.480	1.546	-0.065
50	A95_Unbiased	1.712	1.725	-0.012
50	A96_Unbiased	1.273	1.274	-0.001
50	B15_Unbiased	2.430	2.377	0.053
50	B16_Unbiased	1.862	1.959	-0.097
50	C15_Unbiased	1.933	1.912	0.021
0	106_Corr	1.524	1.524	-0.028
100	A97_Biased	1.293	1.161	0.132
100	A99_Biased	2.061	2.085	-0.024
100	A100_Biased	1.361	1.379	-0.018
100	A101_Biased	1.729	1.803	-0.074
100	A102_Biased	1.913	2.036	-0.123
100	A104_Biased	1.566	1.451	0.115
100	A105_Biased	1.845	1.795	0.050
100	B17_Biased	1.732	1.770	-0.038
100	B18_Biased	2.274	2.121	0.154
100	B19_Biased	1.321	1.323	-0.002
100	B20_Biased	1.640	1.338	0.302
100	B21_Biased	2.117	2.149	-0.031
100	B24_Biased	1.503	1.490	0.014
100	B25_Biased	1.931	1.705	0.226
100	B26_Biased	1.257	1.286	-0.029
100	C16_Biased	1.938	1.633	0.304
100	C17_Biased	1.781	1.880	-0.099
100	C18_Biased	1.620	1.375	0.244
100	C19_Biased	1.246	1.170	0.075
100	C25_Biased	1.484	1.570	-0.086
100	C26_Biased	2.043	2.056	-0.013
100	C31_Biased	1.575	1.488	0.087
100	A107_Unbiased	1.041	0.934	0.107
100	A108_Unbiased	1.659	1.584	0.075
100	A109_Unbiased	1.901	1.851	0.050
100	A110_Unbiased	1.798	1.787	0.010
100	A111_Unbiased	1.928	1.928	0.000
100	A112_Unbiased	2.056	2.007	0.049
100	A113_Unbiased	1.566	1.404	0.162
100	B27_Unbiased	1.630	1.518	0.112
100	B29_Unbiased	1.774	1.649	0.125
100	B30_Unbiased	1.990	1.853	0.138
100	B31_Unbiased	1.660	1.634	0.025
100	B32_Unbiased	1.470	1.380	0.090
100	B33_Unbiased	1.264	1.127	0.137
100	B34_Unbiased	1.979	1.822	0.157
100	B35_Unbiased	1.776	1.745	0.032
100	C32_Unbiased	1.457	1.364	0.093
100	C33_Unbiased	1.560	1.563	-0.003
100	C34_Unbiased	1.717	1.682	0.035
100	C35_Unbiased	1.466	1.451	0.015
100	C36_Unbiased	1.408	1.400	0.008
100	C37_Unbiased	1.389	1.196	0.193
100	C38_Unbiased	1.531	1.587	-0.056
	Max	2.430	2.377	0.304
	Average	1.627	1.560	0.067
	Min	0.996	0.919	-0.123
	Std Dev	0.284	0.292	0.098

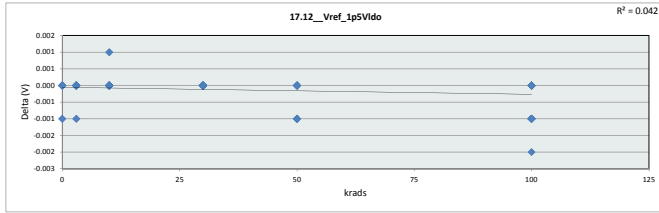


17.11_VoVref_delta_1p35VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
Krads	LL	3	10	30	50	100
	LL	-6.000	-6.000	-6.000	-6.000	-6.000
	Min	1.496	1.083	1.099	0.919	0.996
	Average	1.565	1.472	1.532	1.428	1.615
	Max	1.698	1.878	1.815	1.807	2.377
	UL	6.000	6.000	6.000	6.000	6.000

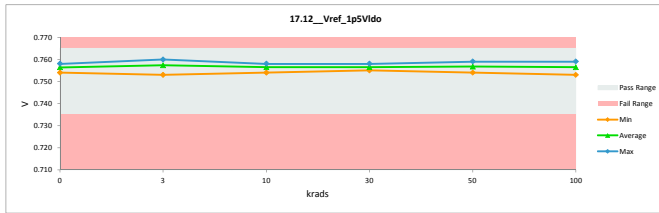


TID 100krad LDR Report
TPS7H3301-SP

17.12_Vref_1p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.735	0.735		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.758	0.758	0.000
3	A79_Biased	0.759	0.760	-0.001
3	A80_Biased	0.758	0.758	0.000
3	B1_Biased	0.758	0.758	0.000
3	B2_Biased	0.753	0.753	0.000
3	C1_Biased	0.756	0.756	0.000
3	A82_Unbiased	0.758	0.758	0.000
3	A83_Unbiased	0.759	0.759	0.000
3	B4_Unbiased	0.757	0.757	0.000
3	B5_Unbiased	0.756	0.756	0.000
3	C2_Unbiased	0.758	0.758	0.000
10	A85_Biased	0.755	0.754	0.001
10	A86_Biased	0.757	0.757	0.000
10	B6_Biased	0.758	0.758	0.000
10	C3_Biased	0.757	0.757	0.000
10	C4_Biased	0.758	0.758	0.000
10	A87_Unbiased	0.755	0.755	0.000
10	A88_Unbiased	0.758	0.758	0.000
10	B7_Unbiased	0.756	0.756	0.000
10	C5_Unbiased	0.758	0.758	0.000
10	C6_Unbiased	0.754	0.754	0.000
0	106_Corr	0.756	0.756	0.000
30	A89_Biased	0.756	0.756	0.000
30	B8_Biased	0.758	0.758	0.000
30	B9_Biased	0.756	0.756	0.000
30	C7_Biased	0.756	0.756	0.000
30	C9_Biased	0.756	0.756	0.000
30	A90_Unbiased	0.758	0.758	0.000
30	B10_Unbiased	0.755	0.755	0.000
30	B11_Unbiased	0.757	0.757	0.000
30	C11_Unbiased	0.757	0.757	0.000
30	C12_Unbiased	0.756	0.756	0.000
0	106_Corr	0.757	0.757	0.000
0	15B_Corr	0.754	0.754	0.000
50	A92_Biased	0.757	0.758	-0.001
50	A93_Biased	0.757	0.757	0.000
50	B12_Biased	0.755	0.755	0.000
50	B13_Biased	0.755	0.756	-0.001
50	C14_Biased	0.756	0.757	-0.001
50	A95_Unbiased	0.754	0.754	0.000
50	A96_Unbiased	0.757	0.757	0.000
50	B15_Unbiased	0.758	0.758	0.000
50	B16_Unbiased	0.756	0.756	0.000
50	C15_Unbiased	0.758	0.759	-0.001
0	106_Corr	0.757	0.757	0.000
100	A97_Biased	0.756	0.756	0.000
100	A99_Biased	0.757	0.757	0.000
100	A100_Biased	0.753	0.754	-0.001
100	A101_Biased	0.757	0.757	0.000
100	A102_Biased	0.758	0.758	0.000
100	A104_Biased	0.757	0.757	0.000
100	A105_Biased	0.755	0.755	0.000
100	B17_Biased	0.757	0.757	0.000
100	B18_Biased	0.753	0.753	0.000
100	B19_Biased	0.755	0.755	0.000
100	B20_Biased	0.757	0.757	0.000
100	B21_Biased	0.757	0.757	0.000
100	B24_Biased	0.754	0.755	-0.001
100	B25_Biased	0.756	0.756	0.000
100	B26_Biased	0.753	0.753	0.000
100	C16_Biased	0.758	0.758	0.000
100	C17_Biased	0.757	0.757	0.000
100	C18_Biased	0.758	0.758	0.000
100	C19_Biased	0.756	0.756	0.000
100	C25_Biased	0.756	0.757	-0.001
100	C26_Biased	0.757	0.758	-0.001
100	C31_Biased	0.758	0.759	-0.001
100	A107_Unbiased	0.756	0.757	-0.001
100	A108_Unbiased	0.757	0.757	0.000
100	A109_Unbiased	0.758	0.758	0.000
100	A110_Unbiased	0.758	0.758	0.000
100	A111_Unbiased	0.757	0.757	0.000
100	A112_Unbiased	0.758	0.758	0.000
100	A113_Unbiased	0.758	0.758	0.000
100	B27_Unbiased	0.754	0.756	-0.002
100	B29_Unbiased	0.757	0.757	0.000
100	B30_Unbiased	0.756	0.756	0.000
100	B31_Unbiased	0.756	0.757	-0.001
100	B32_Unbiased	0.757	0.757	0.000
100	B33_Unbiased	0.755	0.755	0.000
100	B34_Unbiased	0.756	0.756	0.000
100	B35_Unbiased	0.755	0.755	0.000
100	C32_Unbiased	0.755	0.755	0.000
100	C33_Unbiased	0.756	0.757	-0.001
100	C34_Unbiased	0.756	0.756	0.000
100	C35_Unbiased	0.755	0.755	0.000
100	C36_Unbiased	0.757	0.758	-0.001
100	C37_Unbiased	0.755	0.755	0.000
100	C38_Unbiased	0.757	0.757	0.000
	Max	0.760	0.760	0.001
	Average	0.756	0.757	0.000
	Min	0.753	0.753	-0.002
	Std Dev	0.001	0.001	0.000

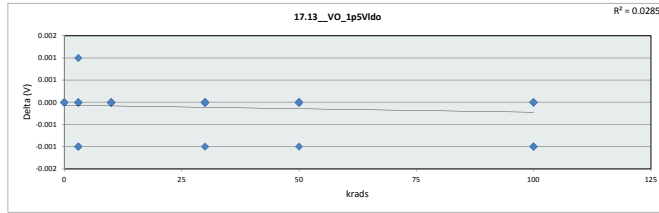


17.12_Vref_1p5Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.735	V				
Krads	LL	3	10	30	50	100
	0.735	0.735	0.735	0.735	0.735	0.735
	0.754	0.753	0.754	0.755	0.754	0.753
	0.756	0.757	0.757	0.757	0.757	0.756
	0.758	0.760	0.758	0.758	0.759	0.759
	0.765	0.765	0.765	0.765	0.765	0.765

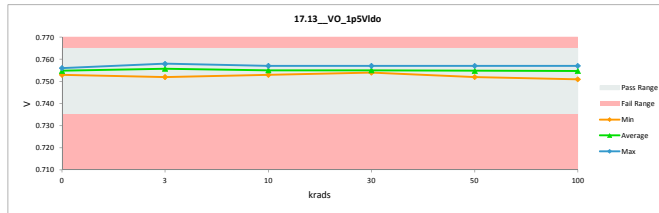


TID 100krad LDR Report
TPS7H3301-SP

17.13_VO_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.735	0.735		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.756	0.756	0.000
3	A79_Biased	0.758	0.758	0.000
3	A80_Biased	0.756	0.756	0.000
3	B1_Biased	0.757	0.756	0.001
3	B2_Biased	0.751	0.752	-0.001
3	C1_Biased	0.754	0.755	-0.001
3	A82_Unbiased	0.756	0.756	0.000
3	A83_Unbiased	0.757	0.757	0.000
3	B4_Unbiased	0.755	0.755	0.000
3	B5_Unbiased	0.755	0.755	0.000
3	C2_Unbiased	0.756	0.757	-0.001
10	A85_Biased	0.753	0.753	0.000
10	A86_Biased	0.755	0.755	0.000
10	B6_Biased	0.757	0.757	0.000
10	C3_Biased	0.755	0.755	0.000
10	C4_Biased	0.756	0.756	0.000
10	A87_Unbiased	0.754	0.754	0.000
10	A88_Unbiased	0.757	0.757	0.000
10	B7_Unbiased	0.754	0.754	0.000
10	C5_Unbiased	0.756	0.756	0.000
10	C6_Unbiased	0.753	0.753	0.000
0	106_Corr	0.755	0.755	0.000
30	A89_Biased	0.754	0.754	0.000
30	B8_Biased	0.757	0.757	0.000
30	B9_Biased	0.754	0.754	0.000
30	C7_Biased	0.755	0.755	0.000
30	C9_Biased	0.754	0.754	0.000
30	A90_Unbiased	0.756	0.756	0.000
30	B10_Unbiased	0.754	0.754	0.000
30	B11_Unbiased	0.755	0.756	-0.001
30	C11_Unbiased	0.755	0.755	0.000
30	C12_Unbiased	0.755	0.755	0.000
0	106_Corr	0.755	0.755	0.000
0	15B_Corr	0.753	0.753	0.000
50	A92_Biased	0.756	0.756	0.000
50	A93_Biased	0.756	0.756	0.000
50	B12_Biased	0.753	0.753	0.000
50	B13_Biased	0.754	0.754	0.000
50	C14_Biased	0.755	0.755	0.000
50	A95_Unbiased	0.752	0.752	0.000
50	A96_Unbiased	0.755	0.755	0.000
50	B15_Unbiased	0.756	0.756	0.000
50	B16_Unbiased	0.754	0.754	0.000
50	C15_Unbiased	0.756	0.757	-0.001
0	106_Corr	0.755	0.755	0.000
100	A97_Biased	0.755	0.755	0.000
100	A99_Biased	0.755	0.755	0.000
100	A100_Biased	0.752	0.752	0.000
100	A101_Biased	0.755	0.755	0.000
100	A102_Biased	0.756	0.756	0.000
100	A104_Biased	0.755	0.755	0.000
100	A105_Biased	0.753	0.753	0.000
100	B17_Biased	0.755	0.755	0.000
100	B18_Biased	0.751	0.751	0.000
100	B19_Biased	0.753	0.753	0.000
100	B20_Biased	0.755	0.756	-0.001
100	B21_Biased	0.755	0.755	0.000
100	B24_Biased	0.753	0.753	0.000
100	B25_Biased	0.754	0.754	0.000
100	B26_Biased	0.752	0.752	0.000
100	C16_Biased	0.756	0.756	0.000
100	C17_Biased	0.755	0.755	0.000
100	C18_Biased	0.756	0.757	-0.001
100	C19_Biased	0.755	0.755	0.000
100	C25_Biased	0.755	0.755	0.000
100	C26_Biased	0.755	0.755	0.000
100	C31_Biased	0.757	0.757	0.000
100	A107_Unbiased	0.755	0.756	-0.001
100	A108_Unbiased	0.755	0.756	-0.001
100	A109_Unbiased	0.756	0.756	0.000
100	A110_Unbiased	0.756	0.756	0.000
100	A111_Unbiased	0.755	0.755	0.000
100	A112_Unbiased	0.756	0.756	0.000
100	A113_Unbiased	0.756	0.756	0.000
100	B27_Unbiased	0.753	0.754	-0.001
100	B29_Unbiased	0.755	0.755	0.000
100	B30_Unbiased	0.754	0.754	0.000
100	B31_Unbiased	0.755	0.755	0.000
100	B32_Unbiased	0.755	0.755	0.000
100	B33_Unbiased	0.753	0.754	-0.001
100	B34_Unbiased	0.753	0.754	-0.001
100	B35_Unbiased	0.753	0.753	0.000
100	C32_Unbiased	0.754	0.754	0.000
100	C33_Unbiased	0.755	0.755	0.000
100	C34_Unbiased	0.754	0.755	-0.001
100	C35_Unbiased	0.754	0.754	0.000
100	C36_Unbiased	0.756	0.756	0.000
100	C37_Unbiased	0.753	0.754	-0.001
100	C38_Unbiased	0.755	0.755	0.000
	Max	0.758	0.758	0.001
	Average	0.755	0.755	0.000
	Min	0.751	0.751	-0.001
	Std Dev	0.001	0.001	0.000

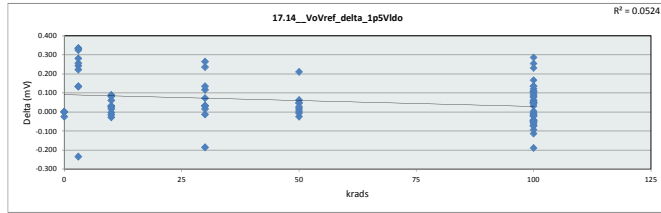


17.13_VO_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.735	V				
Krads	0	3	10	30	50	100
LL	0.735	0.735	0.735	0.735	0.735	0.735
Min	0.753	0.752	0.753	0.754	0.752	0.751
Average	0.755	0.756	0.755	0.755	0.755	0.755
Max	0.756	0.758	0.757	0.757	0.757	0.757
UL	0.765	0.765	0.765	0.765	0.765	0.765

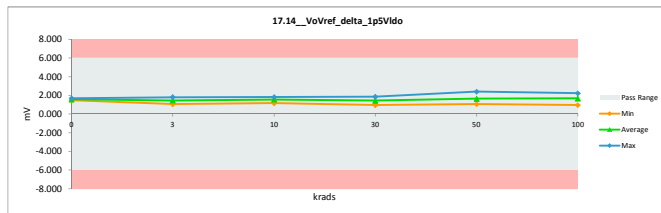


TID 100krad LDR Report
TPS7H3301-SP

17.14_VoVref_delta_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.491	1.491	0.000
3	A79_Biased	1.723	1.387	0.336
3	A80_Biased	1.717	1.583	0.134
3	B1_Biased	1.070	1.304	-0.234
3	B2_Biased	1.920	1.676	0.244
3	C1_Biased	1.847	1.591	0.256
3	A82_Unbiased	1.808	1.472	0.336
3	A83_Unbiased	1.693	1.470	0.223
3	B4_Unbiased	2.089	1.808	0.281
3	B5_Unbiased	1.399	1.075	0.325
3	C2_Unbiased	1.426	1.291	0.136
10	A85_Biased	1.929	1.839	0.090
10	A86_Biased	1.598	1.571	0.026
10	B6_Biased	1.683	1.710	-0.028
10	C3_Biased	1.746	1.665	0.081
10	C4_Biased	1.792	1.761	0.031
10	A87_Unbiased	1.192	1.160	0.032
10	A88_Unbiased	1.777	1.716	0.061
10	B7_Unbiased	1.706	1.691	0.015
10	C5_Unbiased	1.398	1.401	-0.003
10	C6_Unbiased	1.150	1.164	-0.014
0	106_Corr	1.568	1.568	0.000
30	A89_Biased	1.643	1.609	0.034
30	B8_Biased	1.635	1.519	0.116
30	B9_Biased	1.645	1.409	0.237
30	C7_Biased	1.047	0.974	0.073
30	C9_Biased	1.612	1.582	0.030
30	A90_Unbiased	1.834	1.847	-0.014
30	B10_Unbiased	1.242	1.106	0.136
30	B11_Unbiased	1.877	1.612	0.265
30	C11_Unbiased	1.345	1.331	-0.186
30	C12_Unbiased	1.662	1.646	0.016
0	106_Corr	1.600	1.600	0.000
0	15B_Corr	1.676	1.676	0.000
50	A92_Biased	1.719	1.069	0.650
50	A93_Biased	1.627	1.580	0.046
50	B12_Biased	2.069	1.858	0.211
50	B13_Biased	1.123	1.060	0.063
50	C14_Biased	1.554	1.579	-0.025
50	A95_Unbiased	1.719	1.725	-0.005
50	A96_Unbiased	1.287	1.287	0.000
50	B15_Unbiased	2.433	2.422	0.011
50	B16_Unbiased	1.945	1.925	0.020
50	C15_Unbiased	1.979	1.951	0.028
0	106_Corr	1.598	1.598	-0.025
100	A97_Biased	1.376	1.384	-0.008
100	A99_Biased	2.099	2.115	-0.016
100	A100_Biased	1.446	1.396	0.051
100	A101_Biased	1.742	1.815	-0.073
100	A102_Biased	1.946	2.136	-0.189
100	A104_Biased	1.577	1.456	0.121
100	A105_Biased	1.910	1.879	0.031
100	B17_Biased	1.733	1.784	-0.051
100	B18_Biased	2.239	2.229	0.110
100	B19_Biased	1.377	1.396	-0.019
100	B20_Biased	1.628	1.342	0.287
100	B21_Biased	2.155	2.195	-0.041
100	B24_Biased	1.543	1.550	-0.007
100	B25_Biased	2.013	1.846	0.167
100	B26_Biased	1.343	1.401	-0.058
100	C16_Biased	1.978	1.724	0.254
100	C17_Biased	1.812	1.926	-0.114
100	C18_Biased	1.682	1.452	0.230
100	C19_Biased	1.359	1.302	0.057
100	C25_Biased	1.553	1.627	-0.073
100	C26_Biased	2.066	2.160	-0.093
100	C31_Biased	1.600	1.646	-0.046
100	A107_Unbiased	1.065	0.956	0.109
100	A108_Unbiased	1.687	1.591	0.096
100	A109_Unbiased	1.947	1.942	0.005
100	A110_Unbiased	1.814	1.867	-0.054
100	A111_Unbiased	2.043	1.943	0.100
100	A112_Unbiased	2.040	2.108	-0.069
100	A113_Unbiased	1.602	1.523	0.079
100	B27_Unbiased	1.633	1.679	-0.046
100	B29_Unbiased	1.781	1.671	0.110
100	B30_Unbiased	2.044	1.993	0.051
100	B31_Unbiased	1.719	1.657	0.062
100	B32_Unbiased	1.467	1.413	0.053
100	B33_Unbiased	1.344	1.258	0.086
100	B34_Unbiased	2.065	1.927	0.138
100	B35_Unbiased	1.865	1.785	0.080
100	C32_Unbiased	1.527	1.482	0.045
100	C33_Unbiased	1.614	1.572	0.042
100	C34_Unbiased	1.801	1.820	-0.019
100	C35_Unbiased	1.559	1.581	-0.022
100	C36_Unbiased	1.455	1.498	-0.042
100	C37_Unbiased	1.433	1.298	0.135
100	C38_Unbiased	1.573	1.622	-0.050
	Max	2.433	2.422	0.336
	Average	1.644	1.610	0.054
	Min	1.047	0.956	-0.234
	Std Dev	0.290	0.293	0.115

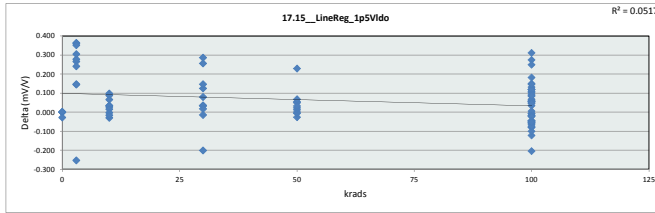


17.14_VoVref_delta_1p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.491	1.075	1.160	0.974	1.060	0.956
Average	1.586	1.466	1.568	1.464	1.645	1.681
Max	1.677	1.808	1.839	1.847	2.422	2.229
UL	6.000	6.000	6.000	6.000	6.000	6.000

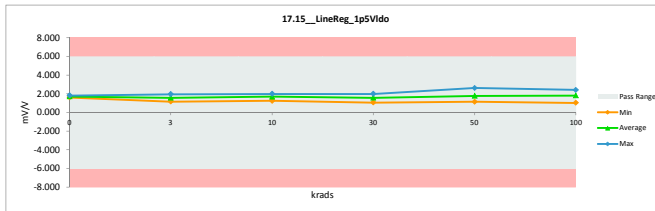


TID 100krad LDR Report
TPS7H3301-SP

17.15_LineReg_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.610	1.610	0.000
3	A79_Biased	1.856	1.494	0.362
3	A80_Biased	1.854	1.709	0.145
3	B1_Biased	1.155	1.407	-0.252
3	B2_Biased	2.086	1.820	0.266
3	C1_Biased	1.998	1.721	0.278
3	A82_Unbiased	1.953	1.589	0.363
3	A83_Unbiased	1.826	1.585	0.242
3	B4_Unbiased	2.260	1.955	0.305
3	B5_Unbiased	1.513	1.161	0.352
3	C2_Unbiased	1.540	1.393	0.147
10	A85_Biased	2.092	1.994	0.098
10	A86_Biased	1.727	1.499	0.028
10	B6_Biased	1.816	1.846	-0.030
10	C3_Biased	1.888	1.800	0.088
10	C4_Biased	1.935	1.901	0.034
10	A87_Unbiased	1.291	1.256	0.035
10	A88_Unbiased	1.917	1.852	0.066
10	B7_Unbiased	1.846	1.830	0.016
10	C5_Unbiased	1.510	1.513	-0.003
10	C6_Unbiased	1.246	1.261	-0.015
0	106_Corr	1.626	1.626	0.000
30	A89_Biased	1.779	1.742	0.037
30	B8_Biased	1.764	1.638	0.126
30	B9_Biased	1.781	1.525	0.257
30	C7_Biased	1.132	1.053	0.079
30	C9_Biased	1.745	1.712	0.033
30	A90_Unbiased	1.980	1.995	-0.015
30	B10_Unbiased	1.345	1.197	0.147
30	B11_Unbiased	2.029	1.742	0.287
30	C11_Unbiased	1.439	-0.201	1.640
30	C12_Unbiased	1.798	1.781	0.018
0	106_Corr	1.731	1.731	0.000
0	15B_Corr	1.819	1.819	0.000
50	A92_Biased	1.207	1.153	0.054
50	A93_Biased	1.757	1.707	0.050
50	B12_Biased	2.243	2.013	0.230
50	B13_Biased	1.215	1.147	0.068
50	C14_Biased	1.681	1.707	-0.026
50	A95_Unbiased	1.866	1.872	-0.006
50	A96_Unbiased	1.390	1.390	0.000
50	B15_Unbiased	2.628	2.616	0.013
50	B16_Unbiased	2.107	2.085	0.022
50	C15_Unbiased	2.138	2.105	0.033
0	106_Corr	1.626	1.626	0.000
100	A97_Biased	1.489	1.497	-0.008
100	A99_Biased	2.270	2.287	-0.017
100	A100_Biased	1.570	1.515	0.056
100	A101_Biased	1.882	1.962	-0.079
100	A102_Biased	2.103	2.306	-0.204
100	A104_Biased	1.705	1.573	0.132
100	A105_Biased	2.071	2.037	0.034
100	B17_Biased	1.874	1.928	-0.054
100	B18_Biased	2.544	2.423	0.121
100	B19_Biased	1.493	1.512	-0.020
100	B20_Biased	1.760	1.449	0.311
100	B21_Biased	2.329	2.373	-0.044
100	B24_Biased	1.673	1.680	-0.007
100	B25_Biased	2.181	1.999	0.182
100	B26_Biased	1.458	1.521	-0.063
100	C16_Biased	2.137	1.861	0.275
100	C17_Biased	1.960	2.082	-0.122
100	C18_Biased	1.817	1.566	0.250
100	C19_Biased	1.470	1.408	0.062
100	C25_Biased	1.681	1.759	-0.079
100	C26_Biased	2.234	2.334	-0.100
100	C31_Biased	1.725	1.775	-0.049
100	A107_Unbiased	1.151	1.032	0.118
100	A108_Unbiased	1.824	1.719	0.105
100	A109_Unbiased	2.103	2.097	0.006
100	A110_Unbiased	1.959	2.017	-0.058
100	A111_Unbiased	2.039	2.101	0.109
100	A112_Unbiased	2.203	2.276	-0.073
100	A113_Unbiased	1.730	1.644	0.085
100	B27_Unbiased	1.771	1.817	-0.047
100	B29_Unbiased	1.925	1.806	0.119
100	B30_Unbiased	2.214	2.158	0.056
100	B31_Unbiased	1.859	1.791	0.069
100	B32_Unbiased	1.586	1.528	0.058
100	B33_Unbiased	1.457	1.362	0.094
100	B34_Unbiased	2.037	2.088	0.150
100	B35_Unbiased	2.022	1.935	0.087
100	C32_Unbiased	1.654	1.605	0.049
100	C33_Unbiased	1.746	1.699	0.046
100	C34_Unbiased	1.949	1.969	-0.020
100	C35_Unbiased	1.689	1.712	-0.023
100	C36_Unbiased	1.572	1.617	-0.045
100	C37_Unbiased	1.553	1.405	0.148
100	C38_Unbiased	1.701	1.754	-0.053
	Max	2.628	2.616	0.363
	Average	1.800	1.741	0.059
	Min	1.132	1.032	-0.252
	Std Dev	0.314	0.317	0.124

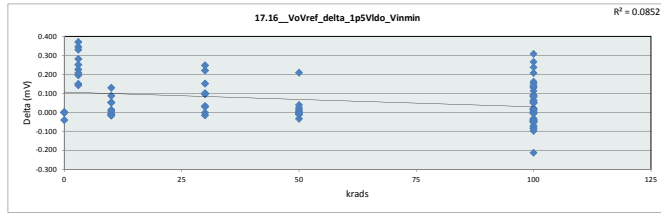


17.15_LineReg_1p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV/V				
Min Limit	-6	mV/V				
krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.610	1.162	1.256	1.053	1.147	1.032
Average	1.716	1.583	1.695	1.582	1.780	1.818
Max	1.819	1.955	1.994	1.995	2.616	2.423
UL	6.000	6.000	6.000	6.000	6.000	6.000

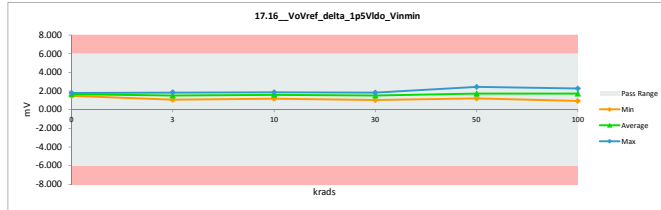


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17.16_VoVref_delta_1p5VIdo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.467	1.467	0.000
3	A79_Biased	1.786	1.441	0.345
3	A80_Biased	1.870	1.674	0.195
3	B1_Biased	1.494	1.352	0.143
3	B2_Biased	2.009	1.758	0.251
3	C1_Biased	1.878	1.651	0.226
3	A82_Unbiased	1.910	1.540	0.370
3	A83_Unbiased	1.672	1.466	0.207
3	B4_Unbiased	2.122	1.841	0.281
3	B5_Unbiased	1.388	1.058	0.330
3	C2_Unbiased	1.576	1.427	0.149
10	A85_Biased	1.980	1.850	0.130
10	A86_Biased	1.975	1.842	0.013
10	B6_Biased	1.719	1.736	-0.017
10	C3_Biased	1.753	1.665	0.088
10	C4_Biased	1.857	1.804	0.052
10	A87_Unbiased	1.222	1.233	-0.011
10	A88_Unbiased	1.799	1.747	0.052
10	B7_Unbiased	1.660	1.667	-0.006
10	C5_Unbiased	1.438	1.432	0.006
10	C6_Unbiased	1.159	1.173	-0.014
0	106_Corr	1.655	1.655	0.000
30	A89_Biased	1.724	1.695	0.029
30	B8_Biased	1.717	1.621	0.096
30	B9_Biased	1.631	1.411	0.220
30	C7_Biased	1.138	1.038	0.100
30	C9_Biased	1.696	1.664	0.031
30	A90_Unbiased	1.826	1.829	-0.003
30	B10_Unbiased	1.369	1.217	0.151
30	B11_Unbiased	1.893	1.645	0.248
30	C11_Unbiased	1.502	1.518	-0.016
30	C12_Unbiased	1.668	1.638	0.031
0	106_Corr	1.661	1.661	0.000
0	15B_Corr	1.784	1.784	0.000
50	A92_Biased	1.201	1.196	0.005
50	A93_Biased	1.650	1.637	0.013
50	B12_Biased	2.130	1.921	0.208
50	B13_Biased	1.234	1.196	0.038
50	C14_Biased	1.615	1.622	-0.007
50	A95_Unbiased	1.803	1.838	-0.035
50	A96_Unbiased	1.266	1.268	-0.002
50	B15_Unbiased	2.455	2.431	0.024
50	B16_Unbiased	1.993	2.005	-0.012
50	C15_Unbiased	1.998	2.005	-0.007
0	106_Corr	1.655	1.655	0.000
100	A97_Biased	1.368	1.401	-0.033
100	A99_Biased	2.095	2.134	-0.039
100	A100_Biased	1.486	1.428	0.058
100	A101_Biased	1.691	1.774	-0.083
100	A102_Biased	1.933	2.146	-0.212
100	A104_Biased	1.553	1.424	0.129
100	A105_Biased	1.930	1.929	0.001
100	B17_Biased	1.766	1.813	-0.046
100	B18_Biased	2.378	2.265	0.113
100	B19_Biased	1.479	1.458	0.021
100	B20_Biased	1.686	1.378	0.309
100	B21_Biased	2.131	2.186	-0.054
100	B24_Biased	1.551	1.556	-0.005
100	B25_Biased	2.070	1.909	0.161
100	B26_Biased	1.347	1.423	-0.076
100	C16_Biased	2.033	1.768	0.266
100	C17_Biased	1.872	1.944	-0.072
100	C18_Biased	1.716	1.508	0.207
100	C19_Biased	1.363	1.346	0.018
100	C25_Biased	1.688	1.736	-0.048
100	C26_Biased	2.137	2.224	-0.087
100	C31_Biased	1.601	1.647	-0.046
100	A107_Unbiased	1.059	0.925	0.135
100	A108_Unbiased	1.766	1.613	0.153
100	A109_Unbiased	2.006	1.993	0.013
100	A110_Unbiased	1.935	1.974	-0.039
100	A111_Unbiased	1.990	1.994	-0.004
100	A112_Unbiased	2.114	2.097	0.017
100	A113_Unbiased	1.528	1.448	0.080
100	B27_Unbiased	1.642	1.740	-0.099
100	B29_Unbiased	1.750	1.659	0.090
100	B30_Unbiased	2.084	2.031	0.053
100	B31_Unbiased	1.707	1.657	0.051
100	B32_Unbiased	1.529	1.465	0.064
100	B33_Unbiased	1.421	1.332	0.089
100	B34_Unbiased	2.121	1.990	0.141
100	B35_Unbiased	1.871	1.787	0.084
100	C32_Unbiased	1.607	1.600	0.007
100	C33_Unbiased	1.631	1.583	0.048
100	C34_Unbiased	1.854	1.859	-0.005
100	C35_Unbiased	1.671	1.653	0.017
100	C36_Unbiased	1.493	1.542	-0.049
100	C37_Unbiased	1.640	1.402	0.238
100	C38_Unbiased	1.627	1.669	-0.042
	Max	2.455	2.431	0.024
	Average	1.714	1.653	0.061
	Min	1.059	0.925	0.135
	Std Dev	0.276	0.288	0.113

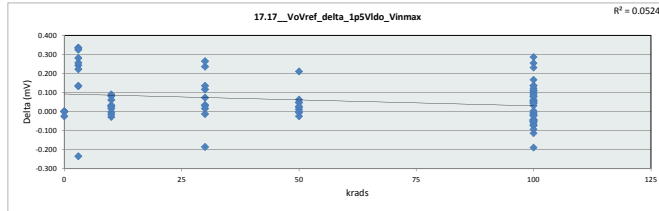


17.16_VoVref_delta_1p5VIdo_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
Krads	LL	3	10	30	50	100
	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
	1.467	1.058	1.173	1.038	1.196	0.925
	1.652	1.521	1.587	1.528	1.712	1.714
	1.784	1.841	1.850	1.829	2.431	2.265
	6.000	6.000	6.000	6.000	6.000	6.000

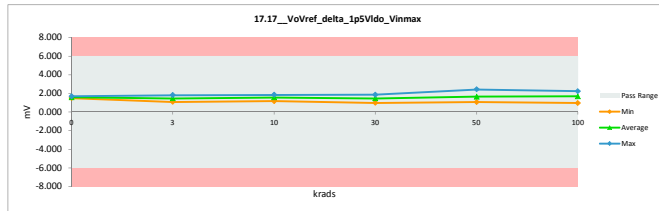


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17.17_VoVref_delta_1p5Vido_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.491	1.491	0.000
3	A79_Biased	1.723	1.387	0.336
3	A80_Unbiased	1.717	1.583	0.134
3	B1_Biased	1.070	1.304	-0.234
3	B2_Biased	1.920	1.676	0.244
3	C1_Biased	1.847	1.591	0.256
3	A82_Unbiased	1.808	1.472	0.336
3	A83_Unbiased	1.693	1.470	0.223
3	B4_Unbiased	2.089	1.808	0.281
3	B5_Unbiased	1.399	1.075	0.325
3	C2_Unbiased	1.426	1.291	0.136
10	A85_Biased	1.929	1.839	0.090
10	A86_Biased	1.598	1.571	0.026
10	B6_Biased	1.683	1.710	-0.028
10	C3_Biased	1.746	1.665	0.081
10	C4_Biased	1.792	1.761	0.031
10	A87_Unbiased	1.192	1.160	0.032
10	A88_Unbiased	1.777	1.716	0.061
10	B7_Unbiased	1.706	1.691	0.015
10	C5_Unbiased	1.398	1.401	-0.003
10	C6_Unbiased	1.150	1.164	-0.014
0	106_Corr	1.568	1.568	0.000
30	A89_Biased	1.643	1.609	0.034
30	B8_Biased	1.635	1.519	0.116
30	B9_Biased	1.645	1.409	0.237
30	C7_Biased	1.047	0.974	0.073
30	C9_Biased	1.612	1.582	0.030
30	A90_Unbiased	1.834	1.847	-0.014
30	B10_Unbiased	1.242	1.106	0.136
30	B11_Unbiased	1.877	1.612	0.265
30	C11_Unbiased	1.345	1.331	-0.186
30	C12_Unbiased	1.662	1.646	0.016
0	106_Corr	1.600	1.600	0.000
0	15B_Corr	1.676	1.676	0.000
50	A92_Biased	1.719	1.069	0.650
50	A93_Biased	1.627	1.580	0.046
50	B12_Biased	2.069	1.858	0.211
50	B13_Biased	1.123	1.060	0.063
50	C14_Biased	1.554	1.579	-0.025
50	A95_Unbiased	1.719	1.725	-0.005
50	A96_Unbiased	1.287	1.287	0.000
50	B15_Unbiased	2.433	2.422	0.011
50	B16_Unbiased	1.945	1.925	0.020
50	C15_Unbiased	1.979	1.951	0.028
0	106_Corr	1.598	1.598	-0.025
100	A97_Biased	1.376	1.384	-0.008
100	A99_Biased	2.099	2.115	-0.016
100	A100_Biased	1.446	1.396	0.051
100	A101_Biased	1.742	1.815	-0.073
100	A102_Biased	1.946	2.136	-0.189
100	A104_Biased	1.577	1.456	0.121
100	A105_Biased	1.910	1.879	0.031
100	B17_Biased	1.733	1.784	-0.051
100	B18_Biased	2.239	2.229	0.110
100	B19_Biased	1.377	1.396	-0.019
100	B20_Biased	1.628	1.342	0.287
100	B21_Biased	2.155	2.195	-0.041
100	B24_Biased	1.543	1.550	-0.007
100	B25_Biased	2.013	1.846	0.167
100	B26_Biased	1.343	1.401	-0.058
100	C16_Biased	1.978	1.724	0.254
100	C17_Biased	1.812	1.926	-0.114
100	C18_Biased	1.682	1.452	0.230
100	C19_Biased	1.359	1.302	0.057
100	C25_Biased	1.553	1.627	-0.073
100	C26_Biased	2.066	2.160	-0.093
100	C31_Biased	1.600	1.646	-0.046
100	A107_Unbiased	1.065	0.956	0.109
100	A108_Unbiased	1.687	1.591	0.096
100	A109_Unbiased	1.947	1.942	0.005
100	A110_Unbiased	1.814	1.867	-0.054
100	A111_Unbiased	2.043	1.943	0.100
100	A112_Unbiased	2.040	2.108	-0.069
100	A113_Unbiased	1.602	1.523	0.079
100	B27_Unbiased	1.633	1.679	-0.046
100	B29_Unbiased	1.781	1.671	0.110
100	B30_Unbiased	2.044	1.993	0.051
100	B31_Unbiased	1.719	1.657	0.062
100	B32_Unbiased	1.467	1.413	0.053
100	B33_Unbiased	1.344	1.258	0.086
100	B34_Unbiased	2.065	1.927	0.138
100	B35_Unbiased	1.865	1.785	0.080
100	C32_Unbiased	1.527	1.482	0.045
100	C33_Unbiased	1.614	1.572	0.042
100	C34_Unbiased	1.801	1.820	-0.019
100	C35_Unbiased	1.559	1.581	-0.022
100	C36_Unbiased	1.455	1.498	-0.042
100	C37_Unbiased	1.433	1.298	0.135
100	C38_Unbiased	1.573	1.622	-0.050
	Max	2.433	2.422	0.336
	Average	1.644	1.610	0.054
	Min	1.047	0.956	-0.234
	Std Dev	0.290	0.293	0.115



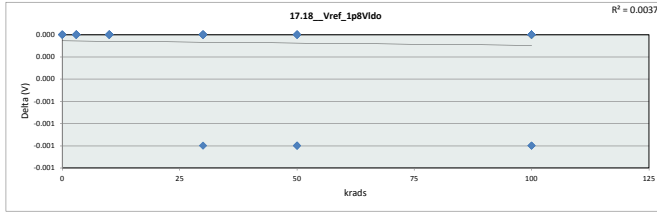
17.17_VoVref_delta_1p5Vido_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.491	1.075	1.160	0.974	1.060	0.956
Average	1.586	1.466	1.568	1.464	1.645	1.681
Max	1.677	1.808	1.839	1.847	2.422	2.229
UL	6.000	6.000	6.000	6.000	6.000	6.000



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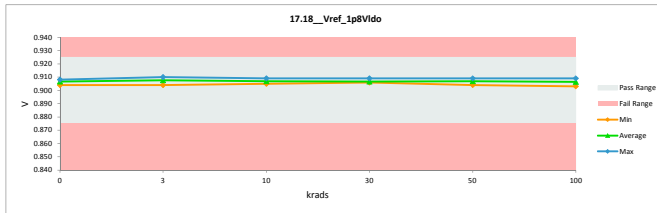
17.18_Vref_1p8VIdo			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.925	0.925	
Min Limit	0.875	0.875	

Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.908	0.908	0.000
3	A79_Biased	0.910	0.910	0.000
3	A80_Biased	0.908	0.908	0.000
3	B1_Biased	0.908	0.908	0.000
3	B2_Biased	0.904	0.904	0.000
3	C1_Biased	0.907	0.907	0.000
3	A82_Unbiased	0.908	0.908	0.000
3	A83_Unbiased	0.909	0.909	0.000
3	B4_Unbiased	0.907	0.907	0.000
3	B5_Unbiased	0.906	0.906	0.000
3	C2_Unbiased	0.908	0.908	0.000
10	A85_Biased	0.905	0.905	0.000
10	A86_Biased	0.907	0.907	0.000
10	B6_Biased	0.908	0.908	0.000
10	C3_Biased	0.907	0.907	0.000
10	C4_Biased	0.908	0.908	0.000
10	A87_Unbiased	0.905	0.905	0.000
10	A88_Unbiased	0.909	0.909	0.000
10	B7_Unbiased	0.906	0.906	0.000
10	C5_Unbiased	0.908	0.908	0.000
10	C6_Unbiased	0.905	0.905	0.000
0	106_Corr	0.907	0.907	0.000
30	A89_Biased	0.906	0.906	0.000
30	B8_Biased	0.908	0.909	-0.001
30	B9_Biased	0.906	0.906	0.000
30	C7_Biased	0.906	0.906	0.000
30	C9_Biased	0.906	0.906	0.000
30	A90_Unbiased	0.908	0.908	0.000
30	B10_Unbiased	0.906	0.906	0.000
30	B11_Unbiased	0.907	0.907	0.000
30	C11_Unbiased	0.907	0.907	0.000
30	C12_Unbiased	0.906	0.906	0.000
0	106_Corr	0.907	0.907	0.000
0	15B_Corr	0.904	0.904	0.000
50	A92_Biased	0.908	0.908	0.000
50	A93_Biased	0.908	0.908	0.000
50	B12_Biased	0.905	0.906	-0.001
50	B13_Biased	0.906	0.906	0.000
50	C14_Biased	0.906	0.907	-0.001
50	A95_Unbiased	0.904	0.904	0.000
50	A96_Unbiased	0.907	0.907	0.000
50	B15_Unbiased	0.908	0.908	0.000
50	B16_Unbiased	0.906	0.906	0.000
50	C15_Unbiased	0.908	0.909	-0.001
0	106_Corr	0.907	0.907	0.000
100	A97_Biased	0.906	0.906	0.000
100	A99_Biased	0.907	0.907	0.000
100	A100_Biased	0.904	0.904	0.000
100	A101_Biased	0.907	0.907	0.000
100	A102_Biased	0.908	0.908	0.000
100	A104_Biased	0.907	0.907	0.000
100	A105_Biased	0.905	0.905	0.000
100	B17_Biased	0.907	0.907	0.000
100	B18_Biased	0.903	0.903	0.000
100	B19_Biased	0.905	0.905	0.000
100	B20_Biased	0.907	0.907	0.000
100	B21_Biased	0.907	0.907	0.000
100	B24_Biased	0.905	0.905	0.000
100	B25_Biased	0.906	0.906	0.000
100	B26_Biased	0.903	0.903	0.000
100	C16_Biased	0.908	0.908	0.000
100	C17_Biased	0.907	0.907	0.000
100	C18_Biased	0.908	0.908	0.000
100	C19_Biased	0.906	0.906	0.000
100	C25_Biased	0.906	0.907	-0.001
100	C26_Biased	0.907	0.908	-0.001
100	C31_Biased	0.909	0.909	0.000
100	A107_Unbiased	0.907	0.907	0.000
100	A108_Unbiased	0.907	0.907	0.000
100	A109_Unbiased	0.908	0.908	0.000
100	A110_Unbiased	0.908	0.908	0.000
100	A111_Unbiased	0.907	0.907	0.000
100	A112_Unbiased	0.908	0.908	0.000
100	A113_Unbiased	0.908	0.908	0.000
100	B27_Unbiased	0.905	0.906	-0.001
100	B29_Unbiased	0.907	0.907	0.000
100	B30_Unbiased	0.906	0.906	0.000
100	B31_Unbiased	0.907	0.907	0.000
100	B32_Unbiased	0.907	0.907	0.000
100	B33_Unbiased	0.905	0.905	0.000
100	B34_Unbiased	0.906	0.906	0.000
100	B35_Unbiased	0.905	0.905	0.000
100	C32_Unbiased	0.905	0.905	0.000
100	C33_Unbiased	0.907	0.907	0.000
100	C34_Unbiased	0.906	0.906	0.000
100	C35_Unbiased	0.905	0.905	0.000
100	C36_Unbiased	0.908	0.908	0.000
100	C37_Unbiased	0.905	0.905	0.000
100	C38_Unbiased	0.907	0.907	0.000
	Max	0.910	0.910	0.000
	Average	0.907	0.907	0.000
	Min	0.903	0.903	-0.001
	Std Dev	0.001	0.001	0.000



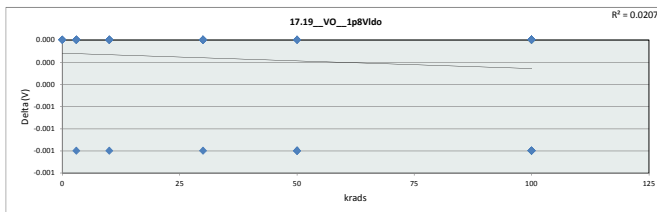
17.18_Vref_1p8VIdo			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	0.925	V	
Min Limit	0.875	V	

Krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.904	0.904	0.905	0.906	0.904	0.903
Average	0.907	0.908	0.907	0.907	0.907	0.906
Max	0.908	0.910	0.909	0.909	0.909	0.909
UL	0.925	0.925	0.925	0.925	0.925	0.925

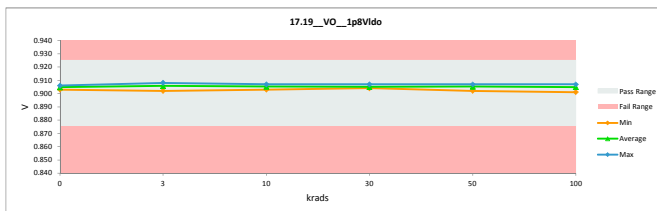


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17.19_VO_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.925	0.925		
Min Limit	0.875	0.875		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.906	0.906	0.000
3	A79_Biased	0.908	0.908	0.000
3	A80_Biased	0.906	0.906	0.000
3	B1_Biased	0.906	0.906	0.000
3	B2_Biased	0.902	0.902	0.000
3	C1_Biased	0.905	0.905	0.000
3	A82_Unbiased	0.906	0.906	0.000
3	A83_Unbiased	0.907	0.907	0.000
3	B4_Unbiased	0.905	0.905	0.000
3	B5_Unbiased	0.905	0.905	0.000
3	C2_Unbiased	0.906	0.907	-0.001
10	A85_Biased	0.903	0.903	0.000
10	A86_Biased	0.905	0.905	0.000
10	B6_Biased	0.907	0.907	0.000
10	C3_Biased	0.905	0.905	0.000
10	C4_Biased	0.906	0.906	0.000
10	A87_Unbiased	0.904	0.904	0.000
10	A88_Unbiased	0.907	0.907	0.000
10	B7_Unbiased	0.905	0.905	0.000
10	C5_Unbiased	0.906	0.906	0.000
10	C6_Unbiased	0.903	0.904	-0.001
0	106_Corr	0.905	0.905	0.000
30	A89_Biased	0.904	0.904	0.000
30	B8_Biased	0.907	0.907	0.000
30	B9_Biased	0.904	0.904	0.000
30	C7_Biased	0.905	0.905	0.000
30	C9_Biased	0.904	0.904	0.000
30	A90_Unbiased	0.906	0.906	0.000
30	B10_Unbiased	0.904	0.904	0.000
30	B11_Unbiased	0.905	0.906	-0.001
30	C11_Unbiased	0.905	0.905	0.000
30	C12_Unbiased	0.905	0.905	0.000
0	106_Corr	0.905	0.905	0.000
0	15B_Corr	0.903	0.903	0.000
50	A92_Biased	0.906	0.907	-0.001
50	A93_Biased	0.906	0.906	0.000
50	B12_Biased	0.903	0.904	-0.001
50	B13_Biased	0.904	0.905	-0.001
50	C14_Biased	0.905	0.905	0.000
50	A95_Unbiased	0.902	0.902	0.000
50	A96_Unbiased	0.905	0.906	-0.001
50	B15_Unbiased	0.906	0.906	0.000
50	B16_Unbiased	0.904	0.904	0.000
50	C15_Unbiased	0.906	0.907	-0.001
0	106_Corr	0.905	0.905	0.000
100	A97_Biased	0.905	0.905	0.000
100	A99_Biased	0.905	0.905	0.000
100	A100_Biased	0.902	0.903	-0.001
100	A101_Biased	0.905	0.906	-0.001
100	A102_Biased	0.906	0.906	0.000
100	A104_Biased	0.905	0.906	-0.001
100	A105_Biased	0.903	0.903	0.000
100	B17_Biased	0.905	0.905	0.000
100	B18_Biased	0.901	0.901	0.000
100	B19_Biased	0.903	0.904	-0.001
100	B20_Biased	0.906	0.906	0.000
100	B21_Biased	0.905	0.905	0.000
100	B24_Biased	0.903	0.903	0.000
100	B25_Biased	0.904	0.904	0.000
100	B26_Biased	0.902	0.902	0.000
100	C16_Biased	0.906	0.906	0.000
100	C17_Biased	0.905	0.905	0.000
100	C18_Biased	0.906	0.907	-0.001
100	C19_Biased	0.905	0.905	0.000
100	C25_Biased	0.905	0.905	0.000
100	C26_Biased	0.905	0.906	-0.001
100	C31_Biased	0.907	0.907	0.000
100	A107_Unbiased	0.906	0.906	0.000
100	A108_Unbiased	0.905	0.906	-0.001
100	A109_Unbiased	0.906	0.906	0.000
100	A110_Unbiased	0.906	0.906	0.000
100	A111_Unbiased	0.905	0.905	0.000
100	A112_Unbiased	0.906	0.906	0.000
100	A113_Unbiased	0.906	0.906	0.000
100	B27_Unbiased	0.903	0.904	-0.001
100	B29_Unbiased	0.905	0.906	-0.001
100	B30_Unbiased	0.904	0.904	0.000
100	B31_Unbiased	0.905	0.905	0.000
100	B32_Unbiased	0.905	0.905	0.000
100	B33_Unbiased	0.904	0.904	0.000
100	B34_Unbiased	0.904	0.904	0.000
100	B35_Unbiased	0.903	0.903	0.000
100	C32_Unbiased	0.904	0.904	0.000
100	C33_Unbiased	0.905	0.905	0.000
100	C34_Unbiased	0.905	0.905	0.000
100	C35_Unbiased	0.904	0.904	0.000
100	C36_Unbiased	0.906	0.906	0.000
100	C37_Unbiased	0.903	0.904	-0.001
100	C38_Unbiased	0.905	0.905	0.000
	Max	0.908	0.908	0.000
	Average	0.905	0.905	0.000
	Min	0.901	0.901	-0.001
	Std Dev	0.001	0.001	0.000

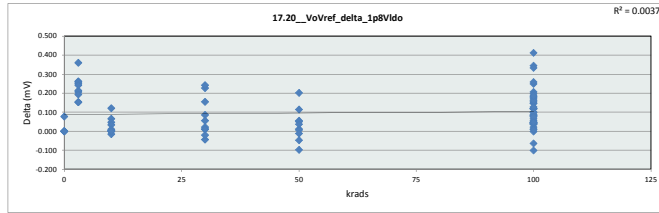


17.19_VO_1p8Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.925					
Min Limit	0.875					
Krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.903	0.902	0.903	0.904	0.902	0.901
Average	0.905	0.906	0.905	0.905	0.905	0.905
Max	0.906	0.908	0.907	0.907	0.907	0.907
UL	0.925	0.925	0.925	0.925	0.925	0.925

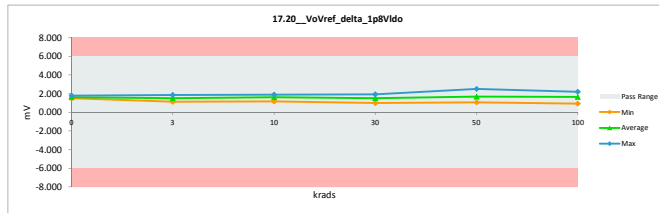


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17_20_VoVref_delta_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.547	1.547	0.000
3	A79_Biased	1.730	1.479	0.250
3	A80_Biased	1.795	1.641	0.153
3	B1_Biased	1.494	1.342	0.153
3	B2_Biased	1.942	1.680	0.263
3	C1_Biased	1.837	1.630	0.206
3	A82_Unbiased	1.865	1.507	0.359
3	A83_Unbiased	1.702	1.489	0.213
3	B4_Unbiased	2.122	1.864	0.258
3	B5_Unbiased	1.385	1.143	0.242
3	C2_Unbiased	1.512	1.318	0.194
10	A85_Biased	2.005	1.884	0.121
10	A86_Biased	1.633	1.630	0.003
10	B6_Biased	1.756	1.756	0.000
10	C3_Biased	1.811	1.745	0.066
10	C4_Biased	1.867	1.820	0.047
10	A87_Unbiased	1.145	1.140	-0.015
10	A88_Unbiased	1.790	1.757	0.033
10	B7_Unbiased	1.675	1.672	0.003
10	C5_Unbiased	1.454	1.444	0.010
10	C6_Unbiased	1.178	1.178	0.000
0	106_Corr	1.592	1.592	0.000
30	A89_Biased	1.636	1.614	0.022
30	B8_Biased	1.696	1.610	0.086
30	B9_Biased	1.633	1.407	0.227
30	C7_Biased	1.054	0.998	0.056
30	C9_Biased	1.602	1.592	0.010
30	A90_Unbiased	1.867	1.910	-0.043
30	B10_Unbiased	1.289	1.135	0.154
30	B11_Unbiased	1.972	1.730	0.242
30	C11_Unbiased	1.468	1.457	0.011
30	C12_Unbiased	1.625	1.646	-0.021
0	106_Corr	1.650	1.650	0.000
0	15B_Corr	1.785	1.785	0.000
50	A92_Biased	1.162	1.107	0.055
50	A93_Biased	1.679	1.667	0.012
50	B12_Biased	2.064	1.862	0.202
50	B13_Biased	1.109	1.059	0.050
50	C14_Biased	1.549	1.646	-0.097
50	A95_Unbiased	1.758	1.806	-0.048
50	A96_Unbiased	1.380	1.374	0.006
50	B15_Unbiased	2.615	2.501	0.114
50	B16_Unbiased	1.940	1.953	-0.013
50	C15_Unbiased	2.004	1.968	0.037
0	106_Corr	1.592	1.592	0.000
100	A97_Biased	1.370	1.327	0.043
100	A99_Biased	2.170	2.122	0.048
100	A100_Biased	1.468	1.350	0.118
100	A101_Biased	1.828	1.828	0.000
100	A102_Biased	1.979	2.080	-0.101
100	A104_Biased	1.646	1.498	0.148
100	A105_Biased	1.921	1.837	0.083
100	B17_Biased	1.815	1.803	0.012
100	B18_Biased	2.456	2.207	0.249
100	B19_Biased	1.421	1.372	0.049
100	B20_Biased	1.737	1.392	0.345
100	B21_Biased	2.220	2.177	0.043
100	B24_Biased	1.591	1.553	0.038
100	B25_Biased	2.012	1.764	0.258
100	B26_Biased	1.367	1.346	0.021
100	C16_Biased	2.073	1.662	0.412
100	C17_Biased	1.855	1.918	-0.063
100	C18_Biased	1.738	1.408	0.333
100	C19_Biased	1.330	1.213	0.117
100	C25_Biased	1.562	1.525	0.037
100	C26_Biased	2.147	2.104	0.043
100	C31_Biased	1.646	1.545	0.101
100	A107_Unbiased	1.128	0.922	0.206
100	A108_Unbiased	1.764	1.645	0.119
100	A109_Unbiased	1.982	1.892	0.090
100	A110_Unbiased	1.899	1.858	0.041
100	A111_Unbiased	2.108	1.962	0.146
100	A112_Unbiased	2.168	2.047	0.120
100	A113_Unbiased	1.608	1.439	0.170
100	B27_Unbiased	1.723	1.569	0.155
100	B29_Unbiased	1.871	1.686	0.184
100	B30_Unbiased	2.043	1.915	0.128
100	B31_Unbiased	1.730	1.646	0.084
100	B32_Unbiased	1.572	1.395	0.176
100	B33_Unbiased	1.326	1.163	0.162
100	B34_Unbiased	2.052	1.855	0.197
100	B35_Unbiased	1.845	1.766	0.079
100	C32_Unbiased	1.520	1.421	0.099
100	C33_Unbiased	1.617	1.561	0.056
100	C34_Unbiased	1.753	1.688	0.065
100	C35_Unbiased	1.539	1.464	0.075
100	C36_Unbiased	1.492	1.445	0.047
100	C37_Unbiased	1.436	1.252	0.184
100	C38_Unbiased	1.613	1.605	0.009
	Max	2.615	2.501	0.412
	Average	1.709	1.612	0.097
	Min	1.054	0.922	-0.101
	Std Dev	0.295	0.292	0.105

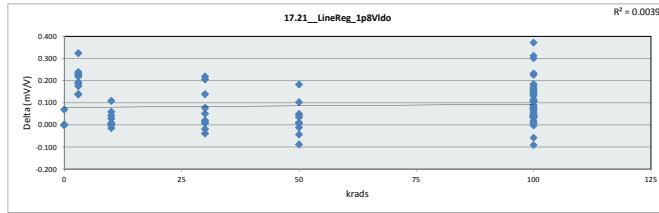


17_20_VoVref_delta_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
Krads	LL	3	10	30	50	100
	LL	-6.000	-6.000	-6.000	-6.000	-6.000
	Min	1.516	1.143	1.160	0.998	1.059
	Average	1.618	1.509	1.605	1.510	1.694
	Max	1.785	1.864	1.884	1.910	2.501
	UL	6.000	6.000	6.000	6.000	6.000

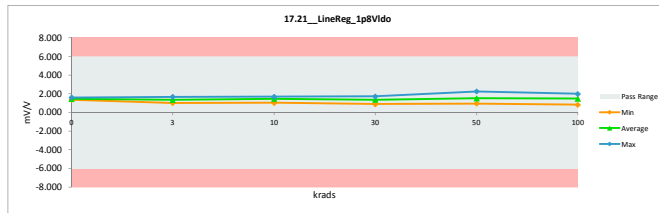


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17.21_LineReg_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.394	1.394	0.000
3	A79_Biased	1.555	1.330	0.226
3	A80_Biased	1.617	1.478	0.139
3	B1_Biased	1.346	1.208	0.138
3	B2_Biased	1.759	1.521	0.238
3	C1_Biased	1.658	1.471	0.187
3	A82_Unbiased	1.681	1.357	0.324
3	A83_Unbiased	1.532	1.340	0.192
3	B4_Unbiased	1.915	1.682	0.233
3	B5_Unbiased	1.249	1.030	0.219
3	C2_Unbiased	1.362	1.187	0.175
10	A85_Biased	1.813	1.704	0.109
10	A86_Biased	1.472	1.470	0.003
10	B6_Biased	1.581	1.581	0.000
10	C3_Biased	1.633	1.573	0.060
10	C4_Biased	1.682	1.640	0.043
10	A87_Unbiased	1.034	1.047	-0.014
10	A88_Unbiased	1.612	1.582	0.030
10	B7_Unbiased	1.512	1.509	0.003
10	C5_Unbiased	1.310	1.301	0.009
10	C6_Unbiased	1.064	1.064	0.000
0	106_Corr	1.426	1.426	0.000
30	A89_Biased	1.477	1.457	0.020
30	B8_Biased	1.527	1.449	0.078
30	B9_Biased	1.475	1.270	0.205
30	C7_Biased	0.951	0.900	0.051
30	C9_Biased	1.446	1.437	0.009
30	A90_Unbiased	1.681	1.720	-0.039
30	B10_Unbiased	1.163	1.024	0.139
30	B11_Unbiased	1.778	1.559	0.219
30	C11_Unbiased	1.324	1.314	0.010
30	C12_Unbiased	1.466	1.485	-0.019
0	106_Corr	1.489	1.489	0.000
0	15B_Corr	1.615	1.615	0.000
50	A92_Biased	1.046	0.997	0.050
50	A93_Biased	1.513	1.502	0.011
50	B12_Biased	1.865	1.682	0.183
50	B13_Biased	1.001	0.956	0.045
50	C14_Biased	1.397	1.485	-0.088
50	A95_Unbiased	1.591	1.633	-0.043
50	A96_Unbiased	1.244	1.238	0.006
50	B15_Unbiased	2.357	2.254	0.103
50	B16_Unbiased	1.753	1.764	-0.011
50	C15_Unbiased	1.806	1.771	0.035
0	106_Corr	1.436	1.436	0.000
100	A97_Biased	1.236	1.198	0.039
100	A99_Biased	1.957	1.914	0.043
100	A100_Biased	1.328	1.221	0.107
100	A101_Biased	1.645	1.647	-0.002
100	A102_Biased	1.783	1.874	-0.091
100	A104_Biased	1.484	1.350	0.134
100	A105_Biased	1.736	1.661	0.076
100	B17_Biased	1.637	1.626	0.011
100	B18_Biased	2.225	1.999	0.226
100	B19_Biased	1.284	1.240	0.044
100	B20_Biased	1.566	1.254	0.312
100	B21_Biased	2.002	1.963	0.039
100	B24_Biased	1.438	1.404	0.034
100	B25_Biased	1.817	1.584	0.234
100	B26_Biased	1.238	1.218	0.020
100	C16_Biased	1.868	1.497	0.372
100	C17_Biased	1.673	1.730	-0.057
100	C18_Biased	1.566	1.301	0.265
100	C19_Biased	1.200	1.094	0.106
100	C25_Biased	1.409	1.375	0.034
100	C26_Biased	1.936	1.897	0.039
100	C31_Biased	1.481	1.490	0.009
100	A107_Unbiased	1.017	0.831	0.186
100	A108_Unbiased	1.591	1.483	0.108
100	A109_Unbiased	1.786	1.705	0.081
100	A110_Unbiased	1.712	1.675	0.037
100	A111_Unbiased	1.902	1.770	0.132
100	A112_Unbiased	1.953	1.844	0.109
100	A113_Unbiased	1.449	1.295	0.153
100	B27_Unbiased	1.558	1.416	0.142
100	B29_Unbiased	1.687	1.520	0.166
100	B30_Unbiased	1.845	1.729	0.116
100	B31_Unbiased	1.560	1.484	0.076
100	B32_Unbiased	1.417	1.258	0.159
100	B33_Unbiased	1.197	1.051	0.147
100	B34_Unbiased	1.591	1.675	-0.084
100	B35_Unbiased	1.668	1.597	0.071
100	C32_Unbiased	1.372	1.283	0.090
100	C33_Unbiased	1.459	1.408	0.051
100	C34_Unbiased	1.582	1.523	0.059
100	C35_Unbiased	1.391	1.322	0.068
100	C36_Unbiased	1.344	1.301	0.042
100	C37_Unbiased	1.297	1.130	0.167
100	C38_Unbiased	1.455	1.447	0.008
	Max	2.357	2.254	0.103
	Average	1.454	1.454	0.000
	Min	0.951	0.831	-0.091
	Std Dev	0.266	0.263	0.095

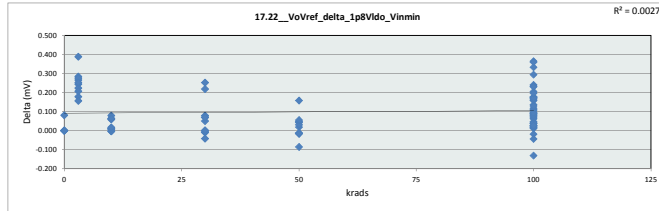


17.21_LineReg_1p8VIdo					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	6	mV/V			
Min Limit	-6	mV/V			
Krads	LL	Min	Average	Max	UL
0	-6.000	1.367	1.460	1.615	6.000
3	-6.000	1.030	1.360	1.682	6.000
10	-6.000	1.047	1.447	1.704	6.000
30	-6.000	0.900	1.362	1.720	6.000
50	-6.000	0.956	1.528	2.254	6.000
100	-6.000	0.831	1.481	1.999	6.000

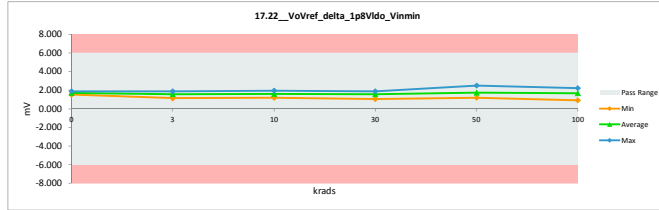


TID 100krad LDR Report
TPS7H3301-SP

17.22_VoVref_delta_1p8VIdo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.537	1.537	0.000
3	A79_Biased	1.794	1.550	0.244
3	A80_Biased	1.925	1.701	0.223
3	B1_Biased	1.566	1.388	0.178
3	B2_Biased	2.051	1.768	0.283
3	C1_Biased	1.873	1.667	0.207
3	A82_Unbiased	1.961	1.573	0.388
3	A83_Unbiased	1.749	1.484	0.265
3	B4_Unbiased	2.159	1.884	0.275
3	B5_Unbiased	1.391	1.139	0.252
3	C2_Unbiased	1.622	1.465	0.157
10	A85_Biased	2.018	1.939	0.079
10	A86_Biased	1.617	1.622	-0.004
10	B6_Biased	1.758	1.761	-0.003
10	C3_Biased	1.783	1.724	0.059
10	C4_Biased	1.908	1.845	0.063
10	A87_Unbiased	1.219	1.206	0.012
10	A88_Unbiased	1.836	1.774	0.062
10	B7_Unbiased	1.646	1.635	0.011
10	C5_Unbiased	1.466	1.459	0.007
10	C6_Unbiased	1.204	1.188	0.016
0	106_Corr	1.701	1.701	0.000
30	A89_Biased	1.706	1.716	-0.010
30	B8_Biased	1.759	1.680	0.079
30	B9_Biased	1.637	1.419	0.218
30	C7_Biased	1.133	1.063	0.070
30	C9_Biased	1.696	1.645	0.051
30	A90_Unbiased	1.864	1.871	-0.007
30	B10_Unbiased	1.340	1.272	0.068
30	B11_Unbiased	1.988	1.737	0.252
30	C11_Unbiased	1.585	1.583	0.002
30	C12_Unbiased	1.627	1.670	-0.043
0	106_Corr	1.739	1.739	0.000
0	15B_Corr	1.865	1.865	0.000
50	A92_Biased	1.287	1.241	0.046
50	A93_Biased	1.672	1.689	-0.018
50	B12_Biased	2.107	1.949	0.158
50	B13_Biased	1.247	1.204	0.042
50	C14_Biased	1.594	1.679	-0.086
50	A95_Unbiased	1.995	1.906	0.089
50	A96_Unbiased	1.347	1.363	-0.016
50	B15_Unbiased	2.514	2.496	0.018
50	B16_Unbiased	1.973	1.942	0.031
50	C15_Unbiased	2.073	2.018	0.055
0	106_Corr	1.701	1.619	0.081
100	A97_Biased	1.351	1.312	0.039
100	A99_Biased	2.182	2.143	0.039
100	A100_Biased	1.468	1.351	0.118
100	A101_Biased	1.774	1.793	-0.018
100	A102_Biased	1.981	2.112	-0.131
100	A104_Biased	1.632	1.455	0.176
100	A105_Biased	1.938	1.845	0.093
100	B17_Biased	1.832	1.812	0.020
100	B18_Biased	2.470	2.230	0.240
100	B19_Biased	1.515	1.469	0.046
100	B20_Biased	1.777	1.444	0.333
100	B21_Biased	2.203	2.177	0.026
100	B24_Biased	1.590	1.562	0.028
100	B25_Biased	2.035	1.801	0.234
100	B26_Biased	1.388	1.372	0.016
100	C16_Biased	2.083	1.718	0.365
100	C17_Biased	1.933	1.977	-0.044
100	C18_Biased	1.431	1.437	0.004
100	C19_Biased	1.341	1.231	0.110
100	C25_Biased	1.660	1.648	0.012
100	C26_Biased	2.202	2.026	0.176
100	C31_Biased	1.637	1.576	0.062
100	A107_Unbiased	1.092	0.916	0.176
100	A108_Unbiased	1.834	1.746	0.088
100	A109_Unbiased	2.072	1.982	0.090
100	A110_Unbiased	1.989	1.948	0.041
100	A111_Unbiased	2.123	2.019	0.104
100	A112_Unbiased	2.176	2.040	0.136
100	A113_Unbiased	1.570	1.366	0.204
100	B27_Unbiased	1.755	1.597	0.157
100	B29_Unbiased	1.829	1.658	0.171
100	B30_Unbiased	2.044	1.919	0.129
100	B31_Unbiased	1.729	1.649	0.080
100	B32_Unbiased	1.596	1.434	0.162
100	B33_Unbiased	1.420	1.250	0.170
100	B34_Unbiased	2.100	1.903	0.197
100	B35_Unbiased	1.851	1.784	0.067
100	C32_Unbiased	1.597	1.237	0.360
100	C33_Unbiased	1.636	1.562	0.074
100	C34_Unbiased	1.834	1.752	0.081
100	C35_Unbiased	1.655	1.661	0.004
100	C36_Unbiased	1.524	1.506	0.018
100	C37_Unbiased	1.529	1.299	0.231
100	C38_Unbiased	1.668	1.642	0.026
	Max	2.514	2.496	0.388
	Average	1.747	1.648	0.099
	Min	1.092	0.916	-0.131
	Std Dev	0.285	0.286	0.109

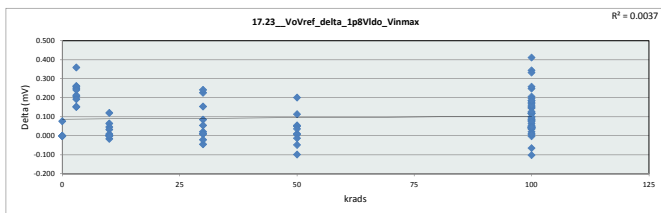


17.22_VoVref_delta_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
Krads	0	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.537	1.139	1.188	1.063	1.205	0.916
Average	1.692	1.562	1.615	1.565	1.749	1.665
Max	1.865	1.884	1.939	1.871	2.496	2.230
UL	6.000	6.000	6.000	6.000	6.000	6.000

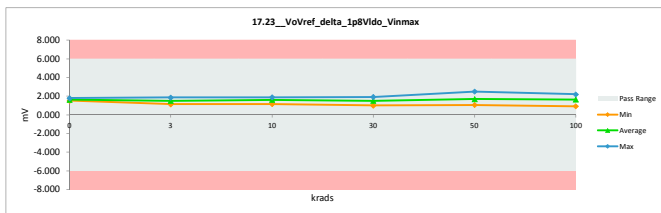


TID 100krad LDR Report
TPS7H3301-SP

17.23_VoVref_delta_1p8VIdo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.547	1.547	0.000
3	A79_Biased	1.730	1.479	0.250
3	A80_Biased	1.795	1.641	0.153
3	B1_Biased	1.494	1.342	0.153
3	B2_Biased	1.942	1.680	0.263
3	C1_Biased	1.837	1.630	0.206
3	A82_Unbiased	1.865	1.507	0.359
3	A83_Unbiased	1.702	1.489	0.213
3	B4_Unbiased	2.122	1.864	0.258
3	B5_Unbiased	1.385	1.143	0.242
3	C2_Unbiased	1.512	1.318	0.194
10	A85_Biased	2.005	1.884	0.121
10	A86_Biased	1.633	1.630	0.003
10	B6_Biased	1.756	1.756	0.000
10	C3_Biased	1.811	1.745	0.066
10	C4_Biased	1.867	1.820	0.047
10	A87_Unbiased	1.145	1.140	-0.015
10	A88_Unbiased	1.790	1.757	0.033
10	B7_Unbiased	1.675	1.672	0.003
10	C5_Unbiased	1.454	1.444	0.010
10	C6_Unbiased	1.178	1.178	0.000
0	106_Corr	1.592	1.592	0.000
30	A89_Biased	1.636	1.614	0.022
30	B8_Biased	1.696	1.610	0.086
30	B9_Biased	1.633	1.407	0.227
30	C7_Biased	1.054	0.998	0.056
30	C9_Biased	1.602	1.592	0.010
30	A90_Unbiased	1.867	1.910	-0.043
30	B10_Unbiased	1.289	1.135	0.154
30	B11_Unbiased	1.972	1.730	0.242
30	C11_Unbiased	1.468	1.457	0.011
30	C12_Unbiased	1.625	1.646	-0.021
0	106_Corr	1.650	1.650	0.000
0	15B_Corr	1.785	1.785	0.000
50	A92_Biased	1.162	1.107	0.055
50	A93_Biased	1.679	1.667	0.012
50	B12_Biased	2.064	1.862	0.202
50	B13_Biased	1.109	1.059	0.050
50	C14_Biased	1.549	1.646	-0.097
50	A95_Unbiased	1.758	1.806	-0.048
50	A96_Unbiased	1.380	1.374	0.006
50	B15_Unbiased	2.615	2.501	0.114
50	B16_Unbiased	1.940	1.953	-0.013
50	C15_Unbiased	2.004	1.968	0.037
0	106_Corr	1.592	1.592	0.000
100	A97_Biased	1.370	1.327	0.043
100	A99_Biased	2.170	2.122	0.048
100	A100_Biased	1.468	1.350	0.118
100	A101_Biased	1.828	1.828	-0.003
100	A102_Biased	1.979	2.080	-0.101
100	A104_Biased	1.646	1.498	0.148
100	A105_Biased	1.921	1.837	0.083
100	B17_Biased	1.815	1.803	0.012
100	B18_Biased	2.456	2.207	0.249
100	B19_Biased	1.421	1.372	0.049
100	B20_Biased	1.737	1.392	0.345
100	B21_Biased	2.220	2.177	0.043
100	B24_Biased	1.591	1.553	0.038
100	B25_Biased	2.012	1.764	0.258
100	B26_Biased	1.367	1.346	0.021
100	C16_Biased	2.073	1.662	0.412
100	C17_Biased	1.855	1.918	-0.063
100	C18_Biased	1.708	1.408	0.333
100	C19_Biased	1.330	1.213	0.117
100	C25_Biased	1.562	1.525	0.037
100	C26_Biased	2.147	2.104	0.043
100	C31_Biased	1.646	1.545	0.101
100	A107_Unbiased	1.128	0.922	0.206
100	A108_Unbiased	1.764	1.645	0.119
100	A109_Unbiased	1.982	1.892	0.090
100	A110_Unbiased	1.899	1.858	0.041
100	A111_Unbiased	2.108	1.962	0.146
100	A112_Unbiased	2.168	2.047	0.120
100	A113_Unbiased	1.608	1.439	0.170
100	B27_Unbiased	1.723	1.569	0.155
100	B29_Unbiased	1.871	1.686	0.184
100	B30_Unbiased	2.043	1.915	0.128
100	B31_Unbiased	1.730	1.646	0.084
100	B32_Unbiased	1.572	1.395	0.176
100	B33_Unbiased	1.326	1.163	0.162
100	B34_Unbiased	2.052	1.855	0.197
100	B35_Unbiased	1.845	1.766	0.079
100	C32_Unbiased	1.520	1.421	0.099
100	C33_Unbiased	1.617	1.561	0.056
100	C34_Unbiased	1.753	1.688	0.065
100	C35_Unbiased	1.539	1.464	0.075
100	C36_Unbiased	1.492	1.445	0.047
100	C37_Unbiased	1.436	1.252	0.184
100	C38_Unbiased	1.613	1.605	0.009
	Max	2.615	2.501	0.412
	Average	1.709	1.612	0.097
	Min	1.054	0.922	-0.101
	Std Dev	0.295	0.292	0.105

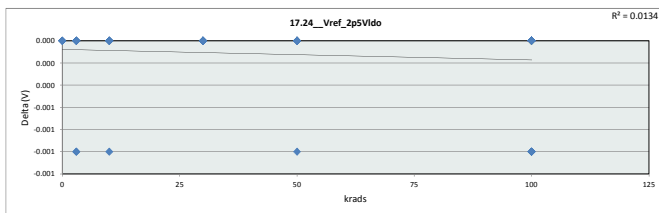


17.23_VoVref_delta_1p8VIdo_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.516	1.143	1.160	0.998	1.059	0.922
Average	1.618	1.509	1.605	1.510	1.694	1.641
Max	1.785	1.864	1.884	1.910	2.501	2.207
UL	6.000	6.000	6.000	6.000	6.000	6.000

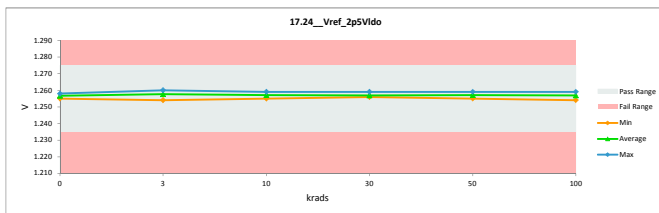


TID 100krad LDR Report
TPS7H3301-SP

17.24_Vref_2p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.275	1.275		
Min Limit	1.235	1.235		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.258	1.258	0.000
3	A79_Biased	1.260	1.260	0.000
3	A80_Biased	1.258	1.259	-0.001
3	B1_Biased	1.258	1.258	0.000
3	B2_Biased	1.254	1.254	0.000
3	C1_Biased	1.257	1.257	0.000
3	A82_Unbiased	1.258	1.258	0.000
3	A83_Unbiased	1.259	1.259	0.000
3	B4_Unbiased	1.257	1.257	0.000
3	B5_Unbiased	1.257	1.257	0.000
3	C2_Unbiased	1.258	1.259	-0.001
10	A85_Biased	1.255	1.255	0.000
10	A86_Biased	1.257	1.257	0.000
10	B6_Biased	1.259	1.259	0.000
10	C3_Biased	1.257	1.257	0.000
10	C4_Biased	1.258	1.259	-0.001
10	A87_Unbiased	1.256	1.256	0.000
10	A88_Unbiased	1.259	1.259	0.000
10	B7_Unbiased	1.257	1.257	0.000
10	C5_Unbiased	1.258	1.258	0.000
10	C6_Unbiased	1.255	1.255	0.000
0	106_Corr	1.257	1.257	0.000
30	A89_Biased	1.256	1.256	0.000
30	B8_Biased	1.259	1.259	0.000
30	B9_Biased	1.256	1.256	0.000
30	C7_Biased	1.257	1.257	0.000
30	C9_Biased	1.256	1.256	0.000
30	A90_Unbiased	1.258	1.258	0.000
30	B10_Unbiased	1.256	1.256	0.000
30	B11_Unbiased	1.258	1.258	0.000
30	C11_Unbiased	1.257	1.257	0.000
30	C12_Unbiased	1.257	1.257	0.000
0	106_Corr	1.257	1.257	0.000
0	158_Corr	1.255	1.255	0.000
50	A92_Biased	1.258	1.258	0.000
50	A93_Biased	1.258	1.258	0.000
50	B12_Biased	1.256	1.256	0.000
50	B13_Biased	1.256	1.256	0.000
50	C14_Biased	1.257	1.257	0.000
50	A95_Unbiased	1.255	1.255	0.000
50	A96_Unbiased	1.257	1.257	0.000
50	B15_Unbiased	1.259	1.259	0.000
50	B16_Unbiased	1.256	1.256	0.000
50	C15_Unbiased	1.258	1.259	-0.001
0	106_Corr	1.257	1.257	0.000
100	A97_Biased	1.257	1.257	0.000
100	A99_Biased	1.258	1.258	0.000
100	A100_Biased	1.254	1.254	0.000
100	A101_Biased	1.258	1.258	0.000
100	A102_Biased	1.258	1.259	-0.001
100	A104_Biased	1.257	1.258	-0.001
100	A105_Biased	1.255	1.256	-0.001
100	B17_Biased	1.257	1.258	-0.001
100	B18_Biased	1.254	1.254	0.000
100	B19_Biased	1.255	1.255	0.000
100	B20_Biased	1.258	1.258	0.000
100	B21_Biased	1.258	1.258	0.000
100	B24_Biased	1.255	1.255	0.000
100	B25_Biased	1.256	1.256	0.000
100	B26_Biased	1.254	1.254	0.000
100	C16_Biased	1.258	1.258	0.000
100	C17_Biased	1.257	1.257	0.000
100	C18_Biased	1.258	1.259	-0.001
100	C19_Biased	1.256	1.256	0.000
100	C25_Biased	1.257	1.257	0.000
100	C26_Biased	1.258	1.258	0.000
100	C31_Biased	1.259	1.259	0.000
100	A107_Unbiased	1.257	1.257	0.000
100	A108_Unbiased	1.257	1.258	-0.001
100	A109_Unbiased	1.258	1.258	0.000
100	A110_Unbiased	1.258	1.258	0.000
100	A111_Unbiased	1.257	1.257	0.000
100	A112_Unbiased	1.259	1.259	0.000
100	A113_Unbiased	1.258	1.258	0.000
100	B27_Unbiased	1.255	1.256	-0.001
100	B29_Unbiased	1.257	1.258	-0.001
100	B30_Unbiased	1.256	1.256	0.000
100	B31_Unbiased	1.257	1.257	0.000
100	B32_Unbiased	1.257	1.257	0.000
100	B33_Unbiased	1.256	1.256	0.000
100	B34_Unbiased	1.256	1.256	0.000
100	B35_Unbiased	1.255	1.255	0.000
100	C32_Unbiased	1.256	1.256	0.000
100	C33_Unbiased	1.257	1.257	0.000
100	C34_Unbiased	1.257	1.257	0.000
100	C35_Unbiased	1.256	1.256	0.000
100	C36_Unbiased	1.258	1.258	0.000
100	C37_Unbiased	1.255	1.255	0.000
100	C38_Unbiased	1.257	1.257	0.000
	Max	1.260	1.260	0.000
	Average	1.257	1.257	0.000
	Min	1.254	1.254	-0.001
	Std Dev	0.001	0.001	0.000

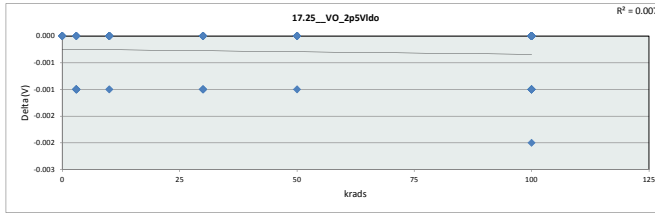


17.24_Vref_2p5Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.275 V					
Min Limit	1.235 V					
Krads	0	3	10	30	50	100
LL	1.235	1.235	1.235	1.235	1.235	1.235
Min	1.255	1.254	1.255	1.256	1.255	1.254
Average	1.257	1.258	1.257	1.257	1.257	1.257
Max	1.258	1.260	1.259	1.259	1.259	1.259
UL	1.275	1.275	1.275	1.275	1.275	1.275

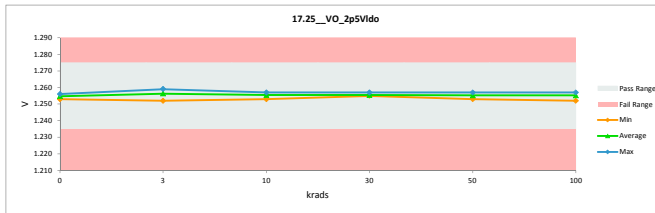


TID 100krad LDR Report
TPS7H3301-SP

17.25_VO_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.275	1.275		
Min Limit	1.235	1.235		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.256	1.256	0.000
3	A79_Biased	1.258	1.259	-0.001
3	A80_Biased	1.256	1.257	-0.001
3	B1_Biased	1.256	1.257	-0.001
3	B2_Biased	1.252	1.252	0.000
3	C1_Biased	1.255	1.255	0.000
3	A82_Unbiased	1.256	1.257	-0.001
3	A83_Unbiased	1.257	1.258	-0.001
3	B4_Unbiased	1.255	1.255	0.000
3	B5_Unbiased	1.255	1.256	-0.001
3	C2_Unbiased	1.257	1.257	0.000
10	A85_Biased	1.253	1.253	0.000
10	A86_Biased	1.255	1.255	0.000
10	B6_Biased	1.257	1.257	0.000
10	C3_Biased	1.255	1.255	0.000
10	C4_Biased	1.256	1.257	-0.001
10	A87_Unbiased	1.254	1.254	0.000
10	A88_Unbiased	1.257	1.257	0.000
10	B7_Unbiased	1.255	1.255	0.000
10	C5_Unbiased	1.257	1.257	0.000
10	C6_Unbiased	1.254	1.254	0.000
0	106_Corr	1.255	1.255	0.000
30	A89_Biased	1.255	1.255	0.000
30	B8_Biased	1.257	1.257	0.000
30	B9_Biased	1.254	1.255	-0.001
30	C7_Biased	1.255	1.256	-0.001
30	C9_Biased	1.255	1.255	0.000
30	A90_Unbiased	1.256	1.256	0.000
30	B10_Unbiased	1.254	1.255	-0.001
30	B11_Unbiased	1.256	1.256	0.000
30	C11_Unbiased	1.255	1.255	0.000
30	C12_Unbiased	1.255	1.255	0.000
0	106_Corr	1.255	1.255	0.000
0	15B_Corr	1.253	1.253	0.000
50	A92_Biased	1.257	1.257	0.000
50	A93_Biased	1.256	1.256	0.000
50	B12_Biased	1.254	1.254	0.000
50	B13_Biased	1.255	1.255	0.000
50	C14_Biased	1.255	1.255	0.000
50	A95_Unbiased	1.253	1.253	0.000
50	A96_Unbiased	1.256	1.256	0.000
50	B15_Unbiased	1.256	1.256	0.000
50	B16_Unbiased	1.254	1.254	0.000
50	C15_Unbiased	1.256	1.257	-0.001
0	106_Corr	1.255	1.255	0.000
100	A97_Biased	1.255	1.255	0.000
100	A99_Biased	1.255	1.256	-0.001
100	A100_Biased	1.252	1.253	-0.001
100	A101_Biased	1.256	1.256	0.000
100	A102_Biased	1.256	1.256	0.000
100	A104_Biased	1.256	1.256	0.000
100	A105_Biased	1.253	1.254	-0.001
100	B17_Biased	1.256	1.256	0.000
100	B18_Biased	1.251	1.252	-0.001
100	B19_Biased	1.254	1.254	0.000
100	B20_Biased	1.256	1.256	0.000
100	B21_Biased	1.256	1.256	0.000
100	B24_Biased	1.253	1.254	-0.001
100	B25_Biased	1.254	1.254	0.000
100	B26_Biased	1.252	1.252	0.000
100	C16_Biased	1.256	1.257	-0.001
100	C17_Biased	1.255	1.255	0.000
100	C18_Biased	1.256	1.257	-0.001
100	C19_Biased	1.255	1.255	0.000
100	C25_Biased	1.255	1.255	0.000
100	C26_Biased	1.255	1.256	-0.001
100	C31_Biased	1.257	1.257	0.000
100	A107_Unbiased	1.256	1.256	0.000
100	A108_Unbiased	1.255	1.256	-0.001
100	A109_Unbiased	1.256	1.256	0.000
100	A110_Unbiased	1.256	1.256	0.000
100	A111_Unbiased	1.255	1.256	-0.001
100	A112_Unbiased	1.256	1.256	0.000
100	A113_Unbiased	1.257	1.257	0.000
100	B27_Unbiased	1.253	1.255	-0.002
100	B29_Unbiased	1.256	1.256	0.000
100	B30_Unbiased	1.254	1.254	0.000
100	B31_Unbiased	1.255	1.256	-0.001
100	B32_Unbiased	1.256	1.256	0.000
100	B33_Unbiased	1.254	1.254	0.000
100	B34_Unbiased	1.254	1.254	0.000
100	B35_Unbiased	1.253	1.253	0.000
100	C32_Unbiased	1.254	1.254	0.000
100	C33_Unbiased	1.255	1.256	-0.001
100	C34_Unbiased	1.255	1.255	0.000
100	C35_Unbiased	1.254	1.254	0.000
100	C36_Unbiased	1.256	1.257	-0.001
100	C37_Unbiased	1.254	1.254	0.000
100	C38_Unbiased	1.255	1.256	-0.001
	Max	1.258	1.259	0.000
	Average	1.255	1.255	0.000
	Min	1.251	1.252	-0.002
	Std Dev	0.001	0.001	0.000

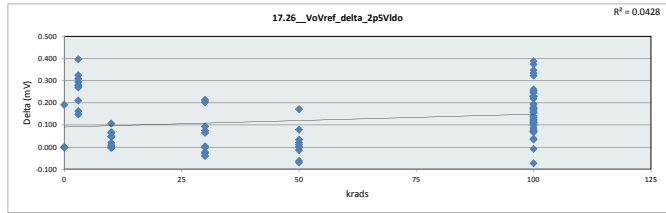


17.25_VO_2p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.275 V					
Min Limit	1.235 V					
Krads	0	3	10	30	50	100
LL	1.235	1.235	1.235	1.235	1.235	1.235
Min	1.253	1.252	1.253	1.255	1.253	1.252
Average	1.255	1.256	1.255	1.256	1.255	1.255
Max	1.256	1.259	1.257	1.257	1.257	1.257
UL	1.275	1.275	1.275	1.275	1.275	1.275

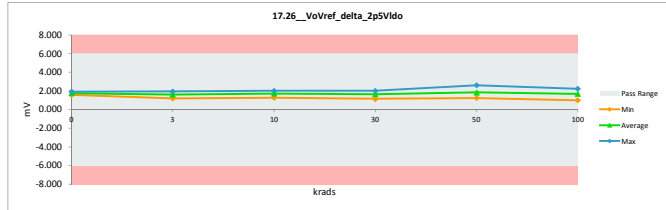


TID 100krad LDR Report
TPS7H3301-SP

17.26_VoVref_delta_2p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.649	1.649	0.000
3	A79_Biased	2.073	1.749	0.324
3	A80_Biased	1.944	1.734	0.210
3	B1_Biased	1.608	1.461	0.148
3	B2_Biased	2.018	1.738	0.280
3	C1_Biased	2.013	1.743	0.270
3	A82_Unbiased	1.985	1.587	0.397
3	A83_Unbiased	1.857	1.563	0.294
3	B4_Unbiased	2.217	1.939	0.278
3	B5_Unbiased	1.519	1.211	0.308
3	C2_Unbiased	1.620	1.457	0.163
10	A85_Biased	2.117	2.010	0.107
10	A86_Biased	1.754	1.757	-0.003
10	B6_Biased	1.864	1.865	-0.001
10	C3_Biased	1.920	1.852	0.068
10	C4_Biased	1.984	1.935	0.049
10	A87_Unbiased	1.276	1.273	0.003
10	A88_Unbiased	1.924	1.860	0.065
10	B7_Unbiased	1.819	1.772	0.047
10	C5_Unbiased	1.556	1.536	0.020
10	C6_Unbiased	1.324	1.315	0.009
0	106_Corr	1.771	1.771	0.000
30	A89_Biased	1.765	1.761	0.004
30	B8_Biased	1.813	1.737	0.075
30	B9_Biased	1.748	1.546	0.203
30	C7_Biased	1.216	1.153	0.064
30	C9_Biased	1.736	1.738	-0.003
30	A90_Unbiased	1.986	2.009	-0.022
30	B10_Unbiased	1.383	1.289	0.094
30	B11_Unbiased	2.048	1.835	0.213
30	C11_Unbiased	1.570	1.609	-0.039
30	C12_Unbiased	1.756	1.783	-0.027
0	106_Corr	1.777	1.777	0.000
0	15B_Corr	1.927	1.927	0.000
50	A92_Biased	1.336	1.257	0.078
50	A93_Biased	1.798	1.777	0.021
50	B12_Biased	2.198	2.027	0.171
50	B13_Biased	1.263	1.228	0.034
50	C14_Biased	1.718	1.781	-0.063
50	A95_Unbiased	1.918	1.939	-0.020
50	A96_Unbiased	1.474	1.487	-0.013
50	B15_Unbiased	2.610	2.597	0.012
50	B16_Unbiased	2.071	2.072	-0.001
50	C15_Unbiased	2.156	2.153	0.002
0	106_Corr	1.771	1.771	0.000
100	A97_Biased	1.499	1.384	0.115
100	A99_Biased	2.258	2.160	0.098
100	A100_Biased	1.547	1.390	0.157
100	A101_Biased	1.887	1.849	0.038
100	A102_Biased	2.085	2.157	-0.072
100	A104_Biased	1.734	1.481	0.253
100	A105_Biased	2.035	1.895	0.140
100	B17_Biased	1.908	1.840	0.068
100	B18_Biased	2.485	2.163	0.322
100	B19_Biased	1.552	1.442	0.110
100	B20_Biased	1.815	1.442	0.374
100	B21_Biased	2.293	2.218	0.075
100	B24_Biased	1.676	1.600	0.076
100	B25_Biased	2.141	1.806	0.335
100	B26_Biased	1.448	1.379	0.069
100	C16_Biased	2.143	1.755	0.388
100	C17_Biased	1.994	1.961	0.034
100	C18_Biased	1.837	1.489	0.348
100	C19_Biased	1.456	1.283	0.172
100	C25_Biased	1.685	1.616	0.069
100	C26_Biased	2.279	2.174	0.105
100	C31_Biased	1.751	1.641	0.110
100	A107_Unbiased	1.233	0.988	0.245
100	A108_Unbiased	1.880	1.688	0.192
100	A109_Unbiased	2.109	1.976	0.133
100	A110_Unbiased	2.032	1.910	0.123
100	A111_Unbiased	2.172	1.992	0.180
100	A112_Unbiased	2.259	2.134	0.125
100	A113_Unbiased	1.709	1.479	0.231
100	B27_Unbiased	1.842	1.624	0.218
100	B29_Unbiased	1.922	1.694	0.228
100	B30_Unbiased	1.981	1.985	-0.004
100	B31_Unbiased	1.850	1.677	0.173
100	B32_Unbiased	1.673	1.443	0.229
100	B33_Unbiased	1.458	1.229	0.230
100	B34_Unbiased	2.146	1.917	0.229
100	B35_Unbiased	1.977	1.822	0.155
100	C32_Unbiased	1.668	1.492	0.176
100	C33_Unbiased	1.769	1.606	0.163
100	C34_Unbiased	1.771	1.779	-0.008
100	C35_Unbiased	1.693	1.553	0.140
100	C36_Unbiased	1.619	1.505	0.114
100	C37_Unbiased	1.585	1.325	0.260
100	C38_Unbiased	1.749	1.663	0.086
	Max	2.610	2.597	0.012
	Average	1.828	1.702	0.125
	Min	1.216	0.988	0.228
	Std Dev	0.283	0.286	0.116

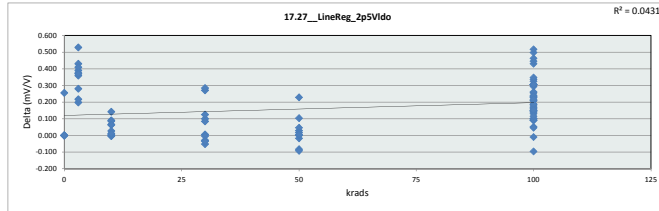


17.26_VoVref_delta_2p5Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
Krads	LL	3	10	30	50	100
	Min	-6.000	-6.000	-6.000	-6.000	-6.000
	Average	1.741	1.618	1.717	1.646	1.837
	Max	1.927	1.939	2.010	2.009	2.597
	UL	6.000	6.000	6.000	6.000	6.000

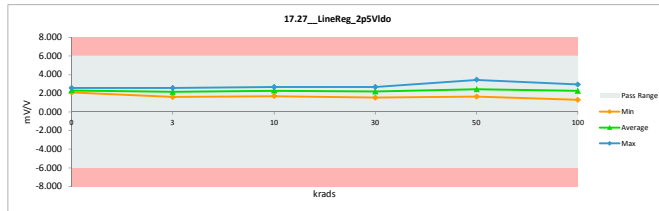


TID 100krad LDR Report
TPS7H3301-SP

17.27_LineReg_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/V	mV/V		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.187	2.187	0.000
3	A79_Biased	2.746	2.316	0.430
3	A80_Biased	2.579	2.299	0.280
3	B1_Biased	2.134	1.937	0.197
3	B2_Biased	2.686	2.313	0.373
3	C1_Biased	2.673	2.315	0.359
3	A82_Unbiased	2.633	2.105	0.528
3	A83_Unbiased	2.462	2.072	0.390
3	B4_Unbiased	2.944	2.574	0.370
3	B5_Unbiased	2.017	1.608	0.409
3	C2_Unbiased	2.148	1.932	0.216
10	A85_Biased	2.816	2.674	0.142
10	A86_Biased	2.329	2.323	-0.004
10	B6_Biased	2.471	2.473	-0.002
10	C3_Biased	2.549	2.459	0.091
10	C4_Biased	2.632	2.566	0.065
10	A87_Unbiased	1.696	1.691	0.004
10	A88_Unbiased	2.551	2.466	0.086
10	B7_Unbiased	2.416	2.354	0.062
10	C5_Unbiased	2.063	2.037	0.027
10	C6_Unbiased	1.760	1.748	0.011
0	106_Corr	2.351	2.351	0.000
30	A89_Biased	2.345	2.339	0.006
30	B8_Biased	2.403	2.304	0.100
30	B9_Biased	2.323	2.054	0.270
30	C7_Biased	1.615	1.530	0.085
30	C9_Biased	2.306	2.309	-0.004
30	A90_Unbiased	2.635	2.665	-0.030
30	B10_Unbiased	1.837	1.712	0.125
30	B11_Unbiased	2.719	2.435	0.283
30	C11_Unbiased	2.084	2.136	-0.052
30	C12_Unbiased	2.332	2.368	-0.035
0	106_Corr	2.360	2.360	0.000
0	15B_Corr	2.563	2.563	0.000
50	A92_Biased	1.771	1.668	0.104
50	A93_Biased	2.386	2.357	0.028
50	B12_Biased	2.922	2.694	0.228
50	B13_Biased	1.677	1.631	0.046
50	C14_Biased	2.281	2.364	-0.083
50	A95_Unbiased	2.553	2.646	-0.094
50	A96_Unbiased	1.956	1.973	-0.017
50	B15_Unbiased	3.463	3.446	0.016
50	B16_Unbiased	2.753	2.754	-0.001
50	C15_Unbiased	2.860	2.855	0.005
0	106_Corr	2.351	2.351	0.000
100	A97_Biased	1.990	1.838	0.152
100	A99_Biased	2.998	2.867	0.131
100	A100_Biased	2.059	1.849	0.210
100	A101_Biased	2.504	2.453	0.051
100	A102_Biased	2.766	2.862	-0.096
100	A104_Biased	2.301	1.965	0.336
100	A105_Biased	2.707	2.519	0.187
100	B17_Biased	2.533	2.442	0.091
100	B18_Biased	3.210	2.850	0.430
100	B19_Biased	2.063	1.916	0.147
100	B20_Biased	2.409	1.913	0.497
100	B21_Biased	3.044	2.945	0.099
100	B24_Biased	2.229	2.127	0.102
100	B25_Biased	2.845	2.400	0.445
100	B26_Biased	1.927	1.835	0.092
100	C16_Biased	2.844	2.328	0.516
100	C17_Biased	2.648	2.603	0.045
100	C18_Biased	2.437	1.974	0.463
100	C19_Biased	1.933	1.704	0.229
100	C25_Biased	2.238	2.146	0.093
100	C26_Biased	3.025	2.885	0.139
100	C31_Biased	2.321	2.175	0.146
100	A107_Unbiased	1.637	1.311	0.325
100	A108_Unbiased	2.496	2.241	0.255
100	A109_Unbiased	2.798	2.621	0.177
100	A110_Unbiased	2.697	2.534	0.163
100	A111_Unbiased	2.884	2.644	0.240
100	A112_Unbiased	2.997	2.831	0.166
100	A113_Unbiased	2.267	1.961	0.306
100	B27_Unbiased	2.451	2.158	0.293
100	B29_Unbiased	2.552	2.247	0.304
100	B30_Unbiased	2.638	2.638	0.260
100	B31_Unbiased	2.456	2.226	0.231
100	B32_Unbiased	2.220	1.915	0.305
100	B33_Unbiased	1.938	1.632	0.306
100	B34_Unbiased	2.953	2.548	0.304
100	B35_Unbiased	2.629	2.422	0.207
100	C32_Unbiased	2.217	1.983	0.235
100	C33_Unbiased	2.348	2.131	0.217
100	C34_Unbiased	2.352	2.363	-0.010
100	C35_Unbiased	2.054	1.964	0.186
100	C36_Unbiased	2.148	1.997	0.152
100	C37_Unbiased	2.108	1.761	0.347
100	C38_Unbiased	2.322	2.207	0.115
	Max	3.463	3.446	0.528
	Average	2.427	2.260	0.167
	Min	1.615	1.311	-0.096
	Std Dev	0.376	0.380	0.154

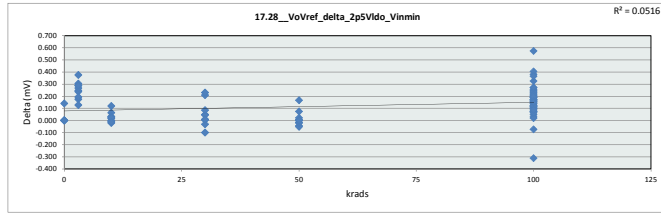


17.27_LineReg_2p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV/V				
Min Limit	-6	mV/V				
Krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	2.097	1.608	1.691	1.530	1.631	1.312
Average	2.312	2.147	2.280	2.185	2.439	2.251
Max	2.563	2.574	2.674	2.665	3.446	2.945
UL	6.000	6.000	6.000	6.000	6.000	6.000

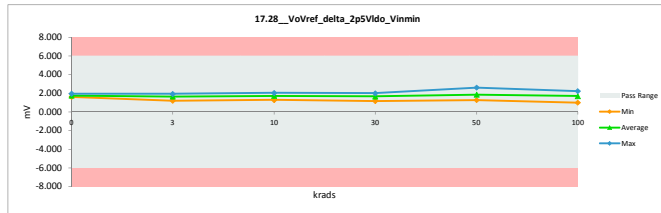


TID 100krad LDR Report
TPS7H3301-SP

17.28_VoVref_delta_2p5Vldo_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.625	1.625	0.000
3	A79_Biased	2.082	1.777	0.305
3	A80_Biased	1.961	1.786	0.175
3	B1_Biased	1.604	1.475	0.129
3	B2_Biased	2.069	1.779	0.290
3	C1_Biased	2.003	1.763	0.239
3	A82_Unbiased	2.015	1.639	0.376
3	A83_Unbiased	1.811	1.545	0.247
3	B4_Unbiased	2.205	1.936	0.269
3	B5_Unbiased	1.503	1.213	0.290
3	C2_Unbiased	1.706	1.511	0.195
10	A85_Biased	2.158	2.038	0.120
10	A86_Biased	1.739	1.742	-0.002
10	B6_Biased	1.863	1.867	-0.004
10	C3_Biased	1.879	1.815	0.064
10	C4_Biased	1.988	1.956	0.032
10	A87_Unbiased	1.300	1.294	0.017
10	A88_Unbiased	1.910	1.880	0.029
10	B7_Unbiased	1.783	1.761	0.022
10	C5_Unbiased	1.535	1.556	-0.021
10	C6_Unbiased	1.293	1.307	-0.013
0	106_Corr	1.772	1.772	0.000
30	A89_Biased	1.809	1.802	0.007
30	B8_Biased	1.833	1.783	0.050
30	B9_Biased	1.747	1.537	0.210
30	C7_Biased	1.221	1.175	0.046
30	C9_Biased	1.780	1.774	0.007
30	A90_Unbiased	1.910	2.009	-0.099
30	B10_Unbiased	1.439	1.352	0.086
30	B11_Unbiased	2.055	1.824	0.231
30	C11_Unbiased	1.627	1.656	-0.030
30	C12_Unbiased	1.769	1.760	0.009
0	106_Corr	1.812	1.812	0.000
0	15B_Corr	1.969	1.969	0.000
50	A92_Biased	1.328	1.306	0.021
50	A93_Biased	1.790	1.790	0.010
50	B12_Biased	2.214	2.046	0.167
50	B13_Biased	1.354	1.277	0.076
50	C14_Biased	1.722	1.766	-0.044
50	A95_Unbiased	1.968	2.020	-0.052
50	A96_Unbiased	1.455	1.454	0.001
50	B15_Unbiased	2.597	2.615	-0.017
50	B16_Unbiased	2.074	2.095	-0.021
50	C15_Unbiased	2.148	2.149	-0.001
0	106_Corr	1.772	1.630	0.142
100	A97_Biased	1.510	1.371	0.140
100	A99_Biased	2.252	2.178	0.074
100	A100_Biased	1.544	1.382	0.163
100	A101_Biased	1.863	1.816	0.048
100	A102_Biased	2.091	2.165	-0.073
100	A104_Biased	1.714	1.467	0.247
100	A105_Biased	2.008	1.899	0.109
100	B17_Biased	1.923	1.822	0.101
100	B18_Biased	2.460	2.239	0.221
100	B19_Biased	1.604	1.486	0.118
100	B20_Biased	1.828	1.447	0.381
100	B21_Biased	2.256	2.178	0.078
100	B24_Biased	1.697	1.598	0.099
100	B25_Biased	2.149	1.823	0.326
100	B26_Biased	1.431	1.400	0.031
100	C16_Biased	2.172	1.767	0.406
100	C17_Biased	2.002	1.981	0.021
100	C18_Biased	1.844	1.479	0.365
100	C19_Biased	1.458	1.284	0.174
100	C25_Biased	1.753	1.680	0.073
100	C26_Biased	1.854	2.164	-0.310
100	C31_Biased	1.739	1.623	0.116
100	A107_Unbiased	1.239	0.985	0.254
100	A108_Unbiased	1.933	1.741	0.193
100	A109_Unbiased	2.160	1.990	0.170
100	A110_Unbiased	2.081	1.957	0.124
100	A111_Unbiased	2.211	1.978	0.233
100	A112_Unbiased	2.240	2.101	0.140
100	A113_Unbiased	1.654	1.417	0.237
100	B27_Unbiased	1.843	1.654	0.189
100	B29_Unbiased	2.133	1.558	0.575
100	B30_Unbiased	2.170	1.975	0.195
100	B31_Unbiased	1.845	1.686	0.159
100	B32_Unbiased	1.669	1.462	0.206
100	B33_Unbiased	1.506	1.235	0.271
100	B34_Unbiased	2.153	1.941	0.212
100	B35_Unbiased	2.001	1.827	0.174
100	C32_Unbiased	1.729	1.533	0.196
100	C33_Unbiased	1.750	1.589	0.161
100	C34_Unbiased	1.912	1.790	0.122
100	C35_Unbiased	1.738	1.589	0.149
100	C36_Unbiased	1.599	1.533	0.065
100	C37_Unbiased	1.629	1.355	0.274
100	C38_Unbiased	1.774	1.685	0.089
	Max	2.597	2.615	0.018
	Average	1.835	1.713	0.122
	Min	1.221	0.985	0.236
	Std Dev	0.277	0.286	0.133

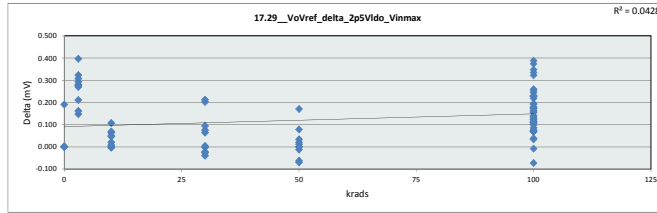


17.28_VoVref_delta_2p5Vldo_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
Krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.625	1.213	1.284	1.175	1.277	0.985
Average	1.762	1.644	1.721	1.667	1.851	1.701
Max	1.969	1.936	2.038	2.009	2.615	2.239
UL	6.000	6.000	6.000	6.000	6.000	6.000

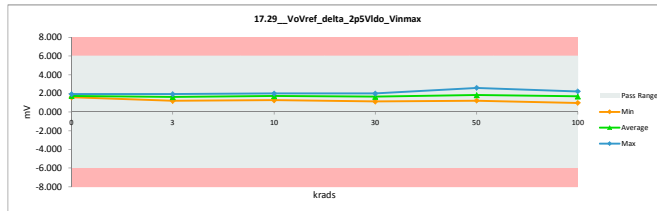


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17_29_VoVref_delta_2p5Vido_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	6	6		
Min Limit	-6	-6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.649	1.649	0.000
3	A79_Biased	2.073	1.749	0.324
3	A80_Biased	1.944	1.734	0.210
3	B1_Biased	1.608	1.461	0.148
3	B2_Biased	2.018	1.738	0.280
3	C1_Biased	2.013	1.743	0.270
3	A82_Unbiased	1.985	1.587	0.397
3	A83_Unbiased	1.857	1.563	0.294
3	B4_Unbiased	2.217	1.939	0.278
3	B5_Unbiased	1.519	1.211	0.308
3	C2_Unbiased	1.620	1.457	0.163
10	A85_Biased	2.117	2.010	0.107
10	A86_Biased	1.754	1.757	-0.003
10	B6_Biased	1.864	1.865	-0.001
10	C3_Biased	1.920	1.852	0.068
10	C4_Biased	1.984	1.935	0.049
10	A87_Unbiased	1.276	1.273	0.003
10	A88_Unbiased	1.924	1.860	0.065
10	B7_Unbiased	1.819	1.772	0.047
10	C5_Unbiased	1.556	1.536	0.020
10	C6_Unbiased	1.324	1.315	0.009
0	106_Corr	1.771	1.771	0.000
30	A89_Biased	1.765	1.761	0.004
30	B8_Biased	1.813	1.737	0.075
30	B9_Biased	1.748	1.546	0.203
30	C7_Biased	1.216	1.153	0.064
30	C9_Biased	1.736	1.738	-0.003
30	A90_Unbiased	1.986	2.009	-0.022
30	B10_Unbiased	1.383	1.289	0.094
30	B11_Unbiased	2.048	1.835	0.213
30	C11_Unbiased	1.570	1.609	-0.039
30	C12_Unbiased	1.756	1.783	-0.027
0	106_Corr	1.777	1.777	0.000
0	15B_Corr	1.927	1.927	0.000
50	A92_Biased	1.336	1.257	0.078
50	A93_Biased	1.798	1.777	0.021
50	B12_Biased	2.198	2.027	0.171
50	B13_Biased	1.263	1.228	0.034
50	C14_Biased	1.718	1.781	-0.063
50	A95_Unbiased	1.919	1.939	-0.020
50	A96_Unbiased	1.474	1.487	-0.013
50	B15_Unbiased	2.610	2.597	0.012
50	B16_Unbiased	2.071	2.072	-0.001
50	C15_Unbiased	2.156	2.153	0.002
0	106_Corr	1.771	1.771	0.000
100	A97_Biased	1.499	1.384	0.115
100	A99_Biased	2.258	2.160	0.098
100	A100_Biased	1.547	1.390	0.157
100	A101_Biased	1.887	1.849	0.038
100	A102_Biased	2.085	2.157	-0.072
100	A104_Biased	1.734	1.481	0.253
100	A105_Biased	2.035	1.895	0.140
100	B17_Biased	1.908	1.840	0.068
100	B18_Biased	2.485	2.163	0.322
100	B19_Biased	1.552	1.442	0.110
100	B20_Biased	1.815	1.442	0.374
100	B21_Biased	2.293	2.218	0.075
100	B24_Biased	1.676	1.600	0.076
100	B25_Biased	2.141	1.806	0.335
100	B26_Biased	1.448	1.379	0.069
100	C16_Biased	2.143	1.755	0.388
100	C17_Biased	1.994	1.961	0.034
100	C18_Biased	1.837	1.489	0.348
100	C19_Biased	1.456	1.283	0.172
100	C25_Biased	1.685	1.616	0.069
100	C26_Biased	2.279	2.174	0.105
100	C31_Biased	1.751	1.641	0.110
100	A107_Unbiased	1.233	0.988	0.245
100	A108_Unbiased	1.880	1.688	0.192
100	A109_Unbiased	2.109	1.976	0.133
100	A110_Unbiased	2.032	1.910	0.123
100	A111_Unbiased	2.172	1.992	0.180
100	A112_Unbiased	2.259	2.134	0.125
100	A113_Unbiased	1.709	1.479	0.231
100	B27_Unbiased	1.842	1.624	0.218
100	B29_Unbiased	1.922	1.694	0.228
100	B30_Unbiased	1.981	1.985	-0.004
100	B31_Unbiased	1.850	1.677	0.173
100	B32_Unbiased	1.673	1.443	0.229
100	B33_Unbiased	1.458	1.229	0.230
100	B34_Unbiased	2.146	1.917	0.229
100	B35_Unbiased	1.977	1.822	0.155
100	C32_Unbiased	1.668	1.492	0.176
100	C33_Unbiased	1.769	1.606	0.163
100	C34_Unbiased	1.771	1.779	-0.008
100	C35_Unbiased	1.693	1.553	0.140
100	C36_Unbiased	1.619	1.505	0.114
100	C37_Unbiased	1.585	1.325	0.260
100	C38_Unbiased	1.749	1.663	0.086
	Max	2.610	2.597	0.013
	Average	1.828	1.702	0.125
	Min	1.216	0.988	-0.072
	Std Dev	0.283	0.286	0.116

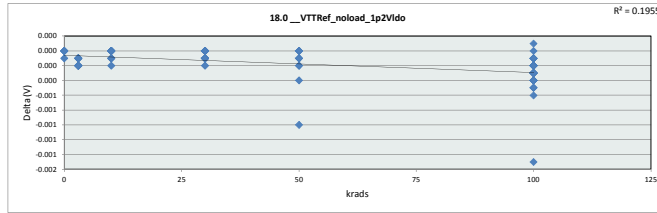


17_29_VoVref_delta_2p5Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	mV				
Min Limit	-6	mV				
Krads	LL	3	10	30	50	100
LL	-6.000	-6.000	-6.000	-6.000	-6.000	-6.000
Min	1.579	1.211	1.273	1.153	1.228	0.989
Average	1.741	1.618	1.717	1.646	1.837	1.696
Max	1.927	1.939	2.010	2.009	2.597	2.219
UL	6.000	6.000	6.000	6.000	6.000	6.000

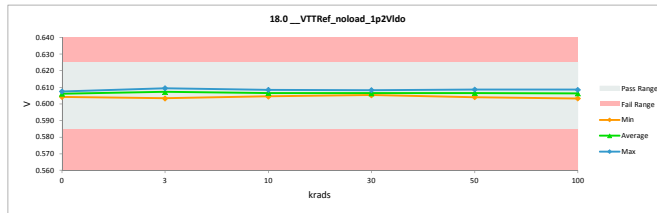


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18.0_VTTRef_noload_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.608	0.608	0.000
3	A79_Biased	0.609	0.609	0.000
3	A80_Biased	0.608	0.608	0.000
3	B1_Biased	0.608	0.608	0.000
3	B2_Biased	0.603	0.603	0.000
3	C1_Biased	0.606	0.607	0.000
3	A82_Unbiased	0.608	0.608	0.000
3	A83_Unbiased	0.609	0.609	0.000
3	B4_Unbiased	0.607	0.607	0.000
3	B5_Unbiased	0.606	0.606	0.000
3	C2_Unbiased	0.608	0.608	0.000
10	A85_Biased	0.604	0.604	0.000
10	A86_Biased	0.607	0.607	0.000
10	B6_Biased	0.608	0.608	0.000
10	C3_Biased	0.607	0.607	0.000
10	C4_Biased	0.608	0.608	0.000
10	A87_Unbiased	0.605	0.605	0.000
10	A88_Unbiased	0.608	0.609	0.000
10	B7_Unbiased	0.606	0.606	0.000
10	C5_Unbiased	0.608	0.608	0.000
10	C6_Unbiased	0.604	0.604	0.000
0	106_Corr	0.606	0.606	0.000
30	A89_Biased	0.606	0.606	0.000
30	B8_Biased	0.608	0.608	0.000
30	B9_Biased	0.605	0.606	0.000
30	C7_Biased	0.606	0.606	0.000
30	C9_Biased	0.606	0.606	0.000
30	A90_Unbiased	0.608	0.608	0.000
30	B10_Unbiased	0.605	0.605	0.000
30	B11_Unbiased	0.607	0.607	0.000
30	C11_Unbiased	0.607	0.607	0.000
30	C12_Unbiased	0.606	0.606	0.000
0	106_Corr	0.607	0.607	0.000
0	15B_Corr	0.604	0.604	0.000
50	A92_Biased	0.607	0.607	0.000
50	A93_Biased	0.607	0.607	0.000
50	B12_Biased	0.605	0.605	0.000
50	B13_Biased	0.605	0.605	0.000
50	C14_Biased	0.606	0.607	0.000
50	A95_Unbiased	0.604	0.604	0.000
50	A96_Unbiased	0.607	0.607	0.000
50	B15_Unbiased	0.608	0.608	0.000
50	B16_Unbiased	0.605	0.605	0.000
50	C15_Unbiased	0.608	0.609	-0.001
0	106_Corr	0.607	0.607	0.000
100	A97_Biased	0.606	0.606	0.000
100	A99_Biased	0.607	0.607	0.000
100	A100_Biased	0.603	0.604	0.000
100	A101_Biased	0.607	0.607	0.000
100	A102_Biased	0.608	0.608	-0.001
100	A104_Biased	0.607	0.607	0.000
100	A105_Biased	0.605	0.605	0.000
100	B17_Biased	0.607	0.607	0.000
100	B18_Biased	0.603	0.603	0.000
100	B19_Biased	0.604	0.605	0.000
100	B20_Biased	0.607	0.607	0.000
100	B21_Biased	0.607	0.607	0.000
100	B24_Biased	0.604	0.605	0.000
100	B25_Biased	0.606	0.606	0.000
100	B26_Biased	0.603	0.603	0.000
100	C16_Biased	0.608	0.608	0.000
100	C17_Biased	0.607	0.607	0.000
100	C18_Biased	0.608	0.608	-0.001
100	C19_Biased	0.606	0.606	0.000
100	C25_Biased	0.606	0.607	0.000
100	C26_Biased	0.607	0.608	0.000
100	C31_Biased	0.608	0.609	0.000
100	A107_Unbiased	0.606	0.607	0.000
100	A108_Unbiased	0.607	0.607	-0.001
100	A109_Unbiased	0.608	0.608	0.000
100	A110_Unbiased	0.608	0.608	0.000
100	A111_Unbiased	0.607	0.607	0.000
100	A112_Unbiased	0.608	0.608	0.000
100	A113_Unbiased	0.608	0.608	0.000
100	B27_Unbiased	0.604	0.606	-0.001
100	B29_Unbiased	0.607	0.607	0.000
100	B30_Unbiased	0.606	0.606	0.000
100	B31_Unbiased	0.606	0.607	0.000
100	B32_Unbiased	0.607	0.607	0.000
100	B33_Unbiased	0.605	0.605	0.000
100	B34_Unbiased	0.605	0.606	0.000
100	B35_Unbiased	0.605	0.605	0.000
100	C32_Unbiased	0.605	0.605	0.000
100	C33_Unbiased	0.606	0.607	0.000
100	C34_Unbiased	0.606	0.606	0.000
100	C35_Unbiased	0.605	0.605	0.000
100	C36_Unbiased	0.607	0.608	0.000
100	C37_Unbiased	0.605	0.605	0.000
100	C38_Unbiased	0.606	0.607	0.000
	Max	0.609	0.609	0.000
	Average	0.607	0.607	0.000
	Min	0.603	0.603	-0.001
	Std Dev	0.001	0.001	0.000

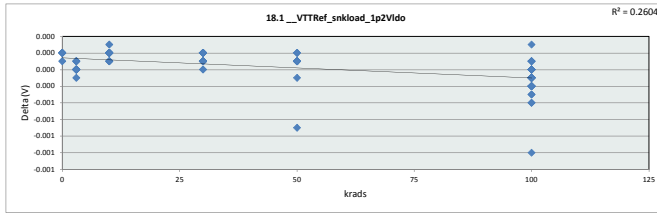


18.0_VTTRef_noload_1p2Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
Krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.604	0.603	0.605	0.605	0.604	0.603
Average	0.606	0.607	0.607	0.606	0.607	0.606
Max	0.608	0.610	0.609	0.608	0.609	0.609
UL	0.625	0.625	0.625	0.625	0.625	0.625

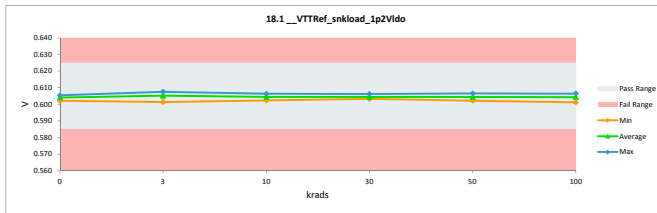


TID 100krad LDR Report
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18.1_VTTRef_snkload_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.605	0.605	0.000
3	A79_Biased	0.607	0.608	0.000
3	A80_Biased	0.606	0.606	0.000
3	B1_Biased	0.605	0.606	0.000
3	B2_Biased	0.601	0.601	0.000
3	C1_Biased	0.604	0.604	0.000
3	A82_Unbiased	0.606	0.606	0.000
3	A83_Unbiased	0.606	0.607	0.000
3	B4_Unbiased	0.604	0.605	0.000
3	B5_Unbiased	0.604	0.604	0.000
3	C2_Unbiased	0.606	0.606	0.000
10	A85_Biased	0.603	0.602	0.000
10	A86_Biased	0.604	0.604	0.000
10	B6_Biased	0.606	0.606	0.000
10	C3_Biased	0.605	0.605	0.000
10	C4_Biased	0.606	0.606	0.000
10	A87_Unbiased	0.603	0.603	0.000
10	A88_Unbiased	0.606	0.606	0.000
10	B7_Unbiased	0.604	0.604	0.000
10	C5_Unbiased	0.605	0.605	0.000
10	C6_Unbiased	0.603	0.603	0.000
0	106_Corr	0.604	0.604	0.000
30	A89_Biased	0.604	0.604	0.000
30	B8_Biased	0.606	0.606	0.000
30	B9_Biased	0.604	0.604	0.000
30	C7_Biased	0.604	0.604	0.000
30	C9_Biased	0.604	0.604	0.000
30	A90_Unbiased	0.606	0.606	0.000
30	B10_Unbiased	0.603	0.603	0.000
30	B11_Unbiased	0.605	0.605	0.000
30	C11_Unbiased	0.604	0.604	0.000
30	C12_Unbiased	0.604	0.604	0.000
0	106_Corr	0.604	0.604	0.000
0	15B_Corr	0.602	0.602	0.000
50	A92_Biased	0.605	0.605	0.000
50	A93_Biased	0.605	0.605	0.000
50	B12_Biased	0.603	0.603	0.000
50	B13_Biased	0.603	0.603	0.000
50	C14_Biased	0.604	0.604	0.000
50	A95_Unbiased	0.602	0.602	0.000
50	A96_Unbiased	0.604	0.605	0.000
50	B15_Unbiased	0.606	0.606	0.000
50	B16_Unbiased	0.603	0.604	0.000
50	C15_Unbiased	0.606	0.607	-0.001
0	106_Corr	0.604	0.604	0.000
100	A97_Biased	0.604	0.604	0.000
100	A99_Biased	0.605	0.605	0.000
100	A100_Biased	0.601	0.602	0.000
100	A101_Biased	0.605	0.605	0.000
100	A102_Biased	0.605	0.606	-0.001
100	A104_Biased	0.605	0.605	0.000
100	A105_Biased	0.603	0.603	0.000
100	B17_Biased	0.604	0.605	0.000
100	B18_Biased	0.601	0.601	0.000
100	B19_Biased	0.602	0.603	0.000
100	B20_Biased	0.605	0.605	0.000
100	B21_Biased	0.605	0.605	0.000
100	B24_Biased	0.602	0.603	0.000
100	B25_Biased	0.604	0.604	0.000
100	B26_Biased	0.601	0.601	0.000
100	C16_Biased	0.606	0.606	0.000
100	C17_Biased	0.605	0.605	0.000
100	C18_Biased	0.606	0.606	-0.001
100	C19_Biased	0.604	0.604	0.000
100	C25_Biased	0.604	0.605	-0.001
100	C26_Biased	0.605	0.605	0.000
100	C31_Biased	0.606	0.607	0.000
100	A107_Unbiased	0.604	0.604	0.000
100	A108_Unbiased	0.605	0.605	0.000
100	A109_Unbiased	0.606	0.606	0.000
100	A110_Unbiased	0.605	0.605	0.000
100	A111_Unbiased	0.605	0.605	0.000
100	A112_Unbiased	0.606	0.606	0.000
100	A113_Unbiased	0.605	0.606	0.000
100	B27_Unbiased	0.602	0.603	-0.001
100	B29_Unbiased	0.605	0.605	0.000
100	B30_Unbiased	0.604	0.604	0.000
100	B31_Unbiased	0.604	0.605	-0.001
100	B32_Unbiased	0.604	0.605	0.000
100	B33_Unbiased	0.603	0.603	0.000
100	B34_Unbiased	0.603	0.604	0.000
100	B35_Unbiased	0.603	0.603	0.000
100	C32_Unbiased	0.603	0.603	0.000
100	C33_Unbiased	0.604	0.605	0.000
100	C34_Unbiased	0.604	0.604	0.000
100	C35_Unbiased	0.603	0.603	0.000
100	C36_Unbiased	0.605	0.606	0.000
100	C37_Unbiased	0.603	0.603	0.000
100	C38_Unbiased	0.604	0.605	0.000
	Max	0.607	0.608	0.000
	Average	0.604	0.604	0.000
	Min	0.601	0.601	-0.001
	Std Dev	0.001	0.001	0.000

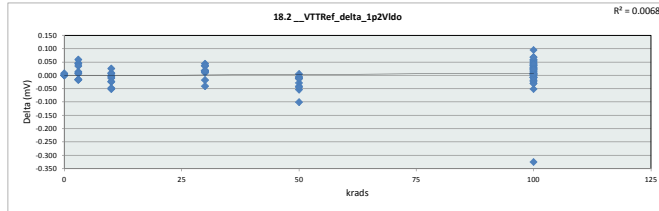


18.1_VTTRef_snkload_1p2VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
Krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.602	0.601	0.602	0.603	0.602	0.601
Average	0.604	0.605	0.604	0.604	0.604	0.604
Max	0.606	0.608	0.606	0.606	0.607	0.607
UL	0.625	0.625	0.625	0.625	0.625	0.625

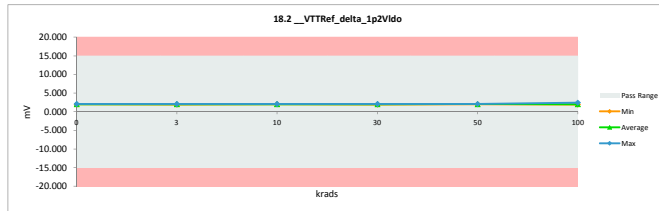


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18.2_VTTRef_delta_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.968	1.968	0.000
3	A79_Biased	2.093	2.047	0.046
3	A80_Biased	2.034	1.990	0.044
3	B1_Biased	2.062	2.055	0.007
3	B2_Biased	2.077	2.092	-0.015
3	C1_Biased	2.030	2.046	-0.016
3	A82_Unbiased	1.996	1.951	0.035
3	A83_Unbiased	2.076	2.017	0.059
3	B4_Unbiased	2.122	2.108	0.014
3	B5_Unbiased	2.067	2.058	0.009
3	C2_Unbiased	2.048	2.064	-0.016
10	A85_Biased	2.054	2.056	-0.002
10	A86_Biased	2.019	2.025	-0.006
10	B6_Biased	2.083	2.107	-0.024
10	C3_Biased	2.027	2.078	-0.051
10	C4_Biased	2.066	2.054	-0.048
10	A87_Unbiased	2.004	1.997	0.007
10	A88_Unbiased	2.106	2.097	0.009
10	B7_Unbiased	2.070	2.044	0.026
10	C5_Unbiased	1.993	2.003	-0.010
10	C6_Unbiased	1.980	2.003	-0.023
0	106_Corr	2.061	2.053	0.008
30	A89_Biased	1.979	1.935	0.044
30	B8_Biased	2.119	2.109	0.010
30	B9_Biased	2.073	2.054	0.019
30	C7_Biased	2.018	2.058	-0.040
30	C9_Biased	2.036	2.020	0.016
30	A90_Unbiased	1.978	1.962	0.016
30	B10_Unbiased	2.052	2.017	0.035
30	B11_Unbiased	2.060	2.024	0.036
30	C11_Unbiased	2.041	2.017	0.024
30	C12_Unbiased	2.044	2.025	0.019
0	106_Corr	2.086	2.086	0.000
0	15B_Corr	2.026	2.026	0.000
50	A92_Biased	1.994	2.022	-0.028
50	A93_Biased	2.047	2.054	-0.007
50	B12_Biased	2.011	2.023	-0.012
50	B13_Biased	2.024	2.124	-0.100
50	C14_Biased	2.012	2.066	-0.054
50	A95_Unbiased	2.016	2.022	-0.006
50	A96_Unbiased	2.054	2.094	-0.040
50	B15_Unbiased	2.041	2.036	0.005
50	B16_Unbiased	2.051	2.064	-0.013
50	C15_Unbiased	2.021	2.065	-0.044
0	106_Corr	2.061	2.053	0.008
100	A97_Biased	1.990	1.964	0.026
100	A99_Biased	2.013	2.011	0.002
100	A100_Biased	2.017	2.020	-0.003
100	A101_Biased	2.104	2.062	0.042
100	A102_Biased	2.100	2.043	0.057
100	A104_Biased	2.034	1.976	0.058
100	A105_Biased	1.980	2.000	-0.020
100	B17_Biased	2.117	2.049	0.068
100	B18_Biased	2.094	2.049	0.045
100	B19_Biased	2.070	2.051	0.019
100	B20_Biased	2.032	2.026	0.006
100	B21_Biased	2.060	2.049	0.011
100	B24_Biased	2.064	2.059	0.005
100	B25_Biased	2.087	2.048	0.039
100	B26_Biased	2.023	1.993	0.030
100	C16_Biased	2.031	1.999	0.032
100	C17_Biased	2.034	1.998	0.036
100	C18_Biased	2.031	1.981	0.050
100	C19_Biased	2.050	2.079	-0.029
100	C25_Biased	1.989	1.997	-0.008
100	C26_Biased	2.075	2.061	0.014
100	C31_Biased	2.108	2.131	-0.023
100	A107_Unbiased	2.055	2.055	0.000
100	A108_Unbiased	2.055	2.027	0.028
100	A109_Unbiased	1.996	1.960	0.036
100	A110_Unbiased	2.056	2.031	0.025
100	A111_Unbiased	2.076	2.017	0.059
100	A112_Unbiased	2.014	1.998	0.016
100	A113_Unbiased	2.020	1.968	0.052
100	B27_Unbiased	2.131	2.456	-0.325
100	B29_Unbiased	2.001	1.979	0.022
100	B30_Unbiased	2.145	2.050	0.095
100	B31_Unbiased	2.052	1.983	0.069
100	B32_Unbiased	2.074	2.032	0.042
100	B33_Unbiased	2.019	2.050	-0.031
100	B34_Unbiased	2.061	2.056	0.005
100	B35_Unbiased	2.041	2.036	0.005
100	C32_Unbiased	2.022	2.030	-0.008
100	C33_Unbiased	2.035	2.043	-0.008
100	C34_Unbiased	2.028	2.045	-0.017
100	C35_Unbiased	2.057	2.066	-0.009
100	C36_Unbiased	2.067	2.062	0.005
100	C37_Unbiased	1.960	2.011	-0.051
100	C38_Unbiased	2.052	2.029	0.023
	Max	2.145	2.456	0.095
	Average	2.044	2.040	0.004
	Min	1.960	1.935	-0.325
	Std Dev	0.039	0.059	0.048

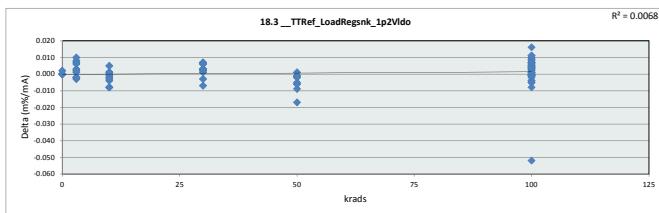


18.2_VTTRef_delta_1p2Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	LL	Min	Average	Max	UL	
0	-15.000	1.968	2.039	2.086	15.000	
3	-15.000	1.951	2.043	2.108	15.000	
10	-15.000	1.997	2.046	2.107	15.000	
30	-15.000	1.935	2.025	2.109	15.000	
50	-15.000	2.022	2.057	2.124	15.000	
100	-15.000	1.960	2.037	2.456	15.000	

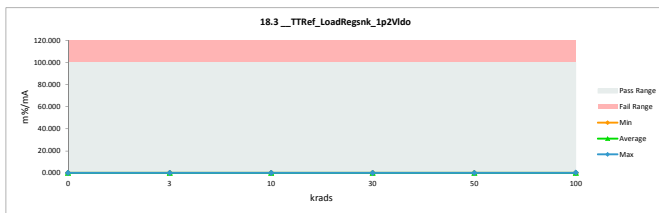


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18.3 TTRef_LoadReqsnk_1p2V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.324	0.324	0.000
3	A79_Biased	0.343	0.336	0.007
3	A80_Biased	0.335	0.327	0.008
3	B1_Biased	0.339	0.338	0.001
3	B2_Biased	0.344	0.347	-0.003
3	C1_Biased	0.335	0.337	-0.002
3	A82_Unbiased	0.327	0.321	0.006
3	A83_Unbiased	0.341	0.331	0.010
3	B4_Unbiased	0.350	0.347	0.003
3	B5_Unbiased	0.341	0.339	0.002
3	C2_Unbiased	0.337	0.339	-0.002
10	A85_Biased	0.340	0.340	0.000
10	A86_Biased	0.333	0.334	-0.001
10	B6_Biased	0.342	0.346	-0.004
10	C3_Biased	0.334	0.342	-0.008
10	C4_Biased	0.330	0.338	-0.008
10	A87_Unbiased	0.331	0.330	0.001
10	A88_Unbiased	0.346	0.345	0.001
10	B7_Unbiased	0.342	0.337	0.005
10	C5_Unbiased	0.328	0.330	-0.002
10	C6_Unbiased	0.328	0.331	-0.003
0	106_Corr	0.340	0.340	0.000
30	A89_Biased	0.327	0.320	0.007
30	B8_Biased	0.348	0.347	0.001
30	B9_Biased	0.342	0.339	0.003
30	C7_Biased	0.333	0.340	-0.007
30	C9_Biased	0.336	0.333	0.003
30	A90_Unbiased	0.325	0.323	0.002
30	B10_Unbiased	0.339	0.333	0.006
30	B11_Unbiased	0.339	0.333	0.006
30	C11_Unbiased	0.334	0.337	-0.003
30	C12_Unbiased	0.337	0.334	0.003
0	106_Corr	0.344	0.344	0.000
0	15B_Corr	0.335	0.335	0.000
50	A92_Biased	0.328	0.333	-0.005
50	A93_Biased	0.337	0.338	-0.001
50	B12_Biased	0.332	0.334	-0.002
50	B13_Biased	0.334	0.351	-0.017
50	C14_Biased	0.332	0.341	-0.009
50	A95_Unbiased	0.334	0.335	-0.001
50	A96_Unbiased	0.339	0.345	-0.006
50	B15_Unbiased	0.336	0.335	0.001
50	B16_Unbiased	0.339	0.341	-0.002
50	C15_Unbiased	0.333	0.339	-0.006
0	106_Corr	0.340	0.340	0.000
100	A97_Biased	0.328	0.324	0.004
100	A99_Biased	0.332	0.331	0.001
100	A100_Biased	0.334	0.335	-0.001
100	A101_Biased	0.347	0.340	0.007
100	A102_Biased	0.346	0.336	0.010
100	A104_Biased	0.335	0.326	0.009
100	A105_Biased	0.327	0.331	-0.004
100	B17_Biased	0.349	0.338	0.011
100	B18_Biased	0.347	0.340	0.007
100	B19_Biased	0.342	0.339	0.003
100	B20_Biased	0.335	0.334	0.001
100	B21_Biased	0.339	0.337	0.002
100	B24_Biased	0.341	0.341	0.000
100	B25_Biased	0.345	0.338	0.007
100	B26_Biased	0.335	0.330	0.005
100	C16_Biased	0.334	0.329	0.005
100	C17_Biased	0.335	0.329	0.006
100	C18_Biased	0.334	0.326	0.008
100	C19_Biased	0.338	0.343	-0.005
100	C25_Biased	0.328	0.329	-0.001
100	C26_Biased	0.342	0.339	0.003
100	C31_Biased	0.346	0.350	-0.004
100	A107_Unbiased	0.339	0.339	0.000
100	A108_Unbiased	0.339	0.334	0.005
100	A109_Unbiased	0.328	0.322	0.006
100	A110_Unbiased	0.339	0.334	0.005
100	A111_Unbiased	0.342	0.332	0.010
100	A112_Unbiased	0.331	0.328	0.003
100	A113_Unbiased	0.333	0.324	0.009
100	B27_Unbiased	0.353	0.405	-0.052
100	B29_Unbiased	0.330	0.326	0.004
100	B30_Unbiased	0.354	0.338	0.016
100	B31_Unbiased	0.338	0.327	0.011
100	B32_Unbiased	0.342	0.335	0.007
100	B33_Unbiased	0.334	0.339	-0.005
100	B34_Unbiased	0.340	0.340	0.000
100	B35_Unbiased	0.337	0.337	0.000
100	C32_Unbiased	0.334	0.335	-0.001
100	C33_Unbiased	0.336	0.337	-0.001
100	C34_Unbiased	0.335	0.337	-0.002
100	C35_Unbiased	0.340	0.341	-0.001
100	C36_Unbiased	0.340	0.339	0.001
100	C37_Unbiased	0.324	0.332	-0.008
100	C38_Unbiased	0.338	0.334	0.004
	Max	0.354	0.405	0.016
	Average	0.337	0.336	0.001
	Min	0.324	0.320	-0.052
	Std Dev	0.006	0.010	0.008

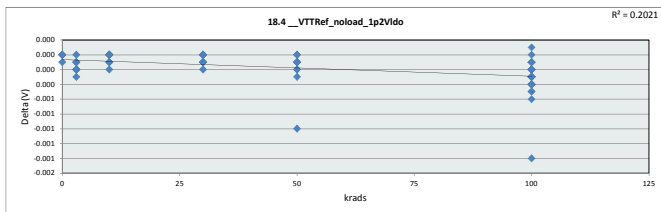


18.3 TTRef_LoadReqsnk_1p2V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.324	0.321	0.330	0.320	0.333	0.322
Average	0.336	0.336	0.337	0.334	0.339	0.336
Max	0.344	0.347	0.346	0.347	0.351	0.405
UL	100.000	100.000	100.000	100.000	100.000	100.000

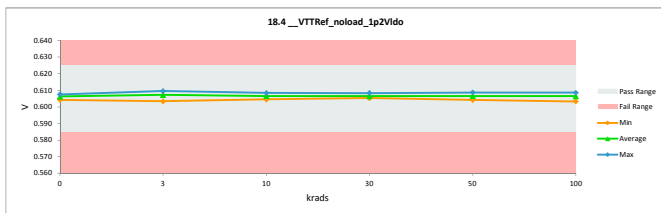


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18.4_VTTRef_noload_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.608	0.608	0.000
3	A79_Biased	0.609	0.609	0.000
3	A80_Biased	0.608	0.608	0.000
3	B1_Biased	0.608	0.608	0.000
3	B2_Biased	0.603	0.603	0.000
3	C1_Biased	0.606	0.607	0.000
3	A82_Unbiased	0.608	0.608	0.000
3	A83_Unbiased	0.609	0.609	0.000
3	B4_Unbiased	0.607	0.607	0.000
3	B5_Unbiased	0.606	0.606	0.000
3	C2_Unbiased	0.608	0.608	0.000
10	A85_Biased	0.604	0.604	0.000
10	A86_Biased	0.607	0.607	0.000
10	B6_Biased	0.608	0.608	0.000
10	C3_Biased	0.607	0.607	0.000
10	C4_Biased	0.608	0.608	0.000
10	A87_Unbiased	0.605	0.605	0.000
10	A88_Unbiased	0.608	0.608	0.000
10	B7_Unbiased	0.606	0.606	0.000
10	C5_Unbiased	0.608	0.608	0.000
10	C6_Unbiased	0.604	0.604	0.000
0	106_Corr	0.606	0.606	0.000
30	A89_Biased	0.606	0.606	0.000
30	B8_Biased	0.608	0.608	0.000
30	B9_Biased	0.606	0.606	0.000
30	C7_Biased	0.606	0.606	0.000
30	C9_Biased	0.606	0.606	0.000
30	A90_Unbiased	0.608	0.608	0.000
30	B10_Unbiased	0.605	0.605	0.000
30	B11_Unbiased	0.607	0.607	0.000
30	C11_Unbiased	0.607	0.607	0.000
30	C12_Unbiased	0.606	0.606	0.000
0	106_Corr	0.607	0.607	0.000
0	15B_Corr	0.604	0.604	0.000
50	A92_Biased	0.607	0.607	0.000
50	A93_Biased	0.607	0.607	0.000
50	B12_Biased	0.605	0.605	0.000
50	B13_Biased	0.605	0.605	0.000
50	C14_Biased	0.606	0.607	0.000
50	A95_Unbiased	0.604	0.604	0.000
50	A96_Unbiased	0.607	0.607	0.000
50	B15_Unbiased	0.608	0.608	0.000
50	B16_Unbiased	0.605	0.605	0.000
50	C15_Unbiased	0.608	0.609	-0.001
0	106_Corr	0.607	0.607	0.000
100	A97_Biased	0.606	0.606	0.000
100	A99_Biased	0.607	0.607	0.000
100	A100_Biased	0.603	0.604	0.000
100	A101_Biased	0.607	0.607	0.000
100	A102_Biased	0.608	0.608	-0.001
100	A104_Biased	0.607	0.607	0.000
100	A105_Biased	0.605	0.605	0.000
100	B17_Biased	0.607	0.607	0.000
100	B18_Biased	0.603	0.603	0.000
100	B19_Biased	0.604	0.605	0.000
100	B20_Biased	0.607	0.607	0.000
100	B21_Biased	0.607	0.607	0.000
100	B24_Biased	0.604	0.605	0.000
100	B25_Biased	0.606	0.606	0.000
100	B26_Biased	0.603	0.603	0.000
100	C16_Biased	0.608	0.608	0.000
100	C17_Biased	0.607	0.607	0.000
100	C18_Biased	0.608	0.608	-0.001
100	C19_Biased	0.606	0.606	0.000
100	C25_Biased	0.606	0.607	0.000
100	C26_Biased	0.607	0.608	0.000
100	C31_Biased	0.608	0.609	0.000
100	A107_Unbiased	0.606	0.607	0.000
100	A108_Unbiased	0.607	0.607	0.000
100	A109_Unbiased	0.608	0.608	0.000
100	A110_Unbiased	0.607	0.608	0.000
100	A111_Unbiased	0.607	0.607	0.000
100	A112_Unbiased	0.608	0.608	0.000
100	A113_Unbiased	0.608	0.608	0.000
100	B27_Unbiased	0.604	0.606	-0.001
100	B29_Unbiased	0.607	0.607	0.000
100	B30_Unbiased	0.606	0.606	0.000
100	B31_Unbiased	0.606	0.607	0.000
100	B32_Unbiased	0.607	0.607	0.000
100	B33_Unbiased	0.605	0.605	0.000
100	B34_Unbiased	0.605	0.605	0.000
100	B35_Unbiased	0.605	0.605	0.000
100	C32_Unbiased	0.605	0.605	0.000
100	C33_Unbiased	0.606	0.607	0.000
100	C34_Unbiased	0.606	0.606	0.000
100	C35_Unbiased	0.605	0.605	0.000
100	C36_Unbiased	0.607	0.608	0.000
100	C37_Unbiased	0.605	0.605	0.000
100	C38_Unbiased	0.606	0.607	0.000
	Max	0.609	0.609	0.000
	Average	0.607	0.607	0.000
	Min	0.603	0.603	-0.001
	Std Dev	0.001	0.001	0.000

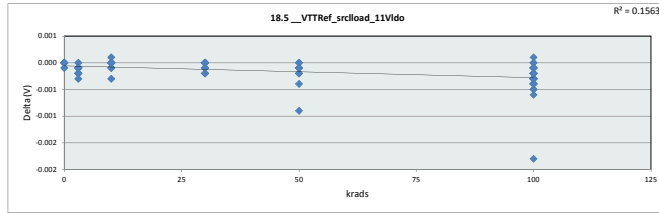


18.4_VTTRef_noload_1p2Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
Krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.604	0.603	0.605	0.605	0.604	0.603
Average	0.606	0.607	0.607	0.606	0.607	0.606
Max	0.608	0.610	0.608	0.608	0.609	0.609
UL	0.625	0.625	0.625	0.625	0.625	0.625

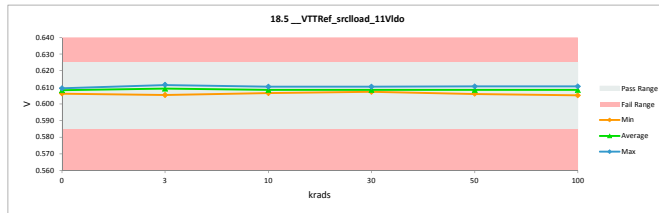


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18.5_VTTRef_srcload_11Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.609	0.609	0.000
3	A79_Biased	0.611	0.612	0.000
3	A80_Biased	0.610	0.610	0.000
3	B1_Biased	0.610	0.610	0.000
3	B2_Biased	0.605	0.605	0.000
3	C1_Biased	0.608	0.609	0.000
3	A82_Unbiased	0.610	0.610	0.000
3	A83_Unbiased	0.610	0.611	0.000
3	B4_Unbiased	0.609	0.609	0.000
3	B5_Unbiased	0.608	0.609	0.000
3	C2_Unbiased	0.610	0.610	0.000
10	A85_Biased	0.607	0.607	0.000
10	A86_Biased	0.609	0.609	0.000
10	B6_Biased	0.610	0.610	0.000
10	C3_Biased	0.609	0.609	0.000
10	C4_Biased	0.610	0.610	0.000
10	A87_Unbiased	0.607	0.607	0.000
10	A88_Unbiased	0.610	0.610	0.000
10	B7_Unbiased	0.608	0.608	0.000
10	C5_Unbiased	0.610	0.610	0.000
10	C6_Unbiased	0.606	0.607	0.000
0	106_Corr	0.609	0.609	0.000
30	A89_Biased	0.608	0.608	0.000
30	B8_Biased	0.610	0.610	0.000
30	B9_Biased	0.608	0.608	0.000
30	C7_Biased	0.608	0.608	0.000
30	C9_Biased	0.608	0.608	0.000
30	A90_Unbiased	0.610	0.610	0.000
30	B10_Unbiased	0.607	0.607	0.000
30	B11_Unbiased	0.609	0.609	0.000
30	C11_Unbiased	0.609	0.609	0.000
30	C12_Unbiased	0.608	0.608	0.000
0	106_Corr	0.609	0.609	0.000
0	15B_Corr	0.606	0.606	0.000
50	A92_Biased	0.609	0.609	0.000
50	A93_Biased	0.609	0.609	0.000
50	B12_Biased	0.607	0.607	0.000
50	B13_Biased	0.607	0.608	0.000
50	C14_Biased	0.608	0.609	0.000
50	A95_Unbiased	0.606	0.606	0.000
50	A96_Unbiased	0.609	0.609	0.000
50	B15_Unbiased	0.610	0.610	0.000
50	B16_Unbiased	0.608	0.608	0.000
50	C15_Unbiased	0.610	0.611	-0.001
0	106_Corr	0.609	0.609	0.000
100	A97_Biased	0.608	0.608	0.000
100	A99_Biased	0.609	0.609	0.000
100	A100_Biased	0.605	0.606	0.000
100	A101_Biased	0.609	0.609	0.000
100	A102_Biased	0.610	0.610	0.000
100	A104_Biased	0.609	0.609	0.000
100	A105_Biased	0.607	0.607	0.000
100	B17_Biased	0.609	0.609	0.000
100	B18_Biased	0.605	0.605	0.000
100	B19_Biased	0.607	0.607	0.000
100	B20_Biased	0.609	0.609	0.000
100	B21_Biased	0.609	0.609	0.000
100	B24_Biased	0.607	0.607	0.000
100	B25_Biased	0.608	0.608	0.000
100	B26_Biased	0.605	0.605	0.000
100	C16_Biased	0.610	0.610	0.000
100	C17_Biased	0.609	0.609	0.000
100	C18_Biased	0.610	0.610	-0.001
100	C19_Biased	0.608	0.608	0.000
100	C25_Biased	0.608	0.609	-0.001
100	C26_Biased	0.609	0.610	0.000
100	C31_Biased	0.610	0.611	0.000
100	A107_Unbiased	0.608	0.609	0.000
100	A108_Unbiased	0.609	0.609	0.000
100	A109_Unbiased	0.610	0.610	0.000
100	A110_Unbiased	0.609	0.610	0.000
100	A111_Unbiased	0.609	0.609	0.000
100	A112_Unbiased	0.610	0.610	0.000
100	A113_Unbiased	0.610	0.610	0.000
100	B27_Unbiased	0.607	0.608	-0.002
100	B29_Unbiased	0.609	0.609	0.000
100	B30_Unbiased	0.608	0.608	0.000
100	B31_Unbiased	0.609	0.609	0.000
100	B32_Unbiased	0.609	0.609	0.000
100	B33_Unbiased	0.607	0.607	0.000
100	B34_Unbiased	0.608	0.608	0.000
100	B35_Unbiased	0.607	0.607	0.000
100	C32_Unbiased	0.607	0.607	0.000
100	C33_Unbiased	0.609	0.609	0.000
100	C34_Unbiased	0.608	0.608	0.000
100	C35_Unbiased	0.607	0.607	0.000
100	C36_Unbiased	0.609	0.610	0.000
100	C37_Unbiased	0.607	0.607	0.000
100	C38_Unbiased	0.609	0.609	0.000
	Max	0.611	0.612	0.000
	Average	0.608	0.609	0.000
	Min	0.605	0.605	-0.002
	Std Dev	0.001	0.001	0.000

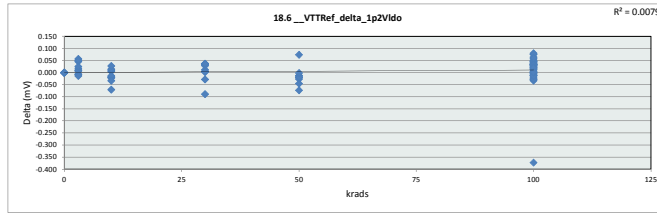


18.5_VTTRef_srcload_11Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
Krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.606	0.606	0.607	0.607	0.606	0.605
Average	0.608	0.609	0.609	0.609	0.609	0.608
Max	0.610	0.612	0.611	0.610	0.611	0.611
UL	0.625	0.625	0.625	0.625	0.625	0.625

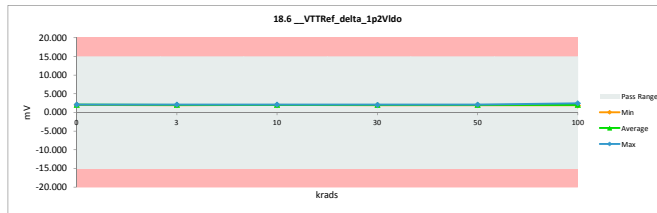


TID 100krad LDR Report
TPS7H3301-SP

18.6_VTTRef_delta_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.039	2.039	0.000
3	A79_Biased	2.012	2.019	-0.007
3	A80_Biased	2.108	2.062	0.046
3	B1_Biased	2.113	2.097	0.016
3	B2_Biased	2.085	2.092	-0.007
3	C1_Biased	2.077	2.069	0.008
3	A82_Unbiased	2.046	1.989	0.057
3	A83_Unbiased	2.007	2.000	0.007
3	B4_Unbiased	2.175	2.150	0.025
3	B5_Unbiased	2.131	2.081	0.050
3	C2_Unbiased	2.110	2.124	-0.014
10	A85_Biased	2.066	2.061	0.005
10	A86_Biased	2.068	2.088	-0.020
10	B6_Biased	2.029	2.046	-0.017
10	C3_Biased	2.063	2.134	-0.071
10	C4_Biased	2.095	2.117	-0.022
10	A87_Unbiased	2.006	1.996	0.010
10	A88_Unbiased	2.047	2.033	0.014
10	B7_Unbiased	2.097	2.069	0.028
10	C5_Unbiased	2.058	2.071	-0.013
10	C6_Unbiased	1.981	2.015	-0.034
0	106_Corr	2.119	2.119	0.000
30	A89_Biased	1.983	1.954	0.029
30	B8_Biased	2.083	2.047	0.036
30	B9_Biased	2.072	2.037	0.035
30	C7_Biased	2.009	2.098	-0.089
30	C9_Biased	2.019	2.008	0.011
30	A90_Unbiased	2.053	2.048	0.005
30	B10_Unbiased	2.050	2.013	0.037
30	B11_Unbiased	2.112	2.075	0.037
30	C11_Unbiased	2.062	2.090	-0.028
30	C12_Unbiased	2.093	2.091	0.002
0	106_Corr	2.154	2.154	0.000
0	15B_Corr	2.049	2.049	0.000
50	A92_Biased	2.054	2.081	-0.027
50	A93_Biased	2.100	2.112	-0.012
50	B12_Biased	2.027	2.040	-0.013
50	B13_Biased	2.030	2.103	-0.073
50	C14_Biased	2.065	2.110	-0.045
50	A95_Unbiased	2.028	2.047	-0.019
50	A96_Unbiased	2.113	2.135	-0.022
50	B15_Unbiased	1.968	1.987	-0.019
50	B16_Unbiased	2.045	2.047	-0.002
50	C15_Unbiased	2.072	1.998	0.074
0	106_Corr	2.119	2.119	0.000
100	A97_Biased	2.013	1.938	0.075
100	A99_Biased	2.081	2.045	0.036
100	A100_Biased	2.035	2.003	0.032
100	A101_Biased	2.152	2.096	0.056
100	A102_Biased	2.162	2.082	0.080
100	A104_Biased	2.093	2.050	0.043
100	A105_Biased	2.014	1.981	0.033
100	B17_Biased	2.169	2.119	0.050
100	B18_Biased	2.062	2.094	-0.012
100	B19_Biased	2.078	2.038	0.040
100	B20_Biased	2.099	2.054	0.045
100	B21_Biased	2.108	2.081	0.027
100	B24_Biased	2.070	2.034	0.036
100	B25_Biased	2.076	2.028	0.048
100	B26_Biased	2.021	2.045	-0.024
100	C16_Biased	2.097	2.052	0.045
100	C17_Biased	2.083	2.072	0.011
100	C18_Biased	2.074	2.038	0.036
100	C19_Biased	2.055	2.085	-0.030
100	C25_Biased	2.016	2.049	-0.033
100	C26_Biased	2.126	2.131	-0.005
100	C31_Biased	2.044	2.063	-0.019
100	A107_Unbiased	2.124	2.124	-0.003
100	A108_Unbiased	2.114	2.050	0.064
100	A109_Unbiased	2.042	2.054	-0.012
100	A110_Unbiased	2.093	2.067	0.026
100	A111_Unbiased	2.112	2.032	0.030
100	A112_Unbiased	2.070	1.994	0.076
100	A113_Unbiased	2.074	2.040	0.034
100	B27_Unbiased	2.116	2.488	-0.372
100	B29_Unbiased	2.032	2.060	-0.028
100	B30_Unbiased	2.020	2.060	0.040
100	B31_Unbiased	2.104	2.073	0.031
100	B32_Unbiased	2.136	2.114	0.022
100	B33_Unbiased	2.027	2.036	-0.009
100	B34_Unbiased	2.059	2.042	0.017
100	B35_Unbiased	2.031	2.019	0.012
100	C32_Unbiased	2.029	2.009	0.020
100	C33_Unbiased	2.097	2.110	-0.013
100	C34_Unbiased	2.083	2.082	0.001
100	C35_Unbiased	2.061	2.060	0.001
100	C36_Unbiased	2.124	2.119	0.005
100	C37_Unbiased	1.979	1.959	0.020
100	C38_Unbiased	2.106	2.104	0.002
	Max	2.175	2.488	0.080
	Average	2.072	2.066	0.006
	Min	1.968	1.938	-0.372
	Std Dev	0.045	0.064	0.052

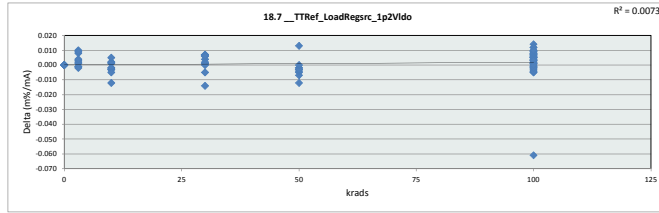


18.6_VTTRef_delta_1p2VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	LL	3	10	30	50	100
	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
	2.039	1.989	1.996	1.954	1.987	1.938
	2.096	2.068	2.063	2.046	2.066	2.066
	15.000	2.150	2.134	2.098	2.135	2.488
	UL	15.000	15.000	15.000	15.000	15.000

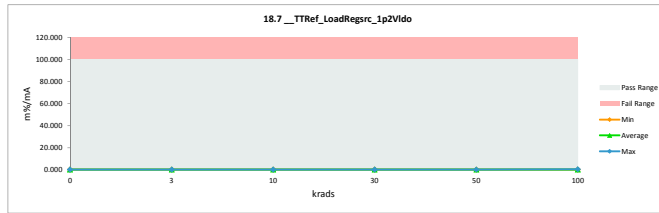


TID 100krad LDR Report
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18.7_TTRef_LoadRegrsrc_1p2V1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.336	0.336	0.000
3	A79_Biased	0.330	0.331	-0.001
3	A80_Biased	0.347	0.339	0.008
3	B1_Biased	0.348	0.345	0.003
3	B2_Biased	0.346	0.347	-0.001
3	C1_Biased	0.343	0.341	0.002
3	A82_Unbiased	0.337	0.327	0.010
3	A83_Unbiased	0.330	0.329	0.001
3	B4_Unbiased	0.358	0.354	0.004
3	B5_Unbiased	0.352	0.343	0.009
3	C2_Unbiased	0.347	0.349	-0.002
10	A85_Biased	0.342	0.341	0.001
10	A86_Biased	0.341	0.344	-0.003
10	B6_Biased	0.334	0.336	-0.002
10	C3_Biased	0.340	0.352	-0.012
10	C4_Biased	0.345	0.348	-0.003
10	A87_Unbiased	0.332	0.330	0.002
10	A88_Unbiased	0.336	0.334	0.002
10	B7_Unbiased	0.346	0.341	0.005
10	C5_Unbiased	0.339	0.341	-0.002
10	C6_Unbiased	0.328	0.333	-0.005
0	106_Corr	0.349	0.349	0.000
30	A89_Biased	0.327	0.323	0.004
30	B8_Biased	0.343	0.336	0.007
30	B9_Biased	0.342	0.336	0.006
30	C7_Biased	0.332	0.346	-0.014
30	C9_Biased	0.333	0.331	0.002
30	A90_Unbiased	0.338	0.337	0.001
30	B10_Unbiased	0.339	0.332	0.007
30	B11_Unbiased	0.348	0.342	0.006
30	C11_Unbiased	0.340	0.345	-0.005
30	C12_Unbiased	0.345	0.345	0.000
0	106_Corr	0.355	0.355	0.000
0	15B_Corr	0.339	0.339	0.000
50	A92_Biased	0.338	0.343	-0.005
50	A93_Biased	0.346	0.348	-0.002
50	B12_Biased	0.335	0.337	-0.002
50	B13_Biased	0.335	0.347	-0.012
50	C14_Biased	0.341	0.348	-0.007
50	A95_Unbiased	0.336	0.339	-0.003
50	A96_Unbiased	0.348	0.352	-0.004
50	B15_Unbiased	0.324	0.327	-0.003
50	B16_Unbiased	0.338	0.338	0.000
50	C15_Unbiased	0.341	0.328	0.013
0	106_Corr	0.349	0.349	0.000
100	A97_Biased	0.332	0.320	0.012
100	A99_Biased	0.343	0.337	0.006
100	A100_Biased	0.337	0.332	0.005
100	A101_Biased	0.354	0.345	0.009
100	A102_Biased	0.356	0.342	0.014
100	A104_Biased	0.345	0.338	0.007
100	A105_Biased	0.333	0.327	0.006
100	B17_Biased	0.358	0.349	0.009
100	B18_Biased	0.345	0.347	-0.002
100	B19_Biased	0.344	0.337	0.007
100	B20_Biased	0.346	0.338	0.008
100	B21_Biased	0.347	0.343	0.004
100	B24_Biased	0.343	0.336	0.007
100	B25_Biased	0.343	0.335	0.008
100	B26_Biased	0.335	0.339	-0.004
100	C16_Biased	0.345	0.337	0.008
100	C17_Biased	0.343	0.341	0.002
100	C18_Biased	0.341	0.335	0.006
100	C19_Biased	0.339	0.344	-0.005
100	C25_Biased	0.333	0.338	-0.005
100	C26_Biased	0.350	0.351	-0.001
100	C31_Biased	0.336	0.339	-0.003
100	A107_Unbiased	0.350	0.350	0.000
100	A108_Unbiased	0.348	0.338	0.010
100	A109_Unbiased	0.336	0.338	-0.002
100	A110_Unbiased	0.345	0.340	0.005
100	A111_Unbiased	0.348	0.343	0.005
100	A112_Unbiased	0.340	0.328	0.012
100	A113_Unbiased	0.341	0.336	0.005
100	B27_Unbiased	0.350	0.411	-0.061
100	B29_Unbiased	0.335	0.339	-0.004
100	B30_Unbiased	0.350	0.340	0.010
100	B31_Unbiased	0.347	0.342	0.005
100	B32_Unbiased	0.352	0.348	0.004
100	B33_Unbiased	0.335	0.336	-0.001
100	B34_Unbiased	0.340	0.337	0.003
100	B35_Unbiased	0.336	0.334	0.002
100	C32_Unbiased	0.335	0.332	0.003
100	C33_Unbiased	0.346	0.348	-0.002
100	C34_Unbiased	0.344	0.343	0.001
100	C35_Unbiased	0.341	0.340	0.001
100	C36_Unbiased	0.350	0.349	0.001
100	C37_Unbiased	0.327	0.324	0.003
100	C38_Unbiased	0.347	0.347	0.000
	Max	0.358	0.411	0.014
	Average	0.342	0.341	0.001
	Min	0.324	0.320	-0.061
	Std Dev	0.007	0.011	0.009

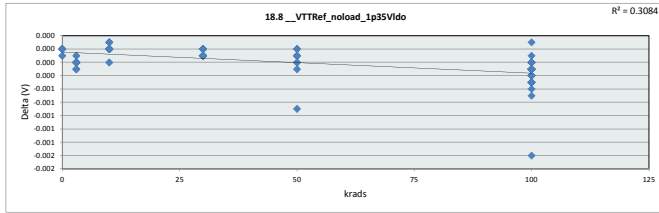


18.7_TTRef_LoadRegrsrc_1p2						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.336	0.327	0.330	0.323	0.327	0.320
Average	0.346	0.341	0.340	0.337	0.341	0.341
Max	0.355	0.354	0.352	0.346	0.352	0.411
UL	100.000	100.000	100.000	100.000	100.000	100.000

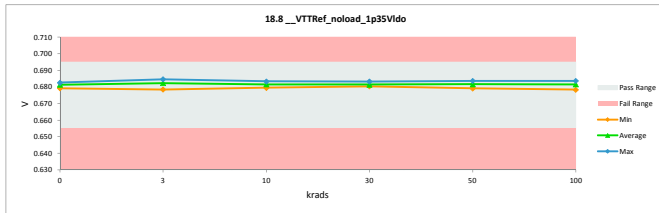


TID 100krad LDR Report
TPS7H3301-SP

18.8_VTTRef_noload_1p35Vldc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit				
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.683	0.683	0.000
3	A79_Biased	0.684	0.685	0.000
3	A80_Biased	0.683	0.683	0.000
3	B1_Biased	0.683	0.683	0.000
3	B2_Biased	0.678	0.678	0.000
3	C1_Biased	0.681	0.682	0.000
3	A82_Unbiased	0.683	0.683	0.000
3	A83_Unbiased	0.683	0.684	0.000
3	B4_Unbiased	0.682	0.682	0.000
3	B5_Unbiased	0.681	0.681	0.000
3	C2_Unbiased	0.683	0.683	0.000
10	A85_Biased	0.680	0.679	0.000
10	A86_Biased	0.680	0.682	0.000
10	B6_Biased	0.683	0.683	0.000
10	C3_Biased	0.682	0.682	0.000
10	C4_Biased	0.683	0.683	0.000
10	A87_Unbiased	0.680	0.680	0.000
10	A88_Unbiased	0.683	0.683	0.000
10	B7_Unbiased	0.681	0.681	0.000
10	C5_Unbiased	0.683	0.683	0.000
10	C6_Unbiased	0.679	0.679	0.000
0	106_Corr	0.682	0.682	0.000
30	A89_Biased	0.681	0.681	0.000
30	B8_Biased	0.683	0.683	0.000
30	B9_Biased	0.681	0.681	0.000
30	C7_Biased	0.681	0.681	0.000
30	C9_Biased	0.681	0.681	0.000
30	A90_Unbiased	0.683	0.683	0.000
30	B10_Unbiased	0.680	0.680	0.000
30	B11_Unbiased	0.682	0.682	0.000
30	C11_Unbiased	0.682	0.682	0.000
30	C12_Unbiased	0.681	0.681	0.000
0	106_Corr	0.682	0.682	0.000
0	15B_Corr	0.679	0.679	0.000
50	A92_Biased	0.683	0.683	0.000
50	A93_Biased	0.682	0.682	0.000
50	B12_Biased	0.680	0.680	0.000
50	B13_Biased	0.680	0.681	0.000
50	C14_Biased	0.681	0.682	0.000
50	A95_Unbiased	0.679	0.679	0.000
50	A96_Unbiased	0.682	0.682	0.000
50	B15_Unbiased	0.683	0.683	0.000
50	B16_Unbiased	0.680	0.681	0.000
50	C15_Unbiased	0.683	0.684	-0.001
0	106_Corr	0.682	0.682	0.000
100	A97_Biased	0.681	0.681	0.000
100	A99_Biased	0.682	0.682	0.000
100	A100_Biased	0.678	0.679	-0.001
100	A101_Biased	0.682	0.682	0.000
100	A102_Biased	0.683	0.683	-0.001
100	A104_Biased	0.682	0.682	0.000
100	A105_Biased	0.680	0.680	0.000
100	B17_Biased	0.682	0.682	-0.001
100	B18_Biased	0.678	0.678	0.000
100	B19_Biased	0.680	0.680	0.000
100	B20_Biased	0.682	0.682	0.000
100	B21_Biased	0.682	0.682	0.000
100	B24_Biased	0.679	0.680	0.000
100	B25_Biased	0.681	0.681	0.000
100	B26_Biased	0.678	0.678	0.000
100	C16_Biased	0.683	0.683	0.000
100	C17_Biased	0.682	0.682	0.000
100	C18_Biased	0.683	0.683	-0.001
100	C19_Biased	0.681	0.681	0.000
100	C25_Biased	0.681	0.682	0.000
100	C26_Biased	0.682	0.683	0.000
100	C31_Biased	0.683	0.684	0.000
100	A107_Unbiased	0.681	0.682	0.000
100	A108_Unbiased	0.682	0.682	0.000
100	A109_Unbiased	0.683	0.683	0.000
100	A110_Unbiased	0.683	0.683	0.000
100	A111_Unbiased	0.682	0.682	0.000
100	A112_Unbiased	0.683	0.683	0.000
100	A113_Unbiased	0.683	0.683	0.000
100	B27_Unbiased	0.679	0.681	-0.002
100	B29_Unbiased	0.682	0.682	0.000
100	B30_Unbiased	0.681	0.681	0.000
100	B31_Unbiased	0.682	0.682	0.000
100	B32_Unbiased	0.682	0.682	0.000
100	B33_Unbiased	0.680	0.680	0.000
100	B34_Unbiased	0.680	0.681	0.000
100	B35_Unbiased	0.680	0.680	0.000
100	C32_Unbiased	0.680	0.680	0.000
100	C33_Unbiased	0.681	0.682	-0.001
100	C34_Unbiased	0.681	0.682	0.000
100	C35_Unbiased	0.680	0.680	0.000
100	C36_Unbiased	0.682	0.683	0.000
100	C37_Unbiased	0.680	0.680	0.000
100	C38_Unbiased	0.682	0.682	0.000
	Max	0.684	0.685	0.000
	Average	0.681	0.682	0.000
	Min	0.678	0.678	-0.002
	Std Dev	0.001	0.001	0.000

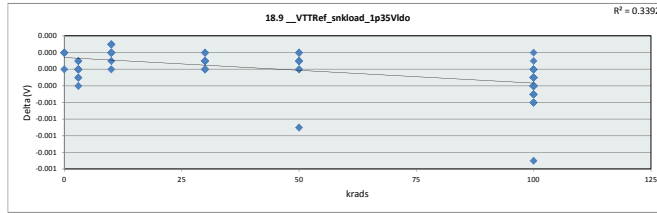


18.8_VTTRef_noload_1p35Vldc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
Krads	LL	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.679	0.679	0.680	0.680	0.679	0.678
Average	0.681	0.682	0.682	0.681	0.682	0.682
Max	0.683	0.685	0.683	0.683	0.684	0.684
UL	0.695	0.695	0.695	0.695	0.695	0.695

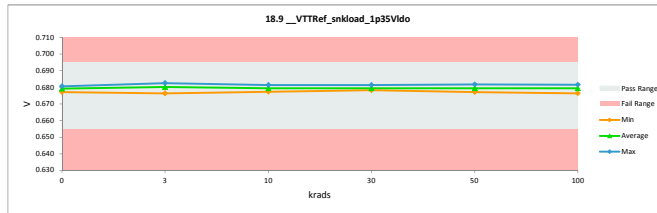


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18.9_VTTRef_snkload_1p35Vdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V			
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.681	0.681	0.000
3	A79_Biased	0.682	0.683	0.000
3	A80_Biased	0.681	0.681	0.000
3	B1_Biased	0.681	0.681	0.000
3	B2_Biased	0.676	0.676	0.000
3	C1_Biased	0.679	0.679	0.000
3	A82_Unbiased	0.681	0.681	0.000
3	A83_Unbiased	0.682	0.682	0.000
3	B4_Unbiased	0.679	0.680	0.000
3	B5_Unbiased	0.679	0.679	0.000
3	C2_Unbiased	0.681	0.681	0.000
10	A85_Biased	0.678	0.677	0.000
10	A86_Biased	0.680	0.679	0.000
10	B6_Biased	0.681	0.681	0.000
10	C3_Biased	0.680	0.680	0.000
10	C4_Biased	0.681	0.681	0.000
10	A87_Unbiased	0.678	0.678	0.000
10	A88_Unbiased	0.681	0.681	0.000
10	B7_Unbiased	0.679	0.679	0.000
10	C5_Unbiased	0.681	0.681	0.000
10	C6_Unbiased	0.678	0.678	0.000
0	106_Corr	0.679	0.679	0.000
30	A89_Biased	0.679	0.679	0.000
30	B8_Biased	0.681	0.681	0.000
30	B9_Biased	0.678	0.679	0.000
30	C7_Biased	0.679	0.679	0.000
30	C9_Biased	0.679	0.679	0.000
30	A90_Unbiased	0.681	0.681	0.000
30	B10_Unbiased	0.678	0.678	0.000
30	B11_Unbiased	0.680	0.680	0.000
30	C11_Unbiased	0.679	0.679	0.000
30	C12_Unbiased	0.679	0.679	0.000
0	106_Corr	0.679	0.679	0.000
0	15B_Corr	0.677	0.677	0.000
50	A92_Biased	0.680	0.680	0.000
50	A93_Biased	0.680	0.680	0.000
50	B12_Biased	0.678	0.678	0.000
50	B13_Biased	0.678	0.678	0.000
50	C14_Biased	0.679	0.679	0.000
50	A95_Unbiased	0.677	0.677	0.000
50	A96_Unbiased	0.679	0.680	0.000
50	B15_Unbiased	0.681	0.681	0.000
50	B16_Unbiased	0.678	0.678	0.000
50	C15_Unbiased	0.681	0.682	-0.001
0	106_Corr	0.679	0.679	0.000
100	A97_Biased	0.679	0.679	0.000
100	A99_Biased	0.680	0.680	0.000
100	A100_Biased	0.676	0.677	-0.001
100	A101_Biased	0.680	0.680	0.000
100	A102_Biased	0.681	0.681	-0.001
100	A104_Biased	0.680	0.680	0.000
100	A105_Biased	0.678	0.678	0.000
100	B17_Biased	0.680	0.680	-0.001
100	B18_Biased	0.676	0.676	0.000
100	B19_Biased	0.678	0.678	0.000
100	B20_Biased	0.680	0.680	0.000
100	B21_Biased	0.680	0.680	0.000
100	B24_Biased	0.677	0.678	0.000
100	B25_Biased	0.679	0.679	0.000
100	B26_Biased	0.676	0.676	0.000
100	C16_Biased	0.681	0.681	0.000
100	C17_Biased	0.680	0.680	0.000
100	C18_Biased	0.681	0.681	-0.001
100	C19_Biased	0.679	0.679	0.000
100	C25_Biased	0.679	0.680	-0.001
100	C26_Biased	0.680	0.681	0.000
100	C31_Biased	0.681	0.682	0.000
100	A107_Unbiased	0.679	0.680	0.000
100	A108_Unbiased	0.680	0.680	-0.001
100	A109_Unbiased	0.681	0.681	0.000
100	A110_Unbiased	0.680	0.681	0.000
100	A111_Unbiased	0.680	0.680	0.000
100	A112_Unbiased	0.681	0.681	0.000
100	A113_Unbiased	0.681	0.681	0.000
100	B27_Unbiased	0.677	0.678	-0.001
100	B29_Unbiased	0.680	0.680	0.000
100	B30_Unbiased	0.679	0.679	0.000
100	B31_Unbiased	0.679	0.680	-0.001
100	B32_Unbiased	0.680	0.680	0.000
100	B33_Unbiased	0.678	0.678	0.000
100	B34_Unbiased	0.678	0.679	0.000
100	B35_Unbiased	0.678	0.678	0.000
100	C32_Unbiased	0.678	0.678	0.000
100	C33_Unbiased	0.679	0.680	0.000
100	C34_Unbiased	0.679	0.679	0.000
100	C35_Unbiased	0.678	0.678	0.000
100	C36_Unbiased	0.680	0.681	0.000
100	C37_Unbiased	0.678	0.678	0.000
100	C38_Unbiased	0.679	0.680	0.000
	Max	0.682	0.683	0.000
	Average	0.679	0.680	0.000
	Min	0.676	0.676	-0.001
	Std Dev	0.001	0.001	0.000



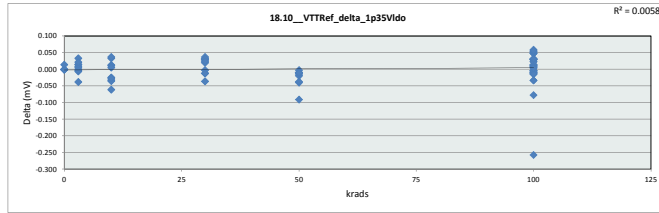
18.9_VTTRef_snkload_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
Krads	LL	3	10	30	50	100
	0.655	0.655	0.655	0.655	0.655	0.655
	0.677	0.676	0.677	0.678	0.677	0.676
	0.679	0.680	0.680	0.680	0.680	0.680
	0.681	0.683	0.681	0.681	0.682	0.682
	0.695	0.695	0.695	0.695	0.695	0.695



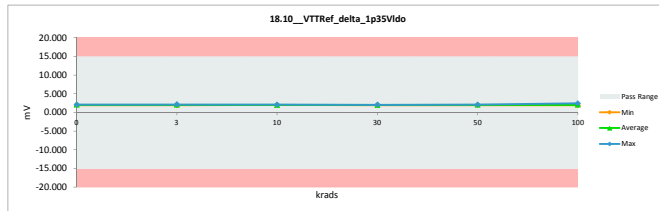
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18_10_VTTRef_delta_1p35VId			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	15	15	
Min Limit	-15	-15	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.980	1.980	0.000
3	A79_Biased	2.009	2.001	0.008
3	A80_Biased	2.025	2.011	0.014
3	B1_Biased	2.048	2.054	-0.006
3	B2_Biased	2.135	2.134	0.001
3	C1_Biased	2.013	2.016	-0.003
3	A82_Unbiased	1.972	1.939	0.033
3	A83_Unbiased	2.001	1.995	0.006
3	B4_Unbiased	2.111	2.096	0.015
3	B5_Unbiased	2.054	2.032	0.022
3	C2_Unbiased	2.034	2.072	-0.038
10	A85_Biased	2.068	2.075	0.013
10	A86_Biased	2.010	2.034	-0.024
10	B6_Biased	2.003	2.035	-0.032
10	C3_Biased	1.994	2.055	-0.061
10	C4_Biased	1.999	2.034	-0.035
10	A87_Unbiased	2.009	1.998	0.011
10	A88_Unbiased	2.031	1.998	0.033
10	B7_Unbiased	2.058	2.021	0.037
10	C5_Unbiased	1.977	2.003	-0.026
10	C6_Unbiased	2.012	2.007	0.005
0	106_Corr	2.050	2.050	0.000
30	A89_Biased	1.970	1.933	0.037
30	B8_Biased	2.050	2.022	0.028
30	B9_Biased	2.064	2.044	0.020
30	C7_Biased	2.017	2.029	-0.012
30	C9_Biased	2.013	2.015	-0.002
30	A90_Unbiased	1.972	1.942	0.030
30	B10_Unbiased	2.045	2.013	0.032
30	B11_Unbiased	2.043	2.018	0.025
30	C11_Unbiased	1.994	2.030	-0.036
30	C12_Unbiased	2.016	2.028	-0.012
0	106_Corr	2.066	2.066	0.000
0	15B_Corr	2.097	2.097	0.000
50	A92_Biased	1.988	2.005	-0.017
50	A93_Biased	2.023	2.025	-0.002
50	B12_Biased	2.001	2.021	-0.020
50	B13_Biased	2.020	2.111	-0.091
50	C14_Biased	2.002	2.042	-0.040
50	A95_Unbiased	2.074	2.074	0.000
50	A96_Unbiased	2.053	2.090	-0.037
50	B15_Unbiased	1.966	1.975	-0.009
50	B16_Unbiased	2.038	2.050	-0.012
50	C15_Unbiased	1.995	2.005	-0.010
0	106_Corr	2.050	2.050	0.000
100	A97_Biased	1.999	1.970	0.029
100	A99_Biased	2.003	2.016	-0.013
100	A100_Biased	2.071	2.083	-0.012
100	A101_Biased	2.087	2.063	0.024
100	A102_Biased	2.076	2.027	0.049
100	A104_Biased	2.010	1.951	0.059
100	A105_Biased	1.991	1.978	0.013
100	B17_Biased	2.114	2.082	0.032
100	B18_Biased	2.144	2.113	0.031
100	B19_Biased	2.104	2.074	0.030
100	B20_Biased	2.044	2.038	0.006
100	B21_Biased	2.041	2.044	-0.003
100	B24_Biased	2.111	2.063	0.048
100	B25_Biased	2.046	1.998	0.048
100	B26_Biased	2.075	2.061	0.014
100	C16_Biased	2.012	2.000	0.012
100	C17_Biased	2.012	2.001	0.011
100	C18_Biased	2.002	2.005	-0.003
100	C19_Biased	2.057	2.066	-0.009
100	C25_Biased	1.959	1.969	-0.010
100	C26_Biased	2.063	2.067	-0.004
100	C31_Biased	2.033	2.041	-0.008
100	A107_Unbiased	2.057	2.049	0.008
100	A108_Unbiased	2.022	2.037	-0.015
100	A109_Unbiased	1.972	1.944	0.028
100	A110_Unbiased	2.024	2.016	0.008
100	A111_Unbiased	2.039	2.025	0.014
100	A112_Unbiased	2.007	1.977	0.030
100	A113_Unbiased	2.011	1.981	0.030
100	B27_Unbiased	2.197	2.454	-0.257
100	B29_Unbiased	1.951	2.028	-0.077
100	B30_Unbiased	2.026	2.073	-0.047
100	B31_Unbiased	2.034	1.983	0.051
100	B32_Unbiased	2.054	2.000	0.054
100	B33_Unbiased	2.024	2.032	-0.008
100	B34_Unbiased	2.049	2.026	0.023
100	B35_Unbiased	2.030	2.035	-0.005
100	C32_Unbiased	2.008	2.002	0.006
100	C33_Unbiased	2.027	1.996	0.031
100	C34_Unbiased	2.009	2.023	-0.014
100	C35_Unbiased	2.049	2.046	0.003
100	C36_Unbiased	2.040	2.073	-0.033
100	C37_Unbiased	1.950	1.983	-0.033
100	C38_Unbiased	2.040	1.984	0.056
	Max	2.197	2.454	0.059
	Average	2.033	2.031	0.002
	Min	1.950	1.933	-0.257
	Std Dev	0.045	0.061	0.040

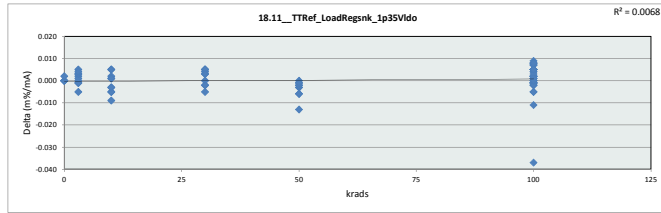


18_10_VTTRef_delta_1p35VId						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.980	1.939	1.998	1.933	1.975	1.944
Average	2.046	2.035	2.026	2.007	2.041	2.034
Max	2.097	2.134	2.075	2.044	2.111	2.454
UL	15.000	15.000	15.000	15.000	15.000	15.000

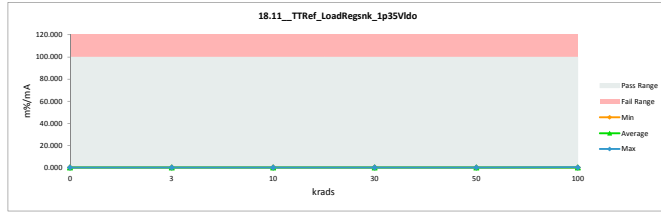


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18.11_TTRef_LoadReqsnk_1p35				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.290	0.290	0.000
3	A79_Biased	0.294	0.292	0.002
3	A80_Biased	0.297	0.294	0.003
3	B1_Biased	0.300	0.301	-0.001
3	B2_Biased	0.315	0.315	0.000
3	C1_Biased	0.295	0.296	-0.001
3	A82_Unbiased	0.289	0.284	0.005
3	A83_Unbiased	0.292	0.292	0.001
3	B4_Unbiased	0.310	0.307	0.003
3	B5_Unbiased	0.302	0.298	0.004
3	C2_Unbiased	0.298	0.303	-0.005
10	A85_Biased	0.307	0.305	0.002
10	A86_Biased	0.295	0.298	-0.003
10	B6_Biased	0.293	0.298	-0.005
10	C3_Biased	0.292	0.301	-0.009
10	C4_Biased	0.293	0.298	-0.005
10	A87_Unbiased	0.295	0.294	0.001
10	A88_Unbiased	0.297	0.292	0.005
10	B7_Unbiased	0.302	0.297	0.005
10	C5_Unbiased	0.290	0.293	-0.003
10	C6_Unbiased	0.296	0.295	0.001
0	106_Corr	0.301	0.303	-0.002
30	A89_Biased	0.289	0.284	0.005
30	B8_Biased	0.300	0.296	0.004
30	B9_Biased	0.303	0.300	0.003
30	C7_Biased	0.296	0.298	-0.002
30	C9_Biased	0.296	0.296	0.000
30	A90_Unbiased	0.289	0.284	0.005
30	B10_Unbiased	0.301	0.296	0.005
30	B11_Unbiased	0.299	0.296	0.003
30	C11_Unbiased	0.293	0.298	-0.005
30	C12_Unbiased	0.296	0.298	-0.002
0	106_Corr	0.303	0.303	0.000
0	15B_Corr	0.309	0.309	0.000
50	A92_Biased	0.291	0.294	-0.003
50	A93_Biased	0.297	0.297	0.000
50	B12_Biased	0.294	0.297	-0.003
50	B13_Biased	0.297	0.310	-0.013
50	C14_Biased	0.294	0.300	-0.006
50	A95_Unbiased	0.305	0.307	-0.002
50	A96_Unbiased	0.301	0.307	-0.006
50	B15_Unbiased	0.288	0.289	-0.001
50	B16_Unbiased	0.299	0.301	-0.002
50	C15_Unbiased	0.292	0.293	-0.001
0	106_Corr	0.301	0.301	0.000
100	A97_Biased	0.294	0.289	0.005
100	A99_Biased	0.294	0.295	-0.001
100	A100_Biased	0.305	0.307	-0.002
100	A101_Biased	0.306	0.302	0.004
100	A102_Biased	0.304	0.297	0.007
100	A104_Biased	0.295	0.286	0.009
100	A105_Biased	0.293	0.291	0.002
100	B17_Biased	0.310	0.305	0.005
100	B18_Biased	0.316	0.311	0.005
100	B19_Biased	0.310	0.305	0.005
100	B20_Biased	0.300	0.299	0.001
100	B21_Biased	0.299	0.300	-0.001
100	B24_Biased	0.311	0.303	0.008
100	B25_Biased	0.300	0.293	0.007
100	B26_Biased	0.306	0.304	0.002
100	C16_Biased	0.295	0.293	0.002
100	C17_Biased	0.295	0.293	0.002
100	C18_Biased	0.293	0.293	0.000
100	C19_Biased	0.302	0.303	-0.001
100	C25_Biased	0.288	0.289	-0.001
100	C26_Biased	0.302	0.303	-0.001
100	C31_Biased	0.298	0.299	-0.001
100	A107_Unbiased	0.302	0.301	0.001
100	A108_Unbiased	0.297	0.299	-0.002
100	A109_Unbiased	0.289	0.285	0.004
100	A110_Unbiased	0.297	0.295	0.002
100	A111_Unbiased	0.299	0.297	0.002
100	A112_Unbiased	0.294	0.289	0.005
100	A113_Unbiased	0.295	0.290	0.005
100	B27_Unbiased	0.323	0.360	-0.037
100	B29_Unbiased	0.286	0.297	-0.011
100	B30_Unbiased	0.312	0.304	0.008
100	B31_Unbiased	0.298	0.291	0.007
100	B32_Unbiased	0.301	0.293	0.008
100	B33_Unbiased	0.298	0.299	-0.001
100	B34_Unbiased	0.301	0.298	0.003
100	B35_Unbiased	0.299	0.299	0.000
100	C32_Unbiased	0.295	0.294	0.001
100	C33_Unbiased	0.298	0.293	0.005
100	C34_Unbiased	0.295	0.297	-0.002
100	C35_Unbiased	0.301	0.301	0.000
100	C36_Unbiased	0.299	0.304	-0.005
100	C37_Unbiased	0.287	0.292	-0.005
100	C38_Unbiased	0.299	0.291	0.008
	Max	0.323	0.360	0.039
	Average	0.298	0.298	0.000
	Min	0.286	0.284	-0.037
	Std Dev	0.007	0.009	0.006

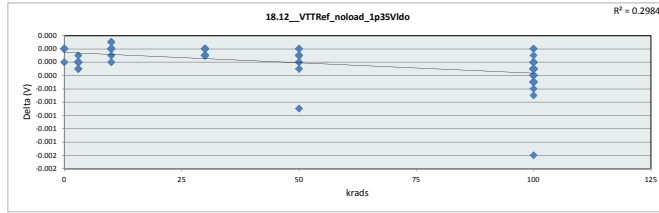


18.11_TTRef_LoadReqsnk_1p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.290	0.284	0.292	0.284	0.289	0.285
Average	0.300	0.298	0.297	0.295	0.300	0.298
Max	0.309	0.315	0.305	0.300	0.310	0.360
UL	100.000	100.000	100.000	100.000	100.000	100.000

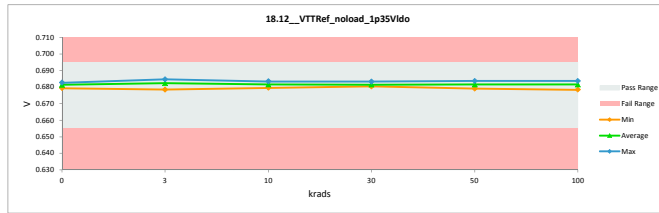


TID 100krad LDR Report
TPS7H3301-SP

18.12_VTTRef_noload_1p35VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	Ef636800	Ef636800		
Unit				
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.683	0.683	0.000
3	A79_Biased	0.684	0.685	0.000
3	A80_Biased	0.683	0.683	0.000
3	B1_Biased	0.683	0.683	0.000
3	B2_Biased	0.678	0.678	0.000
3	C1_Biased	0.681	0.682	0.000
3	A82_Unbiased	0.683	0.683	0.000
3	A83_Unbiased	0.683	0.684	0.000
3	B4_Unbiased	0.682	0.682	0.000
3	B5_Unbiased	0.681	0.681	0.000
3	C2_Unbiased	0.683	0.683	0.000
10	A85_Biased	0.680	0.679	0.000
10	A86_Biased	0.680	0.682	0.000
10	B6_Biased	0.683	0.683	0.000
10	C3_Biased	0.682	0.682	0.000
10	C4_Biased	0.683	0.683	0.000
10	A87_Unbiased	0.680	0.680	0.000
10	A88_Unbiased	0.683	0.683	0.000
10	B7_Unbiased	0.681	0.681	0.000
10	C5_Unbiased	0.683	0.683	0.000
10	C6_Unbiased	0.679	0.679	0.000
0	106_Corr	0.682	0.682	0.000
30	A89_Biased	0.681	0.681	0.000
30	B8_Biased	0.683	0.683	0.000
30	B9_Biased	0.681	0.681	0.000
30	C7_Biased	0.681	0.681	0.000
30	C9_Biased	0.681	0.681	0.000
30	A90_Unbiased	0.683	0.683	0.000
30	B10_Unbiased	0.680	0.680	0.000
30	B11_Unbiased	0.682	0.682	0.000
30	C11_Unbiased	0.682	0.682	0.000
30	C12_Unbiased	0.681	0.681	0.000
0	106_Corr	0.682	0.682	0.000
0	15B_Corr	0.679	0.679	0.000
50	A92_Biased	0.683	0.683	0.000
50	A93_Biased	0.682	0.682	0.000
50	B12_Biased	0.680	0.680	0.000
50	B13_Biased	0.680	0.681	0.000
50	C14_Biased	0.681	0.682	0.000
50	A95_Unbiased	0.679	0.679	0.000
50	A96_Unbiased	0.682	0.682	0.000
50	B15_Unbiased	0.683	0.683	0.000
50	B16_Unbiased	0.680	0.681	0.000
50	C15_Unbiased	0.683	0.684	-0.001
0	106_Corr	0.682	0.682	0.000
100	A97_Biased	0.681	0.681	0.000
100	A99_Biased	0.682	0.682	0.000
100	A100_Biased	0.678	0.679	-0.001
100	A101_Biased	0.682	0.682	0.000
100	A102_Biased	0.683	0.683	-0.001
100	A104_Biased	0.682	0.682	0.000
100	A105_Biased	0.680	0.680	0.000
100	B17_Biased	0.682	0.682	-0.001
100	B18_Biased	0.678	0.678	0.000
100	B19_Biased	0.680	0.680	0.000
100	B20_Biased	0.682	0.682	0.000
100	B21_Biased	0.682	0.682	0.000
100	B24_Biased	0.679	0.680	0.000
100	B25_Biased	0.681	0.681	0.000
100	B26_Biased	0.678	0.678	0.000
100	C16_Biased	0.683	0.683	0.000
100	C17_Biased	0.682	0.682	0.000
100	C18_Biased	0.683	0.683	-0.001
100	C19_Biased	0.681	0.681	0.000
100	C25_Biased	0.681	0.682	0.000
100	C26_Biased	0.682	0.683	0.000
100	C31_Biased	0.683	0.684	0.000
100	A107_Unbiased	0.681	0.682	0.000
100	A108_Unbiased	0.682	0.682	0.000
100	A109_Unbiased	0.683	0.683	0.000
100	A110_Unbiased	0.683	0.683	0.000
100	A111_Unbiased	0.682	0.682	0.000
100	A112_Unbiased	0.683	0.683	0.000
100	A113_Unbiased	0.683	0.683	0.000
100	B27_Unbiased	0.679	0.681	-0.002
100	B29_Unbiased	0.682	0.682	0.000
100	B30_Unbiased	0.681	0.681	0.000
100	B31_Unbiased	0.682	0.682	0.000
100	B32_Unbiased	0.682	0.682	0.000
100	B33_Unbiased	0.680	0.680	0.000
100	B34_Unbiased	0.680	0.681	0.000
100	B35_Unbiased	0.680	0.680	0.000
100	C32_Unbiased	0.680	0.680	0.000
100	C33_Unbiased	0.681	0.682	-0.001
100	C34_Unbiased	0.681	0.682	0.000
100	C35_Unbiased	0.680	0.680	0.000
100	C36_Unbiased	0.682	0.683	0.000
100	C37_Unbiased	0.680	0.680	0.000
100	C38_Unbiased	0.682	0.682	0.000
	Max	0.684	0.685	0.000
	Average	0.681	0.682	0.000
	Min	0.678	0.678	-0.002
	Std Dev	0.001	0.001	0.000

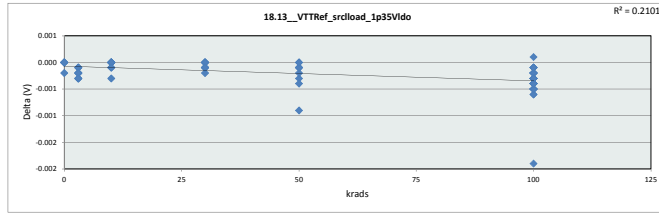


18.12_VTTRef_noload_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	Ef636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
Krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.679	0.679	0.680	0.680	0.679	0.678
Average	0.681	0.682	0.682	0.681	0.682	0.682
Max	0.683	0.685	0.683	0.683	0.684	0.684
UL	0.695	0.695	0.695	0.695	0.695	0.695

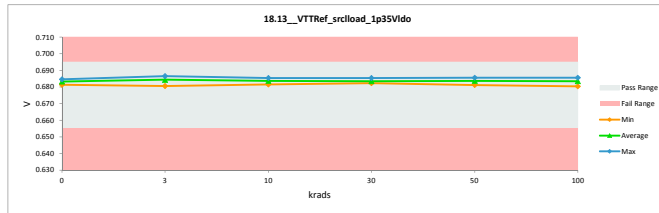


TID 100krad LDR Report
TPS7H3301-SP

18.13_VTTRef_srcIoad_1p35Vd0				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.685	0.685	0.000
3	A79_Biased	0.686	0.687	0.000
3	A80_Biased	0.685	0.685	0.000
3	B1_Biased	0.685	0.685	0.000
3	B2_Biased	0.680	0.681	0.000
3	C1_Biased	0.683	0.684	0.000
3	A82_Unbiased	0.685	0.685	0.000
3	A83_Unbiased	0.686	0.686	0.000
3	B4_Unbiased	0.684	0.684	0.000
3	B5_Unbiased	0.683	0.683	0.000
3	C2_Unbiased	0.685	0.685	0.000
10	A85_Biased	0.682	0.682	0.000
10	A86_Biased	0.684	0.684	0.000
10	B6_Biased	0.685	0.685	0.000
10	C3_Biased	0.684	0.684	0.000
10	C4_Biased	0.685	0.685	0.000
10	A87_Unbiased	0.682	0.682	0.000
10	A88_Unbiased	0.686	0.686	0.000
10	B7_Unbiased	0.683	0.683	0.000
10	C5_Unbiased	0.685	0.685	0.000
10	C6_Unbiased	0.682	0.682	0.000
0	106_Corr	0.683	0.683	0.000
30	A89_Biased	0.683	0.683	0.000
30	B8_Biased	0.685	0.685	0.000
30	B9_Biased	0.683	0.683	0.000
30	C7_Biased	0.683	0.683	0.000
30	C9_Biased	0.683	0.683	0.000
30	A90_Unbiased	0.685	0.685	0.000
30	B10_Unbiased	0.682	0.682	0.000
30	B11_Unbiased	0.684	0.684	0.000
30	C11_Unbiased	0.683	0.684	0.000
30	C12_Unbiased	0.683	0.683	0.000
0	106_Corr	0.684	0.684	0.000
0	15B_Corr	0.681	0.681	0.000
50	A92_Biased	0.684	0.684	0.000
50	A93_Biased	0.684	0.684	0.000
50	B12_Biased	0.682	0.682	0.000
50	B13_Biased	0.682	0.683	0.000
50	C14_Biased	0.683	0.684	0.000
50	A95_Unbiased	0.681	0.681	0.000
50	A96_Unbiased	0.684	0.684	0.000
50	B15_Unbiased	0.685	0.685	0.000
50	B16_Unbiased	0.683	0.683	0.000
50	C15_Unbiased	0.685	0.686	-0.001
0	106_Corr	0.683	0.683	0.000
100	A97_Biased	0.683	0.683	0.000
100	A99_Biased	0.684	0.684	0.000
100	A100_Biased	0.680	0.681	-0.001
100	A101_Biased	0.684	0.684	0.000
100	A102_Biased	0.685	0.685	-0.001
100	A104_Biased	0.684	0.684	0.000
100	A105_Biased	0.682	0.682	0.000
100	B17_Biased	0.684	0.684	0.000
100	B18_Biased	0.680	0.680	0.000
100	B19_Biased	0.682	0.682	0.000
100	B20_Biased	0.684	0.684	0.000
100	B21_Biased	0.684	0.684	0.000
100	B24_Biased	0.682	0.682	0.000
100	B25_Biased	0.683	0.683	0.000
100	B26_Biased	0.680	0.680	0.000
100	C16_Biased	0.685	0.685	0.000
100	C17_Biased	0.684	0.684	0.000
100	C18_Biased	0.685	0.685	-0.001
100	C19_Biased	0.683	0.683	0.000
100	C25_Biased	0.683	0.684	-0.001
100	C26_Biased	0.684	0.685	-0.001
100	C31_Biased	0.685	0.686	0.000
100	A107_Unbiased	0.683	0.684	0.000
100	A108_Unbiased	0.684	0.684	-0.001
100	A109_Unbiased	0.685	0.685	0.000
100	A110_Unbiased	0.685	0.685	0.000
100	A111_Unbiased	0.684	0.684	0.000
100	A112_Unbiased	0.685	0.685	0.000
100	A113_Unbiased	0.685	0.685	0.000
100	B27_Unbiased	0.682	0.683	-0.002
100	B29_Unbiased	0.684	0.684	0.000
100	B30_Unbiased	0.683	0.683	0.000
100	B31_Unbiased	0.683	0.684	-0.001
100	B32_Unbiased	0.684	0.684	0.000
100	B33_Unbiased	0.682	0.682	0.000
100	B34_Unbiased	0.683	0.683	0.000
100	B35_Unbiased	0.682	0.682	0.000
100	C32_Unbiased	0.682	0.683	0.000
100	C33_Unbiased	0.683	0.684	-0.001
100	C34_Unbiased	0.683	0.683	0.000
100	C35_Unbiased	0.682	0.682	0.000
100	C36_Unbiased	0.684	0.685	0.000
100	C37_Unbiased	0.682	0.682	-0.001
100	C38_Unbiased	0.683	0.684	0.000
	Max	0.686	0.687	0.000
	Average	0.683	0.684	0.000
	Min	0.680	0.680	-0.002
	Std Dev	0.001	0.001	0.000

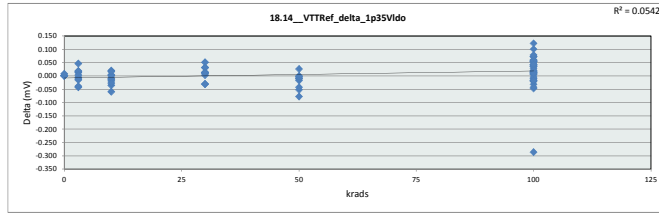


18.13_VTTRef_srcIoad_1p35Vd0						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.681	0.681	0.682	0.682	0.681	0.680
Average	0.683	0.684	0.684	0.684	0.684	0.684
Max	0.685	0.687	0.686	0.685	0.686	0.686
UL	0.695	0.695	0.695	0.695	0.695	0.695

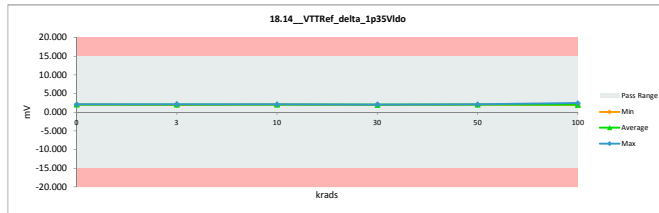


TID 100krad LDR Report
TPS7H3301-SP

18.14_VTTRef_delta_1p35VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.994	1.994	0.000
3	A79_Biased	2.056	2.010	0.046
3	A80_Biased	2.039	2.026	0.013
3	B1_Biased	2.064	2.070	-0.006
3	B2_Biased	2.092	2.076	0.016
3	C1_Biased	2.028	2.071	-0.043
3	A82_Unbiased	1.987	1.968	0.019
3	A83_Unbiased	2.003	2.000	0.003
3	B4_Unbiased	2.128	2.139	-0.011
3	B5_Unbiased	2.065	2.080	-0.015
3	C2_Unbiased	2.043	2.082	-0.039
10	A85_Biased	2.061	2.060	0.001
10	A86_Biased	2.020	2.033	-0.013
10	B6_Biased	2.038	2.047	-0.009
10	C3_Biased	2.015	2.075	-0.060
10	C4_Biased	2.021	2.040	-0.019
10	A87_Unbiased	2.021	2.017	0.004
10	A88_Unbiased	2.061	2.041	0.020
10	B7_Unbiased	2.061	2.045	0.016
10	C5_Unbiased	1.988	2.024	-0.036
10	C6_Unbiased	1.983	2.010	-0.027
0	106_Corr	2.061	2.051	0.010
30	A89_Biased	1.992	1.978	0.014
30	B8_Biased	2.082	2.050	0.032
30	B9_Biased	2.059	2.049	0.010
30	C7_Biased	2.026	2.057	-0.031
30	C9_Biased	2.023	2.011	0.012
30	A90_Unbiased	1.974	1.971	0.003
30	B10_Unbiased	2.070	2.019	0.051
30	B11_Unbiased	2.050	2.019	0.031
30	C11_Unbiased	2.009	2.040	-0.031
30	C12_Unbiased	2.041	2.030	0.011
0	106_Corr	2.088	2.088	0.000
0	15B_Corr	2.035	2.035	0.000
50	A92_Biased	2.008	2.017	-0.009
50	A93_Biased	2.042	2.059	-0.017
50	B12_Biased	2.016	2.027	-0.011
50	B13_Biased	2.015	2.092	-0.077
50	C14_Biased	2.012	2.064	-0.052
50	A95_Unbiased	2.040	2.041	-0.001
50	A96_Unbiased	2.051	2.094	-0.043
50	B15_Unbiased	1.995	2.003	-0.008
50	B16_Unbiased	2.040	2.042	-0.002
50	C15_Unbiased	2.033	2.007	0.026
0	106_Corr	2.061	2.053	0.008
100	A97_Biased	2.002	1.966	0.036
100	A99_Biased	1.994	1.975	0.019
100	A100_Biased	2.016	2.008	0.008
100	A101_Biased	2.095	2.041	0.054
100	A102_Biased	2.098	2.025	0.073
100	A104_Biased	2.028	1.972	0.056
100	A105_Biased	1.988	2.020	-0.032
100	B17_Biased	2.123	2.001	0.122
100	B18_Biased	2.075	2.084	-0.009
100	B19_Biased	2.075	2.025	0.050
100	B20_Biased	2.012	2.000	0.012
100	B21_Biased	2.048	2.006	0.042
100	B24_Biased	2.071	2.011	0.060
100	B25_Biased	2.045	2.054	0.011
100	B26_Biased	2.030	2.026	0.004
100	C16_Biased	2.036	1.994	0.042
100	C17_Biased	2.025	1.967	0.058
100	C18_Biased	2.016	1.980	0.036
100	C19_Biased	2.047	2.064	-0.017
100	C25_Biased	1.968	1.989	-0.021
100	C26_Biased	2.071	2.054	0.017
100	C31_Biased	2.040	2.059	-0.019
100	A107_Unbiased	2.077	2.049	0.028
100	A108_Unbiased	2.057	1.985	0.072
100	A109_Unbiased	2.007	1.952	0.055
100	A110_Unbiased	2.040	1.986	0.054
100	A111_Unbiased	2.051	1.951	0.100
100	A112_Unbiased	2.041	1.983	0.058
100	A113_Unbiased	2.029	1.958	0.071
100	B27_Unbiased	2.137	2.423	-0.286
100	B29_Unbiased	1.958	1.945	0.013
100	B30_Unbiased	2.021	2.083	-0.062
100	B31_Unbiased	2.051	1.973	0.078
100	B32_Unbiased	2.075	2.041	0.034
100	B33_Unbiased	2.021	2.068	-0.047
100	B34_Unbiased	2.058	2.058	0.000
100	B35_Unbiased	2.026	1.984	0.042
100	C32_Unbiased	2.031	2.042	-0.011
100	C33_Unbiased	2.043	2.028	0.015
100	C34_Unbiased	2.032	2.036	-0.004
100	C35_Unbiased	2.060	2.077	-0.017
100	C36_Unbiased	2.062	2.041	0.021
100	C37_Unbiased	1.962	2.005	-0.043
100	C38_Unbiased	2.050	2.040	0.010
	Max	2.137	2.423	0.122
	Average	2.039	2.032	0.007
	Min	1.958	1.945	-0.286
	Std Dev	0.036	0.057	0.048

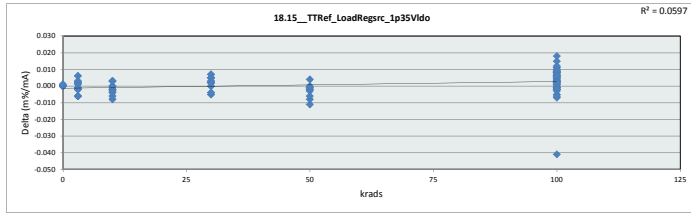


18.14_VTTRef_delta_1p35VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.994	1.968	2.010	1.971	2.003	1.945
Average	2.046	2.052	2.039	2.022	2.045	2.023
Max	2.088	2.139	2.075	2.057	2.094	2.423
UL	15.000	15.000	15.000	15.000	15.000	15.000

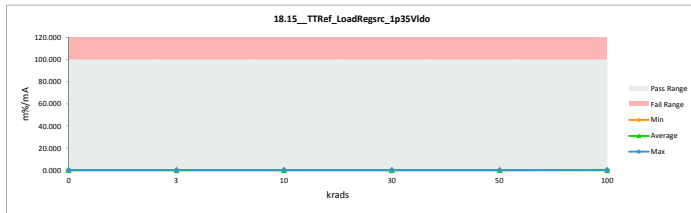


TID 100krad LDR Report
TPS7H3301-SP

18.15_TTRef_LoadRegrsc_1p35				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.292	0.292	0.000
3	A79_Biased	0.300	0.294	0.006
3	A80_Biased	0.299	0.297	0.002
3	B1_Biased	0.302	0.303	-0.001
3	B2_Biased	0.308	0.306	0.002
3	C1_Biased	0.298	0.304	-0.006
3	A82_Unbiased	0.291	0.288	0.003
3	A83_Unbiased	0.292	0.292	0.001
3	B4_Unbiased	0.312	0.314	-0.002
3	B5_Unbiased	0.303	0.305	-0.002
3	C2_Unbiased	0.299	0.305	-0.006
10	A85_Biased	0.303	0.303	0.000
10	A86_Biased	0.296	0.298	-0.002
10	B6_Biased	0.298	0.300	-0.002
10	C3_Biased	0.296	0.304	-0.008
10	C4_Biased	0.296	0.299	-0.003
10	A87_Unbiased	0.297	0.297	0.000
10	A88_Unbiased	0.302	0.299	0.003
10	B7_Unbiased	0.303	0.300	0.003
10	C5_Unbiased	0.291	0.297	-0.006
10	C6_Unbiased	0.292	0.296	-0.004
0	106_Corr	0.302	0.302	0.000
30	A89_Biased	0.293	0.290	0.003
30	B8_Biased	0.305	0.300	0.005
30	B9_Biased	0.303	0.301	0.002
30	C7_Biased	0.297	0.302	-0.005
30	C9_Biased	0.297	0.295	0.002
30	A90_Unbiased	0.289	0.289	0.000
30	B10_Unbiased	0.304	0.297	0.007
30	B11_Unbiased	0.301	0.296	0.005
30	C11_Unbiased	0.295	0.299	-0.004
30	C12_Unbiased	0.300	0.298	0.002
0	106_Corr	0.306	0.306	0.000
0	15B_Corr	0.300	0.300	0.000
50	A92_Biased	0.294	0.296	-0.002
50	A93_Biased	0.299	0.302	-0.003
50	B12_Biased	0.296	0.298	-0.002
50	B13_Biased	0.296	0.307	-0.011
50	C14_Biased	0.295	0.303	-0.008
50	A95_Unbiased	0.300	0.301	-0.001
50	A96_Unbiased	0.301	0.307	-0.006
50	B15_Unbiased	0.292	0.293	-0.001
50	B16_Unbiased	0.300	0.300	0.000
50	C15_Unbiased	0.298	0.294	0.004
0	106_Corr	0.302	0.302	0.001
100	A97_Biased	0.294	0.289	0.005
100	A99_Biased	0.292	0.289	0.003
100	A100_Biased	0.297	0.296	0.001
100	A101_Biased	0.307	0.299	0.008
100	A102_Biased	0.307	0.296	0.011
100	A104_Biased	0.297	0.289	0.008
100	A105_Biased	0.292	0.297	-0.005
100	B17_Biased	0.311	0.293	0.018
100	B18_Biased	0.306	0.307	-0.001
100	B19_Biased	0.305	0.298	0.007
100	B20_Biased	0.295	0.293	0.002
100	B21_Biased	0.300	0.294	0.006
100	B24_Biased	0.305	0.296	0.009
100	B25_Biased	0.303	0.302	0.001
100	B26_Biased	0.299	0.299	0.000
100	C16_Biased	0.298	0.292	0.006
100	C17_Biased	0.297	0.288	0.009
100	C18_Biased	0.295	0.290	0.005
100	C19_Biased	0.301	0.303	-0.002
100	C25_Biased	0.289	0.292	-0.003
100	C26_Biased	0.304	0.301	0.003
100	C31_Biased	0.299	0.301	-0.002
100	A107_Unbiased	0.305	0.301	0.004
100	A108_Unbiased	0.302	0.291	0.011
100	A109_Unbiased	0.294	0.286	0.008
100	A110_Unbiased	0.299	0.291	0.008
100	A111_Unbiased	0.302	0.315	0.015
100	A112_Unbiased	0.299	0.290	0.009
100	A113_Unbiased	0.297	0.287	0.010
100	B27_Unbiased	0.315	0.356	-0.041
100	B29_Unbiased	0.287	0.285	0.002
100	B30_Unbiased	0.312	0.306	0.006
100	B31_Unbiased	0.301	0.289	0.012
100	B32_Unbiased	0.304	0.299	0.005
100	B33_Unbiased	0.297	0.304	-0.007
100	B34_Unbiased	0.302	0.301	0.001
100	B35_Unbiased	0.298	0.292	0.006
100	C32_Unbiased	0.299	0.300	-0.001
100	C33_Unbiased	0.300	0.297	0.003
100	C34_Unbiased	0.298	0.299	-0.001
100	C35_Unbiased	0.303	0.305	-0.002
100	C36_Unbiased	0.302	0.299	0.003
100	C37_Unbiased	0.289	0.295	-0.006
100	C38_Unbiased	0.301	0.299	0.002
	Max	0.315	0.356	0.041
	Average	0.299	0.298	0.001
	Min	0.287	0.285	-0.041
	Std Dev	0.005	0.009	0.007

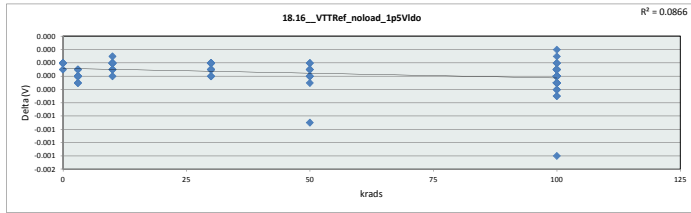


18.15_TTRef_LoadRegrsc_1p35						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	1	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.292	0.288	0.296	0.289	0.293	0.285
Average	0.300	0.301	0.299	0.297	0.300	0.297
Max	0.306	0.314	0.304	0.302	0.307	0.356
UL	100.000	100.000	100.000	100.000	100.000	100.000

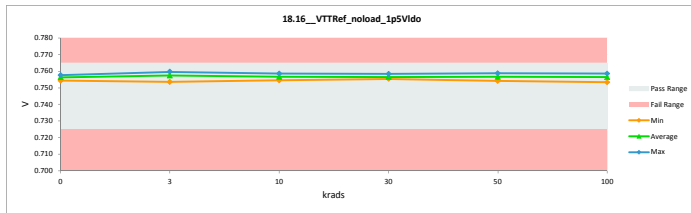


TID 100krad LDR Report
TPS7H3301-SP

18.16_VTTRef_noload_1p5VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.758	0.758	0.000
3	A79_Biased	0.759	0.760	0.000
3	A80_Biased	0.758	0.758	0.000
3	B1_Biased	0.758	0.758	0.000
3	B2_Biased	0.753	0.754	0.000
3	C1_Biased	0.756	0.757	0.000
3	A82_Unbiased	0.758	0.758	0.000
3	A83_Unbiased	0.759	0.759	0.000
3	B4_Unbiased	0.757	0.757	0.000
3	B5_Unbiased	0.756	0.757	0.000
3	C2_Unbiased	0.758	0.758	0.000
10	A85_Biased	0.755	0.755	0.000
10	A86_Biased	0.757	0.757	0.000
10	B6_Biased	0.758	0.758	0.000
10	C3_Biased	0.757	0.757	0.000
10	C4_Biased	0.758	0.758	0.000
10	A87_Unbiased	0.755	0.755	0.000
10	A88_Unbiased	0.758	0.758	0.000
10	B7_Unbiased	0.756	0.756	0.000
10	C5_Unbiased	0.758	0.758	0.000
10	C6_Unbiased	0.754	0.754	0.000
0	106_Corr	0.757	0.757	0.000
30	A89_Biased	0.756	0.756	0.000
30	B8_Biased	0.758	0.758	0.000
30	B9_Biased	0.756	0.756	0.000
30	C7_Biased	0.756	0.756	0.000
30	C9_Biased	0.756	0.756	0.000
30	A90_Unbiased	0.758	0.758	0.000
30	B10_Unbiased	0.755	0.755	0.000
30	B11_Unbiased	0.757	0.757	0.000
30	C11_Unbiased	0.757	0.757	0.000
30	C12_Unbiased	0.756	0.756	0.000
0	106_Corr	0.757	0.757	0.000
0	15B_Corr	0.754	0.754	0.000
50	A92_Biased	0.757	0.757	0.000
50	A93_Biased	0.757	0.757	0.000
50	B12_Biased	0.755	0.755	0.000
50	B13_Biased	0.755	0.756	0.000
50	C14_Biased	0.756	0.757	0.000
50	A95_Unbiased	0.754	0.754	0.000
50	A96_Unbiased	0.757	0.757	0.000
50	B15_Unbiased	0.758	0.758	0.000
50	B16_Unbiased	0.756	0.756	0.000
50	C15_Unbiased	0.758	0.759	-0.001
0	106_Corr	0.757	0.757	0.000
100	A97_Biased	0.756	0.756	0.000
100	A99_Biased	0.757	0.757	0.000
100	A100_Biased	0.753	0.754	0.000
100	A101_Biased	0.757	0.757	0.000
100	A102_Biased	0.758	0.758	0.000
100	A104_Biased	0.757	0.757	0.000
100	A105_Biased	0.755	0.755	0.000
100	B17_Biased	0.757	0.757	0.000
100	B18_Biased	0.753	0.753	0.000
100	B19_Biased	0.755	0.755	0.000
100	B20_Biased	0.757	0.757	0.000
100	B21_Biased	0.757	0.757	0.000
100	B24_Biased	0.754	0.755	0.000
100	B25_Biased	0.756	0.756	0.000
100	B26_Biased	0.753	0.753	0.000
100	C16_Biased	0.758	0.758	0.000
100	C17_Biased	0.757	0.757	0.000
100	C18_Biased	0.758	0.758	0.000
100	C19_Biased	0.756	0.756	0.000
100	C25_Biased	0.756	0.757	0.000
100	C26_Biased	0.757	0.757	0.000
100	C31_Biased	0.758	0.759	0.000
100	A107_Unbiased	0.756	0.757	0.000
100	A108_Unbiased	0.757	0.757	0.000
100	A109_Unbiased	0.758	0.758	0.000
100	A110_Unbiased	0.757	0.758	0.000
100	A111_Unbiased	0.757	0.757	0.000
100	A112_Unbiased	0.758	0.758	0.000
100	A113_Unbiased	0.758	0.758	0.000
100	B27_Unbiased	0.754	0.756	-0.001
100	B29_Unbiased	0.757	0.757	0.000
100	B30_Unbiased	0.756	0.756	0.000
100	B31_Unbiased	0.757	0.757	0.000
100	B32_Unbiased	0.757	0.757	0.000
100	B33_Unbiased	0.755	0.755	0.000
100	B34_Unbiased	0.756	0.756	0.000
100	B35_Unbiased	0.755	0.755	0.000
100	C32_Unbiased	0.755	0.755	0.000
100	C33_Unbiased	0.756	0.757	0.000
100	C34_Unbiased	0.756	0.756	0.000
100	C35_Unbiased	0.755	0.755	0.000
100	C36_Unbiased	0.757	0.758	0.000
100	C37_Unbiased	0.755	0.755	0.000
100	C38_Unbiased	0.757	0.757	0.000
	Max	0.760	0.760	0.000
	Average	0.756	0.757	0.000
	Min	0.753	0.753	-0.001
	Std Dev	0.001	0.001	0.000

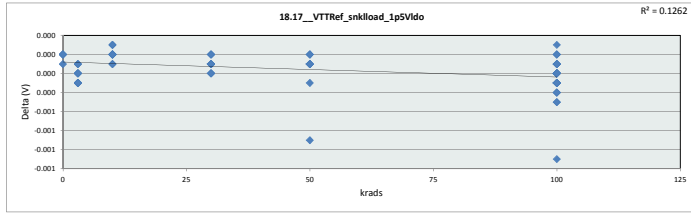


18.16_VTTRef_noload_1p5VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
Krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.754	0.754	0.755	0.755	0.754	0.753
Average	0.756	0.757	0.757	0.757	0.757	0.756
Max	0.758	0.760	0.759	0.758	0.759	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765

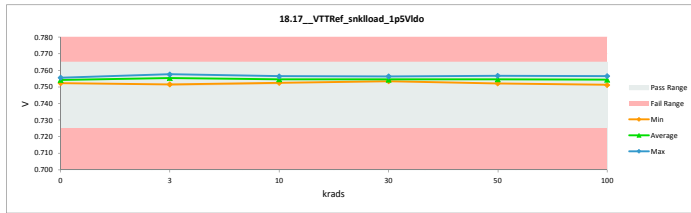


TID 100krad LDR Report
TPS7H3301-SP

18.17_VTTRef_snkload_1p5Vdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.756	0.756	0.000
3	A79_Biased	0.757	0.758	0.000
3	A80_Biased	0.756	0.756	0.000
3	B1_Biased	0.756	0.756	0.000
3	B2_Biased	0.751	0.752	0.000
3	C1_Biased	0.754	0.754	0.000
3	A82_Unbiased	0.756	0.756	0.000
3	A83_Unbiased	0.757	0.757	0.000
3	B4_Unbiased	0.754	0.755	0.000
3	B5_Unbiased	0.754	0.754	0.000
3	C2_Unbiased	0.756	0.756	0.000
10	A85_Biased	0.752	0.752	0.000
10	A86_Biased	0.754	0.754	0.000
10	B6_Biased	0.756	0.756	0.000
10	C3_Biased	0.755	0.755	0.000
10	C4_Biased	0.756	0.756	0.000
10	A87_Unbiased	0.753	0.753	0.000
10	A88_Unbiased	0.756	0.756	0.000
10	B7_Unbiased	0.754	0.754	0.000
10	C5_Unbiased	0.756	0.756	0.000
10	C6_Unbiased	0.752	0.752	0.000
0	106_Corr	0.754	0.754	0.000
30	A89_Biased	0.754	0.754	0.000
30	B8_Biased	0.756	0.756	0.000
30	B9_Biased	0.753	0.754	0.000
30	C7_Biased	0.754	0.754	0.000
30	C9_Biased	0.754	0.754	0.000
30	A90_Unbiased	0.756	0.756	0.000
30	B10_Unbiased	0.753	0.753	0.000
30	B11_Unbiased	0.755	0.755	0.000
30	C11_Unbiased	0.754	0.754	0.000
30	C12_Unbiased	0.754	0.754	0.000
0	106_Corr	0.754	0.754	0.000
0	15B_Corr	0.752	0.752	0.000
50	A92_Biased	0.756	0.756	0.000
50	A93_Biased	0.755	0.755	0.000
50	B12_Biased	0.753	0.753	0.000
50	B13_Biased	0.753	0.753	0.000
50	C14_Biased	0.754	0.755	0.000
50	A95_Unbiased	0.752	0.752	0.000
50	A96_Unbiased	0.755	0.755	0.000
50	B15_Unbiased	0.756	0.756	0.000
50	B16_Unbiased	0.753	0.753	0.000
50	C15_Unbiased	0.756	0.757	-0.001
0	106_Corr	0.754	0.754	0.000
100	A97_Biased	0.754	0.754	0.000
100	A99_Biased	0.755	0.755	0.000
100	A100_Biased	0.752	0.752	0.000
100	A101_Biased	0.755	0.755	0.000
100	A102_Biased	0.756	0.756	-0.001
100	A104_Biased	0.755	0.755	0.000
100	A105_Biased	0.753	0.753	0.000
100	B17_Biased	0.755	0.755	0.000
100	B18_Biased	0.751	0.751	0.000
100	B19_Biased	0.752	0.753	0.000
100	B20_Biased	0.755	0.755	0.000
100	B21_Biased	0.755	0.755	0.000
100	B24_Biased	0.752	0.753	0.000
100	B25_Biased	0.754	0.754	0.000
100	B26_Biased	0.751	0.751	0.000
100	C16_Biased	0.756	0.756	0.000
100	C17_Biased	0.755	0.755	0.000
100	C18_Biased	0.756	0.756	-0.001
100	C19_Biased	0.754	0.754	0.000
100	C25_Biased	0.754	0.754	0.000
100	C26_Biased	0.755	0.756	0.000
100	C31_Biased	0.756	0.757	0.000
100	A107_Unbiased	0.754	0.754	0.000
100	A108_Unbiased	0.755	0.755	0.000
100	A109_Unbiased	0.756	0.756	0.000
100	A110_Unbiased	0.756	0.756	0.000
100	A111_Unbiased	0.755	0.755	0.000
100	A112_Unbiased	0.756	0.756	0.000
100	A113_Unbiased	0.756	0.756	0.000
100	B27_Unbiased	0.752	0.753	-0.001
100	B29_Unbiased	0.755	0.755	0.000
100	B30_Unbiased	0.754	0.754	0.000
100	B31_Unbiased	0.754	0.755	0.000
100	B32_Unbiased	0.755	0.755	0.000
100	B33_Unbiased	0.753	0.753	0.000
100	B34_Unbiased	0.753	0.753	0.000
100	B35_Unbiased	0.753	0.753	0.000
100	C32_Unbiased	0.753	0.753	0.000
100	C33_Unbiased	0.754	0.755	0.000
100	C34_Unbiased	0.754	0.754	0.000
100	C35_Unbiased	0.753	0.753	0.000
100	C36_Unbiased	0.755	0.756	0.000
100	C37_Unbiased	0.753	0.753	0.000
100	C38_Unbiased	0.754	0.755	0.000
	Max	0.757	0.758	0.000
	Average	0.754	0.755	0.000
	Min	0.751	0.751	-0.001
	Std Dev	0.001	0.001	0.000

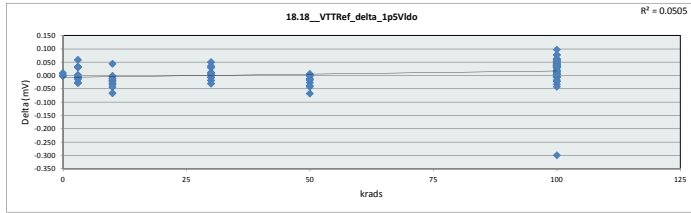


18.17_VTTRef_snkload_1p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
krads	LL	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.752	0.752	0.753	0.753	0.752	0.751
Average	0.754	0.755	0.755	0.755	0.755	0.754
Max	0.756	0.758	0.756	0.756	0.757	0.757
UL	0.765	0.765	0.765	0.765	0.765	0.765

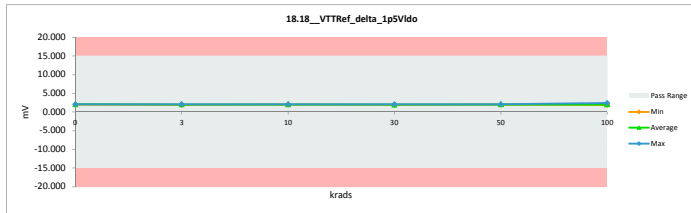


TID 100krad LDR Report
TPS7H3301-SP

18.18_VTTRef_delta_1p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.005	2.005	0.000
3	A79_Biased	2.024	1.992	0.032
3	A80_Biased	2.016	2.023	-0.007
3	B1_Biased	2.073	2.077	-0.004
3	B2_Biased	2.072	2.099	-0.027
3	C1_Biased	2.040	2.066	-0.026
3	A82_Unbiased	1.984	1.925	0.059
3	A83_Unbiased	2.025	1.992	0.033
3	B4_Unbiased	2.139	2.106	0.033
3	B5_Unbiased	2.073	2.070	0.003
3	C2_Unbiased	2.043	2.056	-0.013
10	A85_Biased	2.047	2.066	-0.019
10	A86_Biased	2.034	2.054	-0.020
10	B6_Biased	2.019	2.047	-0.028
10	C3_Biased	2.025	2.091	-0.066
10	C4_Biased	2.011	2.044	-0.033
10	A87_Unbiased	2.003	2.004	-0.001
10	A88_Unbiased	2.040	2.050	-0.010
10	B7_Unbiased	2.089	2.044	0.045
10	C5_Unbiased	1.999	2.042	-0.043
10	C6_Unbiased	1.990	2.002	-0.012
0	106_Corr	2.073	2.073	0.000
30	A89_Biased	1.999	2.005	-0.006
30	B8_Biased	2.070	2.039	0.031
30	B9_Biased	2.049	2.038	0.011
30	C7_Biased	2.057	2.064	-0.007
30	C9_Biased	2.047	2.064	-0.017
30	A90_Unbiased	1.946	1.935	0.011
30	B10_Unbiased	2.073	2.022	0.051
30	B11_Unbiased	2.078	2.042	0.036
30	C11_Unbiased	2.022	2.051	-0.029
30	C12_Unbiased	2.056	2.051	0.005
0	106_Corr	2.097	2.097	0.000
0	15B_Corr	2.056	2.056	0.000
50	A92_Biased	2.028	2.039	-0.011
50	A93_Biased	2.061	2.061	0.000
50	B12_Biased	2.013	2.039	-0.026
50	B13_Biased	2.030	2.097	-0.067
50	C14_Biased	2.025	2.066	-0.041
50	A95_Unbiased	2.015	2.031	-0.016
50	A96_Unbiased	2.068	2.106	-0.038
50	B15_Unbiased	1.996	1.989	0.007
50	B16_Unbiased	2.040	2.041	-0.001
50	C15_Unbiased	2.000	2.014	-0.014
0	106_Corr	2.073	2.073	0.000
100	A97_Biased	2.040	1.977	0.063
100	A99_Biased	2.050	2.000	0.050
100	A100_Biased	1.986	2.007	-0.021
100	A101_Biased	2.111	2.053	0.058
100	A102_Biased	2.112	2.049	0.063
100	A104_Biased	2.040	1.961	0.079
100	A105_Biased	2.019	1.981	0.038
100	B17_Biased	2.128	2.070	0.058
100	B18_Biased	2.092	2.095	-0.003
100	B19_Biased	2.067	2.031	0.036
100	B20_Biased	2.050	2.021	0.029
100	B21_Biased	2.066	2.033	0.033
100	B24_Biased	2.066	2.013	0.053
100	B25_Biased	2.095	1.997	0.098
100	B26_Biased	2.026	2.047	-0.021
100	C16_Biased	2.012	2.017	-0.005
100	C17_Biased	2.033	1.998	0.035
100	C18_Biased	2.033	2.018	0.015
100	C19_Biased	2.063	2.070	-0.007
100	C25_Biased	1.977	2.009	-0.032
100	C26_Biased	2.077	2.072	0.005
100	C31_Biased	2.036	2.052	-0.016
100	A107_Unbiased	2.085	2.053	0.032
100	A108_Unbiased	2.057	2.013	0.044
100	A109_Unbiased	1.976	1.935	0.041
100	A110_Unbiased	2.054	2.019	0.035
100	A111_Unbiased	2.077	2.016	0.061
100	A112_Unbiased	2.039	2.009	0.030
100	A113_Unbiased	2.025	1.988	0.037
100	B27_Unbiased	2.125	2.424	-0.299
100	B29_Unbiased	1.967	2.009	-0.042
100	B30_Unbiased	2.094	2.094	0.000
100	B31_Unbiased	2.065	1.988	0.077
100	B32_Unbiased	2.090	2.048	0.042
100	B33_Unbiased	2.036	2.039	-0.003
100	B34_Unbiased	2.059	2.049	0.010
100	B35_Unbiased	2.042	1.987	0.055
100	C32_Unbiased	2.027	2.006	0.021
100	C33_Unbiased	2.053	2.037	0.016
100	C34_Unbiased	2.045	2.041	0.004
100	C35_Unbiased	2.056	2.038	0.018
100	C36_Unbiased	2.082	2.072	0.010
100	C37_Unbiased	1.974	1.969	0.005
100	C38_Unbiased	2.071	2.035	0.036
	Max	2.424	2.424	0.000
	Average	2.045	2.038	0.007
	Min	1.946	1.925	0.021
	Std Dev	0.039	0.056	0.047

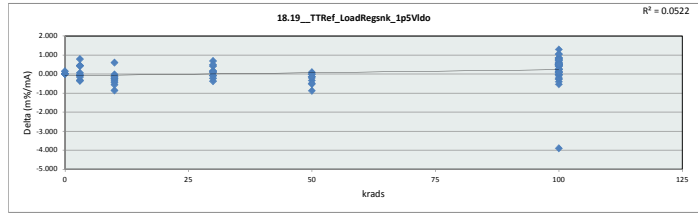


18.18_VTTRef_delta_1p5Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	2.005	1.925	2.002	1.935	1.989	1.935
Average	2.059	2.041	2.044	2.031	2.048	2.033
Max	2.097	2.106	2.091	2.064	2.106	2.424
UL	15.000	15.000	15.000	15.000	15.000	15.000

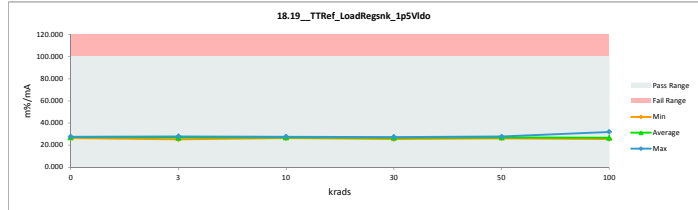


TID 100krad LDR Report
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18.19_TTRef_LoadReqsnk_1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	26.462	26.462	0.000
3	A79_Biased	26.654	26.220	0.434
3	A80_Biased	26.600	26.684	-0.084
3	B1_Biased	27.360	27.402	-0.042
3	B2_Biased	27.495	27.858	-0.363
3	C1_Biased	26.968	27.305	-0.337
3	A82_Unbiased	26.185	26.400	0.785
3	A83_Unbiased	26.689	26.258	0.431
3	B4_Unbiased	28.271	27.827	0.444
3	B5_Unbiased	27.414	27.357	0.057
3	C2_Unbiased	26.964	27.119	-0.155
10	A85_Biased	27.127	27.379	-0.252
10	A86_Biased	26.880	27.148	-0.268
10	B6_Biased	26.627	26.991	-0.364
10	C3_Biased	26.765	27.625	-0.860
10	C4_Biased	26.527	26.968	-0.441
10	A87_Unbiased	26.532	26.550	-0.018
10	A88_Unbiased	26.903	27.024	-0.121
10	B7_Unbiased	27.633	27.032	0.601
10	C5_Unbiased	26.390	26.951	-0.561
10	C6_Unbiased	26.372	26.530	-0.158
0	106_Corr	27.406	27.406	0.000
30	A89_Biased	26.449	26.527	-0.078
30	B8_Biased	27.305	26.887	0.418
30	B9_Biased	27.117	26.965	0.152
30	C7_Biased	27.208	27.293	-0.085
30	C9_Biased	27.077	27.511	-0.234
30	A90_Unbiased	25.677	25.527	0.150
30	B10_Unbiased	27.447	26.763	0.684
30	B11_Unbiased	27.447	26.962	0.485
30	C11_Unbiased	26.729	27.104	-0.375
30	C12_Unbiased	27.186	27.111	0.075
0	106_Corr	27.712	27.712	0.000
0	158_Corr	27.258	27.258	0.000
50	A92_Biased	26.769	26.913	-0.144
50	A93_Biased	27.207	27.209	-0.002
50	B12_Biased	26.653	26.996	-0.343
50	B13_Biased	26.871	27.754	-0.883
50	C14_Biased	26.779	27.310	-0.531
50	A95_Unbiased	26.716	26.925	-0.209
50	A96_Unbiased	27.327	27.823	-0.496
50	B15_Unbiased	26.323	26.229	0.094
50	B16_Unbiased	27.005	27.017	-0.012
50	C15_Unbiased	26.397	26.543	-0.146
0	106_Corr	27.406	27.406	0.137
100	A97_Biased	26.984	26.142	0.842
100	A99_Biased	27.085	26.408	0.677
100	A100_Biased	26.358	26.618	-0.260
100	A101_Biased	27.885	27.109	0.776
100	A102_Biased	27.878	27.029	0.849
100	A104_Biased	26.951	25.903	1.048
100	A105_Biased	26.750	26.233	0.517
100	B17_Biased	28.116	27.338	0.778
100	B18_Biased	27.778	27.811	-0.033
100	B19_Biased	27.389	26.914	0.475
100	B20_Biased	27.077	26.684	0.393
100	B21_Biased	27.288	26.848	0.440
100	B24_Biased	27.384	26.668	0.716
100	B25_Biased	27.714	26.422	1.292
100	B26_Biased	26.896	27.179	-0.283
100	C16_Biased	26.550	26.601	-0.051
100	C17_Biased	26.868	26.394	0.474
100	C18_Biased	26.839	26.618	0.221
100	C19_Biased	27.286	27.377	-0.091
100	C25_Biased	26.147	26.558	-0.411
100	C26_Biased	27.434	27.345	0.089
100	C31_Biased	26.841	27.046	-0.205
100	A107_Unbiased	27.564	27.132	0.432
100	A108_Unbiased	27.177	26.592	0.585
100	A109_Unbiased	26.077	25.536	0.541
100	A110_Unbiased	27.120	26.649	0.471
100	A111_Unbiased	27.145	26.636	0.809
100	A112_Unbiased	26.896	26.491	0.405
100	A113_Unbiased	26.730	26.231	0.499
100	B27_Unbiased	28.165	32.076	-3.911
100	B29_Unbiased	25.991	26.542	-0.551
100	B30_Unbiased	28.296	27.699	0.597
100	B31_Unbiased	27.302	26.267	1.035
100	B32_Unbiased	27.625	27.069	0.556
100	B33_Unbiased	26.971	27.001	-0.030
100	B34_Unbiased	27.250	27.118	0.132
100	B35_Unbiased	27.047	26.323	0.724
100	C32_Unbiased	26.833	26.559	0.274
100	C33_Unbiased	27.140	26.917	0.223
100	C34_Unbiased	27.044	26.991	0.053
100	C35_Unbiased	27.225	26.990	0.235
100	C36_Unbiased	27.495	27.350	0.145
100	C37_Unbiased	26.154	26.074	0.080
100	C38_Unbiased	27.381	26.885	0.496
	Max	28.296	32.076	1.292
	Average	27.042	26.936	0.106
	Min	25.677	25.400	-3.911
	Std Dev	0.516	0.753	0.616

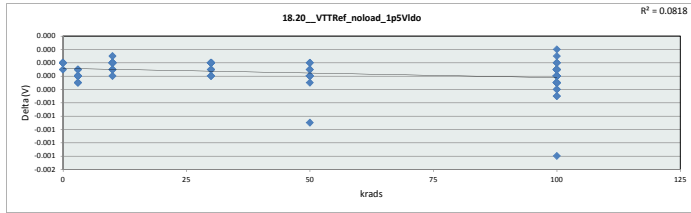


18.19_TTRef_LoadReqsnk_1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	26.462	25.400	26.530	25.527	26.229	25.536
Average	27.221	26.943	27.020	26.845	27.072	26.872
Max	27.712	27.858	27.625	27.311	27.823	32.076
UL	100.000	100.000	100.000	100.000	100.000	100.000

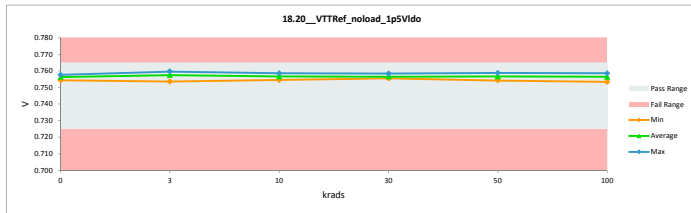


TID 100krad LDR Report
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18_20_VTTRef_noload_1p5Vidc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.758	0.758	0.000
3	A79_Biased	0.759	0.760	0.000
3	A80_Biased	0.758	0.758	0.000
3	B1_Biased	0.758	0.758	0.000
3	B2_Biased	0.753	0.754	0.000
3	C1_Biased	0.756	0.757	0.000
3	A82_Unbiased	0.758	0.758	0.000
3	A83_Unbiased	0.759	0.759	0.000
3	B4_Unbiased	0.757	0.757	0.000
3	B5_Unbiased	0.756	0.757	0.000
3	C2_Unbiased	0.758	0.758	0.000
10	A85_Biased	0.755	0.754	0.000
10	A86_Biased	0.757	0.757	0.000
10	B6_Biased	0.758	0.758	0.000
10	C3_Biased	0.757	0.757	0.000
10	C4_Biased	0.758	0.758	0.000
10	A87_Unbiased	0.755	0.755	0.000
10	A88_Unbiased	0.758	0.758	0.000
10	B7_Unbiased	0.756	0.756	0.000
10	C5_Unbiased	0.758	0.758	0.000
10	C6_Unbiased	0.754	0.754	0.000
0	106_Corr	0.757	0.757	0.000
30	A89_Biased	0.756	0.756	0.000
30	B8_Biased	0.758	0.758	0.000
30	B9_Biased	0.756	0.756	0.000
30	C7_Biased	0.756	0.756	0.000
30	C9_Biased	0.756	0.756	0.000
30	A90_Unbiased	0.758	0.758	0.000
30	B10_Unbiased	0.755	0.755	0.000
30	B11_Unbiased	0.757	0.757	0.000
30	C11_Unbiased	0.757	0.757	0.000
30	C12_Unbiased	0.756	0.756	0.000
0	106_Corr	0.757	0.757	0.000
0	15B_Corr	0.754	0.754	0.000
50	A92_Biased	0.757	0.757	0.000
50	A93_Biased	0.757	0.757	0.000
50	B12_Biased	0.755	0.755	0.000
50	B13_Biased	0.755	0.756	0.000
50	C14_Biased	0.756	0.757	0.000
50	A95_Unbiased	0.754	0.754	0.000
50	A96_Unbiased	0.757	0.757	0.000
50	B15_Unbiased	0.758	0.758	0.000
50	B16_Unbiased	0.756	0.756	0.000
50	C15_Unbiased	0.758	0.759	-0.001
0	106_Corr	0.757	0.757	0.000
100	A97_Biased	0.756	0.756	0.000
100	A99_Biased	0.757	0.757	0.000
100	A100_Biased	0.753	0.754	0.000
100	A101_Biased	0.757	0.757	0.000
100	A102_Biased	0.758	0.758	0.000
100	A104_Biased	0.757	0.757	0.000
100	A105_Biased	0.755	0.755	0.000
100	B17_Biased	0.757	0.757	0.000
100	B18_Biased	0.753	0.753	0.000
100	B19_Biased	0.755	0.755	0.000
100	B20_Biased	0.757	0.757	0.000
100	B21_Biased	0.757	0.757	0.000
100	B24_Biased	0.754	0.755	0.000
100	B25_Biased	0.756	0.756	0.000
100	B26_Biased	0.753	0.753	0.000
100	C16_Biased	0.758	0.758	0.000
100	C17_Biased	0.757	0.757	0.000
100	C18_Biased	0.758	0.758	0.000
100	C19_Biased	0.756	0.756	0.000
100	C25_Biased	0.756	0.757	0.000
100	C26_Biased	0.757	0.757	0.000
100	C31_Biased	0.758	0.759	0.000
100	A107_Unbiased	0.757	0.757	0.000
100	A108_Unbiased	0.757	0.757	0.000
100	A109_Unbiased	0.758	0.758	0.000
100	A110_Unbiased	0.757	0.758	0.000
100	A111_Unbiased	0.757	0.757	0.000
100	A112_Unbiased	0.758	0.758	0.000
100	A113_Unbiased	0.758	0.758	0.000
100	B27_Unbiased	0.754	0.756	-0.001
100	B29_Unbiased	0.757	0.757	0.000
100	B30_Unbiased	0.756	0.756	0.000
100	B31_Unbiased	0.757	0.757	0.000
100	B32_Unbiased	0.757	0.757	0.000
100	B33_Unbiased	0.755	0.755	0.000
100	B34_Unbiased	0.756	0.756	0.000
100	B35_Unbiased	0.755	0.755	0.000
100	C32_Unbiased	0.755	0.755	0.000
100	C33_Unbiased	0.756	0.757	0.000
100	C34_Unbiased	0.756	0.756	0.000
100	C35_Unbiased	0.755	0.755	0.000
100	C36_Unbiased	0.757	0.758	0.000
100	C37_Unbiased	0.755	0.755	0.000
100	C38_Unbiased	0.757	0.757	0.000
	Max	0.760	0.760	0.000
	Average	0.756	0.757	0.000
	Min	0.753	0.753	-0.001
	Std Dev	0.001	0.001	0.000

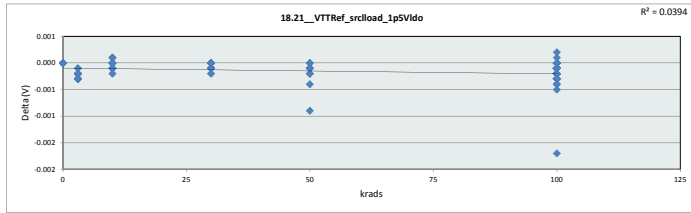


18_20_VTTRef_noload_1p5Vidc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
Krads	LL	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.754	0.754	0.755	0.755	0.754	0.753
Average	0.756	0.757	0.757	0.757	0.759	0.756
Max	0.758	0.760	0.759	0.758	0.759	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765

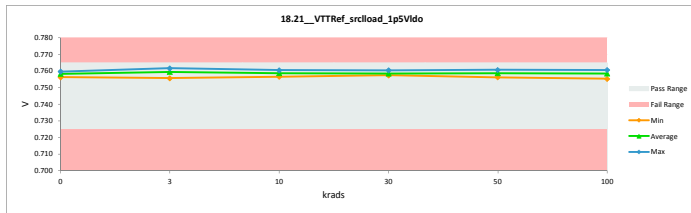


TID 100krad LDR Report
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18.21_VTTRef_srcload_1p5VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.760	0.760	0.000
3	A79_Biased	0.761	0.762	0.000
3	A80_Biased	0.760	0.760	0.000
3	B1_Biased	0.760	0.760	0.000
3	B2_Biased	0.756	0.756	0.000
3	C1_Biased	0.758	0.759	0.000
3	A82_Unbiased	0.760	0.760	0.000
3	A83_Unbiased	0.761	0.761	0.000
3	B4_Unbiased	0.759	0.759	0.000
3	B5_Unbiased	0.758	0.759	0.000
3	C2_Unbiased	0.760	0.760	0.000
10	A85_Biased	0.757	0.757	0.000
10	A86_Biased	0.759	0.759	0.000
10	B6_Biased	0.760	0.760	0.000
10	C3_Biased	0.759	0.759	0.000
10	C4_Biased	0.760	0.760	0.000
10	A87_Unbiased	0.757	0.757	0.000
10	A88_Unbiased	0.761	0.761	0.000
10	B7_Unbiased	0.758	0.758	0.000
10	C5_Unbiased	0.760	0.760	0.000
10	C6_Unbiased	0.757	0.757	0.000
0	106_Corr	0.759	0.759	0.000
30	A89_Biased	0.758	0.758	0.000
30	B8_Biased	0.760	0.760	0.000
30	B9_Biased	0.758	0.758	0.000
30	C7_Biased	0.758	0.758	0.000
30	C9_Biased	0.758	0.758	0.000
30	A90_Unbiased	0.760	0.760	0.000
30	B10_Unbiased	0.757	0.757	0.000
30	B11_Unbiased	0.759	0.759	0.000
30	C11_Unbiased	0.759	0.759	0.000
30	C12_Unbiased	0.758	0.758	0.000
0	106_Corr	0.759	0.759	0.000
0	15B_Corr	0.756	0.756	0.000
50	A92_Biased	0.760	0.760	0.000
50	A93_Biased	0.760	0.760	0.000
50	B12_Biased	0.757	0.757	0.000
50	B13_Biased	0.757	0.758	0.000
50	C14_Biased	0.758	0.759	0.000
50	A95_Unbiased	0.756	0.756	0.000
50	A96_Unbiased	0.759	0.759	0.000
50	B15_Unbiased	0.760	0.760	0.000
50	B16_Unbiased	0.758	0.758	0.000
50	C15_Unbiased	0.760	0.761	-0.001
0	106_Corr	0.759	0.759	0.000
100	A97_Biased	0.758	0.758	0.000
100	A99_Biased	0.759	0.759	0.000
100	A100_Biased	0.756	0.756	0.000
100	A101_Biased	0.759	0.759	0.000
100	A102_Biased	0.760	0.760	0.000
100	A104_Biased	0.759	0.759	0.000
100	A105_Biased	0.757	0.757	0.000
100	B17_Biased	0.759	0.759	0.000
100	B18_Biased	0.755	0.755	0.000
100	B19_Biased	0.757	0.757	0.000
100	B20_Biased	0.759	0.759	0.000
100	B21_Biased	0.759	0.759	0.000
100	B24_Biased	0.757	0.757	0.000
100	B25_Biased	0.758	0.758	0.000
100	B26_Biased	0.755	0.755	0.000
100	C16_Biased	0.760	0.760	0.000
100	C17_Biased	0.759	0.759	0.000
100	C18_Biased	0.760	0.760	-0.001
100	C19_Biased	0.758	0.758	0.000
100	C25_Biased	0.758	0.758	0.000
100	C26_Biased	0.759	0.760	0.000
100	C31_Biased	0.761	0.761	0.000
100	A107_Unbiased	0.758	0.759	0.000
100	A108_Unbiased	0.759	0.759	0.000
100	A109_Unbiased	0.760	0.760	0.000
100	A110_Unbiased	0.760	0.760	0.000
100	A111_Unbiased	0.759	0.759	0.000
100	A112_Unbiased	0.760	0.760	0.000
100	A113_Unbiased	0.760	0.760	0.000
100	B27_Unbiased	0.757	0.758	-0.002
100	B29_Unbiased	0.759	0.759	0.000
100	B30_Unbiased	0.758	0.758	0.000
100	B31_Unbiased	0.759	0.759	0.000
100	B32_Unbiased	0.759	0.759	0.000
100	B33_Unbiased	0.757	0.757	0.000
100	B34_Unbiased	0.758	0.758	0.000
100	B35_Unbiased	0.757	0.757	0.000
100	C32_Unbiased	0.757	0.757	0.000
100	C33_Unbiased	0.758	0.759	0.000
100	C34_Unbiased	0.758	0.758	0.000
100	C35_Unbiased	0.757	0.757	0.000
100	C36_Unbiased	0.760	0.760	0.000
100	C37_Unbiased	0.757	0.757	0.000
100	C38_Unbiased	0.759	0.759	0.000
	Max	0.761	0.762	0.000
	Average	0.758	0.759	0.000
	Min	0.755	0.755	-0.002
	Std Dev	0.001	0.001	0.000

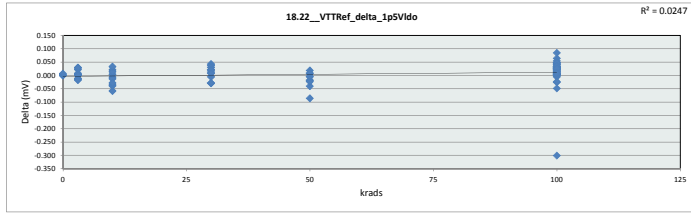


18.21_VTTRef_srcload_1p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765 V					
Min Limit	0.725 V					
krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.756	0.756	0.757	0.757	0.756	0.755
Average	0.758	0.759	0.759	0.759	0.759	0.758
Max	0.760	0.762	0.761	0.760	0.761	0.761
UL	0.765	0.765	0.765	0.765	0.765	0.765

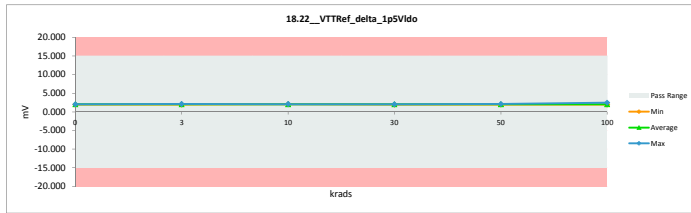


TID 100krad LDR Report
TPS7H3301-SP

18.22_VTTRef_delta_1p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.975	1.975	0.000
3	A79_Biased	2.025	2.039	-0.014
3	A80_Biased	2.035	2.013	0.022
3	B1_Biased	2.062	2.060	0.002
3	B2_Biased	2.084	2.081	0.003
3	C1_Biased	2.032	2.043	-0.011
3	A82_Unbiased	1.995	1.966	0.029
3	A83_Unbiased	2.000	1.992	0.008
3	B4_Unbiased	2.126	2.125	0.001
3	B5_Unbiased	2.080	2.052	0.028
3	C2_Unbiased	2.053	2.071	-0.018
10	A85_Biased	2.094	2.073	0.021
10	A86_Biased	2.027	2.034	-0.007
10	B6_Biased	2.034	2.047	-0.013
10	C3_Biased	2.022	2.080	-0.058
10	C4_Biased	2.002	2.041	-0.039
10	A87_Unbiased	2.025	2.021	0.004
10	A88_Unbiased	2.050	2.036	0.014
10	B7_Unbiased	2.073	2.040	0.033
10	C5_Unbiased	1.989	2.024	-0.035
10	C6_Unbiased	1.998	2.026	-0.028
0	106_Corr	2.067	2.067	0.000
30	A89_Biased	1.968	1.925	0.043
30	B8_Biased	2.091	2.053	0.038
30	B9_Biased	2.094	2.064	0.030
30	C7_Biased	2.025	2.055	-0.030
30	C9_Biased	1.995	2.001	-0.006
30	A90_Unbiased	1.991	1.978	0.013
30	B10_Unbiased	2.072	2.050	0.022
30	B11_Unbiased	2.064	2.044	0.020
30	C11_Unbiased	2.019	2.047	-0.028
30	C12_Unbiased	2.048	2.040	0.008
0	106_Corr	2.075	2.075	0.000
0	15B_Corr	2.061	2.061	0.000
50	A92_Biased	2.010	2.028	-0.018
50	A93_Biased	2.047	2.052	-0.005
50	B12_Biased	2.029	2.049	-0.020
50	B13_Biased	2.041	2.127	-0.086
50	C14_Biased	2.014	2.054	-0.040
50	A95_Unbiased	2.049	2.041	0.007
50	A96_Unbiased	2.064	2.087	-0.023
50	B15_Unbiased	2.005	1.987	0.018
50	B16_Unbiased	2.058	2.061	-0.003
50	C15_Unbiased	2.023	2.014	0.009
0	106_Corr	2.067	2.067	0.000
100	A97_Biased	1.994	1.953	0.041
100	A99_Biased	2.023	2.000	0.023
100	A100_Biased	2.029	2.000	0.029
100	A101_Biased	2.099	2.040	0.040
100	A102_Biased	2.095	2.031	0.064
100	A104_Biased	2.030	1.998	0.032
100	A105_Biased	2.014	1.989	0.025
100	B17_Biased	2.131	2.047	0.084
100	B18_Biased	2.089	2.079	0.010
100	B19_Biased	2.086	2.053	0.033
100	B20_Biased	2.043	2.019	0.024
100	B21_Biased	2.055	2.031	0.024
100	B24_Biased	2.081	2.037	0.044
100	B25_Biased	2.040	2.046	-0.006
100	B26_Biased	2.027	2.023	0.004
100	C16_Biased	2.037	2.006	0.031
100	C17_Biased	2.024	2.020	0.004
100	C18_Biased	2.022	1.993	0.029
100	C19_Biased	2.050	2.076	-0.026
100	C25_Biased	1.983	1.985	-0.002
100	C26_Biased	2.080	2.055	0.025
100	C31_Biased	2.047	2.070	-0.023
100	A107_Unbiased	2.064	2.049	0.015
100	A108_Unbiased	2.056	2.009	0.047
100	A109_Unbiased	2.009	1.994	0.015
100	A110_Unbiased	2.040	1.986	0.054
100	A111_Unbiased	2.065	2.017	0.048
100	A112_Unbiased	2.005	1.998	0.007
100	A113_Unbiased	2.026	1.992	0.034
100	B27_Unbiased	2.156	2.457	-0.301
100	B29_Unbiased	2.089	1.947	0.049
100	B30_Unbiased	2.099	2.096	0.003
100	B31_Unbiased	2.048	2.001	0.047
100	B32_Unbiased	2.081	2.047	0.034
100	B33_Unbiased	2.044	2.027	0.017
100	B34_Unbiased	2.076	2.054	0.022
100	B35_Unbiased	2.052	2.034	0.018
100	C32_Unbiased	2.042	2.007	0.035
100	C33_Unbiased	2.057	2.050	0.007
100	C34_Unbiased	2.032	2.030	0.002
100	C35_Unbiased	2.056	2.057	0.009
100	C36_Unbiased	2.069	2.067	0.002
100	C37_Unbiased	1.987	1.961	0.026
100	C38_Unbiased	2.048	2.039	0.009
	Max	2.156	2.457	0.084
	Average	2.044	2.038	0.006
	Min	1.947	1.925	-0.301
	Std Dev	0.037	0.057	0.043

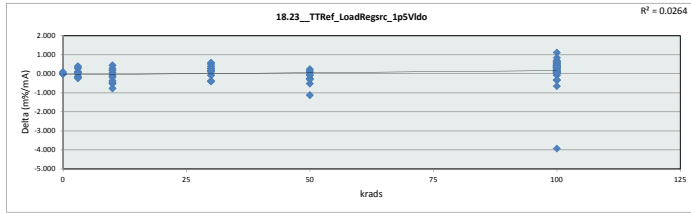


18.22_VTTRef_delta_1p5Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.975	1.966	2.021	1.925	1.987	1.953
Average	2.048	2.044	2.042	2.026	2.050	2.035
Max	2.075	2.125	2.080	2.064	2.127	2.457
UL	15.000	15.000	15.000	15.000	15.000	15.000

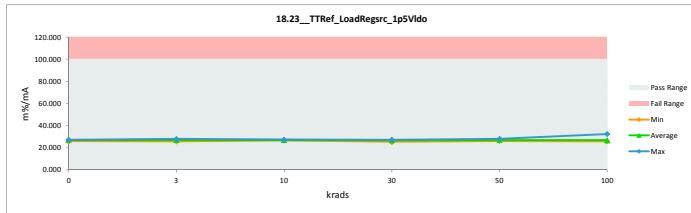


TID 100krad LDR Report
TPS7H3301-SP

18.23_TTRef_LoadRegsrc_1p5V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	26.062	26.062	0.000
3	A79_Biased	26.671	26.844	-0.173
3	A80_Biased	26.848	26.547	0.301
3	B1_Biased	27.221	27.177	0.044
3	B2_Biased	27.665	27.620	0.045
3	C1_Biased	26.862	26.999	-0.137
3	A82_Unbiased	26.331	26.939	0.392
3	A83_Unbiased	26.367	26.256	0.111
3	B4_Unbiased	28.098	28.078	0.020
3	B5_Unbiased	27.498	27.124	0.374
3	C2_Unbiased	27.100	27.324	-0.224
10	A85_Biased	27.750	27.471	0.279
10	A86_Biased	26.785	26.884	-0.099
10	B6_Biased	26.819	26.999	-0.180
10	C3_Biased	26.726	27.486	-0.760
10	C4_Biased	26.412	26.921	-0.509
10	A87_Unbiased	26.816	26.773	0.043
10	A88_Unbiased	27.030	26.850	0.180
10	B7_Unbiased	27.421	26.976	0.445
10	C5_Unbiased	26.251	26.721	-0.470
10	C6_Unbiased	26.483	26.851	-0.368
0	106_Corr	27.327	27.327	0.000
30	A89_Biased	26.047	25.469	0.578
30	B8_Biased	27.580	27.072	0.508
30	B9_Biased	27.709	27.310	0.399
30	C7_Biased	26.779	27.183	-0.404
30	C9_Biased	26.400	26.476	-0.076
30	A90_Unbiased	26.277	26.102	0.175
30	B10_Unbiased	27.425	27.139	0.286
30	B11_Unbiased	27.259	26.997	0.262
30	C11_Unbiased	26.682	27.054	-0.372
30	C12_Unbiased	27.077	26.969	0.108
0	106_Corr	27.420	27.420	0.000
0	15B_Corr	27.319	27.319	0.000
50	A92_Biased	26.534	26.776	-0.242
50	A93_Biased	27.021	27.092	-0.071
50	B12_Biased	26.861	27.124	-0.263
50	B13_Biased	27.022	28.148	-1.126
50	C14_Biased	26.633	27.144	-0.511
50	A95_Unbiased	27.165	27.067	0.098
50	A96_Unbiased	27.278	27.580	-0.302
50	B15_Unbiased	26.446	26.207	0.239
50	B16_Unbiased	27.240	27.283	-0.043
50	C15_Unbiased	26.693	26.541	0.152
0	106_Corr	27.327	27.327	0.000
100	A97_Biased	26.376	25.826	0.550
100	A99_Biased	26.730	26.409	0.321
100	A100_Biased	26.932	26.528	0.404
100	A101_Biased	27.725	27.193	0.532
100	A102_Biased	27.649	26.794	0.855
100	A104_Biased	26.822	26.392	0.430
100	A105_Biased	26.682	26.337	0.345
100	B17_Biased	28.153	27.044	1.109
100	B18_Biased	27.744	27.596	0.148
100	B19_Biased	27.645	27.203	0.442
100	B20_Biased	26.989	26.658	0.331
100	B21_Biased	27.135	26.817	0.318
100	B24_Biased	27.582	26.987	0.595
100	B25_Biased	26.995	27.075	-0.080
100	B26_Biased	26.914	26.860	0.054
100	C16_Biased	26.886	26.456	0.430
100	C17_Biased	26.744	26.690	0.054
100	C18_Biased	26.685	26.293	0.392
100	C19_Biased	27.109	27.459	-0.350
100	C25_Biased	26.230	26.237	-0.007
100	C26_Biased	27.474	27.132	0.342
100	C31_Biased	26.990	27.295	-0.305
100	A107_Unbiased	27.291	27.073	0.213
100	A108_Unbiased	27.161	26.538	0.623
100	A109_Unbiased	26.509	26.307	0.202
100	A110_Unbiased	26.925	26.215	0.710
100	A111_Unbiased	27.279	26.652	0.627
100	A112_Unbiased	26.451	26.358	0.093
100	A113_Unbiased	26.743	26.293	0.450
100	B27_Unbiased	28.580	32.506	-3.926
100	B29_Unbiased	25.726	26.371	-0.645
100	B30_Unbiased	27.778	27.722	0.056
100	B31_Unbiased	27.066	26.433	0.633
100	B32_Unbiased	27.502	27.047	0.455
100	B33_Unbiased	27.073	26.835	0.238
100	B34_Unbiased	27.482	27.179	0.303
100	B35_Unbiased	27.184	26.952	0.232
100	C32_Unbiased	27.038	26.572	0.466
100	C33_Unbiased	27.196	27.085	0.111
100	C34_Unbiased	26.869	26.845	0.024
100	C35_Unbiased	27.360	27.238	0.122
100	C36_Unbiased	27.319	27.280	0.039
100	C37_Unbiased	26.326	25.972	0.354
100	C38_Unbiased	27.077	26.937	0.140
	Max	28.580	32.506	1.109
	Average	27.021	26.940	0.081
	Min	25.726	25.469	-3.926
	Std Dev	0.504	0.769	0.562

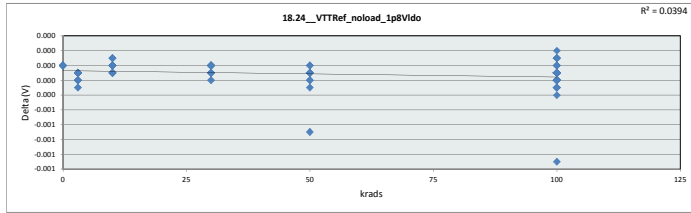


18.23_TTRef_LoadRegsrc_1p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	26.062	25.939	26.721	25.469	26.207	25.826
Average	27.072	26.991	26.993	26.777	27.096	26.902
Max	27.420	28.078	27.486	27.310	28.148	32.506
UL	100.000	100.000	100.000	100.000	100.000	100.000

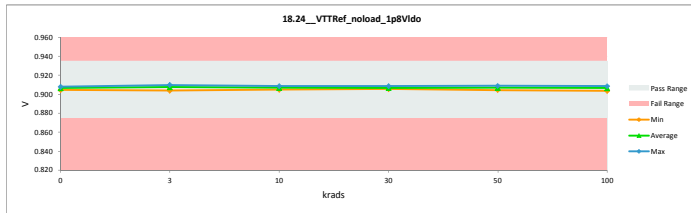


TID 100krad LDR Report
TPS7H3301-SP

18-24_VTTRef_noload_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.908	0.908	0.000
3	A79_Biased	0.910	0.910	0.000
3	A80_Biased	0.908	0.908	0.000
3	B1_Biased	0.908	0.908	0.000
3	B2_Biased	0.904	0.904	0.000
3	C1_Biased	0.907	0.907	0.000
3	A82_Unbiased	0.908	0.908	0.000
3	A83_Unbiased	0.909	0.909	0.000
3	B4_Unbiased	0.907	0.907	0.000
3	B5_Unbiased	0.906	0.907	0.000
3	C2_Unbiased	0.908	0.908	0.000
10	A85_Biased	0.905	0.905	0.000
10	A86_Biased	0.907	0.907	0.000
10	B6_Biased	0.909	0.909	0.000
10	C3_Biased	0.907	0.907	0.000
10	C4_Biased	0.908	0.908	0.000
10	A87_Unbiased	0.905	0.905	0.000
10	A88_Unbiased	0.909	0.909	0.000
10	B7_Unbiased	0.906	0.906	0.000
10	C5_Unbiased	0.908	0.908	0.000
10	C6_Unbiased	0.905	0.905	0.000
0	106_Corr	0.907	0.907	0.000
30	A89_Biased	0.906	0.906	0.000
30	B8_Biased	0.909	0.909	0.000
30	B9_Biased	0.906	0.906	0.000
30	C7_Biased	0.906	0.906	0.000
30	C9_Biased	0.906	0.906	0.000
30	A90_Unbiased	0.908	0.908	0.000
30	B10_Unbiased	0.906	0.906	0.000
30	B11_Unbiased	0.907	0.907	0.000
30	C11_Unbiased	0.907	0.907	0.000
30	C12_Unbiased	0.906	0.907	0.000
0	106_Corr	0.907	0.907	0.000
0	15B_Corr	0.905	0.905	0.000
50	A92_Biased	0.908	0.908	0.000
50	A93_Biased	0.908	0.908	0.000
50	B12_Biased	0.905	0.906	0.000
50	B13_Biased	0.906	0.906	0.000
50	C14_Biased	0.907	0.907	0.000
50	A95_Unbiased	0.904	0.904	0.000
50	A96_Unbiased	0.907	0.907	0.000
50	B15_Unbiased	0.908	0.909	0.000
50	B16_Unbiased	0.906	0.906	0.000
50	C15_Unbiased	0.908	0.909	-0.001
0	106_Corr	0.907	0.907	0.000
100	A97_Biased	0.906	0.906	0.000
100	A99_Biased	0.907	0.907	0.000
100	A100_Biased	0.904	0.904	0.000
100	A101_Biased	0.907	0.907	0.000
100	A102_Biased	0.908	0.908	0.000
100	A104_Biased	0.907	0.907	0.000
100	A105_Biased	0.905	0.905	0.000
100	B17_Biased	0.907	0.907	0.000
100	B18_Biased	0.903	0.904	0.000
100	B19_Biased	0.905	0.905	0.000
100	B20_Biased	0.907	0.907	0.000
100	B21_Biased	0.908	0.907	0.000
100	B24_Biased	0.905	0.905	0.000
100	B25_Biased	0.906	0.906	0.000
100	B26_Biased	0.903	0.904	0.000
100	C16_Biased	0.908	0.908	0.000
100	C17_Biased	0.907	0.907	0.000
100	C18_Biased	0.908	0.908	0.000
100	C19_Biased	0.906	0.906	0.000
100	C25_Biased	0.906	0.907	0.000
100	C26_Biased	0.907	0.908	0.000
100	C31_Biased	0.909	0.909	0.000
100	A107_Unbiased	0.907	0.907	0.000
100	A108_Unbiased	0.907	0.907	0.000
100	A109_Unbiased	0.908	0.908	0.000
100	A110_Unbiased	0.908	0.908	0.000
100	A111_Unbiased	0.907	0.907	0.000
100	A112_Unbiased	0.908	0.908	0.000
100	A113_Unbiased	0.908	0.908	0.000
100	B27_Unbiased	0.905	0.906	-0.001
100	B29_Unbiased	0.907	0.907	0.000
100	B30_Unbiased	0.906	0.906	0.000
100	B31_Unbiased	0.907	0.907	0.000
100	B32_Unbiased	0.907	0.907	0.000
100	B33_Unbiased	0.905	0.905	0.000
100	B34_Unbiased	0.906	0.906	0.000
100	B35_Unbiased	0.905	0.905	0.000
100	C32_Unbiased	0.905	0.906	0.000
100	C33_Unbiased	0.907	0.907	0.000
100	C34_Unbiased	0.906	0.906	0.000
100	C35_Unbiased	0.905	0.905	0.000
100	C36_Unbiased	0.908	0.908	0.000
100	C37_Unbiased	0.905	0.905	0.000
100	C38_Unbiased	0.907	0.907	0.000
	Max	0.910	0.910	0.000
	Average	0.907	0.907	0.000
	Min	0.903	0.904	-0.001
	Std Dev	0.001	0.001	0.000

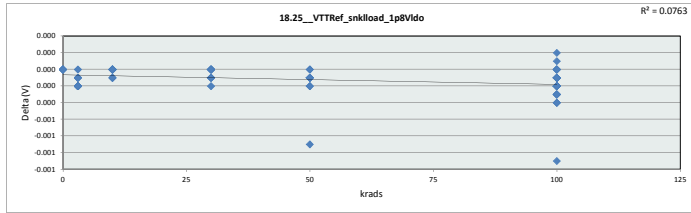


18-24_VTTRef_noload_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
Krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.905	0.904	0.905	0.906	0.904	0.904
Average	0.907	0.908	0.907	0.907	0.907	0.907
Max	0.908	0.910	0.909	0.909	0.909	0.909
UL	0.935	0.935	0.935	0.935	0.935	0.935

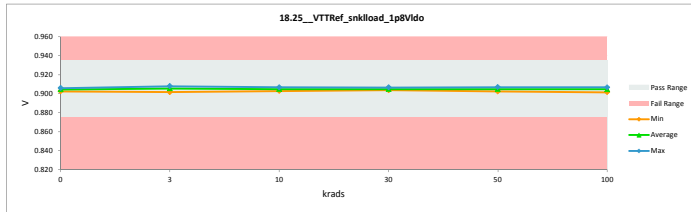


TID 100krad LDR Report
TPS7H3301-SP

18.25_VTTRef_snkload_1p8Vdc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.906	0.906	0.000
3	A79_Biased	0.908	0.908	0.000
3	A80_Biased	0.906	0.906	0.000
3	B1_Biased	0.906	0.906	0.000
3	B2_Biased	0.902	0.902	0.000
3	C1_Biased	0.905	0.905	0.000
3	A82_Unbiased	0.906	0.906	0.000
3	A83_Unbiased	0.907	0.907	0.000
3	B4_Unbiased	0.905	0.905	0.000
3	B5_Unbiased	0.904	0.905	0.000
3	C2_Unbiased	0.906	0.906	0.000
10	A85_Biased	0.903	0.903	0.000
10	A86_Biased	0.905	0.905	0.000
10	B6_Biased	0.906	0.906	0.000
10	C3_Biased	0.905	0.905	0.000
10	C4_Biased	0.906	0.906	0.000
10	A87_Unbiased	0.903	0.903	0.000
10	A88_Unbiased	0.907	0.907	0.000
10	B7_Unbiased	0.904	0.904	0.000
10	C5_Unbiased	0.906	0.906	0.000
10	C6_Unbiased	0.903	0.903	0.000
0	106_Corr	0.905	0.905	0.000
30	A89_Biased	0.904	0.904	0.000
30	B8_Biased	0.906	0.906	0.000
30	B9_Biased	0.904	0.904	0.000
30	C7_Biased	0.904	0.904	0.000
30	C9_Biased	0.904	0.904	0.000
30	A90_Unbiased	0.906	0.906	0.000
30	B10_Unbiased	0.904	0.904	0.000
30	B11_Unbiased	0.905	0.905	0.000
30	C11_Unbiased	0.905	0.905	0.000
30	C12_Unbiased	0.904	0.905	0.000
0	106_Corr	0.905	0.905	0.000
0	15B_Corr	0.902	0.902	0.000
50	A92_Biased	0.906	0.906	0.000
50	A93_Biased	0.906	0.906	0.000
50	B12_Biased	0.904	0.904	0.000
50	B13_Biased	0.904	0.904	0.000
50	C14_Biased	0.905	0.905	0.000
50	A95_Unbiased	0.902	0.902	0.000
50	A96_Unbiased	0.905	0.905	0.000
50	B15_Unbiased	0.906	0.906	0.000
50	B16_Unbiased	0.904	0.904	0.000
50	C15_Unbiased	0.906	0.907	-0.001
0	106_Corr	0.905	0.905	0.000
100	A97_Biased	0.904	0.904	0.000
100	A99_Biased	0.905	0.905	0.000
100	A100_Biased	0.902	0.902	0.000
100	A101_Biased	0.905	0.905	0.000
100	A102_Biased	0.906	0.906	0.000
100	A104_Biased	0.905	0.905	0.000
100	A105_Biased	0.903	0.903	0.000
100	B17_Biased	0.905	0.905	0.000
100	B18_Biased	0.901	0.901	0.000
100	B19_Biased	0.903	0.903	0.000
100	B20_Biased	0.905	0.905	0.000
100	B21_Biased	0.905	0.905	0.000
100	B24_Biased	0.903	0.903	0.000
100	B25_Biased	0.904	0.904	0.000
100	B26_Biased	0.901	0.901	0.000
100	C16_Biased	0.906	0.906	0.000
100	C17_Biased	0.905	0.905	0.000
100	C18_Biased	0.906	0.906	0.000
100	C19_Biased	0.904	0.904	0.000
100	C25_Biased	0.904	0.905	0.000
100	C26_Biased	0.905	0.906	0.000
100	C31_Biased	0.907	0.907	0.000
100	A107_Unbiased	0.905	0.905	0.000
100	A108_Unbiased	0.905	0.905	0.000
100	A109_Unbiased	0.906	0.906	0.000
100	A110_Unbiased	0.906	0.906	0.000
100	A111_Unbiased	0.905	0.905	0.000
100	A112_Unbiased	0.906	0.906	0.000
100	A113_Unbiased	0.906	0.906	0.000
100	B27_Unbiased	0.902	0.904	-0.001
100	B29_Unbiased	0.905	0.905	0.000
100	B30_Unbiased	0.904	0.904	0.000
100	B31_Unbiased	0.905	0.905	0.000
100	B32_Unbiased	0.905	0.905	0.000
100	B33_Unbiased	0.903	0.903	0.000
100	B34_Unbiased	0.904	0.904	0.000
100	B35_Unbiased	0.903	0.903	0.000
100	C32_Unbiased	0.904	0.904	0.000
100	C33_Unbiased	0.905	0.905	0.000
100	C34_Unbiased	0.904	0.905	0.000
100	C35_Unbiased	0.903	0.903	0.000
100	C36_Unbiased	0.906	0.906	0.000
100	C37_Unbiased	0.903	0.903	0.000
100	C38_Unbiased	0.905	0.905	0.000
	Max	0.908	0.908	0.000
	Average	0.905	0.905	0.000
	Min	0.901	0.901	-0.001
	Std Dev	0.001	0.001	0.000

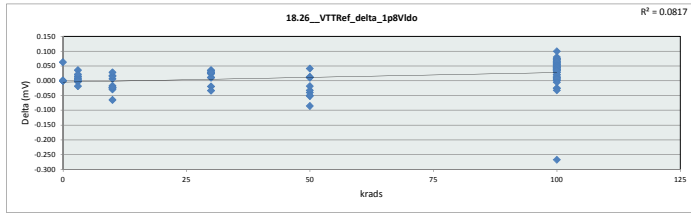


18.25_VTTRef_snkload_1p8V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.902	0.902	0.903	0.904	0.902	0.901
Average	0.904	0.906	0.905	0.905	0.905	0.905
Max	0.906	0.908	0.907	0.907	0.907	0.907
UL	0.935	0.935	0.935	0.935	0.935	0.935

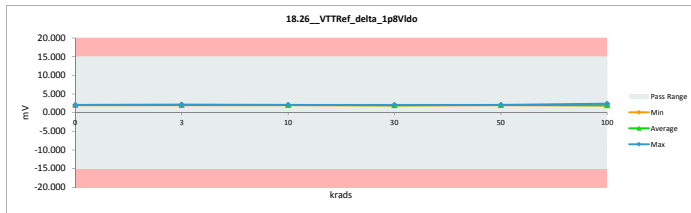


TID 100krad LDR Report
TPS7H3301-SP

18.26_VTTRef_delta_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.965	1.965	0.000
3	A79_Biased	2.033	2.036	-0.003
3	A80_Biased	2.060	2.045	0.015
3	B1_Biased	2.069	2.062	0.007
3	B2_Biased	2.150	2.152	-0.002
3	C1_Biased	2.024	2.021	0.003
3	A82_Unbiased	2.006	1.970	0.036
3	A83_Unbiased	2.006	1.993	0.013
3	B4_Unbiased	2.121	2.099	0.022
3	B5_Unbiased	2.063	2.063	0.000
3	C2_Unbiased	2.062	2.081	-0.019
10	A85_Biased	2.123	2.107	0.016
10	A86_Biased	2.017	2.046	-0.029
10	B6_Biased	2.024	2.049	-0.025
10	C3_Biased	2.018	2.083	-0.065
10	C4_Biased	2.031	2.054	-0.023
10	A87_Unbiased	2.060	2.054	0.006
10	A88_Unbiased	2.047	2.031	0.016
10	B7_Unbiased	2.059	2.031	0.028
10	C5_Unbiased	2.006	2.023	-0.017
10	C6_Unbiased	2.050	2.073	-0.023
0	106_Corr	2.071	2.071	0.000
30	A89_Biased	1.958	1.947	0.011
30	B8_Biased	2.084	2.059	0.025
30	B9_Biased	2.051	2.018	0.033
30	C7_Biased	2.025	2.045	-0.020
30	C9_Biased	2.004	1.993	0.011
30	A90_Unbiased	2.004	1.980	0.024
30	B10_Unbiased	2.028	2.000	0.028
30	B11_Unbiased	2.060	2.024	0.036
30	C11_Unbiased	2.016	2.050	-0.034
30	C12_Unbiased	2.052	2.024	0.028
0	106_Corr	2.085	2.085	0.000
0	15B_Corr	2.086	2.086	0.000
50	A92_Biased	1.972	2.012	-0.040
50	A93_Biased	2.039	2.028	0.011
50	B12_Biased	1.975	2.008	-0.033
50	B13_Biased	2.001	2.087	-0.086
50	C14_Biased	2.001	2.053	-0.052
50	A95_Unbiased	2.091	2.091	-0.018
50	A96_Unbiased	2.054	2.104	-0.050
50	B15_Unbiased	2.013	2.000	0.013
50	B16_Unbiased	2.036	2.025	0.011
50	C15_Unbiased	2.040	1.999	0.041
0	106_Corr	2.071	2.071	0.000
100	A97_Biased	1.996	1.956	0.040
100	A99_Biased	2.029	1.972	0.057
100	A100_Biased	2.092	2.047	0.045
100	A101_Biased	2.097	2.017	0.080
100	A102_Biased	2.107	2.045	0.062
100	A104_Biased	2.039	1.963	0.076
100	A105_Biased	2.054	2.010	0.044
100	B17_Biased	2.110	2.035	0.075
100	B18_Biased	2.098	2.045	0.053
100	B19_Biased	2.130	2.092	0.038
100	B20_Biased	2.052	1.983	0.069
100	B21_Biased	2.049	1.984	0.065
100	B24_Biased	2.112	2.080	0.032
100	B25_Biased	2.045	2.041	0.004
100	B26_Biased	2.053	1.997	0.056
100	C16_Biased	2.052	2.012	0.040
100	C17_Biased	2.025	1.988	0.037
100	C18_Biased	2.027	2.015	0.012
100	C19_Biased	2.049	2.075	-0.026
100	C25_Biased	1.971	1.971	0.000
100	C26_Biased	2.077	2.023	0.054
100	C31_Biased	2.046	2.071	-0.025
100	A107_Unbiased	2.062	2.014	0.048
100	A108_Unbiased	2.057	1.986	0.071
100	A109_Unbiased	2.028	1.993	0.035
100	A110_Unbiased	2.048	1.948	0.100
100	A111_Unbiased	2.064	2.016	0.048
100	A112_Unbiased	2.038	1.977	0.061
100	A113_Unbiased	2.037	1.964	0.073
100	B27_Unbiased	2.187	2.455	-0.268
100	B29_Unbiased	1.955	1.988	-0.033
100	B30_Unbiased	2.047	2.084	-0.037
100	B31_Unbiased	2.047	1.982	0.065
100	B32_Unbiased	2.072	2.020	0.052
100	B33_Unbiased	2.084	2.071	0.013
100	B34_Unbiased	2.018	2.017	0.001
100	B35_Unbiased	2.091	2.063	0.028
100	C32_Unbiased	2.003	1.993	0.010
100	C33_Unbiased	2.040	2.020	0.020
100	C34_Unbiased	2.031	2.024	0.007
100	C35_Unbiased	2.106	2.079	0.027
100	C36_Unbiased	2.058	2.014	0.044
100	C37_Unbiased	2.029	2.035	-0.006
100	C38_Unbiased	2.057	2.021	0.036
	Max	2.187	2.455	0.100
	Average	2.049	2.034	0.015
	Min	1.955	1.947	-0.268
	Std Dev	0.042	0.061	0.047

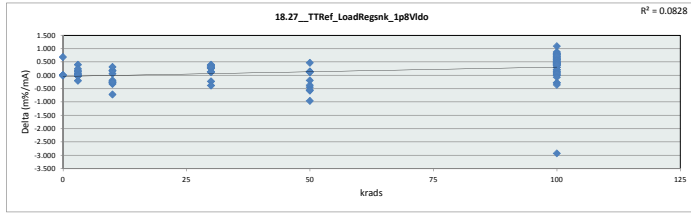


18.26_VTTRef_delta_1p8VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	LL	Min	Average	Max	UL	
0	-15.000	1.965	2.043	2.086	15.000	
3	-15.000	1.970	2.052	2.152	15.000	
10	-15.000	2.023	2.055	2.107	15.000	
30	-15.000	1.947	2.014	2.059	15.000	
50	-15.000	1.999	2.041	2.104	15.000	
100	-15.000	1.948	2.027	2.455	15.000	

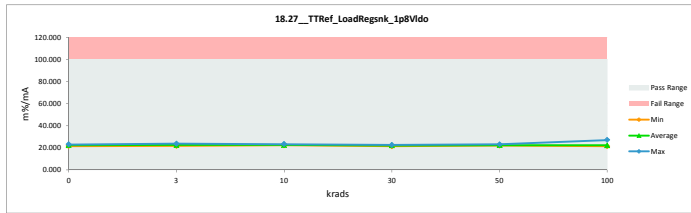


TID 100krad LDR Report
TPS7H3301-SP

18.27_TTRef_LoadRegsnk_1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	21.645	21.645	0.000
3	A79_Biased	22.354	22.376	-0.022
3	A80_Biased	22.690	22.516	0.174
3	B1_Biased	22.786	22.705	0.081
3	B2_Biased	23.789	23.812	-0.023
3	C1_Biased	22.321	22.291	0.030
3	A82_Unbiased	22.096	21.698	0.398
3	A83_Unbiased	22.067	21.926	0.141
3	B4_Unbiased	23.388	23.142	0.246
3	B5_Unbiased	22.757	22.759	-0.002
3	C2_Unbiased	22.713	22.911	-0.198
10	A85_Biased	23.465	23.282	0.183
10	A86_Biased	22.247	22.567	-0.320
10	B6_Biased	22.277	22.551	-0.274
10	C3_Biased	22.253	22.965	-0.712
10	C4_Biased	22.359	22.612	-0.253
10	A87_Unbiased	22.755	22.687	0.068
10	A88_Unbiased	22.524	22.523	0.171
10	B7_Unbiased	22.718	22.405	0.313
10	C5_Unbiased	22.092	22.280	-0.188
10	C6_Unbiased	22.656	22.907	-0.251
0	106_Corr	22.842	22.842	0.000
30	A89_Biased	21.613	21.482	0.131
30	B8_Biased	22.936	22.667	0.269
30	B9_Biased	22.645	22.279	0.366
30	C7_Biased	22.343	22.567	-0.224
30	C9_Biased	22.114	21.993	0.121
30	A90_Unbiased	22.072	21.807	0.265
30	B10_Unbiased	22.393	22.089	0.304
30	B11_Unbiased	22.705	22.309	0.396
30	C11_Unbiased	22.234	22.610	-0.376
30	C12_Unbiased	22.638	22.325	0.313
0	106_Corr	22.988	22.988	0.000
0	158_Corr	23.068	23.068	0.000
50	A92_Biased	21.727	22.161	-0.434
50	A93_Biased	22.466	22.340	0.126
50	B12_Biased	21.808	22.172	-0.364
50	B13_Biased	22.091	23.043	-0.952
50	C14_Biased	22.073	22.643	-0.570
50	A95_Unbiased	22.929	23.122	-0.193
50	A96_Unbiased	22.651	23.196	-0.545
50	B15_Unbiased	22.162	22.011	0.151
50	B16_Unbiased	22.476	22.350	0.126
50	C15_Unbiased	22.465	21.993	0.472
0	106_Corr	22.842	22.842	0.000
100	A97_Biased	22.028	21.583	0.445
100	A99_Biased	22.365	21.736	0.629
100	A100_Biased	23.143	22.641	0.502
100	A101_Biased	23.108	22.227	0.881
100	A102_Biased	23.208	22.516	0.692
100	A104_Biased	22.474	21.638	0.836
100	A105_Biased	22.691	22.201	0.490
100	B17_Biased	23.265	22.429	0.836
100	B18_Biased	23.227	22.633	0.594
100	B19_Biased	23.544	23.119	0.425
100	B20_Biased	22.618	21.854	0.764
100	B21_Biased	22.577	21.865	0.712
100	B24_Biased	23.343	22.983	0.360
100	B25_Biased	22.575	22.529	0.046
100	B26_Biased	22.721	22.100	0.621
100	C16_Biased	22.601	22.156	0.445
100	C17_Biased	22.325	21.920	0.405
100	C18_Biased	22.331	22.189	0.142
100	C19_Biased	22.607	22.894	-0.287
100	C25_Biased	21.749	21.744	0.005
100	C26_Biased	22.894	22.290	0.604
100	C31_Biased	22.515	22.789	-0.274
100	A107_Unbiased	22.735	22.526	0.209
100	A108_Unbiased	22.675	21.892	0.783
100	A109_Unbiased	22.328	21.948	0.380
100	A110_Unbiased	22.554	21.461	1.093
100	A111_Unbiased	22.754	22.220	0.534
100	A112_Unbiased	22.438	21.770	0.668
100	A113_Unbiased	22.434	21.633	0.801
100	B27_Unbiased	24.171	27.102	-2.931
100	B29_Unbiased	21.558	21.909	-0.351
100	B30_Unbiased	23.209	23.002	0.207
100	B31_Unbiased	22.575	21.850	0.725
100	B32_Unbiased	22.844	22.272	0.572
100	B33_Unbiased	23.025	22.870	0.155
100	B34_Unbiased	22.279	22.273	0.006
100	B35_Unbiased	23.098	22.794	0.304
100	C32_Unbiased	22.122	22.012	0.110
100	C33_Unbiased	22.499	22.275	0.224
100	C34_Unbiased	22.404	22.333	0.071
100	C35_Unbiased	23.268	22.965	0.303
100	C36_Unbiased	22.669	22.189	0.480
100	C37_Unbiased	22.424	22.486	-0.062
100	C38_Unbiased	22.687	22.283	0.404
	Max	24.171	27.102	1.093
	Average	22.594	22.431	0.163
	Min	21.558	21.461	-2.931
	Std Dev	0.475	0.687	0.513

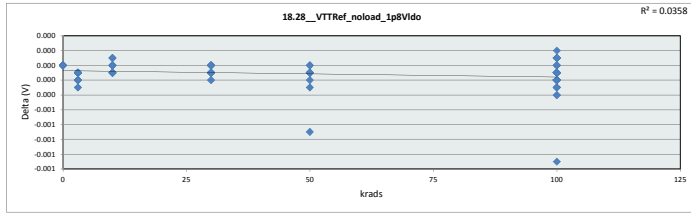


18.27_TTRef_LoadRegsnk_1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	1	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	21.645	21.698	22.280	21.482	21.993	21.461
Average	22.538	22.614	22.661	22.213	22.503	22.359
Max	23.068	23.812	23.282	22.667	23.196	27.102
UL	100.000	100.000	100.000	100.000	100.000	100.000

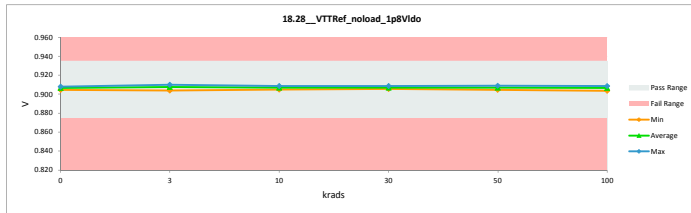


TID 100krad LDR Report
TPS7H3301-SP

18.28_VTTRef_noload_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.908	0.908	0.000
3	A79_Biased	0.910	0.910	0.000
3	A80_Biased	0.908	0.908	0.000
3	B1_Biased	0.908	0.908	0.000
3	B2_Biased	0.904	0.904	0.000
3	C1_Biased	0.907	0.907	0.000
3	A82_Unbiased	0.908	0.908	0.000
3	A83_Unbiased	0.909	0.909	0.000
3	B4_Unbiased	0.907	0.907	0.000
3	B5_Unbiased	0.906	0.907	0.000
3	C2_Unbiased	0.908	0.908	0.000
10	A85_Biased	0.905	0.905	0.000
10	A86_Biased	0.907	0.907	0.000
10	B6_Biased	0.909	0.909	0.000
10	C3_Biased	0.907	0.907	0.000
10	C4_Biased	0.908	0.908	0.000
10	A87_Unbiased	0.905	0.905	0.000
10	A88_Unbiased	0.909	0.909	0.000
10	B7_Unbiased	0.906	0.906	0.000
10	C5_Unbiased	0.908	0.908	0.000
10	C6_Unbiased	0.905	0.905	0.000
0	106_Corr	0.907	0.907	0.000
30	A89_Biased	0.906	0.906	0.000
30	B8_Biased	0.909	0.909	0.000
30	B9_Biased	0.906	0.906	0.000
30	C7_Biased	0.906	0.906	0.000
30	C9_Biased	0.906	0.906	0.000
30	A90_Unbiased	0.908	0.908	0.000
30	B10_Unbiased	0.906	0.906	0.000
30	B11_Unbiased	0.907	0.908	0.000
30	C11_Unbiased	0.907	0.907	0.000
30	C12_Unbiased	0.906	0.907	0.000
0	106_Corr	0.907	0.907	0.000
0	15B_Corr	0.905	0.905	0.000
50	A92_Biased	0.908	0.908	0.000
50	A93_Biased	0.908	0.908	0.000
50	B12_Biased	0.905	0.906	0.000
50	B13_Biased	0.906	0.906	0.000
50	C14_Biased	0.907	0.907	0.000
50	A95_Unbiased	0.904	0.904	0.000
50	A96_Unbiased	0.907	0.907	0.000
50	B15_Unbiased	0.908	0.909	0.000
50	B16_Unbiased	0.906	0.906	0.000
50	C15_Unbiased	0.908	0.909	-0.001
0	106_Corr	0.907	0.907	0.000
100	A97_Biased	0.906	0.906	0.000
100	A99_Biased	0.907	0.907	0.000
100	A100_Biased	0.904	0.904	0.000
100	A101_Biased	0.907	0.907	0.000
100	A102_Biased	0.908	0.908	0.000
100	A104_Biased	0.907	0.907	0.000
100	A105_Biased	0.905	0.905	0.000
100	B17_Biased	0.907	0.907	0.000
100	B18_Biased	0.904	0.904	0.000
100	B19_Biased	0.905	0.905	0.000
100	B20_Biased	0.907	0.907	0.000
100	B21_Biased	0.908	0.907	0.000
100	B24_Biased	0.905	0.905	0.000
100	B25_Biased	0.906	0.906	0.000
100	B26_Biased	0.903	0.904	0.000
100	C16_Biased	0.908	0.908	0.000
100	C17_Biased	0.907	0.907	0.000
100	C18_Biased	0.908	0.908	0.000
100	C19_Biased	0.906	0.906	0.000
100	C25_Biased	0.906	0.907	0.000
100	C26_Biased	0.907	0.908	0.000
100	C31_Biased	0.909	0.909	0.000
100	A107_Unbiased	0.907	0.907	0.000
100	A108_Unbiased	0.907	0.907	0.000
100	A109_Unbiased	0.908	0.908	0.000
100	A110_Unbiased	0.908	0.908	0.000
100	A111_Unbiased	0.907	0.907	0.000
100	A112_Unbiased	0.908	0.908	0.000
100	A113_Unbiased	0.908	0.908	0.000
100	B27_Unbiased	0.905	0.906	-0.001
100	B29_Unbiased	0.907	0.907	0.000
100	B30_Unbiased	0.906	0.906	0.000
100	B31_Unbiased	0.907	0.907	0.000
100	B32_Unbiased	0.907	0.907	0.000
100	B33_Unbiased	0.905	0.905	0.000
100	B34_Unbiased	0.906	0.906	0.000
100	B35_Unbiased	0.905	0.905	0.000
100	C32_Unbiased	0.905	0.906	0.000
100	C33_Unbiased	0.907	0.907	0.000
100	C34_Unbiased	0.906	0.906	0.000
100	C35_Unbiased	0.905	0.905	0.000
100	C36_Unbiased	0.908	0.908	0.000
100	C37_Unbiased	0.905	0.905	0.000
100	C38_Unbiased	0.907	0.907	0.000
	Max	0.910	0.910	0.000
	Average	0.907	0.907	0.000
	Min	0.903	0.904	-0.001
	Std Dev	0.001	0.001	0.000

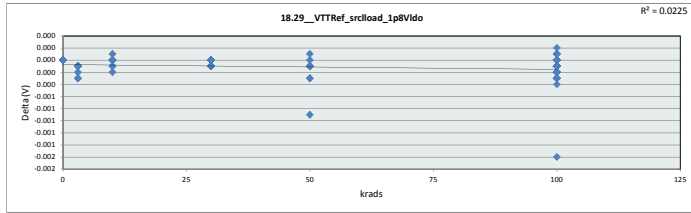


18.28_VTTRef_noload_1p8Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
Krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.905	0.904	0.905	0.906	0.904	0.904
Average	0.907	0.908	0.907	0.907	0.907	0.907
Max	0.908	0.910	0.909	0.909	0.909	0.909
UL	0.935	0.935	0.935	0.935	0.935	0.935

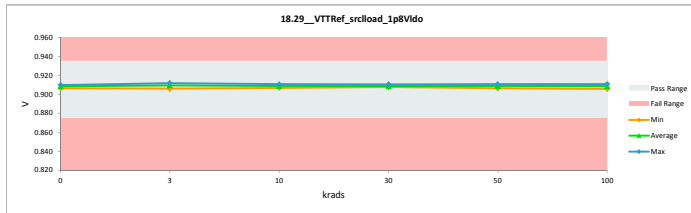


TID 100krad LDR Report
TPS7H3301-SP

18.29_VTTRef_srcload_1p8VId				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.910	0.910	0.000
3	A79_Biased	0.912	0.912	0.000
3	A80_Biased	0.910	0.910	0.000
3	B1_Biased	0.910	0.910	0.000
3	B2_Biased	0.906	0.906	0.000
3	C1_Biased	0.909	0.909	0.000
3	A82_Unbiased	0.910	0.910	0.000
3	A83_Unbiased	0.911	0.911	0.000
3	B4_Unbiased	0.909	0.909	0.000
3	B5_Unbiased	0.909	0.909	0.000
3	C2_Unbiased	0.910	0.910	0.000
10	A85_Biased	0.907	0.907	0.000
10	A86_Biased	0.909	0.909	0.000
10	B6_Biased	0.911	0.911	0.000
10	C3_Biased	0.909	0.909	0.000
10	C4_Biased	0.910	0.910	0.000
10	A87_Unbiased	0.907	0.907	0.000
10	A88_Unbiased	0.911	0.911	0.000
10	B7_Unbiased	0.908	0.908	0.000
10	C5_Unbiased	0.910	0.910	0.000
10	C6_Unbiased	0.907	0.907	0.000
0	106_Corr	0.909	0.909	0.000
30	A89_Biased	0.908	0.908	0.000
30	B8_Biased	0.910	0.911	0.000
30	B9_Biased	0.908	0.908	0.000
30	C7_Biased	0.908	0.908	0.000
30	C9_Biased	0.908	0.908	0.000
30	A90_Unbiased	0.910	0.910	0.000
30	B10_Unbiased	0.908	0.908	0.000
30	B11_Unbiased	0.910	0.910	0.000
30	C11_Unbiased	0.909	0.909	0.000
30	C12_Unbiased	0.909	0.909	0.000
0	106_Corr	0.909	0.909	0.000
0	15B_Corr	0.906	0.906	0.000
50	A92_Biased	0.910	0.910	0.000
50	A93_Biased	0.910	0.910	0.000
50	B12_Biased	0.908	0.908	0.000
50	B13_Biased	0.908	0.908	0.000
50	C14_Biased	0.909	0.909	0.000
50	A95_Unbiased	0.906	0.906	0.000
50	A96_Unbiased	0.909	0.909	0.000
50	B15_Unbiased	0.910	0.910	0.000
50	B16_Unbiased	0.908	0.908	0.000
50	C15_Unbiased	0.910	0.911	-0.001
0	106_Corr	0.909	0.909	0.000
100	A97_Biased	0.908	0.908	0.000
100	A99_Biased	0.909	0.909	0.000
100	A100_Biased	0.906	0.906	0.000
100	A101_Biased	0.910	0.910	0.000
100	A102_Biased	0.910	0.910	0.000
100	A104_Biased	0.909	0.909	0.000
100	A105_Biased	0.907	0.907	0.000
100	B17_Biased	0.909	0.909	0.000
100	B18_Biased	0.905	0.906	0.000
100	B19_Biased	0.907	0.907	0.000
100	B20_Biased	0.909	0.909	0.000
100	B21_Biased	0.910	0.910	0.000
100	B24_Biased	0.907	0.907	0.000
100	B25_Biased	0.908	0.908	0.000
100	B26_Biased	0.905	0.906	0.000
100	C16_Biased	0.910	0.910	0.000
100	C17_Biased	0.909	0.909	0.000
100	C18_Biased	0.910	0.910	0.000
100	C19_Biased	0.908	0.908	0.000
100	C25_Biased	0.908	0.909	0.000
100	C26_Biased	0.909	0.910	0.000
100	C31_Biased	0.911	0.911	0.000
100	A107_Unbiased	0.909	0.909	0.000
100	A108_Unbiased	0.909	0.909	0.000
100	A109_Unbiased	0.910	0.910	0.000
100	A110_Unbiased	0.910	0.910	0.000
100	A111_Unbiased	0.909	0.909	0.000
100	A112_Unbiased	0.910	0.910	0.000
100	A113_Unbiased	0.910	0.910	0.000
100	B27_Unbiased	0.907	0.908	-0.002
100	B29_Unbiased	0.909	0.909	0.000
100	B30_Unbiased	0.908	0.908	0.000
100	B31_Unbiased	0.909	0.909	0.000
100	B32_Unbiased	0.909	0.909	0.000
100	B33_Unbiased	0.907	0.907	0.000
100	B34_Unbiased	0.907	0.907	0.000
100	B35_Unbiased	0.907	0.907	0.000
100	C32_Unbiased	0.908	0.908	0.000
100	C33_Unbiased	0.909	0.909	0.000
100	C34_Unbiased	0.908	0.909	0.000
100	C35_Unbiased	0.907	0.907	0.000
100	C36_Unbiased	0.910	0.910	0.000
100	C37_Unbiased	0.907	0.907	0.000
100	C38_Unbiased	0.909	0.909	0.000
	Max	0.912	0.912	0.000
	Average	0.909	0.909	0.000
	Min	0.905	0.906	-0.002
	Std Dev	0.001	0.001	0.000

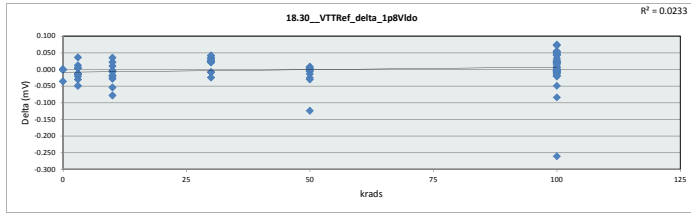


18.29_VTTRef_srcload_1p8V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
krads	LL	3	10	30	50	100
	0.875	0.875	0.875	0.875	0.875	0.875
	0.907	0.906	0.907	0.908	0.906	0.906
	0.909	0.910	0.909	0.909	0.909	0.909
	0.910	0.912	0.911	0.911	0.911	0.911
	0.935	0.935	0.935	0.935	0.935	0.935

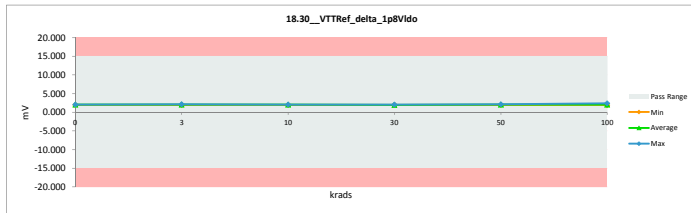


TID 100krad LDR Report
TPS7H3301-SP

18.30_VTTRef_delta_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.994	1.994	0.000
3	A79_Biased	2.024	2.012	0.012
3	A80_Biased	2.017	2.032	-0.015
3	B1_Biased	2.041	2.062	-0.021
3	B2_Biased	2.078	2.074	0.004
3	C1_Biased	2.022	2.052	-0.030
3	A82_Unbiased	1.947	1.947	0.003
3	A83_Unbiased	2.012	1.976	0.036
3	B4_Unbiased	2.123	2.136	-0.013
3	B5_Unbiased	2.072	2.085	-0.013
3	C2_Unbiased	2.029	2.078	-0.049
10	A85_Biased	2.074	2.064	0.010
10	A86_Biased	2.029	2.032	-0.022
10	B6_Biased	2.016	2.044	-0.028
10	C3_Biased	2.000	2.078	-0.078
10	C4_Biased	2.002	2.056	-0.054
10	A87_Unbiased	2.009	2.012	-0.003
10	A88_Unbiased	2.056	2.034	0.022
10	B7_Unbiased	2.086	2.051	0.035
10	C5_Unbiased	1.964	1.971	-0.007
10	C6_Unbiased	1.988	2.006	-0.018
0	106_Corr	2.051	2.050	0.001
30	A89_Biased	2.001	1.978	0.023
30	B8_Biased	2.061	2.030	0.031
30	B9_Biased	2.061	2.068	0.027
30	C7_Biased	2.045	2.053	-0.008
30	C9_Biased	2.038	2.047	-0.009
30	A90_Unbiased	1.986	1.950	0.036
30	B10_Unbiased	2.042	2.000	0.042
30	B11_Unbiased	2.048	2.027	0.021
30	C11_Unbiased	2.004	2.028	-0.024
30	C12_Unbiased	2.058	2.034	0.024
0	106_Corr	2.073	2.073	0.000
0	15B_Corr	2.043	2.043	0.000
50	A92_Biased	1.993	2.007	-0.014
50	A93_Biased	2.039	2.045	-0.006
50	B12_Biased	2.020	2.012	0.008
50	B13_Biased	1.995	2.119	-0.124
50	C14_Biased	2.026	2.051	-0.025
50	A95_Unbiased	2.023	2.027	-0.004
50	A96_Unbiased	2.053	2.083	-0.030
50	B15_Unbiased	1.975	1.972	0.003
50	B16_Unbiased	2.067	2.063	0.004
50	C15_Unbiased	2.001	2.000	0.001
0	106_Corr	2.051	2.051	-0.036
100	A97_Biased	2.022	1.975	0.047
100	A99_Biased	2.024	2.029	-0.005
100	A100_Biased	2.005	2.017	-0.012
100	A101_Biased	2.099	2.079	0.020
100	A102_Biased	2.082	2.058	0.024
100	A104_Biased	2.033	2.012	0.021
100	A105_Biased	2.014	1.971	0.043
100	B17_Biased	2.115	2.097	0.018
100	B18_Biased	2.122	2.096	0.026
100	B19_Biased	2.082	2.029	0.053
100	B20_Biased	2.044	2.049	-0.005
100	B21_Biased	2.050	2.050	0.000
100	B24_Biased	2.068	2.018	0.050
100	B25_Biased	2.084	2.032	0.052
100	B26_Biased	2.031	2.038	-0.007
100	C16_Biased	2.014	2.025	-0.011
100	C17_Biased	2.022	2.026	-0.004
100	C18_Biased	1.973	2.022	-0.049
100	C19_Biased	2.057	2.079	-0.022
100	C25_Biased	1.984	2.002	-0.018
100	C26_Biased	2.081	2.077	0.004
100	C31_Biased	2.046	2.055	-0.009
100	A107_Unbiased	2.072	2.072	0.000
100	A108_Unbiased	2.069	2.047	0.022
100	A109_Unbiased	1.998	1.975	0.023
100	A110_Unbiased	2.014	2.017	-0.003
100	A111_Unbiased	2.059	2.051	-0.002
100	A112_Unbiased	2.023	2.003	0.020
100	A113_Unbiased	2.020	1.945	0.075
100	B27_Unbiased	2.141	2.402	-0.261
100	B29_Unbiased	1.946	2.030	-0.084
100	B30_Unbiased	2.028	2.086	-0.042
100	B31_Unbiased	2.042	2.033	0.009
100	B32_Unbiased	2.077	2.050	0.027
100	B33_Unbiased	2.031	1.998	0.033
100	B34_Unbiased	2.040	2.015	0.045
100	B35_Unbiased	2.042	1.988	0.054
100	C32_Unbiased	2.023	1.951	0.072
100	C33_Unbiased	2.037	2.049	-0.012
100	C34_Unbiased	2.051	2.037	0.014
100	C35_Unbiased	2.062	2.054	0.054
100	C36_Unbiased	2.068	2.086	-0.018
100	C37_Unbiased	1.977	1.973	0.004
100	C38_Unbiased	2.045	2.049	-0.004
	Max	2.141	2.402	0.075
	Average	2.038	2.038	0.000
	Min	1.946	1.945	-0.261
	Std Dev	0.039	0.055	0.043

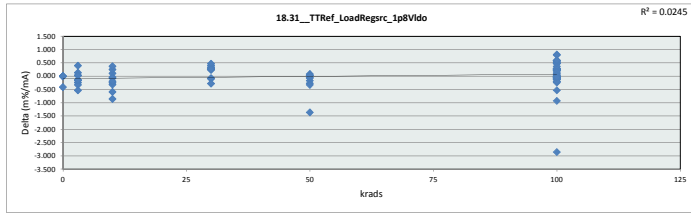


18.30_VTTRef_delta_1p8VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.994	1.947	1.971	1.950	1.972	1.945
Average	2.050	2.045	2.035	2.022	2.038	2.039
Max	2.087	2.136	2.078	2.068	2.119	2.402
UL	15.000	15.000	15.000	15.000	15.000	15.000

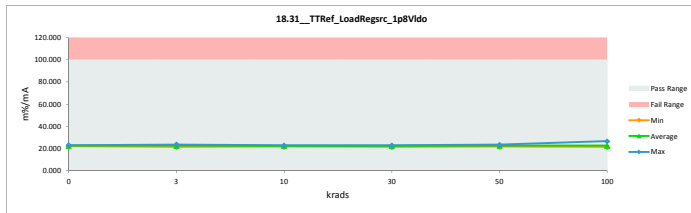


TID 100krad LDR Report
TPS7H3301-SP

18.31_TTRef_LoadResrcr_1p8V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	21.969	21.969	0.000
3	A79_Biased	22.247	22.118	0.129
3	A80_Biased	22.210	22.370	-0.160
3	B1_Biased	22.479	22.715	-0.236
3	B2_Biased	22.991	22.952	0.039
3	C1_Biased	22.301	22.630	-0.329
3	A82_Unbiased	21.476	21.445	0.031
3	A83_Unbiased	22.139	21.736	0.403
3	B4_Unbiased	23.412	23.553	-0.141
3	B5_Unbiased	22.857	22.998	-0.141
3	C2_Unbiased	22.341	22.875	-0.534
10	A85_Biased	22.919	22.814	0.105
10	A86_Biased	22.190	22.224	-0.034
10	B6_Biased	22.186	22.502	-0.316
10	C3_Biased	22.053	22.911	-0.858
10	C4_Biased	22.046	22.633	-0.587
10	A87_Unbiased	22.190	22.224	-0.034
10	A88_Unbiased	22.629	22.381	0.248
10	B7_Unbiased	23.013	22.634	0.379
10	C5_Unbiased	21.637	21.708	-0.071
10	C6_Unbiased	21.978	22.173	-0.195
0	106_Corr	22.615	22.615	0.000
30	A89_Biased	22.084	21.827	0.257
30	B8_Biased	22.688	22.344	0.344
30	B9_Biased	23.132	22.829	0.303
30	C7_Biased	22.569	22.645	-0.076
30	C9_Biased	22.497	22.589	-0.092
30	A90_Unbiased	21.868	21.468	0.400
30	B10_Unbiased	22.552	22.078	0.474
30	B11_Unbiased	22.571	22.335	0.236
30	C11_Unbiased	22.367	22.267	-0.270
30	C12_Unbiased	22.707	22.435	0.272
0	106_Corr	22.862	22.862	0.000
0	158_Corr	22.588	22.588	0.000
50	A92_Biased	21.952	22.114	-0.162
50	A93_Biased	22.463	22.532	-0.069
50	B12_Biased	22.303	22.221	0.082
50	B13_Biased	22.033	23.396	-1.363
50	C14_Biased	22.349	22.612	-0.263
50	A95_Unbiased	22.374	22.417	-0.043
50	A96_Unbiased	22.641	22.963	-0.322
50	B15_Unbiased	21.737	21.703	0.034
50	B16_Unbiased	22.814	22.779	0.035
50	C15_Unbiased	22.040	22.006	0.034
0	106_Corr	22.615	23.018	-0.403
100	A97_Biased	22.314	21.795	0.519
100	A99_Biased	22.312	22.364	-0.052
100	A100_Biased	22.188	22.311	-0.123
100	A101_Biased	23.129	22.917	0.212
100	A102_Biased	22.931	22.655	0.276
100	A104_Biased	22.413	22.176	0.237
100	A105_Biased	22.248	21.770	0.478
100	B17_Biased	23.316	23.111	0.205
100	B18_Biased	23.496	23.203	0.293
100	B19_Biased	23.010	22.416	0.594
100	B20_Biased	22.523	22.584	-0.061
100	B21_Biased	22.588	22.588	0.000
100	B24_Biased	22.863	22.301	0.562
100	B25_Biased	23.004	22.425	0.579
100	B26_Biased	22.478	22.560	-0.082
100	C16_Biased	22.185	22.292	-0.107
100	C17_Biased	22.301	22.335	-0.034
100	C18_Biased	22.735	22.259	0.476
100	C19_Biased	22.698	22.942	-0.244
100	C25_Biased	21.895	22.085	-0.190
100	C26_Biased	22.929	22.889	0.040
100	C31_Biased	22.519	22.617	-0.098
100	A107_Unbiased	22.850	22.948	-0.098
100	A108_Unbiased	22.809	22.564	0.245
100	A109_Unbiased	22.004	21.743	0.261
100	A110_Unbiased	22.187	22.225	-0.038
100	A111_Unbiased	22.698	22.723	-0.025
100	A112_Unbiased	22.274	22.046	0.228
100	A113_Unbiased	22.251	21.427	0.824
100	B27_Unbiased	23.663	26.515	-2.852
100	B29_Unbiased	21.452	22.379	-0.927
100	B30_Unbiased	23.492	23.018	0.474
100	B31_Unbiased	22.522	22.414	0.108
100	B32_Unbiased	22.901	22.599	0.302
100	B33_Unbiased	22.442	22.071	0.371
100	B34_Unbiased	22.738	22.246	0.492
100	B35_Unbiased	22.561	21.968	0.593
100	C32_Unbiased	22.346	21.548	0.798
100	C33_Unbiased	22.461	22.586	-0.125
100	C34_Unbiased	22.626	22.470	0.156
100	C35_Unbiased	22.782	22.176	0.606
100	C36_Unbiased	22.790	22.978	-0.188
100	C37_Unbiased	21.851	21.796	0.055
100	C38_Unbiased	22.551	22.590	-0.039
	Max	23.663	26.515	0.824
	Average	22.480	22.472	0.008
	Min	21.452	21.427	-2.852
	Std Dev	0.444	0.616	0.471

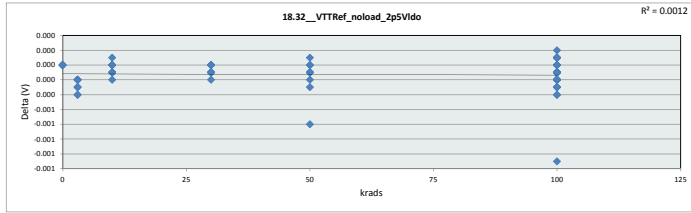


18.31_TTRef_LoadResrcr_1p8V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	21.969	21.445	21.708	21.468	21.703	21.427
Average	22.610	22.539	22.437	22.292	22.474	22.489
Max	23.018	23.553	22.911	22.829	23.396	26.515
UL	100.000	100.000	100.000	100.000	100.000	100.000

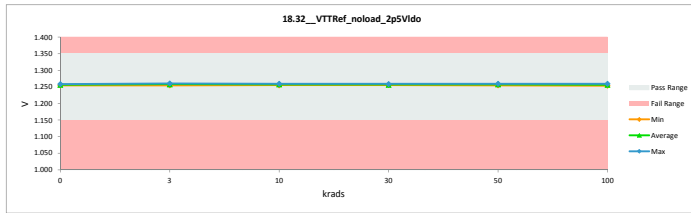


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18.32_VTTRef_noload_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.258	1.258	0.000
3	A79_Biased	1.260	1.260	0.000
3	A80_Biased	1.258	1.259	0.000
3	B1_Biased	1.258	1.258	0.000
3	B2_Biased	1.254	1.254	0.000
3	C1_Biased	1.257	1.257	0.000
3	A82_Unbiased	1.258	1.258	0.000
3	A83_Unbiased	1.259	1.260	0.000
3	B4_Unbiased	1.257	1.258	0.000
3	B5_Unbiased	1.257	1.257	0.000
3	C2_Unbiased	1.258	1.259	0.000
10	A85_Biased	1.255	1.255	0.000
10	A86_Biased	1.257	1.257	0.000
10	B6_Biased	1.259	1.259	0.000
10	C3_Biased	1.257	1.257	0.000
10	C4_Biased	1.258	1.259	0.000
10	A87_Unbiased	1.256	1.256	0.000
10	A88_Unbiased	1.259	1.259	0.000
10	B7_Unbiased	1.257	1.257	0.000
10	C5_Unbiased	1.258	1.258	0.000
10	C6_Unbiased	1.255	1.255	0.000
0	106_Corr	1.257	1.257	0.000
30	A89_Biased	1.256	1.257	0.000
30	B8_Biased	1.259	1.259	0.000
30	B9_Biased	1.256	1.256	0.000
30	C7_Biased	1.257	1.257	0.000
30	C9_Biased	1.256	1.257	0.000
30	A90_Unbiased	1.258	1.258	0.000
30	B10_Unbiased	1.256	1.256	0.000
30	B11_Unbiased	1.258	1.258	0.000
30	C11_Unbiased	1.257	1.257	0.000
30	C12_Unbiased	1.257	1.257	0.000
0	106_Corr	1.257	1.257	0.000
0	158_Corr	1.255	1.255	0.000
50	A92_Biased	1.258	1.258	0.000
50	A93_Biased	1.258	1.258	0.000
50	B12_Biased	1.256	1.256	0.000
50	B13_Biased	1.256	1.256	0.000
50	C14_Biased	1.257	1.257	0.000
50	A95_Unbiased	1.255	1.255	0.000
50	A96_Unbiased	1.257	1.258	0.000
50	B15_Unbiased	1.259	1.259	0.000
50	B16_Unbiased	1.256	1.256	0.000
50	C15_Unbiased	1.258	1.259	-0.001
0	106_Corr	1.257	1.257	0.000
100	A97_Biased	1.257	1.257	0.000
100	A99_Biased	1.258	1.258	0.000
100	A100_Biased	1.254	1.254	0.000
100	A101_Biased	1.258	1.258	0.000
100	A102_Biased	1.258	1.259	0.000
100	A104_Biased	1.258	1.258	0.000
100	A105_Biased	1.255	1.256	0.000
100	B17_Biased	1.258	1.258	0.000
100	B18_Biased	1.254	1.254	0.000
100	B19_Biased	1.255	1.255	0.000
100	B20_Biased	1.258	1.258	0.000
100	B21_Biased	1.258	1.258	0.000
100	B24_Biased	1.255	1.255	0.000
100	B25_Biased	1.257	1.256	0.000
100	B26_Biased	1.254	1.254	0.000
100	C16_Biased	1.258	1.258	0.000
100	C17_Biased	1.257	1.257	0.000
100	C18_Biased	1.258	1.259	0.000
100	C19_Biased	1.257	1.257	0.000
100	C25_Biased	1.257	1.257	0.000
100	C26_Biased	1.258	1.258	0.000
100	C31_Biased	1.259	1.259	0.000
100	A107_Unbiased	1.257	1.257	0.000
100	A108_Unbiased	1.257	1.258	0.000
100	A109_Unbiased	1.258	1.259	0.000
100	A110_Unbiased	1.258	1.258	0.000
100	A111_Unbiased	1.258	1.258	0.000
100	A112_Unbiased	1.259	1.259	0.000
100	A113_Unbiased	1.258	1.258	0.000
100	B27_Unbiased	1.255	1.256	-0.001
100	B29_Unbiased	1.257	1.258	0.000
100	B30_Unbiased	1.256	1.257	0.000
100	B31_Unbiased	1.257	1.257	0.000
100	B32_Unbiased	1.257	1.257	0.000
100	B33_Unbiased	1.256	1.256	0.000
100	B34_Unbiased	1.256	1.256	0.000
100	B35_Unbiased	1.255	1.255	0.000
100	C32_Unbiased	1.256	1.256	0.000
100	C33_Unbiased	1.257	1.257	0.000
100	C34_Unbiased	1.257	1.257	0.000
100	C35_Unbiased	1.256	1.256	0.000
100	C36_Unbiased	1.258	1.258	0.000
100	C37_Unbiased	1.255	1.255	0.000
100	C38_Unbiased	1.257	1.257	0.000
	Max	1.260	1.260	0.000
	Average	1.257	1.257	0.000
	Min	1.254	1.254	-0.001
	Std Dev	0.001	0.001	0.000

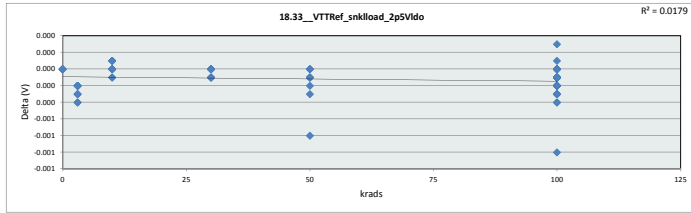


18.32_VTTRef_noload_2p5Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
Krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.255	1.254	1.255	1.256	1.255	1.254
Average	1.257	1.258	1.257	1.257	1.257	1.257
Max	1.258	1.260	1.259	1.259	1.259	1.259
UL	1.350	1.350	1.350	1.350	1.350	1.350

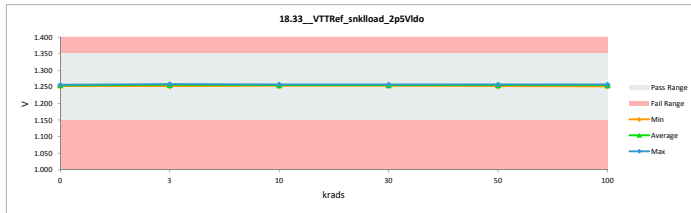


TID 100krad LDR Report
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18.33_VTTRef_snkload_2p5Vdc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.256	1.256	0.000
3	A79_Biased	1.258	1.258	0.000
3	A80_Biased	1.256	1.257	0.000
3	B1_Biased	1.256	1.256	0.000
3	B2_Biased	1.252	1.252	0.000
3	C1_Biased	1.255	1.255	0.000
3	A82_Unbiased	1.256	1.257	0.000
3	A83_Unbiased	1.257	1.258	0.000
3	B4_Unbiased	1.255	1.255	0.000
3	B5_Unbiased	1.255	1.255	0.000
3	C2_Unbiased	1.256	1.257	0.000
10	A85_Biased	1.253	1.253	0.000
10	A86_Biased	1.255	1.255	0.000
10	B6_Biased	1.257	1.257	0.000
10	C3_Biased	1.255	1.255	0.000
10	C4_Biased	1.257	1.257	0.000
10	A87_Unbiased	1.254	1.254	0.000
10	A88_Unbiased	1.257	1.257	0.000
10	B7_Unbiased	1.255	1.255	0.000
10	C5_Unbiased	1.256	1.256	0.000
10	C6_Unbiased	1.253	1.253	0.000
0	106_Corr	1.255	1.255	0.000
30	A89_Biased	1.254	1.255	0.000
30	B8_Biased	1.257	1.257	0.000
30	B9_Biased	1.254	1.254	0.000
30	C7_Biased	1.255	1.255	0.000
30	C9_Biased	1.254	1.254	0.000
30	A90_Unbiased	1.257	1.257	0.000
30	B10_Unbiased	1.254	1.254	0.000
30	B11_Unbiased	1.256	1.256	0.000
30	C11_Unbiased	1.255	1.255	0.000
30	C12_Unbiased	1.255	1.255	0.000
0	106_Corr	1.255	1.255	0.000
0	15B_Corr	1.253	1.253	0.000
50	A92_Biased	1.256	1.256	0.000
50	A93_Biased	1.256	1.256	0.000
50	B12_Biased	1.254	1.254	0.000
50	B13_Biased	1.254	1.254	0.000
50	C14_Biased	1.255	1.255	0.000
50	A95_Unbiased	1.253	0.000	0.000
50	A96_Unbiased	1.255	1.255	0.000
50	B15_Unbiased	1.257	1.257	0.000
50	B16_Unbiased	1.254	1.254	0.000
50	C15_Unbiased	1.256	1.257	-0.001
0	106_Corr	1.255	1.255	0.000
100	A97_Biased	1.255	1.255	0.000
100	A99_Biased	1.256	1.256	0.000
100	A100_Biased	1.252	1.252	0.000
100	A101_Biased	1.256	1.256	0.000
100	A102_Biased	1.256	1.257	0.000
100	A104_Biased	1.255	1.256	0.000
100	A105_Biased	1.253	1.254	0.000
100	B17_Biased	1.255	1.256	0.000
100	B18_Biased	1.252	1.252	0.000
100	B19_Biased	1.253	1.253	0.000
100	B20_Biased	1.256	1.256	0.000
100	B21_Biased	1.256	1.256	0.000
100	B24_Biased	1.253	1.253	0.000
100	B25_Biased	1.254	1.254	0.000
100	B26_Biased	1.252	1.252	0.000
100	C16_Biased	1.256	1.257	0.000
100	C17_Biased	1.255	1.255	0.000
100	C18_Biased	1.256	1.257	0.000
100	C19_Biased	1.255	1.255	0.000
100	C25_Biased	1.255	1.255	0.000
100	C26_Biased	1.256	1.256	0.000
100	C31_Biased	1.257	1.257	0.000
100	A107_Unbiased	1.255	1.255	0.000
100	A108_Unbiased	1.255	1.256	0.000
100	A109_Unbiased	1.257	1.257	0.000
100	A110_Unbiased	1.256	1.256	0.000
100	A111_Unbiased	1.255	1.255	0.000
100	A112_Unbiased	1.257	1.257	0.000
100	A113_Unbiased	1.257	1.257	0.000
100	B27_Unbiased	1.253	1.254	-0.001
100	B29_Unbiased	1.255	1.256	0.000
100	B30_Unbiased	1.254	1.254	0.000
100	B31_Unbiased	1.255	1.255	0.000
100	B32_Unbiased	1.255	1.255	0.000
100	B33_Unbiased	1.253	1.254	0.000
100	B34_Unbiased	1.254	1.254	0.000
100	B35_Unbiased	1.253	1.253	0.000
100	C32_Unbiased	1.254	1.254	0.000
100	C33_Unbiased	1.255	1.255	0.000
100	C34_Unbiased	1.255	1.255	0.000
100	C35_Unbiased	1.253	1.254	0.000
100	C36_Unbiased	1.256	1.256	0.000
100	C37_Unbiased	1.253	1.253	0.000
100	C38_Unbiased	1.255	1.255	0.000
	Max	1.258	1.258	0.000
	Average	1.255	1.255	0.000
	Min	1.252	1.252	-0.001
	Std Dev	0.001	0.001	0.000

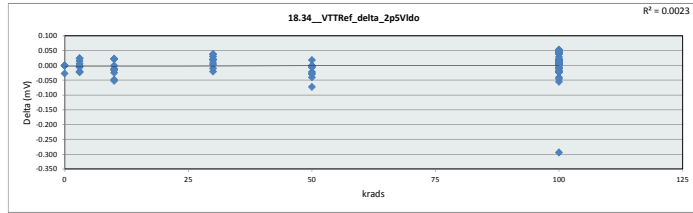


18.33_VTTRef_snkload_2p5V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
Krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.253	1.252	1.253	1.254	1.253	1.252
Average	1.255	1.256	1.255	1.255	1.255	1.255
Max	1.256	1.258	1.257	1.257	1.257	1.257
UL	1.350	1.350	1.350	1.350	1.350	1.350

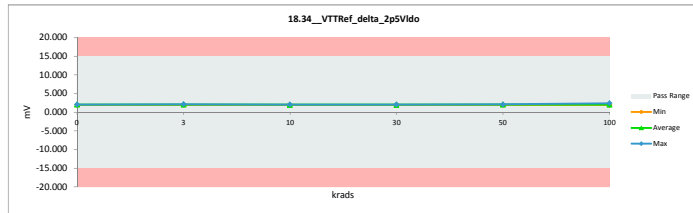


TID 100krad LDR Report
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18.34_VTTRef_delta_2p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.982	1.982	0.000
3	A79_Biased	2.063	2.038	0.025
3	A80_Biased	2.018	2.020	-0.002
3	B1_Biased	2.049	2.048	0.001
3	B2_Biased	2.074	2.081	-0.007
3	C1_Biased	2.034	2.057	-0.023
3	A82_Unbiased	1.970	1.955	0.015
3	A83_Unbiased	2.014	1.990	0.024
3	B4_Unbiased	2.114	2.134	-0.020
3	B5_Unbiased	2.057	2.051	0.006
3	C2_Unbiased	2.030	2.052	-0.022
10	A85_Biased	2.049	2.047	0.022
10	A86_Biased	2.005	2.030	-0.025
10	B6_Biased	2.017	2.028	-0.011
10	C3_Biased	1.992	2.044	-0.052
10	C4_Biased	1.996	2.044	-0.048
10	A87_Unbiased	2.011	2.011	0.000
10	A88_Unbiased	2.044	2.021	0.023
10	B7_Unbiased	2.061	2.038	0.023
10	C5_Unbiased	1.990	2.003	-0.013
10	C6_Unbiased	1.981	1.997	-0.016
0	106_Corr	2.055	2.052	0.003
30	A89_Biased	1.992	1.970	0.022
30	B8_Biased	2.065	2.046	0.019
30	B9_Biased	2.080	2.050	0.030
30	C7_Biased	2.036	2.034	0.002
30	C9_Biased	2.032	2.042	-0.010
30	A90_Unbiased	1.964	1.946	0.018
30	B10_Unbiased	2.068	2.029	0.039
30	B11_Unbiased	2.043	2.006	0.037
30	C11_Unbiased	2.010	2.021	-0.021
30	C12_Unbiased	2.030	2.021	0.009
0	106_Corr	2.080	2.080	0.000
0	15B_Corr	2.042	2.042	0.000
50	A92_Biased	1.992	2.014	-0.022
50	A93_Biased	2.042	2.042	0.000
50	B12_Biased	2.031	2.035	-0.004
50	B13_Biased	2.037	2.109	-0.072
50	C14_Biased	2.002	2.042	-0.040
50	A95_Unbiased	2.011	2.017	-0.006
50	A96_Unbiased	2.037	2.066	-0.029
50	B15_Unbiased	1.997	1.979	0.018
50	B16_Unbiased	2.061	2.062	-0.001
50	C15_Unbiased	1.994	2.020	-0.026
0	106_Corr	2.082	2.082	-0.027
100	A97_Biased	2.004	1.990	0.014
100	A99_Biased	2.001	2.009	-0.008
100	A100_Biased	1.997	1.979	0.018
100	A101_Biased	2.004	2.040	0.044
100	A102_Biased	2.079	2.030	0.049
100	A104_Biased	1.997	1.945	0.052
100	A105_Biased	2.015	2.000	0.015
100	B17_Biased	2.093	2.052	0.041
100	B18_Biased	2.078	2.073	0.005
100	B19_Biased	2.080	2.039	0.041
100	B20_Biased	2.032	2.022	0.010
100	B21_Biased	2.029	2.010	0.019
100	B24_Biased	2.072	2.052	0.020
100	B25_Biased	2.091	2.049	0.042
100	B26_Biased	2.013	2.023	-0.010
100	C16_Biased	2.011	2.032	-0.021
100	C17_Biased	2.023	2.034	-0.011
100	C18_Biased	2.006	1.983	0.023
100	C19_Biased	2.056	2.077	-0.021
100	C25_Biased	1.973	2.013	-0.040
100	C26_Biased	2.059	2.054	0.005
100	C31_Biased	2.042	2.066	-0.024
100	A107_Unbiased	2.068	2.066	0.002
100	A108_Unbiased	2.017	1.998	0.019
100	A109_Unbiased	1.992	1.963	0.029
100	A110_Unbiased	2.021	2.026	-0.005
100	A111_Unbiased	2.054	2.016	0.038
100	A112_Unbiased	2.025	1.971	0.054
100	A113_Unbiased	1.995	1.984	0.011
100	B27_Unbiased	2.136	2.430	-0.294
100	B29_Unbiased	1.914	1.969	-0.055
100	B30_Unbiased	2.123	2.076	0.047
100	B31_Unbiased	2.047	2.030	0.017
100	B32_Unbiased	2.047	2.065	-0.018
100	B33_Unbiased	2.042	2.052	-0.010
100	B34_Unbiased	2.071	2.066	0.005
100	B35_Unbiased	2.050	2.003	0.047
100	C32_Unbiased	2.030	2.028	0.002
100	C33_Unbiased	2.042	2.064	-0.022
100	C34_Unbiased	2.019	2.064	-0.045
100	C35_Unbiased	2.076	2.074	0.002
100	C36_Unbiased	2.041	2.060	-0.019
100	C37_Unbiased	1.942	1.932	0.010
100	C38_Unbiased	2.053	2.053	0.000
	Max	2.136	2.430	0.054
	Average	2.033	2.034	-0.001
	Min	1.914	1.932	-0.294
	Std Dev	0.038	0.056	0.041

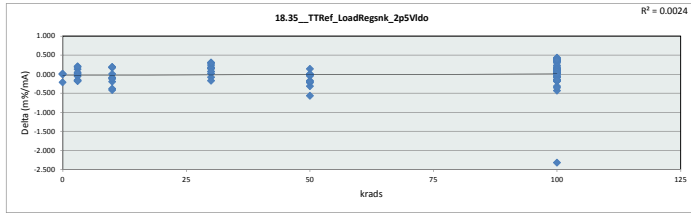


18.34_VTTRef_delta_2p5Vido						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	LL	3	10	30	50	100
	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
	1.982	1.955	1.997	1.946	1.979	1.932
	2.048	2.043	2.026	2.018	2.039	2.036
	2.082	2.134	2.047	2.050	2.109	2.430
	15.000	15.000	15.000	15.000	15.000	15.000

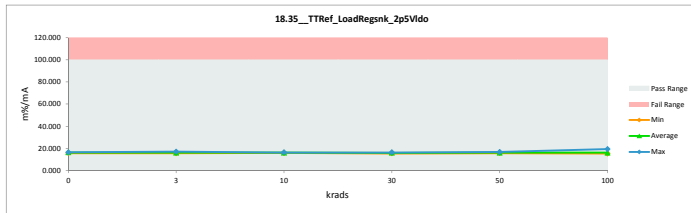


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18.35_TTRef_LoadReqsнк_2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	15.754	15.754	0.000
3	A79_Biased	16.374	16.170	0.204
3	A80_Unbiased	16.037	16.051	-0.014
3	B1_Biased	16.285	16.274	0.011
3	B2_Biased	16.534	16.590	-0.056
3	C1_Biased	16.184	16.361	-0.177
3	A82_Unbiased	15.659	15.533	0.126
3	A83_Unbiased	15.991	15.903	0.188
3	B4_Unbiased	16.815	16.969	-0.154
3	B5_Unbiased	16.363	16.313	0.050
3	C2_Unbiased	16.134	16.303	-0.169
10	A85_Biased	16.482	16.311	0.171
10	A86_Biased	15.948	16.143	-0.195
10	B6_Biased	16.022	16.113	-0.091
10	C3_Biased	15.843	16.256	-0.413
10	C4_Biased	15.857	16.239	-0.382
10	A87_Unbiased	16.016	16.013	0.003
10	A88_Unbiased	16.235	16.050	0.185
10	B7_Unbiased	16.400	16.220	0.180
10	C5_Unbiased	15.815	15.919	-0.104
10	C6_Unbiased	15.786	15.908	-0.122
0	106_Corr	16.250	16.250	0.000
30	A89_Biased	15.857	15.680	0.177
30	B8_Biased	16.402	16.253	0.149
30	B9_Biased	16.561	16.323	0.238
30	C7_Biased	16.203	16.183	0.020
30	C9_Biased	16.171	16.248	-0.077
30	A90_Unbiased	15.608	15.464	0.144
30	B10_Unbiased	16.464	16.158	0.306
30	B11_Unbiased	16.240	15.952	0.288
30	C11_Unbiased	15.987	16.159	-0.172
30	C12_Unbiased	16.154	16.079	0.075
0	106_Corr	16.548	16.548	0.000
0	15B_Corr	16.273	16.273	0.000
50	A92_Biased	15.837	16.010	-0.173
50	A93_Biased	16.227	16.226	0.001
50	B12_Biased	16.174	16.200	-0.026
50	B13_Biased	16.221	16.786	-0.565
50	C14_Biased	15.929	16.244	-0.315
50	A95_Unbiased	16.032	16.077	-0.045
50	A96_Unbiased	16.200	16.427	-0.227
50	B15_Unbiased	15.862	15.725	0.137
50	B16_Unbiased	16.411	16.412	-0.001
50	C15_Unbiased	15.851	16.046	-0.195
0	106_Corr	16.350	16.351	-0.211
100	A97_Biased	15.952	15.832	0.120
100	A99_Biased	15.913	15.971	-0.058
100	A100_Biased	15.925	15.781	0.144
100	A101_Biased	16.572	16.218	0.354
100	A102_Biased	16.523	16.129	0.394
100	A104_Biased	15.882	15.463	0.419
100	A105_Biased	16.050	15.929	0.121
100	B17_Biased	16.642	16.314	0.328
100	B18_Biased	16.575	16.533	0.042
100	B19_Biased	16.570	16.242	0.328
100	B20_Biased	16.156	16.072	0.084
100	B21_Biased	16.132	15.982	0.150
100	B24_Biased	16.507	16.351	0.156
100	B25_Biased	16.645	16.308	0.337
100	B26_Biased	16.054	16.135	-0.081
100	C16_Biased	15.981	16.150	-0.169
100	C17_Biased	16.091	16.176	-0.085
100	C18_Biased	15.945	15.754	0.191
100	C19_Biased	16.366	16.531	-0.165
100	C25_Biased	15.703	16.017	-0.314
100	C26_Biased	16.371	16.328	0.043
100	C31_Biased	16.222	16.409	-0.187
100	A107_Unbiased	16.449	16.429	0.020
100	A108_Unbiased	16.042	15.887	0.155
100	A109_Unbiased	15.831	15.599	0.232
100	A110_Unbiased	16.061	16.107	-0.046
100	A111_Unbiased	16.331	16.029	0.302
100	A112_Unbiased	16.088	15.658	0.430
100	A113_Unbiased	15.856	15.766	0.090
100	B27_Unbiased	17.016	19.341	-2.325
100	B29_Unbiased	15.221	15.658	-0.437
100	B30_Unbiased	16.899	16.522	0.377
100	B31_Unbiased	16.280	16.144	0.136
100	B32_Unbiased	16.277	16.426	-0.149
100	B33_Unbiased	16.261	16.339	-0.078
100	B34_Unbiased	16.489	16.447	0.042
100	B35_Unbiased	16.327	15.957	0.370
100	C32_Unbiased	16.161	16.148	0.013
100	C33_Unbiased	16.243	16.413	-0.170
100	C34_Unbiased	16.069	16.424	-0.355
100	C35_Unbiased	16.534	16.513	0.021
100	C36_Unbiased	16.224	16.373	-0.149
100	C37_Unbiased	15.470	15.393	0.077
100	C38_Unbiased	16.331	16.327	0.004
	Max	17.016	19.341	0.430
	Average	16.176	16.182	-0.006
	Min	15.221	15.393	-2.325
	Std Dev	0.310	0.449	0.324

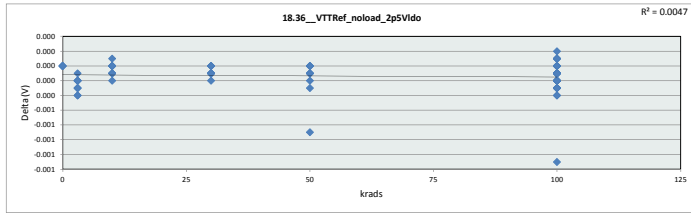


18.35_TTRef_LoadReqsнк_2p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	15.754	15.533	15.908	15.464	15.725	15.393
Average	16.297	16.237	16.117	16.050	16.215	16.194
Max	16.561	16.969	16.311	16.323	16.786	19.341
UL	100.000	100.000	100.000	100.000	100.000	100.000

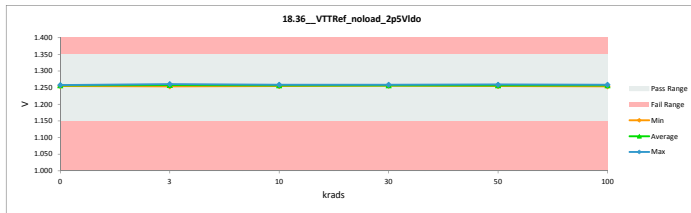


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18.36_VTTRef_noload_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.258	1.258	0.000
3	A79_Biased	1.260	1.260	0.000
3	A80_Biased	1.258	1.259	0.000
3	B1_Biased	1.258	1.258	0.000
3	B2_Biased	1.254	1.254	0.000
3	C1_Biased	1.257	1.257	0.000
3	A82_Unbiased	1.258	1.258	0.000
3	A83_Unbiased	1.259	1.260	0.000
3	B4_Unbiased	1.257	1.258	0.000
3	B5_Unbiased	1.257	1.257	0.000
3	C2_Unbiased	1.258	1.259	0.000
10	A85_Biased	1.255	1.255	0.000
10	A86_Biased	1.257	1.257	0.000
10	B6_Biased	1.259	1.259	0.000
10	C3_Biased	1.257	1.257	0.000
10	C4_Biased	1.258	1.259	0.000
10	A87_Unbiased	1.256	1.256	0.000
10	A88_Unbiased	1.259	1.259	0.000
10	B7_Unbiased	1.257	1.257	0.000
10	C5_Unbiased	1.258	1.258	0.000
10	C6_Unbiased	1.255	1.255	0.000
0	106_Corr	1.257	1.257	0.000
30	A89_Biased	1.256	1.257	0.000
30	B8_Biased	1.259	1.259	0.000
30	B9_Biased	1.256	1.256	0.000
30	C7_Biased	1.257	1.257	0.000
30	C9_Biased	1.256	1.257	0.000
30	A90_Unbiased	1.258	1.258	0.000
30	B10_Unbiased	1.256	1.256	0.000
30	B11_Unbiased	1.258	1.258	0.000
30	C11_Unbiased	1.257	1.257	0.000
30	C12_Unbiased	1.257	1.257	0.000
0	106_Corr	1.257	1.257	0.000
0	158_Corr	1.255	1.255	0.000
50	A92_Biased	1.258	1.258	0.000
50	A93_Biased	1.258	1.258	0.000
50	B12_Biased	1.256	1.256	0.000
50	B13_Biased	1.256	1.256	0.000
50	C14_Biased	1.257	1.257	0.000
50	A95_Unbiased	1.255	1.255	0.000
50	A96_Unbiased	1.257	1.258	0.000
50	B15_Unbiased	1.259	1.259	0.000
50	B16_Unbiased	1.256	1.256	0.000
50	C15_Unbiased	1.258	1.259	-0.001
0	106_Corr	1.257	1.257	0.000
100	A97_Biased	1.257	1.257	0.000
100	A99_Biased	1.258	1.258	0.000
100	A100_Biased	1.254	1.254	0.000
100	A101_Biased	1.258	1.258	0.000
100	A102_Biased	1.258	1.259	0.000
100	A104_Biased	1.258	1.258	0.000
100	A105_Biased	1.255	1.256	0.000
100	B17_Biased	1.258	1.258	0.000
100	B18_Biased	1.254	1.254	0.000
100	B19_Biased	1.255	1.255	0.000
100	B20_Biased	1.258	1.258	0.000
100	B21_Biased	1.258	1.258	0.000
100	B24_Biased	1.255	1.255	0.000
100	B25_Biased	1.257	1.256	0.000
100	B26_Biased	1.254	1.254	0.000
100	C16_Biased	1.258	1.258	0.000
100	C17_Biased	1.257	1.257	0.000
100	C18_Biased	1.258	1.259	0.000
100	C19_Biased	1.257	1.257	0.000
100	C25_Biased	1.257	1.257	0.000
100	C26_Biased	1.258	1.258	0.000
100	C31_Biased	1.259	1.259	0.000
100	A107_Unbiased	1.257	1.257	0.000
100	A108_Unbiased	1.257	1.258	0.000
100	A109_Unbiased	1.258	1.259	0.000
100	A110_Unbiased	1.258	1.258	0.000
100	A111_Unbiased	1.258	1.258	0.000
100	A112_Unbiased	1.259	1.259	0.000
100	A113_Unbiased	1.258	1.258	0.000
100	B27_Unbiased	1.255	1.256	-0.001
100	B29_Unbiased	1.257	1.258	0.000
100	B30_Unbiased	1.256	1.257	0.000
100	B31_Unbiased	1.257	1.257	0.000
100	B32_Unbiased	1.257	1.257	0.000
100	B33_Unbiased	1.256	1.256	0.000
100	B34_Unbiased	1.256	1.256	0.000
100	B35_Unbiased	1.255	1.255	0.000
100	C32_Unbiased	1.256	1.256	0.000
100	C33_Unbiased	1.257	1.257	0.000
100	C34_Unbiased	1.257	1.257	0.000
100	C35_Unbiased	1.256	1.256	0.000
100	C36_Unbiased	1.258	1.258	0.000
100	C37_Unbiased	1.255	1.255	0.000
100	C38_Unbiased	1.257	1.257	0.000
	Max	1.260	1.260	0.000
	Average	1.257	1.257	0.000
	Min	1.254	1.254	-0.001
	Std Dev	0.001	0.001	0.000

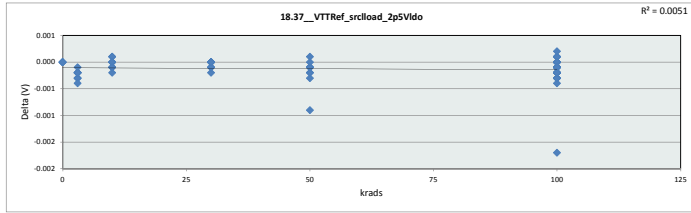


18.36_VTTRef_noload_2p5Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35 V					
Min Limit	1.15 V					
Krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.255	1.254	1.255	1.256	1.255	1.254
Average	1.257	1.258	1.257	1.257	1.257	1.257
Max	1.258	1.260	1.259	1.259	1.259	1.259
UL	1.350	1.350	1.350	1.350	1.350	1.350

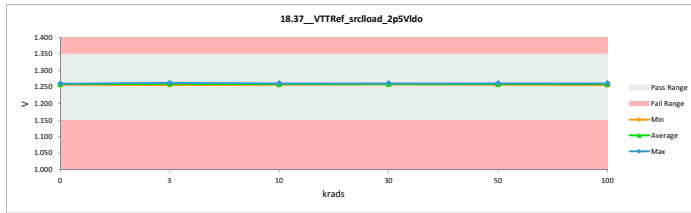


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18.37_VTTRef_srcload_2p5VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.260	1.260	0.000
3	A79_Biased	1.262	1.262	0.000
3	A80_Biased	1.260	1.261	0.000
3	B1_Biased	1.260	1.260	0.000
3	B2_Biased	1.256	1.256	0.000
3	C1_Biased	1.259	1.259	0.000
3	A82_Unbiased	1.260	1.260	0.000
3	A83_Unbiased	1.261	1.262	0.000
3	B4_Unbiased	1.259	1.260	0.000
3	B5_Unbiased	1.259	1.259	0.000
3	C2_Unbiased	1.260	1.261	0.000
10	A85_Biased	1.257	1.257	0.000
10	A86_Biased	1.259	1.259	0.000
10	B6_Biased	1.261	1.261	0.000
10	C3_Biased	1.259	1.259	0.000
10	C4_Biased	1.261	1.261	0.000
10	A87_Unbiased	1.258	1.258	0.000
10	A88_Unbiased	1.261	1.261	0.000
10	B7_Unbiased	1.259	1.259	0.000
10	C5_Unbiased	1.260	1.260	0.000
10	C6_Unbiased	1.257	1.257	0.000
0	106_Corr	1.259	1.259	0.000
30	A89_Biased	1.258	1.258	0.000
30	B8_Biased	1.261	1.261	0.000
30	B9_Biased	1.258	1.258	0.000
30	C7_Biased	1.259	1.259	0.000
30	C9_Biased	1.258	1.258	0.000
30	A90_Unbiased	1.260	1.260	0.000
30	B10_Unbiased	1.258	1.258	0.000
30	B11_Unbiased	1.260	1.260	0.000
30	C11_Unbiased	1.259	1.259	0.000
30	C12_Unbiased	1.259	1.259	0.000
0	106_Corr	1.259	1.259	0.000
0	15B_Corr	1.257	1.257	0.000
50	A92_Biased	1.260	1.260	0.000
50	A93_Biased	1.260	1.260	0.000
50	B12_Biased	1.258	1.258	0.000
50	B13_Biased	1.258	1.258	0.000
50	C14_Biased	1.259	1.259	0.000
50	A95_Unbiased	1.257	1.257	0.000
50	A96_Unbiased	1.259	1.260	0.000
50	B15_Unbiased	1.261	1.261	0.000
50	B16_Unbiased	1.258	1.258	0.000
50	C15_Unbiased	1.260	1.261	-0.001
0	106_Corr	1.259	1.259	0.000
100	A97_Biased	1.259	1.259	0.000
100	A99_Biased	1.260	1.260	0.000
100	A100_Biased	1.256	1.256	0.000
100	A101_Biased	1.260	1.260	0.000
100	A102_Biased	1.260	1.261	0.000
100	A104_Biased	1.260	1.260	0.000
100	A105_Biased	1.257	1.258	0.000
100	B17_Biased	1.260	1.260	0.000
100	B18_Biased	1.256	1.256	0.000
100	B19_Biased	1.257	1.257	0.000
100	B20_Biased	1.260	1.260	0.000
100	B21_Biased	1.260	1.260	0.000
100	B24_Biased	1.257	1.257	0.000
100	B25_Biased	1.258	1.258	0.000
100	B26_Biased	1.256	1.256	0.000
100	C16_Biased	1.260	1.260	0.000
100	C17_Biased	1.259	1.259	0.000
100	C18_Biased	1.260	1.261	0.000
100	C19_Biased	1.259	1.259	0.000
100	C25_Biased	1.259	1.259	0.000
100	C26_Biased	1.260	1.260	0.000
100	C31_Biased	1.261	1.261	0.000
100	A107_Unbiased	1.259	1.259	0.000
100	A108_Unbiased	1.260	1.260	0.000
100	A109_Unbiased	1.261	1.261	0.000
100	A110_Unbiased	1.260	1.260	0.000
100	A111_Unbiased	1.260	1.260	0.000
100	A112_Unbiased	1.261	1.261	0.000
100	A113_Unbiased	1.260	1.260	0.000
100	B27_Unbiased	1.257	1.259	-0.002
100	B29_Unbiased	1.259	1.260	0.000
100	B30_Unbiased	1.258	1.259	0.000
100	B31_Unbiased	1.259	1.259	0.000
100	B32_Unbiased	1.259	1.259	0.000
100	B33_Unbiased	1.258	1.258	0.000
100	B34_Unbiased	1.258	1.258	0.000
100	B35_Unbiased	1.257	1.257	0.000
100	C32_Unbiased	1.258	1.258	0.000
100	C33_Unbiased	1.259	1.259	0.000
100	C34_Unbiased	1.259	1.259	0.000
100	C35_Unbiased	1.258	1.258	0.000
100	C36_Unbiased	1.260	1.260	0.000
100	C37_Unbiased	1.257	1.257	0.000
100	C38_Unbiased	1.259	1.259	0.000
	Max	1.262	1.262	0.000
	Average	1.259	1.259	0.000
	Min	1.256	1.256	-0.002
	Std Dev	0.001	0.001	0.000

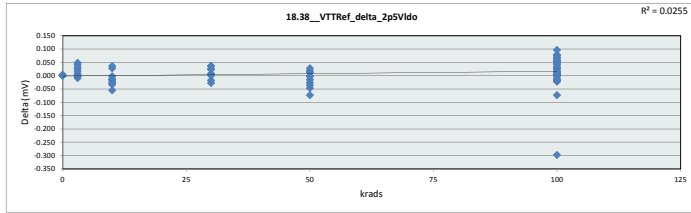


18.37_VTTRef_srcload_2p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
Krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.257	1.256	1.257	1.258	1.257	1.256
Average	1.259	1.260	1.259	1.259	1.259	1.259
Max	1.260	1.262	1.261	1.261	1.261	1.261
UL	1.350	1.350	1.350	1.350	1.350	1.350

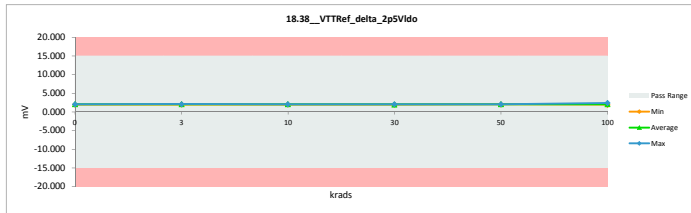


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18.38_VTTRef_delta_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.007	2.007	0.000
3	A79_Biased	2.014	2.008	0.006
3	A80_Biased	2.072	2.023	0.049
3	B1_Biased	2.108	2.083	0.025
3	B2_Biased	2.108	2.108	0.000
3	C1_Biased	2.027	2.036	-0.009
3	A82_Unbiased	2.021	1.990	0.041
3	A83_Unbiased	2.037	2.021	0.016
3	B4_Unbiased	2.126	2.094	0.032
3	B5_Unbiased	2.071	2.072	-0.001
3	C2_Unbiased	2.079	2.081	-0.002
10	A85_Biased	2.053	2.068	-0.015
10	A86_Biased	2.040	2.040	-0.012
10	B6_Biased	2.051	2.066	-0.015
10	C3_Biased	2.019	2.074	-0.055
10	C4_Biased	2.042	2.075	-0.033
10	A87_Unbiased	1.992	1.994	-0.002
10	A88_Unbiased	2.076	2.048	0.028
10	B7_Unbiased	2.074	2.038	0.036
10	C5_Unbiased	2.032	2.055	-0.023
10	C6_Unbiased	1.978	2.006	-0.028
0	106_Corr	2.062	2.062	0.000
30	A89_Biased	1.960	1.954	0.006
30	B8_Biased	2.102	2.065	0.037
30	B9_Biased	2.059	2.034	0.025
30	C7_Biased	2.034	2.052	-0.018
30	C9_Biased	1.998	1.998	0.000
30	A90_Unbiased	2.020	1.996	0.024
30	B10_Unbiased	2.044	2.007	0.037
30	B11_Unbiased	2.087	2.063	0.024
30	C11_Unbiased	2.018	2.045	-0.027
30	C12_Unbiased	2.041	2.033	0.008
0	106_Corr	2.081	2.081	0.000
0	15B_Corr	2.039	2.039	0.000
50	A92_Biased	2.035	2.061	-0.026
50	A93_Biased	2.084	2.085	-0.001
50	B12_Biased	2.003	2.018	-0.015
50	B13_Biased	2.009	2.082	-0.073
50	C14_Biased	2.010	2.056	-0.046
50	A95_Unbiased	2.020	2.020	0.019
50	A96_Unbiased	2.056	2.092	-0.036
50	B15_Unbiased	2.030	2.018	0.012
50	B16_Unbiased	2.030	2.033	-0.003
50	C15_Unbiased	2.050	2.022	0.028
0	106_Corr	2.058	2.058	0.000
100	A97_Biased	1.999	1.943	0.056
100	A99_Biased	2.046	1.977	0.069
100	A100_Biased	2.036	2.035	0.001
100	A101_Biased	2.128	2.049	0.079
100	A102_Biased	2.127	2.051	0.076
100	A104_Biased	2.024	1.978	0.046
100	A105_Biased	1.996	1.954	0.042
100	B17_Biased	2.139	2.042	0.097
100	B18_Biased	2.101	2.094	0.007
100	B19_Biased	2.050	2.072	-0.022
100	B20_Biased	2.080	2.027	0.053
100	B21_Biased	2.088	2.025	0.063
100	B24_Biased	2.075	2.067	0.008
100	B25_Biased	2.056	2.043	0.013
100	B26_Biased	2.048	2.035	0.013
100	C16_Biased	2.064	2.036	0.028
100	C17_Biased	2.032	2.022	0.010
100	C18_Biased	2.048	2.019	0.029
100	C19_Biased	2.044	2.055	-0.011
100	C25_Biased	1.967	1.985	-0.018
100	C26_Biased	2.103	2.057	0.046
100	C31_Biased	2.069	2.057	0.012
100	A107_Unbiased	2.074	2.057	0.017
100	A108_Unbiased	2.067	1.991	0.076
100	A109_Unbiased	2.037	1.979	0.058
100	A110_Unbiased	2.072	2.004	0.068
100	A111_Unbiased	2.052	2.036	0.016
100	A112_Unbiased	2.067	2.010	0.057
100	A113_Unbiased	2.046	1.990	0.056
100	B27_Unbiased	2.138	2.435	-0.297
100	B29_Unbiased	1.925	1.998	-0.073
100	B30_Unbiased	2.029	2.077	-0.025
100	B31_Unbiased	2.051	2.017	0.034
100	B32_Unbiased	2.071	2.057	0.014
100	B33_Unbiased	2.018	2.018	0.000
100	B34_Unbiased	2.020	2.042	-0.002
100	B35_Unbiased	2.020	2.038	-0.018
100	C32_Unbiased	2.007	2.005	0.002
100	C33_Unbiased	2.050	2.041	0.009
100	C34_Unbiased	2.031	2.030	0.001
100	C35_Unbiased	2.042	2.041	0.001
100	C36_Unbiased	2.099	2.056	0.043
100	C37_Unbiased	1.970	1.981	-0.011
100	C38_Unbiased	2.058	2.046	0.012
	Max	2.139	2.435	0.097
	Average	2.049	2.040	0.009
	Min	1.925	1.943	-0.297
	Std Dev	0.040	0.055	0.046

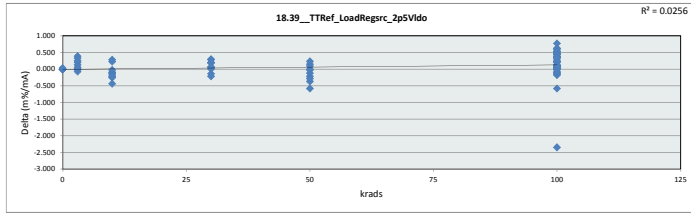


18.38_VTTRef_delta_2p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	2.007	1.980	1.994	1.954	2.018	1.943
Average	2.049	2.051	2.046	2.025	2.049	2.036
Max	2.081	2.108	2.075	2.065	2.092	2.435
UL	15.000	15.000	15.000	15.000	15.000	15.000

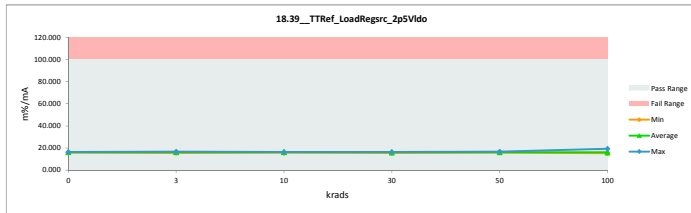


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18.39_TTRef_LoadRegrc_2p5V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	15.953	15.953	0.000
3	A79_Biased	15.986	15.932	0.054
3	A80_Biased	16.465	16.073	0.392
3	B1_Biased	16.756	16.553	0.203
3	B2_Biased	16.808	16.805	0.003
3	C1_Biased	16.126	16.195	-0.069
3	A82_Unbiased	16.065	15.732	0.333
3	A83_Unbiased	16.178	16.043	0.135
3	B4_Unbiased	16.910	16.654	0.256
3	B5_Unbiased	16.477	16.479	-0.002
3	C2_Unbiased	16.524	16.531	-0.007
10	A85_Biased	16.352	16.473	-0.121
10	A86_Biased	16.131	16.224	-0.093
10	B6_Biased	16.293	16.413	-0.120
10	C3_Biased	16.059	16.495	-0.436
10	C4_Biased	16.229	16.483	-0.254
10	A87_Unbiased	15.861	15.883	-0.022
10	A88_Unbiased	16.487	16.265	0.222
10	B7_Unbiased	16.501	16.220	0.281
10	C5_Unbiased	16.153	16.330	-0.177
10	C6_Unbiased	15.758	15.987	-0.229
0	106_Corr	16.407	16.407	0.000
30	A89_Biased	15.601	15.555	0.046
30	B8_Biased	16.700	16.405	0.295
30	B9_Biased	16.389	16.192	0.197
30	C7_Biased	16.183	16.325	-0.142
30	C9_Biased	15.899	15.898	0.001
30	A90_Unbiased	16.053	15.859	0.194
30	B10_Unbiased	16.274	15.980	0.294
30	B11_Unbiased	16.592	16.400	0.192
30	C11_Unbiased	16.255	16.269	-0.014
30	C12_Unbiased	16.243	16.172	0.071
0	106_Corr	16.553	16.553	0.000
0	158_Corr	16.250	16.250	0.000
50	A92_Biased	16.172	16.384	-0.212
50	A93_Biased	16.540	16.568	-0.028
50	B12_Biased	15.952	16.068	-0.116
50	B13_Biased	15.998	16.576	-0.578
50	C14_Biased	15.988	16.353	-0.365
50	A95_Unbiased	16.256	16.102	0.154
50	A96_Unbiased	16.356	16.640	-0.284
50	B15_Unbiased	16.124	16.034	0.090
50	B16_Unbiased	16.162	16.187	-0.025
50	C15_Unbiased	16.293	16.060	0.233
0	106_Corr	16.407	16.372	0.035
100	A97_Biased	15.911	15.457	0.454
100	A99_Biased	16.267	15.720	0.547
100	A100_Biased	16.234	16.225	0.009
100	A101_Biased	16.916	16.288	0.628
100	A102_Biased	16.901	16.294	0.607
100	A104_Biased	16.096	15.727	0.369
100	A105_Biased	15.898	15.563	0.335
100	B17_Biased	17.013	16.235	0.778
100	B18_Biased	16.760	16.498	0.262
100	B19_Biased	16.327	16.503	-0.176
100	B20_Biased	16.538	16.114	0.424
100	B21_Biased	16.603	16.099	0.504
100	B24_Biased	16.531	16.464	0.067
100	B25_Biased	16.362	16.260	0.102
100	B26_Biased	16.332	16.232	0.100
100	C16_Biased	16.405	16.180	0.225
100	C17_Biased	16.163	16.082	0.081
100	C18_Biased	16.273	16.252	0.021
100	C19_Biased	16.268	16.357	-0.089
100	C25_Biased	15.655	15.790	-0.135
100	C26_Biased	16.721	16.352	0.369
100	C31_Biased	16.436	16.341	0.095
100	A107_Unbiased	16.498	16.363	0.135
100	A108_Unbiased	16.438	15.827	0.611
100	A109_Unbiased	16.189	15.721	0.468
100	B10_Unbiased	16.467	15.932	0.535
100	A111_Unbiased	16.556	16.189	0.368
100	A112_Unbiased	16.422	15.970	0.452
100	A113_Unbiased	16.254	15.811	0.443
100	B27_Unbiased	17.037	19.381	-2.344
100	B29_Unbiased	15.310	15.886	-0.576
100	B30_Unbiased	16.027	16.732	-0.705
100	B31_Unbiased	16.314	16.040	0.274
100	B32_Unbiased	16.470	16.357	0.113
100	B33_Unbiased	16.069	16.073	-0.004
100	B34_Unbiased	16.260	16.275	-0.015
100	B35_Unbiased	16.091	16.234	-0.143
100	C32_Unbiased	15.979	15.967	0.012
100	C33_Unbiased	16.309	16.236	0.073
100	C34_Unbiased	16.160	16.149	0.011
100	C35_Unbiased	16.262	16.250	0.012
100	C36_Unbiased	16.686	16.339	0.347
100	C37_Unbiased	15.693	15.776	-0.083
100	C38_Unbiased	16.368	16.275	0.093
	Max	17.037	19.381	0.778
	Average	16.300	16.224	0.076
	Min	15.310	15.457	-2.344
	Std Dev	0.317	0.436	0.368

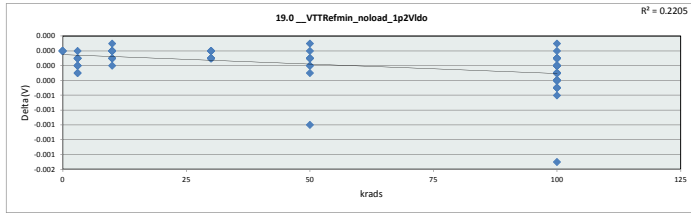


18.39_TTRef_LoadRegrc_2p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	15.953	15.732	15.883	15.555	16.034	15.457
Average	16.307	16.300	16.277	16.106	16.297	16.196
Max	16.553	16.805	16.495	16.405	16.640	19.381
UL	100.000	100.000	100.000	100.000	100.000	100.000

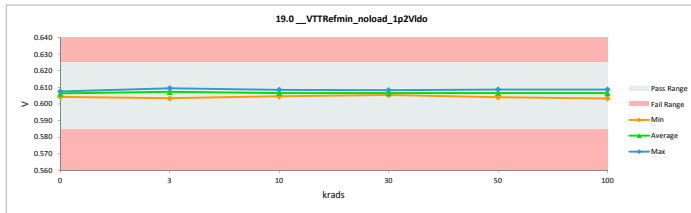


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19.0_VTTRefmin_noload_1p2V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.608	0.608	0.000
3	A79_Biased	0.609	0.609	0.000
3	A80_Biased	0.608	0.608	0.000
3	B1_Biased	0.608	0.608	0.000
3	B2_Biased	0.603	0.603	0.000
3	C1_Biased	0.606	0.607	0.000
3	A82_Unbiased	0.608	0.608	0.000
3	A83_Unbiased	0.609	0.609	0.000
3	B4_Unbiased	0.607	0.607	0.000
3	B5_Unbiased	0.606	0.606	0.000
3	C2_Unbiased	0.608	0.608	0.000
10	A85_Biased	0.604	0.604	0.000
10	A86_Biased	0.607	0.607	0.000
10	B6_Biased	0.608	0.608	0.000
10	C3_Biased	0.607	0.607	0.000
10	C4_Biased	0.608	0.608	0.000
10	A87_Unbiased	0.605	0.605	0.000
10	A88_Unbiased	0.608	0.609	0.000
10	B7_Unbiased	0.606	0.606	0.000
10	C5_Unbiased	0.608	0.608	0.000
10	C6_Unbiased	0.604	0.604	0.000
0	106_Corr	0.607	0.607	0.000
30	A89_Biased	0.606	0.606	0.000
30	B8_Biased	0.608	0.608	0.000
30	B9_Biased	0.606	0.606	0.000
30	C7_Biased	0.606	0.606	0.000
30	C9_Biased	0.606	0.606	0.000
30	A90_Unbiased	0.608	0.608	0.000
30	B10_Unbiased	0.605	0.605	0.000
30	B11_Unbiased	0.607	0.607	0.000
30	C11_Unbiased	0.607	0.607	0.000
30	C12_Unbiased	0.606	0.606	0.000
0	106_Corr	0.607	0.607	0.000
0	15B_Corr	0.604	0.604	0.000
50	A92_Biased	0.607	0.608	0.000
50	A93_Biased	0.607	0.607	0.000
50	B12_Biased	0.605	0.605	0.000
50	B13_Biased	0.605	0.605	0.000
50	C14_Biased	0.606	0.607	0.000
50	A95_Unbiased	0.604	0.604	0.000
50	A96_Unbiased	0.607	0.607	0.000
50	B15_Unbiased	0.608	0.608	0.000
50	B16_Unbiased	0.605	0.605	0.000
50	C15_Unbiased	0.608	0.609	-0.001
0	106_Corr	0.607	0.607	0.000
100	A97_Biased	0.606	0.606	0.000
100	A99_Biased	0.607	0.607	0.000
100	A100_Biased	0.603	0.604	-0.001
100	A101_Biased	0.607	0.607	0.000
100	A102_Biased	0.608	0.608	-0.001
100	A104_Biased	0.607	0.607	0.000
100	A105_Biased	0.605	0.605	0.000
100	B17_Biased	0.607	0.607	0.000
100	B18_Biased	0.603	0.603	0.000
100	B19_Biased	0.604	0.605	0.000
100	B20_Biased	0.607	0.607	0.000
100	B21_Biased	0.607	0.607	0.000
100	B24_Biased	0.604	0.605	0.000
100	B25_Biased	0.606	0.606	0.000
100	B26_Biased	0.603	0.603	0.000
100	C16_Biased	0.608	0.608	0.000
100	C17_Biased	0.607	0.607	0.000
100	C18_Biased	0.608	0.608	-0.001
100	C19_Biased	0.606	0.606	0.000
100	C25_Biased	0.606	0.607	0.000
100	C26_Biased	0.607	0.608	0.000
100	C31_Biased	0.608	0.609	0.000
100	A107_Unbiased	0.606	0.607	0.000
100	A108_Unbiased	0.607	0.607	0.000
100	A109_Unbiased	0.608	0.608	0.000
100	A110_Unbiased	0.608	0.608	0.000
100	A111_Unbiased	0.607	0.607	0.000
100	A112_Unbiased	0.608	0.608	0.000
100	A113_Unbiased	0.608	0.608	0.000
100	B27_Unbiased	0.604	0.606	-0.001
100	B29_Unbiased	0.607	0.607	0.000
100	B30_Unbiased	0.606	0.606	0.000
100	B31_Unbiased	0.607	0.607	0.000
100	B32_Unbiased	0.607	0.607	0.000
100	B33_Unbiased	0.605	0.605	0.000
100	B34_Unbiased	0.605	0.605	0.000
100	B35_Unbiased	0.605	0.605	0.000
100	C32_Unbiased	0.605	0.605	0.000
100	C33_Unbiased	0.606	0.607	0.000
100	C34_Unbiased	0.606	0.606	0.000
100	C35_Unbiased	0.605	0.605	0.000
100	C36_Unbiased	0.607	0.608	0.000
100	C37_Unbiased	0.605	0.605	0.000
100	C38_Unbiased	0.607	0.607	0.000
	Max	0.609	0.609	0.000
	Average	0.607	0.607	0.000
	Min	0.603	0.603	-0.001
	Std Dev	0.001	0.001	0.000

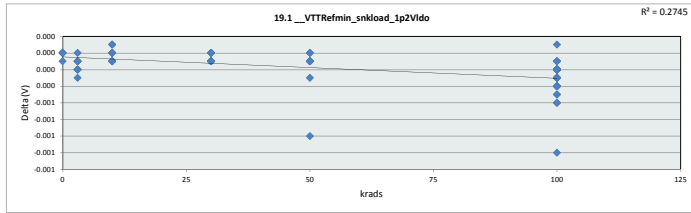


19.0_VTTRefmin_noload_1p2V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
Krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.604	0.603	0.605	0.605	0.604	0.603
Average	0.606	0.607	0.607	0.606	0.607	0.606
Max	0.608	0.610	0.609	0.608	0.609	0.609
UL	0.625	0.625	0.625	0.625	0.625	0.625

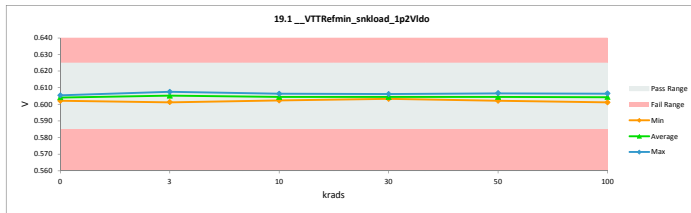


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19.1_VTTRefmin_snkload_1p2				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.605	0.605	0.000
3	A79_Biased	0.607	0.608	0.000
3	A80_Biased	0.606	0.606	0.000
3	B1_Biased	0.605	0.606	0.000
3	B2_Biased	0.601	0.601	0.000
3	C1_Biased	0.604	0.604	0.000
3	A82_Unbiased	0.606	0.606	0.000
3	A83_Unbiased	0.607	0.607	0.000
3	B4_Unbiased	0.604	0.605	0.000
3	B5_Unbiased	0.604	0.604	0.000
3	C2_Unbiased	0.606	0.606	0.000
10	A85_Biased	0.603	0.602	0.000
10	A86_Biased	0.604	0.604	0.000
10	B6_Biased	0.606	0.606	0.000
10	C3_Biased	0.605	0.605	0.000
10	C4_Biased	0.606	0.606	0.000
10	A87_Unbiased	0.603	0.603	0.000
10	A88_Unbiased	0.606	0.606	0.000
10	B7_Unbiased	0.604	0.604	0.000
10	C5_Unbiased	0.605	0.606	0.000
10	C6_Unbiased	0.603	0.603	0.000
0	106_Corr	0.604	0.604	0.000
30	A89_Biased	0.604	0.604	0.000
30	B8_Biased	0.606	0.606	0.000
30	B9_Biased	0.604	0.604	0.000
30	C7_Biased	0.604	0.604	0.000
30	C9_Biased	0.604	0.604	0.000
30	A90_Unbiased	0.606	0.606	0.000
30	B10_Unbiased	0.603	0.603	0.000
30	B11_Unbiased	0.605	0.605	0.000
30	C11_Unbiased	0.604	0.604	0.000
30	C12_Unbiased	0.604	0.604	0.000
0	106_Corr	0.604	0.604	0.000
0	15B_Corr	0.602	0.602	0.000
50	A92_Biased	0.605	0.605	0.000
50	A93_Biased	0.605	0.605	0.000
50	B12_Biased	0.603	0.603	0.000
50	B13_Biased	0.603	0.603	0.000
50	C14_Biased	0.604	0.604	0.000
50	A95_Unbiased	0.602	0.602	0.000
50	A96_Unbiased	0.604	0.605	0.000
50	B15_Unbiased	0.606	0.606	0.000
50	B16_Unbiased	0.603	0.604	0.000
50	C15_Unbiased	0.606	0.607	-0.001
0	106_Corr	0.604	0.604	0.000
100	A97_Biased	0.604	0.604	0.000
100	A99_Biased	0.605	0.605	0.000
100	A100_Biased	0.601	0.602	0.000
100	A101_Biased	0.605	0.605	0.000
100	A102_Biased	0.605	0.606	-0.001
100	A104_Biased	0.605	0.605	0.000
100	A105_Biased	0.603	0.603	0.000
100	B17_Biased	0.605	0.605	0.000
100	B18_Biased	0.601	0.601	0.000
100	B19_Biased	0.602	0.603	0.000
100	B20_Biased	0.605	0.605	0.000
100	B21_Biased	0.605	0.605	0.000
100	B24_Biased	0.602	0.603	0.000
100	B25_Biased	0.604	0.604	0.000
100	B26_Biased	0.601	0.601	0.000
100	C16_Biased	0.606	0.606	0.000
100	C17_Biased	0.605	0.605	0.000
100	C18_Biased	0.606	0.606	-0.001
100	C19_Biased	0.604	0.604	0.000
100	C25_Biased	0.604	0.605	-0.001
100	C26_Biased	0.605	0.605	0.000
100	C31_Biased	0.606	0.607	0.000
100	A107_Unbiased	0.604	0.604	0.000
100	A108_Unbiased	0.605	0.605	0.000
100	A109_Unbiased	0.606	0.606	0.000
100	A110_Unbiased	0.605	0.606	0.000
100	A111_Unbiased	0.605	0.605	0.000
100	A112_Unbiased	0.606	0.606	0.000
100	A113_Unbiased	0.605	0.606	0.000
100	B27_Unbiased	0.602	0.603	-0.001
100	B29_Unbiased	0.605	0.605	0.000
100	B30_Unbiased	0.604	0.604	0.000
100	B31_Unbiased	0.604	0.605	-0.001
100	B32_Unbiased	0.604	0.605	0.000
100	B33_Unbiased	0.603	0.603	0.000
100	B34_Unbiased	0.603	0.603	0.000
100	B35_Unbiased	0.603	0.603	0.000
100	C32_Unbiased	0.603	0.603	0.000
100	C33_Unbiased	0.604	0.605	0.000
100	C34_Unbiased	0.604	0.604	0.000
100	C35_Unbiased	0.603	0.603	0.000
100	C36_Unbiased	0.605	0.606	0.000
100	C37_Unbiased	0.603	0.603	0.000
100	C38_Unbiased	0.604	0.605	0.000
	Max	0.607	0.608	0.000
	Average	0.604	0.604	0.000
	Min	0.601	0.601	-0.001
	Std Dev	0.001	0.001	0.000

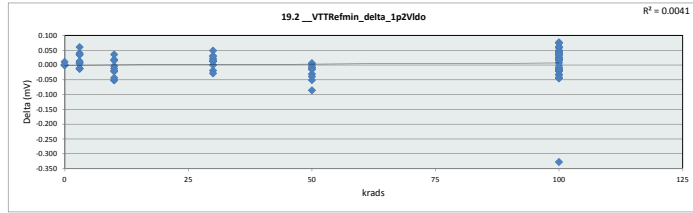


19.1_VTTRefmin_snkload_1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.602	0.601	0.602	0.603	0.602	0.601
Average	0.604	0.605	0.605	0.604	0.605	0.604
Max	0.606	0.608	0.606	0.606	0.607	0.607
UL	0.625	0.625	0.625	0.625	0.625	0.625

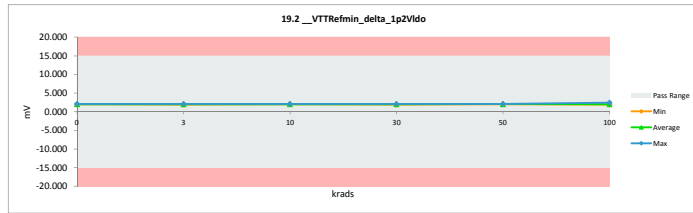


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19.2_VTTRefmin_delta_1p2VId				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.972	1.972	0.000
3	A79_Biased	2.089	2.053	0.036
3	A80_Biased	2.039	1.999	0.040
3	B1_Biased	2.059	2.050	0.009
3	B2_Biased	2.083	2.095	-0.012
3	C1_Biased	2.021	2.034	-0.013
3	A82_Unbiased	1.979	1.944	0.035
3	A83_Unbiased	2.073	2.012	0.061
3	B4_Unbiased	2.125	2.121	0.004
3	B5_Unbiased	2.077	2.064	0.013
3	C2_Unbiased	2.050	2.061	-0.011
10	A85_Biased	2.069	2.051	0.018
10	A86_Biased	2.018	2.037	-0.019
10	B6_Biased	2.087	2.090	-0.003
10	C3_Biased	2.020	2.072	-0.052
10	C4_Biased	1.987	2.038	-0.051
10	A87_Unbiased	2.005	2.017	-0.012
10	A88_Unbiased	2.101	2.086	0.015
10	B7_Unbiased	2.063	2.027	0.036
10	C5_Unbiased	1.976	2.019	-0.043
10	C6_Unbiased	1.986	2.008	-0.022
0	106_Corr	2.058	2.058	0.000
30	A89_Biased	1.997	1.948	0.049
30	B8_Biased	2.120	2.108	0.012
30	B9_Biased	2.082	2.052	0.030
30	C7_Biased	2.018	2.036	-0.018
30	C9_Biased	2.017	2.017	0.000
30	A90_Unbiased	1.974	1.958	0.016
30	B10_Unbiased	2.049	2.027	0.022
30	B11_Unbiased	2.064	2.034	0.030
30	C11_Unbiased	2.011	2.039	-0.028
30	C12_Unbiased	2.042	2.029	0.013
0	106_Corr	2.080	2.080	0.000
0	15B_Corr	2.033	2.033	0.000
50	A92_Biased	2.010	2.019	-0.009
50	A93_Biased	2.019	2.059	-0.009
50	B12_Biased	2.012	2.022	-0.010
50	B13_Biased	2.020	2.105	-0.085
50	C14_Biased	2.008	2.059	-0.051
50	A95_Unbiased	2.019	2.019	-0.001
50	A96_Unbiased	2.061	2.091	-0.030
50	B15_Unbiased	2.041	2.034	0.007
50	B16_Unbiased	2.041	2.056	-0.015
50	C15_Unbiased	2.013	2.052	-0.039
0	106_Corr	2.058	2.047	0.011
100	A97_Biased	2.005	1.972	0.033
100	A99_Biased	2.015	2.007	0.008
100	A100_Biased	2.016	2.031	-0.015
100	A101_Biased	2.098	2.057	0.041
100	A102_Biased	2.094	2.046	0.048
100	A104_Biased	2.030	1.968	0.062
100	A105_Biased	1.986	2.005	-0.019
100	B17_Biased	2.118	2.041	0.077
100	B18_Biased	2.084	2.045	0.039
100	B19_Biased	2.081	2.066	0.015
100	B20_Biased	2.039	2.022	0.017
100	B21_Biased	2.057	2.030	0.027
100	B24_Biased	2.060	2.039	0.021
100	B25_Biased	2.075	2.037	0.038
100	B26_Biased	2.018	1.998	0.020
100	C16_Biased	2.031	2.007	0.024
100	C17_Biased	2.026	1.988	0.038
100	C18_Biased	2.027	2.007	0.020
100	C19_Biased	2.056	2.074	-0.018
100	C25_Biased	1.967	1.987	-0.020
100	C26_Biased	2.069	2.050	0.019
100	C31_Biased	2.100	2.131	-0.031
100	A107_Unbiased	2.069	2.048	0.021
100	A108_Unbiased	2.066	2.017	0.049
100	A109_Unbiased	2.000	1.954	0.046
100	A110_Unbiased	2.045	2.007	0.038
100	A111_Unbiased	2.054	2.023	0.041
100	A112_Unbiased	2.023	2.036	-0.013
100	A113_Unbiased	2.032	1.974	0.058
100	B27_Unbiased	2.118	2.446	-0.328
100	B29_Unbiased	1.937	1.979	-0.042
100	B30_Unbiased	2.033	2.059	0.074
100	B31_Unbiased	2.044	1.984	0.060
100	B32_Unbiased	2.076	2.035	0.041
100	B33_Unbiased	2.020	2.054	-0.034
100	B34_Unbiased	2.025	2.046	0.017
100	B35_Unbiased	2.029	2.040	-0.011
100	C32_Unbiased	2.018	2.037	-0.019
100	C33_Unbiased	2.035	2.046	-0.011
100	C34_Unbiased	2.037	2.047	-0.010
100	C35_Unbiased	2.052	2.052	-0.012
100	C36_Unbiased	2.053	2.055	-0.002
100	C37_Unbiased	1.957	2.002	-0.045
100	C38_Unbiased	2.061	2.026	0.035
	Max	2.133	2.446	0.077
	Average	2.042	2.038	0.004
	Min	1.937	1.944	-0.328
	Std Dev	0.040	0.057	0.048

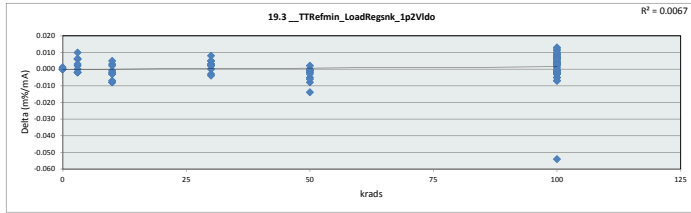


19.2_VTTRefmin_delta_1p2V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.972	1.944	2.008	1.948	2.019	1.954
Average	2.038	2.043	2.045	2.025	2.052	2.036
Max	2.080	2.121	2.090	2.108	2.105	2.446
UL	15.000	15.000	15.000	15.000	15.000	15.000

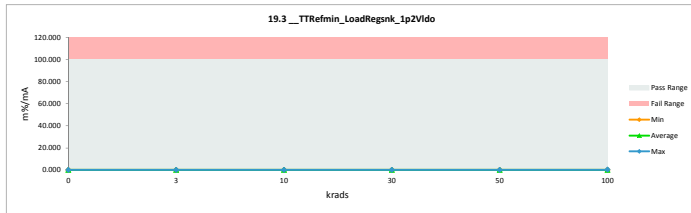


TID 100krad LDR Report
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19.3 TTRefinm_LoadReqsnk_1				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.325	0.325	0.000
3	A79_Biased	0.343	0.337	0.006
3	A80_Biased	0.335	0.329	0.006
3	B1_Biased	0.339	0.337	0.002
3	B2_Biased	0.345	0.347	-0.002
3	C1_Biased	0.333	0.335	-0.002
3	A82_Unbiased	0.326	0.320	0.006
3	A83_Unbiased	0.341	0.331	0.010
3	B4_Unbiased	0.350	0.350	0.000
3	B5_Unbiased	0.343	0.340	0.003
3	C2_Unbiased	0.337	0.339	-0.002
10	A85_Biased	0.342	0.339	0.003
10	A86_Biased	0.333	0.336	-0.003
10	B6_Biased	0.343	0.344	-0.001
10	C3_Biased	0.333	0.341	-0.008
10	C4_Biased	0.327	0.335	-0.008
10	A87_Unbiased	0.331	0.333	-0.002
10	A88_Unbiased	0.345	0.343	0.002
10	B7_Unbiased	0.340	0.335	0.005
10	C5_Unbiased	0.325	0.332	-0.007
10	C6_Unbiased	0.329	0.332	-0.003
0	106_Corr	0.339	0.339	0.000
30	A89_Biased	0.330	0.322	0.008
30	B8_Biased	0.349	0.347	0.002
30	B9_Biased	0.344	0.339	0.005
30	C7_Biased	0.333	0.336	-0.003
30	C9_Biased	0.333	0.333	0.000
30	A90_Unbiased	0.325	0.322	0.003
30	B10_Unbiased	0.338	0.335	0.003
30	B11_Unbiased	0.340	0.335	0.005
30	C11_Unbiased	0.332	0.336	-0.004
30	C12_Unbiased	0.337	0.335	0.002
0	106_Corr	0.343	0.343	0.000
0	15B_Corr	0.336	0.336	0.000
50	A92_Biased	0.331	0.332	-0.001
50	A93_Biased	0.338	0.339	-0.001
50	B12_Biased	0.332	0.334	-0.002
50	B13_Biased	0.334	0.348	-0.014
50	C14_Biased	0.331	0.339	-0.008
50	A95_Unbiased	0.334	0.334	0.000
50	A96_Unbiased	0.340	0.345	-0.005
50	B15_Unbiased	0.336	0.334	0.002
50	B16_Unbiased	0.337	0.340	-0.003
50	C15_Unbiased	0.331	0.337	-0.006
0	106_Corr	0.339	0.339	0.000
100	A97_Biased	0.331	0.325	0.006
100	A99_Biased	0.332	0.331	0.001
100	A100_Biased	0.334	0.336	-0.002
100	A101_Biased	0.346	0.339	0.007
100	A102_Biased	0.345	0.336	0.009
100	A104_Biased	0.335	0.324	0.011
100	A105_Biased	0.328	0.331	-0.003
100	B17_Biased	0.349	0.336	0.013
100	B18_Biased	0.346	0.339	0.007
100	B19_Biased	0.344	0.342	0.002
100	B20_Biased	0.336	0.333	0.003
100	B21_Biased	0.339	0.334	0.005
100	B24_Biased	0.341	0.337	0.004
100	B25_Biased	0.343	0.336	0.007
100	B26_Biased	0.335	0.331	0.004
100	C16_Biased	0.334	0.330	0.004
100	C17_Biased	0.334	0.328	0.006
100	C18_Biased	0.334	0.330	0.004
100	C19_Biased	0.339	0.342	-0.003
100	C25_Biased	0.325	0.328	-0.003
100	C26_Biased	0.341	0.337	0.004
100	C31_Biased	0.345	0.350	-0.005
100	A107_Unbiased	0.341	0.338	0.003
100	A108_Unbiased	0.341	0.332	0.009
100	A109_Unbiased	0.329	0.321	0.008
100	A110_Unbiased	0.337	0.330	0.007
100	A111_Unbiased	0.340	0.333	0.007
100	A112_Unbiased	0.333	0.335	-0.002
100	A113_Unbiased	0.334	0.325	0.009
100	B27_Unbiased	0.350	0.404	-0.054
100	B29_Unbiased	0.319	0.326	-0.007
100	B30_Unbiased	0.352	0.340	0.012
100	B31_Unbiased	0.337	0.327	0.010
100	B32_Unbiased	0.342	0.335	0.007
100	B33_Unbiased	0.334	0.339	-0.005
100	B34_Unbiased	0.341	0.338	0.003
100	B35_Unbiased	0.336	0.337	-0.001
100	C32_Unbiased	0.333	0.336	-0.003
100	C33_Unbiased	0.336	0.337	-0.001
100	C34_Unbiased	0.336	0.338	-0.002
100	C35_Unbiased	0.339	0.341	-0.002
100	C36_Unbiased	0.338	0.338	0.000
100	C37_Unbiased	0.324	0.331	-0.007
100	C38_Unbiased	0.340	0.334	0.006
	Max	0.352	0.404	0.054
	Average	0.337	0.336	0.001
	Min	0.319	0.320	-0.054
	Std Dev	0.007	0.010	0.008

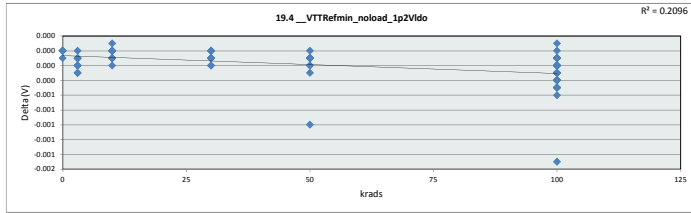


19.3 TTRefinm_LoadReqsnk						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.325	0.320	0.332	0.322	0.332	0.321
Average	0.336	0.337	0.337	0.334	0.338	0.336
Max	0.343	0.350	0.344	0.347	0.348	0.404
UL	100.000	100.000	100.000	100.000	100.000	100.000

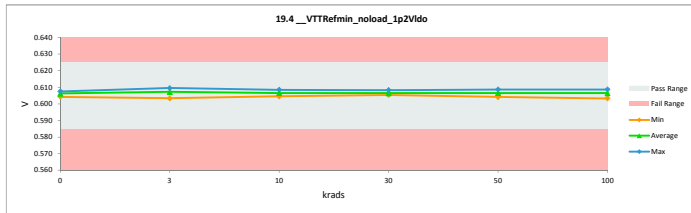


TID 100krad LDR Report
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19.4_VTTRefmin_noload_1p2V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.608	0.608	0.000
3	A79_Biased	0.609	0.609	0.000
3	A80_Biased	0.608	0.608	0.000
3	B1_Biased	0.608	0.608	0.000
3	B2_Biased	0.603	0.603	0.000
3	C1_Biased	0.606	0.607	0.000
3	A82_Unbiased	0.608	0.608	0.000
3	A83_Unbiased	0.609	0.609	0.000
3	B4_Unbiased	0.607	0.607	0.000
3	B5_Unbiased	0.606	0.606	0.000
3	C2_Unbiased	0.608	0.608	0.000
10	A85_Biased	0.604	0.604	0.000
10	A86_Biased	0.607	0.607	0.000
10	B6_Biased	0.608	0.608	0.000
10	C3_Biased	0.607	0.607	0.000
10	C4_Biased	0.608	0.608	0.000
10	A87_Unbiased	0.605	0.605	0.000
10	A88_Unbiased	0.608	0.609	0.000
10	B7_Unbiased	0.606	0.606	0.000
10	C5_Unbiased	0.608	0.608	0.000
10	C6_Unbiased	0.604	0.604	0.000
0	106_Corr	0.607	0.607	0.000
30	A89_Biased	0.606	0.606	0.000
30	B8_Biased	0.608	0.608	0.000
30	B9_Biased	0.606	0.606	0.000
30	C7_Biased	0.606	0.606	0.000
30	C9_Biased	0.606	0.606	0.000
30	A90_Unbiased	0.608	0.608	0.000
30	B10_Unbiased	0.605	0.605	0.000
30	B11_Unbiased	0.607	0.607	0.000
30	C11_Unbiased	0.607	0.607	0.000
30	C12_Unbiased	0.606	0.606	0.000
0	106_Corr	0.607	0.607	0.000
0	15B_Corr	0.604	0.604	0.000
50	A92_Biased	0.607	0.608	0.000
50	A93_Biased	0.607	0.607	0.000
50	B12_Biased	0.605	0.605	0.000
50	B13_Biased	0.605	0.605	0.000
50	C14_Biased	0.606	0.607	0.000
50	A95_Unbiased	0.604	0.604	0.000
50	A96_Unbiased	0.607	0.607	0.000
50	B15_Unbiased	0.608	0.608	0.000
50	B16_Unbiased	0.605	0.605	0.000
50	C15_Unbiased	0.608	0.609	-0.001
0	106_Corr	0.607	0.607	0.000
100	A97_Biased	0.606	0.606	0.000
100	A99_Biased	0.607	0.607	0.000
100	A100_Biased	0.603	0.604	-0.001
100	A101_Biased	0.607	0.607	0.000
100	A102_Biased	0.608	0.608	-0.001
100	A104_Biased	0.607	0.607	0.000
100	A105_Biased	0.605	0.605	0.000
100	B17_Biased	0.607	0.607	0.000
100	B18_Biased	0.603	0.603	0.000
100	B19_Biased	0.604	0.605	0.000
100	B20_Biased	0.607	0.607	0.000
100	B21_Biased	0.607	0.607	0.000
100	B24_Biased	0.604	0.605	0.000
100	B25_Biased	0.606	0.606	0.000
100	B26_Biased	0.603	0.603	0.000
100	C16_Biased	0.608	0.608	0.000
100	C17_Biased	0.607	0.607	0.000
100	C18_Biased	0.608	0.608	-0.001
100	C19_Biased	0.606	0.606	0.000
100	C25_Biased	0.606	0.607	0.000
100	C26_Biased	0.607	0.608	0.000
100	C31_Biased	0.608	0.609	0.000
100	A107_Unbiased	0.606	0.607	0.000
100	A108_Unbiased	0.607	0.607	0.000
100	A109_Unbiased	0.608	0.608	0.000
100	A110_Unbiased	0.608	0.608	0.000
100	A111_Unbiased	0.607	0.607	0.000
100	A112_Unbiased	0.608	0.608	0.000
100	A113_Unbiased	0.608	0.608	0.000
100	B27_Unbiased	0.604	0.606	-0.001
100	B29_Unbiased	0.607	0.607	0.000
100	B30_Unbiased	0.606	0.606	0.000
100	B31_Unbiased	0.606	0.607	0.000
100	B32_Unbiased	0.607	0.607	0.000
100	B33_Unbiased	0.605	0.605	0.000
100	B34_Unbiased	0.605	0.606	0.000
100	B35_Unbiased	0.605	0.605	0.000
100	C32_Unbiased	0.605	0.605	0.000
100	C33_Unbiased	0.606	0.607	0.000
100	C34_Unbiased	0.606	0.606	0.000
100	C35_Unbiased	0.605	0.605	0.000
100	C36_Unbiased	0.607	0.608	0.000
100	C37_Unbiased	0.605	0.605	0.000
100	C38_Unbiased	0.607	0.607	0.000
	Max	0.609	0.609	0.000
	Average	0.607	0.607	0.000
	Min	0.603	0.603	-0.001
	Std Dev	0.001	0.001	0.000

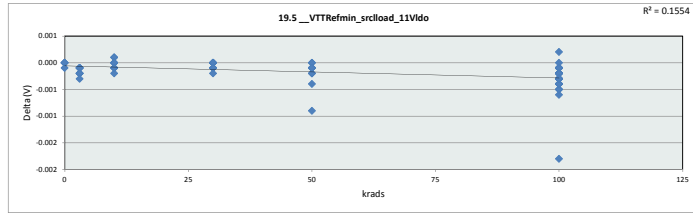


19.4_VTTRefmin_noload_1p2V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
Krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.604	0.603	0.605	0.605	0.604	0.603
Average	0.606	0.607	0.607	0.606	0.607	0.606
Max	0.608	0.610	0.609	0.608	0.609	0.609
UL	0.625	0.625	0.625	0.625	0.625	0.625

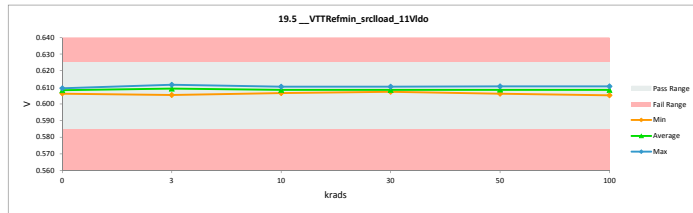


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19.5_VTTRefmin_srcload_11V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.625	0.625		
Min Limit	0.585	0.585		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.609	0.609	0.000
3	A79_Biased	0.611	0.612	0.000
3	A80_Biased	0.610	0.610	0.000
3	B1_Biased	0.610	0.610	0.000
3	B2_Biased	0.605	0.605	0.000
3	C1_Biased	0.608	0.609	0.000
3	A82_Unbiased	0.610	0.610	0.000
3	A83_Unbiased	0.610	0.611	0.000
3	B4_Unbiased	0.609	0.609	0.000
3	B5_Unbiased	0.608	0.609	0.000
3	C2_Unbiased	0.610	0.610	0.000
10	A85_Biased	0.607	0.607	0.000
10	A86_Biased	0.609	0.609	0.000
10	B6_Biased	0.610	0.610	0.000
10	C3_Biased	0.609	0.609	0.000
10	C4_Biased	0.610	0.610	0.000
10	A87_Unbiased	0.607	0.607	0.000
10	A88_Unbiased	0.610	0.610	0.000
10	B7_Unbiased	0.608	0.608	0.000
10	C5_Unbiased	0.610	0.610	0.000
10	C6_Unbiased	0.606	0.607	0.000
0	106_Corr	0.609	0.609	0.000
30	A89_Biased	0.608	0.608	0.000
30	B8_Biased	0.610	0.610	0.000
30	B9_Biased	0.608	0.608	0.000
30	C7_Biased	0.608	0.608	0.000
30	C9_Biased	0.608	0.608	0.000
30	A90_Unbiased	0.610	0.610	0.000
30	B10_Unbiased	0.607	0.607	0.000
30	B11_Unbiased	0.609	0.609	0.000
30	C11_Unbiased	0.609	0.609	0.000
30	C12_Unbiased	0.608	0.608	0.000
0	106_Corr	0.609	0.609	0.000
0	15B_Corr	0.606	0.606	0.000
50	A92_Biased	0.609	0.609	0.000
50	A93_Biased	0.609	0.609	0.000
50	B12_Biased	0.607	0.607	0.000
50	B13_Biased	0.607	0.608	0.000
50	C14_Biased	0.608	0.609	0.000
50	A95_Unbiased	0.606	0.606	0.000
50	A96_Unbiased	0.609	0.609	0.000
50	B15_Unbiased	0.610	0.610	0.000
50	B16_Unbiased	0.608	0.608	0.000
50	C15_Unbiased	0.610	0.611	-0.001
0	106_Corr	0.609	0.609	0.000
100	A97_Biased	0.608	0.608	0.000
100	A99_Biased	0.609	0.609	0.000
100	A100_Biased	0.605	0.606	0.000
100	A101_Biased	0.609	0.609	0.000
100	A102_Biased	0.610	0.610	0.000
100	A104_Biased	0.609	0.609	0.000
100	A105_Biased	0.607	0.607	0.000
100	B17_Biased	0.609	0.609	0.000
100	B18_Biased	0.605	0.605	0.000
100	B19_Biased	0.607	0.607	0.000
100	B20_Biased	0.609	0.609	0.000
100	B21_Biased	0.609	0.609	0.000
100	B24_Biased	0.607	0.607	0.000
100	B25_Biased	0.608	0.608	0.000
100	B26_Biased	0.605	0.605	0.000
100	C16_Biased	0.610	0.610	0.000
100	C17_Biased	0.609	0.609	0.000
100	C18_Biased	0.610	0.610	-0.001
100	C19_Biased	0.608	0.608	0.000
100	C25_Biased	0.608	0.609	-0.001
100	C26_Biased	0.609	0.610	0.000
100	C31_Biased	0.610	0.611	0.000
100	A107_Unbiased	0.608	0.609	0.000
100	A108_Unbiased	0.609	0.609	0.000
100	A109_Unbiased	0.610	0.610	0.000
100	A110_Unbiased	0.610	0.610	0.000
100	A111_Unbiased	0.609	0.609	0.000
100	A112_Unbiased	0.610	0.610	0.000
100	A113_Unbiased	0.610	0.610	0.000
100	B27_Unbiased	0.607	0.608	-0.002
100	B29_Unbiased	0.609	0.609	-0.001
100	B30_Unbiased	0.608	0.608	0.000
100	B31_Unbiased	0.609	0.609	0.000
100	B32_Unbiased	0.609	0.609	0.000
100	B33_Unbiased	0.607	0.607	0.000
100	B34_Unbiased	0.608	0.608	0.000
100	B35_Unbiased	0.607	0.607	0.000
100	C32_Unbiased	0.607	0.607	0.000
100	C33_Unbiased	0.609	0.609	0.000
100	C34_Unbiased	0.608	0.609	0.000
100	C35_Unbiased	0.607	0.607	0.000
100	C36_Unbiased	0.609	0.610	0.000
100	C37_Unbiased	0.607	0.607	0.000
100	C38_Unbiased	0.609	0.609	0.000
	Max	0.611	0.612	0.000
	Average	0.608	0.609	0.000
	Min	0.605	0.605	-0.002
	Std Dev	0.001	0.001	0.000

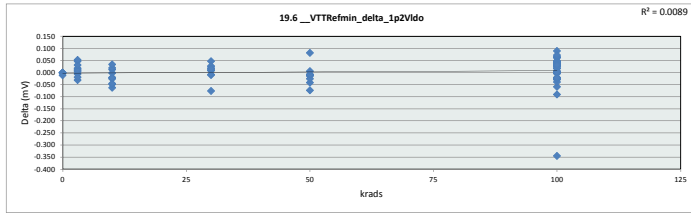


19.5_VTTRefmin_srcload_11V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.625	V				
Min Limit	0.585	V				
krads	0	3	10	30	50	100
LL	0.585	0.585	0.585	0.585	0.585	0.585
Min	0.606	0.606	0.607	0.607	0.606	0.605
Average	0.608	0.609	0.609	0.609	0.609	0.608
Max	0.610	0.612	0.611	0.610	0.611	0.611
UL	0.625	0.625	0.625	0.625	0.625	0.625

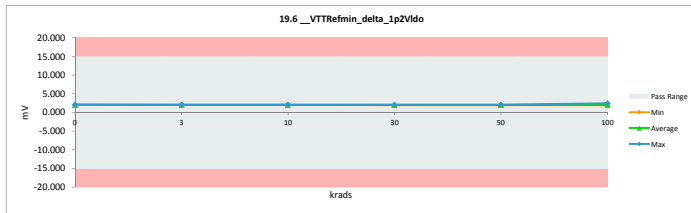


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19.6_VTTRefmin_delta_1p2VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.030	2.030	0.000
3	A79_Biased	2.015	2.021	-0.006
3	A80_Biased	2.087	2.073	0.014
3	B1_Biased	2.109	2.091	0.018
3	B2_Biased	2.077	2.108	-0.031
3	C1_Biased	2.079	2.075	0.004
3	A82_Unbiased	2.044	1.997	0.047
3	A83_Unbiased	2.007	1.998	0.009
3	B4_Unbiased	2.181	2.149	0.032
3	B5_Unbiased	2.125	2.072	0.053
3	C2_Unbiased	2.101	2.120	-0.019
10	A85_Biased	2.061	2.048	0.013
10	A86_Biased	2.068	2.093	-0.025
10	B6_Biased	2.022	2.042	-0.020
10	C3_Biased	2.068	2.130	-0.062
10	C4_Biased	2.083	2.131	-0.048
10	A87_Unbiased	1.996	1.998	-0.002
10	A88_Unbiased	2.047	2.028	0.019
10	B7_Unbiased	2.107	2.073	0.034
10	C5_Unbiased	2.029	2.074	-0.045
10	C6_Unbiased	1.985	2.006	-0.021
0	106_Corr	2.110	2.110	0.000
30	A89_Biased	1.980	1.964	0.016
30	B8_Biased	2.064	2.055	0.009
30	B9_Biased	2.065	2.042	0.023
30	C7_Biased	2.015	2.091	-0.076
30	C9_Biased	2.013	2.023	-0.010
30	A90_Unbiased	2.045	2.036	0.009
30	B10_Unbiased	2.063	2.015	0.048
30	B11_Unbiased	2.105	2.078	0.027
30	C11_Unbiased	2.078	2.086	-0.008
30	C12_Unbiased	2.100	2.084	0.016
0	106_Corr	2.129	2.129	0.000
0	15B_Corr	2.046	2.046	0.000
50	A92_Biased	2.048	2.060	-0.012
50	A93_Biased	2.094	2.108	-0.014
50	B12_Biased	2.023	2.030	-0.007
50	B13_Biased	2.030	2.103	-0.073
50	C14_Biased	2.066	2.107	-0.041
50	A95_Unbiased	2.026	2.036	-0.010
50	A96_Unbiased	2.113	2.138	-0.025
50	B15_Unbiased	1.976	1.984	-0.008
50	B16_Unbiased	2.053	2.047	0.006
50	C15_Unbiased	2.077	1.995	0.082
0	106_Corr	2.110	2.110	-0.011
100	A97_Biased	1.998	1.936	0.062
100	A99_Biased	2.074	2.034	0.040
100	A100_Biased	2.020	2.003	0.017
100	A101_Biased	2.152	2.047	0.105
100	A102_Biased	2.159	2.069	0.090
100	A104_Biased	2.090	2.046	0.044
100	A105_Biased	2.011	1.965	0.046
100	B17_Biased	2.173	2.111	0.062
100	B18_Biased	2.092	2.096	-0.004
100	B19_Biased	2.080	2.039	0.041
100	B20_Biased	2.094	2.063	0.031
100	B21_Biased	2.111	2.077	0.034
100	B24_Biased	2.077	2.028	0.049
100	B25_Biased	2.070	2.027	0.043
100	B26_Biased	2.028	2.056	-0.028
100	C16_Biased	2.095	2.058	0.037
100	C17_Biased	2.078	2.076	0.002
100	C18_Biased	2.068	2.036	0.032
100	C19_Biased	2.041	2.099	-0.058
100	C25_Biased	2.015	2.054	-0.039
100	C26_Biased	2.125	2.125	0.000
100	C31_Biased	2.034	2.059	-0.025
100	A107_Unbiased	2.129	2.123	0.006
100	A108_Unbiased	2.112	2.046	0.066
100	A109_Unbiased	2.058	2.055	0.003
100	A110_Unbiased	2.092	2.087	0.005
100	A111_Unbiased	2.121	2.091	0.030
100	A112_Unbiased	2.082	2.009	0.073
100	A113_Unbiased	2.069	2.043	0.026
100	B27_Unbiased	2.136	2.480	-0.344
100	B29_Unbiased	1.968	2.058	-0.090
100	B30_Unbiased	2.098	2.072	0.026
100	B31_Unbiased	2.104	2.067	0.037
100	B32_Unbiased	2.133	2.109	0.024
100	B33_Unbiased	2.044	2.043	0.001
100	B34_Unbiased	2.050	2.047	0.003
100	B35_Unbiased	2.035	2.006	0.029
100	C32_Unbiased	2.016	2.013	0.003
100	C33_Unbiased	2.084	2.112	-0.028
100	C34_Unbiased	2.078	2.100	-0.022
100	C35_Unbiased	2.046	2.048	-0.002
100	C36_Unbiased	2.112	2.132	-0.020
100	C37_Unbiased	1.983	1.951	0.032
100	C38_Unbiased	2.108	2.105	0.003
	Max	2.181	2.480	0.090
	Average	2.069	2.065	0.004
	Min	1.968	1.936	-0.344
	Std Dev	0.046	0.064	0.051

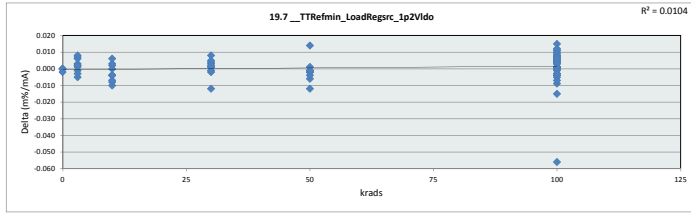


19.6_VTTRefmin_delta_1p2V						
Test Site	Dallas, TX					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	2.030	1.997	1.998	1.964	1.984	1.936
Average	2.087	2.070	2.062	2.047	2.061	2.067
Max	2.129	2.149	2.131	2.091	2.138	2.480
UL	15.000	15.000	15.000	15.000	15.000	15.000

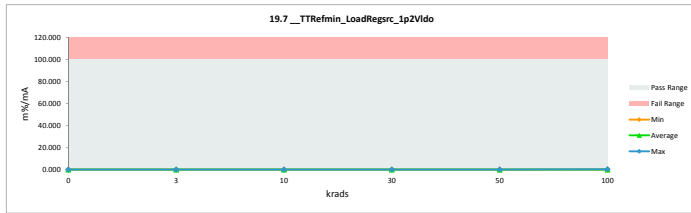


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19.7 TTRefmin_LoadRegrsc_1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.334	0.334	0.000
3	A79_Biased	0.331	0.332	-0.001
3	A80_Biased	0.343	0.341	0.002
3	B1_Biased	0.347	0.344	0.003
3	B2_Biased	0.344	0.349	-0.005
3	C1_Biased	0.343	0.342	0.001
3	A82_Unbiased	0.336	0.329	0.007
3	A83_Unbiased	0.330	0.328	0.002
3	B4_Unbiased	0.360	0.354	0.006
3	B5_Unbiased	0.350	0.342	0.008
3	C2_Unbiased	0.346	0.349	-0.003
10	A85_Biased	0.341	0.339	0.002
10	A86_Biased	0.341	0.345	-0.004
10	B6_Biased	0.332	0.336	-0.004
10	C3_Biased	0.341	0.351	-0.010
10	C4_Biased	0.343	0.351	-0.008
10	A87_Unbiased	0.330	0.330	0.000
10	A88_Unbiased	0.336	0.333	0.003
10	B7_Unbiased	0.348	0.342	0.006
10	C5_Unbiased	0.334	0.341	-0.007
10	C6_Unbiased	0.328	0.322	-0.004
0	106_Corr	0.348	0.348	0.000
30	A89_Biased	0.327	0.324	0.003
30	B8_Biased	0.339	0.338	0.001
30	B9_Biased	0.341	0.337	0.004
30	C7_Biased	0.333	0.345	-0.012
30	C9_Biased	0.332	0.334	-0.002
30	A90_Unbiased	0.336	0.335	0.001
30	B10_Unbiased	0.341	0.333	0.008
30	B11_Unbiased	0.347	0.342	0.005
30	C11_Unbiased	0.343	-0.001	
30	C12_Unbiased	0.346	0.344	0.002
0	106_Corr	0.351	0.351	0.000
0	15B_Corr	0.339	0.339	0.000
50	A92_Biased	0.337	0.339	-0.002
50	A93_Biased	0.345	0.347	-0.002
50	B12_Biased	0.334	0.335	-0.001
50	B13_Biased	0.335	0.347	-0.012
50	C14_Biased	0.341	0.347	-0.006
50	A95_Unbiased	0.335	0.337	-0.002
50	A96_Unbiased	0.348	0.352	-0.004
50	B15_Unbiased	0.325	0.326	-0.001
50	B16_Unbiased	0.339	0.338	0.001
50	C15_Unbiased	0.342	0.328	0.014
0	106_Corr	0.348	0.350	-0.002
100	A97_Biased	0.330	0.319	0.011
100	A99_Biased	0.342	0.335	0.007
100	A100_Biased	0.335	0.332	0.003
100	A101_Biased	0.355	0.347	0.008
100	A102_Biased	0.355	0.340	0.015
100	A104_Biased	0.345	0.337	0.008
100	A105_Biased	0.332	0.325	0.007
100	B17_Biased	0.358	0.348	0.010
100	B18_Biased	0.347	0.348	-0.001
100	B19_Biased	0.344	0.337	0.007
100	B20_Biased	0.345	0.340	0.005
100	B21_Biased	0.348	0.342	0.006
100	B24_Biased	0.344	0.335	0.009
100	B25_Biased	0.342	0.335	0.007
100	B26_Biased	0.336	0.341	-0.005
100	C16_Biased	0.345	0.339	0.006
100	C17_Biased	0.342	0.342	0.000
100	C18_Biased	0.340	0.335	0.005
100	C19_Biased	0.337	0.346	-0.009
100	C25_Biased	0.332	0.339	-0.007
100	C26_Biased	0.350	0.350	0.000
100	C31_Biased	0.334	0.338	-0.004
100	A107_Unbiased	0.351	0.350	0.001
100	A108_Unbiased	0.348	0.337	0.011
100	A109_Unbiased	0.339	0.338	0.001
100	A110_Unbiased	0.344	0.344	0.000
100	A111_Unbiased	0.350	0.345	0.005
100	A112_Unbiased	0.342	0.330	0.012
100	A113_Unbiased	0.341	0.336	0.005
100	B27_Unbiased	0.353	0.409	-0.056
100	B29_Unbiased	0.324	0.339	-0.015
100	B30_Unbiased	0.349	0.342	0.007
100	B31_Unbiased	0.347	0.341	0.006
100	B32_Unbiased	0.352	0.348	0.004
100	B33_Unbiased	0.338	0.338	0.000
100	B34_Unbiased	0.339	0.338	0.001
100	B35_Unbiased	0.336	0.332	0.004
100	C32_Unbiased	0.333	0.332	0.001
100	C33_Unbiased	0.344	0.348	-0.004
100	C34_Unbiased	0.343	0.346	-0.003
100	C35_Unbiased	0.341	0.338	0.003
100	C36_Unbiased	0.348	0.351	-0.003
100	C37_Unbiased	0.328	0.322	0.006
100	C38_Unbiased	0.348	0.347	0.001
	Max	0.360	0.409	0.015
	Average	0.341	0.341	0.001
	Min	0.324	0.319	-0.056
	Std Dev	0.008	0.010	0.008

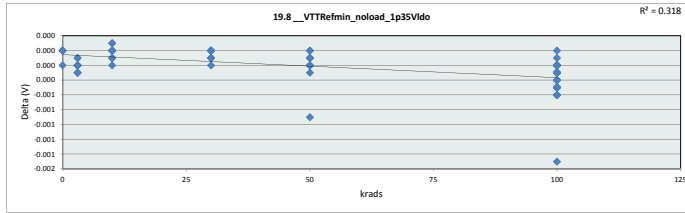


19.7 TTRefmin_LoadRegrsc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	1	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.334	0.328	0.330	0.324	0.326	0.319
Average	0.344	0.341	0.340	0.338	0.340	0.341
Max	0.351	0.354	0.351	0.345	0.352	0.409
UL	100.000	100.000	100.000	100.000	100.000	100.000

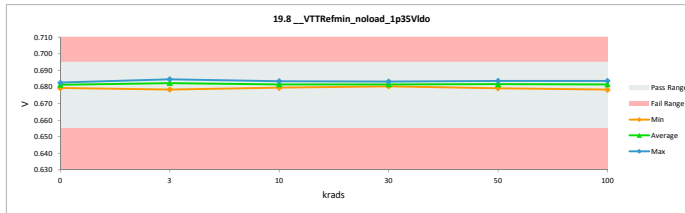


TID 100krad LDR Report
TPS7H3301-SP

19.8_VTTRefmin_noload_1p35				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit				
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.683	0.683	0.000
3	A79_Biased	0.684	0.685	0.000
3	A80_Biased	0.683	0.683	0.000
3	B1_Biased	0.683	0.683	0.000
3	B2_Biased	0.678	0.678	0.000
3	C1_Biased	0.681	0.682	0.000
3	A82_Unbiased	0.683	0.683	0.000
3	A83_Unbiased	0.683	0.684	0.000
3	B4_Unbiased	0.682	0.682	0.000
3	B5_Unbiased	0.681	0.682	0.000
3	C2_Unbiased	0.683	0.683	0.000
10	A85_Biased	0.680	0.679	0.000
10	A86_Biased	0.680	0.682	0.000
10	B6_Biased	0.683	0.683	0.000
10	C3_Biased	0.682	0.682	0.000
10	C4_Biased	0.683	0.683	0.000
10	A87_Unbiased	0.680	0.680	0.000
10	A88_Unbiased	0.683	0.683	0.000
10	B7_Unbiased	0.681	0.681	0.000
10	C5_Unbiased	0.683	0.683	0.000
10	C6_Unbiased	0.679	0.680	0.000
0	106_Corr	0.682	0.682	0.000
30	A89_Biased	0.681	0.681	0.000
30	B8_Biased	0.683	0.683	0.000
30	B9_Biased	0.681	0.681	0.000
30	C7_Biased	0.681	0.681	0.000
30	C9_Biased	0.681	0.681	0.000
30	A90_Unbiased	0.683	0.683	0.000
30	B10_Unbiased	0.680	0.680	0.000
30	B11_Unbiased	0.682	0.682	0.000
30	C11_Unbiased	0.682	0.682	0.000
30	C12_Unbiased	0.681	0.681	0.000
0	106_Corr	0.682	0.682	0.000
0	15B_Corr	0.679	0.679	0.000
50	A92_Biased	0.683	0.683	0.000
50	A93_Biased	0.682	0.682	0.000
50	B12_Biased	0.680	0.680	0.000
50	B13_Biased	0.680	0.681	0.000
50	C14_Biased	0.681	0.682	0.000
50	A95_Unbiased	0.679	0.679	0.000
50	A96_Unbiased	0.682	0.682	0.000
50	B15_Unbiased	0.683	0.683	0.000
50	B16_Unbiased	0.680	0.681	0.000
50	C15_Unbiased	0.683	0.684	-0.001
0	106_Corr	0.682	0.682	0.000
100	A97_Biased	0.681	0.681	0.000
100	A99_Biased	0.682	0.682	0.000
100	A100_Biased	0.678	0.679	-0.001
100	A101_Biased	0.682	0.682	0.000
100	A102_Biased	0.683	0.683	-0.001
100	A104_Biased	0.682	0.682	0.000
100	A105_Biased	0.680	0.680	0.000
100	B17_Biased	0.682	0.682	-0.001
100	B18_Biased	0.678	0.678	0.000
100	B19_Biased	0.680	0.680	0.000
100	B20_Biased	0.682	0.682	0.000
100	B21_Biased	0.682	0.682	0.000
100	B24_Biased	0.679	0.680	0.000
100	B25_Biased	0.681	0.681	0.000
100	B26_Biased	0.678	0.678	0.000
100	C16_Biased	0.683	0.683	0.000
100	C17_Biased	0.682	0.682	0.000
100	C18_Biased	0.683	0.683	-0.001
100	C19_Biased	0.681	0.681	0.000
100	C25_Biased	0.681	0.682	-0.001
100	C26_Biased	0.682	0.683	0.000
100	C31_Biased	0.683	0.684	0.000
100	A107_Unbiased	0.681	0.682	0.000
100	A108_Unbiased	0.682	0.682	0.000
100	A109_Unbiased	0.683	0.683	0.000
100	A110_Unbiased	0.683	0.683	0.000
100	A111_Unbiased	0.682	0.682	0.000
100	A112_Unbiased	0.683	0.683	0.000
100	A113_Unbiased	0.683	0.683	0.000
100	B27_Unbiased	0.679	0.681	-0.001
100	B29_Unbiased	0.682	0.682	-0.001
100	B30_Unbiased	0.681	0.681	0.000
100	B31_Unbiased	0.682	0.682	0.000
100	B32_Unbiased	0.682	0.682	0.000
100	B33_Unbiased	0.680	0.680	0.000
100	B34_Unbiased	0.680	0.681	0.000
100	B35_Unbiased	0.680	0.680	0.000
100	C32_Unbiased	0.680	0.680	0.000
100	C33_Unbiased	0.681	0.682	-0.001
100	C34_Unbiased	0.681	0.682	0.000
100	C35_Unbiased	0.680	0.680	0.000
100	C36_Unbiased	0.682	0.683	0.000
100	C37_Unbiased	0.680	0.680	0.000
100	C38_Unbiased	0.682	0.682	0.000
	Max	0.684	0.685	0.000
	Average	0.681	0.682	0.000
	Min	0.678	0.678	-0.001
	Std Dev	0.001	0.001	0.000

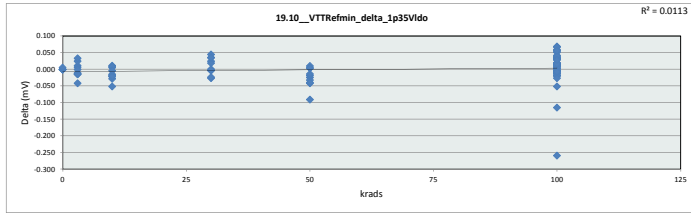


19.8_VTTRefmin_noload_1p35						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
Krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.679	0.679	0.680	0.680	0.679	0.678
Average	0.681	0.682	0.682	0.682	0.682	0.682
Max	0.683	0.685	0.684	0.683	0.684	0.684
UL	0.695	0.695	0.695	0.695	0.695	0.695

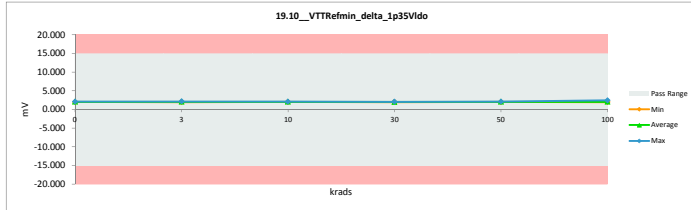


TID 100krad LDR Report
TPS7H3301-SP

19.10_VTTRefmin_delta_1p35V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.001	2.001	0.000
3	A79_Biased	2.029	2.018	0.011
3	A80_Biased	2.029	2.023	0.006
3	B1_Biased	2.062	2.076	-0.014
3	B2_Biased	2.134	2.145	-0.011
3	C1_Biased	2.018	2.033	-0.015
3	A82_Unbiased	1.958	1.958	0.025
3	A83_Unbiased	2.009	2.023	-0.014
3	B4_Unbiased	2.120	2.120	0.000
3	B5_Unbiased	2.071	2.038	0.033
3	C2_Unbiased	2.039	2.081	-0.042
10	A85_Biased	2.076	2.104	-0.028
10	A86_Biased	2.021	2.039	-0.018
10	B6_Biased	2.033	2.048	-0.015
10	C3_Biased	2.017	2.068	-0.051
10	C4_Biased	2.022	2.044	-0.022
10	A87_Unbiased	2.002	1.997	0.005
10	A88_Unbiased	2.048	2.037	0.011
10	B7_Unbiased	2.058	2.050	0.008
10	C5_Unbiased	1.996	2.017	-0.021
10	C6_Unbiased	2.019	2.023	-0.004
0	106_Corr	2.065	2.065	0.000
30	A89_Biased	1.969	1.972	-0.003
30	B8_Biased	2.069	2.044	0.025
30	B9_Biased	2.071	2.036	0.035
30	C7_Biased	2.028	2.054	-0.026
30	C9_Biased	2.015	2.018	-0.003
30	A90_Unbiased	1.979	1.960	0.019
30	B10_Unbiased	2.065	2.020	0.045
30	B11_Unbiased	2.061	2.026	0.035
30	C11_Unbiased	2.015	2.038	-0.023
30	C12_Unbiased	2.035	2.034	0.001
0	106_Corr	2.087	2.087	0.000
0	15B_Corr	2.103	2.103	0.000
50	A92_Biased	1.999	2.023	-0.024
50	A93_Biased	2.045	2.042	0.003
50	B12_Biased	2.015	2.047	-0.032
50	B13_Biased	2.024	2.115	-0.091
50	C14_Biased	2.008	2.050	-0.042
50	A95_Unbiased	2.073	2.092	-0.019
50	A96_Unbiased	2.054	2.094	-0.040
50	B15_Unbiased	1.996	1.986	0.010
50	B16_Unbiased	2.041	2.055	-0.014
50	C15_Unbiased	2.017	2.013	0.004
0	106_Corr	2.065	2.065	0.000
100	A97_Biased	2.004	1.985	0.019
100	A99_Biased	2.031	2.020	0.011
100	A100_Biased	2.073	2.083	-0.010
100	A101_Biased	2.112	2.079	0.033
100	A102_Biased	2.100	2.049	0.051
100	A104_Biased	2.019	1.964	0.055
100	A105_Biased	1.992	1.976	0.016
100	B17_Biased	2.115	2.086	0.029
100	B18_Biased	2.136	2.116	0.020
100	B19_Biased	2.107	2.065	0.042
100	B20_Biased	2.056	2.048	0.008
100	B21_Biased	2.060	2.051	0.009
100	B24_Biased	2.119	2.060	0.059
100	B25_Biased	2.073	2.004	0.069
100	B26_Biased	2.078	2.064	0.014
100	C16_Biased	2.022	2.023	-0.001
100	C17_Biased	2.023	2.016	0.007
100	C18_Biased	2.024	1.994	0.030
100	C19_Biased	2.055	2.075	-0.020
100	C25_Biased	1.967	1.985	-0.018
100	C26_Biased	2.073	2.092	-0.019
100	C31_Biased	2.044	2.057	-0.013
100	A107_Unbiased	2.045	2.049	-0.004
100	A108_Unbiased	2.049	2.046	0.003
100	A109_Unbiased	2.002	1.970	0.032
100	A110_Unbiased	2.027	2.040	-0.013
100	A111_Unbiased	2.057	2.050	0.007
100	A112_Unbiased	2.019	2.007	0.012
100	A113_Unbiased	2.026	1.992	0.034
100	B27_Unbiased	2.181	2.440	-0.259
100	B29_Unbiased	1.917	2.032	-0.115
100	B30_Unbiased	2.127	2.091	0.036
100	B31_Unbiased	2.045	2.006	0.039
100	B32_Unbiased	2.072	2.005	0.067
100	B33_Unbiased	2.037	2.034	0.003
100	B34_Unbiased	2.061	2.043	0.018
100	B35_Unbiased	2.028	2.047	-0.019
100	C32_Unbiased	2.027	2.010	0.017
100	C33_Unbiased	2.036	2.008	0.028
100	C34_Unbiased	2.038	2.045	-0.007
100	C35_Unbiased	2.045	2.052	-0.007
100	C36_Unbiased	2.050	2.101	-0.051
100	C37_Unbiased	1.947	1.973	-0.026
100	C38_Unbiased	2.053	1.997	0.056
	Max	2.181	2.440	0.069
	Average	2.044	2.044	-0.001
	Min	1.917	1.958	-0.259
	Std Dev	0.043	0.058	0.041

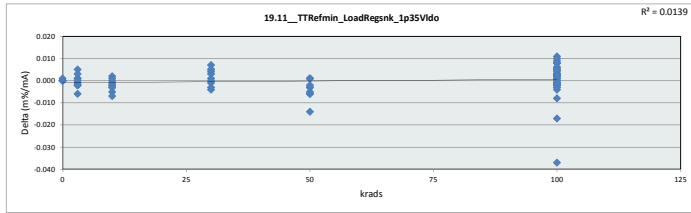


19.10_VTTRefmin_delta_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	LL	Min	Average	Max	UL	Pass Range
0	-15.000	2.001	2.063	2.103	15.000	
3	-15.000	1.958	2.052	2.145	15.000	
10	-15.000	1.997	2.043	2.104	15.000	
30	-15.000	1.960	2.020	2.054	15.000	
50	-15.000	1.986	2.052	2.115	15.000	
100	-15.000	1.964	2.045	2.440	15.000	

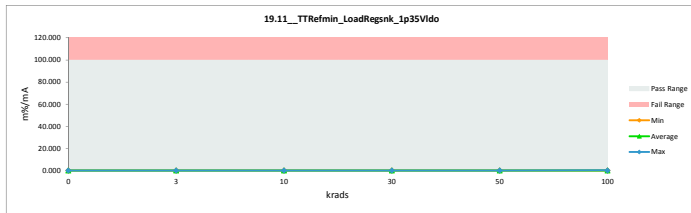


TID 100krad LDR Report
TPS7H3301-SP

19.11_TTRefmin_LoadReqsnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.293	0.293	0.000
3	A79_Biased	0.296	0.295	0.001
3	A80_Biased	0.297	0.296	0.001
3	B1_Biased	0.302	0.304	-0.002
3	B2_Biased	0.315	0.316	-0.001
3	C1_Biased	0.296	0.298	-0.002
3	A82_Unbiased	0.290	0.287	0.003
3	A83_Unbiased	0.294	0.296	-0.002
3	B4_Unbiased	0.311	0.311	0.000
3	B5_Unbiased	0.304	0.299	0.005
3	C2_Unbiased	0.299	0.305	-0.006
10	A85_Biased	0.305	0.310	-0.005
10	A86_Biased	0.297	0.299	-0.002
10	B6_Biased	0.298	0.300	-0.002
10	C3_Biased	0.296	0.303	-0.007
10	C4_Biased	0.296	0.299	-0.003
10	A87_Unbiased	0.294	0.294	0.000
10	A88_Unbiased	0.300	0.298	0.002
10	B7_Unbiased	0.302	0.301	0.001
10	C5_Unbiased	0.292	0.295	-0.003
10	C6_Unbiased	0.297	0.298	-0.001
0	106_Corr	0.303	0.303	0.000
30	A89_Biased	0.289	0.290	-0.001
30	B8_Biased	0.303	0.299	0.004
30	B9_Biased	0.304	0.299	0.005
30	C7_Biased	0.298	0.302	-0.004
30	C9_Biased	0.296	0.296	0.000
30	A90_Unbiased	0.290	0.287	0.003
30	B10_Unbiased	0.304	0.297	0.007
30	B11_Unbiased	0.302	0.297	0.005
30	C11_Unbiased	0.296	0.299	-0.003
30	C12_Unbiased	0.299	0.298	0.001
0	106_Corr	0.306	0.306	0.000
0	15B_Corr	0.310	0.310	0.000
50	A92_Biased	0.293	0.296	-0.003
50	A93_Biased	0.300	0.299	0.001
50	B12_Biased	0.296	0.301	-0.005
50	B13_Biased	0.297	0.311	-0.014
50	C14_Biased	0.295	0.301	-0.006
50	A95_Unbiased	0.305	0.308	-0.003
50	A96_Unbiased	0.301	0.307	-0.006
50	B15_Unbiased	0.292	0.291	0.001
50	B16_Unbiased	0.300	0.302	-0.002
50	C15_Unbiased	0.295	0.294	0.001
0	106_Corr	0.303	0.303	0.000
100	A97_Biased	0.294	0.291	0.003
100	A99_Biased	0.298	0.296	0.002
100	A100_Biased	0.306	0.307	-0.001
100	A101_Biased	0.310	0.305	0.005
100	A102_Biased	0.308	0.300	0.008
100	A104_Biased	0.296	0.288	0.008
100	A105_Biased	0.293	0.291	0.002
100	B17_Biased	0.310	0.306	0.004
100	B18_Biased	0.315	0.312	0.003
100	B19_Biased	0.310	0.304	0.006
100	B20_Biased	0.302	0.300	0.002
100	B21_Biased	0.302	0.301	0.001
100	B24_Biased	0.312	0.303	0.009
100	B25_Biased	0.305	0.294	0.011
100	B26_Biased	0.306	0.304	0.002
100	C16_Biased	0.296	0.296	0.000
100	C17_Biased	0.297	0.296	0.001
100	C18_Biased	0.297	0.292	0.005
100	C19_Biased	0.302	0.305	-0.003
100	C25_Biased	0.289	0.291	-0.002
100	C26_Biased	0.304	0.306	-0.002
100	C31_Biased	0.299	0.301	-0.002
100	A107_Unbiased	0.303	0.304	-0.001
100	A108_Unbiased	0.301	0.300	0.001
100	A109_Unbiased	0.293	0.288	0.005
100	A110_Unbiased	0.297	0.299	-0.002
100	A111_Unbiased	0.302	0.302	0.000
100	A112_Unbiased	0.296	0.294	0.002
100	A113_Unbiased	0.297	0.292	0.005
100	B27_Unbiased	0.321	0.358	-0.037
100	B29_Unbiased	0.281	0.298	-0.017
100	B30_Unbiased	0.312	0.307	0.005
100	B31_Unbiased	0.300	0.294	0.006
100	B32_Unbiased	0.304	0.294	0.010
100	B33_Unbiased	0.300	0.299	0.001
100	B34_Unbiased	0.303	0.300	0.003
100	B35_Unbiased	0.298	0.301	-0.003
100	C32_Unbiased	0.298	0.295	0.003
100	C33_Unbiased	0.299	0.294	0.005
100	C34_Unbiased	0.299	0.300	-0.001
100	C35_Unbiased	0.301	0.302	-0.001
100	C36_Unbiased	0.300	0.308	-0.008
100	C37_Unbiased	0.286	0.290	-0.004
100	C38_Unbiased	0.301	0.293	0.008
	Max	0.321	0.358	0.011
	Average	0.300	0.300	0.000
	Min	0.281	0.287	-0.037
	Std Dev	0.007	0.009	0.006

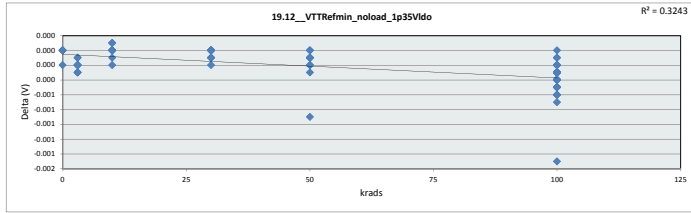


19.11_TTRefmin_LoadReqsnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.293	0.287	0.294	0.287	0.291	0.288
Average	0.303	0.301	0.300	0.296	0.301	0.300
Max	0.310	0.316	0.310	0.302	0.311	0.358
UL	100.000	100.000	100.000	100.000	100.000	100.000

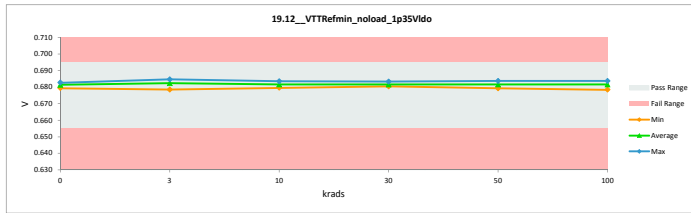


TID 100krad LDR Report
TPS7H3301-SP

19.12_VTTRefmin_noload_1p35				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.695	0.695		
Min Limit	0.655	0.655		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.683	0.683	0.000
3	A79_Biased	0.684	0.685	0.000
3	A80_Biased	0.683	0.683	0.000
3	B1_Biased	0.683	0.683	0.000
3	B2_Biased	0.678	0.678	0.000
3	C1_Biased	0.681	0.682	0.000
3	A82_Unbiased	0.683	0.683	0.000
3	A83_Unbiased	0.683	0.684	0.000
3	B4_Unbiased	0.682	0.682	0.000
3	B5_Unbiased	0.681	0.682	0.000
3	C2_Unbiased	0.683	0.683	0.000
10	A85_Biased	0.680	0.679	0.000
10	A86_Biased	0.680	0.682	0.000
10	B6_Biased	0.683	0.683	0.000
10	C3_Biased	0.682	0.682	0.000
10	C4_Biased	0.683	0.683	0.000
10	A87_Unbiased	0.680	0.680	0.000
10	A88_Unbiased	0.683	0.683	0.000
10	B7_Unbiased	0.681	0.681	0.000
10	C5_Unbiased	0.683	0.683	0.000
10	C6_Unbiased	0.679	0.679	0.000
0	106_Corr	0.682	0.682	0.000
30	A89_Biased	0.681	0.681	0.000
30	B8_Biased	0.683	0.683	0.000
30	B9_Biased	0.681	0.681	0.000
30	C7_Biased	0.681	0.681	0.000
30	C9_Biased	0.681	0.681	0.000
30	A90_Unbiased	0.683	0.683	0.000
30	B10_Unbiased	0.680	0.680	0.000
30	B11_Unbiased	0.682	0.682	0.000
30	C11_Unbiased	0.682	0.682	0.000
30	C12_Unbiased	0.681	0.681	0.000
0	106_Corr	0.682	0.682	0.000
0	15B_Corr	0.679	0.679	0.000
50	A92_Biased	0.683	0.683	0.000
50	A93_Biased	0.682	0.682	0.000
50	B12_Biased	0.680	0.680	0.000
50	B13_Biased	0.680	0.681	0.000
50	C14_Biased	0.681	0.682	0.000
50	A95_Unbiased	0.679	0.679	0.000
50	A96_Unbiased	0.682	0.682	0.000
50	B15_Unbiased	0.683	0.683	0.000
50	B16_Unbiased	0.680	0.681	0.000
50	C15_Unbiased	0.683	0.684	-0.001
0	106_Corr	0.682	0.682	0.000
100	A97_Biased	0.681	0.681	0.000
100	A99_Biased	0.682	0.682	0.000
100	A100_Biased	0.678	0.679	-0.001
100	A101_Biased	0.682	0.682	0.000
100	A102_Biased	0.683	0.683	-0.001
100	A104_Biased	0.682	0.682	0.000
100	A105_Biased	0.680	0.680	0.000
100	B17_Biased	0.682	0.682	-0.001
100	B18_Biased	0.678	0.678	0.000
100	B19_Biased	0.680	0.680	0.000
100	B20_Biased	0.682	0.682	0.000
100	B21_Biased	0.682	0.682	0.000
100	B24_Biased	0.679	0.680	0.000
100	B25_Biased	0.681	0.681	0.000
100	B26_Biased	0.678	0.678	0.000
100	C16_Biased	0.683	0.683	0.000
100	C17_Biased	0.682	0.682	0.000
100	C18_Biased	0.683	0.683	-0.001
100	C19_Biased	0.681	0.681	0.000
100	C25_Biased	0.681	0.682	-0.001
100	C26_Biased	0.682	0.683	0.000
100	C31_Biased	0.683	0.684	0.000
100	A107_Unbiased	0.681	0.682	0.000
100	A108_Unbiased	0.682	0.682	0.000
100	A109_Unbiased	0.683	0.683	0.000
100	A110_Unbiased	0.683	0.683	0.000
100	A111_Unbiased	0.682	0.682	0.000
100	A112_Unbiased	0.683	0.683	0.000
100	A113_Unbiased	0.683	0.683	0.000
100	B27_Unbiased	0.679	0.681	-0.001
100	B29_Unbiased	0.682	0.682	-0.001
100	B30_Unbiased	0.681	0.681	0.000
100	B31_Unbiased	0.682	0.682	0.000
100	B32_Unbiased	0.682	0.682	0.000
100	B33_Unbiased	0.680	0.680	0.000
100	B34_Unbiased	0.680	0.681	0.000
100	B35_Unbiased	0.680	0.680	0.000
100	C32_Unbiased	0.680	0.680	0.000
100	C33_Unbiased	0.681	0.682	-0.001
100	C34_Unbiased	0.681	0.682	0.000
100	C35_Unbiased	0.680	0.680	0.000
100	C36_Unbiased	0.682	0.683	0.000
100	C37_Unbiased	0.680	0.680	0.000
100	C38_Unbiased	0.682	0.682	0.000
	Max	0.684	0.685	0.000
	Average	0.681	0.682	0.000
	Min	0.678	0.678	-0.001
	Std Dev	0.001	0.001	0.000



19.12_VTTRefmin_noload_1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.695	V				
Min Limit	0.655	V				
Krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.679	0.679	0.680	0.680	0.679	0.678
Average	0.681	0.682	0.682	0.682	0.682	0.682
Max	0.683	0.685	0.684	0.683	0.684	0.684
UL	0.695	0.695	0.695	0.695	0.695	0.695

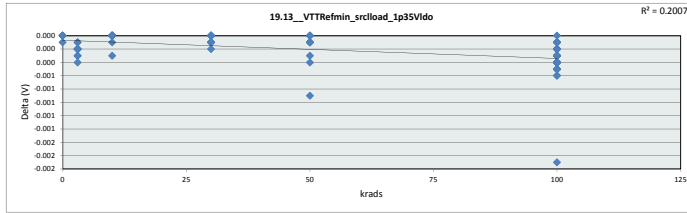


TID 100krad LDR Report
TPS7H3301-SP

19.13_VTTRefmin_srcload_ip3

Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	0.695	0.695
Min Limit	0.655	0.655

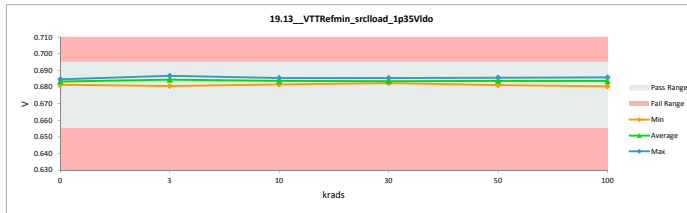
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.685	0.685	0.000
3	A79_Biased	0.686	0.687	0.000
3	A80_Biased	0.685	0.685	0.000
3	B1_Biased	0.685	0.685	0.000
3	B2_Biased	0.680	0.681	0.000
3	C1_Biased	0.683	0.684	0.000
3	A82_Unbiased	0.685	0.685	0.000
3	A83_Unbiased	0.686	0.686	0.000
3	B4_Unbiased	0.684	0.684	0.000
3	B5_Unbiased	0.683	0.683	0.000
3	C2_Unbiased	0.685	0.685	0.000
10	A85_Biased	0.682	0.682	0.000
10	A86_Biased	0.684	0.684	0.000
10	B6_Biased	0.685	0.685	0.000
10	C3_Biased	0.684	0.684	0.000
10	C4_Biased	0.685	0.685	0.000
10	A87_Unbiased	0.682	0.682	0.000
10	A88_Unbiased	0.686	0.686	0.000
10	B7_Unbiased	0.683	0.683	0.000
10	C5_Unbiased	0.685	0.685	0.000
10	C6_Unbiased	0.682	0.682	0.000
0	106_Corr	0.684	0.684	0.000
30	A89_Biased	0.683	0.683	0.000
30	B8_Biased	0.685	0.685	0.000
30	B9_Biased	0.683	0.683	0.000
30	C7_Biased	0.683	0.683	0.000
30	C9_Biased	0.683	0.683	0.000
30	A90_Unbiased	0.685	0.685	0.000
30	B10_Unbiased	0.682	0.682	0.000
30	B11_Unbiased	0.684	0.684	0.000
30	C11_Unbiased	0.684	0.684	0.000
30	C12_Unbiased	0.683	0.683	0.000
0	106_Corr	0.684	0.684	0.000
0	15B_Corr	0.681	0.681	0.000
50	A92_Biased	0.684	0.684	0.000
50	A93_Biased	0.684	0.684	0.000
50	B12_Biased	0.682	0.682	0.000
50	B13_Biased	0.682	0.683	0.000
50	C14_Biased	0.683	0.684	0.000
50	A95_Unbiased	0.681	0.681	0.000
50	A96_Unbiased	0.684	0.684	0.000
50	B15_Unbiased	0.685	0.685	0.000
50	B16_Unbiased	0.683	0.683	0.000
50	C15_Unbiased	0.685	0.686	-0.001
0	106_Corr	0.684	0.684	0.000
100	A97_Biased	0.683	0.683	0.000
100	A99_Biased	0.684	0.684	0.000
100	A100_Biased	0.680	0.681	-0.001
100	A101_Biased	0.684	0.684	0.000
100	A102_Biased	0.685	0.685	0.000
100	A104_Biased	0.684	0.684	0.000
100	A105_Biased	0.682	0.682	0.000
100	B17_Biased	0.684	0.684	0.000
100	B18_Biased	0.680	0.680	0.000
100	B19_Biased	0.682	0.682	0.000
100	B20_Biased	0.684	0.684	0.000
100	B21_Biased	0.684	0.684	0.000
100	B24_Biased	0.682	0.682	0.000
100	B25_Biased	0.683	0.683	0.000
100	B26_Biased	0.680	0.680	0.000
100	C16_Biased	0.685	0.685	0.000
100	C17_Biased	0.684	0.684	0.000
100	C18_Biased	0.685	0.685	-0.001
100	C19_Biased	0.683	0.683	0.000
100	C25_Biased	0.683	0.684	-0.001
100	C26_Biased	0.684	0.685	-0.001
100	C31_Biased	0.686	0.686	0.000
100	A107_Unbiased	0.683	0.684	0.000
100	A108_Unbiased	0.684	0.684	0.000
100	A109_Unbiased	0.685	0.685	0.000
100	A110_Unbiased	0.685	0.685	0.000
100	A111_Unbiased	0.684	0.684	0.000
100	A112_Unbiased	0.685	0.685	0.000
100	A113_Unbiased	0.685	0.685	0.000
100	B27_Unbiased	0.682	0.683	-0.002
100	B29_Unbiased	0.683	0.684	-0.001
100	B30_Unbiased	0.683	0.683	0.000
100	B31_Unbiased	0.683	0.684	-0.001
100	B32_Unbiased	0.684	0.684	0.000
100	B33_Unbiased	0.682	0.682	0.000
100	B34_Unbiased	0.683	0.683	0.000
100	B35_Unbiased	0.682	0.682	0.000
100	C32_Unbiased	0.682	0.683	0.000
100	C33_Unbiased	0.683	0.684	0.000
100	C34_Unbiased	0.683	0.683	0.000
100	C35_Unbiased	0.682	0.682	0.000
100	C36_Unbiased	0.684	0.685	0.000
100	C37_Unbiased	0.682	0.682	-0.001
100	C38_Unbiased	0.684	0.684	0.000
	Max	0.686	0.687	0.000
	Average	0.683	0.684	0.000
	Min	0.680	0.680	-0.002
	Std Dev	0.001	0.001	0.000



19.13_VTTRefmin_srcload_1

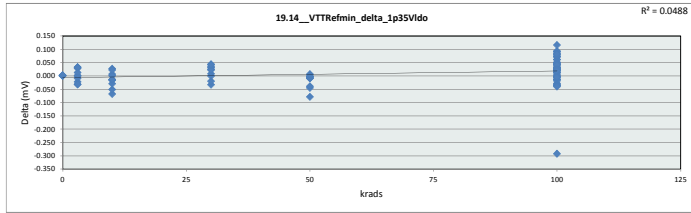
Test Site	Dallas, Tx
Testor	ETS
Test Number	EF636800
Max Limit	0.695 V
Min Limit	0.655 V

krads	0	3	10	30	50	100
LL	0.655	0.655	0.655	0.655	0.655	0.655
Min	0.681	0.681	0.682	0.682	0.681	0.681
Average	0.683	0.684	0.684	0.684	0.684	0.684
Max	0.685	0.687	0.686	0.685	0.686	0.686
UL	0.695	0.695	0.695	0.695	0.695	0.695

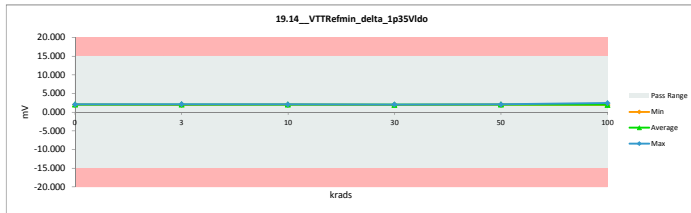


TID 100krad LDR Report
TPS7H3301-SP

19.14_VTTRefmin_delta_1p35V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.988	1.988	0.000
3	A79_Biased	2.051	2.018	0.033
3	A80_Biased	2.044	2.016	0.028
3	B1_Biased	2.070	2.071	-0.001
3	B2_Biased	2.086	2.084	0.002
3	C1_Biased	2.023	2.055	-0.032
3	A82_Unbiased	1.982	1.969	0.013
3	A83_Unbiased	2.017	1.985	0.032
3	B4_Unbiased	2.113	2.135	-0.022
3	B5_Unbiased	2.067	2.076	-0.009
3	C2_Unbiased	2.053	2.085	-0.032
10	A85_Biased	2.061	2.054	0.007
10	A86_Biased	2.024	2.038	-0.014
10	B6_Biased	2.033	2.049	-0.016
10	C3_Biased	2.007	2.075	-0.068
10	C4_Biased	2.011	2.062	-0.051
10	A87_Unbiased	2.008	2.008	0.000
10	A88_Unbiased	2.049	2.022	0.027
10	B7_Unbiased	2.055	2.033	0.022
10	C5_Unbiased	2.000	2.029	-0.029
10	C6_Unbiased	1.993	2.007	-0.014
0	106_Corr	2.046	2.046	0.000
30	A89_Biased	1.989	1.959	0.030
30	B8_Biased	2.074	2.050	0.024
30	B9_Biased	2.082	2.048	0.034
30	C7_Biased	2.024	2.057	-0.033
30	C9_Biased	2.031	2.023	0.008
30	A90_Unbiased	1.988	1.966	0.022
30	B10_Unbiased	2.061	2.017	0.044
30	B11_Unbiased	2.061	2.020	0.041
30	C11_Unbiased	2.018	2.038	-0.020
30	C12_Unbiased	2.039	2.040	-0.001
0	106_Corr	2.080	2.080	0.000
0	15B_Corr	2.046	2.046	0.000
50	A92_Biased	2.000	2.009	-0.009
50	A93_Biased	2.052	2.053	-0.002
50	B12_Biased	2.017	2.024	-0.007
50	B13_Biased	2.023	2.102	-0.079
50	C14_Biased	2.008	2.053	-0.045
50	A95_Unbiased	2.035	2.038	-0.003
50	A96_Unbiased	2.057	2.096	-0.039
50	B15_Unbiased	1.989	1.998	-0.009
50	B16_Unbiased	2.044	2.047	-0.003
50	C15_Unbiased	2.019	2.012	0.007
0	106_Corr	2.046	2.046	0.000
100	A97_Biased	2.005	1.987	0.018
100	A99_Biased	1.989	1.988	0.001
100	A100_Biased	2.031	2.018	0.013
100	A101_Biased	2.091	2.029	0.062
100	A102_Biased	2.100	2.019	0.081
100	A104_Biased	2.044	1.952	0.092
100	A105_Biased	1.992	2.020	-0.028
100	B17_Biased	2.111	2.018	0.093
100	B18_Biased	2.089	2.066	0.023
100	B19_Biased	2.081	2.020	0.061
100	B20_Biased	2.011	1.990	0.021
100	B21_Biased	2.059	2.012	0.047
100	B24_Biased	2.066	2.015	0.051
100	B25_Biased	2.074	2.044	0.030
100	B26_Biased	2.033	2.021	0.012
100	C16_Biased	2.033	1.989	0.044
100	C17_Biased	2.032	1.946	0.086
100	C18_Biased	2.010	1.974	0.036
100	C19_Biased	2.040	2.076	-0.036
100	C25_Biased	1.980	1.994	-0.014
100	C26_Biased	2.064	2.033	0.031
100	C31_Biased	2.055	2.069	-0.014
100	A107_Unbiased	2.045	2.058	0.007
100	A108_Unbiased	2.055	1.984	0.071
100	A109_Unbiased	1.998	1.971	0.027
100	A110_Unbiased	2.049	1.978	0.071
100	A111_Unbiased	2.079	1.963	0.116
100	A112_Unbiased	2.032	1.982	0.050
100	A113_Unbiased	2.030	1.955	0.075
100	B27_Unbiased	2.135	2.428	-0.293
100	B29_Unbiased	1.913	1.932	-0.019
100	B30_Unbiased	2.125	2.084	0.041
100	B31_Unbiased	2.049	1.967	0.082
100	B32_Unbiased	2.076	2.047	0.029
100	B33_Unbiased	2.022	2.054	-0.032
100	B34_Unbiased	2.022	2.062	-0.040
100	B35_Unbiased	2.025	1.984	0.041
100	C32_Unbiased	2.011	2.048	-0.037
100	C33_Unbiased	2.029	2.037	-0.008
100	C34_Unbiased	2.030	2.034	-0.004
100	C35_Unbiased	2.071	2.075	-0.004
100	C36_Unbiased	2.066	2.041	0.025
100	C37_Unbiased	1.964	2.004	-0.040
100	C38_Unbiased	2.048	2.029	0.019
	Max	2.135	2.428	0.116
	Average	2.040	2.031	0.009
	Min	1.913	1.932	-0.293
	Std Dev	0.037	0.058	0.049

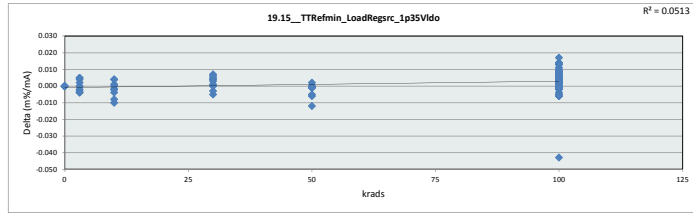


19.14_VTTRefmin_delta_1p35V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.988	1.969	2.007	1.959	1.998	1.932
Average	2.049	2.049	2.038	2.022	2.043	2.023
Max	2.080	2.135	2.075	2.057	2.102	2.428
UL	15.000	15.000	15.000	15.000	15.000	15.000

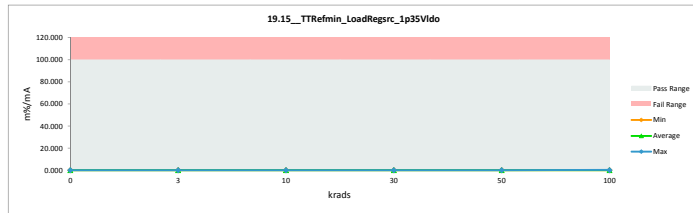


TID 100krad LDR Report
TPS7H3301-SP

19_15_TTRefmin_LoadRegrsc_1				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.291	0.291	0.000
3	A79_Biased	0.300	0.295	0.005
3	A80_Unbiased	0.299	0.295	0.004
3	B1_Biased	0.303	0.303	0.000
3	B2_Biased	0.307	0.307	0.000
3	C1_Biased	0.297	0.301	-0.004
3	A82_Unbiased	0.290	0.288	0.002
3	A83_Unbiased	0.295	0.290	0.005
3	B4_Unbiased	0.310	0.313	-0.003
3	B5_Unbiased	0.303	0.305	-0.002
3	C2_Unbiased	0.301	0.305	-0.004
10	A85_Biased	0.303	0.302	0.001
10	A86_Biased	0.297	0.299	-0.002
10	B6_Biased	0.298	0.300	-0.002
10	C3_Biased	0.294	0.304	-0.010
10	C4_Biased	0.294	0.302	-0.008
10	A87_Unbiased	0.295	0.295	0.000
10	A88_Unbiased	0.300	0.296	0.004
10	B7_Unbiased	0.302	0.298	0.004
10	C5_Unbiased	0.293	0.297	-0.004
10	C6_Unbiased	0.293	0.295	-0.002
0	106_Corr	0.303	0.303	0.000
30	A89_Biased	0.292	0.288	0.004
30	B8_Biased	0.304	0.300	0.004
30	B9_Biased	0.306	0.301	0.005
30	C7_Biased	0.297	0.302	-0.005
30	C9_Biased	0.298	0.297	0.001
30	A90_Unbiased	0.291	0.288	0.003
30	B10_Unbiased	0.303	0.296	0.007
30	B11_Unbiased	0.302	0.296	0.006
30	C11_Unbiased	0.296	0.299	-0.003
30	C12_Unbiased	0.299	0.299	0.000
0	106_Corr	0.305	0.305	0.000
0	15B_Corr	0.301	0.301	0.000
50	A92_Biased	0.293	0.294	-0.001
50	A93_Biased	0.301	0.301	0.000
50	B12_Biased	0.297	0.297	0.000
50	B13_Biased	0.297	0.309	-0.012
50	C14_Biased	0.295	0.301	-0.006
50	A95_Unbiased	0.300	0.300	0.000
50	A96_Unbiased	0.302	0.307	-0.005
50	B15_Unbiased	0.291	0.292	-0.001
50	B16_Unbiased	0.300	0.301	-0.001
50	C15_Unbiased	0.296	0.294	0.002
0	106_Corr	0.303	0.303	0.000
100	A97_Biased	0.294	0.292	0.002
100	A99_Biased	0.292	0.291	0.001
100	A100_Biased	0.299	0.297	0.002
100	A101_Biased	0.306	0.297	0.009
100	A102_Biased	0.308	0.295	0.013
100	A104_Biased	0.300	0.286	0.014
100	A105_Biased	0.293	0.297	-0.004
100	B17_Biased	0.310	0.296	0.014
100	B18_Biased	0.308	0.305	0.003
100	B19_Biased	0.306	0.297	0.009
100	B20_Biased	0.295	0.292	0.003
100	B21_Biased	0.302	0.295	0.007
100	B24_Biased	0.304	0.296	0.008
100	B25_Biased	0.305	0.300	0.005
100	B26_Biased	0.300	0.298	0.002
100	C16_Biased	0.298	0.291	0.007
100	C17_Biased	0.298	0.285	0.013
100	C18_Biased	0.294	0.289	0.005
100	C19_Biased	0.299	0.305	-0.006
100	C25_Biased	0.291	0.292	-0.001
100	C26_Biased	0.303	0.298	0.005
100	C31_Biased	0.301	0.303	-0.002
100	A107_Unbiased	0.303	0.302	0.001
100	A108_Unbiased	0.301	0.291	0.010
100	A109_Unbiased	0.293	0.289	0.004
100	A110_Unbiased	0.300	0.290	0.010
100	A111_Unbiased	0.305	0.299	0.006
100	A112_Unbiased	0.298	0.290	0.008
100	A113_Unbiased	0.297	0.286	0.011
100	B27_Unbiased	0.314	0.357	-0.043
100	B29_Unbiased	0.281	0.283	-0.002
100	B30_Unbiased	0.312	0.306	0.006
100	B31_Unbiased	0.301	0.288	0.013
100	B32_Unbiased	0.305	0.300	0.005
100	B33_Unbiased	0.297	0.302	-0.005
100	B34_Unbiased	0.303	0.303	0.000
100	B35_Unbiased	0.298	0.292	0.006
100	C32_Unbiased	0.296	0.301	-0.005
100	C33_Unbiased	0.298	0.299	-0.001
100	C34_Unbiased	0.298	0.298	0.000
100	C35_Unbiased	0.304	0.305	-0.001
100	C36_Unbiased	0.303	0.299	0.004
100	C37_Unbiased	0.289	0.295	-0.006
100	C38_Unbiased	0.301	0.298	0.003
	Max	0.314	0.357	0.043
	Average	0.299	0.298	0.001
	Min	0.281	0.283	-0.002
	Std Dev	0.006	0.009	0.007

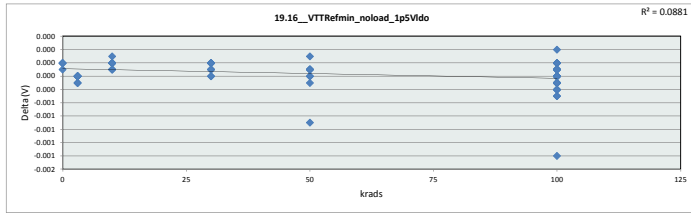


19_15_TTRefmin_LoadRegrsc_1						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.291	0.288	0.295	0.288	0.292	0.283
Average	0.301	0.300	0.299	0.297	0.300	0.297
Max	0.305	0.313	0.304	0.302	0.309	0.357
UL	100.000	100.000	100.000	100.000	100.000	100.000

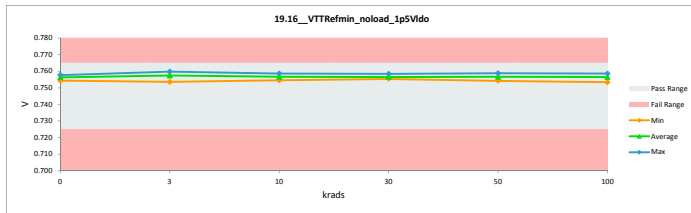


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19.16_VTTRefmin_noload_1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.758	0.758	0.000
3	A79_Biased	0.759	0.760	0.000
3	A80_Biased	0.758	0.758	0.000
3	B1_Biased	0.758	0.758	0.000
3	B2_Biased	0.753	0.754	0.000
3	C1_Biased	0.756	0.757	0.000
3	A82_Unbiased	0.758	0.758	0.000
3	A83_Unbiased	0.759	0.759	0.000
3	B4_Unbiased	0.757	0.757	0.000
3	B5_Unbiased	0.756	0.757	0.000
3	C2_Unbiased	0.758	0.758	0.000
10	A85_Biased	0.755	0.754	0.000
10	A86_Biased	0.757	0.757	0.000
10	B6_Biased	0.758	0.758	0.000
10	C3_Biased	0.757	0.757	0.000
10	C4_Biased	0.758	0.758	0.000
10	A87_Unbiased	0.755	0.755	0.000
10	A88_Unbiased	0.758	0.758	0.000
10	B7_Unbiased	0.756	0.756	0.000
10	C5_Unbiased	0.758	0.758	0.000
10	C6_Unbiased	0.754	0.755	0.000
0	106_Corr	0.757	0.757	0.000
30	A89_Biased	0.756	0.756	0.000
30	B8_Biased	0.758	0.758	0.000
30	B9_Biased	0.756	0.756	0.000
30	C7_Biased	0.756	0.756	0.000
30	C9_Biased	0.756	0.756	0.000
30	A90_Unbiased	0.758	0.758	0.000
30	B10_Unbiased	0.755	0.755	0.000
30	B11_Unbiased	0.757	0.757	0.000
30	C11_Unbiased	0.757	0.757	0.000
30	C12_Unbiased	0.756	0.756	0.000
0	106_Corr	0.757	0.757	0.000
0	15B_Corr	0.754	0.754	0.000
50	A92_Biased	0.757	0.758	0.000
50	A93_Biased	0.757	0.757	0.000
50	B12_Biased	0.755	0.755	0.000
50	B13_Biased	0.755	0.756	0.000
50	C14_Biased	0.756	0.757	0.000
50	A95_Unbiased	0.754	0.754	0.000
50	A96_Unbiased	0.757	0.757	0.000
50	B15_Unbiased	0.758	0.758	0.000
50	B16_Unbiased	0.756	0.756	0.000
50	C15_Unbiased	0.758	0.759	-0.001
0	106_Corr	0.757	0.757	0.000
100	A97_Biased	0.756	0.756	0.000
100	A99_Biased	0.757	0.757	0.000
100	A100_Biased	0.753	0.754	0.000
100	A101_Biased	0.757	0.757	0.000
100	A102_Biased	0.758	0.758	0.000
100	A104_Biased	0.757	0.757	0.000
100	A105_Biased	0.755	0.755	0.000
100	B17_Biased	0.757	0.757	0.000
100	B18_Biased	0.753	0.753	0.000
100	B19_Biased	0.755	0.755	0.000
100	B20_Biased	0.757	0.757	0.000
100	B21_Biased	0.757	0.757	0.000
100	B24_Biased	0.754	0.755	0.000
100	B25_Biased	0.756	0.756	0.000
100	B26_Biased	0.753	0.753	0.000
100	C16_Biased	0.758	0.758	0.000
100	C17_Biased	0.757	0.757	0.000
100	C18_Biased	0.758	0.758	0.000
100	C19_Biased	0.756	0.756	0.000
100	C25_Biased	0.756	0.757	0.000
100	C26_Biased	0.757	0.757	0.000
100	C31_Biased	0.758	0.759	0.000
100	A107_Unbiased	0.757	0.757	0.000
100	A108_Unbiased	0.757	0.757	0.000
100	A109_Unbiased	0.758	0.758	0.000
100	A110_Unbiased	0.758	0.758	0.000
100	A111_Unbiased	0.757	0.757	0.000
100	A112_Unbiased	0.758	0.758	0.000
100	A113_Unbiased	0.758	0.758	0.000
100	B27_Unbiased	0.754	0.756	-0.001
100	B29_Unbiased	0.757	0.757	0.000
100	B30_Unbiased	0.756	0.756	0.000
100	B31_Unbiased	0.757	0.757	0.000
100	B32_Unbiased	0.757	0.757	0.000
100	B33_Unbiased	0.755	0.755	0.000
100	B34_Unbiased	0.756	0.756	0.000
100	B35_Unbiased	0.755	0.755	0.000
100	C32_Unbiased	0.755	0.755	0.000
100	C33_Unbiased	0.757	0.757	0.000
100	C34_Unbiased	0.756	0.756	0.000
100	C35_Unbiased	0.755	0.755	0.000
100	C36_Unbiased	0.757	0.758	0.000
100	C37_Unbiased	0.755	0.755	0.000
100	C38_Unbiased	0.757	0.757	0.000
	Max	0.760	0.759	0.000
	Average	0.756	0.757	0.000
	Min	0.753	0.753	-0.001
	Std Dev	0.001	0.001	0.000

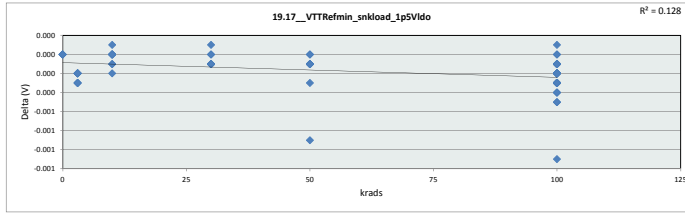


19.16_VTTRefmin_noload_1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
Krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.754	0.754	0.755	0.755	0.754	0.753
Average	0.756	0.757	0.757	0.757	0.757	0.756
Max	0.758	0.760	0.759	0.758	0.759	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765

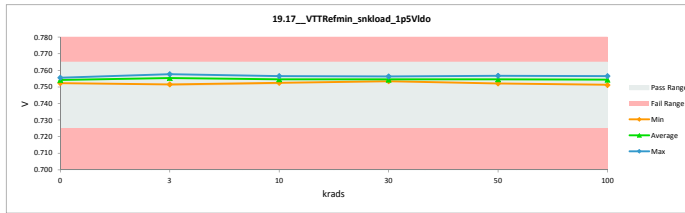


TID 100krad LDR Report
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19.17_VTTRefmin_snkload_1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.756	0.756	0.000
3	A79_Biased	0.757	0.758	0.000
3	A80_Biased	0.756	0.756	0.000
3	B1_Biased	0.756	0.756	0.000
3	B2_Biased	0.751	0.752	0.000
3	C1_Biased	0.754	0.755	0.000
3	A82_Unbiased	0.756	0.756	0.000
3	A83_Unbiased	0.757	0.757	0.000
3	B4_Unbiased	0.755	0.755	0.000
3	B5_Unbiased	0.754	0.754	0.000
3	C2_Unbiased	0.756	0.756	0.000
10	A85_Biased	0.752	0.752	0.000
10	A86_Biased	0.754	0.754	0.000
10	B6_Biased	0.756	0.756	0.000
10	C3_Biased	0.755	0.755	0.000
10	C4_Biased	0.756	0.756	0.000
10	A87_Unbiased	0.753	0.753	0.000
10	A88_Unbiased	0.756	0.757	0.000
10	B7_Unbiased	0.754	0.754	0.000
10	C5_Unbiased	0.756	0.756	0.000
10	C6_Unbiased	0.752	0.752	0.000
0	106_Corr	0.754	0.754	0.000
30	A89_Biased	0.754	0.754	0.000
30	B8_Biased	0.756	0.756	0.000
30	B9_Biased	0.754	0.754	0.000
30	C7_Biased	0.754	0.754	0.000
30	C9_Biased	0.754	0.754	0.000
30	A90_Unbiased	0.756	0.756	0.000
30	B10_Unbiased	0.753	0.753	0.000
30	B11_Unbiased	0.755	0.755	0.000
30	C11_Unbiased	0.755	0.754	0.000
30	C12_Unbiased	0.754	0.754	0.000
0	106_Corr	0.754	0.754	0.000
0	15B_Corr	0.752	0.752	0.000
50	A92_Biased	0.756	0.756	0.000
50	A93_Biased	0.755	0.755	0.000
50	B12_Biased	0.753	0.753	0.000
50	B13_Biased	0.753	0.753	0.000
50	C14_Biased	0.754	0.755	0.000
50	A95_Unbiased	0.752	0.752	0.000
50	A96_Unbiased	0.755	0.755	0.000
50	B15_Unbiased	0.756	0.756	0.000
50	B16_Unbiased	0.753	0.754	0.000
50	C15_Unbiased	0.756	0.757	-0.001
0	106_Corr	0.754	0.754	0.000
100	A97_Biased	0.754	0.754	0.000
100	A99_Biased	0.755	0.755	0.000
100	A100_Biased	0.752	0.752	0.000
100	A101_Biased	0.755	0.755	0.000
100	A102_Biased	0.756	0.756	-0.001
100	A104_Biased	0.755	0.755	0.000
100	A105_Biased	0.753	0.753	0.000
100	B17_Biased	0.755	0.755	0.000
100	B18_Biased	0.751	0.751	0.000
100	B19_Biased	0.752	0.753	0.000
100	B20_Biased	0.755	0.755	0.000
100	B21_Biased	0.755	0.755	0.000
100	B24_Biased	0.752	0.753	0.000
100	B25_Biased	0.754	0.754	0.000
100	B26_Biased	0.751	0.751	0.000
100	C16_Biased	0.756	0.756	0.000
100	C17_Biased	0.755	0.755	0.000
100	C18_Biased	0.756	0.756	-0.001
100	C19_Biased	0.754	0.754	0.000
100	C25_Biased	0.754	0.754	0.000
100	C26_Biased	0.755	0.756	0.000
100	C31_Biased	0.756	0.757	0.000
100	A107_Unbiased	0.754	0.754	0.000
100	A108_Unbiased	0.755	0.755	0.000
100	A109_Unbiased	0.756	0.756	0.000
100	A110_Unbiased	0.756	0.756	0.000
100	A111_Unbiased	0.755	0.755	0.000
100	A112_Unbiased	0.756	0.756	0.000
100	A113_Unbiased	0.756	0.756	0.000
100	B27_Unbiased	0.752	0.753	-0.001
100	B29_Unbiased	0.755	0.755	0.000
100	B30_Unbiased	0.754	0.754	0.000
100	B31_Unbiased	0.754	0.755	0.000
100	B32_Unbiased	0.755	0.755	0.000
100	B33_Unbiased	0.753	0.753	0.000
100	B34_Unbiased	0.753	0.753	0.000
100	B35_Unbiased	0.753	0.753	0.000
100	C32_Unbiased	0.753	0.753	0.000
100	C33_Unbiased	0.754	0.755	0.000
100	C34_Unbiased	0.754	0.754	0.000
100	C35_Unbiased	0.753	0.753	0.000
100	C36_Unbiased	0.755	0.756	0.000
100	C37_Unbiased	0.753	0.753	0.000
100	C38_Unbiased	0.754	0.755	0.000
	Max	0.757	0.758	0.000
	Average	0.754	0.755	0.000
	Min	0.751	0.751	-0.001
	Std Dev	0.001	0.001	0.000

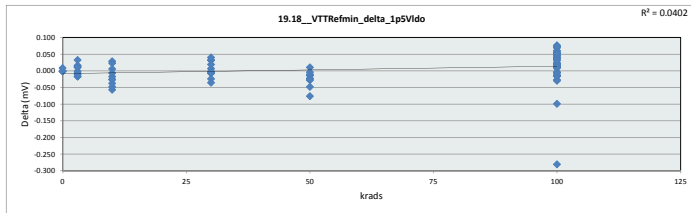


19.17_VTTRefmin_snkload_1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765 V					
Min Limit	0.725 V					
Krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.752	0.752	0.753	0.753	0.752	0.751
Average	0.754	0.755	0.755	0.755	0.755	0.754
Max	0.756	0.758	0.757	0.756	0.757	0.757
UL	0.765	0.765	0.765	0.765	0.765	0.765

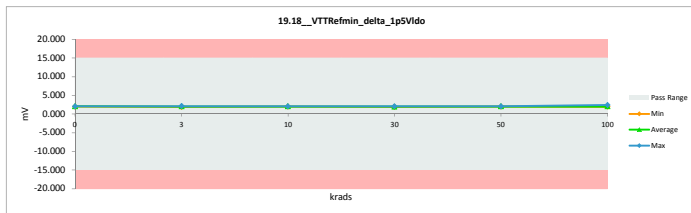


TID 100krad LDR Report
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19.18_VTTRefmin_delta_1p5Vic				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.006	2.006	0.000
3	A79_Biased	2.018	2.004	0.014
3	A80_Biased	2.013	2.013	0.000
3	B1_Biased	2.067	2.073	-0.006
3	B2_Biased	2.083	2.099	-0.016
3	C1_Biased	2.034	2.051	-0.017
3	A82_Unbiased	1.959	1.926	0.033
3	A85_Unbiased	2.017	2.005	0.012
3	B4_Unbiased	2.135	2.118	0.017
3	B5_Unbiased	2.082	2.071	0.011
3	C2_Unbiased	2.051	2.061	-0.010
10	A85_Biased	2.056	2.050	0.006
10	A86_Biased	2.026	2.012	-0.006
10	B6_Biased	2.023	2.040	-0.017
10	C3_Biased	2.020	2.076	-0.056
10	C4_Biased	1.995	2.042	-0.047
10	A87_Unbiased	2.006	2.012	-0.006
10	A88_Unbiased	2.054	2.025	0.029
10	B7_Unbiased	2.073	2.049	0.024
10	C5_Unbiased	2.007	2.044	-0.037
10	C6_Unbiased	1.980	2.005	-0.025
0	106_Corr	2.079	2.070	0.009
30	A89_Biased	1.975	1.998	-0.023
30	B8_Biased	2.072	2.040	0.032
30	B9_Biased	2.063	2.030	0.033
30	C7_Biased	2.049	2.056	-0.007
30	C9_Biased	2.056	2.049	0.007
30	A90_Unbiased	1.931	1.932	-0.001
30	B10_Unbiased	2.058	2.017	0.041
30	B11_Unbiased	2.061	2.041	0.020
30	C11_Unbiased	2.020	2.055	-0.035
30	C12_Unbiased	2.051	2.055	-0.004
0	106_Corr	2.102	2.102	0.000
0	15B_Corr	2.047	2.047	0.000
50	A92_Biased	2.026	2.051	-0.025
50	A93_Biased	2.069	2.049	-0.013
50	B12_Biased	2.026	2.039	-0.013
50	B13_Biased	2.026	2.101	-0.075
50	C14_Biased	2.028	2.075	-0.047
50	A95_Unbiased	2.022	2.032	-0.010
50	A96_Unbiased	2.073	2.095	-0.022
50	B15_Unbiased	1.997	1.986	0.011
50	B16_Unbiased	2.038	2.041	-0.003
50	C15_Unbiased	1.993	2.020	-0.027
0	106_Corr	2.079	2.070	0.009
100	A97_Biased	2.036	1.966	0.070
100	A99_Biased	2.043	2.003	0.040
100	A100_Biased	1.990	2.016	-0.026
100	A101_Biased	2.113	2.052	0.061
100	A102_Biased	2.101	2.059	0.042
100	A104_Biased	2.038	1.965	0.073
100	A105_Biased	2.008	1.986	0.022
100	B17_Biased	2.122	2.068	0.054
100	B18_Biased	2.084	2.100	-0.016
100	B19_Biased	2.075	2.028	0.047
100	B20_Biased	2.051	2.026	0.025
100	B21_Biased	2.066	2.029	0.037
100	B24_Biased	2.069	2.015	0.054
100	B25_Biased	2.090	2.013	0.077
100	B26_Biased	2.020	2.049	-0.029
100	C16_Biased	1.992	2.005	-0.013
100	C17_Biased	2.044	2.006	0.038
100	C18_Biased	2.021	2.024	-0.003
100	C19_Biased	2.074	2.064	0.010
100	C25_Biased	1.989	2.003	-0.014
100	C26_Biased	2.085	2.071	0.014
100	C31_Biased	2.045	2.058	-0.013
100	A107_Unbiased	2.072	2.051	0.021
100	A108_Unbiased	2.063	2.016	0.047
100	A109_Unbiased	1.960	1.965	-0.005
100	A110_Unbiased	2.060	2.009	0.051
100	A111_Unbiased	2.074	2.014	0.060
100	A112_Unbiased	2.025	2.012	0.013
100	A113_Unbiased	2.021	1.988	0.033
100	B27_Unbiased	2.133	2.413	-0.280
100	B29_Unbiased	1.924	2.022	-0.098
100	B30_Unbiased	2.143	2.091	0.052
100	B31_Unbiased	2.063	1.988	0.075
100	B32_Unbiased	2.084	2.038	0.046
100	B33_Unbiased	2.021	2.025	-0.004
100	B34_Unbiased	2.037	2.050	-0.013
100	B35_Unbiased	2.041	1.988	0.053
100	C32_Unbiased	2.021	2.005	0.016
100	C33_Unbiased	2.053	2.032	0.021
100	C34_Unbiased	2.042	2.046	-0.004
100	C35_Unbiased	2.058	2.049	0.009
100	C36_Unbiased	2.079	2.065	0.014
100	C37_Unbiased	1.980	1.968	0.012
100	C38_Unbiased	2.064	2.033	0.031
	Max	2.143	2.077	0.066
	Average	2.043	2.038	0.005
	Min	1.924	1.926	-0.280
	Std Dev	0.042	0.055	0.045

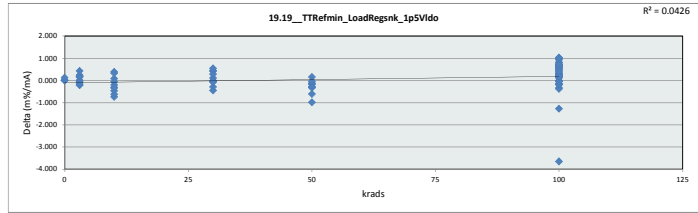


19.18_VTTRefmin_delta_1p5Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	LL	Min	Average	Max	UL	UL
0	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
3	2.066	1.926	2.005	1.932	1.986	1.965
10	2.061	2.042	2.039	2.027	2.051	2.034
30	2.102	2.118	2.076	2.056	2.101	2.413
50	15.000	15.000	15.000	15.000	15.000	15.000

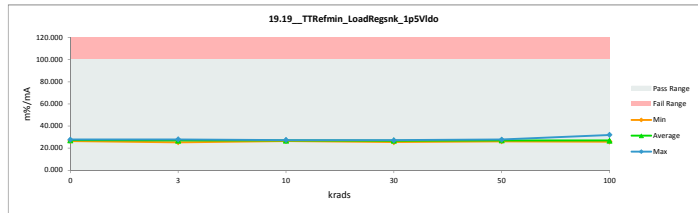


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19_19_TTRefmin_LoadReqsnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	26.478	26.478	0.000
3	A79_Biased	26.572	26.381	0.191
3	A80_Biased	26.562	26.558	0.004
3	B1_Biased	27.277	27.352	-0.075
3	B2_Biased	27.642	27.854	-0.212
3	C1_Biased	26.887	27.101	-0.214
3	A82_Unbiased	25.847	25.418	0.429
3	A83_Unbiased	26.583	26.422	0.161
3	B4_Unbiased	28.209	27.978	0.231
3	B5_Unbiased	27.529	27.378	0.151
3	C2_Unbiased	27.075	27.194	-0.119
10	A85_Biased	27.240	27.159	0.071
10	A86_Biased	26.784	27.107	-0.323
10	B6_Biased	26.684	26.897	-0.213
10	C3_Biased	26.693	27.435	-0.742
10	C4_Biased	26.318	26.942	-0.624
10	A87_Unbiased	26.573	26.546	-0.073
10	A88_Unbiased	27.075	26.701	0.374
10	B7_Unbiased	27.415	27.094	0.321
10	C5_Unbiased	26.495	26.973	-0.478
10	C6_Unbiased	26.237	26.577	-0.340
0	106_Corr	27.475	27.475	0.000
30	A89_Biased	26.134	26.427	-0.293
30	B8_Biased	27.323	26.895	0.428
30	B9_Biased	27.297	26.869	0.428
30	C7_Biased	27.109	27.192	-0.083
30	C9_Biased	27.207	27.101	0.106
30	A90_Unbiased	25.483	25.497	-0.014
30	B10_Unbiased	27.239	26.695	0.544
30	B11_Unbiased	27.225	26.949	0.276
30	C11_Unbiased	26.703	27.165	-0.462
30	C12_Unbiased	27.120	27.175	-0.055
0	106_Corr	27.780	27.780	0.000
0	158_Corr	27.140	27.140	0.000
50	A92_Biased	26.748	27.073	-0.325
50	A93_Biased	27.142	27.315	-0.173
50	B12_Biased	26.824	26.995	-0.171
50	B13_Biased	26.820	27.810	-0.990
50	C14_Biased	26.813	27.423	-0.610
50	A95_Unbiased	26.811	26.938	-0.127
50	A96_Unbiased	27.397	27.680	-0.283
50	B15_Unbiased	26.337	26.190	0.147
50	B16_Unbiased	26.977	27.013	-0.036
50	C15_Unbiased	26.298	26.622	-0.324
0	106_Corr	27.475	27.475	0.000
100	A97_Biased	26.933	26.004	0.929
100	A99_Biased	26.994	26.445	0.549
100	A100_Biased	26.406	26.748	-0.342
100	A101_Biased	27.908	27.092	0.816
100	A102_Biased	27.726	27.152	0.574
100	A104_Biased	26.925	25.959	0.966
100	A105_Biased	26.608	26.298	0.310
100	B17_Biased	28.039	27.313	0.726
100	B18_Biased	27.671	27.872	-0.201
100	B19_Biased	27.494	26.865	0.629
100	B20_Biased	27.088	26.758	0.330
100	B21_Biased	27.279	26.787	0.492
100	B24_Biased	27.417	26.695	0.722
100	B25_Biased	27.658	26.632	1.026
100	B26_Biased	26.821	27.203	-0.382
100	C16_Biased	26.288	26.447	-0.159
100	C17_Biased	27.011	26.498	0.513
100	C18_Biased	26.674	26.691	-0.017
100	C19_Biased	27.426	27.303	0.123
100	C25_Biased	26.310	26.481	-0.171
100	C26_Biased	27.539	27.337	0.202
100	C31_Biased	26.962	27.124	-0.162
100	A107_Unbiased	27.390	27.106	0.284
100	A108_Unbiased	27.255	26.626	0.629
100	A109_Unbiased	25.869	25.920	-0.051
100	A110_Unbiased	27.195	26.518	0.677
100	A111_Unbiased	27.408	26.805	0.603
100	A112_Unbiased	26.716	26.530	0.186
100	A113_Unbiased	26.668	26.237	0.431
100	B27_Unbiased	28.274	31.932	-3.658
100	B29_Unbiased	25.425	26.709	-1.284
100	B30_Unbiased	28.348	27.655	0.693
100	B31_Unbiased	27.273	26.268	1.005
100	B32_Unbiased	27.543	26.929	0.614
100	B33_Unbiased	26.777	26.814	-0.037
100	B34_Unbiased	26.958	27.137	-0.179
100	B35_Unbiased	27.039	26.345	0.694
100	C32_Unbiased	26.753	26.538	0.215
100	C33_Unbiased	27.135	26.855	0.280
100	C34_Unbiased	27.011	27.047	-0.036
100	C35_Unbiased	27.249	27.131	0.118
100	C36_Unbiased	27.450	27.250	0.200
100	C37_Unbiased	26.240	26.066	0.174
100	C38_Unbiased	27.282	26.868	0.414
	Max	28.348	31.932	1.026
	Average	27.005	26.935	0.070
	Min	25.425	25.418	-3.658
	Std Dev	0.558	0.730	0.592

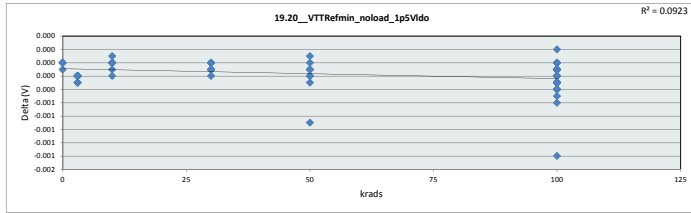


19_19_TTRefmin_LoadReqsnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	26.478	25.418	26.577	25.497	26.190	25.920
Average	27.247	26.964	26.954	26.797	27.106	26.882
Max	27.780	27.978	27.435	27.192	27.810	31.932
UL	100.000	100.000	100.000	100.000	100.000	100.000

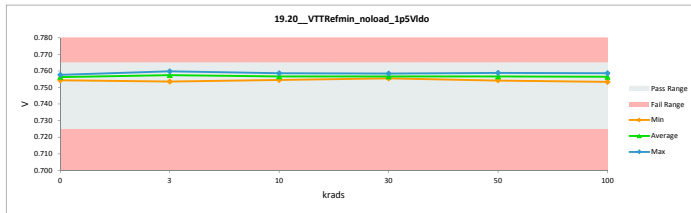


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19_20_VTTRefmin_noload_1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.758	0.758	0.000
3	A79_Biased	0.759	0.760	0.000
3	A80_Biased	0.758	0.758	0.000
3	B1_Biased	0.758	0.758	0.000
3	B2_Biased	0.753	0.754	0.000
3	C1_Biased	0.756	0.757	0.000
3	A82_Unbiased	0.758	0.758	0.000
3	A83_Unbiased	0.759	0.759	0.000
3	B4_Unbiased	0.757	0.757	0.000
3	B5_Unbiased	0.756	0.757	0.000
3	C2_Unbiased	0.758	0.758	0.000
10	A85_Biased	0.755	0.754	0.000
10	A86_Biased	0.757	0.757	0.000
10	B6_Biased	0.758	0.758	0.000
10	C3_Biased	0.757	0.757	0.000
10	C4_Biased	0.758	0.758	0.000
10	A87_Unbiased	0.755	0.755	0.000
10	A88_Unbiased	0.758	0.758	0.000
10	B7_Unbiased	0.756	0.756	0.000
10	C5_Unbiased	0.758	0.758	0.000
10	C6_Unbiased	0.754	0.754	0.000
0	106_Corr	0.757	0.757	0.000
30	A89_Biased	0.756	0.756	0.000
30	B8_Biased	0.758	0.758	0.000
30	B9_Biased	0.756	0.756	0.000
30	C7_Biased	0.756	0.756	0.000
30	C9_Biased	0.756	0.756	0.000
30	A90_Unbiased	0.758	0.758	0.000
30	B10_Unbiased	0.755	0.755	0.000
30	B11_Unbiased	0.757	0.757	0.000
30	C11_Unbiased	0.757	0.757	0.000
30	C12_Unbiased	0.756	0.756	0.000
0	106_Corr	0.757	0.757	0.000
0	15B_Corr	0.754	0.754	0.000
50	A92_Biased	0.757	0.757	0.000
50	A93_Biased	0.757	0.757	0.000
50	B12_Biased	0.755	0.755	0.000
50	B13_Biased	0.755	0.756	0.000
50	C14_Biased	0.756	0.757	0.000
50	A95_Unbiased	0.754	0.754	0.000
50	A96_Unbiased	0.757	0.757	0.000
50	B15_Unbiased	0.758	0.758	0.000
50	B16_Unbiased	0.756	0.756	0.000
50	C15_Unbiased	0.758	0.759	-0.001
0	106_Corr	0.757	0.757	0.000
100	A97_Biased	0.756	0.756	0.000
100	A99_Biased	0.757	0.757	0.000
100	A100_Biased	0.753	0.754	0.000
100	A101_Biased	0.757	0.757	0.000
100	A102_Biased	0.758	0.758	0.000
100	A104_Biased	0.757	0.757	0.000
100	A105_Biased	0.755	0.755	0.000
100	B17_Biased	0.757	0.757	0.000
100	B18_Biased	0.753	0.753	0.000
100	B19_Biased	0.755	0.755	0.000
100	B20_Biased	0.757	0.757	0.000
100	B21_Biased	0.757	0.757	0.000
100	B24_Biased	0.754	0.755	0.000
100	B25_Biased	0.756	0.756	0.000
100	B26_Biased	0.753	0.753	0.000
100	C16_Biased	0.758	0.758	0.000
100	C17_Biased	0.757	0.757	0.000
100	C18_Biased	0.758	0.758	-0.001
100	C19_Biased	0.756	0.756	0.000
100	C25_Biased	0.756	0.757	0.000
100	C26_Biased	0.757	0.757	0.000
100	C31_Biased	0.758	0.759	0.000
100	A107_Unbiased	0.757	0.757	0.000
100	A108_Unbiased	0.757	0.757	0.000
100	A109_Unbiased	0.758	0.758	0.000
100	A110_Unbiased	0.758	0.758	0.000
100	A111_Unbiased	0.757	0.757	0.000
100	A112_Unbiased	0.758	0.758	0.000
100	A113_Unbiased	0.758	0.758	0.000
100	B27_Unbiased	0.754	0.756	-0.001
100	B29_Unbiased	0.757	0.757	0.000
100	B30_Unbiased	0.756	0.756	0.000
100	B31_Unbiased	0.757	0.757	0.000
100	B32_Unbiased	0.757	0.757	0.000
100	B33_Unbiased	0.755	0.755	0.000
100	B34_Unbiased	0.756	0.756	0.000
100	B35_Unbiased	0.755	0.755	0.000
100	C32_Unbiased	0.755	0.755	0.000
100	C33_Unbiased	0.757	0.757	0.000
100	C34_Unbiased	0.756	0.756	0.000
100	C35_Unbiased	0.755	0.755	0.000
100	C36_Unbiased	0.757	0.758	0.000
100	C37_Unbiased	0.755	0.755	0.000
100	C38_Unbiased	0.757	0.757	0.000
	Max	0.759	0.760	0.000
	Average	0.756	0.757	0.000
	Min	0.753	0.753	-0.001
	Std Dev	0.001	0.001	0.000

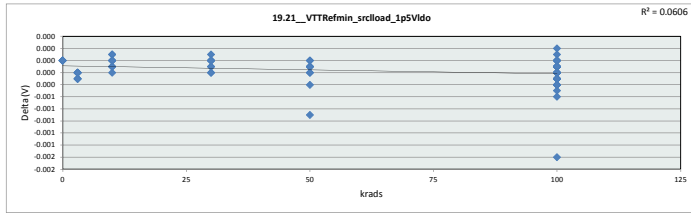


19_20_VTTRefmin_noload_1p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
Krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.754	0.754	0.755	0.755	0.754	0.753
Average	0.756	0.757	0.757	0.757	0.759	0.756
Max	0.758	0.760	0.759	0.758	0.759	0.759
UL	0.765	0.765	0.765	0.765	0.765	0.765

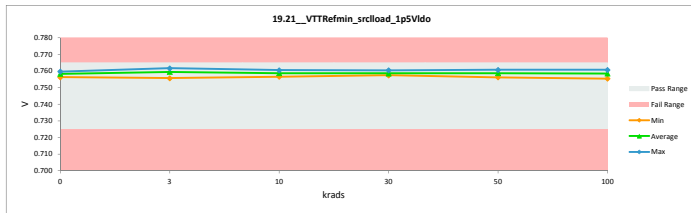


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19.21_VTTRefmin_srcload_1p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.765	0.765		
Min Limit	0.725	0.725		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.760	0.760	0.000
3	A79_Biased	0.761	0.762	0.000
3	A80_Biased	0.760	0.760	0.000
3	B1_Biased	0.760	0.760	0.000
3	B2_Biased	0.756	0.756	0.000
3	C1_Biased	0.758	0.759	0.000
3	A82_Unbiased	0.760	0.760	0.000
3	A83_Unbiased	0.761	0.761	0.000
3	B4_Unbiased	0.759	0.759	0.000
3	B5_Unbiased	0.758	0.759	0.000
3	C2_Unbiased	0.760	0.760	0.000
10	A85_Biased	0.757	0.757	0.000
10	A86_Biased	0.759	0.759	0.000
10	B6_Biased	0.760	0.760	0.000
10	C3_Biased	0.759	0.759	0.000
10	C4_Biased	0.760	0.760	0.000
10	A87_Unbiased	0.757	0.757	0.000
10	A88_Unbiased	0.761	0.761	0.000
10	B7_Unbiased	0.758	0.758	0.000
10	C5_Unbiased	0.760	0.760	0.000
10	C6_Unbiased	0.757	0.757	0.000
0	106_Corr	0.759	0.759	0.000
30	A89_Biased	0.758	0.758	0.000
30	B8_Biased	0.760	0.760	0.000
30	B9_Biased	0.758	0.758	0.000
30	C7_Biased	0.758	0.758	0.000
30	C9_Biased	0.758	0.758	0.000
30	A90_Unbiased	0.760	0.760	0.000
30	B10_Unbiased	0.757	0.757	0.000
30	B11_Unbiased	0.759	0.759	0.000
30	C11_Unbiased	0.759	0.759	0.000
30	C12_Unbiased	0.758	0.758	0.000
0	106_Corr	0.759	0.759	0.000
0	15B_Corr	0.756	0.756	0.000
50	A92_Biased	0.760	0.760	0.000
50	A93_Biased	0.760	0.760	0.000
50	B12_Biased	0.757	0.757	0.000
50	B13_Biased	0.757	0.758	0.000
50	C14_Biased	0.758	0.759	0.000
50	A95_Unbiased	0.756	0.756	0.000
50	A96_Unbiased	0.759	0.759	0.000
50	B15_Unbiased	0.760	0.760	0.000
50	B16_Unbiased	0.758	0.758	0.000
50	C15_Unbiased	0.760	0.761	-0.001
0	106_Corr	0.759	0.759	0.000
100	A97_Biased	0.758	0.758	0.000
100	A99_Biased	0.759	0.759	0.000
100	A100_Biased	0.756	0.756	0.000
100	A101_Biased	0.759	0.759	0.000
100	A102_Biased	0.760	0.760	0.000
100	A104_Biased	0.759	0.759	0.000
100	A105_Biased	0.757	0.757	0.000
100	B17_Biased	0.759	0.759	0.000
100	B18_Biased	0.755	0.755	0.000
100	B19_Biased	0.757	0.757	0.000
100	B20_Biased	0.759	0.759	0.000
100	B21_Biased	0.759	0.759	0.000
100	B24_Biased	0.757	0.757	0.000
100	B25_Biased	0.758	0.758	0.000
100	B26_Biased	0.755	0.755	0.000
100	C16_Biased	0.760	0.760	0.000
100	C17_Biased	0.759	0.759	0.000
100	C18_Biased	0.760	0.760	-0.001
100	C19_Biased	0.758	0.758	0.000
100	C25_Biased	0.758	0.758	0.000
100	C26_Biased	0.759	0.760	0.000
100	C31_Biased	0.761	0.761	0.000
100	A107_Unbiased	0.758	0.759	0.000
100	A108_Unbiased	0.759	0.759	0.000
100	A109_Unbiased	0.760	0.760	0.000
100	A110_Unbiased	0.760	0.760	0.000
100	A111_Unbiased	0.759	0.759	0.000
100	A112_Unbiased	0.760	0.760	0.000
100	A113_Unbiased	0.760	0.760	0.000
100	B27_Unbiased	0.757	0.758	-0.002
100	B29_Unbiased	0.758	0.759	-0.001
100	B30_Unbiased	0.758	0.758	0.000
100	B31_Unbiased	0.759	0.759	0.000
100	B32_Unbiased	0.759	0.759	0.000
100	B33_Unbiased	0.757	0.757	0.000
100	B34_Unbiased	0.758	0.758	0.000
100	B35_Unbiased	0.757	0.757	0.000
100	C32_Unbiased	0.757	0.757	0.000
100	C33_Unbiased	0.758	0.759	0.000
100	C34_Unbiased	0.758	0.758	0.000
100	C35_Unbiased	0.757	0.757	0.000
100	C36_Unbiased	0.760	0.760	0.000
100	C37_Unbiased	0.757	0.757	0.000
100	C38_Unbiased	0.759	0.759	0.000
	Max	0.761	0.762	0.000
	Average	0.758	0.759	0.000
	Min	0.755	0.755	-0.002
	Std Dev	0.001	0.001	0.000

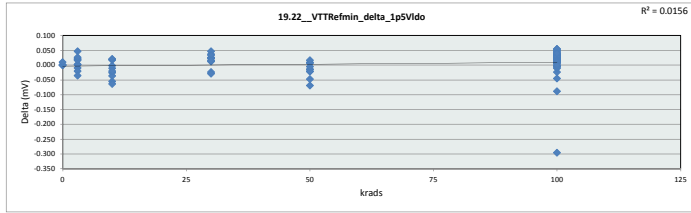


19.21_VTTRefmin_srcload_1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.765	V				
Min Limit	0.725	V				
krads	0	3	10	30	50	100
LL	0.725	0.725	0.725	0.725	0.725	0.725
Min	0.756	0.756	0.757	0.757	0.756	0.755
Average	0.758	0.759	0.759	0.759	0.759	0.758
Max	0.760	0.762	0.761	0.760	0.761	0.761
UL	0.765	0.765	0.765	0.765	0.765	0.765

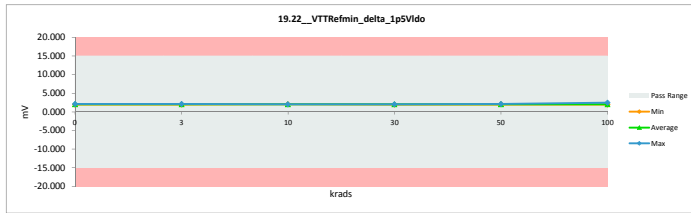


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19.22_VTTRefmin_delta_1p5Vt				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.967	1.967	0.000
3	A79_Biased	2.028	2.027	0.001
3	A80_Biased	2.040	1.994	0.046
3	B1_Biased	2.059	2.069	-0.010
3	B2_Biased	2.088	2.066	0.022
3	C1_Biased	2.034	2.054	-0.020
3	A82_Unbiased	1.990	1.972	0.018
3	A83_Unbiased	2.003	2.001	0.002
3	B4_Unbiased	2.136	2.120	0.016
3	B5_Unbiased	2.080	2.054	0.026
3	C2_Unbiased	2.052	2.088	-0.036
10	A85_Biased	2.089	2.072	0.017
10	A86_Biased	2.013	2.039	-0.026
10	B6_Biased	2.033	2.044	-0.011
10	C3_Biased	2.011	2.066	-0.055
10	C4_Biased	1.999	2.063	-0.064
10	A87_Unbiased	2.025	2.027	-0.002
10	A88_Unbiased	2.039	2.021	0.018
10	B7_Unbiased	2.062	2.041	0.021
10	C5_Unbiased	1.992	2.029	-0.037
10	C6_Unbiased	2.005	2.025	-0.020
0	106_Corr	2.066	2.066	0.000
30	A89_Biased	1.959	1.937	0.022
30	B8_Biased	2.079	2.042	0.037
30	B9_Biased	2.086	2.061	0.025
30	C7_Biased	2.027	2.051	-0.024
30	C9_Biased	2.004	1.992	0.012
30	A90_Unbiased	1.994	1.969	0.025
30	B10_Unbiased	2.084	2.037	0.047
30	B11_Unbiased	2.067	2.034	0.033
30	C11_Unbiased	2.014	2.043	-0.029
30	C12_Unbiased	2.046	2.031	0.015
0	106_Corr	2.090	2.090	0.000
0	15B_Corr	2.061	2.061	0.000
50	A92_Biased	2.003	2.025	-0.022
50	A93_Biased	2.042	2.056	-0.014
50	B12_Biased	2.024	2.039	-0.015
50	B13_Biased	2.052	2.121	-0.069
50	C14_Biased	2.013	2.060	-0.047
50	A95_Unbiased	2.054	2.045	0.009
50	A96_Unbiased	2.065	2.087	-0.022
50	B15_Unbiased	1.999	2.004	-0.005
50	B16_Unbiased	2.064	2.058	0.006
50	C15_Unbiased	2.025	2.009	0.016
0	106_Corr	2.056	2.056	0.000
100	A97_Biased	1.988	1.961	0.027
100	A99_Biased	2.027	2.000	0.027
100	A100_Biased	2.017	1.993	0.024
100	A101_Biased	2.095	2.037	0.058
100	A102_Biased	2.096	2.062	0.034
100	A104_Biased	2.035	1.986	0.049
100	A105_Biased	2.008	1.984	0.024
100	B17_Biased	2.114	2.067	0.047
100	B18_Biased	2.084	2.065	0.019
100	B19_Biased	2.094	2.053	0.041
100	B20_Biased	2.056	2.025	0.031
100	B21_Biased	2.050	2.035	0.015
100	B24_Biased	2.079	2.045	0.034
100	B25_Biased	2.047	2.038	0.009
100	B26_Biased	2.029	2.010	0.019
100	C16_Biased	2.021	2.005	0.016
100	C17_Biased	2.012	2.007	0.005
100	C18_Biased	2.017	2.004	0.013
100	C19_Biased	2.046	2.070	-0.024
100	C25_Biased	1.973	1.984	-0.011
100	C26_Biased	2.070	2.046	0.024
100	C31_Biased	2.041	2.086	-0.045
100	A107_Unbiased	2.071	2.055	0.016
100	A108_Unbiased	2.069	2.015	0.054
100	A109_Unbiased	2.007	1.992	0.015
100	A110_Unbiased	2.033	1.993	0.040
100	A111_Unbiased	2.069	2.015	0.054
100	A112_Unbiased	2.034	1.997	0.037
100	A113_Unbiased	2.020	1.984	0.036
100	B27_Unbiased	2.151	2.447	-0.296
100	B29_Unbiased	1.907	1.996	-0.089
100	B30_Unbiased	2.005	2.086	-0.081
100	B31_Unbiased	2.049	2.014	0.035
100	B32_Unbiased	2.079	2.043	0.036
100	B33_Unbiased	2.043	2.021	0.022
100	B34_Unbiased	2.057	2.046	0.011
100	B35_Unbiased	2.054	2.025	0.029
100	C32_Unbiased	2.018	2.004	0.014
100	C33_Unbiased	2.048	2.054	-0.006
100	C34_Unbiased	2.037	2.027	0.010
100	C35_Unbiased	2.078	2.038	0.040
100	C36_Unbiased	2.069	2.070	-0.001
100	C37_Unbiased	1.977	1.982	-0.005
100	C38_Unbiased	2.054	2.054	0.000
	Max	2.151	2.447	0.054
	Average	2.042	2.038	0.005
	Min	1.907	1.937	-0.296
	Std Dev	0.040	0.056	0.043

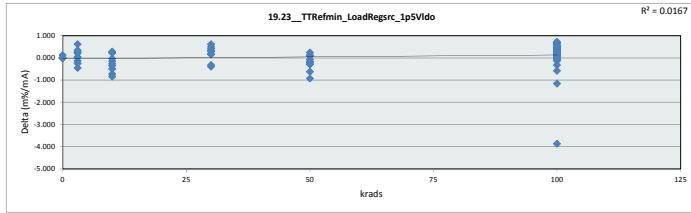


19.22_VTTRefmin_delta_1p5Vt						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	LL	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	1.967	1.972	2.021	1.937	2.004	1.961
Average	2.048	2.045	2.043	2.020	2.050	2.035
Max	2.090	2.120	2.072	2.061	2.121	2.447
UL	15.000	15.000	15.000	15.000	15.000	15.000

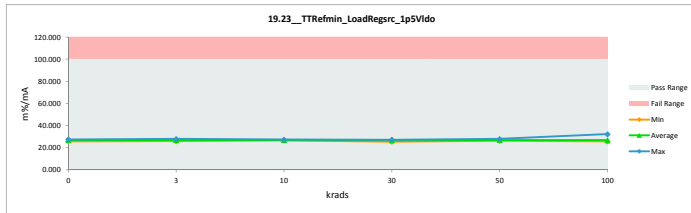


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19.23_TTRefmin_LoadRegrsc_1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	25.968	25.968	0.000
3	A79_Biased	26.705	26.677	0.028
3	A80_Biased	26.926	26.304	0.622
3	B1_Biased	27.172	27.302	-0.130
3	B2_Biased	27.713	27.420	0.293
3	C1_Biased	26.897	27.141	-0.244
3	A82_Unbiased	26.267	26.021	0.246
3	A83_Unbiased	26.401	26.366	0.035
3	B4_Unbiased	28.230	28.015	0.215
3	B5_Unbiased	27.507	27.156	0.351
3	C2_Unbiased	27.087	27.541	-0.454
10	A85_Biased	27.690	27.458	0.232
10	A86_Biased	26.607	26.952	-0.345
10	B6_Biased	26.811	26.956	-0.145
10	C3_Biased	26.576	27.293	-0.717
10	C4_Biased	26.378	27.219	-0.841
10	A87_Unbiased	26.824	26.853	-0.029
10	A88_Unbiased	26.888	26.643	0.245
10	B7_Unbiased	27.271	26.986	0.285
10	C5_Unbiased	26.289	26.787	-0.498
10	C6_Unbiased	26.572	26.835	-0.263
0	106_Corr	27.305	27.305	0.000
30	A89_Biased	25.921	25.621	0.300
30	B8_Biased	27.422	26.922	0.500
30	B9_Biased	27.613	27.274	0.339
30	C7_Biased	26.807	27.119	-0.312
30	C9_Biased	26.876	26.852	0.024
30	A90_Unbiased	26.313	25.984	0.329
30	B10_Unbiased	27.586	26.963	0.623
30	B11_Unbiased	27.295	26.862	0.433
30	C11_Unbiased	26.618	27.003	-0.385
30	C12_Unbiased	27.048	26.854	0.194
0	106_Corr	27.628	27.628	0.000
0	15B_Corr	27.319	27.319	0.000
50	A92_Biased	26.437	26.726	-0.289
50	A93_Biased	26.864	27.139	-0.175
50	B12_Biased	26.796	26.988	-0.192
50	B13_Biased	27.160	28.077	-0.917
50	C14_Biased	26.609	27.228	-0.619
50	A95_Unbiased	27.240	27.117	0.123
50	A96_Unbiased	27.299	27.576	-0.277
50	B15_Unbiased	26.361	26.429	-0.068
50	B16_Unbiased	27.313	27.233	0.080
50	C15_Unbiased	26.727	26.482	0.245
0	106_Corr	27.305	27.173	0.132
100	A97_Biased	26.303	25.938	0.365
100	A99_Biased	26.772	26.414	0.358
100	A100_Biased	26.768	26.436	0.332
100	A101_Biased	27.672	27.179	0.493
100	A102_Biased	27.456	27.192	0.464
100	A104_Biased	26.887	26.246	0.641
100	A105_Biased	26.608	26.276	0.332
100	B17_Biased	27.935	27.299	0.636
100	B18_Biased	27.675	27.406	0.269
100	B19_Biased	27.754	27.200	0.554
100	B20_Biased	27.161	26.739	0.422
100	B21_Biased	27.075	26.867	0.208
100	B24_Biased	27.550	27.095	0.455
100	B25_Biased	27.077	26.973	0.104
100	B26_Biased	26.946	26.685	0.261
100	C16_Biased	26.671	26.454	0.217
100	C17_Biased	26.590	26.522	0.068
100	C18_Biased	26.625	26.434	0.191
100	C19_Biased	27.062	27.375	-0.313
100	C25_Biased	26.089	26.227	-0.138
100	C26_Biased	27.343	27.013	0.330
100	C31_Biased	26.910	27.492	-0.582
100	A107_Unbiased	27.381	27.140	0.221
100	A108_Unbiased	27.339	26.619	0.720
100	A109_Unbiased	26.487	26.286	0.201
100	A110_Unbiased	26.835	26.308	0.527
100	A111_Unbiased	27.336	26.616	0.720
100	A112_Unbiased	26.831	26.334	0.497
100	A113_Unbiased	26.661	26.182	0.479
100	B27_Unbiased	28.514	32.371	-3.857
100	B29_Unbiased	25.207	26.366	-1.159
100	B30_Unbiased	27.858	27.588	0.270
100	B31_Unbiased	27.083	26.605	0.478
100	B32_Unbiased	27.471	27.000	0.471
100	B33_Unbiased	27.059	26.765	0.294
100	B34_Unbiased	27.232	27.073	0.159
100	B35_Unbiased	27.213	26.833	0.380
100	C32_Unbiased	26.718	26.534	0.184
100	C33_Unbiased	27.068	27.146	-0.078
100	C34_Unbiased	26.943	26.793	0.150
100	C35_Unbiased	27.526	26.990	0.536
100	C36_Unbiased	27.319	27.317	0.002
100	C37_Unbiased	26.198	26.248	-0.050
100	C38_Unbiased	27.154	27.142	0.012
	Max	28.514	32.371	0.720
	Average	26.993	26.933	0.067
	Min	25.207	25.621	-3.857
	Std Dev	0.535	0.752	0.564

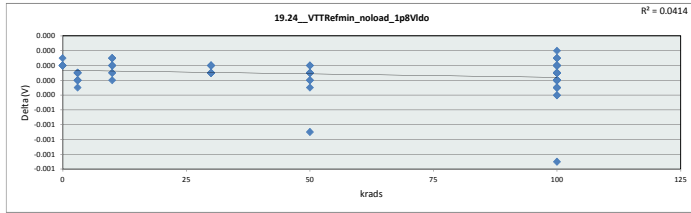


19.23_TTRefmin_LoadRegrsc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	25.968	26.021	26.643	25.621	26.429	25.938
Average	27.079	26.994	26.998	26.695	27.100	26.903
Max	27.628	28.015	27.458	27.274	28.077	32.371
UL	100.000	100.000	100.000	100.000	100.000	100.000

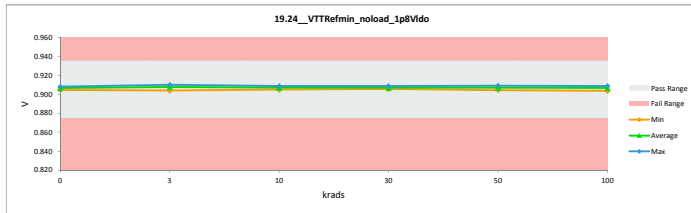


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19_24_VTTRefmin_noload_1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.908	0.908	0.000
3	A79_Biased	0.910	0.910	0.000
3	A80_Biased	0.908	0.908	0.000
3	B1_Biased	0.908	0.908	0.000
3	B2_Biased	0.904	0.904	0.000
3	C1_Biased	0.907	0.907	0.000
3	A82_Unbiased	0.908	0.908	0.000
3	A83_Unbiased	0.909	0.909	0.000
3	B4_Unbiased	0.907	0.907	0.000
3	B5_Unbiased	0.906	0.907	0.000
3	C2_Unbiased	0.908	0.908	0.000
10	A85_Biased	0.905	0.905	0.000
10	A86_Biased	0.907	0.907	0.000
10	B6_Biased	0.909	0.909	0.000
10	C3_Biased	0.907	0.907	0.000
10	C4_Biased	0.908	0.908	0.000
10	A87_Unbiased	0.905	0.905	0.000
10	A88_Unbiased	0.909	0.909	0.000
10	B7_Unbiased	0.906	0.906	0.000
10	C5_Unbiased	0.908	0.908	0.000
10	C6_Unbiased	0.905	0.905	0.000
0	106_Corr	0.907	0.907	0.000
30	A89_Biased	0.906	0.906	0.000
30	B8_Biased	0.909	0.909	0.000
30	B9_Biased	0.906	0.906	0.000
30	C7_Biased	0.906	0.906	0.000
30	C9_Biased	0.906	0.906	0.000
30	A90_Unbiased	0.908	0.908	0.000
30	B10_Unbiased	0.906	0.906	0.000
30	B11_Unbiased	0.907	0.908	0.000
30	C11_Unbiased	0.907	0.907	0.000
30	C12_Unbiased	0.906	0.907	0.000
0	106_Corr	0.907	0.907	0.000
0	15B_Corr	0.905	0.905	0.000
50	A92_Biased	0.908	0.908	0.000
50	A93_Biased	0.908	0.908	0.000
50	B12_Biased	0.905	0.906	0.000
50	B13_Biased	0.906	0.906	0.000
50	C14_Biased	0.907	0.907	0.000
50	A95_Unbiased	0.904	0.904	0.000
50	A96_Unbiased	0.907	0.907	0.000
50	B15_Unbiased	0.909	0.909	0.000
50	B16_Unbiased	0.906	0.906	0.000
50	C15_Unbiased	0.908	0.909	-0.001
0	106_Corr	0.907	0.907	0.000
100	A97_Biased	0.906	0.906	0.000
100	A99_Biased	0.907	0.907	0.000
100	A100_Biased	0.904	0.904	0.000
100	A101_Biased	0.907	0.907	0.000
100	A102_Biased	0.908	0.908	0.000
100	A104_Biased	0.907	0.907	0.000
100	A105_Biased	0.905	0.905	0.000
100	B17_Biased	0.907	0.907	0.000
100	B18_Biased	0.904	0.904	0.000
100	B19_Biased	0.905	0.905	0.000
100	B20_Biased	0.907	0.907	0.000
100	B21_Biased	0.908	0.907	0.000
100	B24_Biased	0.905	0.905	0.000
100	B25_Biased	0.906	0.906	0.000
100	B26_Biased	0.903	0.904	0.000
100	C16_Biased	0.908	0.908	0.000
100	C17_Biased	0.907	0.907	0.000
100	C18_Biased	0.908	0.908	0.000
100	C19_Biased	0.906	0.906	0.000
100	C25_Biased	0.906	0.907	0.000
100	C26_Biased	0.907	0.908	0.000
100	C31_Biased	0.909	0.909	0.000
100	A107_Unbiased	0.907	0.907	0.000
100	A108_Unbiased	0.907	0.907	0.000
100	A109_Unbiased	0.908	0.908	0.000
100	A110_Unbiased	0.908	0.908	0.000
100	A111_Unbiased	0.907	0.907	0.000
100	A112_Unbiased	0.908	0.908	0.000
100	A113_Unbiased	0.908	0.908	0.000
100	B27_Unbiased	0.905	0.906	-0.001
100	B29_Unbiased	0.907	0.907	0.000
100	B30_Unbiased	0.906	0.906	0.000
100	B31_Unbiased	0.907	0.907	0.000
100	B32_Unbiased	0.907	0.907	0.000
100	B33_Unbiased	0.905	0.905	0.000
100	B34_Unbiased	0.906	0.906	0.000
100	B35_Unbiased	0.905	0.905	0.000
100	C32_Unbiased	0.905	0.906	0.000
100	C33_Unbiased	0.907	0.907	0.000
100	C34_Unbiased	0.906	0.906	0.000
100	C35_Unbiased	0.905	0.905	0.000
100	C36_Unbiased	0.908	0.908	0.000
100	C37_Unbiased	0.905	0.905	0.000
100	C38_Unbiased	0.907	0.907	0.000
	Max	0.910	0.910	0.000
	Average	0.907	0.907	0.000
	Min	0.903	0.904	-0.001
	Std Dev	0.001	0.001	0.000

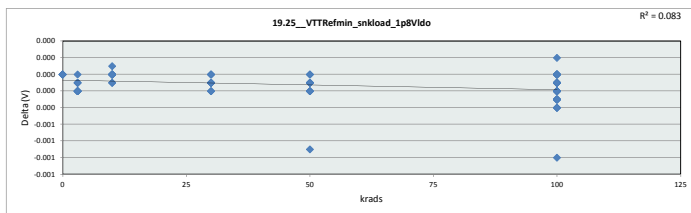


19_24_VTTRefmin_noload_1p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
Krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.905	0.904	0.905	0.906	0.904	0.904
Average	0.907	0.908	0.907	0.907	0.907	0.907
Max	0.908	0.910	0.909	0.909	0.909	0.909
UL	0.935	0.935	0.935	0.935	0.935	0.935

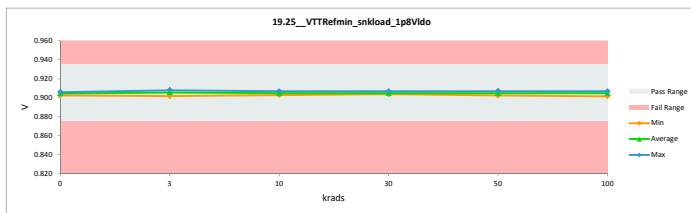


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19.25_VTTRefmin_snkload_1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.906	0.906	0.000
3	A79_Biased	0.908	0.908	0.000
3	A80_Biased	0.906	0.906	0.000
3	B1_Biased	0.906	0.906	0.000
3	B2_Biased	0.902	0.902	0.000
3	C1_Biased	0.905	0.905	0.000
3	A82_Unbiased	0.906	0.906	0.000
3	A83_Unbiased	0.907	0.907	0.000
3	B4_Unbiased	0.905	0.905	0.000
3	B5_Unbiased	0.904	0.905	0.000
3	C2_Unbiased	0.906	0.906	0.000
10	A85_Biased	0.903	0.903	0.000
10	A86_Biased	0.905	0.905	0.000
10	B6_Biased	0.906	0.906	0.000
10	C3_Biased	0.905	0.905	0.000
10	C4_Biased	0.906	0.906	0.000
10	A87_Unbiased	0.903	0.903	0.000
10	A88_Unbiased	0.907	0.907	0.000
10	B7_Unbiased	0.904	0.904	0.000
10	C5_Unbiased	0.906	0.906	0.000
10	C6_Unbiased	0.903	0.903	0.000
0	106_Corr	0.905	0.905	0.000
30	A89_Biased	0.904	0.904	0.000
30	B8_Biased	0.906	0.907	0.000
30	B9_Biased	0.904	0.904	0.000
30	C7_Biased	0.904	0.904	0.000
30	C9_Biased	0.904	0.904	0.000
30	A90_Unbiased	0.906	0.906	0.000
30	B10_Unbiased	0.904	0.904	0.000
30	B11_Unbiased	0.905	0.905	0.000
30	C11_Unbiased	0.905	0.905	0.000
30	C12_Unbiased	0.905	0.905	0.000
0	106_Corr	0.905	0.905	0.000
0	15B_Corr	0.902	0.902	0.000
50	A92_Biased	0.906	0.906	0.000
50	A93_Biased	0.906	0.906	0.000
50	B12_Biased	0.904	0.904	0.000
50	B13_Biased	0.904	0.904	0.000
50	C14_Biased	0.905	0.905	0.000
50	A95_Unbiased	0.902	0.902	0.000
50	A96_Unbiased	0.905	0.905	0.000
50	B15_Unbiased	0.906	0.907	0.000
50	B16_Unbiased	0.904	0.904	0.000
50	C15_Unbiased	0.906	0.907	-0.001
0	106_Corr	0.905	0.905	0.000
100	A97_Biased	0.904	0.904	0.000
100	A99_Biased	0.905	0.905	0.000
100	A100_Biased	0.902	0.902	0.000
100	A101_Biased	0.905	0.905	0.000
100	A102_Biased	0.906	0.906	0.000
100	A104_Biased	0.905	0.905	0.000
100	A105_Biased	0.903	0.903	0.000
100	B17_Biased	0.905	0.905	0.000
100	B18_Biased	0.901	0.901	0.000
100	B19_Biased	0.903	0.903	0.000
100	B20_Biased	0.905	0.905	0.000
100	B21_Biased	0.905	0.905	0.000
100	B24_Biased	0.903	0.903	0.000
100	B25_Biased	0.904	0.904	0.000
100	B26_Biased	0.901	0.901	0.000
100	C16_Biased	0.906	0.906	0.000
100	C17_Biased	0.905	0.905	0.000
100	C18_Biased	0.906	0.906	0.000
100	C19_Biased	0.904	0.904	0.000
100	C25_Biased	0.904	0.905	0.000
100	C26_Biased	0.905	0.906	0.000
100	C31_Biased	0.907	0.907	0.000
100	A107_Unbiased	0.905	0.905	0.000
100	A108_Unbiased	0.905	0.905	0.000
100	A109_Unbiased	0.906	0.906	0.000
100	A110_Unbiased	0.906	0.906	0.000
100	A111_Unbiased	0.905	0.905	0.000
100	A112_Unbiased	0.906	0.906	0.000
100	A113_Unbiased	0.906	0.906	0.000
100	B27_Unbiased	0.902	0.904	-0.001
100	B29_Unbiased	0.905	0.905	0.000
100	B30_Unbiased	0.904	0.904	0.000
100	B31_Unbiased	0.905	0.905	0.000
100	B32_Unbiased	0.905	0.905	0.000
100	B33_Unbiased	0.903	0.903	0.000
100	B34_Unbiased	0.904	0.904	0.000
100	B35_Unbiased	0.903	0.903	0.000
100	C32_Unbiased	0.904	0.904	0.000
100	C33_Unbiased	0.905	0.905	0.000
100	C34_Unbiased	0.904	0.905	0.000
100	C35_Unbiased	0.903	0.903	0.000
100	C36_Unbiased	0.906	0.906	0.000
100	C37_Unbiased	0.903	0.903	0.000
100	C38_Unbiased	0.905	0.905	0.000
	Max	0.908	0.908	0.000
	Average	0.905	0.905	0.000
	Min	0.901	0.901	-0.001
	Std Dev	0.001	0.001	0.000

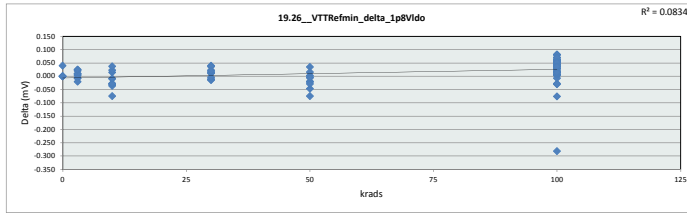


19.25_VTTRefmin_snkload_1						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.902	0.902	0.903	0.904	0.902	0.901
Average	0.904	0.906	0.905	0.905	0.905	0.905
Max	0.906	0.908	0.907	0.907	0.907	0.907
UL	0.935	0.935	0.935	0.935	0.935	0.935

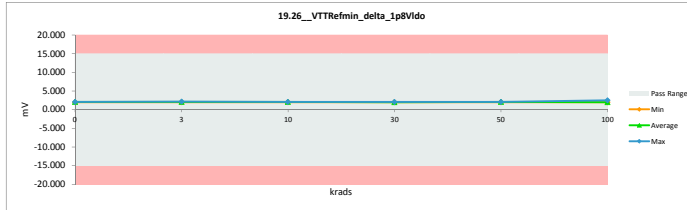


TID 100krad LDR Report
TPS7H3301-SP

19.26_VTTRefmin_delta_1p8Vtc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.951	1.951	0.000
3	A79_Biased	2.015	2.022	-0.007
3	A80_Biased	2.055	2.034	0.021
3	B1_Biased	2.080	2.070	0.010
3	B2_Biased	2.149	2.147	0.002
3	C1_Biased	2.020	2.014	0.006
3	A82_Unbiased	1.979	2.010	-0.010
3	A83_Unbiased	2.000	2.007	-0.007
3	B4_Unbiased	2.123	2.099	0.024
3	B5_Unbiased	2.074	2.048	0.026
3	C2_Unbiased	2.065	2.085	-0.020
10	A85_Biased	2.121	2.106	0.015
10	A86_Biased	2.018	2.045	-0.027
10	B6_Biased	2.026	2.057	-0.031
10	C3_Biased	2.005	2.080	-0.075
10	C4_Biased	2.027	2.063	-0.036
10	A87_Unbiased	2.048	2.058	-0.010
10	A88_Unbiased	2.045	2.022	0.023
10	B7_Unbiased	2.069	2.032	0.037
10	C5_Unbiased	2.006	2.034	-0.028
10	C6_Unbiased	2.047	2.055	-0.008
0	106_Corr	2.053	2.053	0.000
30	A89_Biased	1.964	1.953	0.011
30	B8_Biased	2.088	2.048	0.040
30	B9_Biased	2.047	2.032	0.015
30	C7_Biased	2.025	2.039	-0.014
30	C9_Biased	1.997	1.908	0.011
30	A90_Unbiased	2.007	1.984	0.023
30	B10_Unbiased	2.037	2.001	0.036
30	B11_Unbiased	2.059	2.040	0.019
30	C11_Unbiased	2.032	2.032	-0.012
30	C12_Unbiased	2.034	2.037	-0.003
0	106_Corr	2.078	2.078	0.000
0	15B_Corr	2.091	2.091	0.000
50	A92_Biased	1.997	2.019	-0.022
50	A93_Biased	2.039	2.043	-0.004
50	B12_Biased	1.981	2.000	-0.019
50	B13_Biased	2.008	2.082	-0.074
50	C14_Biased	2.009	2.056	-0.047
50	A95_Unbiased	2.078	2.075	0.003
50	A96_Unbiased	2.054	2.083	-0.029
50	B15_Unbiased	2.016	1.981	0.035
50	B16_Unbiased	2.025	2.031	-0.006
50	C15_Unbiased	2.032	2.016	0.016
0	106_Corr	2.053	2.053	0.000
100	A97_Biased	1.997	1.967	0.030
100	A99_Biased	2.016	1.959	0.057
100	A100_Biased	2.093	2.054	0.039
100	A101_Biased	2.095	2.014	0.081
100	A102_Biased	2.109	2.050	0.059
100	A104_Biased	2.036	1.966	0.070
100	A105_Biased	2.055	2.004	0.051
100	B17_Biased	2.113	2.031	0.082
100	B18_Biased	2.103	2.050	0.053
100	B19_Biased	2.133	2.087	0.046
100	B20_Biased	2.045	1.991	0.054
100	B21_Biased	2.059	2.002	0.057
100	B24_Biased	2.113	2.077	0.036
100	B25_Biased	2.045	2.042	0.003
100	B26_Biased	2.056	1.992	0.064
100	C16_Biased	2.045	2.022	0.023
100	C17_Biased	2.032	1.988	0.044
100	C18_Biased	2.015	2.009	0.006
100	C19_Biased	2.035	2.065	-0.030
100	C25_Biased	1.985	1.955	0.030
100	C26_Biased	2.079	2.025	0.054
100	C31_Biased	2.047	2.075	-0.028
100	A107_Unbiased	2.071	2.008	0.063
100	A108_Unbiased	2.049	1.987	0.062
100	A109_Unbiased	2.015	1.976	0.039
100	A110_Unbiased	2.035	1.954	0.081
100	A111_Unbiased	2.072	2.009	0.063
100	A112_Unbiased	2.046	1.988	0.058
100	A113_Unbiased	2.040	1.969	0.071
100	B27_Unbiased	2.186	2.468	-0.282
100	B29_Unbiased	1.910	1.996	-0.076
100	B30_Unbiased	2.093	2.075	0.018
100	B31_Unbiased	2.041	1.996	0.045
100	B32_Unbiased	2.078	2.026	0.052
100	B33_Unbiased	2.085	2.055	0.030
100	B34_Unbiased	2.034	2.020	0.014
100	B35_Unbiased	2.083	2.055	0.028
100	C32_Unbiased	2.004	2.011	-0.007
100	C33_Unbiased	2.037	2.029	0.008
100	C34_Unbiased	2.037	2.030	0.007
100	C35_Unbiased	2.102	2.087	0.015
100	C36_Unbiased	2.059	2.006	0.053
100	C37_Unbiased	2.024	2.009	0.015
100	C38_Unbiased	2.041	2.005	0.036
	Max	2.186	2.468	0.082
	Average	2.047	2.033	0.013
	Min	1.910	1.951	-0.282
	Std Dev	0.043	0.061	0.047

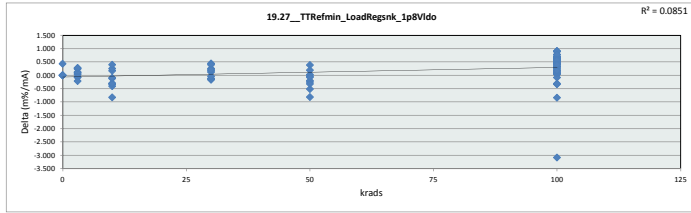


19.26_VTTRefmin_delta_1p8Vtdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	LL	Min	Average	Max	UL	
0	-15.000	1.951	2.037	2.091	15.000	
3	-15.000	1.979	2.051	2.147	15.000	
10	-15.000	2.022	2.055	2.106	15.000	
30	-15.000	1.953	2.017	2.048	15.000	
50	-15.000	1.981	2.039	2.083	15.000	
100	-15.000	1.954	2.027	2.468	15.000	

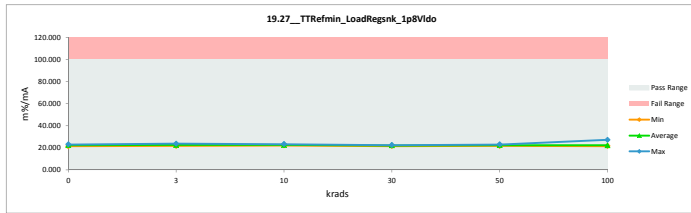


TID 100krad LDR Report
TPS7H3301-SP

19.27_TTRefmin_LoadRegrsk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	21.496	21.496	0.000
3	A79_Biased	22.152	22.223	-0.071
3	A80_Biased	22.630	22.991	0.239
3	B1_Biased	22.915	22.799	0.116
3	B2_Biased	23.777	23.754	0.023
3	C1_Biased	22.279	22.212	0.067
3	A82_Unbiased	21.908	21.788	0.120
3	A83_Unbiased	22.009	22.079	-0.070
3	B4_Unbiased	23.412	23.144	0.268
3	B5_Unbiased	22.877	22.592	0.285
3	C2_Unbiased	22.745	22.959	-0.214
10	A85_Biased	23.442	23.275	0.167
10	A86_Biased	22.540	22.546	-0.296
10	B6_Biased	22.302	22.636	-0.334
10	C3_Biased	22.104	22.931	-0.827
10	C4_Biased	22.317	22.716	-0.399
10	A87_Unbiased	22.620	22.730	-0.110
10	A88_Unbiased	22.502	22.248	0.254
10	B7_Unbiased	22.831	22.424	0.407
10	C5_Unbiased	22.093	22.403	-0.310
10	C6_Unbiased	22.626	22.715	-0.089
0	106_Corr	22.639	22.639	0.000
30	A89_Biased	21.673	21.550	0.123
30	B8_Biased	22.989	22.539	0.450
30	B9_Biased	22.597	22.430	0.167
30	C7_Biased	22.341	22.500	-0.159
30	C9_Biased	22.039	22.156	-0.117
30	A90_Unbiased	22.098	21.843	0.255
30	B10_Unbiased	22.498	22.099	0.399
30	B11_Unbiased	22.694	22.482	0.212
30	C11_Unbiased	22.278	22.409	-0.131
30	C12_Unbiased	22.443	22.469	-0.026
0	106_Corr	22.920	22.920	0.000
0	158_Corr	23.114	23.114	0.000
50	A92_Biased	22.001	22.246	-0.245
50	A93_Biased	22.465	22.502	-0.030
50	B12_Biased	21.879	22.080	-0.201
50	B13_Biased	22.172	22.983	-0.811
50	C14_Biased	22.165	22.674	-0.509
50	A95_Unbiased	22.975	22.945	0.030
50	A96_Unbiased	22.649	22.963	-0.314
50	B15_Unbiased	22.197	21.807	0.390
50	B16_Unbiased	22.356	22.419	-0.063
50	C15_Unbiased	22.376	22.180	0.196
0	106_Corr	22.639	22.639	0.000
100	A97_Biased	22.039	21.700	0.339
100	A99_Biased	22.226	21.593	0.633
100	A100_Biased	23.161	22.720	0.441
100	A101_Biased	23.091	22.191	0.900
100	A102_Biased	23.230	22.573	0.657
100	A104_Biased	22.448	21.676	0.772
100	A105_Biased	22.705	22.132	0.573
100	B17_Biased	23.299	22.387	0.912
100	B18_Biased	23.265	22.694	0.591
100	B19_Biased	23.575	23.064	0.511
100	B20_Biased	22.534	21.941	0.593
100	B21_Biased	22.688	22.065	0.623
100	B24_Biased	23.352	22.953	0.399
100	B25_Biased	22.573	22.538	0.035
100	B26_Biased	22.753	22.050	0.703
100	C16_Biased	22.521	22.259	0.262
100	C17_Biased	22.410	21.917	0.493
100	C18_Biased	22.192	22.123	0.069
100	C19_Biased	22.455	22.789	-0.334
100	C25_Biased	21.906	21.559	0.347
100	C26_Biased	22.911	22.312	0.599
100	C31_Biased	22.523	22.831	-0.308
100	A107_Unbiased	22.838	22.147	0.691
100	A108_Unbiased	22.589	21.904	0.685
100	A109_Unbiased	22.191	21.754	0.437
100	A110_Unbiased	22.420	21.531	0.889
100	A111_Unbiased	22.044	22.144	0.100
100	A112_Unbiased	22.526	21.889	0.637
100	A113_Unbiased	22.466	21.684	0.782
100	B27_Unbiased	24.165	27.242	-3.077
100	B29_Unbiased	21.040	21.890	-0.830
100	B30_Unbiased	23.103	22.897	0.206
100	B31_Unbiased	22.504	22.003	0.501
100	B32_Unbiased	22.910	22.339	0.571
100	B33_Unbiased	23.033	22.696	0.337
100	B34_Unbiased	22.244	22.299	0.157
100	B35_Unbiased	23.015	22.715	0.300
100	C32_Unbiased	22.134	22.211	-0.077
100	C33_Unbiased	22.466	22.371	0.095
100	C34_Unbiased	22.476	22.393	0.083
100	C35_Unbiased	23.216	23.044	0.172
100	C36_Unbiased	22.681	22.101	0.580
100	C37_Unbiased	22.365	22.193	0.172
100	C38_Unbiased	22.512	22.106	0.406
	Max	24.165	27.242	0.912
	Average	22.577	22.425	0.152
	Min	21.060	21.496	-3.077
	Std Dev	0.492	0.684	0.517

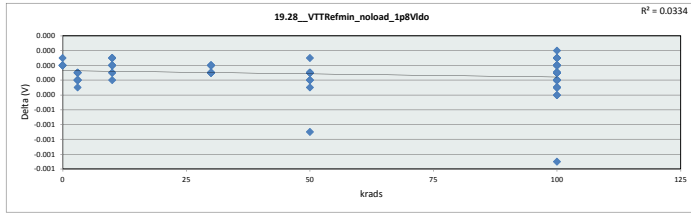


19.27_TTRefmin_LoadRegrsk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	1	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	21.496	21.788	22.248	21.550	21.807	21.531
Average	22.474	22.594	22.662	22.248	22.480	22.355
Max	23.114	23.754	23.275	22.539	22.983	27.242
UL	100.000	100.000	100.000	100.000	100.000	100.000

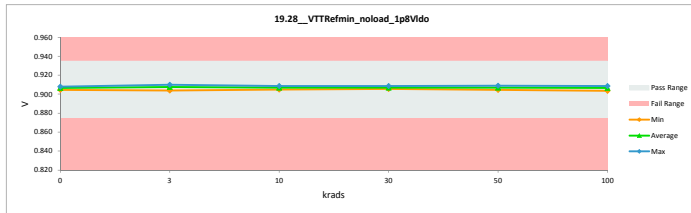


TID 100krad LDR Report
TPS7H3301-SP

19.28_VTTRefmin_noload_1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.908	0.908	0.000
3	A79_Biased	0.910	0.910	0.000
3	A80_Biased	0.908	0.908	0.000
3	B1_Biased	0.908	0.908	0.000
3	B2_Biased	0.904	0.904	0.000
3	C1_Biased	0.907	0.907	0.000
3	A82_Unbiased	0.908	0.908	0.000
3	A83_Unbiased	0.909	0.909	0.000
3	B4_Unbiased	0.907	0.907	0.000
3	B5_Unbiased	0.906	0.907	0.000
3	C2_Unbiased	0.908	0.908	0.000
10	A85_Biased	0.905	0.905	0.000
10	A86_Biased	0.907	0.907	0.000
10	B6_Biased	0.909	0.909	0.000
10	C3_Biased	0.907	0.907	0.000
10	C4_Biased	0.908	0.908	0.000
10	A87_Unbiased	0.905	0.905	0.000
10	A88_Unbiased	0.909	0.909	0.000
10	B7_Unbiased	0.906	0.906	0.000
10	C5_Unbiased	0.908	0.908	0.000
10	C6_Unbiased	0.905	0.905	0.000
0	106_Corr	0.907	0.907	0.000
30	A89_Biased	0.906	0.906	0.000
30	B8_Biased	0.909	0.909	0.000
30	B9_Biased	0.906	0.906	0.000
30	C7_Biased	0.906	0.906	0.000
30	C9_Biased	0.906	0.906	0.000
30	A90_Unbiased	0.908	0.908	0.000
30	B10_Unbiased	0.906	0.906	0.000
30	B11_Unbiased	0.907	0.908	0.000
30	C11_Unbiased	0.907	0.907	0.000
30	C12_Unbiased	0.906	0.907	0.000
0	106_Corr	0.907	0.907	0.000
0	15B_Corr	0.905	0.905	0.000
50	A92_Biased	0.908	0.908	0.000
50	A93_Biased	0.908	0.908	0.000
50	B12_Biased	0.905	0.906	0.000
50	B13_Biased	0.906	0.906	0.000
50	C14_Biased	0.907	0.907	0.000
50	A95_Unbiased	0.904	0.904	0.000
50	A96_Unbiased	0.907	0.907	0.000
50	B15_Unbiased	0.908	0.909	0.000
50	B16_Unbiased	0.906	0.906	0.000
50	C15_Unbiased	0.908	0.909	-0.001
0	106_Corr	0.907	0.907	0.000
100	A97_Biased	0.906	0.906	0.000
100	A99_Biased	0.907	0.907	0.000
100	A100_Biased	0.904	0.904	0.000
100	A101_Biased	0.907	0.907	0.000
100	A102_Biased	0.908	0.908	0.000
100	A104_Biased	0.907	0.907	0.000
100	A105_Biased	0.905	0.905	0.000
100	B17_Biased	0.907	0.907	0.000
100	B18_Biased	0.904	0.904	0.000
100	B19_Biased	0.905	0.905	0.000
100	B20_Biased	0.907	0.907	0.000
100	B21_Biased	0.908	0.907	0.000
100	B24_Biased	0.905	0.905	0.000
100	B25_Biased	0.906	0.906	0.000
100	B26_Biased	0.903	0.904	0.000
100	C16_Biased	0.908	0.908	0.000
100	C17_Biased	0.907	0.907	0.000
100	C18_Biased	0.908	0.908	0.000
100	C19_Biased	0.906	0.906	0.000
100	C25_Biased	0.906	0.907	0.000
100	C26_Biased	0.907	0.908	0.000
100	C31_Biased	0.909	0.909	0.000
100	A107_Unbiased	0.907	0.907	0.000
100	A108_Unbiased	0.907	0.907	0.000
100	A109_Unbiased	0.908	0.908	0.000
100	A110_Unbiased	0.908	0.908	0.000
100	A111_Unbiased	0.907	0.907	0.000
100	A112_Unbiased	0.908	0.908	0.000
100	A113_Unbiased	0.908	0.908	0.000
100	B27_Unbiased	0.905	0.906	-0.001
100	B29_Unbiased	0.907	0.907	0.000
100	B30_Unbiased	0.906	0.906	0.000
100	B31_Unbiased	0.907	0.907	0.000
100	B32_Unbiased	0.907	0.907	0.000
100	B33_Unbiased	0.905	0.905	0.000
100	B34_Unbiased	0.906	0.906	0.000
100	B35_Unbiased	0.905	0.905	0.000
100	C32_Unbiased	0.905	0.906	0.000
100	C33_Unbiased	0.907	0.907	0.000
100	C34_Unbiased	0.906	0.906	0.000
100	C35_Unbiased	0.905	0.905	0.000
100	C36_Unbiased	0.908	0.908	0.000
100	C37_Unbiased	0.905	0.905	0.000
100	C38_Unbiased	0.907	0.907	0.000
	Max	0.910	0.910	0.000
	Average	0.907	0.907	0.000
	Min	0.903	0.904	-0.001
	Std Dev	0.001	0.001	0.000

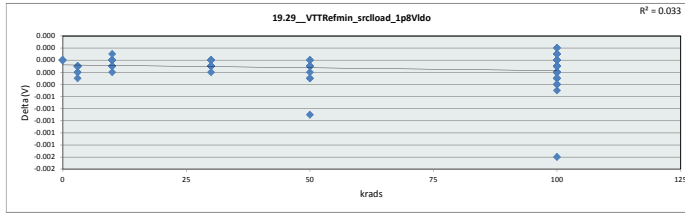


19.28_VTTRefmin_noload_1p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
krads	0	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.905	0.904	0.905	0.906	0.904	0.904
Average	0.907	0.908	0.907	0.907	0.907	0.907
Max	0.908	0.910	0.909	0.909	0.909	0.909
UL	0.935	0.935	0.935	0.935	0.935	0.935

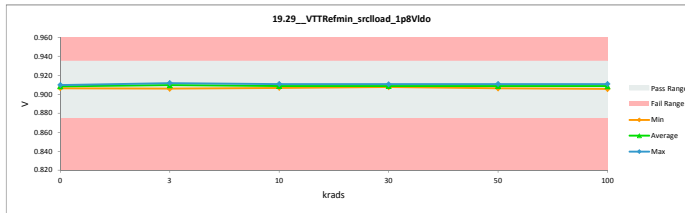


TID 100krad LDR Report
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19.29_VTTRefmin_srcload_1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.935	0.935		
Min Limit	0.875	0.875		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.910	0.910	0.000
3	A79_Biased	0.912	0.912	0.000
3	A80_Biased	0.910	0.910	0.000
3	B1_Biased	0.910	0.910	0.000
3	B2_Biased	0.906	0.906	0.000
3	C1_Biased	0.909	0.909	0.000
3	A82_Unbiased	0.910	0.910	0.000
3	A83_Unbiased	0.911	0.911	0.000
3	B4_Unbiased	0.909	0.909	0.000
3	B5_Unbiased	0.909	0.909	0.000
3	C2_Unbiased	0.910	0.910	0.000
10	A85_Biased	0.907	0.907	0.000
10	A86_Biased	0.909	0.909	0.000
10	B6_Biased	0.911	0.911	0.000
10	C3_Biased	0.909	0.909	0.000
10	C4_Biased	0.910	0.910	0.000
10	A87_Unbiased	0.907	0.907	0.000
10	A88_Unbiased	0.911	0.911	0.000
10	B7_Unbiased	0.908	0.908	0.000
10	C5_Unbiased	0.910	0.910	0.000
10	C6_Unbiased	0.907	0.907	0.000
0	106_Corr	0.909	0.909	0.000
30	A89_Biased	0.908	0.908	0.000
30	B8_Biased	0.911	0.911	0.000
30	B9_Biased	0.908	0.908	0.000
30	C7_Biased	0.908	0.909	0.000
30	C9_Biased	0.908	0.908	0.000
30	A90_Unbiased	0.910	0.910	0.000
30	B10_Unbiased	0.908	0.908	0.000
30	B11_Unbiased	0.910	0.910	0.000
30	C11_Unbiased	0.909	0.909	0.000
30	C12_Unbiased	0.909	0.909	0.000
0	106_Corr	0.909	0.909	0.000
0	15B_Corr	0.906	0.906	0.000
50	A92_Biased	0.910	0.910	0.000
50	A93_Biased	0.910	0.910	0.000
50	B12_Biased	0.908	0.908	0.000
50	B13_Biased	0.908	0.908	0.000
50	C14_Biased	0.909	0.909	0.000
50	A95_Unbiased	0.906	0.906	0.000
50	A96_Unbiased	0.909	0.909	0.000
50	B15_Unbiased	0.910	0.910	0.000
50	B16_Unbiased	0.908	0.908	0.000
50	C15_Unbiased	0.910	0.911	-0.001
0	106_Corr	0.909	0.909	0.000
100	A97_Biased	0.908	0.908	0.000
100	A99_Biased	0.909	0.909	0.000
100	A100_Biased	0.906	0.906	0.000
100	A101_Biased	0.910	0.910	0.000
100	A102_Biased	0.910	0.910	0.000
100	A104_Biased	0.909	0.909	0.000
100	A105_Biased	0.907	0.907	0.000
100	B17_Biased	0.909	0.909	0.000
100	B18_Biased	0.905	0.906	0.000
100	B19_Biased	0.907	0.907	0.000
100	B20_Biased	0.909	0.910	0.000
100	B21_Biased	0.910	0.910	0.000
100	B24_Biased	0.907	0.907	0.000
100	B25_Biased	0.908	0.908	0.000
100	B26_Biased	0.905	0.906	0.000
100	C16_Biased	0.910	0.910	0.000
100	C17_Biased	0.909	0.909	0.000
100	C18_Biased	0.910	0.910	0.000
100	C19_Biased	0.908	0.908	0.000
100	C25_Biased	0.908	0.909	0.000
100	C26_Biased	0.909	0.910	0.000
100	C31_Biased	0.911	0.911	0.000
100	A107_Unbiased	0.909	0.909	0.000
100	A108_Unbiased	0.909	0.909	0.000
100	A109_Unbiased	0.910	0.910	0.000
100	A110_Unbiased	0.910	0.910	0.000
100	A111_Unbiased	0.909	0.909	0.000
100	A112_Unbiased	0.910	0.910	0.000
100	A113_Unbiased	0.910	0.910	0.000
100	B27_Unbiased	0.907	0.908	-0.002
100	B29_Unbiased	0.909	0.909	0.000
100	B30_Unbiased	0.908	0.908	0.000
100	B31_Unbiased	0.909	0.909	0.000
100	B32_Unbiased	0.909	0.909	0.000
100	B33_Unbiased	0.907	0.907	0.000
100	B34_Unbiased	0.907	0.907	0.000
100	B35_Unbiased	0.907	0.907	0.000
100	C32_Unbiased	0.908	0.908	0.000
100	C33_Unbiased	0.909	0.909	0.000
100	C34_Unbiased	0.908	0.909	0.000
100	C35_Unbiased	0.907	0.907	0.000
100	C36_Unbiased	0.910	0.910	0.000
100	C37_Unbiased	0.907	0.907	0.000
100	C38_Unbiased	0.909	0.909	0.000
	Max	0.912	0.912	0.000
	Average	0.909	0.909	0.000
	Min	0.905	0.906	-0.002
	Std Dev	0.001	0.001	0.000

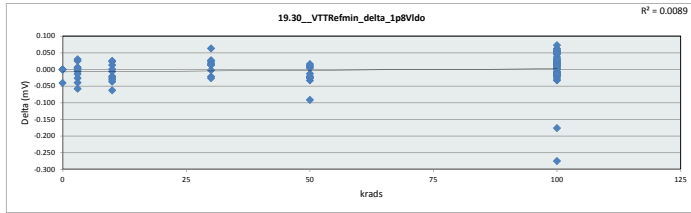


19.29_VTTRefmin_srcload_1						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.935	V				
Min Limit	0.875	V				
krads	LL	3	10	30	50	100
LL	0.875	0.875	0.875	0.875	0.875	0.875
Min	0.907	0.906	0.907	0.908	0.906	0.906
Average	0.909	0.910	0.909	0.909	0.909	0.909
Max	0.910	0.912	0.911	0.911	0.911	0.911
UL	0.935	0.935	0.935	0.935	0.935	0.935

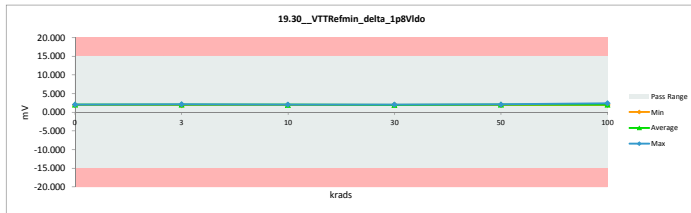


TID 100krad LDR Report
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19.30_VTTRefmin_delta_1p8Vtc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.002	2.002	0.000
3	A79_Biased	2.029	2.003	0.026
3	A80_Biased	2.032	2.038	-0.006
3	B1_Biased	2.033	2.059	-0.026
3	B2_Biased	2.074	2.074	0.000
3	C1_Biased	2.024	2.064	-0.040
3	A82_Unbiased	1.944	1.944	0.006
3	A83_Unbiased	2.015	1.985	0.030
3	B4_Unbiased	2.120	2.134	-0.014
3	B5_Unbiased	2.076	2.073	0.003
3	C2_Unbiased	2.024	2.082	-0.058
10	A85_Biased	2.077	2.064	0.013
10	A86_Biased	1.998	2.035	-0.037
10	B6_Biased	2.014	2.039	-0.025
10	C3_Biased	2.004	2.067	-0.063
10	C4_Biased	2.012	2.033	-0.021
10	A87_Unbiased	2.000	1.999	0.001
10	A88_Unbiased	2.055	2.031	0.024
10	B7_Unbiased	2.075	2.049	0.026
10	C5_Unbiased	1.971	1.977	-0.006
10	C6_Unbiased	1.972	2.003	-0.031
0	106_Corr	2.046	2.087	-0.041
30	A89_Biased	1.996	1.977	0.019
30	B8_Biased	2.079	2.052	0.027
30	B9_Biased	2.081	2.056	0.025
30	C7_Biased	2.035	2.057	-0.022
30	C9_Biased	2.030	2.032	-0.002
30	A90_Unbiased	1.974	1.959	0.015
30	B10_Unbiased	2.056	1.993	0.063
30	B11_Unbiased	2.052	2.038	0.014
30	C11_Unbiased	2.000	2.026	-0.026
30	C12_Unbiased	2.050	2.037	0.013
0	106_Corr	2.071	2.071	0.000
0	15B_Corr	2.038	2.038	0.000
50	A92_Biased	1.987	2.000	-0.013
50	A93_Biased	2.021	2.046	-0.025
50	B12_Biased	2.026	2.010	0.016
50	B13_Biased	2.020	2.112	-0.092
50	C14_Biased	2.020	2.053	-0.033
50	A95_Unbiased	2.029	2.054	-0.025
50	A96_Unbiased	2.062	2.083	-0.021
50	B15_Unbiased	1.983	1.979	0.004
50	B16_Unbiased	2.064	2.057	0.007
50	C15_Unbiased	2.010	1.999	0.011
0	106_Corr	2.046	2.087	-0.041
100	A97_Biased	2.022	1.967	0.055
100	A99_Biased	2.028	2.026	0.002
100	A100_Biased	2.020	2.020	0.000
100	A101_Biased	2.103	2.066	0.037
100	A102_Biased	2.079	2.058	0.021
100	A104_Biased	2.032	2.012	0.020
100	A105_Biased	2.014	1.952	0.062
100	B17_Biased	2.106	2.091	0.015
100	B18_Biased	2.123	2.099	0.024
100	B19_Biased	2.082	2.029	0.053
100	B20_Biased	2.044	2.051	-0.007
100	B21_Biased	2.050	2.050	0.000
100	B24_Biased	2.072	2.020	0.052
100	B25_Biased	2.095	2.022	0.073
100	B26_Biased	2.036	2.028	0.008
100	C16_Biased	2.024	2.032	-0.008
100	C17_Biased	2.009	2.024	-0.015
100	C18_Biased	1.989	2.022	-0.033
100	C19_Biased	2.046	2.075	-0.029
100	C25_Biased	1.986	2.009	-0.023
100	C26_Biased	2.066	2.085	-0.019
100	C31_Biased	2.044	2.059	-0.015
100	A107_Unbiased	2.046	2.058	-0.012
100	A108_Unbiased	2.056	2.048	0.008
100	A109_Unbiased	1.984	1.981	0.003
100	A110_Unbiased	1.995	2.015	-0.020
100	A111_Unbiased	2.051	2.050	0.011
100	A112_Unbiased	2.026	2.008	0.018
100	A113_Unbiased	2.001	1.949	0.052
100	B27_Unbiased	2.126	2.401	-0.275
100	B29_Unbiased	1.878	2.054	-0.176
100	B30_Unbiased	2.119	2.089	0.030
100	B31_Unbiased	2.044	2.023	0.021
100	B32_Unbiased	2.062	2.048	0.014
100	B33_Unbiased	2.034	1.989	0.045
100	B34_Unbiased	2.048	1.990	0.058
100	B35_Unbiased	2.037	2.010	0.027
100	C32_Unbiased	2.012	1.964	0.048
100	C33_Unbiased	2.035	2.054	-0.019
100	C34_Unbiased	2.041	2.049	-0.008
100	C35_Unbiased	2.048	2.018	0.030
100	C36_Unbiased	2.062	2.077	-0.015
100	C37_Unbiased	1.978	1.948	0.030
100	C38_Unbiased	2.038	2.052	-0.014
	Max	2.126	2.401	0.073
	Average	2.035	2.037	-0.002
	Min	1.878	1.944	-0.275
	Std Dev	0.040	0.055	0.046

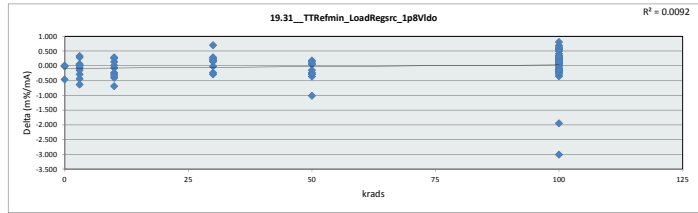


19.30_VTTRefmin_delta_1p8V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
krads	LL	Min	Average	Max	UL	
0	-15.000	-1.944	2.049	2.087	15.000	
3	-15.000	1.977	2.030	2.067	15.000	
10	-15.000	1.959	2.023	2.057	15.000	
30	-15.000	1.979	2.039	2.112	15.000	
50	-15.000	1.948	2.038	2.401	15.000	
100	-15.000	1.948	2.038	2.401	15.000	

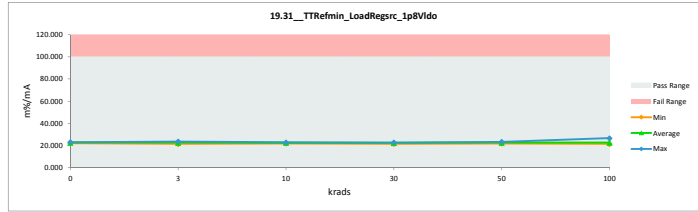


TID 100krad LDR Report
TPS7H3301-SP

19_31_TTRefmin_LoadRegrsc_1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	22.056	22.056	0.000
3	A79_Biased	22.303	22.014	0.289
3	A80_Biased	22.383	22.437	-0.054
3	B1_Biased	22.389	22.674	-0.285
3	B2_Biased	22.952	22.948	0.004
3	C1_Biased	22.328	22.759	-0.431
3	A82_Unbiased	21.478	21.410	0.068
3	A83_Unbiased	22.171	21.937	0.234
3	B4_Unbiased	23.378	23.526	-0.148
3	B5_Unbiased	22.905	22.868	0.037
3	C2_Unbiased	22.290	22.920	-0.630
10	A85_Biased	22.957	22.816	0.141
10	A86_Biased	22.094	22.439	-0.403
10	B6_Biased	22.171	22.447	-0.276
10	C3_Biased	22.095	22.783	-0.688
10	C4_Biased	22.150	22.380	-0.230
10	A87_Unbiased	22.094	22.079	0.015
10	A88_Unbiased	22.613	22.355	0.258
10	B7_Unbiased	22.896	22.605	0.291
10	C5_Unbiased	21.711	21.776	-0.065
10	C6_Unbiased	21.796	22.139	-0.343
0	106_Corr	22.566	22.566	0.000
30	A89_Biased	22.029	21.813	0.216
30	B8_Biased	22.880	22.589	0.291
30	B9_Biased	22.974	22.701	0.273
30	C7_Biased	22.455	22.690	-0.235
30	C9_Biased	22.409	22.422	-0.013
30	A90_Unbiased	21.737	21.573	0.164
30	B10_Unbiased	22.005	22.007	0.698
30	B11_Unbiased	22.608	22.453	0.155
30	C11_Unbiased	22.052	22.340	-0.288
30	C12_Unbiased	22.612	22.464	0.148
0	106_Corr	22.835	22.835	0.000
0	158_Corr	22.527	22.527	0.000
50	A92_Biased	21.888	22.030	-0.142
50	A93_Biased	22.263	22.543	-0.280
50	B12_Biased	22.371	22.191	0.180
50	B13_Biased	22.305	23.318	-1.013
50	C14_Biased	22.277	22.640	-0.363
50	A95_Unbiased	22.441	22.717	-0.276
50	A96_Unbiased	22.739	22.965	-0.226
50	B15_Unbiased	21.828	21.779	0.049
50	B16_Unbiased	22.783	22.712	0.071
50	C15_Unbiased	22.133	21.997	0.136
0	106_Corr	22.566	22.020	-0.454
100	A97_Biased	22.313	21.706	0.607
100	A99_Biased	22.352	22.327	0.025
100	A100_Biased	22.346	22.346	0.000
100	A101_Biased	23.176	22.768	0.408
100	A102_Biased	22.895	22.650	0.245
100	A104_Biased	22.398	22.185	0.213
100	A105_Biased	22.256	21.566	0.690
100	B17_Biased	23.216	23.049	0.167
100	B18_Biased	23.504	23.236	0.268
100	B19_Biased	23.013	22.422	0.591
100	B20_Biased	22.531	22.605	-0.074
100	B21_Biased	22.591	22.587	0.004
100	B24_Biased	22.904	22.317	0.587
100	B25_Biased	23.126	22.320	0.806
100	B26_Biased	22.532	22.450	0.082
100	C16_Biased	22.291	22.377	-0.086
100	C17_Biased	22.156	22.320	-0.164
100	C18_Biased	21.910	22.263	-0.353
100	C19_Biased	22.580	22.891	-0.311
100	C25_Biased	21.912	22.154	-0.242
100	C26_Biased	22.765	22.968	-0.203
100	C31_Biased	22.495	22.654	-0.159
100	A107_Unbiased	22.545	22.496	-0.131
100	A108_Unbiased	22.665	22.572	0.093
100	A109_Unbiased	21.846	21.814	0.032
100	A110_Unbiased	21.974	22.201	-0.227
100	A111_Unbiased	22.725	22.600	0.125
100	A112_Unbiased	22.303	22.102	0.201
100	A113_Unbiased	22.039	21.462	0.577
100	B27_Unbiased	23.503	26.504	-3.001
100	B29_Unbiased	20.707	22.644	-1.937
100	B30_Unbiased	23.991	23.051	0.940
100	B31_Unbiased	22.536	22.308	0.228
100	B32_Unbiased	22.739	22.583	0.156
100	B33_Unbiased	22.476	21.969	0.507
100	B34_Unbiased	22.605	21.969	0.636
100	B35_Unbiased	22.501	22.214	0.287
100	C32_Unbiased	22.215	21.683	0.532
100	C33_Unbiased	22.438	22.641	-0.203
100	C34_Unbiased	22.516	22.607	-0.091
100	C35_Unbiased	22.620	22.285	0.335
100	C36_Unbiased	22.715	22.885	-0.170
100	C37_Unbiased	21.859	21.521	0.338
100	C38_Unbiased	22.471	22.619	-0.148
	Max	23.504	26.504	0.806
	Average	22.447	22.463	-0.016
	Min	20.707	21.410	-3.001
	Std Dev	0.455	0.612	0.502

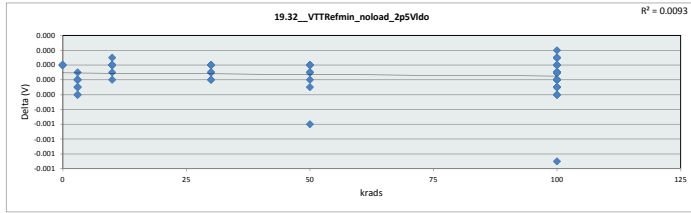


19_31_TTRefmin_LoadRegrsc_1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	22.056	21.410	21.776	21.573	21.779	21.462
Average	22.601	22.539	22.382	22.305	22.489	22.479
Max	23.020	23.526	22.816	22.701	23.318	26.504
UL	100.000	100.000	100.000	100.000	100.000	100.000

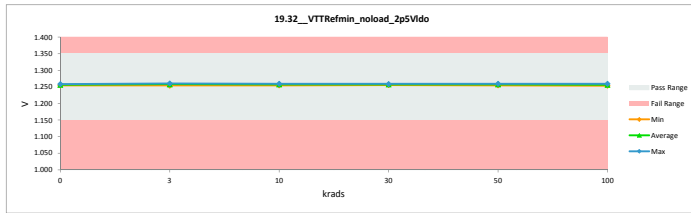


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19_32_VTTRefmin_noload_2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.258	1.258	0.000
3	A79_Biased	1.260	1.260	0.000
3	A80_Biased	1.258	1.259	0.000
3	B1_Biased	1.258	1.258	0.000
3	B2_Biased	1.254	1.254	0.000
3	C1_Biased	1.257	1.257	0.000
3	A82_Unbiased	1.258	1.258	0.000
3	A83_Unbiased	1.259	1.260	0.000
3	B4_Unbiased	1.257	1.258	0.000
3	B5_Unbiased	1.257	1.257	0.000
3	C2_Unbiased	1.258	1.259	0.000
10	A85_Biased	1.255	1.255	0.000
10	A86_Biased	1.257	1.257	0.000
10	B6_Biased	1.259	1.259	0.000
10	C3_Biased	1.257	1.257	0.000
10	C4_Biased	1.258	1.259	0.000
10	A87_Unbiased	1.256	1.256	0.000
10	A88_Unbiased	1.259	1.259	0.000
10	B7_Unbiased	1.257	1.257	0.000
10	C5_Unbiased	1.258	1.258	0.000
10	C6_Unbiased	1.255	1.255	0.000
0	106_Corr	1.257	1.257	0.000
30	A89_Biased	1.256	1.257	0.000
30	B8_Biased	1.259	1.259	0.000
30	B9_Biased	1.256	1.256	0.000
30	C7_Biased	1.257	1.257	0.000
30	C9_Biased	1.257	1.257	0.000
30	A90_Unbiased	1.258	1.258	0.000
30	B10_Unbiased	1.256	1.256	0.000
30	B11_Unbiased	1.258	1.258	0.000
30	C11_Unbiased	1.257	1.257	0.000
30	C12_Unbiased	1.257	1.257	0.000
0	106_Corr	1.257	1.257	0.000
0	158_Corr	1.255	1.255	0.000
50	A92_Biased	1.258	1.258	0.000
50	A93_Biased	1.258	1.258	0.000
50	B12_Biased	1.256	1.256	0.000
50	B13_Biased	1.256	1.256	0.000
50	C14_Biased	1.257	1.257	0.000
50	A95_Unbiased	1.255	1.255	0.000
50	A96_Unbiased	1.257	1.258	0.000
50	B15_Unbiased	1.259	1.259	0.000
50	B16_Unbiased	1.256	1.256	0.000
50	C15_Unbiased	1.258	1.259	-0.001
0	106_Corr	1.257	1.257	0.000
100	A97_Biased	1.257	1.257	0.000
100	A99_Biased	1.258	1.258	0.000
100	A100_Biased	1.254	1.254	0.000
100	A101_Biased	1.258	1.258	0.000
100	A102_Biased	1.258	1.259	0.000
100	A104_Biased	1.258	1.258	0.000
100	A105_Biased	1.255	1.256	0.000
100	B17_Biased	1.258	1.258	0.000
100	B18_Biased	1.254	1.254	0.000
100	B19_Biased	1.255	1.255	0.000
100	B20_Biased	1.258	1.258	0.000
100	B21_Biased	1.258	1.258	0.000
100	B24_Biased	1.255	1.255	0.000
100	B25_Biased	1.257	1.256	0.000
100	B26_Biased	1.254	1.254	0.000
100	C16_Biased	1.258	1.258	0.000
100	C17_Biased	1.257	1.257	0.000
100	C18_Biased	1.258	1.259	0.000
100	C19_Biased	1.257	1.257	0.000
100	C25_Biased	1.257	1.257	0.000
100	C26_Biased	1.258	1.258	0.000
100	C31_Biased	1.259	1.259	0.000
100	A107_Unbiased	1.257	1.257	0.000
100	A108_Unbiased	1.257	1.258	0.000
100	A109_Unbiased	1.258	1.259	0.000
100	A110_Unbiased	1.258	1.258	0.000
100	A111_Unbiased	1.258	1.258	0.000
100	A112_Unbiased	1.259	1.259	0.000
100	A113_Unbiased	1.258	1.258	0.000
100	B27_Unbiased	1.255	1.256	-0.001
100	B29_Unbiased	1.257	1.258	0.000
100	B30_Unbiased	1.256	1.257	0.000
100	B31_Unbiased	1.257	1.257	0.000
100	B32_Unbiased	1.257	1.257	0.000
100	B33_Unbiased	1.256	1.256	0.000
100	B34_Unbiased	1.256	1.256	0.000
100	B35_Unbiased	1.255	1.255	0.000
100	C32_Unbiased	1.256	1.256	0.000
100	C33_Unbiased	1.257	1.257	0.000
100	C34_Unbiased	1.257	1.257	0.000
100	C35_Unbiased	1.256	1.256	0.000
100	C36_Unbiased	1.258	1.258	0.000
100	C37_Unbiased	1.255	1.255	0.000
100	C38_Unbiased	1.257	1.257	0.000
	Max	1.260	1.260	0.000
	Average	1.257	1.257	0.000
	Min	1.254	1.254	-0.001
	Std Dev	0.001	0.001	0.000

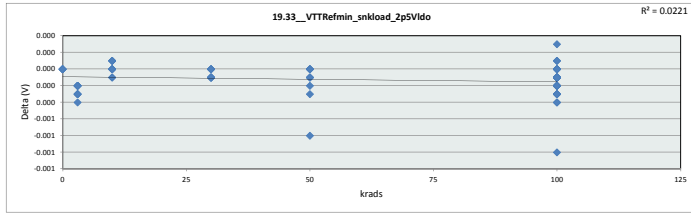


19_32_VTTRefmin_noload_2p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
Krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.255	1.254	1.255	1.256	1.255	1.254
Average	1.257	1.258	1.257	1.257	1.257	1.257
Max	1.258	1.260	1.259	1.259	1.259	1.259
UL	1.350	1.350	1.350	1.350	1.350	1.350

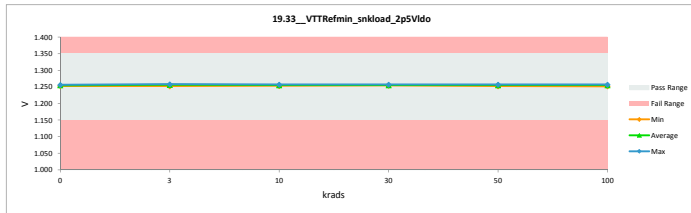


TID 100krad LDR Report
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19.33_VTTRefmin_snkload_2ps				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.256	1.256	0.000
3	A79_Biased	1.258	1.258	0.000
3	A80_Biased	1.256	1.257	0.000
3	B1_Biased	1.256	1.256	0.000
3	B2_Biased	1.252	1.252	0.000
3	C1_Biased	1.255	1.255	0.000
3	A82_Unbiased	1.256	1.257	0.000
3	A83_Unbiased	1.257	1.258	0.000
3	B4_Unbiased	1.255	1.255	0.000
3	B5_Unbiased	1.255	1.255	0.000
3	C2_Unbiased	1.256	1.257	0.000
10	A85_Biased	1.253	1.253	0.000
10	A86_Biased	1.255	1.255	0.000
10	B6_Biased	1.257	1.257	0.000
10	C3_Biased	1.255	1.255	0.000
10	C4_Biased	1.257	1.257	0.000
10	A87_Unbiased	1.254	1.254	0.000
10	A88_Unbiased	1.257	1.257	0.000
10	B7_Unbiased	1.255	1.255	0.000
10	C5_Unbiased	1.256	1.256	0.000
10	C6_Unbiased	1.253	1.253	0.000
0	106_Corr	1.255	1.255	0.000
30	A89_Biased	1.254	1.255	0.000
30	B8_Biased	1.257	1.257	0.000
30	B9_Biased	1.254	1.254	0.000
30	C7_Biased	1.255	1.255	0.000
30	C9_Biased	1.254	1.255	0.000
30	A90_Unbiased	1.257	1.257	0.000
30	B10_Unbiased	1.254	1.254	0.000
30	B11_Unbiased	1.256	1.256	0.000
30	C11_Unbiased	1.255	1.255	0.000
30	C12_Unbiased	1.255	1.255	0.000
0	106_Corr	1.255	1.255	0.000
0	15B_Corr	1.253	1.253	0.000
50	A92_Biased	1.256	1.256	0.000
50	A93_Biased	1.256	1.256	0.000
50	B12_Biased	1.254	1.254	0.000
50	B13_Biased	1.254	1.254	0.000
50	C14_Biased	1.255	1.255	0.000
50	A95_Unbiased	1.253	0.000	0.000
50	A96_Unbiased	1.255	1.255	0.000
50	B15_Unbiased	1.257	1.257	0.000
50	B16_Unbiased	1.254	1.254	0.000
50	C15_Unbiased	1.256	1.257	-0.001
0	106_Corr	1.255	1.255	0.000
100	A97_Biased	1.255	1.255	0.000
100	A99_Biased	1.256	1.256	0.000
100	A100_Biased	1.252	1.252	0.000
100	A101_Biased	1.256	1.256	0.000
100	A102_Biased	1.256	1.257	0.000
100	A104_Biased	1.255	1.256	0.000
100	A105_Biased	1.253	1.254	0.000
100	B17_Biased	1.255	1.256	0.000
100	B18_Biased	1.252	1.252	0.000
100	B19_Biased	1.253	1.253	0.000
100	B20_Biased	1.256	1.256	0.000
100	B21_Biased	1.256	1.256	0.000
100	B24_Biased	1.253	1.253	0.000
100	B25_Biased	1.254	1.254	0.000
100	B26_Biased	1.252	1.252	0.000
100	C16_Biased	1.256	1.257	0.000
100	C17_Biased	1.255	1.255	0.000
100	C18_Biased	1.256	1.257	0.000
100	C19_Biased	1.255	1.255	0.000
100	C25_Biased	1.255	1.255	0.000
100	C26_Biased	1.256	1.256	0.000
100	C31_Biased	1.257	1.257	0.000
100	A107_Unbiased	1.255	1.255	0.000
100	A108_Unbiased	1.255	1.256	0.000
100	A109_Unbiased	1.257	1.257	0.000
100	A110_Unbiased	1.256	1.256	0.000
100	A111_Unbiased	1.255	1.256	0.000
100	A112_Unbiased	1.257	1.257	0.000
100	A113_Unbiased	1.257	1.257	0.000
100	B27_Unbiased	1.253	1.254	-0.001
100	B29_Unbiased	1.255	1.256	0.000
100	B30_Unbiased	1.254	1.254	0.000
100	B31_Unbiased	1.255	1.255	0.000
100	B32_Unbiased	1.255	1.255	0.000
100	B33_Unbiased	1.254	1.254	0.000
100	B34_Unbiased	1.254	1.254	0.000
100	B35_Unbiased	1.253	1.253	0.000
100	C32_Unbiased	1.254	1.254	0.000
100	C33_Unbiased	1.255	1.255	0.000
100	C34_Unbiased	1.255	1.255	0.000
100	C35_Unbiased	1.253	1.254	0.000
100	C36_Unbiased	1.256	1.256	0.000
100	C37_Unbiased	1.253	1.253	0.000
100	C38_Unbiased	1.255	1.255	0.000
	Max	1.258	1.258	0.000
	Average	1.255	1.255	0.000
	Min	1.252	1.252	-0.001
	Std Dev	0.001	0.001	0.000

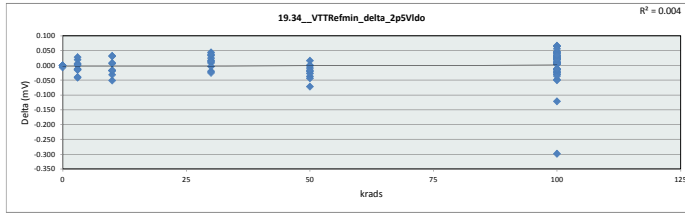


19.33_VTTRefmin_snkload_2						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
Krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.253	1.252	1.253	1.254	1.253	1.252
Average	1.255	1.256	1.255	1.255	1.255	1.255
Max	1.256	1.258	1.257	1.257	1.257	1.257
UL	1.350	1.350	1.350	1.350	1.350	1.350

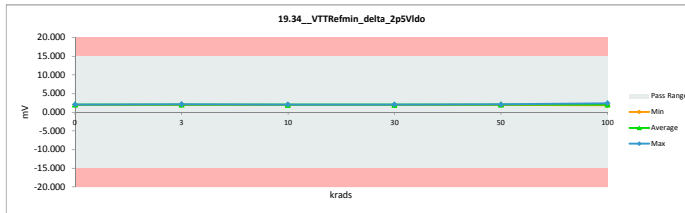


TID 100krad LDR Report
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19.34_VTTRefmin_delta_2p5Vtc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.976	1.976	0.000
3	A79_Biased	2.048	2.029	0.019
3	A80_Biased	2.019	2.017	0.002
3	B1_Biased	2.043	2.056	-0.013
3	B2_Biased	2.070	2.082	-0.012
3	C1_Biased	2.016	2.057	-0.041
3	A82_Unbiased	1.960	1.953	0.007
3	A83_Unbiased	2.013	1.985	0.028
3	B4_Unbiased	2.108	2.123	-0.015
3	B5_Unbiased	2.055	2.054	0.001
3	C2_Unbiased	2.022	2.061	-0.039
10	A85_Biased	2.058	2.052	0.006
10	A86_Biased	2.011	2.028	-0.017
10	B6_Biased	2.023	2.040	-0.017
10	C3_Biased	1.994	2.045	-0.051
10	C4_Biased	1.998	2.029	-0.031
10	A87_Unbiased	2.018	2.009	0.009
10	A88_Unbiased	2.053	2.021	0.032
10	B7_Unbiased	2.069	2.038	0.031
10	C5_Unbiased	1.981	1.998	-0.017
10	C6_Unbiased	1.985	2.001	-0.016
0	106_Corr	2.071	2.071	0.000
30	A89_Biased	1.987	1.970	0.017
30	B8_Biased	2.083	2.050	0.033
30	B9_Biased	2.075	2.050	0.025
30	C7_Biased	2.032	2.051	-0.019
30	C9_Biased	2.036	2.027	0.009
30	A90_Unbiased	1.958	1.945	0.013
30	B10_Unbiased	2.086	2.042	0.044
30	B11_Unbiased	2.038	2.000	0.038
30	C11_Unbiased	2.010	2.025	-0.025
30	C12_Unbiased	2.031	2.034	-0.003
0	106_Corr	2.075	2.075	0.000
0	15B_Corr	2.048	2.048	0.000
50	A92_Biased	1.985	2.022	-0.037
50	A93_Biased	2.036	2.035	0.001
50	B12_Biased	2.030	2.039	-0.009
50	B13_Biased	2.046	2.117	-0.071
50	C14_Biased	2.001	2.044	-0.043
50	A95_Unbiased	2.016	2.037	-0.021
50	A96_Unbiased	2.038	2.065	-0.027
50	B15_Unbiased	2.005	1.989	0.016
50	B16_Unbiased	2.053	2.054	-0.001
50	C15_Unbiased	1.999	2.015	-0.016
0	106_Corr	2.071	2.071	0.000
100	A97_Biased	2.025	1.980	0.045
100	A99_Biased	2.007	1.996	0.011
100	A100_Biased	2.015	1.984	0.031
100	A101_Biased	2.088	2.044	0.044
100	A102_Biased	2.067	2.036	0.031
100	A104_Biased	2.020	1.953	0.067
100	A105_Biased	2.024	2.002	0.022
100	B17_Biased	2.096	2.057	0.039
100	B18_Biased	2.078	2.068	0.010
100	B19_Biased	2.096	2.031	0.065
100	B20_Biased	2.031	2.011	0.020
100	B21_Biased	2.030	2.026	0.004
100	B24_Biased	2.063	2.040	0.023
100	B25_Biased	2.089	2.041	0.048
100	B26_Biased	2.024	2.018	0.006
100	C16_Biased	2.010	2.025	-0.015
100	C17_Biased	2.027	2.038	-0.011
100	C18_Biased	1.993	1.979	0.014
100	C19_Biased	2.049	2.072	-0.023
100	C25_Biased	1.967	2.014	-0.047
100	C26_Biased	2.063	2.054	0.009
100	C31_Biased	2.048	2.068	-0.020
100	A107_Unbiased	2.057	2.087	-0.030
100	A108_Unbiased	2.031	2.007	0.024
100	A109_Unbiased	1.985	1.959	0.026
100	A110_Unbiased	2.022	1.997	0.025
100	A111_Unbiased	2.047	2.040	0.007
100	A112_Unbiased	2.037	1.972	0.065
100	A113_Unbiased	2.002	1.975	0.027
100	B27_Unbiased	2.135	2.433	-0.298
100	B29_Unbiased	1.864	1.985	-0.121
100	B30_Unbiased	2.129	2.073	0.056
100	B31_Unbiased	2.044	2.024	0.020
100	B32_Unbiased	2.039	2.064	-0.025
100	B33_Unbiased	2.047	2.060	-0.013
100	B34_Unbiased	2.066	2.063	0.003
100	B35_Unbiased	2.055	2.021	0.034
100	C32_Unbiased	2.045	2.024	0.021
100	C33_Unbiased	2.038	2.067	-0.029
100	C34_Unbiased	2.017	2.067	-0.050
100	C35_Unbiased	2.068	2.081	-0.013
100	C36_Unbiased	2.037	2.073	-0.036
100	C37_Unbiased	1.966	1.931	0.035
100	C38_Unbiased	2.050	2.063	-0.013
	Max	2.135	2.433	0.067
	Average	2.034	2.035	-0.001
	Min	1.864	1.931	-0.298
	Std Dev	0.040	0.057	0.045

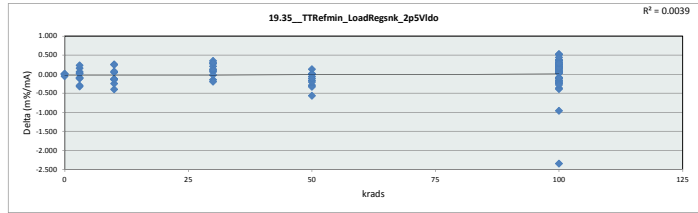


19.34_VTTRefmin_delta_2p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	LL	Min	Average	Max	UL	
0	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
3	1.976	1.953	1.998	1.945	1.989	1.931
10	2.050	2.042	2.026	2.020	2.042	2.036
30	2.078	2.123	2.052	2.051	2.117	2.433
50	15.000	15.000	15.000	15.000	15.000	15.000
100	15.000	15.000	15.000	15.000	15.000	15.000

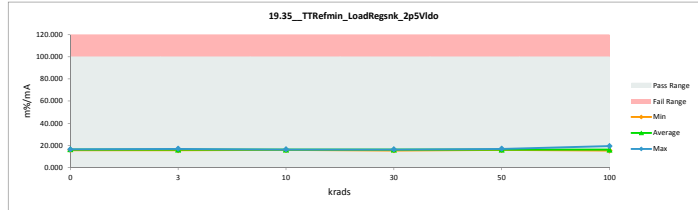


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19_35_TTRefmin_LoadReqsnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	m%/mA	m%/mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	15.705	15.705	0.000
3	A79_Biased	16.251	16.099	0.152
3	A80_Biased	16.049	16.021	0.028
3	B1_Biased	16.240	16.340	-0.100
3	B2_Biased	16.504	16.601	-0.097
3	C1_Biased	16.038	16.359	-0.321
3	A82_Unbiased	15.579	15.517	0.062
3	A83_Unbiased	15.985	15.758	0.227
3	B4_Unbiased	16.765	16.883	-0.118
3	B5_Unbiased	16.354	16.339	0.015
3	C2_Unbiased	16.072	16.375	-0.303
10	A85_Biased	16.392	16.350	0.042
10	A86_Biased	15.997	16.131	-0.134
10	B6_Biased	16.067	16.206	-0.139
10	C3_Biased	15.863	16.263	-0.400
10	C4_Biased	15.876	16.124	-0.248
10	A87_Unbiased	16.072	15.999	0.073
10	A88_Unbiased	16.305	16.048	0.257
10	B7_Unbiased	16.462	16.214	0.248
10	C5_Unbiased	15.747	15.883	-0.136
10	C6_Unbiased	15.816	15.945	-0.129
0	106_Corr	16.472	16.472	0.000
30	A89_Biased	15.814	15.682	0.132
30	B8_Biased	16.551	16.280	0.271
30	B9_Biased	16.521	16.317	0.204
30	C7_Biased	16.172	16.316	-0.144
30	C9_Biased	16.202	16.136	0.066
30	A90_Unbiased	15.558	15.457	0.101
30	B10_Unbiased	16.607	16.255	0.352
30	B11_Unbiased	16.199	15.900	0.299
30	C11_Unbiased	15.989	16.184	-0.195
30	C12_Unbiased	16.160	16.179	-0.019
0	106_Corr	16.502	16.502	0.000
0	15B_Corr	16.322	16.322	0.000
50	A92_Biased	15.781	16.073	-0.292
50	A93_Biased	16.183	16.173	0.010
50	B12_Biased	16.163	16.230	-0.067
50	B13_Biased	16.289	16.856	-0.567
50	C14_Biased	15.922	16.258	-0.336
50	A95_Unbiased	16.068	16.232	-0.164
50	A96_Unbiased	16.210	16.420	-0.210
50	B15_Unbiased	15.930	15.801	0.129
50	B16_Unbiased	16.343	16.347	-0.004
50	C15_Unbiased	15.888	16.003	-0.115
0	106_Corr	16.529	16.529	-0.057
100	A97_Biased	16.116	15.756	0.360
100	A99_Biased	15.960	15.872	0.088
100	A100_Biased	16.069	15.814	0.255
100	A101_Biased	16.603	16.247	0.356
100	A102_Biased	16.427	16.178	0.249
100	A104_Biased	16.061	15.532	0.529
100	A105_Biased	16.118	15.945	0.173
100	B17_Biased	16.669	16.357	0.312
100	B18_Biased	16.574	16.495	0.079
100	B19_Biased	16.698	16.179	0.519
100	B20_Biased	16.144	15.985	0.159
100	B21_Biased	16.142	16.109	0.033
100	B24_Biased	16.438	16.250	0.188
100	B25_Biased	16.628	16.244	0.384
100	B26_Biased	16.140	16.096	0.044
100	C16_Biased	15.970	16.094	-0.124
100	C17_Biased	16.123	16.211	-0.088
100	C18_Biased	15.840	15.722	0.118
100	C19_Biased	16.303	16.488	-0.185
100	C25_Biased	15.650	16.019	-0.369
100	C26_Biased	16.404	16.331	0.073
100	C31_Biased	16.263	16.426	-0.163
100	A107_Unbiased	16.359	16.395	-0.036
100	A108_Unbiased	16.153	15.955	0.198
100	A109_Unbiased	15.775	15.563	0.212
100	A110_Unbiased	16.069	15.871	0.198
100	A111_Unbiased	15.279	15.960	0.319
100	A112_Unbiased	16.187	15.669	0.518
100	A113_Unbiased	15.907	15.696	0.211
100	B27_Unbiased	17.012	19.365	-2.353
100	B29_Unbiased	14.823	15.783	-0.960
100	B30_Unbiased	16.942	16.500	0.442
100	B31_Unbiased	16.263	16.100	0.163
100	B32_Unbiased	16.213	16.418	-0.205
100	B33_Unbiased	16.304	16.408	-0.104
100	B34_Unbiased	16.449	16.426	0.023
100	B35_Unbiased	16.366	16.098	0.268
100	C32_Unbiased	16.281	16.116	0.165
100	C33_Unbiased	16.210	16.440	-0.230
100	C34_Unbiased	16.048	16.443	-0.395
100	C35_Unbiased	16.470	16.571	-0.101
100	C36_Unbiased	16.195	16.478	-0.283
100	C37_Unbiased	15.663	15.385	0.278
100	C38_Unbiased	16.305	16.405	-0.100
	Max	17.012	19.365	0.529
	Average	16.181	16.187	-0.007
	Min	14.823	15.385	-2.353
	Std Dev	0.325	0.456	0.355

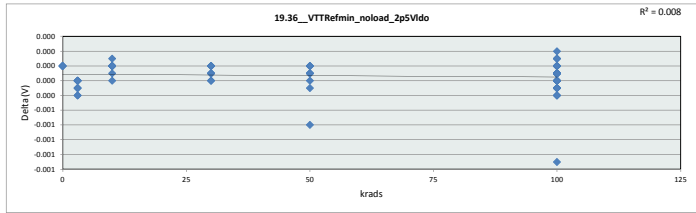


19_35_TTRefmin_LoadReqsnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	m%/mA				
Min Limit	0	m%/mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	15.705	15.517	15.883	15.457	15.801	15.385
Average	16.306	16.229	16.116	16.071	16.239	16.195
Max	16.529	16.883	16.350	16.317	16.856	19.365
UL	100.000	100.000	100.000	100.000	100.000	100.000

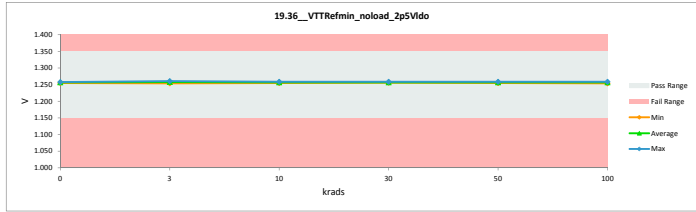


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19.36_VTTRefmin_noload_2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.258	1.258	0.000
3	A79_Biased	1.260	1.260	0.000
3	A80_Biased	1.258	1.259	0.000
3	B1_Biased	1.258	1.258	0.000
3	B2_Biased	1.254	1.254	0.000
3	C1_Biased	1.257	1.257	0.000
3	A82_Unbiased	1.258	1.258	0.000
3	A83_Unbiased	1.259	1.260	0.000
3	B4_Unbiased	1.257	1.258	0.000
3	B5_Unbiased	1.257	1.257	0.000
3	C2_Unbiased	1.258	1.259	0.000
10	A85_Biased	1.255	1.255	0.000
10	A86_Biased	1.257	1.257	0.000
10	B6_Biased	1.259	1.259	0.000
10	C3_Biased	1.257	1.257	0.000
10	C4_Biased	1.258	1.259	0.000
10	A87_Unbiased	1.256	1.256	0.000
10	A88_Unbiased	1.259	1.259	0.000
10	B7_Unbiased	1.257	1.257	0.000
10	C5_Unbiased	1.258	1.258	0.000
10	C6_Unbiased	1.255	1.255	0.000
0	106_Corr	1.257	1.257	0.000
30	A89_Biased	1.256	1.257	0.000
30	B8_Biased	1.259	1.259	0.000
30	B9_Biased	1.256	1.256	0.000
30	C7_Biased	1.257	1.257	0.000
30	C9_Biased	1.257	1.257	0.000
30	A90_Unbiased	1.258	1.258	0.000
30	B10_Unbiased	1.256	1.256	0.000
30	B11_Unbiased	1.258	1.258	0.000
30	C11_Unbiased	1.257	1.257	0.000
30	C12_Unbiased	1.257	1.257	0.000
0	106_Corr	1.257	1.257	0.000
0	158_Corr	1.255	1.255	0.000
50	A92_Biased	1.258	1.258	0.000
50	A93_Biased	1.258	1.258	0.000
50	B12_Biased	1.256	1.256	0.000
50	B13_Biased	1.256	1.256	0.000
50	C14_Biased	1.257	1.257	0.000
50	A95_Unbiased	1.255	1.255	0.000
50	A96_Unbiased	1.257	1.258	0.000
50	B15_Unbiased	1.259	1.259	0.000
50	B16_Unbiased	1.256	1.256	0.000
50	C15_Unbiased	1.258	1.259	-0.001
0	106_Corr	1.257	1.257	0.000
100	A97_Biased	1.257	1.257	0.000
100	A99_Biased	1.258	1.258	0.000
100	A100_Biased	1.254	1.254	0.000
100	A101_Biased	1.258	1.258	0.000
100	A102_Biased	1.258	1.259	0.000
100	A104_Biased	1.258	1.258	0.000
100	A105_Biased	1.255	1.256	0.000
100	B17_Biased	1.258	1.258	0.000
100	B18_Biased	1.254	1.254	0.000
100	B19_Biased	1.255	1.255	0.000
100	B20_Biased	1.258	1.258	0.000
100	B21_Biased	1.258	1.258	0.000
100	B24_Biased	1.255	1.255	0.000
100	B25_Biased	1.257	1.256	0.000
100	B26_Biased	1.254	1.254	0.000
100	C16_Biased	1.258	1.258	0.000
100	C17_Biased	1.257	1.257	0.000
100	C18_Biased	1.258	1.259	0.000
100	C19_Biased	1.257	1.257	0.000
100	C25_Biased	1.257	1.257	0.000
100	C26_Biased	1.258	1.258	0.000
100	C31_Biased	1.259	1.259	0.000
100	A107_Unbiased	1.257	1.257	0.000
100	A108_Unbiased	1.257	1.258	0.000
100	A109_Unbiased	1.259	1.259	0.000
100	A110_Unbiased	1.258	1.258	0.000
100	A111_Unbiased	1.258	1.258	0.000
100	A112_Unbiased	1.259	1.259	0.000
100	A113_Unbiased	1.258	1.258	0.000
100	B27_Unbiased	1.255	1.256	-0.001
100	B29_Unbiased	1.257	1.258	0.000
100	B30_Unbiased	1.256	1.257	0.000
100	B31_Unbiased	1.257	1.257	0.000
100	B32_Unbiased	1.257	1.257	0.000
100	B33_Unbiased	1.256	1.256	0.000
100	B34_Unbiased	1.256	1.256	0.000
100	B35_Unbiased	1.255	1.255	0.000
100	C32_Unbiased	1.256	1.256	0.000
100	C33_Unbiased	1.257	1.257	0.000
100	C34_Unbiased	1.257	1.257	0.000
100	C35_Unbiased	1.256	1.256	0.000
100	C36_Unbiased	1.258	1.258	0.000
100	C37_Unbiased	1.255	1.255	0.000
100	C38_Unbiased	1.257	1.257	0.000
	Max	1.260	1.260	0.000
	Average	1.257	1.257	0.000
	Min	1.254	1.254	-0.001
	Std Dev	0.001	0.001	0.000

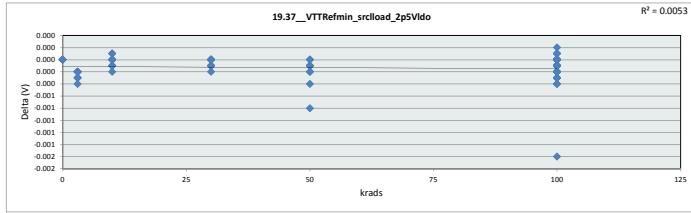


19.36_VTTRefmin_noload_2p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
Krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.255	1.254	1.255	1.256	1.255	1.254
Average	1.257	1.258	1.257	1.257	1.259	1.257
Max	1.258	1.260	1.259	1.259	1.259	1.259
UL	1.350	1.350	1.350	1.350	1.350	1.350

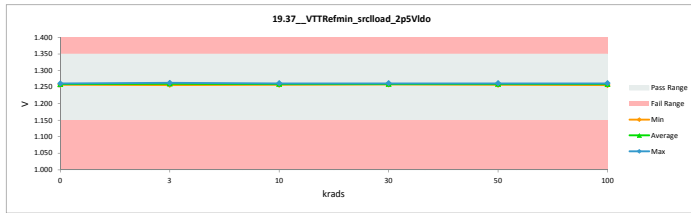


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19.37_VTTRefmin_srcload_2ps				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.35	1.35		
Min Limit	1.15	1.15		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.260	1.260	0.000
3	A79_Biased	1.262	1.262	0.000
3	A80_Biased	1.260	1.261	0.000
3	B1_Biased	1.260	1.260	0.000
3	B2_Biased	1.256	1.256	0.000
3	C1_Biased	1.259	1.259	0.000
3	A82_Unbiased	1.260	1.260	0.000
3	A83_Unbiased	1.261	1.262	0.000
3	B4_Unbiased	1.259	1.260	0.000
3	B5_Unbiased	1.259	1.259	0.000
3	C2_Unbiased	1.260	1.261	0.000
10	A85_Biased	1.257	1.257	0.000
10	A86_Biased	1.259	1.259	0.000
10	B6_Biased	1.261	1.261	0.000
10	C3_Biased	1.259	1.259	0.000
10	C4_Biased	1.261	1.261	0.000
10	A87_Unbiased	1.258	1.258	0.000
10	A88_Unbiased	1.261	1.261	0.000
10	B7_Unbiased	1.259	1.259	0.000
10	C5_Unbiased	1.260	1.260	0.000
10	C6_Unbiased	1.257	1.257	0.000
0	106_Corr	1.259	1.259	0.000
30	A89_Biased	1.258	1.258	0.000
30	B8_Biased	1.261	1.261	0.000
30	B9_Biased	1.258	1.258	0.000
30	C7_Biased	1.259	1.259	0.000
30	C9_Biased	1.258	1.258	0.000
30	A90_Unbiased	1.260	1.260	0.000
30	B10_Unbiased	1.258	1.258	0.000
30	B11_Unbiased	1.260	1.260	0.000
30	C11_Unbiased	1.259	1.259	0.000
30	C12_Unbiased	1.259	1.259	0.000
0	106_Corr	1.259	1.259	0.000
0	15B_Corr	1.257	1.257	0.000
50	A92_Biased	1.260	1.260	0.000
50	A93_Biased	1.260	1.260	0.000
50	B12_Biased	1.258	1.258	0.000
50	B13_Biased	1.258	1.258	0.000
50	C14_Biased	1.259	1.259	0.000
50	A95_Unbiased	1.257	1.257	0.000
50	A96_Unbiased	1.259	1.260	0.000
50	B15_Unbiased	1.261	1.261	0.000
50	B16_Unbiased	1.258	1.258	0.000
50	C15_Unbiased	1.260	1.261	-0.001
0	106_Corr	1.259	1.259	0.000
100	A97_Biased	1.259	1.259	0.000
100	A99_Biased	1.260	1.260	0.000
100	A100_Biased	1.256	1.256	0.000
100	A101_Biased	1.260	1.260	0.000
100	A102_Biased	1.260	1.261	0.000
100	A104_Biased	1.260	1.260	0.000
100	A105_Biased	1.257	1.258	0.000
100	B17_Biased	1.260	1.260	0.000
100	B18_Biased	1.256	1.256	0.000
100	B19_Biased	1.257	1.257	0.000
100	B20_Biased	1.260	1.260	0.000
100	B21_Biased	1.260	1.260	0.000
100	B24_Biased	1.257	1.257	0.000
100	B25_Biased	1.258	1.258	0.000
100	B26_Biased	1.256	1.256	0.000
100	C16_Biased	1.260	1.260	0.000
100	C17_Biased	1.259	1.259	0.000
100	C18_Biased	1.260	1.261	0.000
100	C19_Biased	1.259	1.259	0.000
100	C25_Biased	1.259	1.259	0.000
100	C26_Biased	1.260	1.260	0.000
100	C31_Biased	1.261	1.261	0.000
100	A107_Unbiased	1.259	1.259	0.000
100	A108_Unbiased	1.260	1.260	0.000
100	A109_Unbiased	1.261	1.261	0.000
100	A110_Unbiased	1.260	1.260	0.000
100	A111_Unbiased	1.260	1.260	0.000
100	A112_Unbiased	1.261	1.261	0.000
100	A113_Unbiased	1.260	1.260	0.000
100	B27_Unbiased	1.257	1.259	-0.002
100	B29_Unbiased	1.259	1.260	0.000
100	B30_Unbiased	1.258	1.259	0.000
100	B31_Unbiased	1.259	1.259	0.000
100	B32_Unbiased	1.259	1.259	0.000
100	B33_Unbiased	1.258	1.258	0.000
100	B34_Unbiased	1.258	1.258	0.000
100	B35_Unbiased	1.257	1.257	0.000
100	C32_Unbiased	1.258	1.258	0.000
100	C33_Unbiased	1.259	1.259	0.000
100	C34_Unbiased	1.259	1.259	0.000
100	C35_Unbiased	1.258	1.258	0.000
100	C36_Unbiased	1.260	1.260	0.000
100	C37_Unbiased	1.257	1.257	0.000
100	C38_Unbiased	1.259	1.259	0.000
	Max	1.262	1.262	0.000
	Average	1.259	1.259	0.000
	Min	1.256	1.256	-0.002
	Std Dev	0.001	0.001	0.000

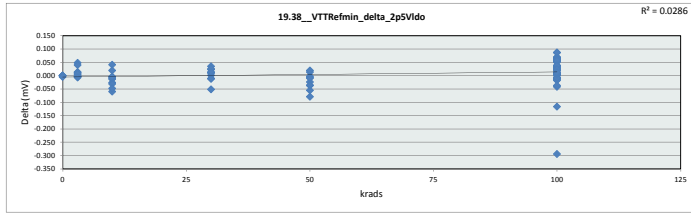


19.37_VTTRefmin_srcload_2						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.35	V				
Min Limit	1.15	V				
krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.257	1.256	1.257	1.258	1.257	1.256
Average	1.259	1.260	1.259	1.259	1.259	1.259
Max	1.260	1.262	1.261	1.261	1.261	1.261
UL	1.350	1.350	1.350	1.350	1.350	1.350

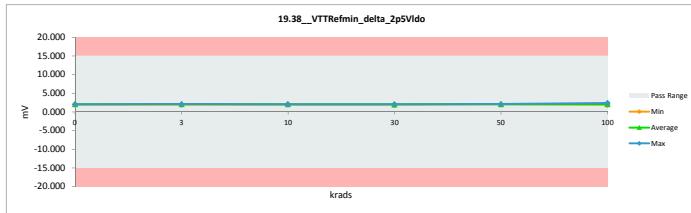


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19.38_VTTRefmin_delta_2p5Vt				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	15	15		
Min Limit	-15	-15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.004	2.004	0.000
3	A79_Biased	2.006	2.009	-0.003
3	A80_Biased	2.074	2.025	0.049
3	B1_Biased	2.099	2.085	0.014
3	B2_Biased	2.103	2.102	0.001
3	C1_Biased	2.024	2.027	-0.003
3	A82_Unbiased	2.022	1.982	0.040
3	A83_Unbiased	2.032	2.025	0.007
3	B4_Unbiased	2.119	2.106	0.013
3	B5_Unbiased	2.073	2.066	0.007
3	C2_Unbiased	2.075	2.082	-0.007
10	A85_Biased	2.047	2.056	-0.009
10	A86_Biased	2.024	2.037	-0.013
10	B6_Biased	2.040	2.066	-0.026
10	C3_Biased	2.020	2.080	-0.060
10	C4_Biased	2.047	2.078	-0.031
10	A87_Unbiased	1.996	1.991	-0.005
10	A88_Unbiased	2.071	2.030	0.041
10	B7_Unbiased	2.061	2.041	0.020
10	C5_Unbiased	2.035	2.038	-0.003
10	C6_Unbiased	1.971	2.018	-0.047
0	106_Corr	2.064	2.064	0.000
30	A89_Biased	1.947	1.945	0.002
30	B8_Biased	2.098	2.075	0.023
30	B9_Biased	2.053	2.040	0.013
30	C7_Biased	2.037	2.047	-0.010
30	C9_Biased	1.983	1.995	-0.012
30	A90_Unbiased	2.007	1.997	0.010
30	B10_Unbiased	2.041	2.006	0.035
30	B11_Unbiased	2.090	2.064	0.026
30	C11_Unbiased	2.002	2.051	-0.051
30	C12_Unbiased	2.043	2.029	0.014
0	106_Corr	2.082	2.082	0.000
0	15B_Corr	2.045	2.045	0.000
50	A92_Biased	2.017	2.054	-0.037
50	A93_Biased	2.082	2.089	-0.007
50	B12_Biased	1.991	2.015	-0.024
50	B13_Biased	2.005	2.084	-0.079
50	C14_Biased	2.010	2.065	-0.055
50	A95_Unbiased	2.035	2.035	-0.002
50	A96_Unbiased	2.062	2.097	-0.035
50	B15_Unbiased	2.032	2.018	0.014
50	B16_Unbiased	2.026	2.035	-0.009
50	C15_Unbiased	2.054	2.034	0.020
0	106_Corr	2.068	2.068	0.000
100	A97_Biased	2.002	1.945	0.057
100	A99_Biased	2.047	1.978	0.069
100	A100_Biased	2.030	2.039	-0.009
100	A101_Biased	2.130	2.060	0.070
100	A102_Biased	2.125	2.038	0.087
100	A104_Biased	2.047	1.979	0.068
100	A105_Biased	1.978	1.958	0.020
100	B17_Biased	2.133	2.046	0.087
100	B18_Biased	2.097	2.075	0.022
100	B19_Biased	2.061	2.076	-0.015
100	B20_Biased	2.081	2.021	0.060
100	B21_Biased	2.099	2.032	0.067
100	B24_Biased	2.069	2.058	0.011
100	B25_Biased	2.066	2.033	0.033
100	B26_Biased	2.050	2.031	0.019
100	C16_Biased	2.071	2.038	0.033
100	C17_Biased	2.019	2.017	0.002
100	C18_Biased	2.050	2.011	0.039
100	C19_Biased	2.039	2.056	-0.017
100	C25_Biased	1.974	1.981	-0.007
100	C26_Biased	2.109	2.058	0.051
100	C31_Biased	2.067	2.061	0.006
100	A107_Unbiased	2.049	2.044	0.005
100	A108_Unbiased	2.054	1.993	0.061
100	A109_Unbiased	2.033	2.006	0.027
100	A110_Unbiased	2.068	2.015	0.053
100	A111_Unbiased	2.094	2.030	0.064
100	A112_Unbiased	2.059	1.998	0.061
100	A113_Unbiased	2.053	1.996	0.057
100	B27_Unbiased	2.129	2.423	-0.294
100	B29_Unbiased	2.092	2.116	-0.024
100	B30_Unbiased	2.094	2.065	0.029
100	B31_Unbiased	2.056	2.019	0.037
100	B32_Unbiased	2.078	2.040	0.038
100	B33_Unbiased	2.020	2.015	0.005
100	B34_Unbiased	2.035	2.046	-0.011
100	B35_Unbiased	2.008	2.050	-0.042
100	C32_Unbiased	2.007	2.006	0.001
100	C33_Unbiased	2.045	2.053	-0.008
100	C34_Unbiased	2.041	2.037	0.004
100	C35_Unbiased	2.039	2.029	0.010
100	C36_Unbiased	2.089	2.065	0.024
100	C37_Unbiased	1.961	1.998	-0.037
100	C38_Unbiased	2.057	2.044	0.013
	Max	2.423	2.423	0.000
	Average	2.046	2.040	0.006
	Min	1.902	1.945	-0.294
	Std Dev	0.042	0.053	0.048

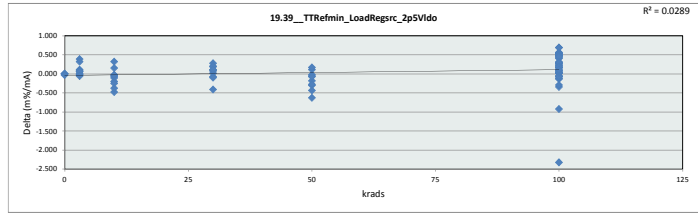


19.38_VTTRefmin_delta_2p5Vt						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	15	mV				
Min Limit	-15	mV				
Krads	0	3	10	30	50	100
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	2.004	1.982	1.991	1.945	2.015	1.945
Average	2.053	2.051	2.044	2.025	2.053	2.036
Max	2.082	2.106	2.080	2.075	2.097	2.423
UL	15.000	15.000	15.000	15.000	15.000	15.000

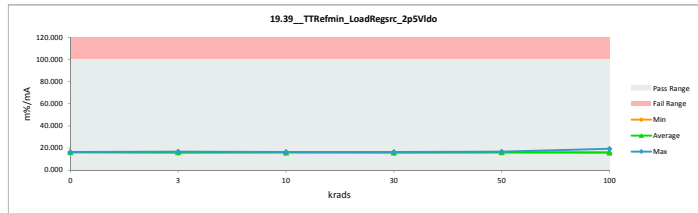


TID 100krad LDR Report
TPS7H3301-SP

19_39_TTRefmin_LoadRegrsc_2				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS			
Test Number	EF636800	EF636800		
Unit	m%/mA		m%/mA	
Max Limit	100		100	
Min Limit	0		0	
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	15.927	15.927	0.000
3	A79_Biased	15.920	15.943	-0.023
3	A80_Unbiased	16.483	16.089	0.394
3	B1_Biased	16.680	16.568	0.112
3	B2_Biased	16.771	16.759	0.012
3	C1_Biased	16.101	16.122	-0.021
3	A82_Unbiased	16.071	15.746	0.325
3	A83_Unbiased	16.140	16.074	0.066
3	B4_Unbiased	16.851	16.751	0.100
3	B5_Unbiased	16.497	16.437	0.060
3	C2_Unbiased	16.491	16.543	-0.052
10	A85_Biased	16.310	16.384	-0.074
10	A86_Biased	16.099	16.205	-0.106
10	B6_Biased	16.208	16.409	-0.201
10	C3_Biased	16.064	16.541	-0.477
10	C4_Biased	16.263	16.514	-0.251
10	A87_Unbiased	15.818	15.859	-0.041
10	A88_Unbiased	16.447	16.120	0.327
10	B7_Unbiased	16.398	16.242	0.156
10	C5_Unbiased	16.177	16.195	-0.018
10	C6_Unbiased	15.706	16.078	-0.372
0	106_Corr	16.420	16.420	0.000
30	A89_Biased	15.500	15.478	0.022
30	B8_Biased	16.667	16.479	0.188
30	B9_Biased	16.344	16.238	0.106
30	C7_Biased	16.213	16.287	-0.074
30	C9_Biased	15.783	15.878	-0.095
30	A90_Unbiased	15.952	15.870	0.082
30	B10_Unbiased	16.252	15.969	0.283
30	B11_Unbiased	16.618	16.410	0.208
30	C11_Unbiased	15.922	16.331	-0.409
30	C12_Unbiased	16.254	16.142	0.112
0	106_Corr	16.558	16.558	0.000
0	15B_Corr	16.297	16.297	0.000
50	A92_Biased	16.031	16.326	-0.295
50	A93_Biased	16.648	16.606	0.042
50	B12_Biased	15.856	16.039	-0.183
50	B13_Biased	15.959	16.588	-0.629
50	C14_Biased	15.991	16.424	-0.433
50	A95_Unbiased	16.205	16.223	-0.018
50	A96_Unbiased	16.403	16.677	-0.274
50	B15_Unbiased	16.145	16.032	0.113
50	B16_Unbiased	16.129	16.201	-0.072
50	C15_Unbiased	16.324	16.151	0.173
0	106_Corr	16.420	16.420	-0.029
100	A97_Biased	15.935	15.480	0.455
100	A99_Biased	16.276	15.726	0.550
100	A100_Biased	16.190	16.254	-0.064
100	A101_Biased	16.936	16.373	0.563
100	A102_Biased	16.887	16.190	0.697
100	A104_Biased	16.281	15.738	0.543
100	A105_Biased	15.758	15.590	0.168
100	B17_Biased	16.958	16.264	0.694
100	B18_Biased	16.725	16.552	0.173
100	B19_Biased	16.418	16.537	-0.119
100	B20_Biased	16.547	16.065	0.482
100	B21_Biased	16.688	16.155	0.533
100	B24_Biased	16.483	16.393	0.090
100	B25_Biased	16.446	16.185	0.261
100	B26_Biased	16.350	16.193	0.157
100	C16_Biased	16.457	16.193	0.264
100	C17_Biased	16.062	16.045	0.017
100	C18_Biased	16.293	15.979	0.314
100	C19_Biased	16.230	16.363	-0.133
100	C25_Biased	15.706	15.759	-0.053
100	C26_Biased	16.770	16.360	0.410
100	C31_Biased	16.414	16.373	0.041
100	A107_Unbiased	16.454	16.412	0.042
100	A108_Unbiased	16.336	15.845	0.491
100	A109_Unbiased	16.151	15.940	0.211
100	A110_Unbiased	16.439	16.015	0.424
100	A111_Unbiased	16.655	16.144	0.511
100	A112_Unbiased	16.362	15.871	0.491
100	A113_Unbiased	16.313	15.861	0.452
100	B27_Unbiased	16.962	19.288	-2.326
100	B29_Unbiased	15.126	16.047	-0.921
100	B30_Unbiased	16.663	16.631	0.032
100	B31_Unbiased	16.352	16.059	0.293
100	B32_Unbiased	16.530	16.221	0.309
100	B33_Unbiased	16.085	16.043	0.042
100	B34_Unbiased	16.204	16.287	-0.083
100	B35_Unbiased	15.994	16.332	-0.338
100	C32_Unbiased	15.980	15.972	0.008
100	C33_Unbiased	16.268	16.324	-0.056
100	C34_Unbiased	16.237	16.204	0.033
100	C35_Unbiased	16.235	16.158	0.077
100	C36_Unbiased	16.606	16.416	0.190
100	C37_Unbiased	15.623	15.915	-0.292
100	C38_Unbiased	16.365	16.254	0.111
	Max	16.962	19.288	0.697
	Average	16.289	16.229	0.051
	Min	15.126	15.478	-2.326
	Std Dev	0.334	0.425	0.384

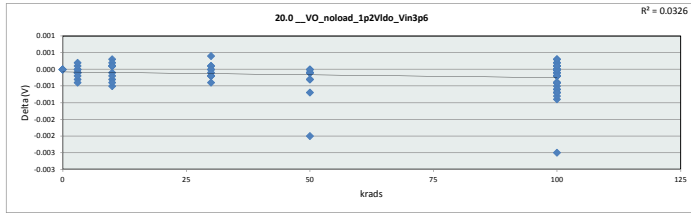


19_39_TTRefmin_LoadRegrsc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100		m%/mA			
Min Limit	0		m%/mA			
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	15.927	15.746	15.859	15.478	16.032	15.480
Average	16.330	16.303	16.255	16.108	16.327	16.200
Max	16.558	16.759	16.541	16.479	16.677	19.288
UL	100.000	100.000	100.000	100.000	100.000	100.000

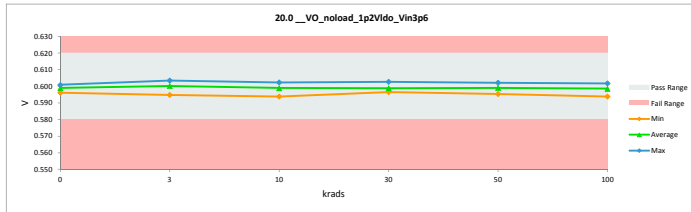


TID 100krad LDR Report
TPS7H3301-SP

20.0_VO_noload_1p2VIdo_Vin36				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.58	0.58		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.601	0.601	0.000
3	A79_Biased	0.603	0.604	0.000
3	A80_Biased	0.600	0.600	0.000
3	B1_Biased	0.602	0.602	0.000
3	B2_Biased	0.595	0.595	0.000
3	C1_Biased	0.598	0.598	0.000
3	A82_Unbiased	0.601	0.601	0.000
3	A83_Unbiased	0.602	0.601	0.000
3	B4_Unbiased	0.600	0.601	0.000
3	B5_Unbiased	0.600	0.600	0.000
3	C2_Unbiased	0.601	0.601	0.000
10	A85_Biased	0.594	0.594	0.000
10	A86_Biased	0.599	0.599	0.000
10	B6_Biased	0.602	0.602	0.000
10	C3_Biased	0.599	0.600	-0.001
10	C4_Biased	0.601	0.601	0.000
10	A87_Unbiased	0.597	0.597	0.000
10	A88_Unbiased	0.602	0.602	0.000
10	B7_Unbiased	0.599	0.599	0.000
10	C5_Unbiased	0.600	0.600	0.000
10	C6_Unbiased	0.596	0.596	0.000
0	106_Corr	0.599	0.599	0.000
30	A89_Biased	0.598	0.598	0.000
30	B8_Biased	0.603	0.603	0.000
30	B9_Biased	0.598	0.598	0.000
30	C7_Biased	0.598	0.598	0.000
30	C9_Biased	0.598	0.598	0.000
30	A90_Unbiased	0.600	0.600	0.000
30	B10_Unbiased	0.597	0.597	0.000
30	B11_Unbiased	0.600	0.600	0.000
30	C11_Unbiased	0.600	0.600	0.000
30	C12_Unbiased	0.599	0.599	0.000
0	106_Corr	0.599	0.599	0.000
0	15B_Corr	0.596	0.596	0.000
50	A92_Biased	0.600	0.600	0.000
50	A93_Biased	0.601	0.601	0.000
50	B12_Biased	0.596	0.596	0.000
50	B13_Biased	0.598	0.599	0.000
50	C14_Biased	0.598	0.599	-0.001
50	A95_Unbiased	0.595	0.595	0.000
50	A96_Unbiased	0.599	0.600	0.000
50	B15_Unbiased	0.601	0.601	0.000
50	B16_Unbiased	0.597	0.597	0.000
50	C15_Unbiased	0.600	0.602	-0.002
0	106_Corr	0.599	0.599	0.000
100	A97_Biased	0.598	0.598	0.000
100	A99_Biased	0.599	0.599	0.000
100	A100_Biased	0.595	0.595	0.000
100	A101_Biased	0.600	0.600	0.000
100	A102_Biased	0.601	0.601	0.000
100	A104_Biased	0.599	0.599	0.000
100	A105_Biased	0.596	0.596	0.000
100	B17_Biased	0.600	0.600	0.000
100	B18_Biased	0.594	0.594	0.000
100	B19_Biased	0.596	0.596	0.000
100	B20_Biased	0.600	0.600	0.000
100	B21_Biased	0.599	0.599	0.000
100	B24_Biased	0.597	0.597	0.000
100	B25_Biased	0.598	0.598	0.000
100	B26_Biased	0.595	0.595	0.000
100	C16_Biased	0.600	0.601	-0.001
100	C17_Biased	0.599	0.599	0.000
100	C18_Biased	0.600	0.600	-0.001
100	C19_Biased	0.598	0.599	0.000
100	C25_Biased	0.599	0.599	-0.001
100	C26_Biased	0.599	0.599	0.000
100	C31_Biased	0.601	0.602	0.000
100	A107_Unbiased	0.599	0.599	0.000
100	A108_Unbiased	0.598	0.599	0.000
100	A109_Unbiased	0.600	0.600	0.000
100	A110_Unbiased	0.600	0.600	0.000
100	A111_Unbiased	0.599	0.599	0.000
100	A112_Unbiased	0.600	0.600	0.000
100	A113_Unbiased	0.601	0.601	0.000
100	B27_Unbiased	0.597	0.599	-0.002
100	B29_Unbiased	0.599	0.600	-0.001
100	B30_Unbiased	0.598	0.598	0.000
100	B31_Unbiased	0.598	0.599	0.000
100	B32_Unbiased	0.599	0.599	0.000
100	B33_Unbiased	0.597	0.598	0.000
100	B34_Unbiased	0.597	0.597	0.000
100	B35_Unbiased	0.596	0.595	0.000
100	C32_Unbiased	0.597	0.597	0.000
100	C33_Unbiased	0.600	0.600	-0.001
100	C34_Unbiased	0.598	0.598	-0.001
100	C35_Unbiased	0.597	0.597	0.000
100	C36_Unbiased	0.601	0.601	0.000
100	C37_Unbiased	0.596	0.597	-0.001
100	C38_Unbiased	0.599	0.599	0.000
	Max	0.603	0.604	0.000
	Average	0.599	0.599	0.000
	Min	0.594	0.594	-0.002
	Std Dev	0.002	0.002	0.000

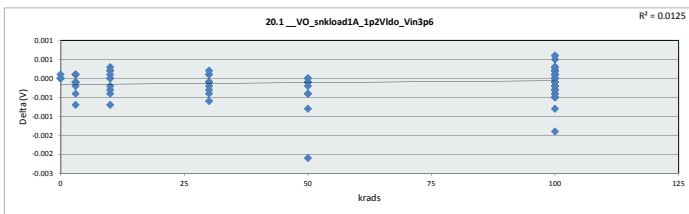


20.0_VO_noload_1p2VIdo_Vi						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.62					
Min Limit	0.58					
krads	0	3	10	30	50	100
LL	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.596	0.595	0.594	0.597	0.595	0.594
Average	0.599	0.600	0.599	0.599	0.599	0.599
Max	0.601	0.604	0.602	0.603	0.602	0.602
UL	0.620	0.620	0.620	0.620	0.620	0.620

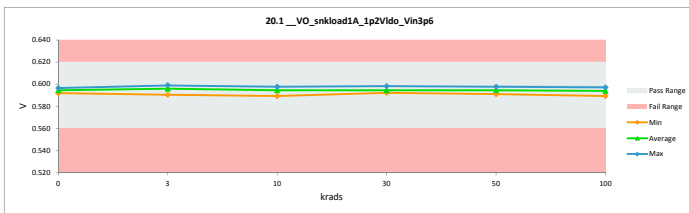


TID 100krad LDR Report
TPS7H3301-SP

20.1_VO_snkload1A_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.56	0.56		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.596	0.596	0.000
3	A79_Biased	0.599	0.599	0.000
3	A80_Biased	0.596	0.596	0.000
3	B1_Biased	0.597	0.597	0.000
3	B2_Biased	0.590	0.590	0.000
3	C1_Biased	0.594	0.594	-0.001
3	A82_Unbiased	0.596	0.596	0.000
3	A83_Unbiased	0.597	0.597	0.000
3	B4_Unbiased	0.596	0.596	0.000
3	B5_Unbiased	0.595	0.596	0.000
3	C2_Unbiased	0.596	0.597	0.000
10	A85_Biased	0.590	0.589	0.000
10	A86_Biased	0.594	0.594	0.000
10	B6_Biased	0.598	0.598	0.000
10	C3_Biased	0.594	0.595	-0.001
10	C4_Biased	0.596	0.597	0.000
10	A87_Unbiased	0.592	0.592	0.000
10	A88_Unbiased	0.598	0.598	0.000
10	B7_Unbiased	0.595	0.595	0.000
10	C5_Unbiased	0.596	0.596	0.000
10	C6_Unbiased	0.591	0.591	0.000
0	106_Corr	0.595	0.595	0.000
30	A89_Biased	0.593	0.593	0.000
30	B8_Biased	0.598	0.598	0.000
30	B9_Biased	0.594	0.594	0.000
30	C7_Biased	0.593	0.594	-0.001
30	C9_Biased	0.593	0.594	0.000
30	A90_Unbiased	0.595	0.595	0.000
30	B10_Unbiased	0.592	0.592	0.000
30	B11_Unbiased	0.595	0.595	0.000
30	C11_Unbiased	0.595	0.595	0.000
30	C12_Unbiased	0.594	0.594	0.000
0	106_Corr	0.595	0.595	0.000
0	15B_Corr	0.592	0.592	0.000
50	A92_Biased	0.596	0.596	0.000
50	A93_Biased	0.597	0.597	0.000
50	B12_Biased	0.591	0.592	0.000
50	B13_Biased	0.594	0.594	0.000
50	C14_Biased	0.594	0.595	-0.001
50	A95_Unbiased	0.591	0.591	0.000
50	A96_Unbiased	0.595	0.595	0.000
50	B15_Unbiased	0.597	0.597	0.000
50	B16_Unbiased	0.592	0.592	0.000
50	C15_Unbiased	0.595	0.598	-0.002
0	106_Corr	0.595	0.595	0.000
100	A97_Biased	0.593	0.593	0.000
100	A99_Biased	0.595	0.595	0.000
100	A100_Biased	0.591	0.591	0.000
100	A101_Biased	0.596	0.596	0.000
100	A102_Biased	0.596	0.596	0.001
100	A104_Biased	0.595	0.595	0.000
100	A105_Biased	0.591	0.591	0.000
100	B17_Biased	0.595	0.595	0.000
100	B18_Biased	0.589	0.589	0.000
100	B19_Biased	0.591	0.591	0.000
100	B20_Biased	0.596	0.596	0.000
100	B21_Biased	0.594	0.594	0.000
100	B24_Biased	0.593	0.593	0.000
100	B25_Biased	0.594	0.593	0.000
100	B26_Biased	0.591	0.590	0.000
100	C16_Biased	0.596	0.596	0.000
100	C17_Biased	0.594	0.594	0.000
100	C18_Biased	0.596	0.596	-0.001
100	C19_Biased	0.594	0.594	0.000
100	C25_Biased	0.594	0.594	0.000
100	C26_Biased	0.594	0.595	0.000
100	C31_Biased	0.597	0.597	0.000
100	A107_Unbiased	0.595	0.594	0.000
100	A108_Unbiased	0.594	0.594	0.000
100	A109_Unbiased	0.596	0.595	0.000
100	A110_Unbiased	0.595	0.595	0.000
100	A111_Unbiased	0.595	0.595	0.000
100	A112_Unbiased	0.595	0.595	0.000
100	A113_Unbiased	0.597	0.597	0.000
100	B27_Unbiased	0.592	0.594	-0.001
100	B29_Unbiased	0.595	0.595	0.000
100	B30_Unbiased	0.593	0.593	0.000
100	B31_Unbiased	0.594	0.594	0.000
100	B32_Unbiased	0.595	0.595	0.000
100	B33_Unbiased	0.593	0.593	0.000
100	B34_Unbiased	0.593	0.593	0.000
100	B35_Unbiased	0.591	0.591	0.001
100	C32_Unbiased	0.592	0.592	0.000
100	C33_Unbiased	0.595	0.595	0.000
100	C34_Unbiased	0.593	0.593	0.000
100	C35_Unbiased	0.593	0.593	0.000
100	C36_Unbiased	0.596	0.596	0.000
100	C37_Unbiased	0.592	0.592	-0.001
100	C38_Unbiased	0.595	0.595	0.000
	Max	0.599	0.599	0.001
	Average	0.594	0.594	0.000
	Min	0.589	0.589	-0.002
	Std Dev	0.002	0.002	0.000

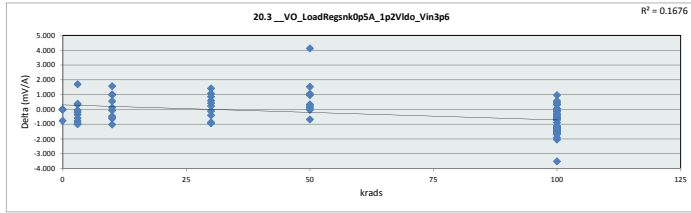


20.1_VO_snkload1A_1p2VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.62 V					
Min Limit	0.56 V					
krads	0	3	10	30	50	100
LL	0.560	0.560	0.560	0.560	0.560	0.560
Min	0.592	0.590	0.589	0.592	0.591	0.589
Average	0.595	0.596	0.594	0.595	0.595	0.594
Max	0.597	0.599	0.598	0.598	0.598	0.597
UL	0.620	0.620	0.620	0.620	0.620	0.620

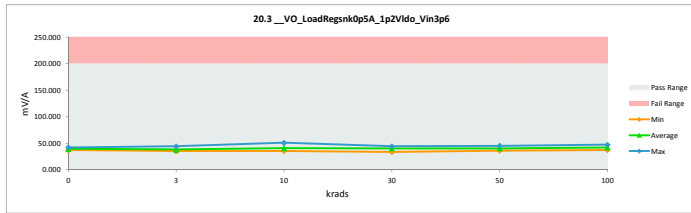


TID 100krad LDR Report
TPS7H3301-SP

20.3_VO_LoadRegnsOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	36.826	36.826	0.000
3	A79_Biased	34.720	35.064	-0.344
3	A80_Unbiased	39.525	40.454	-0.929
3	B1_Biased	35.086	35.274	-0.188
3	B2_Biased	43.984	44.032	-0.048
3	C1_Biased	42.796	41.090	1.706
3	A82_Unbiased	37.624	38.404	-0.780
3	A83_Unbiased	37.240	38.228	-0.988
3	B4_Unbiased	35.544	35.209	0.335
3	B5_Unbiased	35.684	36.270	-0.586
3	C2_Unbiased	38.270	37.887	0.383
10	A85_Biased	49.830	50.851	-1.021
10	A86_Biased	41.588	41.657	-0.067
10	B6_Biased	35.593	35.461	0.132
10	C3_Biased	41.043	39.480	1.563
10	C4_Biased	38.521	37.510	1.011
10	A87_Unbiased	42.389	42.857	-0.468
10	A88_Unbiased	34.766	35.366	-0.600
10	B7_Unbiased	38.232	38.789	-0.557
10	C5_Unbiased	39.744	38.750	0.994
10	C6_Unbiased	44.504	43.957	0.547
0	106_Corr	39.282	39.282	0.000
30	A89_Biased	41.865	42.729	-0.864
30	B8_Biased	33.456	33.570	-0.114
30	B9_Biased	39.943	39.524	0.419
30	C7_Biased	42.893	41.473	1.420
30	C9_Biased	42.066	40.987	1.079
30	A90_Unbiased	41.123	41.508	-0.385
30	B10_Unbiased	43.121	44.045	-0.924
30	B11_Unbiased	39.199	38.958	0.241
30	C11_Unbiased	38.831	38.230	0.601
30	C12_Unbiased	40.647	39.790	0.857
0	106_Corr	38.813	38.813	0.000
0	158_Corr	41.946	41.946	0.000
50	A92_Biased	38.367	38.023	0.344
50	A93_Biased	35.940	35.830	0.110
50	B12_Biased	46.108	45.137	0.971
50	B13_Biased	38.077	38.751	-0.674
50	C14_Biased	42.073	40.536	1.537
50	A95_Unbiased	43.924	43.947	-0.023
50	A96_Unbiased	39.025	39.004	0.021
50	B15_Unbiased	38.341	38.115	0.226
50	B16_Unbiased	45.309	44.264	1.045
50	C15_Unbiased	41.110	36.979	4.131
0	106_Corr	39.282	40.051	-0.769
100	A97_Biased	42.585	43.931	-1.346
100	A99_Biased	41.621	42.512	-0.891
100	A100_Biased	43.221	43.782	-0.561
100	A101_Biased	38.216	39.562	-1.346
100	A102_Biased	38.174	41.677	-3.503
100	A104_Biased	39.042	39.763	-0.721
100	A105_Biased	44.868	46.426	-1.558
100	B17_Biased	37.656	39.152	-1.496
100	B18_Biased	46.411	47.053	-0.642
100	B19_Biased	44.106	45.635	-1.529
100	B20_Biased	37.480	37.409	0.071
100	B21_Biased	43.086	44.293	-1.207
100	B24_Biased	39.462	40.599	-1.137
100	B25_Biased	40.530	41.165	-0.635
100	B26_Biased	41.918	43.385	-1.467
100	C16_Biased	40.731	40.255	0.476
100	C17_Biased	42.799	43.400	-0.601
100	C18_Biased	41.752	40.774	0.978
100	C19_Biased	40.429	40.397	0.032
100	C25_Biased	41.060	40.750	0.310
100	C26_Biased	42.915	43.065	-0.150
100	C31_Biased	38.181	38.316	-0.135
100	A107_Unbiased	39.047	40.679	-1.632
100	A108_Unbiased	43.183	44.878	-1.695
100	A109_Unbiased	40.371	41.499	-1.128
100	A110_Unbiased	40.053	42.087	-2.034
100	A111_Unbiased	39.989	41.606	-1.617
100	A112_Unbiased	41.981	43.394	-1.413
100	A113_Unbiased	35.821	37.145	-1.324
100	B27_Unbiased	40.077	40.144	-0.067
100	B29_Unbiased	38.903	39.335	-0.432
100	B30_Unbiased	42.573	43.882	-1.309
100	B31_Unbiased	41.933	43.301	-1.368
100	B32_Unbiased	39.627	40.916	-1.289
100	B33_Unbiased	40.073	41.456	-1.383
100	B34_Unbiased	42.244	43.457	-1.213
100	B35_Unbiased	45.296	47.200	-1.904
100	C32_Unbiased	44.203	44.799	-0.596
100	C33_Unbiased	37.946	37.603	0.343
100	C34_Unbiased	44.137	43.693	0.444
100	C35_Unbiased	41.435	41.747	-0.312
100	C36_Unbiased	37.721	38.171	-0.450
100	C37_Unbiased	43.997	43.424	0.573
100	C38_Unbiased	40.054	40.351	-0.297
	Max	49.830	50.851	4.131
	Average	40.462	40.775	-0.313
	Min	33.456	33.570	-3.503
	Std Dev	2.997	3.153	1.045

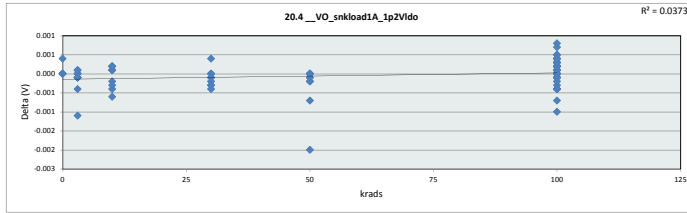


20.3_VO_LoadRegnsOp5A_1						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	36.826	35.064	35.366	33.570	35.830	37.145
Average	39.384	38.191	40.468	40.081	40.059	41.911
Max	41.946	44.032	50.851	44.045	45.137	47.200
UL	200.000	200.000	200.000	200.000	200.000	200.000

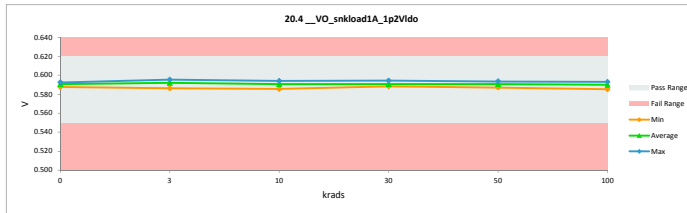


TID 100krad LDR Report
TPS7H3301-SP

20.4_VO_snkload1A_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.55	0.55		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.592	0.592	0.000
3	A79_Biased	0.595	0.595	0.000
3	A80_Biased	0.592	0.592	0.000
3	B1_Biased	0.593	0.593	0.000
3	B2_Biased	0.586	0.586	0.000
3	C1_Biased	0.589	0.590	-0.001
3	A82_Unbiased	0.593	0.593	0.000
3	A83_Unbiased	0.594	0.593	0.000
3	B4_Unbiased	0.592	0.592	0.000
3	B5_Unbiased	0.592	0.592	0.000
3	C2_Unbiased	0.592	0.593	0.000
10	A85_Biased	0.586	0.586	0.000
10	A86_Biased	0.590	0.590	0.000
10	B6_Biased	0.594	0.594	0.000
10	C3_Biased	0.590	0.591	-0.001
10	C4_Biased	0.592	0.593	0.000
10	A87_Unbiased	0.588	0.588	0.000
10	A88_Unbiased	0.594	0.594	0.000
10	B7_Unbiased	0.591	0.590	0.000
10	C5_Unbiased	0.592	0.592	0.000
10	C6_Unbiased	0.587	0.587	0.000
0	106_Corr	0.591	0.591	0.000
30	A89_Biased	0.589	0.589	0.000
30	B8_Biased	0.594	0.594	0.000
30	B9_Biased	0.590	0.590	0.000
30	C7_Biased	0.589	0.590	0.000
30	C9_Biased	0.589	0.590	0.000
30	A90_Unbiased	0.591	0.591	0.000
30	B10_Unbiased	0.589	0.588	0.000
30	B11_Unbiased	0.592	0.592	0.000
30	C11_Unbiased	0.591	0.591	0.000
30	C12_Unbiased	0.590	0.590	0.000
0	106_Corr	0.591	0.591	0.000
0	15B_Corr	0.588	0.588	0.000
50	A92_Biased	0.592	0.592	0.000
50	A93_Biased	0.593	0.593	0.000
50	B12_Biased	0.588	0.588	0.000
50	B13_Biased	0.590	0.590	0.000
50	C14_Biased	0.590	0.590	-0.001
50	A95_Unbiased	0.587	0.587	0.000
50	A96_Unbiased	0.591	0.591	0.000
50	B15_Unbiased	0.593	0.593	0.000
50	B16_Unbiased	0.588	0.588	0.000
50	C15_Unbiased	0.591	0.594	-0.002
0	106_Corr	0.591	0.591	0.000
100	A97_Biased	0.589	0.589	0.000
100	A99_Biased	0.591	0.591	0.000
100	A100_Biased	0.587	0.587	0.000
100	A101_Biased	0.592	0.591	0.000
100	A102_Biased	0.592	0.591	0.001
100	A104_Biased	0.591	0.591	0.000
100	A105_Biased	0.587	0.587	0.000
100	B17_Biased	0.592	0.591	0.000
100	B18_Biased	0.585	0.585	0.000
100	B19_Biased	0.587	0.587	0.000
100	B20_Biased	0.592	0.592	0.000
100	B21_Biased	0.590	0.590	0.000
100	B24_Biased	0.589	0.589	0.000
100	B25_Biased	0.590	0.589	0.000
100	B26_Biased	0.587	0.586	0.000
100	C16_Biased	0.592	0.592	0.000
100	C17_Biased	0.590	0.590	0.000
100	C18_Biased	0.591	0.592	-0.001
100	C19_Biased	0.590	0.590	0.000
100	C25_Biased	0.590	0.590	0.000
100	C26_Biased	0.590	0.591	0.000
100	C31_Biased	0.593	0.593	0.000
100	A107_Unbiased	0.591	0.590	0.000
100	A108_Unbiased	0.590	0.590	0.000
100	A109_Unbiased	0.592	0.592	0.000
100	A110_Unbiased	0.592	0.591	0.001
100	A111_Unbiased	0.591	0.590	0.001
100	A112_Unbiased	0.591	0.591	0.000
100	A113_Unbiased	0.593	0.593	0.000
100	B27_Unbiased	0.589	0.590	-0.001
100	B29_Unbiased	0.591	0.591	0.000
100	B30_Unbiased	0.589	0.589	0.000
100	B31_Unbiased	0.590	0.590	0.000
100	B32_Unbiased	0.591	0.591	0.000
100	B33_Unbiased	0.589	0.589	0.000
100	B34_Unbiased	0.589	0.589	0.000
100	B35_Unbiased	0.587	0.587	0.001
100	C32_Unbiased	0.588	0.588	0.000
100	C33_Unbiased	0.591	0.592	0.000
100	C34_Unbiased	0.589	0.589	0.000
100	C35_Unbiased	0.589	0.589	0.000
100	C36_Unbiased	0.592	0.592	0.000
100	C37_Unbiased	0.587	0.588	0.000
100	C38_Unbiased	0.591	0.591	0.000
	Max	0.595	0.595	0.001
	Average	0.590	0.590	0.000
	Min	0.585	0.585	-0.002
	Std Dev	0.002	0.002	0.000

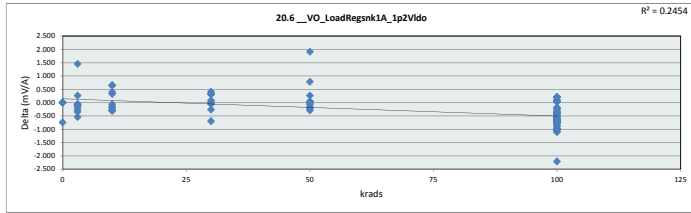


20.4_VO_snkload1A_1p2Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.62	V				
Min Limit	0.55	V				
Krads	0	3	10	30	50	100
LL	0.550	0.550	0.550	0.550	0.550	0.550
Min	0.588	0.586	0.586	0.588	0.587	0.585
Average	0.591	0.592	0.591	0.591	0.591	0.590
Max	0.593	0.595	0.594	0.594	0.594	0.593
UL	0.620	0.620	0.620	0.620	0.620	0.620

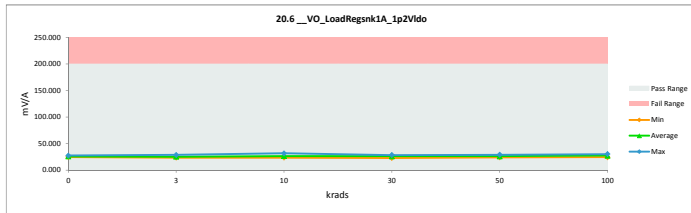


TID 100krad LDR Report
TPS7H3301-SP

20.6_VO_LoadReqsnk1A_1p2V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	25.106	25.106	0.000
3	A79_Biased	23.577	23.706	-0.129
3	A80_Biased	26.243	26.782	-0.539
3	B1_Biased	23.937	24.014	-0.077
3	B2_Biased	28.757	28.934	-0.177
3	C1_Biased	28.361	26.912	1.449
3	A82_Unbiased	25.165	25.434	-0.269
3	A83_Unbiased	25.033	25.384	-0.351
3	B4_Unbiased	23.968	24.022	-0.054
3	B5_Unbiased	24.269	24.346	-0.077
3	C2_Unbiased	25.634	25.368	0.266
10	A85_Biased	31.749	32.020	-0.271
10	A86_Biased	27.390	27.536	-0.146
10	B6_Biased	24.154	24.217	-0.063
10	C3_Biased	26.883	26.255	0.628
10	C4_Biased	25.727	25.406	0.321
10	A87_Unbiased	27.731	28.026	-0.295
10	A88_Unbiased	23.621	23.814	-0.193
10	B7_Unbiased	25.802	26.113	-0.311
10	C5_Unbiased	26.455	25.794	0.661
10	C6_Unbiased	29.055	28.657	0.398
0	106_Corr	25.878	25.878	0.000
30	A89_Biased	27.720	27.987	-0.267
30	B8_Biased	23.117	23.132	-0.015
30	B9_Biased	26.474	26.471	0.003
30	C7_Biased	27.874	27.470	0.404
30	C9_Biased	27.546	27.211	0.335
30	A90_Unbiased	27.147	27.212	-0.065
30	B10_Unbiased	28.086	28.786	-0.700
30	B11_Unbiased	25.926	25.841	0.085
30	C11_Unbiased	25.939	25.630	0.309
30	C12_Unbiased	26.773	26.464	0.309
0	106_Corr	25.999	25.999	0.000
0	15B_Corr	27.876	27.876	0.000
50	A92_Biased	25.415	25.373	0.042
50	A93_Biased	24.318	24.287	0.031
50	B12_Biased	29.662	29.406	0.256
50	B13_Biased	25.553	25.844	-0.291
50	C14_Biased	27.674	26.893	0.781
50	A95_Unbiased	28.553	28.712	-0.159
50	A96_Unbiased	26.125	26.194	-0.069
50	B15_Unbiased	25.419	25.654	-0.235
50	B16_Unbiased	28.885	28.925	-0.040
50	C15_Unbiased	27.204	25.301	1.903
0	106_Corr	25.878	25.878	-0.745
100	A97_Biased	27.917	28.626	-0.709
100	A99_Biased	27.123	27.766	-0.643
100	A100_Biased	28.192	28.571	-0.379
100	A101_Biased	25.537	26.296	-0.759
100	A102_Biased	25.504	27.715	-2.211
100	A104_Biased	25.789	26.294	-0.505
100	A105_Biased	29.126	29.940	-0.814
100	B17_Biased	25.180	26.080	-0.900
100	B18_Biased	29.524	30.357	-0.833
100	B19_Biased	28.687	29.667	-0.980
100	B20_Biased	25.219	25.203	0.016
100	B21_Biased	27.906	28.681	-0.775
100	B24_Biased	26.444	26.862	-0.418
100	B25_Biased	26.789	27.562	-0.773
100	B26_Biased	27.554	28.300	-0.746
100	C16_Biased	27.044	26.937	0.107
100	C17_Biased	28.215	28.631	-0.416
100	C18_Biased	27.454	27.246	0.208
100	C19_Biased	26.943	27.129	-0.186
100	C25_Biased	27.024	26.988	0.036
100	C26_Biased	28.021	28.257	-0.236
100	C31_Biased	25.574	25.783	-0.209
100	A107_Unbiased	25.992	26.981	-0.989
100	A108_Unbiased	28.307	29.183	-0.876
100	A109_Unbiased	26.431	27.135	-0.704
100	A110_Unbiased	26.372	27.476	-1.104
100	A111_Unbiased	26.438	27.452	-1.014
100	A112_Unbiased	27.745	28.461	-0.716
100	A113_Unbiased	24.222	24.851	-0.629
100	B27_Unbiased	26.588	27.281	-0.693
100	B29_Unbiased	25.480	26.501	-1.021
100	B30_Unbiased	27.758	28.489	-0.731
100	B31_Unbiased	27.690	28.285	-0.595
100	B32_Unbiased	26.151	26.888	-0.737
100	B33_Unbiased	26.554	27.217	-0.663
100	B34_Unbiased	27.666	28.433	-0.767
100	B35_Unbiased	29.419	30.495	-1.076
100	C32_Unbiased	28.852	29.200	-0.348
100	C33_Unbiased	25.393	25.333	0.060
100	C34_Unbiased	28.730	28.524	0.206
100	C35_Unbiased	27.195	27.628	-0.433
100	C36_Unbiased	25.509	25.727	-0.218
100	C37_Unbiased	28.969	28.765	0.204
100	C38_Unbiased	26.469	26.771	-0.302
	Max	31.749	32.020	1.903
	Average	26.749	26.998	-0.249
	Min	23.117	23.132	-2.211
	Std Dev	1.611	1.696	0.557

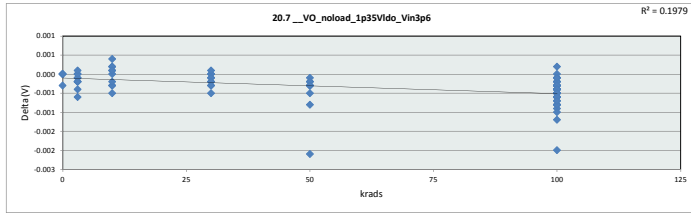


20.6_VO_LoadReqsnk1A_1p2					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	200	mV/A			
Min Limit	0	mV/A			
krads	0	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	25.106	23.706	23.814	23.132	24.287
Average	26.296	25.490	26.784	26.620	26.659
Max	27.876	28.934	32.020	28.786	29.406
UL	200.000	200.000	200.000	200.000	200.000

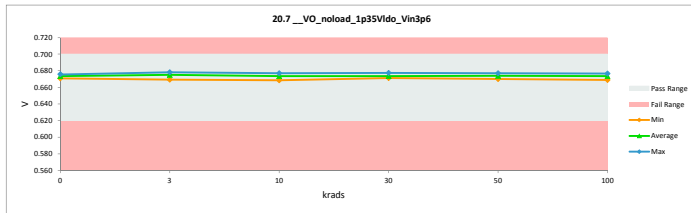


TID 100krad LDR Report
TPS7H3301-SP

20.7_VO_noload_1p35VIdo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.676	0.676	0.000
3	A79_Biased	0.678	0.678	0.000
3	A80_Biased	0.675	0.675	0.000
3	B1_Biased	0.676	0.676	0.000
3	B2_Biased	0.669	0.669	0.000
3	C1_Biased	0.673	0.673	-0.001
3	A82_Unbiased	0.675	0.675	0.000
3	A83_Unbiased	0.676	0.676	0.000
3	B4_Unbiased	0.675	0.675	0.000
3	B5_Unbiased	0.675	0.675	0.000
3	C2_Unbiased	0.675	0.676	0.000
10	A85_Biased	0.669	0.669	0.000
10	A86_Biased	0.673	0.673	0.000
10	B6_Biased	0.677	0.677	0.000
10	C3_Biased	0.674	0.674	0.000
10	C4_Biased	0.676	0.676	0.000
10	A87_Unbiased	0.671	0.671	0.000
10	A88_Unbiased	0.677	0.677	0.000
10	B7_Unbiased	0.674	0.674	0.000
10	C5_Unbiased	0.675	0.675	0.000
10	C6_Unbiased	0.670	0.671	0.000
0	106_Corr	0.674	0.674	0.000
30	A89_Biased	0.672	0.672	0.000
30	B8_Biased	0.677	0.677	0.000
30	B9_Biased	0.673	0.673	0.000
30	C7_Biased	0.672	0.673	-0.001
30	C9_Biased	0.672	0.673	0.000
30	A90_Unbiased	0.675	0.675	0.000
30	B10_Unbiased	0.671	0.671	0.000
30	B11_Unbiased	0.674	0.675	0.000
30	C11_Unbiased	0.674	0.674	0.000
30	C12_Unbiased	0.673	0.674	0.000
0	106_Corr	0.674	0.674	0.000
0	15B_Corr	0.671	0.671	0.000
50	A92_Biased	0.675	0.675	0.000
50	A93_Biased	0.676	0.676	0.000
50	B12_Biased	0.671	0.671	0.000
50	B13_Biased	0.673	0.673	0.000
50	C14_Biased	0.673	0.674	-0.001
50	A95_Unbiased	0.670	0.670	0.000
50	A96_Unbiased	0.674	0.674	0.000
50	B15_Unbiased	0.676	0.676	0.000
50	B16_Unbiased	0.671	0.672	0.000
50	C15_Unbiased	0.675	0.677	-0.002
0	106_Corr	0.674	0.674	0.000
100	A97_Biased	0.672	0.673	0.000
100	A99_Biased	0.674	0.674	0.000
100	A100_Biased	0.670	0.670	-0.001
100	A101_Biased	0.675	0.675	0.000
100	A102_Biased	0.675	0.675	0.000
100	A104_Biased	0.674	0.675	-0.001
100	A105_Biased	0.670	0.671	0.000
100	B17_Biased	0.674	0.675	0.000
100	B18_Biased	0.669	0.669	-0.001
100	B19_Biased	0.670	0.671	0.000
100	B20_Biased	0.675	0.675	-0.001
100	B21_Biased	0.673	0.674	0.000
100	B24_Biased	0.672	0.672	-0.001
100	B25_Biased	0.673	0.673	0.000
100	B26_Biased	0.669	0.670	0.000
100	C16_Biased	0.675	0.676	-0.001
100	C17_Biased	0.673	0.674	0.000
100	C18_Biased	0.674	0.675	-0.001
100	C19_Biased	0.673	0.674	0.000
100	C25_Biased	0.673	0.674	-0.001
100	C26_Biased	0.674	0.674	-0.001
100	C31_Biased	0.676	0.677	-0.001
100	A107_Unbiased	0.674	0.674	0.000
100	A108_Unbiased	0.673	0.674	0.000
100	A109_Unbiased	0.675	0.675	0.000
100	A110_Unbiased	0.674	0.675	0.000
100	A111_Unbiased	0.674	0.674	0.000
100	A112_Unbiased	0.675	0.675	0.000
100	A113_Unbiased	0.676	0.676	0.000
100	B27_Unbiased	0.671	0.673	-0.002
100	B29_Unbiased	0.674	0.675	0.000
100	B30_Unbiased	0.672	0.673	0.000
100	B31_Unbiased	0.673	0.674	-0.001
100	B32_Unbiased	0.674	0.674	0.000
100	B33_Unbiased	0.672	0.672	0.000
100	B34_Unbiased	0.672	0.672	0.000
100	B35_Unbiased	0.670	0.670	0.000
100	C32_Unbiased	0.671	0.672	-0.001
100	C33_Unbiased	0.674	0.675	-0.001
100	C34_Unbiased	0.672	0.673	-0.001
100	C35_Unbiased	0.672	0.672	-0.001
100	C36_Unbiased	0.675	0.676	-0.001
100	C37_Unbiased	0.671	0.672	-0.001
100	C38_Unbiased	0.674	0.674	-0.001
	Max	0.678	0.678	0.000
	Average	0.673	0.674	0.000
	Min	0.668	0.669	-0.002
	Std Dev	0.002	0.002	0.000



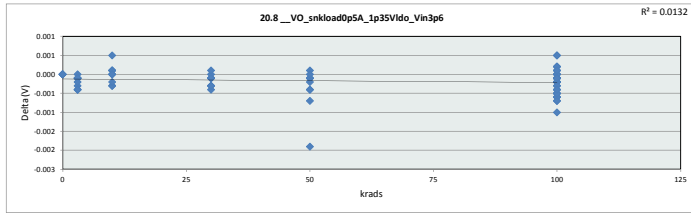
20.7_VO_noload_1p35VIdo_Vin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.7					
Min Limit	0.62					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.671	0.670	0.669	0.671	0.670	0.669
Average	0.674	0.675	0.674	0.674	0.674	0.674
Max	0.676	0.678	0.677	0.677	0.677	0.677
UL	0.700	0.700	0.700	0.700	0.700	0.700



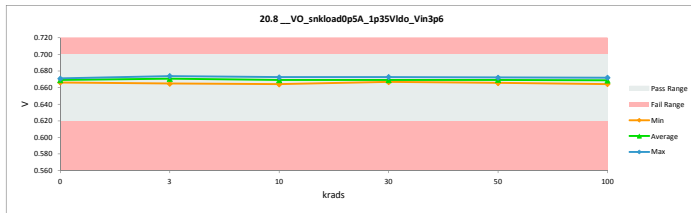
TID 100krad LDR Report
TPS7H3301-SP

20.8_VO_snkloadOp5A_1p35V			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.7	0.7	
Min Limit	0.62	0.62	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.671	0.671	0.000
3	A79_Biased	0.674	0.674	0.000
3	A80_Biased	0.670	0.670	0.000
3	B1_Biased	0.672	0.672	0.000
3	B2_Biased	0.665	0.665	0.000
3	C1_Biased	0.668	0.668	0.000
3	A82_Unbiased	0.671	0.671	0.000
3	A83_Unbiased	0.672	0.672	0.000
3	B4_Unbiased	0.671	0.671	0.000
3	B5_Unbiased	0.670	0.670	0.000
3	C2_Unbiased	0.671	0.671	0.000
10	A85_Biased	0.664	0.664	0.001
10	A86_Biased	0.669	0.669	0.000
10	B6_Biased	0.672	0.672	0.000
10	C3_Biased	0.669	0.669	0.000
10	C4_Biased	0.671	0.671	0.000
10	A87_Unbiased	0.667	0.667	0.000
10	A88_Unbiased	0.673	0.673	0.000
10	B7_Unbiased	0.669	0.669	0.000
10	C5_Unbiased	0.670	0.670	0.000
10	C6_Unbiased	0.666	0.666	0.000
0	106_Corr	0.669	0.669	0.000
30	A89_Biased	0.668	0.668	0.000
30	B8_Biased	0.673	0.673	0.000
30	B9_Biased	0.668	0.668	0.000
30	C7_Biased	0.668	0.668	0.000
30	C9_Biased	0.668	0.668	0.000
30	A90_Unbiased	0.670	0.670	0.000
30	B10_Unbiased	0.667	0.667	0.000
30	B11_Unbiased	0.670	0.670	0.000
30	C11_Unbiased	0.670	0.670	0.000
30	C12_Unbiased	0.669	0.669	0.000
0	106_Corr	0.669	0.669	0.000
0	15B_Corr	0.666	0.666	0.000
50	A92_Biased	0.671	0.671	0.000
50	A93_Biased	0.671	0.671	0.000
50	B12_Biased	0.666	0.667	0.000
50	B13_Biased	0.668	0.669	0.000
50	C14_Biased	0.668	0.669	-0.001
50	A95_Unbiased	0.665	0.666	0.000
50	A96_Unbiased	0.669	0.670	0.000
50	B15_Unbiased	0.671	0.671	0.000
50	B16_Unbiased	0.667	0.667	0.000
50	C15_Unbiased	0.670	0.672	-0.002
0	106_Corr	0.669	0.669	0.000
100	A97_Biased	0.667	0.668	0.000
100	A99_Biased	0.669	0.669	0.000
100	A100_Biased	0.665	0.666	-0.001
100	A101_Biased	0.670	0.670	0.000
100	A102_Biased	0.671	0.670	0.000
100	A104_Biased	0.670	0.670	0.000
100	A105_Biased	0.666	0.666	0.000
100	B17_Biased	0.670	0.670	0.000
100	B18_Biased	0.664	0.664	0.000
100	B19_Biased	0.666	0.666	0.000
100	B20_Biased	0.670	0.671	-0.001
100	B21_Biased	0.669	0.669	0.000
100	B24_Biased	0.667	0.667	0.000
100	B25_Biased	0.668	0.668	0.000
100	B26_Biased	0.665	0.665	0.000
100	C16_Biased	0.670	0.671	-0.001
100	C17_Biased	0.669	0.669	0.000
100	C18_Biased	0.670	0.671	-0.001
100	C19_Biased	0.669	0.669	0.000
100	C25_Biased	0.669	0.669	0.000
100	C26_Biased	0.669	0.669	0.000
100	C31_Biased	0.672	0.672	0.000
100	A107_Unbiased	0.669	0.669	0.000
100	A108_Unbiased	0.669	0.669	0.000
100	A109_Unbiased	0.670	0.670	0.000
100	A110_Unbiased	0.670	0.670	0.000
100	A111_Unbiased	0.669	0.669	0.000
100	A112_Unbiased	0.670	0.670	0.000
100	A113_Unbiased	0.671	0.671	0.000
100	B27_Unbiased	0.667	0.668	-0.001
100	B29_Unbiased	0.670	0.670	0.000
100	B30_Unbiased	0.668	0.668	0.000
100	B31_Unbiased	0.668	0.669	-0.001
100	B32_Unbiased	0.669	0.669	0.000
100	B33_Unbiased	0.667	0.668	0.000
100	B34_Unbiased	0.668	0.667	0.000
100	B35_Unbiased	0.666	0.665	0.000
100	C32_Unbiased	0.667	0.667	0.000
100	C33_Unbiased	0.670	0.670	-0.001
100	C34_Unbiased	0.668	0.668	-0.001
100	C35_Unbiased	0.668	0.668	0.000
100	C36_Unbiased	0.671	0.671	0.000
100	C37_Unbiased	0.666	0.667	-0.001
100	C38_Unbiased	0.669	0.670	0.000
	Max	0.674	0.674	0.001
	Average	0.669	0.669	0.000
	Min	0.664	0.664	-0.002
	Std Dev	0.002	0.002	0.000

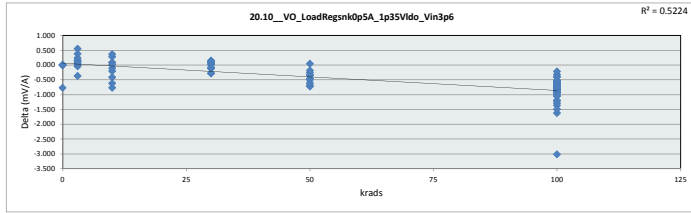


20.8_VO_snkloadOp5A_1p35						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	V					
Min Limit	0.62					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.666	0.665	0.664	0.667	0.666	0.664
Average	0.669	0.671	0.669	0.669	0.669	0.669
Max	0.671	0.674	0.673	0.673	0.672	0.672
UL	0.700	0.700	0.700	0.700	0.700	0.700

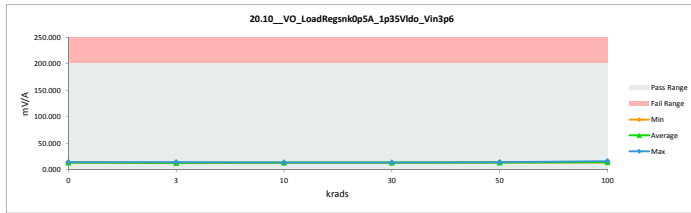


TID 100krad LDR Report
TPS7H3301-SP

20_10_VO_LoadReqsnpOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	14.080	14.080	0.000
3	A79_Biased	13.318	12.765	0.553
3	A80_Unbiased	13.805	13.640	0.165
3	B1_Biased	13.328	13.375	-0.047
3	B2_Biased	13.611	13.610	0.001
3	C1_Biased	14.123	14.494	-0.371
3	A82_Unbiased	13.454	13.316	0.138
3	A83_Unbiased	13.485	13.249	0.236
3	B4_Unbiased	13.194	13.084	0.110
3	B5_Unbiased	13.215	12.836	0.379
3	C2_Unbiased	13.391	13.342	0.049
10	A85_Biased	13.372	13.577	-0.205
10	A86_Biased	13.816	13.977	-0.279
10	B6_Biased	13.416	13.831	-0.415
10	C3_Biased	13.362	13.982	-0.620
10	C4_Biased	13.098	13.869	-0.771
10	A87_Unbiased	13.582	13.499	0.083
10	A88_Unbiased	13.381	13.016	0.365
10	B7_Unbiased	13.578	13.486	0.092
10	C5_Unbiased	13.474	13.584	-0.110
10	C6_Unbiased	13.712	13.705	0.007
0	106_Corr	13.606	13.606	0.000
30	A89_Biased	13.674	13.655	0.019
30	B8_Biased	13.272	13.549	-0.277
30	B9_Biased	13.683	13.804	-0.121
30	C7_Biased	13.529	13.602	-0.073
30	C9_Biased	13.746	13.592	0.154
30	A90_Unbiased	13.531	13.443	0.088
30	B10_Unbiased	13.489	13.452	0.037
30	B11_Unbiased	12.911	13.197	-0.286
30	C11_Unbiased	13.785	13.686	0.099
30	C12_Unbiased	13.337	13.240	0.097
0	106_Corr	14.052	14.052	0.000
0	15B_Corr	13.898	13.898	0.000
50	A92_Biased	13.385	13.885	-0.500
50	A93_Biased	13.355	13.817	-0.462
50	B12_Biased	13.496	13.834	-0.338
50	B13_Biased	13.443	14.120	-0.677
50	C14_Biased	13.795	14.054	-0.259
50	A95_Unbiased	13.482	13.667	-0.185
50	A96_Unbiased	13.615	13.962	-0.347
50	B15_Unbiased	13.275	13.997	-0.722
50	B16_Unbiased	13.581	13.540	0.041
50	C15_Unbiased	13.630	14.239	-0.609
0	106_Corr	13.606	14.377	-0.771
100	A97_Biased	14.052	14.372	-0.320
100	A99_Biased	13.266	14.023	-0.757
100	A100_Biased	13.995	14.210	-0.215
100	A101_Biased	13.583	14.146	-0.563
100	A102_Biased	13.731	14.944	-1.213
100	A104_Biased	13.297	14.169	-0.872
100	A105_Biased	13.745	14.345	-0.600
100	B17_Biased	13.373	14.267	-0.894
100	B18_Biased	13.629	14.226	-0.597
100	B19_Biased	13.412	14.313	-0.901
100	B20_Biased	13.315	14.034	-0.719
100	B21_Biased	13.113	13.981	-0.868
100	B24_Biased	13.540	14.361	-0.821
100	B25_Biased	13.438	14.163	-0.725
100	B26_Biased	13.490	14.270	-0.780
100	C16_Biased	13.765	14.683	-0.918
100	C17_Biased	13.895	14.813	-0.918
100	C18_Biased	13.205	14.494	-1.289
100	C19_Biased	13.626	14.813	-1.187
100	C25_Biased	13.635	14.436	-0.801
100	C26_Biased	13.406	14.441	-1.035
100	C31_Biased	13.633	14.446	-0.813
100	A107_Unbiased	13.456	14.145	-0.689
100	A108_Unbiased	13.960	14.595	-0.635
100	A109_Unbiased	13.626	14.246	-0.620
100	A110_Unbiased	13.329	14.118	-0.789
100	A111_Unbiased	13.510	14.140	-0.630
100	A112_Unbiased	13.665	14.282	-0.617
100	A113_Unbiased	13.239	14.149	-0.910
100	B27_Unbiased	13.456	16.467	-3.011
100	B29_Unbiased	12.585	14.211	-1.626
100	B30_Unbiased	13.889	14.188	-0.299
100	B31_Unbiased	13.687	14.090	-0.403
100	B32_Unbiased	13.582	14.100	-0.518
100	B33_Unbiased	13.586	14.106	-0.520
100	B34_Unbiased	13.670	14.073	-0.403
100	B35_Unbiased	13.684	14.497	-0.813
100	C32_Unbiased	13.331	14.697	-1.366
100	C33_Unbiased	13.231	14.186	-0.955
100	C34_Unbiased	13.601	14.527	-0.926
100	C35_Unbiased	13.257	14.307	-1.050
100	C36_Unbiased	13.325	14.816	-1.491
100	C37_Unbiased	13.981	14.694	-0.713
100	C38_Unbiased	13.250	14.279	-1.029
	Max	14.123	16.467	0.553
	Average	13.525	14.011	-0.487
	Min	12.585	12.765	-3.011
	Std Dev	0.259	0.534	0.538

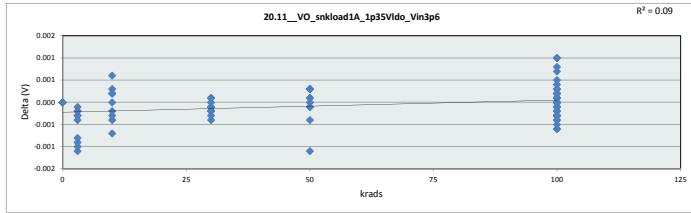


20_10_VO_LoadReqsnpOp5A						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	13.606	12.765	13.016	13.197	13.540	13.981
Average	14.003	13.371	13.609	13.522	13.912	14.383
Max	14.377	14.494	13.982	13.804	14.239	16.467
UL	200.000	200.000	200.000	200.000	200.000	200.000

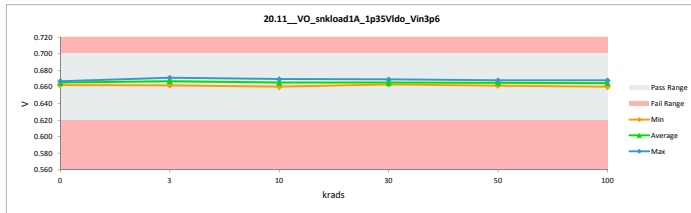


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20.11_VO_snkload1A_1p35VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.667	0.667	0.000
3	A79_Biased	0.670	0.671	-0.001
3	A80_Biased	0.666	0.667	0.000
3	B1_Biased	0.668	0.668	0.000
3	B2_Biased	0.661	0.662	-0.001
3	C1_Biased	0.664	0.664	0.000
3	A82_Unbiased	0.667	0.667	0.000
3	A83_Unbiased	0.668	0.668	0.000
3	B4_Unbiased	0.667	0.668	-0.001
3	B5_Unbiased	0.667	0.667	-0.001
3	C2_Unbiased	0.667	0.668	0.000
10	A85_Biased	0.660	0.660	0.000
10	A86_Biased	0.665	0.665	0.000
10	B6_Biased	0.668	0.668	0.000
10	C3_Biased	0.665	0.665	0.000
10	C4_Biased	0.668	0.667	0.001
10	A87_Unbiased	0.663	0.663	0.000
10	A88_Unbiased	0.649	0.649	-0.001
10	B7_Unbiased	0.665	0.665	0.000
10	C5_Unbiased	0.666	0.667	0.000
10	C6_Unbiased	0.662	0.662	0.000
0	106_Corr	0.665	0.665	0.000
30	A89_Biased	0.664	0.664	0.000
30	B8_Biased	0.669	0.669	0.000
30	B9_Biased	0.669	0.665	0.000
30	C7_Biased	0.664	0.664	0.000
30	C9_Biased	0.664	0.664	0.000
30	A90_Unbiased	0.666	0.666	0.000
30	B10_Unbiased	0.663	0.663	0.000
30	B11_Unbiased	0.666	0.666	0.000
30	C11_Unbiased	0.666	0.666	0.000
30	C12_Unbiased	0.665	0.665	0.000
0	106_Corr	0.665	0.665	0.000
0	15B_Corr	0.662	0.662	0.000
50	A92_Biased	0.667	0.667	0.000
50	A93_Biased	0.667	0.667	0.000
50	B12_Biased	0.662	0.662	0.000
50	B13_Biased	0.665	0.664	0.000
50	C14_Biased	0.664	0.665	0.000
50	A95_Unbiased	0.661	0.661	0.000
50	A96_Unbiased	0.666	0.665	0.000
50	B15_Unbiased	0.668	0.667	0.000
50	B16_Unbiased	0.663	0.663	0.000
50	C15_Unbiased	0.667	0.668	-0.001
0	106_Corr	0.665	0.665	0.000
100	A97_Biased	0.664	0.664	0.000
100	A99_Biased	0.665	0.665	0.000
100	A100_Biased	0.661	0.662	0.000
100	A101_Biased	0.666	0.666	0.000
100	A102_Biased	0.667	0.666	0.001
100	A104_Biased	0.666	0.666	0.000
100	A105_Biased	0.662	0.662	0.000
100	B17_Biased	0.666	0.666	0.000
100	B18_Biased	0.660	0.660	0.000
100	B19_Biased	0.662	0.662	0.000
100	B20_Biased	0.666	0.667	0.000
100	B21_Biased	0.665	0.665	0.000
100	B24_Biased	0.663	0.663	0.000
100	B25_Biased	0.664	0.664	0.000
100	B26_Biased	0.661	0.661	0.000
100	C16_Biased	0.666	0.667	-0.001
100	C17_Biased	0.664	0.664	0.000
100	C18_Biased	0.667	0.666	0.000
100	C19_Biased	0.665	0.665	0.000
100	C25_Biased	0.665	0.665	0.000
100	C26_Biased	0.666	0.665	0.000
100	C31_Biased	0.668	0.668	0.000
100	A107_Unbiased	0.665	0.665	0.000
100	A108_Unbiased	0.664	0.664	0.000
100	A109_Unbiased	0.666	0.667	0.000
100	A110_Unbiased	0.666	0.666	0.000
100	A111_Unbiased	0.665	0.665	0.000
100	A112_Unbiased	0.666	0.666	0.000
100	A113_Unbiased	0.668	0.668	0.000
100	B27_Unbiased	0.663	0.663	0.000
100	B29_Unbiased	0.667	0.666	0.001
100	B30_Unbiased	0.664	0.664	0.000
100	B31_Unbiased	0.665	0.665	0.000
100	B32_Unbiased	0.665	0.665	0.000
100	B33_Unbiased	0.664	0.664	0.000
100	B34_Unbiased	0.664	0.663	0.000
100	B35_Unbiased	0.662	0.661	0.001
100	C32_Unbiased	0.664	0.663	0.001
100	C33_Unbiased	0.667	0.666	0.000
100	C34_Unbiased	0.664	0.664	0.000
100	C35_Unbiased	0.664	0.664	0.000
100	C36_Unbiased	0.668	0.667	0.001
100	C37_Unbiased	0.662	0.663	-0.001
100	C38_Unbiased	0.666	0.666	0.000
	Max	0.670	0.671	0.001
	Average	0.665	0.665	0.000
	Min	0.660	0.660	-0.001
	Std Dev	0.002	0.002	0.000

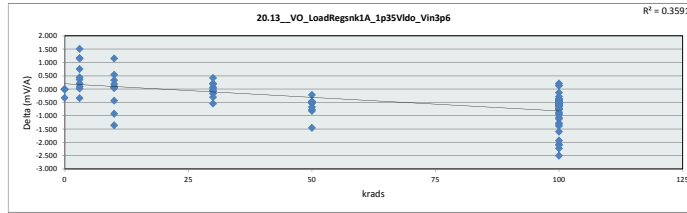


20.11_VO_snkload1A_1p35VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.7					
Min Limit	0.62					
Krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.662	0.662	0.660	0.663	0.662	0.660
Average	0.665	0.667	0.665	0.665	0.665	0.665
Max	0.667	0.671	0.670	0.669	0.668	0.668
UL	0.700	0.700	0.700	0.700	0.700	0.700

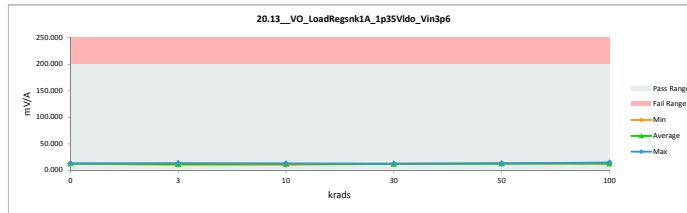


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20.13_VO_LoadRegnsk1A_1p35				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	12.763	12.763	0.000
3	A79_Biased	11.874	10.716	1.158
3	A80_Biased	12.905	12.545	0.360
3	B1_Biased	12.381	12.286	0.095
3	B2_Biased	12.818	11.303	1.515
3	C1_Biased	13.121	13.456	-0.335
3	A82_Unbiased	12.447	12.005	0.442
3	A83_Unbiased	12.505	12.293	0.212
3	B4_Unbiased	12.155	10.987	1.168
3	B5_Unbiased	11.798	11.041	0.757
3	C2_Unbiased	12.408	12.378	0.030
10	A85_Biased	13.034	12.693	0.341
10	A86_Biased	12.864	12.327	0.537
10	B6_Biased	12.262	12.692	-0.430
10	C3_Biased	12.037	12.962	-0.925
10	C4_Biased	11.394	12.754	-1.360
10	A87_Unbiased	12.681	12.580	0.101
10	A88_Unbiased	12.137	10.988	1.149
10	B7_Unbiased	12.570	12.521	0.049
10	C5_Unbiased	12.523	12.480	0.043
10	C6_Unbiased	12.812	12.616	0.196
0	106_Corr	12.549	12.549	0.000
30	A89_Biased	12.731	12.315	0.416
30	B8_Biased	12.145	12.312	-0.167
30	B9_Biased	12.595	12.520	0.075
30	C7_Biased	12.282	12.371	-0.089
30	C9_Biased	12.735	12.717	0.018
30	A90_Unbiased	12.477	12.288	0.189
30	B10_Unbiased	12.534	12.321	0.213
30	B11_Unbiased	12.021	12.326	-0.305
30	C11_Unbiased	12.720	12.768	-0.048
30	C12_Unbiased	11.726	12.270	-0.544
0	106_Corr	13.174	13.174	0.000
0	158_Corr	12.858	12.858	0.000
50	A92_Biased	12.482	12.959	-0.477
50	A93_Biased	12.216	12.885	-0.669
50	B12_Biased	12.712	13.219	-0.507
50	B13_Biased	12.433	13.254	-0.821
50	C14_Biased	12.672	13.201	-0.529
50	A95_Unbiased	12.770	12.984	-0.214
50	A96_Unbiased	12.646	13.121	-0.475
50	B15_Unbiased	12.235	13.003	-0.768
50	B16_Unbiased	12.532	12.989	-0.457
50	C15_Unbiased	11.889	13.346	-1.457
0	106_Corr	12.549	12.549	0.000
100	A97_Biased	12.499	13.036	-0.537
100	A99_Biased	12.326	12.985	-0.659
100	A100_Biased	12.719	13.074	-0.355
100	A101_Biased	12.433	12.848	-0.415
100	A102_Biased	12.598	13.714	-1.116
100	A104_Biased	12.355	12.765	-0.410
100	A105_Biased	13.007	12.876	0.131
100	B17_Biased	12.275	12.913	-0.638
100	B18_Biased	12.795	13.274	-0.479
100	B19_Biased	12.740	13.339	-0.599
100	B20_Biased	12.157	12.774	-0.617
100	B21_Biased	12.085	13.044	-0.959
100	B24_Biased	12.593	13.199	-0.606
100	B25_Biased	12.430	12.941	-0.511
100	B26_Biased	12.512	13.066	-0.554
100	C16_Biased	12.685	13.131	-0.446
100	C17_Biased	12.830	13.602	-0.772
100	C18_Biased	11.295	13.389	-2.094
100	C19_Biased	12.536	13.431	-0.895
100	C25_Biased	12.428	13.297	-0.869
100	C26_Biased	11.866	13.459	-1.593
100	C31_Biased	12.505	13.237	-0.732
100	A107_Unbiased	12.577	13.120	-0.543
100	A108_Unbiased	12.912	13.330	-0.418
100	A109_Unbiased	12.689	12.473	0.216
100	A110_Unbiased	12.486	12.616	-0.130
100	A111_Unbiased	12.676	13.096	-0.420
100	A112_Unbiased	12.757	13.350	-0.593
100	A113_Unbiased	12.160	12.898	-0.738
100	B27_Unbiased	12.353	14.853	-2.500
100	B29_Unbiased	10.657	12.740	-2.083
100	B30_Unbiased	12.635	13.108	-0.473
100	B31_Unbiased	12.553	13.051	-0.498
100	B32_Unbiased	12.861	12.712	0.149
100	B33_Unbiased	12.549	12.904	-0.355
100	B34_Unbiased	12.799	13.078	-0.279
100	B35_Unbiased	12.828	13.328	-0.500
100	C32_Unbiased	11.230	13.457	-2.227
100	C33_Unbiased	11.417	12.797	-1.380
100	C34_Unbiased	12.004	13.271	-1.267
100	C35_Unbiased	11.602	12.676	-1.074
100	C36_Unbiased	11.409	13.337	-1.928
100	C37_Unbiased	12.974	13.621	-0.647
100	C38_Unbiased	11.734	13.045	-1.311
	Max	13.174	14.853	1.515
	Average	12.411	12.823	-0.412
	Min	10.657	10.716	-2.500
	Std Dev	0.459	0.614	0.721

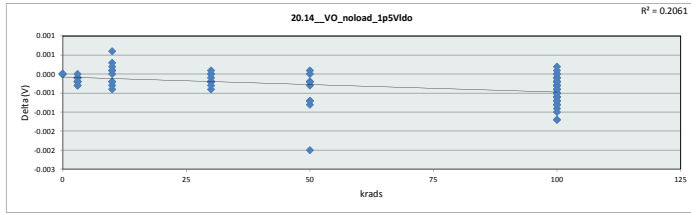


20.13_VO_LoadRegnsk1A_1p35						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	12.549	10.716	10.988	12.270	12.885	12.473
Average	12.843	11.901	12.461	12.421	13.096	13.142
Max	13.174	13.456	12.962	12.768	13.346	14.853
UL	200.000	200.000	200.000	200.000	200.000	200.000

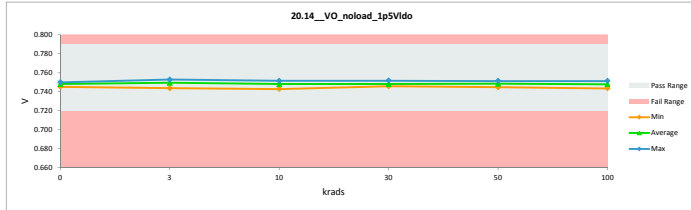


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20.14_VO_noload_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.750	0.750	0.000
3	A79_Biased	0.753	0.753	0.000
3	A80_Biased	0.749	0.749	0.000
3	B1_Biased	0.751	0.751	0.000
3	B2_Biased	0.744	0.744	0.000
3	C1_Biased	0.747	0.747	0.000
3	A82_Unbiased	0.750	0.750	0.000
3	A83_Unbiased	0.751	0.751	0.000
3	B4_Unbiased	0.749	0.750	0.000
3	B5_Unbiased	0.749	0.749	0.000
3	C2_Unbiased	0.750	0.750	0.000
10	A85_Biased	0.743	0.743	0.001
10	A86_Biased	0.748	0.748	0.000
10	B6_Biased	0.751	0.751	0.000
10	C3_Biased	0.748	0.748	0.000
10	C4_Biased	0.750	0.750	0.000
10	A87_Unbiased	0.746	0.746	0.000
10	A88_Unbiased	0.751	0.751	0.000
10	B7_Unbiased	0.748	0.748	0.000
10	C5_Unbiased	0.749	0.749	0.000
10	C6_Unbiased	0.745	0.745	0.000
0	106_Corr	0.748	0.748	0.000
30	A89_Biased	0.747	0.747	0.000
30	B8_Biased	0.752	0.752	0.000
30	B9_Biased	0.747	0.747	0.000
30	C7_Biased	0.747	0.747	0.000
30	C9_Biased	0.747	0.747	0.000
30	A90_Unbiased	0.749	0.749	0.000
30	B10_Unbiased	0.746	0.746	0.000
30	B11_Unbiased	0.749	0.749	0.000
30	C11_Unbiased	0.749	0.749	0.000
30	C12_Unbiased	0.748	0.748	0.000
0	106_Corr	0.748	0.748	0.000
0	15B_Corr	0.745	0.745	0.000
50	A92_Biased	0.750	0.750	0.000
50	A93_Biased	0.750	0.750	0.000
50	B12_Biased	0.745	0.746	-0.001
50	B13_Biased	0.747	0.748	0.000
50	C14_Biased	0.747	0.748	-0.001
50	A95_Unbiased	0.744	0.745	0.000
50	A96_Unbiased	0.749	0.749	0.000
50	B15_Unbiased	0.750	0.750	0.000
50	B16_Unbiased	0.746	0.746	-0.001
50	C15_Unbiased	0.749	0.751	-0.002
0	106_Corr	0.748	0.748	0.000
100	A97_Biased	0.746	0.747	0.000
100	A99_Biased	0.748	0.748	0.000
100	A100_Biased	0.744	0.745	-0.001
100	A101_Biased	0.749	0.749	0.000
100	A102_Biased	0.750	0.750	0.000
100	A104_Biased	0.748	0.749	-0.001
100	A105_Biased	0.745	0.745	-0.001
100	B17_Biased	0.749	0.749	0.000
100	B18_Biased	0.743	0.743	-0.001
100	B19_Biased	0.745	0.745	0.000
100	B20_Biased	0.749	0.749	-0.001
100	B21_Biased	0.748	0.748	0.000
100	B24_Biased	0.746	0.747	-0.001
100	B25_Biased	0.747	0.747	0.000
100	B26_Biased	0.744	0.744	0.000
100	C16_Biased	0.749	0.750	-0.001
100	C17_Biased	0.748	0.748	-0.001
100	C18_Biased	0.749	0.750	-0.001
100	C19_Biased	0.748	0.748	0.000
100	C25_Biased	0.748	0.748	-0.001
100	C26_Biased	0.748	0.749	-0.001
100	C31_Biased	0.751	0.751	-0.001
100	A107_Unbiased	0.748	0.748	0.000
100	A108_Unbiased	0.748	0.748	0.000
100	A109_Unbiased	0.749	0.749	0.000
100	A110_Unbiased	0.749	0.749	0.000
100	A111_Unbiased	0.748	0.748	0.000
100	A112_Unbiased	0.749	0.749	0.000
100	A113_Unbiased	0.750	0.750	0.000
100	B27_Unbiased	0.746	0.747	-0.001
100	B29_Unbiased	0.749	0.749	0.000
100	B30_Unbiased	0.746	0.747	0.000
100	B31_Unbiased	0.748	0.748	-0.001
100	B32_Unbiased	0.748	0.748	0.000
100	B33_Unbiased	0.746	0.747	-0.001
100	B34_Unbiased	0.747	0.747	0.000
100	B35_Unbiased	0.745	0.744	0.000
100	C32_Unbiased	0.746	0.746	-0.001
100	C33_Unbiased	0.749	0.749	-0.001
100	C34_Unbiased	0.747	0.747	-0.001
100	C35_Unbiased	0.746	0.747	-0.001
100	C36_Unbiased	0.750	0.750	0.000
100	C37_Unbiased	0.746	0.747	-0.001
100	C38_Unbiased	0.748	0.749	-0.001
	Max	0.753	0.753	0.001
	Average	0.748	0.748	0.000
	Min	0.743	0.743	-0.002
	Std Dev	0.002	0.002	0.000

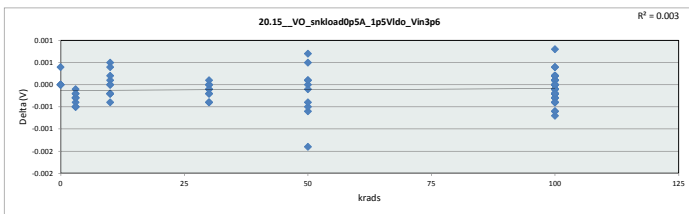


20.14_VO_noload_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79 V					
Min Limit	0.72 V					
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.745	0.744	0.743	0.746	0.745	0.744
Average	0.748	0.749	0.748	0.748	0.748	0.748
Max	0.750	0.753	0.751	0.752	0.751	0.751
UL	0.790	0.790	0.790	0.790	0.790	0.790

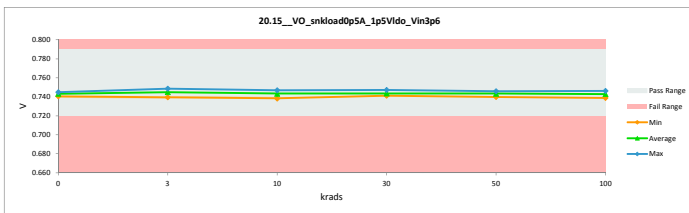


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20.15_VO_snkloadOp5A_1p5VIt				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.745	0.745	0.000
3	A79_Biased	0.748	0.748	0.000
3	A80_Biased	0.745	0.745	0.000
3	B1_Biased	0.746	0.746	0.000
3	B2_Biased	0.739	0.739	0.000
3	C1_Biased	0.742	0.743	-0.001
3	A82_Unbiased	0.745	0.745	0.000
3	A83_Unbiased	0.746	0.746	0.000
3	B4_Unbiased	0.745	0.745	0.000
3	B5_Unbiased	0.745	0.745	0.000
3	C2_Unbiased	0.746	0.746	0.000
10	A85_Biased	0.739	0.738	0.000
10	A86_Biased	0.743	0.743	0.000
10	B6_Biased	0.747	0.746	0.000
10	C3_Biased	0.743	0.744	0.000
10	C4_Biased	0.746	0.746	0.000
10	A87_Unbiased	0.741	0.741	0.000
10	A88_Unbiased	0.747	0.747	0.000
10	B7_Unbiased	0.744	0.744	0.000
10	C5_Unbiased	0.745	0.745	0.000
10	C6_Unbiased	0.740	0.740	0.000
0	106_Corr	0.744	0.744	0.000
30	A89_Biased	0.742	0.742	0.000
30	B8_Biased	0.747	0.747	0.000
30	B9_Biased	0.743	0.743	0.000
30	C7_Biased	0.742	0.743	0.000
30	C9_Biased	0.742	0.743	0.000
30	A90_Unbiased	0.745	0.745	0.000
30	B10_Unbiased	0.741	0.741	0.000
30	B11_Unbiased	0.744	0.745	0.000
30	C11_Unbiased	0.744	0.744	0.000
30	C12_Unbiased	0.743	0.744	0.000
0	106_Corr	0.743	0.743	0.000
0	15B_Corr	0.740	0.740	0.000
50	A92_Biased	0.745	0.745	0.000
50	A93_Biased	0.746	0.745	0.000
50	B12_Biased	0.740	0.741	-0.001
50	B13_Biased	0.743	0.743	0.000
50	C14_Biased	0.743	0.743	-0.001
50	A95_Unbiased	0.740	0.740	0.000
50	A96_Unbiased	0.744	0.744	0.000
50	B15_Unbiased	0.746	0.745	0.001
50	B16_Unbiased	0.741	0.742	0.000
50	C15_Unbiased	0.745	0.746	-0.001
0	106_Corr	0.744	0.743	0.000
100	A97_Biased	0.742	0.742	0.000
100	A99_Biased	0.743	0.744	0.000
100	A100_Biased	0.739	0.740	0.000
100	A101_Biased	0.745	0.745	0.000
100	A102_Biased	0.745	0.744	0.001
100	A104_Biased	0.744	0.744	0.000
100	A105_Biased	0.740	0.740	0.000
100	B17_Biased	0.744	0.744	0.000
100	B18_Biased	0.738	0.739	-0.001
100	B19_Biased	0.740	0.740	0.000
100	B20_Biased	0.744	0.745	0.000
100	B21_Biased	0.743	0.743	0.000
100	B24_Biased	0.741	0.742	0.000
100	B25_Biased	0.743	0.743	0.000
100	B26_Biased	0.739	0.739	0.000
100	C16_Biased	0.745	0.745	0.000
100	C17_Biased	0.743	0.743	0.000
100	C18_Biased	0.744	0.745	-0.001
100	C19_Biased	0.743	0.743	0.000
100	C25_Biased	0.743	0.743	0.000
100	C26_Biased	0.743	0.744	0.000
100	C31_Biased	0.746	0.746	0.000
100	A107_Unbiased	0.744	0.744	0.000
100	A108_Unbiased	0.743	0.743	0.000
100	A109_Unbiased	0.744	0.744	0.000
100	A110_Unbiased	0.744	0.744	0.000
100	A111_Unbiased	0.744	0.743	0.000
100	A112_Unbiased	0.745	0.744	0.000
100	A113_Unbiased	0.746	0.746	0.000
100	B27_Unbiased	0.741	0.741	0.000
100	B29_Unbiased	0.744	0.744	0.000
100	B30_Unbiased	0.742	0.742	0.000
100	B31_Unbiased	0.743	0.743	0.000
100	B32_Unbiased	0.744	0.744	0.000
100	B33_Unbiased	0.742	0.742	0.000
100	B34_Unbiased	0.742	0.742	0.000
100	B35_Unbiased	0.740	0.740	0.000
100	C32_Unbiased	0.741	0.741	0.000
100	C33_Unbiased	0.744	0.745	0.000
100	C34_Unbiased	0.742	0.743	0.000
100	C35_Unbiased	0.742	0.742	0.000
100	C36_Unbiased	0.745	0.745	0.000
100	C37_Unbiased	0.741	0.742	-0.001
100	C38_Unbiased	0.744	0.744	0.000
	Max	0.748	0.748	0.001
	Average	0.743	0.743	0.000
	Min	0.738	0.738	-0.001
	Std Dev	0.002	0.002	0.000

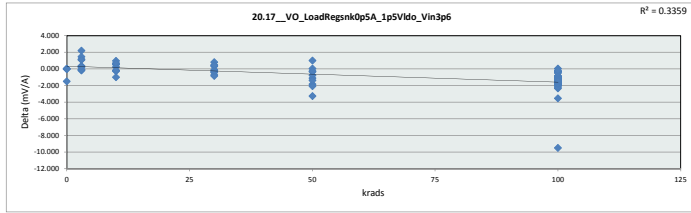


20.15_VO_snkloadOp5A_1p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79 V					
Min Limit	0.72 V					
Krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.740	0.739	0.738	0.741	0.740	0.739
Average	0.743	0.745	0.743	0.744	0.743	0.743
Max	0.745	0.749	0.747	0.747	0.746	0.746
UL	0.790	0.790	0.790	0.790	0.790	0.790

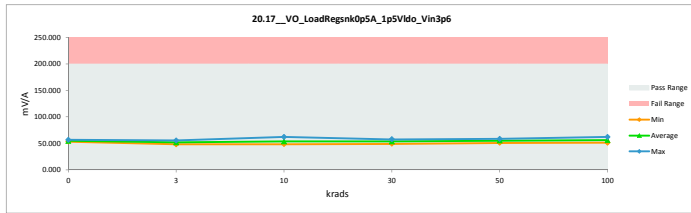


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20.17_VO_LoadRegsKOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	55.230	55.230	0.000
3	A79_Biased	51.298	49.105	2.193
3	A80_Biased	56.252	55.114	1.138
3	B1_Biased	50.430	50.639	-0.209
3	B2_Biased	54.188	53.869	0.319
3	C1_Biased	56.805	55.355	1.450
3	A82_Unbiased	52.757	51.711	1.046
3	A83_Unbiased	53.716	53.548	0.168
3	B4_Unbiased	48.229	48.328	-0.099
3	B5_Unbiased	49.787	49.902	-0.115
3	C2_Unbiased	51.567	51.269	0.298
10	A85_Biased	61.901	62.182	-0.281
10	A86_Biased	54.725	54.210	0.515
10	B6_Biased	49.337	50.361	-1.024
10	C3_Biased	55.118	54.549	0.569
10	C4_Biased	52.385	52.163	0.222
10	A87_Unbiased	53.809	54.034	-0.225
10	A88_Unbiased	49.186	48.648	0.538
10	B7_Unbiased	53.119	53.336	-0.217
10	C5_Unbiased	53.053	52.104	0.949
10	C6_Unbiased	56.516	55.831	0.685
0	106_Corr	53.512	53.512	0.000
30	A89_Biased	57.103	57.528	-0.425
30	B8_Biased	48.493	49.238	-0.745
30	B9_Biased	52.451	52.592	-0.141
30	C7_Biased	54.409	53.960	0.449
30	C9_Biased	54.125	53.548	0.578
30	A90_Unbiased	56.165	56.518	-0.353
30	B10_Unbiased	56.466	57.311	-0.845
30	B11_Unbiased	52.503	52.764	-0.261
30	C11_Unbiased	52.127	51.845	0.282
30	C12_Unbiased	52.344	51.933	0.411
0	106_Corr	54.246	54.246	0.000
0	158_Corr	56.610	56.610	0.000
50	A92_Biased	52.319	53.445	-1.126
50	A93_Biased	49.236	51.094	-1.858
50	B12_Biased	56.833	56.800	0.033
50	B13_Biased	51.421	53.526	-2.105
50	C14_Biased	53.899	54.264	-0.365
50	A95_Unbiased	57.675	58.472	-0.797
50	A96_Unbiased	52.780	54.162	-1.382
50	B15_Unbiased	53.906	57.186	-3.280
50	B16_Unbiased	57.734	58.000	-0.266
50	C15_Unbiased	55.535	54.543	0.992
0	106_Corr	53.512	53.512	-1.510
100	A97_Biased	56.369	58.108	-1.739
100	A99_Biased	54.115	55.415	-1.300
100	A100_Biased	56.256	57.293	-1.037
100	A101_Biased	52.114	54.116	-2.002
100	A102_Biased	52.474	61.988	-9.514
100	A104_Biased	51.017	52.086	-1.069
100	A105_Biased	58.516	59.555	-1.039
100	B17_Biased	51.560	53.925	-2.365
100	B18_Biased	58.143	58.481	-0.338
100	B19_Biased	57.295	59.215	-1.920
100	B20_Biased	51.183	52.563	-1.380
100	B21_Biased	55.688	57.755	-2.067
100	B24_Biased	52.971	54.558	-1.587
100	B25_Biased	52.679	53.592	-0.913
100	B26_Biased	52.745	53.703	-0.958
100	C16_Biased	55.272	56.677	-1.405
100	C17_Biased	56.094	57.713	-1.619
100	C18_Biased	56.258	57.137	-0.879
100	C19_Biased	53.323	55.130	-1.807
100	C25_Biased	52.645	53.560	-0.915
100	C26_Biased	57.198	58.544	-1.346
100	C31_Biased	51.777	52.812	-1.035
100	A107_Unbiased	52.386	54.030	-1.644
100	A108_Unbiased	57.861	59.701	-1.840
100	A109_Unbiased	53.127	54.304	-1.177
100	A110_Unbiased	54.814	56.635	-1.821
100	A111_Unbiased	54.717	56.563	-1.846
100	A112_Unbiased	58.315	60.310	-1.995
100	A113_Unbiased	49.078	51.267	-2.189
100	B27_Unbiased	52.746	56.316	-3.570
100	B29_Unbiased	51.780	53.537	-1.757
100	B30_Unbiased	54.845	56.265	-1.420
100	B31_Unbiased	55.311	56.898	-1.587
100	B32_Unbiased	54.267	54.254	0.013
100	B33_Unbiased	52.218	53.378	-1.160
100	B34_Unbiased	57.727	58.073	-0.346
100	B35_Unbiased	58.106	59.907	-1.801
100	C32_Unbiased	56.781	57.971	-1.190
100	C33_Unbiased	52.268	52.673	-0.405
100	C34_Unbiased	58.292	58.791	-0.499
100	C35_Unbiased	53.215	54.558	-1.343
100	C36_Unbiased	52.392	54.155	-1.763
100	C37_Unbiased	57.829	58.025	-0.196
100	C38_Unbiased	54.691	56.183	-1.492
	Max	61.901	62.182	2.193
	Average	48.229	54.082	-0.831
	Min	48.229	48.328	-9.514
	Std Dev	2.674	2.934	1.400

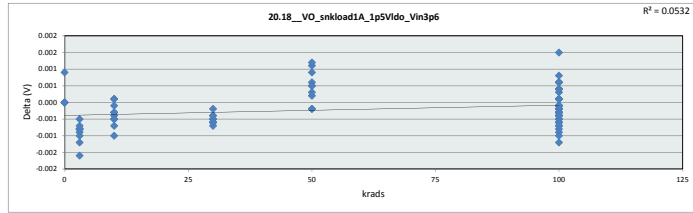


20.17_VO_LoadRegsKOp5A						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	53.512	48.328	48.648	49.238	51.094	51.267
Average	54.924	51.884	53.742	53.703	55.149	56.087
Max	56.610	55.555	62.182	57.528	58.472	61.988
UL	200.000	200.000	200.000	200.000	200.000	200.000

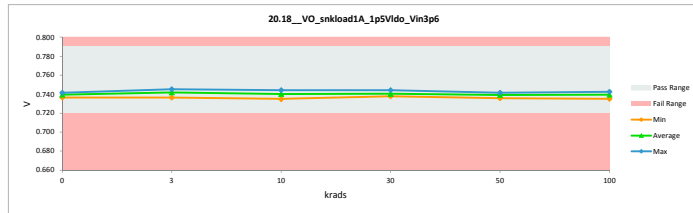


TID 100krad LDR Report
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20.18_VO_snkload1A_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.741	0.741	0.000
3	A79_Biased	0.744	0.745	-0.001
3	A80_Unbiased	0.741	0.742	-0.002
3	B1_Biased	0.743	0.744	-0.001
3	B2_Biased	0.736	0.737	-0.001
3	C1_Biased	0.739	0.740	-0.001
3	A82_Unbiased	0.741	0.743	-0.001
3	A83_Unbiased	0.742	0.743	-0.001
3	B4_Unbiased	0.742	0.743	-0.001
3	B5_Unbiased	0.741	0.742	0.000
3	C2_Unbiased	0.742	0.743	-0.001
10	A85_Biased	0.734	0.735	0.000
10	A86_Biased	0.739	0.739	-0.001
10	B6_Biased	0.743	0.743	0.000
10	C3_Biased	0.740	0.740	0.000
10	C4_Biased	0.743	0.743	0.000
10	A87_Unbiased	0.737	0.738	0.000
10	A88_Unbiased	0.743	0.744	-0.001
10	B7_Unbiased	0.740	0.740	-0.001
10	C5_Unbiased	0.741	0.742	-0.001
10	C6_Unbiased	0.737	0.737	0.000
0	106_Corr	0.741	0.741	0.000
30	A89_Biased	0.739	0.739	-0.001
30	B8_Biased	0.744	0.744	0.000
30	B9_Biased	0.739	0.739	-0.001
30	C7_Biased	0.738	0.739	-0.001
30	C9_Biased	0.739	0.739	0.000
30	A90_Unbiased	0.741	0.742	-0.001
30	B10_Unbiased	0.737	0.738	0.000
30	B11_Unbiased	0.741	0.741	-0.001
30	C11_Unbiased	0.740	0.741	0.000
30	C12_Unbiased	0.740	0.740	-0.001
0	106_Corr	0.739	0.739	0.000
0	15B_Corr	0.736	0.736	0.000
50	A92_Biased	0.741	0.741	0.001
50	A93_Biased	0.742	0.741	0.001
50	B12_Biased	0.736	0.737	0.000
50	B13_Biased	0.739	0.738	0.001
50	C14_Biased	0.739	0.739	0.001
50	A95_Unbiased	0.736	0.736	0.000
50	A96_Unbiased	0.740	0.740	0.001
50	B15_Unbiased	0.742	0.741	0.001
50	B16_Unbiased	0.737	0.737	0.000
50	C15_Unbiased	0.741	0.742	0.000
0	106_Corr	0.741	0.740	0.001
100	A97_Biased	0.738	0.738	0.000
100	A99_Biased	0.740	0.740	0.000
100	A100_Biased	0.735	0.736	-0.001
100	A101_Biased	0.741	0.741	0.000
100	A102_Biased	0.742	0.740	0.002
100	A104_Biased	0.741	0.741	0.000
100	A105_Biased	0.737	0.737	0.000
100	B17_Biased	0.741	0.740	0.000
100	B18_Biased	0.735	0.735	0.000
100	B19_Biased	0.736	0.736	0.000
100	B20_Biased	0.741	0.741	0.000
100	B21_Biased	0.740	0.739	0.000
100	B24_Biased	0.738	0.738	0.000
100	B25_Biased	0.739	0.739	-0.001
100	B26_Biased	0.736	0.736	0.000
100	C16_Biased	0.742	0.742	0.000
100	C17_Biased	0.739	0.739	0.000
100	C18_Biased	0.741	0.741	0.000
100	C19_Biased	0.740	0.739	0.001
100	C25_Biased	0.740	0.740	0.000
100	C26_Biased	0.740	0.740	0.000
100	C31_Biased	0.743	0.743	0.000
100	A107_Unbiased	0.740	0.740	0.000
100	A108_Unbiased	0.739	0.739	0.000
100	A109_Unbiased	0.740	0.741	-0.001
100	A110_Unbiased	0.741	0.741	0.000
100	A111_Unbiased	0.740	0.740	0.000
100	A112_Unbiased	0.741	0.741	0.000
100	A113_Unbiased	0.743	0.742	0.000
100	B27_Unbiased	0.738	0.737	0.001
100	B29_Unbiased	0.741	0.741	0.000
100	B30_Unbiased	0.738	0.739	-0.001
100	B31_Unbiased	0.739	0.740	-0.001
100	B32_Unbiased	0.739	0.740	-0.001
100	B33_Unbiased	0.738	0.738	-0.001
100	B34_Unbiased	0.737	0.739	-0.001
100	B35_Unbiased	0.736	0.736	0.000
100	C32_Unbiased	0.738	0.738	0.000
100	C33_Unbiased	0.741	0.742	-0.001
100	C34_Unbiased	0.739	0.739	0.000
100	C35_Unbiased	0.739	0.739	0.001
100	C36_Unbiased	0.742	0.742	0.001
100	C37_Unbiased	0.737	0.737	0.000
100	C38_Unbiased	0.740	0.740	0.000
	Max	0.744	0.745	0.002
	Average	0.740	0.740	0.000
	Min	0.734	0.735	-0.002
	Std Dev	0.002	0.002	0.001

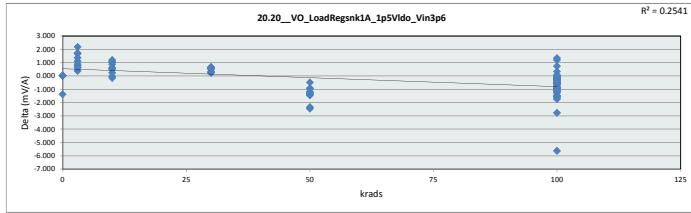


20.18_VO_snkload1A_1p5Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.72	V				
Krads	LL	3	10	30	50	100
	LL	0.720	0.720	0.720	0.720	0.720
	Min	0.736	0.737	0.735	0.738	0.736
	Average	0.739	0.742	0.740	0.740	0.739
	Max	0.741	0.745	0.744	0.744	0.743
	UL	0.790	0.790	0.790	0.790	0.790

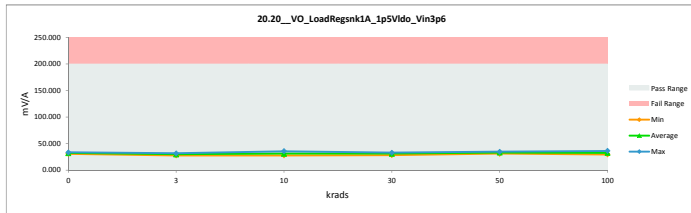


TID 100krad LDR Report
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20_20_VO_LoadReqsnk1A_1p5k				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	32.368	32.368	0.000
3	A79_Biased	30.633	28.966	1.667
3	A80_Biased	33.476	31.311	2.165
3	B1_Biased	29.858	29.083	0.775
3	B2_Biased	31.664	30.789	0.875
3	C1_Biased	33.131	32.048	1.083
3	A82_Unbiased	31.307	29.585	1.724
3	A83_Unbiased	32.146	30.790	1.356
3	B4_Unbiased	28.555	27.921	0.634
3	B5_Unbiased	29.529	29.159	0.370
3	C2_Unbiased	30.551	29.952	0.599
10	A85_Biased	36.779	35.735	1.044
10	A86_Biased	32.995	31.949	1.046
10	B6_Biased	29.376	29.531	-0.155
10	C3_Biased	31.940	31.968	-0.028
10	C4_Biased	30.301	30.077	0.224
10	A87_Unbiased	31.967	31.461	0.506
10	A88_Unbiased	29.127	27.935	1.192
10	B7_Unbiased	31.673	30.788	0.885
10	C5_Unbiased	31.329	30.710	0.619
10	C6_Unbiased	33.109	32.598	0.511
0	106_Corr	30.959	30.959	0.000
30	A89_Biased	33.010	32.462	0.548
30	B8_Biased	28.833	28.582	0.251
30	B9_Biased	31.492	30.879	0.613
30	C7_Biased	32.238	31.595	0.643
30	C9_Biased	31.384	30.867	0.517
30	A90_Unbiased	32.716	32.107	0.609
30	B10_Unbiased	33.008	33.080	-0.328
30	B11_Unbiased	31.314	30.652	0.662
30	C11_Unbiased	33.051	30.818	0.233
30	C12_Unbiased	30.914	30.343	0.571
0	106_Corr	32.778	32.778	0.000
0	15B_Corr	33.764	33.764	0.000
50	A92_Biased	31.238	32.460	-1.222
50	A93_Biased	29.736	31.187	-1.451
50	B12_Biased	33.897	34.398	-0.501
50	B13_Biased	30.145	32.599	-2.454
50	C14_Biased	31.647	33.030	-1.383
50	A95_Unbiased	33.830	34.748	-0.918
50	A96_Unbiased	31.530	32.834	-1.304
50	B15_Unbiased	31.702	34.035	-2.333
50	B16_Unbiased	33.797	34.766	-0.969
50	C15_Unbiased	31.926	33.137	-1.211
0	106_Corr	30.959	32.398	-1.375
100	A97_Biased	33.042	33.545	-0.503
100	A99_Biased	32.163	32.458	-0.295
100	A100_Biased	33.516	33.626	-0.110
100	A101_Biased	31.209	31.848	-0.639
100	A102_Biased	30.773	36.406	-5.633
100	A104_Biased	29.881	30.416	-0.535
100	A105_Biased	34.070	34.323	-0.253
100	B17_Biased	30.823	32.293	-1.470
100	B18_Biased	33.752	34.202	-0.450
100	B19_Biased	33.914	34.817	-0.903
100	B20_Biased	30.245	30.632	-0.387
100	B21_Biased	32.583	33.773	-1.190
100	B24_Biased	31.187	31.881	-0.694
100	B25_Biased	31.199	30.884	0.315
100	B26_Biased	31.028	31.083	-0.055
100	C16_Biased	31.708	32.774	-1.066
100	C17_Biased	33.012	34.569	-1.557
100	C18_Biased	32.545	33.379	-0.834
100	C19_Biased	31.045	32.704	-1.659
100	C25_Biased	31.019	31.537	-0.518
100	C26_Biased	32.953	34.231	-1.278
100	C31_Biased	30.406	31.323	-0.917
100	A107_Unbiased	31.363	31.802	-0.439
100	A108_Unbiased	34.583	35.117	-0.534
100	A109_Unbiased	32.001	31.281	0.720
100	A110_Unbiased	32.221	32.407	-0.186
100	A111_Unbiased	32.628	33.003	-0.375
100	A112_Unbiased	34.361	35.328	-0.967
100	A113_Unbiased	28.699	29.783	-1.084
100	B27_Unbiased	30.850	33.618	-2.768
100	B29_Unbiased	30.192	30.707	-0.515
100	B30_Unbiased	32.689	32.655	0.034
100	B31_Unbiased	32.762	32.978	-0.216
100	B32_Unbiased	32.837	31.648	1.189
100	B33_Unbiased	31.398	31.542	-0.144
100	B34_Unbiased	34.654	33.328	1.326
100	B35_Unbiased	34.349	34.499	-0.150
100	C32_Unbiased	32.995	33.863	-0.868
100	C33_Unbiased	30.622	30.571	0.051
100	C34_Unbiased	33.481	34.048	-0.567
100	C35_Unbiased	30.141	31.667	-1.526
100	C36_Unbiased	30.090	31.839	-1.749
100	C37_Unbiased	34.323	34.748	-0.425
100	C38_Unbiased	31.771	32.922	-1.151
	Max	36.779	36.406	2.165
	Average	31.878	32.148	-0.270
	Min	28.555	27.921	-5.633
	Std Dev	1.549	1.789	1.127

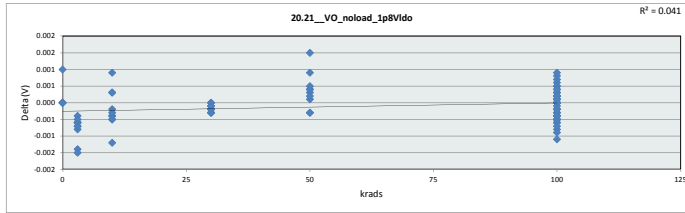


20_20_VO_LoadReqsnk1A_1p5k						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	30.959	27.921	27.935	28.582	31.187	29.783
Average	32.441	29.960	31.275	31.139	33.319	32.774
Max	33.764	32.048	35.735	33.080	34.766	36.406
UL	200.000	200.000	200.000	200.000	200.000	200.000

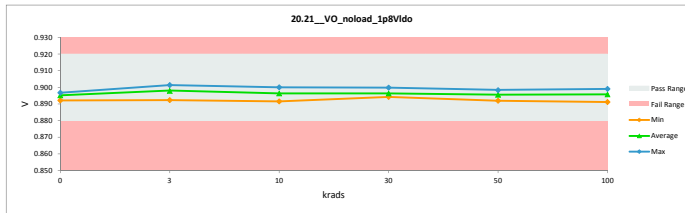


TID 100krad LDR Report
TPS7H3301-SP

20_21_VO_noload_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.92	0.92		
Min Limit	0.88	0.88		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.897	0.897	0.000
3	A79_Biased	0.901	0.901	-0.001
3	A80_Biased	0.897	0.899	-0.001
3	B1_Biased	0.899	0.900	-0.001
3	B2_Biased	0.892	0.892	-0.001
3	C1_Biased	0.896	0.896	0.000
3	A82_Unbiased	0.897	0.899	-0.002
3	A83_Unbiased	0.899	0.899	-0.001
3	B4_Unbiased	0.897	0.898	-0.001
3	B5_Unbiased	0.897	0.898	-0.001
3	C2_Unbiased	0.898	0.899	-0.001
10	A85_Biased	0.891	0.892	0.000
10	A86_Biased	0.895	0.896	-0.001
10	B6_Biased	0.899	0.898	0.001
10	C3_Biased	0.896	0.896	0.000
10	C4_Biased	0.899	0.899	0.000
10	A87_Unbiased	0.894	0.894	0.000
10	A88_Unbiased	0.899	0.900	-0.001
10	B7_Unbiased	0.896	0.897	0.000
10	C5_Unbiased	0.897	0.898	-0.001
10	C6_Unbiased	0.893	0.893	0.000
0	106_Corr	0.896	0.896	0.000
30	A89_Biased	0.895	0.895	0.000
30	B8_Biased	0.900	0.900	0.000
30	B9_Biased	0.895	0.896	0.000
30	C7_Biased	0.895	0.895	0.000
30	C9_Biased	0.895	0.896	0.000
30	A90_Unbiased	0.898	0.898	0.000
30	B10_Unbiased	0.894	0.894	0.000
30	B11_Unbiased	0.897	0.897	0.000
30	C11_Unbiased	0.897	0.897	0.000
30	C12_Unbiased	0.896	0.896	0.000
0	106_Corr	0.896	0.896	0.000
0	15B_Corr	0.892	0.892	0.000
50	A92_Biased	0.898	0.897	0.000
50	A93_Biased	0.898	0.897	0.001
50	B12_Biased	0.893	0.893	0.000
50	B13_Biased	0.895	0.895	0.000
50	C14_Biased	0.896	0.896	0.000
50	A95_Unbiased	0.892	0.892	0.000
50	A96_Unbiased	0.897	0.896	0.001
50	B15_Unbiased	0.899	0.897	0.002
50	B16_Unbiased	0.894	0.894	0.000
50	C15_Unbiased	0.898	0.898	0.000
0	106_Corr	0.896	0.896	0.001
100	A97_Biased	0.895	0.895	0.000
100	A99_Biased	0.896	0.896	0.000
100	A100_Biased	0.891	0.892	-0.001
100	A101_Biased	0.897	0.897	0.000
100	A102_Biased	0.898	0.898	0.001
100	A104_Biased	0.897	0.896	0.001
100	A105_Biased	0.893	0.893	0.000
100	B17_Biased	0.897	0.897	0.000
100	B18_Biased	0.891	0.891	-0.001
100	B19_Biased	0.893	0.893	0.000
100	B20_Biased	0.897	0.897	0.000
100	B21_Biased	0.896	0.896	0.000
100	B24_Biased	0.894	0.894	0.000
100	B25_Biased	0.895	0.896	-0.001
100	B26_Biased	0.892	0.892	0.000
100	C16_Biased	0.898	0.898	0.000
100	C17_Biased	0.896	0.896	0.000
100	C18_Biased	0.898	0.898	0.000
100	C19_Biased	0.896	0.896	0.000
100	C25_Biased	0.896	0.896	0.000
100	C26_Biased	0.897	0.896	0.000
100	C31_Biased	0.899	0.899	0.000
100	A107_Unbiased	0.896	0.896	0.000
100	A108_Unbiased	0.896	0.896	0.000
100	A109_Unbiased	0.896	0.897	-0.001
100	A110_Unbiased	0.897	0.897	0.000
100	A111_Unbiased	0.896	0.896	0.000
100	A112_Unbiased	0.898	0.897	0.000
100	A113_Unbiased	0.899	0.898	0.001
100	B27_Unbiased	0.894	0.893	0.000
100	B29_Unbiased	0.897	0.898	0.000
100	B30_Unbiased	0.895	0.895	-0.001
100	B31_Unbiased	0.896	0.896	0.000
100	B32_Unbiased	0.896	0.897	-0.001
100	B33_Unbiased	0.894	0.895	-0.001
100	B34_Unbiased	0.894	0.895	-0.001
100	B35_Unbiased	0.893	0.893	0.000
100	C32_Unbiased	0.895	0.894	0.000
100	C33_Unbiased	0.897	0.898	0.000
100	C34_Unbiased	0.896	0.896	0.000
100	C35_Unbiased	0.895	0.894	0.001
100	C36_Unbiased	0.899	0.898	0.001
100	C37_Unbiased	0.894	0.895	0.000
100	C38_Unbiased	0.897	0.896	0.000
	Max	0.901	0.901	0.002
	Average	0.896	0.896	0.000
	Min	0.891	0.891	-0.002
	Std Dev	0.002	0.002	0.001

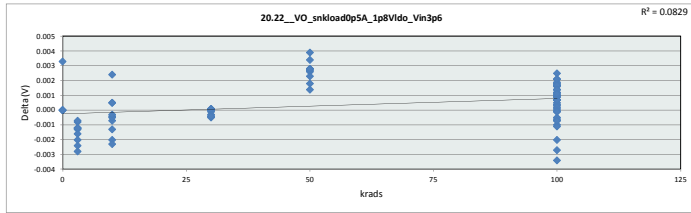


20.21_VO_noload_1p8Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.92 V					
Min Limit	0.88 V					
krads	0	3	10	30	50	100
LL	0.880	0.880	0.880	0.880	0.880	0.880
Min	0.892	0.892	0.892	0.894	0.892	0.891
Average	0.895	0.898	0.896	0.896	0.896	0.896
Max	0.897	0.901	0.900	0.900	0.898	0.899
UL	0.920	0.920	0.920	0.920	0.920	0.920

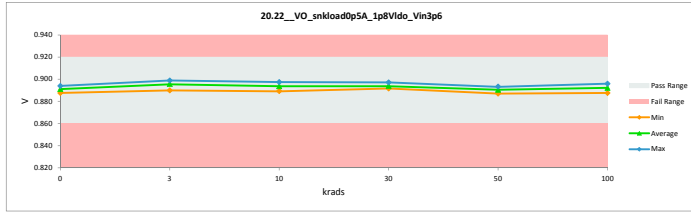


TID 100krad LDR Report
TPS7H3301-SP

20.22_VO_snkloadOp5A_1p8VIt				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V			
Max Limit	0.92			
Min Limit	0.86			
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.893	0.893	0.000
3	A79_Biased	0.897	0.899	-0.001
3	A80_Biased	0.893	0.896	-0.003
3	B1_Biased	0.896	0.897	-0.001
3	B2_Biased	0.889	0.890	-0.001
3	C1_Biased	0.893	0.894	-0.001
3	A82_Unbiased	0.894	0.896	-0.002
3	A83_Unbiased	0.894	0.896	-0.002
3	B4_Unbiased	0.894	0.896	-0.002
3	B5_Unbiased	0.894	0.896	-0.001
3	C2_Unbiased	0.896	0.897	-0.001
10	A85_Biased	0.887	0.889	-0.002
10	A86_Biased	0.891	0.893	-0.002
10	B6_Biased	0.898	0.895	0.002
10	C3_Biased	0.894	0.893	0.000
10	C4_Biased	0.896	0.896	0.000
10	A87_Unbiased	0.891	0.892	0.000
10	A88_Unbiased	0.896	0.897	-0.001
10	B7_Unbiased	0.894	0.894	-0.001
10	C5_Unbiased	0.895	0.895	0.000
10	C6_Unbiased	0.891	0.891	0.000
0	106_Corr	0.894	0.894	0.000
30	A89_Biased	0.892	0.893	-0.001
30	B8_Biased	0.897	0.897	0.000
30	B9_Biased	0.893	0.893	0.000
30	C7_Biased	0.893	0.893	0.000
30	C9_Biased	0.893	0.893	0.000
30	A90_Unbiased	0.895	0.895	0.000
30	B10_Unbiased	0.892	0.892	0.000
30	B11_Unbiased	0.894	0.895	0.000
30	C11_Unbiased	0.895	0.894	0.000
30	C12_Unbiased	0.894	0.893	0.000
0	106_Corr	0.891	0.891	0.000
0	15B_Corr	0.887	0.887	0.000
50	A92_Biased	0.895	0.892	0.003
50	A93_Biased	0.896	0.892	0.003
50	B12_Biased	0.890	0.888	0.001
50	B13_Biased	0.892	0.890	0.003
50	C14_Biased	0.893	0.891	0.003
50	A95_Unbiased	0.889	0.887	0.002
50	A96_Unbiased	0.894	0.891	0.003
50	B15_Unbiased	0.896	0.892	0.004
50	B16_Unbiased	0.892	0.889	0.003
50	C15_Unbiased	0.896	0.893	0.002
0	106_Corr	0.894	0.894	0.000
100	A97_Biased	0.892	0.891	0.001
100	A99_Biased	0.893	0.893	0.000
100	A100_Biased	0.888	0.888	0.000
100	A101_Biased	0.895	0.894	0.001
100	A102_Biased	0.896	0.893	0.002
100	A104_Biased	0.895	0.893	0.002
100	A105_Biased	0.890	0.889	0.001
100	B17_Biased	0.894	0.893	0.001
100	B18_Biased	0.888	0.888	0.001
100	B19_Biased	0.891	0.889	0.002
100	B20_Biased	0.895	0.894	0.001
100	B21_Biased	0.894	0.892	0.001
100	B24_Biased	0.891	0.891	0.001
100	B25_Biased	0.892	0.893	-0.001
100	B26_Biased	0.887	0.890	-0.002
100	C16_Biased	0.895	0.894	0.001
100	C17_Biased	0.893	0.891	0.002
100	C18_Biased	0.895	0.894	0.001
100	C19_Biased	0.893	0.891	0.002
100	C25_Biased	0.894	0.893	0.001
100	C26_Biased	0.894	0.892	0.002
100	C31_Biased	0.897	0.896	0.001
100	A107_Unbiased	0.892	0.892	0.000
100	A108_Unbiased	0.891	0.892	-0.001
100	A109_Unbiased	0.893	0.894	-0.001
100	A110_Unbiased	0.894	0.893	0.001
100	A111_Unbiased	0.893	0.893	0.000
100	A112_Unbiased	0.895	0.893	0.001
100	A113_Unbiased	0.896	0.895	0.002
100	B27_Unbiased	0.891	0.891	0.001
100	B29_Unbiased	0.895	0.895	-0.001
100	B30_Unbiased	0.892	0.892	-0.001
100	B31_Unbiased	0.893	0.893	0.000
100	B32_Unbiased	0.891	0.894	-0.003
100	B33_Unbiased	0.891	0.892	-0.001
100	B34_Unbiased	0.889	0.892	-0.003
100	B35_Unbiased	0.890	0.890	0.000
100	C32_Unbiased	0.892	0.890	0.002
100	C33_Unbiased	0.895	0.895	0.000
100	C34_Unbiased	0.893	0.892	0.001
100	C35_Unbiased	0.893	0.892	0.001
100	C36_Unbiased	0.896	0.894	0.002
100	C37_Unbiased	0.891	0.890	0.001
100	C38_Unbiased	0.894	0.893	0.001
	Max	0.898	0.899	0.004
	Average	0.893	0.893	0.000
	Min	0.887	0.887	-0.003
	Std Dev	0.002	0.002	0.002

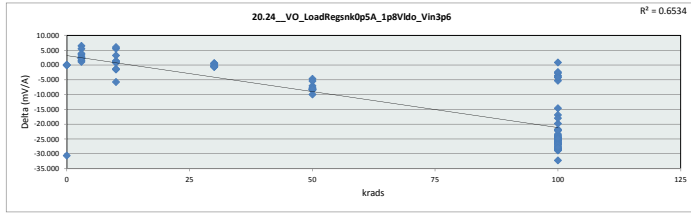


20.22_VO_snkloadOp5A_1p8V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.92					
Min Limit	0.86					
krads	0	3	10	30	50	100
LL	0.860	0.860	0.860	0.860	0.860	0.860
Min	0.888	0.890	0.889	0.892	0.887	0.888
Average	0.891	0.896	0.894	0.894	0.891	0.892
Max	0.894	0.899	0.897	0.897	0.893	0.896
UL	0.920	0.920	0.920	0.920	0.920	0.920

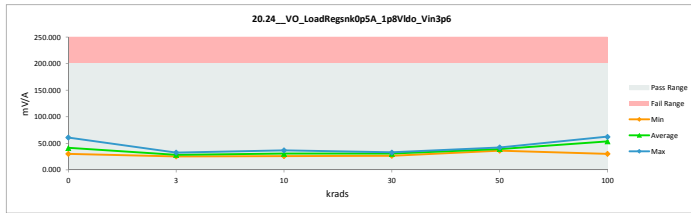


TID 100krad LDR Report
TPS7H3301-SP

20_24_VO_LoadRegsKOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	36.057	36.057	0.000
3	A79_Biased	28.235	25.566	2.669
3	A80_Biased	34.732	28.260	6.472
3	B1_Biased	27.801	25.298	2.503
3	B2_Biased	33.897	32.336	1.561
3	C1_Biased	31.593	30.459	1.134
3	A82_Unbiased	33.515	28.032	5.483
3	A83_Unbiased	34.041	30.541	3.500
3	B4_Unbiased	30.463	26.611	3.852
3	B5_Unbiased	28.385	26.184	2.201
3	C2_Unbiased	28.999	26.725	2.274
10	A85_Biased	42.090	36.531	5.559
10	A86_Biased	37.090	31.231	5.859
10	B6_Biased	24.524	30.227	-5.703
10	C3_Biased	30.249	31.759	-1.510
10	C4_Biased	26.870	28.182	-1.312
10	A87_Unbiased	32.235	31.231	1.004
10	A88_Unbiased	28.982	25.777	3.205
10	B7_Unbiased	29.592	28.189	1.403
10	C5_Unbiased	29.753	28.610	1.143
10	C6_Unbiased	32.642	31.917	0.725
0	106_Corr	30.057	30.057	0.000
30	A89_Biased	32.094	31.503	0.591
30	B8_Biased	26.020	26.192	-0.172
30	B9_Biased	30.386	30.708	-0.322
30	C7_Biased	30.713	31.231	-0.518
30	C9_Biased	31.461	30.817	0.644
30	A90_Unbiased	30.346	30.038	0.308
30	B10_Unbiased	32.295	32.690	-0.395
30	B11_Unbiased	30.147	29.790	0.357
30	C11_Unbiased	32.595	29.109	3.486
30	C12_Unbiased	29.974	30.614	-0.640
0	106_Corr	38.850	38.850	0.000
0	158_Corr	40.596	40.596	0.000
50	A92_Biased	30.456	37.468	-7.012
50	A93_Biased	27.907	36.240	-8.333
50	B12_Biased	36.834	41.528	-4.694
50	B13_Biased	31.196	39.283	-8.087
50	C14_Biased	30.776	38.990	-8.214
50	A95_Unbiased	36.517	41.920	-5.403
50	A96_Unbiased	30.642	38.293	-7.651
50	B15_Unbiased	28.330	38.219	-9.889
50	B16_Unbiased	32.740	41.140	-8.400
50	C15_Unbiased	29.026	37.040	-8.014
0	106_Corr	30.057	30.057	0.000
100	A97_Biased	32.630	59.225	-26.595
100	A99_Biased	33.285	57.361	-24.076
100	A100_Biased	36.379	61.871	-25.492
100	A101_Biased	28.985	32.526	-3.541
100	A102_Biased	28.264	60.431	-32.167
100	A104_Biased	29.135	55.174	-26.039
100	A105_Biased	34.545	62.258	-27.713
100	B17_Biased	29.876	56.432	-26.556
100	B18_Biased	35.406	60.660	-25.254
100	B19_Biased	33.226	61.922	-28.696
100	B20_Biased	29.562	54.037	-24.475
100	B21_Biased	31.837	58.405	-26.568
100	B24_Biased	30.978	56.873	-25.895
100	B25_Biased	32.485	54.194	-21.709
100	B26_Biased	36.707	53.539	-16.832
100	C16_Biased	29.351	56.274	-26.923
100	C17_Biased	31.190	59.349	-28.159
100	C18_Biased	29.654	33.837	-3.983
100	C19_Biased	29.749	57.801	-28.052
100	C25_Biased	29.540	55.160	-25.620
100	C26_Biased	31.171	36.487	-5.316
100	C31_Biased	27.360	30.074	-2.714
100	A107_Unbiased	33.557	55.618	-22.061
100	A108_Unbiased	37.446	36.555	0.891
100	A109_Unbiased	35.654	55.473	-19.819
100	A110_Unbiased	32.568	34.902	-2.334
100	A111_Unbiased	33.267	57.915	-24.648
100	A112_Unbiased	31.762	36.006	-4.244
100	A113_Unbiased	26.833	53.001	-26.168
100	B27_Unbiased	31.777	56.888	-25.111
100	B29_Unbiased	29.148	52.482	-23.334
100	B30_Unbiased	32.893	56.663	-23.770
100	B31_Unbiased	30.971	55.901	-24.930
100	B32_Unbiased	38.822	53.438	-14.616
100	B33_Unbiased	31.987	54.175	-22.188
100	B34_Unbiased	40.608	58.502	-17.894
100	B35_Unbiased	34.850	59.371	-24.521
100	C32_Unbiased	31.104	60.006	-28.902
100	C33_Unbiased	28.263	53.003	-24.740
100	C34_Unbiased	31.329	58.725	-27.396
100	C35_Unbiased	29.698	56.656	-26.958
100	C36_Unbiased	26.592	55.226	-28.634
100	C37_Unbiased	32.218	60.670	-28.452
100	C38_Unbiased	29.607	57.365	-27.758
	Max	42.090	62.258	6.472
	Average	31.488	43.988	-11.400
	Min	24.524	25.298	-32.167
	Std Dev	3.402	12.850	12.638

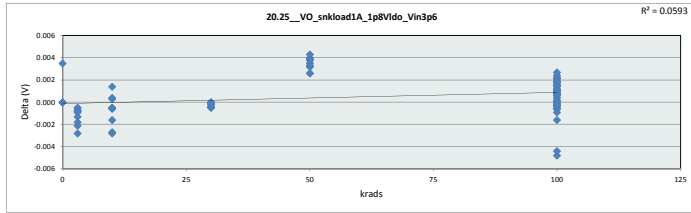


20_24_VO_LoadRegsKOp5A						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	30.057	25.298	25.777	26.192	36.240	30.074
Average	41.231	28.001	30.365	30.269	39.012	53.460
Max	60.596	32.336	36.531	32.690	41.920	62.258
UL	200.000	200.000	200.000	200.000	200.000	200.000

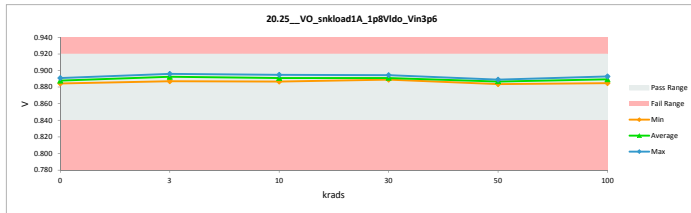


TID 100krad LDR Report
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20_25_VO_snkload1A_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.92	0.92		
Min Limit	0.84	0.84		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.889	0.889	0.000
3	A79_Biased	0.895	0.896	-0.001
3	A80_Biased	0.890	0.893	-0.003
3	B1_Biased	0.893	0.894	-0.001
3	B2_Biased	0.887	0.887	-0.001
3	C1_Biased	0.890	0.891	-0.001
3	A82_Unbiased	0.891	0.893	-0.002
3	A83_Unbiased	0.891	0.893	-0.002
3	B4_Unbiased	0.892	0.893	-0.001
3	B5_Unbiased	0.891	0.892	-0.001
3	C2_Unbiased	0.893	0.894	-0.001
10	A85_Biased	0.884	0.887	-0.003
10	A86_Biased	0.888	0.891	-0.003
10	B6_Biased	0.894	0.892	0.001
10	C3_Biased	0.891	0.891	0.000
10	C4_Biased	0.893	0.893	0.000
10	A87_Unbiased	0.889	0.889	-0.001
10	A88_Unbiased	0.893	0.895	-0.002
10	B7_Unbiased	0.891	0.891	0.000
10	C5_Unbiased	0.892	0.893	-0.001
10	C6_Unbiased	0.888	0.889	0.000
0	106_Corr	0.891	0.891	0.000
30	A89_Biased	0.889	0.890	-0.001
30	B8_Biased	0.894	0.894	0.000
30	B9_Biased	0.890	0.890	0.000
30	C7_Biased	0.890	0.890	0.000
30	C9_Biased	0.890	0.890	0.000
30	A90_Unbiased	0.892	0.892	0.000
30	B10_Unbiased	0.889	0.889	0.000
30	B11_Unbiased	0.892	0.892	0.000
30	C11_Unbiased	0.892	0.892	0.000
30	C12_Unbiased	0.891	0.891	0.000
0	106_Corr	0.887	0.887	0.000
0	15B_Corr	0.884	0.884	0.000
50	A92_Biased	0.892	0.889	0.003
50	A93_Biased	0.893	0.889	0.004
50	B12_Biased	0.887	0.885	0.003
50	B13_Biased	0.890	0.886	0.004
50	C14_Biased	0.891	0.887	0.004
50	A95_Unbiased	0.886	0.883	0.003
50	A96_Unbiased	0.891	0.887	0.003
50	B15_Unbiased	0.893	0.889	0.004
50	B16_Unbiased	0.889	0.886	0.003
50	C15_Unbiased	0.893	0.889	0.004
0	106_Corr	0.891	0.891	0.000
100	A97_Biased	0.889	0.888	0.001
100	A99_Biased	0.890	0.890	0.001
100	A100_Biased	0.885	0.885	0.000
100	A101_Biased	0.892	0.891	0.002
100	A102_Biased	0.893	0.890	0.003
100	A104_Biased	0.892	0.890	0.002
100	A105_Biased	0.888	0.887	0.001
100	B17_Biased	0.891	0.890	0.002
100	B18_Biased	0.886	0.885	0.001
100	B19_Biased	0.888	0.886	0.001
100	B20_Biased	0.892	0.891	0.001
100	B21_Biased	0.891	0.890	0.002
100	B24_Biased	0.889	0.888	0.001
100	B25_Biased	0.890	0.890	0.000
100	B26_Biased	0.887	0.887	0.000
100	C16_Biased	0.893	0.892	0.001
100	C17_Biased	0.891	0.888	0.002
100	C18_Biased	0.892	0.891	0.001
100	C19_Biased	0.891	0.888	0.002
100	C25_Biased	0.891	0.890	0.001
100	C26_Biased	0.891	0.889	0.002
100	C31_Biased	0.894	0.893	0.001
100	A107_Unbiased	0.890	0.890	0.000
100	A108_Unbiased	0.888	0.889	-0.001
100	A109_Unbiased	0.890	0.891	-0.002
100	A110_Unbiased	0.891	0.891	0.000
100	A111_Unbiased	0.890	0.890	0.000
100	A112_Unbiased	0.892	0.890	0.002
100	A113_Unbiased	0.893	0.892	0.002
100	B27_Unbiased	0.888	0.888	0.001
100	B29_Unbiased	0.892	0.892	0.000
100	B30_Unbiased	0.889	0.890	-0.001
100	B31_Unbiased	0.891	0.891	0.000
100	B32_Unbiased	0.887	0.891	-0.005
100	B33_Unbiased	0.889	0.890	-0.001
100	B34_Unbiased	0.885	0.889	-0.004
100	B35_Unbiased	0.887	0.888	0.000
100	C32_Unbiased	0.889	0.888	0.002
100	C33_Unbiased	0.892	0.892	0.000
100	C34_Unbiased	0.890	0.890	0.001
100	C35_Unbiased	0.890	0.888	0.001
100	C36_Unbiased	0.893	0.891	0.002
100	C37_Unbiased	0.888	0.887	0.002
100	C38_Unbiased	0.891	0.890	0.001
	Max	0.895	0.896	0.004
	Average	0.890	0.890	0.000
	Min	0.884	0.883	-0.005
	Std Dev	0.002	0.003	0.002

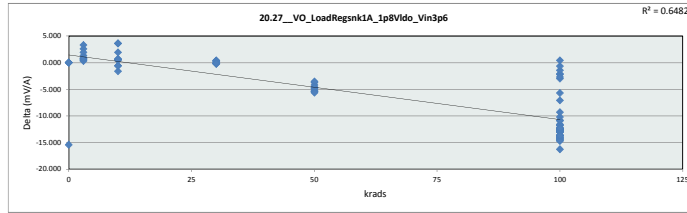


20_25_VO_snkload1A_1p8Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.92	V				
Min Limit	0.84	V				
Krads	0	3	10	30	50	100
LL	0.840	0.840	0.840	0.840	0.840	0.840
Min	0.884	0.887	0.887	0.889	0.884	0.885
Average	0.888	0.893	0.891	0.891	0.887	0.889
Max	0.891	0.896	0.895	0.894	0.889	0.893
UL	0.920	0.920	0.920	0.920	0.920	0.920

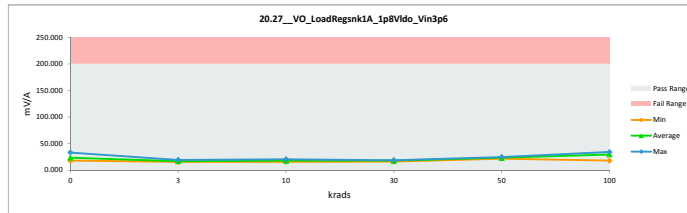


TID 100krad LDR Report
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20.27_VO_LoadReqsnk1A_1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	21.660	21.660	0.000
3	A79_Biased	17.183	15.849	1.334
3	A80_Biased	20.613	17.338	3.275
3	B1_Biased	16.755	16.053	0.702
3	B2_Biased	19.988	19.567	0.421
3	C1_Biased	18.821	18.135	0.686
3	A82_Unbiased	19.849	17.294	2.555
3	A83_Unbiased	20.358	18.438	1.920
3	B4_Unbiased	17.042	16.750	0.292
3	B5_Unbiased	17.311	16.721	0.590
3	C2_Unbiased	17.729	16.870	0.859
10	A85_Biased	24.602	20.995	3.607
10	A86_Biased	19.161	18.445	0.716
10	B6_Biased	16.764	18.408	-1.644
10	C3_Biased	18.345	18.967	-0.622
10	C4_Biased	16.747	17.341	-0.594
10	A87_Unbiased	19.161	18.445	0.716
10	A88_Unbiased	17.823	15.929	1.894
10	B7_Unbiased	17.816	17.316	0.500
10	C5_Unbiased	17.965	17.354	0.611
10	C6_Unbiased	19.276	18.807	0.469
0	106_Corr	18.216	18.216	0.000
30	A89_Biased	19.032	18.749	0.283
30	B8_Biased	16.120	16.325	-0.205
30	B9_Biased	18.348	18.275	0.073
30	C7_Biased	18.253	18.502	-0.249
30	C9_Biased	18.760	18.326	0.434
30	A90_Unbiased	18.387	18.097	0.290
30	B10_Unbiased	18.991	19.169	-0.178
30	B11_Unbiased	18.269	17.987	0.282
30	C11_Unbiased	17.482	17.580	-0.098
30	C12_Unbiased	18.142	18.272	-0.130
0	106_Corr	22.884	22.884	0.000
0	15B_Corr	23.735	23.735	0.000
50	A92_Biased	18.377	22.597	-4.220
50	A93_Biased	17.157	21.971	-4.814
50	B12_Biased	21.439	25.199	-3.760
50	B13_Biased	18.675	24.078	-5.403
50	C14_Biased	18.550	23.721	-5.171
50	A95_Unbiased	21.321	24.888	-3.567
50	A96_Unbiased	18.505	23.152	-4.647
50	B15_Unbiased	17.353	22.764	-5.411
50	B16_Unbiased	19.508	24.290	-4.782
50	C15_Unbiased	17.539	23.173	-5.634
0	106_Corr	18.216	33.687	-15.471
100	A97_Biased	19.540	32.599	-13.059
100	A99_Biased	19.560	31.933	-12.373
100	A100_Biased	21.681	34.183	-12.502
100	A101_Biased	17.466	19.721	-2.255
100	A102_Biased	17.298	33.576	-16.278
100	A104_Biased	17.776	30.759	-12.983
100	A105_Biased	20.228	34.339	-14.111
100	B17_Biased	17.925	31.678	-13.753
100	B18_Biased	20.791	33.529	-12.738
100	B19_Biased	19.783	33.960	-14.177
100	B20_Biased	17.615	30.214	-12.599
100	B21_Biased	18.707	32.406	-13.699
100	B24_Biased	18.616	31.655	-13.039
100	B25_Biased	18.507	30.112	-11.605
100	B26_Biased	19.533	29.783	-10.250
100	C16_Biased	17.490	31.261	-13.771
100	C17_Biased	18.588	32.972	-14.384
100	C18_Biased	17.817	19.949	-2.132
100	C19_Biased	18.002	32.133	-14.131
100	C25_Biased	17.903	30.698	-12.795
100	C26_Biased	18.547	21.561	-3.014
100	C31_Biased	16.784	18.286	-1.472
100	A107_Unbiased	19.950	30.757	-10.807
100	A108_Unbiased	22.240	21.808	0.432
100	A109_Unbiased	21.313	30.638	-9.325
100	A110_Unbiased	19.330	20.013	-0.683
100	A111_Unbiased	20.156	32.462	-12.306
100	A112_Unbiased	18.665	21.381	-2.716
100	A113_Unbiased	16.735	29.766	-13.031
100	B27_Unbiased	19.123	31.762	-12.639
100	B29_Unbiased	17.395	29.253	-11.858
100	B30_Unbiased	19.606	31.717	-12.111
100	B31_Unbiased	18.286	30.813	-12.527
100	B32_Unbiased	24.097	29.787	-5.690
100	B33_Unbiased	19.148	30.085	-10.937
100	B34_Unbiased	25.035	32.129	-7.094
100	B35_Unbiased	20.335	32.601	-12.266
100	C32_Unbiased	18.737	33.134	-14.397
100	C33_Unbiased	17.353	29.690	-12.337
100	C34_Unbiased	18.724	32.413	-13.689
100	C35_Unbiased	18.178	31.762	-13.584
100	C36_Unbiased	16.475	31.098	-14.623
100	C37_Unbiased	19.067	33.821	-14.754
100	C38_Unbiased	17.884	31.676	-13.792
	Max	25.035	34.339	3.607
	Average	18.981	24.808	-5.828
	Min	16.120	15.849	-16.278
	Std Dev	1.834	6.407	6.344

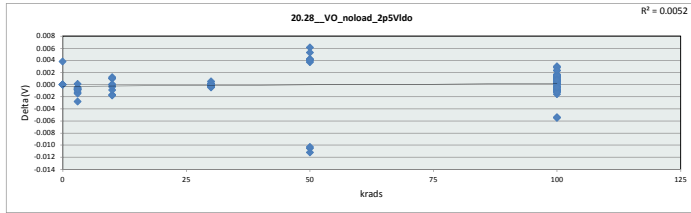


20.27_VO_LoadReqsnk1A_1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	18.216	15.849	15.929	16.325	21.971	18.256
Average	24.036	17.302	18.218	18.128	23.583	29.896
Max	33.687	19.567	20.995	19.169	25.199	34.339
UL	200.000	200.000	200.000	200.000	200.000	200.000

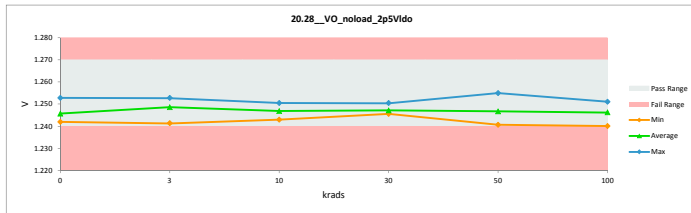


TID 100krad LDR Report
TPS7H3301-SP

20.28_VO_noload_2p5Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.27	1.27		
Min Limit	1.24	1.24		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.245	1.245	0.000
3	A79_Biased	1.253	1.253	0.000
3	A80_Biased	1.248	1.251	-0.003
3	B1_Biased	1.250	1.251	-0.001
3	B2_Biased	1.240	1.241	-0.001
3	C1_Biased	1.247	1.248	-0.001
3	A82_Unbiased	1.247	1.248	-0.001
3	A83_Unbiased	1.245	1.250	-0.002
3	B4_Unbiased	1.247	1.247	-0.001
3	B5_Unbiased	1.247	1.247	0.000
3	C2_Unbiased	1.249	1.250	-0.001
10	A85_Biased	1.241	1.243	-0.002
10	A86_Biased	1.244	1.246	-0.002
10	B6_Biased	1.249	1.248	0.001
10	C3_Biased	1.248	1.247	0.001
10	C4_Biased	1.252	1.250	0.001
10	A87_Unbiased	1.244	1.244	0.000
10	A88_Unbiased	1.249	1.250	-0.001
10	B7_Unbiased	1.248	1.248	0.000
10	C5_Unbiased	1.248	1.248	0.000
10	C6_Unbiased	1.245	1.245	0.000
0	106_Corr	1.246	1.246	0.000
30	A89_Biased	1.246	1.246	0.000
30	B8_Biased	1.250	1.250	0.000
30	B9_Biased	1.245	1.246	0.000
30	C7_Biased	1.245	1.245	0.000
30	C9_Biased	1.246	1.246	0.000
30	A90_Unbiased	1.250	1.250	0.000
30	B10_Unbiased	1.246	1.245	0.000
30	B11_Unbiased	1.248	1.248	0.000
30	C11_Unbiased	1.249	1.249	0.000
30	C12_Unbiased	1.245	1.246	0.000
0	106_Corr	1.242	1.242	0.000
0	15B_Corr	1.253	1.253	0.000
50	A92_Biased	1.249	1.245	0.004
50	A93_Biased	1.248	1.244	0.004
50	B12_Biased	1.243	1.254	-0.011
50	B13_Biased	1.244	1.255	-0.010
50	C14_Biased	1.246	1.242	0.004
50	A95_Unbiased	1.242	1.253	-0.010
50	A96_Unbiased	1.247	1.243	0.004
50	B15_Unbiased	1.251	1.245	0.006
50	B16_Unbiased	1.245	1.241	0.004
50	C15_Unbiased	1.251	1.246	0.005
0	106_Corr	1.246	1.246	0.000
100	A97_Biased	1.245	1.245	0.001
100	A99_Biased	1.245	1.245	0.000
100	A100_Biased	1.241	1.241	0.000
100	A101_Biased	1.248	1.248	0.000
100	A102_Biased	1.249	1.251	-0.002
100	A104_Biased	1.246	1.245	0.001
100	A105_Biased	1.244	1.243	0.001
100	B17_Biased	1.247	1.246	0.001
100	B18_Biased	1.240	1.240	0.000
100	B19_Biased	1.245	1.244	0.001
100	B20_Biased	1.247	1.247	0.000
100	B21_Biased	1.247	1.246	0.001
100	B24_Biased	1.245	1.244	0.000
100	B25_Biased	1.245	1.246	-0.001
100	B26_Biased	1.240	1.241	-0.001
100	C16_Biased	1.251	1.250	0.001
100	C17_Biased	1.249	1.247	0.002
100	C18_Biased	1.250	1.250	0.001
100	C19_Biased	1.247	1.245	0.001
100	C25_Biased	1.246	1.246	0.000
100	C26_Biased	1.249	1.247	0.002
100	C31_Biased	1.251	1.250	0.001
100	A107_Unbiased	1.246	1.246	0.000
100	A108_Unbiased	1.246	1.247	-0.001
100	A109_Unbiased	1.245	1.246	-0.001
100	A110_Unbiased	1.248	1.247	0.000
100	A111_Unbiased	1.247	1.247	0.001
100	A112_Unbiased	1.252	1.249	0.003
100	A113_Unbiased	1.248	1.248	0.001
100	B27_Unbiased	1.243	1.243	0.000
100	B29_Unbiased	1.248	1.249	-0.001
100	B30_Unbiased	1.244	1.245	-0.001
100	B31_Unbiased	1.247	1.248	-0.001
100	B32_Unbiased	1.242	1.248	-0.005
100	B33_Unbiased	1.243	1.245	-0.001
100	B34_Unbiased	1.240	1.245	-0.005
100	B35_Unbiased	1.243	1.244	0.000
100	C32_Unbiased	1.247	1.245	0.002
100	C33_Unbiased	1.248	1.249	0.000
100	C34_Unbiased	1.248	1.247	0.001
100	C35_Unbiased	1.246	1.245	0.002
100	C36_Unbiased	1.252	1.249	0.003
100	C37_Unbiased	1.248	1.245	0.002
100	C38_Unbiased	1.249	1.248	0.001
	Max	1.253	1.255	0.006
	Average	1.247	1.247	0.000
	Min	1.240	1.240	-0.011
	Std Dev	0.003	0.003	0.003

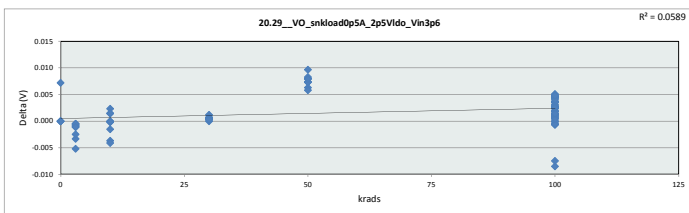


20.28_VO_noload_2p5Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.27	V				
Min Limit	1.24	V				
Krads	LL	3	10	30	50	100
LL	1.240	1.240	1.240	1.240	1.240	1.240
Min	1.242	1.241	1.243	1.246	1.241	1.240
Average	1.246	1.249	1.247	1.247	1.247	1.246
Max	1.253	1.253	1.251	1.250	1.255	1.251
UL	1.270	1.270	1.270	1.270	1.270	1.270

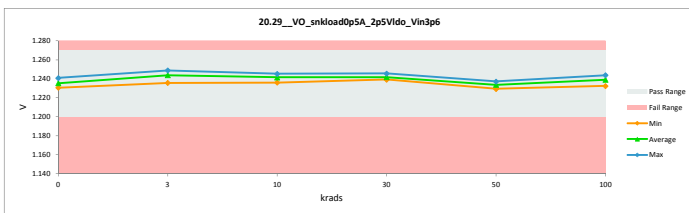


TID 100krad LDR Report
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20_29_VO_snkloadOp5A_2p5VIt				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.27	1.27		
Min Limit	1.2	1.2		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.238	1.238	0.000
3	A79_Biased	1.248	1.249	-0.001
3	A80_Biased	1.241	1.246	-0.005
3	B1_Biased	1.245	1.246	-0.001
3	B2_Biased	1.235	1.236	-0.001
3	C1_Biased	1.241	1.242	-0.001
3	A82_Unbiased	1.240	1.244	-0.003
3	A83_Unbiased	1.242	1.244	-0.003
3	B4_Unbiased	1.242	1.243	0.000
3	B5_Unbiased	1.242	1.243	-0.001
3	C2_Unbiased	1.244	1.245	-0.001
10	A85_Biased	1.232	1.236	-0.004
10	A86_Biased	1.237	1.241	-0.004
10	B6_Biased	1.245	1.242	0.002
10	C3_Biased	1.242	1.241	0.002
10	C4_Biased	1.247	1.245	0.001
10	A87_Unbiased	1.239	1.239	0.000
10	A88_Unbiased	1.244	1.245	-0.002
10	B7_Unbiased	1.243	1.243	0.000
10	C5_Unbiased	1.243	1.243	0.000
10	C6_Unbiased	1.239	1.239	0.000
0	106_Corr	1.241	1.241	0.000
30	A89_Biased	1.240	1.240	0.001
30	B8_Biased	1.246	1.246	0.000
30	B9_Biased	1.241	1.240	0.001
30	C7_Biased	1.241	1.240	0.001
30	C9_Biased	1.240	1.240	0.000
30	A90_Unbiased	1.245	1.244	0.000
30	B10_Unbiased	1.240	1.239	0.001
30	B11_Unbiased	1.243	1.243	0.000
30	C11_Unbiased	1.244	1.243	0.001
30	C12_Unbiased	1.241	1.240	0.000
0	106_Corr	1.234	1.234	0.000
0	15B_Corr	1.231	1.231	0.000
50	A92_Biased	1.243	1.236	0.007
50	A93_Biased	1.243	1.236	0.007
50	B12_Biased	1.237	1.230	0.006
50	B13_Biased	1.239	1.231	0.008
50	C14_Biased	1.241	1.233	0.008
50	A95_Unbiased	1.235	1.229	0.006
50	A96_Unbiased	1.242	1.234	0.007
50	B15_Unbiased	1.247	1.237	0.010
50	B16_Unbiased	1.240	1.232	0.008
50	C15_Unbiased	1.245	1.237	0.008
0	106_Corr	1.241	1.241	0.001
100	A97_Biased	1.240	1.237	0.002
100	A99_Biased	1.240	1.238	0.002
100	A100_Biased	1.234	1.232	0.002
100	A101_Biased	1.244	1.241	0.003
100	A102_Biased	1.245	1.244	0.001
100	A104_Biased	1.242	1.237	0.004
100	A105_Biased	1.237	1.234	0.003
100	B17_Biased	1.242	1.239	0.004
100	B18_Biased	1.235	1.233	0.002
100	B19_Biased	1.239	1.235	0.005
100	B20_Biased	1.243	1.240	0.002
100	B21_Biased	1.243	1.239	0.004
100	B24_Biased	1.239	1.237	0.002
100	B25_Biased	1.240	1.240	0.000
100	B26_Biased	1.235	1.235	0.000
100	C16_Biased	1.245	1.242	0.003
100	C17_Biased	1.243	1.238	0.004
100	C18_Biased	1.245	1.242	0.003
100	C19_Biased	1.242	1.237	0.005
100	C25_Biased	1.241	1.240	0.001
100	C26_Biased	1.243	1.238	0.005
100	C31_Biased	1.246	1.244	0.003
100	A107_Unbiased	1.239	1.238	0.001
100	A108_Unbiased	1.238	1.239	-0.001
100	A109_Unbiased	1.238	1.239	-0.001
100	A110_Unbiased	1.242	1.240	0.002
100	A111_Unbiased	1.241	1.239	0.002
100	A112_Unbiased	1.246	1.242	0.005
100	A113_Unbiased	1.244	1.241	0.004
100	B27_Unbiased	1.238	1.237	0.001
100	B29_Unbiased	1.243	1.243	0.000
100	B30_Unbiased	1.240	1.240	0.000
100	B31_Unbiased	1.242	1.241	0.001
100	B32_Unbiased	1.234	1.242	-0.008
100	B33_Unbiased	1.239	1.239	-0.001
100	B34_Unbiased	1.232	1.239	-0.007
100	B35_Unbiased	1.238	1.237	0.000
100	C32_Unbiased	1.241	1.237	0.004
100	C33_Unbiased	1.243	1.243	0.000
100	C34_Unbiased	1.242	1.241	0.001
100	C35_Unbiased	1.241	1.237	0.004
100	C36_Unbiased	1.246	1.241	0.005
100	C37_Unbiased	1.241	1.236	0.005
100	C38_Unbiased	1.243	1.240	0.003
	Max	1.248	1.249	0.010
	Average	1.241	1.239	0.002
	Min	1.231	1.229	-0.008
	Std Dev	0.004	0.004	0.003

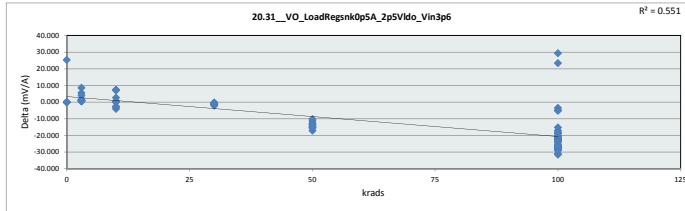


20_29_VO_snkloadOp5A_2p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.27	V				
Min Limit	1.2	V				
Krads	0	3	10	30	50	100
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.231	1.236	1.236	1.239	1.229	1.232
Average	1.235	1.244	1.241	1.242	1.234	1.239
Max	1.241	1.249	1.245	1.246	1.237	1.244
UL	1.270	1.270	1.270	1.270	1.270	1.270

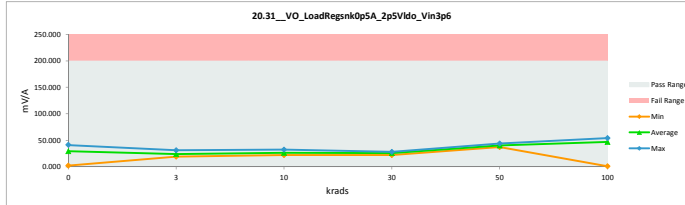


TID 100krad LDR Report
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20_31_VO_LoadRegsK0p5A_2p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	35.179	35.179	0.000
3	A79_Biased	20.465	19.485	0.980
3	A80_Unbiased	29.308	20.744	8.564
3	B1_Biased	21.627	20.432	1.195
3	B2_Biased	32.103	31.369	0.734
3	C1_Biased	26.823	25.571	1.252
3	A82_Unbiased	29.998	24.459	5.539
3	A83_Unbiased	29.621	25.655	3.966
3	B4_Unbiased	25.162	24.868	0.294
3	B5_Unbiased	24.120	23.649	0.471
3	C2_Unbiased	24.070	22.517	1.553
10	A85_Biased	39.264	32.290	6.974
10	A86_Biased	34.582	27.081	7.471
10	B6_Biased	23.251	27.342	-4.091
10	C3_Biased	25.011	27.918	-2.907
10	C4_Biased	19.756	22.315	-2.559
10	A87_Unbiased	27.803	27.580	0.223
10	A88_Unbiased	25.361	22.742	2.619
10	B7_Unbiased	23.336	23.244	0.092
10	C5_Unbiased	24.930	24.433	0.497
10	C6_Unbiased	27.606	27.470	0.136
0	106_Corr	27.417	27.417	0.000
30	A89_Biased	26.630	28.105	-1.475
30	B8_Biased	20.904	22.164	-1.260
30	B9_Biased	25.188	26.602	-1.414
30	C7_Biased	26.210	27.639	-1.429
30	C9_Biased	27.444	27.638	-0.194
30	A90_Unbiased	23.137	23.809	-0.672
30	B10_Unbiased	25.915	28.163	-2.248
30	B11_Unbiased	24.275	25.141	-0.866
30	C11_Unbiased	23.342	23.519	-1.177
30	C12_Unbiased	26.905	27.747	-0.842
0	106_Corr	40.702	40.702	0.000
0	15B_Corr	41.296	41.296	0.000
50	A92_Biased	24.804	38.107	-13.303
50	A93_Biased	24.494	37.223	-12.729
50	B12_Biased	32.572	43.992	-11.420
50	B13_Biased	28.689	43.149	-14.460
50	C14_Biased	26.409	41.029	-14.620
50	A95_Unbiased	33.001	43.334	-10.333
50	A96_Unbiased	26.327	39.758	-13.431
50	B15_Unbiased	20.182	37.267	-17.085
50	B16_Unbiased	27.463	43.072	-15.609
50	C15_Unbiased	22.260	37.512	-15.252
0	106_Corr	27.417	27.417	0.000
100	A97_Biased	27.733	50.941	-23.208
100	A99_Biased	29.850	52.199	-22.349
100	A100_Biased	33.635	54.324	-20.689
100	A101_Biased	23.008	50.054	-27.046
100	A102_Biased	22.813	49.227	-26.414
100	A104_Biased	26.607	53.176	-26.569
100	A105_Biased	30.896	1.495	29.401
100	B17_Biased	25.016	51.670	-26.654
100	B18_Biased	30.636	52.226	-21.690
100	B19_Biased	26.923	53.661	-26.738
100	B20_Biased	24.991	48.821	-23.830
100	B21_Biased	25.378	51.938	-26.560
100	B24_Biased	26.428	49.327	-22.899
100	B25_Biased	27.412	45.812	-18.400
100	B26_Biased	31.092	46.377	-15.285
100	C16_Biased	22.075	49.844	-27.769
100	C17_Biased	24.101	52.671	-28.570
100	C18_Biased	22.576	51.798	-28.798
100	C19_Biased	25.022	52.696	-27.674
100	C25_Biased	25.774	48.148	-22.374
100	C26_Biased	24.445	1.149	23.296
100	C31_Biased	21.185	48.411	-27.226
100	A107_Unbiased	30.641	52.145	-21.504
100	A108_Unbiased	32.266	52.408	-20.142
100	A109_Unbiased	33.190	51.516	-18.326
100	A110_Unbiased	27.410	31.008	-3.598
100	A111_Unbiased	27.901	51.507	-23.606
100	A112_Unbiased	21.024	52.562	-31.538
100	A113_Unbiased	23.367	49.943	-26.576
100	B27_Unbiased	28.480	47.400	-18.920
100	B29_Unbiased	23.467	44.225	-20.758
100	B30_Unbiased	28.022	46.545	-18.523
100	B31_Unbiased	24.582	47.608	-23.026
100	B32_Unbiased	40.961	45.743	-4.782
100	B33_Unbiased	28.447	45.652	-17.205
100	B34_Unbiased	42.336	47.679	-5.343
100	B35_Unbiased	29.318	47.813	-18.495
100	C32_Unbiased	25.360	51.134	-25.774
100	C33_Unbiased	22.940	45.430	-22.490
100	C34_Unbiased	24.709	48.306	-23.597
100	C35_Unbiased	24.532	49.823	-25.291
100	C36_Unbiased	19.397	50.332	-30.935
100	C37_Unbiased	24.562	53.582	-29.020
100	C38_Unbiased	23.748	50.059	-26.311
	Max	42.336	54.324	-29.401
	Average	19.397	38.107	-11.072
	Min	19.397	1.149	-31.538
	Std Dev	4.849	13.219	13.627

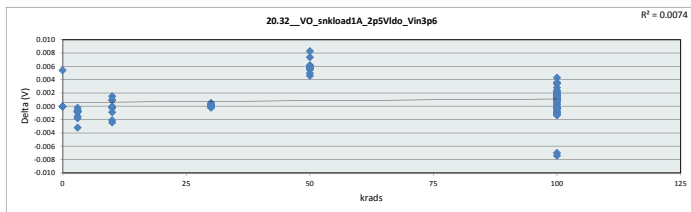


20_31_VO_LoadRegsK0p5A						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.210	19.485	22.315	22.164	37.223	1.149
Average	29.361	23.875	26.242	26.053	40.444	47.229
Max	41.296	31.369	32.290	28.163	43.992	54.324
UL	200.000	200.000	200.000	200.000	200.000	200.000

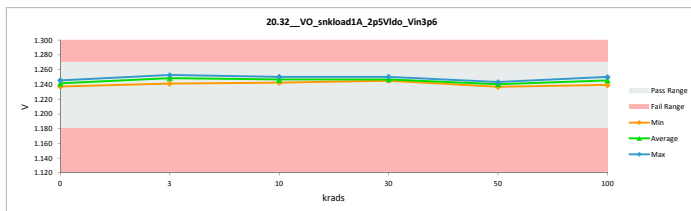


TID 100krad LDR Report
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20.32_VO_snkload1A_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.27	1.27		
Min Limit	1.18	1.18		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.244	1.244	0.000
3	A79_Biased	1.253	1.253	0.000
3	A80_Biased	1.248	1.251	-0.003
3	B1_Biased	1.250	1.251	-0.001
3	B2_Biased	1.240	1.241	-0.001
3	C1_Biased	1.247	1.247	-0.001
3	A82_Unbiased	1.246	1.248	-0.002
3	A83_Unbiased	1.248	1.250	-0.002
3	B4_Unbiased	1.247	1.247	-0.001
3	B5_Unbiased	1.247	1.247	-0.001
3	C2_Unbiased	1.249	1.250	-0.001
10	A85_Biased	1.240	1.242	-0.002
10	A86_Biased	1.243	1.246	-0.002
10	B6_Biased	1.249	1.248	0.002
10	C3_Biased	1.247	1.246	0.001
10	C4_Biased	1.251	1.250	0.001
10	A87_Unbiased	1.244	1.244	0.000
10	A88_Unbiased	1.248	1.249	-0.001
10	B7_Unbiased	1.247	1.248	0.000
10	C5_Unbiased	1.248	1.248	0.000
10	C6_Unbiased	1.244	1.244	0.000
0	106_Corr	1.246	1.246	0.000
30	A89_Biased	1.246	1.245	0.000
30	B8_Biased	1.250	1.250	0.000
30	B9_Biased	1.245	1.245	0.000
30	C7_Biased	1.245	1.245	0.000
30	C9_Biased	1.245	1.245	0.000
30	A90_Unbiased	1.249	1.249	0.000
30	B10_Unbiased	1.245	1.245	0.000
30	B11_Unbiased	1.248	1.248	0.000
30	C11_Unbiased	1.249	1.249	0.000
30	C12_Unbiased	1.245	1.245	0.000
0	106_Corr	1.240	1.240	0.000
0	15B_Corr	1.237	1.237	0.000
50	A92_Biased	1.248	1.243	0.006
50	A93_Biased	1.248	1.242	0.006
50	B12_Biased	1.242	1.238	0.005
50	B13_Biased	1.244	1.238	0.006
50	C14_Biased	1.246	1.240	0.006
50	A95_Unbiased	1.242	1.237	0.005
50	A96_Unbiased	1.247	1.241	0.006
50	B15_Unbiased	1.251	1.242	0.008
50	B16_Unbiased	1.244	1.239	0.006
50	C15_Unbiased	1.251	1.243	0.007
0	106_Corr	1.246	1.240	0.006
100	A97_Biased	1.245	1.244	0.001
100	A99_Biased	1.245	1.245	0.000
100	A100_Biased	1.241	1.240	0.001
100	A101_Biased	1.248	1.247	0.001
100	A102_Biased	1.249	1.249	0.000
100	A104_Biased	1.246	1.245	0.002
100	A105_Biased	1.243	1.242	0.002
100	B17_Biased	1.247	1.245	0.002
100	B18_Biased	1.240	1.239	0.001
100	B19_Biased	1.245	1.242	0.002
100	B20_Biased	1.247	1.246	0.001
100	B21_Biased	1.247	1.246	0.001
100	B24_Biased	1.244	1.244	0.000
100	B25_Biased	1.245	1.245	-0.001
100	B26_Biased	1.240	1.241	-0.001
100	C16_Biased	1.250	1.249	0.002
100	C17_Biased	1.248	1.245	0.003
100	C18_Biased	1.250	1.248	0.002
100	C19_Biased	1.247	1.244	0.002
100	C25_Biased	1.246	1.246	0.000
100	C26_Biased	1.249	1.245	0.003
100	C31_Biased	1.251	1.250	0.001
100	A107_Unbiased	1.245	1.245	0.000
100	A108_Unbiased	1.245	1.246	-0.001
100	A109_Unbiased	1.244	1.245	-0.001
100	A110_Unbiased	1.247	1.246	0.001
100	A111_Unbiased	1.247	1.246	0.001
100	A112_Unbiased	1.252	1.248	0.004
100	A113_Unbiased	1.248	1.247	0.001
100	B27_Unbiased	1.243	1.243	0.000
100	B29_Unbiased	1.248	1.248	0.000
100	B30_Unbiased	1.244	1.245	-0.001
100	B31_Unbiased	1.247	1.248	0.000
100	B32_Unbiased	1.240	1.247	-0.007
100	B33_Unbiased	1.243	1.245	-0.001
100	B34_Unbiased	1.238	1.238	0.000
100	B35_Unbiased	1.243	1.243	0.000
100	C32_Unbiased	1.246	1.244	0.002
100	C33_Unbiased	1.248	1.248	0.000
100	C34_Unbiased	1.248	1.247	0.001
100	C35_Unbiased	1.246	1.244	0.002
100	C36_Unbiased	1.251	1.248	0.003
100	C37_Unbiased	1.247	1.244	0.004
100	C38_Unbiased	1.248	1.247	0.001
	Max	1.253	1.253	0.008
	Average	1.246	1.245	0.001
	Min	1.237	1.237	-0.007
	Std Dev	0.003	0.003	0.003

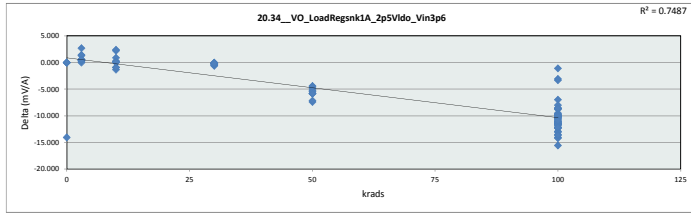


20.32_VO_snkload1A_2p5Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.27	V				
Min Limit	1.18	V				
Krads	LL	3	10	30	50	100
LL	1.180	1.180	1.180	1.180	1.180	1.180
Min	1.237	1.241	1.243	1.245	1.237	1.239
Average	1.241	1.248	1.247	1.247	1.240	1.245
Max	1.246	1.253	1.250	1.250	1.243	1.250
UL	1.270	1.270	1.270	1.270	1.270	1.270

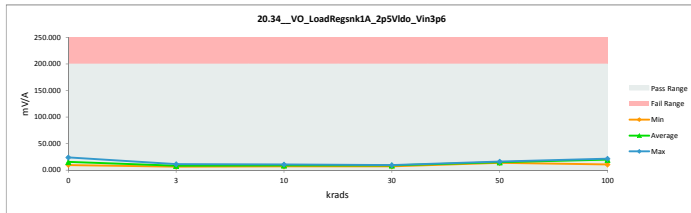


TID 100krad LDR Report
TPS7H3301-SP

20.34_VO_LoadReqsnk1A_2p5k				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	12.374	12.374	0.000
3	A79_Biased	6.548	6.565	-0.017
3	A80_Unbiased	9.299	6.992	2.497
3	B1_Biased	7.200	6.683	0.517
3	B2_Biased	11.830	11.225	0.605
3	C1_Biased	8.856	8.504	0.352
3	A89_Unbiased	10.273	8.982	1.291
3	A88_Unbiased	10.123	8.678	1.445
3	B4_Unbiased	9.185	8.898	0.287
3	B5_Unbiased	8.634	8.242	0.392
3	C2_Unbiased	8.208	7.694	0.514
10	A85_Biased	13.069	10.869	2.200
10	A86_Biased	12.129	9.756	2.373
10	B6_Biased	8.138	9.488	-1.350
10	C3_Biased	8.524	9.421	-0.897
10	C4_Biased	6.240	7.175	-0.935
10	A87_Unbiased	10.048	9.789	0.259
10	A88_Unbiased	9.010	8.148	0.862
10	B7_Unbiased	7.901	7.782	0.119
10	C5_Unbiased	8.651	8.543	0.108
10	C6_Unbiased	9.237	9.257	-0.020
0	106_Corr	9.860	9.860	0.000
30	A89_Biased	8.932	9.541	-0.609
30	B8_Biased	7.262	7.426	-0.164
30	B9_Biased	9.145	9.335	-0.190
30	C7_Biased	9.363	9.773	-0.410
30	C9_Biased	9.478	9.623	-0.148
30	A90_Unbiased	7.721	7.803	-0.082
30	B10_Unbiased	8.911	9.380	-0.469
30	B11_Unbiased	8.505	8.505	0.000
30	C11_Unbiased	7.029	7.363	-0.334
30	C12_Unbiased	9.642	9.793	-0.151
0	106_Corr	15.261	15.261	0.000
0	158_Corr	15.310	15.310	0.000
50	A92_Biased	8.415	13.734	-5.319
50	A93_Biased	8.481	13.649	-4.968
50	B12_Biased	11.615	16.007	-4.392
50	B13_Biased	10.459	16.234	-5.775
50	C14_Biased	9.227	15.090	-5.863
50	A95_Unbiased	11.187	15.779	-4.592
50	A96_Unbiased	9.127	14.539	-5.412
50	B15_Unbiased	6.670	14.055	-7.385
50	B16_Unbiased	10.019	15.866	-5.847
50	C15_Unbiased	6.668	13.847	-7.179
0	106_Corr	9.860	23.954	-14.094
100	A97_Biased	9.626	20.036	-10.410
100	A99_Biased	10.864	20.986	-10.122
100	A100_Biased	11.649	21.312	-9.663
100	A101_Biased	8.108	19.930	-11.822
100	A102_Biased	7.869	20.178	-12.309
100	A104_Biased	9.796	20.916	-11.120
100	A105_Biased	10.310	21.334	-11.024
100	B17_Biased	9.176	20.794	-11.618
100	B18_Biased	11.649	21.176	-9.527
100	B19_Biased	9.204	20.764	-11.560
100	B20_Biased	8.955	19.493	-10.538
100	B21_Biased	9.145	20.484	-11.339
100	B24_Biased	9.297	19.038	-9.741
100	B25_Biased	10.092	18.696	-8.604
100	B26_Biased	11.495	18.461	-6.966
100	C16_Biased	6.723	19.743	-13.020
100	C17_Biased	7.620	20.573	-12.953
100	C18_Biased	6.949	20.502	-13.553
100	C19_Biased	8.670	20.806	-12.136
100	C25_Biased	9.070	19.292	-10.222
100	C26_Biased	7.798	21.840	-14.042
100	C31_Biased	6.813	19.059	-12.246
100	A107_Unbiased	10.555	20.538	-9.983
100	A108_Unbiased	10.776	20.773	-9.997
100	A109_Unbiased	11.855	20.641	-8.786
100	A110_Unbiased	9.368	10.477	-1.109
100	A111_Unbiased	9.186	20.558	-11.372
100	A112_Unbiased	5.703	21.264	-15.561
100	A113_Unbiased	8.529	19.985	-11.456
100	B27_Unbiased	10.531	19.104	-8.573
100	B29_Unbiased	8.114	18.150	-10.036
100	B30_Unbiased	10.445	19.002	-8.557
100	B31_Unbiased	8.525	18.805	-10.280
100	B32_Unbiased	15.213	18.502	-3.289
100	B33_Unbiased	10.523	18.552	-8.029
100	B34_Unbiased	16.024	19.090	-3.066
100	B35_Unbiased	10.493	19.071	-8.578
100	C32_Unbiased	8.299	19.971	-11.672
100	C33_Unbiased	7.708	18.422	-10.714
100	C34_Unbiased	7.827	19.040	-11.213
100	C35_Unbiased	8.454	19.385	-10.931
100	C36_Unbiased	5.865	20.061	-14.196
100	C37_Unbiased	7.023	20.668	-13.645
100	C38_Unbiased	7.770	19.948	-12.178
	Max	16.024	23.954	2.697
	Average	9.865	15.211	-5.846
	Min	5.703	6.565	-15.561
	Std Dev	2.033	5.286	5.453

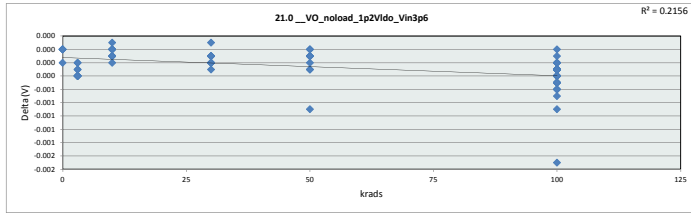


20.34_VO_LoadReqsnk1A_2p5k						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	9.860	6.565	7.175	7.363	13.649	10.477
Average	15.352	8.206	9.023	8.854	14.880	19.714
Max	23.954	11.225	10.869	9.793	16.234	21.840
UL	200.000	200.000	200.000	200.000	200.000	200.000

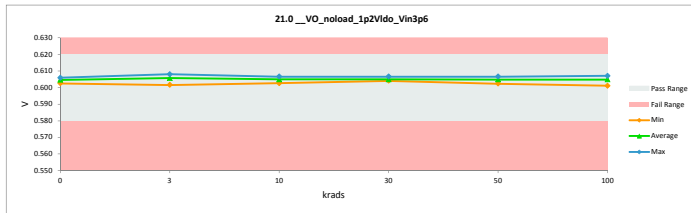


TID 100krad LDR Report
TPS7H3301-SP

21.0_VO_noload_1p2VIdo_Vin3				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.58	0.58		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.606	0.606	0.000
3	A79_Biased	0.608	0.608	0.000
3	A80_Biased	0.606	0.606	0.000
3	B1_Biased	0.606	0.606	0.000
3	B2_Biased	0.601	0.602	0.000
3	C1_Biased	0.604	0.605	0.000
3	A82_Unbiased	0.606	0.606	0.000
3	A83_Unbiased	0.607	0.607	0.000
3	B4_Unbiased	0.604	0.605	0.000
3	B5_Unbiased	0.605	0.605	0.000
3	C2_Unbiased	0.606	0.607	0.000
10	A85_Biased	0.603	0.603	0.000
10	A86_Biased	0.605	0.605	0.000
10	B6_Biased	0.606	0.606	0.000
10	C3_Biased	0.605	0.605	0.000
10	C4_Biased	0.606	0.606	0.000
10	A87_Unbiased	0.604	0.604	0.000
10	A88_Unbiased	0.607	0.607	0.000
10	B7_Unbiased	0.604	0.604	0.000
10	C5_Unbiased	0.606	0.606	0.000
10	C6_Unbiased	0.603	0.603	0.000
0	106_Corr	0.605	0.605	0.000
30	A89_Biased	0.604	0.604	0.000
30	B8_Biased	0.606	0.607	0.000
30	B9_Biased	0.604	0.604	0.000
30	C7_Biased	0.605	0.605	0.000
30	C9_Biased	0.604	0.604	0.000
30	A90_Unbiased	0.606	0.606	0.000
30	B10_Unbiased	0.604	0.604	0.000
30	B11_Unbiased	0.605	0.605	0.000
30	C11_Unbiased	0.605	0.605	0.000
30	C12_Unbiased	0.604	0.605	0.000
0	106_Corr	0.605	0.605	0.000
0	15B_Corr	0.603	0.603	0.000
50	A92_Biased	0.606	0.606	0.000
50	A93_Biased	0.606	0.606	0.000
50	B12_Biased	0.603	0.603	0.000
50	B13_Biased	0.604	0.604	0.000
50	C14_Biased	0.605	0.605	0.000
50	A95_Unbiased	0.602	0.602	0.000
50	A96_Unbiased	0.605	0.605	0.000
50	B15_Unbiased	0.606	0.606	0.000
50	B16_Unbiased	0.604	0.604	0.000
50	C15_Unbiased	0.606	0.607	-0.001
0	106_Corr	0.605	0.605	0.000
100	A97_Biased	0.604	0.605	0.000
100	A99_Biased	0.605	0.605	0.000
100	A100_Biased	0.602	0.603	-0.001
100	A101_Biased	0.605	0.605	0.000
100	A102_Biased	0.606	0.606	0.000
100	A104_Biased	0.605	0.605	-0.001
100	A105_Biased	0.603	0.603	0.000
100	B17_Biased	0.605	0.605	0.000
100	B18_Biased	0.601	0.601	0.000
100	B19_Biased	0.603	0.603	0.000
100	B20_Biased	0.605	0.606	-0.001
100	B21_Biased	0.605	0.605	0.000
100	B24_Biased	0.603	0.603	0.000
100	B25_Biased	0.604	0.604	0.000
100	B26_Biased	0.602	0.602	0.000
100	C16_Biased	0.606	0.606	-0.001
100	C17_Biased	0.605	0.605	0.000
100	C18_Biased	0.606	0.607	-0.001
100	C19_Biased	0.605	0.605	0.000
100	C25_Biased	0.604	0.605	-0.001
100	C26_Biased	0.605	0.605	0.000
100	C31_Biased	0.607	0.607	0.000
100	A107_Unbiased	0.605	0.606	0.000
100	A108_Unbiased	0.605	0.606	-0.001
100	A109_Unbiased	0.606	0.606	0.000
100	A110_Unbiased	0.606	0.606	0.000
100	A111_Unbiased	0.605	0.605	0.000
100	A112_Unbiased	0.606	0.606	0.000
100	A113_Unbiased	0.606	0.606	0.000
100	B27_Unbiased	0.603	0.604	-0.002
100	B29_Unbiased	0.605	0.605	0.000
100	B30_Unbiased	0.604	0.604	0.000
100	B31_Unbiased	0.605	0.605	0.000
100	B32_Unbiased	0.605	0.605	0.000
100	B33_Unbiased	0.603	0.604	-0.001
100	B34_Unbiased	0.603	0.603	0.000
100	B35_Unbiased	0.603	0.603	0.000
100	C32_Unbiased	0.604	0.604	0.000
100	C33_Unbiased	0.605	0.605	0.000
100	C34_Unbiased	0.604	0.605	0.000
100	C35_Unbiased	0.604	0.604	0.000
100	C36_Unbiased	0.606	0.606	0.000
100	C37_Unbiased	0.603	0.604	-0.001
100	C38_Unbiased	0.605	0.605	0.000
	Max	0.608	0.608	0.000
	Average	0.605	0.605	0.000
	Min	0.601	0.601	-0.002
	Std Dev	0.001	0.001	0.000

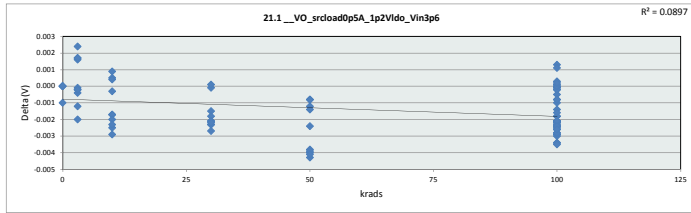


21.0_VO_noload_1p2VIdo_Vi						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.62	V				
Min Limit	0.58	V				
Krads	LL	3	10	30	50	100
LL	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.603	0.602	0.603	0.604	0.602	0.601
Average	0.605	0.606	0.605	0.605	0.605	0.605
Max	0.606	0.608	0.607	0.607	0.607	0.607
UL	0.620	0.620	0.620	0.620	0.620	0.620

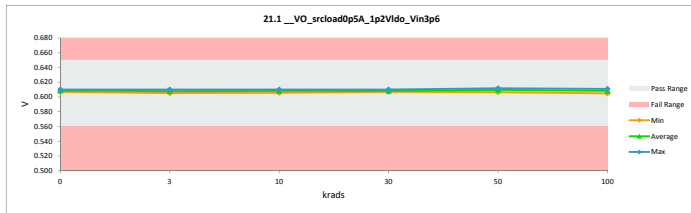


TID 100krad LDR Report
TPS7H3301-SP

21.1_VO_srloadOp5A_1p2VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.65	0.65		
Min Limit	0.56	0.56		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.610	0.610	0.000
3	A79_Biased	0.612	0.610	0.002
3	A80_Biased	0.610	0.607	0.002
3	B1_Biased	0.608	0.609	-0.001
3	B2_Biased	0.603	0.605	-0.002
3	C1_Biased	0.606	0.606	0.000
3	A82_Unbiased	0.609	0.608	0.002
3	A83_Unbiased	0.611	0.609	0.002
3	B4_Unbiased	0.607	0.607	0.000
3	B5_Unbiased	0.607	0.607	0.000
3	C2_Unbiased	0.608	0.608	0.000
10	A85_Biased	0.607	0.606	0.001
10	A86_Biased	0.609	0.608	0.001
10	B6_Biased	0.608	0.610	-0.002
10	C3_Biased	0.606	0.609	-0.002
10	C4_Biased	0.608	0.609	-0.002
10	A87_Unbiased	0.607	0.607	0.000
10	A88_Unbiased	0.610	0.610	0.000
10	B7_Unbiased	0.606	0.608	-0.002
10	C5_Unbiased	0.607	0.610	-0.002
10	C6_Unbiased	0.604	0.607	-0.003
0	106_Corr	0.608	0.608	0.000
30	A89_Biased	0.607	0.607	0.000
30	B8_Biased	0.609	0.610	-0.002
30	B9_Biased	0.605	0.608	-0.002
30	C7_Biased	0.606	0.608	-0.002
30	C9_Biased	0.605	0.608	-0.002
30	A90_Unbiased	0.609	0.609	0.000
30	B10_Unbiased	0.605	0.607	-0.003
30	B11_Unbiased	0.607	0.609	-0.002
30	C11_Unbiased	0.607	0.609	-0.002
30	C12_Unbiased	0.606	0.608	-0.002
0	106_Corr	0.609	0.609	0.000
0	15B_Corr	0.607	0.607	0.000
50	A92_Biased	0.609	0.611	-0.001
50	A93_Biased	0.609	0.610	-0.001
50	B12_Biased	0.605	0.609	-0.004
50	B13_Biased	0.606	0.609	-0.004
50	C14_Biased	0.606	0.610	-0.004
50	A95_Unbiased	0.607	0.607	-0.001
50	A96_Unbiased	0.609	0.610	-0.001
50	B15_Unbiased	0.607	0.610	-0.002
50	B16_Unbiased	0.604	0.609	-0.004
50	C15_Unbiased	0.608	0.612	-0.004
0	106_Corr	0.608	0.609	-0.001
100	A97_Biased	0.608	0.608	0.000
100	A99_Biased	0.609	0.609	0.000
100	A100_Biased	0.606	0.606	0.000
100	A101_Biased	0.609	0.609	-0.001
100	A102_Biased	0.609	0.609	0.000
100	A104_Biased	0.608	0.610	-0.001
100	A105_Biased	0.606	0.607	0.000
100	B17_Biased	0.607	0.609	-0.002
100	B18_Biased	0.602	0.605	-0.003
100	B19_Biased	0.604	0.607	-0.003
100	B20_Biased	0.607	0.609	-0.002
100	B21_Biased	0.606	0.609	-0.002
100	B24_Biased	0.605	0.607	-0.003
100	B25_Biased	0.605	0.608	-0.002
100	B26_Biased	0.603	0.605	-0.002
100	C16_Biased	0.608	0.610	-0.002
100	C17_Biased	0.606	0.609	-0.003
100	C18_Biased	0.607	0.610	-0.003
100	C19_Biased	0.606	0.609	-0.002
100	C25_Biased	0.606	0.608	-0.002
100	C26_Biased	0.606	0.609	-0.003
100	C31_Biased	0.609	0.611	-0.002
100	A107_Unbiased	0.609	0.609	0.000
100	A108_Unbiased	0.609	0.609	0.000
100	A109_Unbiased	0.609	0.609	0.000
100	A110_Unbiased	0.609	0.609	0.000
100	A111_Unbiased	0.609	0.609	0.000
100	A112_Unbiased	0.609	0.610	-0.001
100	A113_Unbiased	0.609	0.610	-0.001
100	B27_Unbiased	0.604	0.606	-0.002
100	B29_Unbiased	0.607	0.608	-0.002
100	B30_Unbiased	0.605	0.607	-0.002
100	B31_Unbiased	0.606	0.608	-0.002
100	B32_Unbiased	0.610	0.608	0.001
100	B33_Unbiased	0.605	0.607	-0.002
100	B34_Unbiased	0.608	0.607	0.001
100	B35_Unbiased	0.604	0.606	-0.002
100	C32_Unbiased	0.604	0.607	-0.003
100	C33_Unbiased	0.607	0.608	-0.002
100	C34_Unbiased	0.605	0.608	-0.003
100	C35_Unbiased	0.605	0.608	-0.003
100	C36_Unbiased	0.608	0.610	-0.002
100	C37_Unbiased	0.604	0.608	-0.004
100	C38_Unbiased	0.606	0.609	-0.003
	Max	0.612	0.612	0.002
	Average	0.607	0.608	-0.001
	Min	0.602	0.605	-0.004
	Std Dev	0.002	0.001	0.001

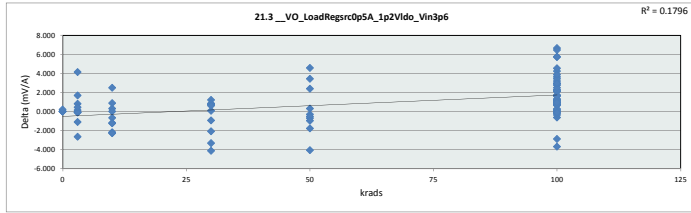


21.1_VO_srloadOp5A_1p2VIdc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.65	V				
Min Limit	0.56	V				
krads	0	3	10	30	50	100
LL	0.560	0.560	0.560	0.560	0.560	0.560
Min	0.607	0.605	0.606	0.607	0.607	0.605
Average	0.609	0.608	0.608	0.608	0.610	0.608
Max	0.610	0.610	0.610	0.610	0.612	0.611
UL	0.650	0.650	0.650	0.650	0.650	0.650

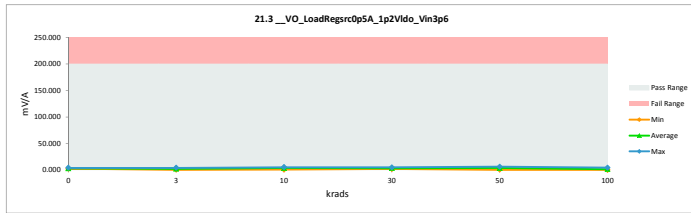


TID 100krad LDR Report
TPS7H3301-SP

21.3_VO_LoadRegsrcOp5A_1p2				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.882	2.882	0.000
3	A79_Biased	4.712	0.557	4.155
3	A80_Biased	2.828	3.937	-1.109
3	B1_Biased	0.616	3.270	-2.654
3	B2_Biased	3.884	2.174	1.710
3	C1_Biased	3.800	2.967	0.833
3	A82_Unbiased	2.375	2.239	0.136
3	A83_Unbiased	2.576	2.676	-0.100
3	B4_Unbiased	0.183	0.242	-0.059
3	B5_Unbiased	1.157	1.245	-0.088
3	C2_Unbiased	1.946	1.497	0.449
10	A85_Biased	1.076	0.755	0.321
10	A86_Biased	2.930	3.402	-0.472
10	B6_Biased	1.295	3.482	-2.187
10	C3_Biased	4.998	2.486	2.512
10	C4_Biased	1.995	3.177	-1.182
10	A87_Unbiased	3.865	5.107	-1.242
10	A88_Unbiased	3.579	2.703	0.876
10	B7_Unbiased	2.058	4.298	-2.240
10	C5_Unbiased	2.628	4.906	-2.278
10	C6_Unbiased	4.892	4.876	0.016
0	106_Corr	3.205	0.000	3.205
30	A89_Biased	2.582	1.836	0.746
30	B8_Biased	0.526	4.642	-4.116
30	B9_Biased	3.027	2.952	0.075
30	C7_Biased	2.390	4.451	-2.061
30	C9_Biased	4.178	2.967	1.211
30	A90_Unbiased	2.504	1.735	0.769
30	B10_Unbiased	4.488	3.628	0.860
30	B11_Unbiased	2.779	2.162	0.617
30	C11_Unbiased	1.455	4.757	-3.302
30	C12_Unbiased	2.640	3.589	-0.929
0	106_Corr	3.920	3.920	0.000
0	15B_Corr	2.328	2.328	0.000
50	A92_Biased	3.884	4.588	-0.704
50	A93_Biased	4.217	4.507	-0.290
50	B12_Biased	5.736	3.336	2.400
50	B13_Biased	2.087	6.132	-4.045
50	C14_Biased	4.173	4.682	-0.509
50	A95_Unbiased	1.257	0.315	0.942
50	A96_Unbiased	3.524	4.499	-0.975
50	B15_Unbiased	3.913	0.474	3.439
50	B16_Unbiased	6.574	1.981	4.593
50	C15_Unbiased	2.999	4.765	-1.766
0	106_Corr	3.205	0.000	3.205
100	A97_Biased	3.363	1.225	2.138
100	A99_Biased	2.252	0.539	1.713
100	A100_Biased	3.376	1.689	1.687
100	A101_Biased	2.581	2.617	-0.036
100	A102_Biased	3.535	0.336	3.199
100	A104_Biased	2.423	3.058	-0.635
100	A105_Biased	2.135	0.824	1.311
100	B17_Biased	2.460	1.669	0.791
100	B18_Biased	7.021	0.350	6.671
100	B19_Biased	4.638	0.992	3.646
100	B20_Biased	2.605	2.955	-0.350
100	B21_Biased	6.018	0.280	5.738
100	B24_Biased	2.563	2.375	0.188
100	B25_Biased	3.365	2.456	0.909
100	B26_Biased	3.625	1.512	2.113
100	C16_Biased	3.177	2.032	1.145
100	C17_Biased	4.615	1.723	2.892
100	C18_Biased	4.408	1.652	2.756
100	C19_Biased	2.288	2.221	0.067
100	C25_Biased	2.378	2.106	0.272
100	C26_Biased	6.008	0.236	5.772
100	C31_Biased	0.995	3.881	-2.886
100	A107_Unbiased	4.390	3.134	1.256
100	A108_Unbiased	2.899	0.607	2.292
100	A109_Unbiased	2.657	1.657	1.000
100	A110_Unbiased	1.490	0.395	1.095
100	A111_Unbiased	3.607	0.331	3.276
100	A112_Unbiased	0.853	0.066	0.787
100	A113_Unbiased	4.030	3.369	0.661
100	B27_Unbiased	4.364	1.380	2.984
100	B29_Unbiased	2.676	1.955	0.721
100	B30_Unbiased	4.984	0.733	4.251
100	B31_Unbiased	4.048	0.616	3.432
100	B32_Unbiased	3.730	1.492	2.238
100	B33_Unbiased	2.531	2.722	-0.191
100	B34_Unbiased	0.601	0.078	0.523
100	B35_Unbiased	6.506	0.050	6.456
100	C32_Unbiased	5.058	1.183	3.875
100	C33_Unbiased	1.987	1.026	0.961
100	C34_Unbiased	5.334	0.782	4.552
100	C35_Unbiased	4.152	1.636	2.516
100	C36_Unbiased	0.683	4.376	-3.693
100	C37_Unbiased	5.308	2.351	2.957
100	C38_Unbiased	3.430	1.812	1.618
	Max	7.021	6.132	0.889
	Average	3.303	2.369	0.934
	Min	0.183	0.050	-4.116
	Std Dev	1.466	1.463	2.224

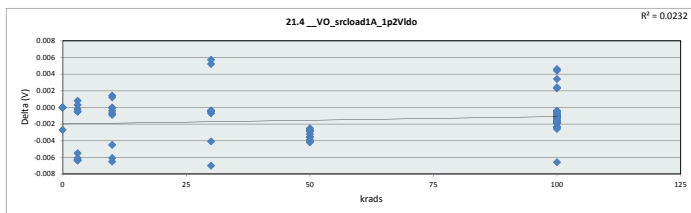


21.3_VO_LoadRegsrcOp5A_1						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	LL	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.328	0.242	0.755	1.735	0.474	0.050
Average	3.068	2.080	3.539	3.272	3.591	1.606
Max	3.920	3.937	5.107	4.757	6.132	4.376
UL	200.000	200.000	200.000	200.000	200.000	200.000

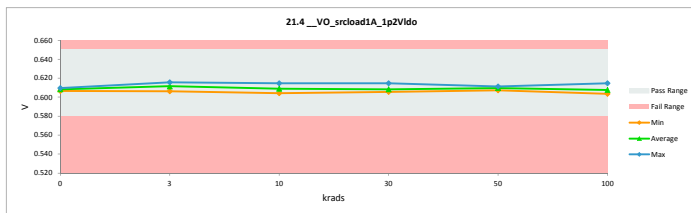


TID 100krad LDR Report
TPS7H3301-SP

21.4_VO_srcload1A_1p2VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.65	0.65		
Min Limit	0.58	0.58		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.610	0.610	0.000
3	A79_Biased	0.609	0.616	-0.006
3	A80_Biased	0.608	0.608	0.001
3	B1_Biased	0.608	0.614	-0.006
3	B2_Biased	0.603	0.609	-0.006
3	C1_Biased	0.606	0.606	0.000
3	A82_Unbiased	0.608	0.614	-0.005
3	A83_Unbiased	0.609	0.609	0.000
3	B4_Unbiased	0.612	0.613	-0.001
3	B5_Unbiased	0.612	0.613	0.000
3	C2_Unbiased	0.608	0.614	-0.006
10	A85_Biased	0.605	0.604	0.001
10	A86_Biased	0.608	0.607	0.001
10	B6_Biased	0.614	0.614	-0.001
10	C3_Biased	0.606	0.607	-0.001
10	C4_Biased	0.607	0.608	0.000
10	A87_Unbiased	0.605	0.611	-0.006
10	A88_Unbiased	0.609	0.614	-0.004
10	B7_Unbiased	0.606	0.613	-0.007
10	C5_Unbiased	0.608	0.608	0.000
10	C6_Unbiased	0.605	0.605	0.000
0	106_Corr	0.607	0.607	0.000
30	A89_Biased	0.605	0.606	0.000
30	B8_Biased	0.608	0.615	-0.007
30	B9_Biased	0.605	0.606	-0.001
30	C7_Biased	0.612	0.607	0.005
30	C9_Biased	0.606	0.606	0.000
30	A90_Unbiased	0.607	0.608	0.000
30	B10_Unbiased	0.612	0.606	0.006
30	B11_Unbiased	0.607	0.611	-0.004
30	C11_Unbiased	0.607	0.607	-0.001
30	C12_Unbiased	0.612	0.613	0.000
0	106_Corr	0.609	0.609	0.000
0	15B_Corr	0.607	0.607	0.000
50	A92_Biased	0.608	0.611	-0.003
50	A93_Biased	0.607	0.610	-0.002
50	B12_Biased	0.605	0.609	-0.004
50	B13_Biased	0.605	0.609	-0.004
50	C14_Biased	0.606	0.610	-0.003
50	A95_Unbiased	0.604	0.607	-0.003
50	A96_Unbiased	0.607	0.610	-0.003
50	B15_Unbiased	0.607	0.610	-0.003
50	B16_Unbiased	0.605	0.609	-0.004
50	C15_Unbiased	0.607	0.611	-0.004
0	106_Corr	0.607	0.609	-0.003
100	A97_Biased	0.605	0.607	-0.001
100	A99_Biased	0.607	0.608	-0.001
100	A100_Biased	0.604	0.606	-0.001
100	A101_Biased	0.607	0.608	-0.002
100	A102_Biased	0.607	0.609	-0.002
100	A104_Biased	0.612	0.609	0.003
100	A105_Biased	0.605	0.606	-0.002
100	B17_Biased	0.606	0.608	-0.002
100	B18_Biased	0.602	0.604	-0.003
100	B19_Biased	0.605	0.607	-0.002
100	B20_Biased	0.613	0.608	0.005
100	B21_Biased	0.606	0.608	-0.002
100	B24_Biased	0.604	0.606	-0.002
100	B25_Biased	0.605	0.606	-0.001
100	B26_Biased	0.603	0.604	-0.001
100	C16_Biased	0.607	0.609	-0.002
100	C17_Biased	0.607	0.608	-0.002
100	C18_Biased	0.607	0.610	-0.002
100	C19_Biased	0.606	0.608	-0.002
100	C25_Biased	0.606	0.607	-0.001
100	C26_Biased	0.607	0.609	-0.002
100	C31_Biased	0.609	0.610	-0.001
100	A107_Unbiased	0.608	0.609	-0.001
100	A108_Unbiased	0.608	0.608	-0.001
100	A109_Unbiased	0.608	0.614	-0.007
100	A110_Unbiased	0.607	0.608	-0.001
100	A111_Unbiased	0.607	0.608	-0.001
100	A112_Unbiased	0.608	0.609	-0.002
100	A113_Unbiased	0.613	0.609	0.004
100	B27_Unbiased	0.604	0.605	-0.001
100	B29_Unbiased	0.606	0.607	-0.001
100	B30_Unbiased	0.606	0.606	0.000
100	B31_Unbiased	0.606	0.607	-0.001
100	B32_Unbiased	0.610	0.607	0.002
100	B33_Unbiased	0.605	0.606	-0.001
100	B34_Unbiased	0.608	0.606	0.002
100	B35_Unbiased	0.604	0.605	0.000
100	C32_Unbiased	0.605	0.607	-0.002
100	C33_Unbiased	0.606	0.608	-0.001
100	C34_Unbiased	0.606	0.607	-0.001
100	C35_Unbiased	0.606	0.607	0.000
100	C36_Unbiased	0.608	0.609	-0.002
100	C37_Unbiased	0.605	0.607	-0.002
100	C38_Unbiased	0.606	0.608	-0.002
	Max	0.614	0.616	0.006
	Average	0.607	0.609	-0.001
	Min	0.602	0.604	-0.007
	Std Dev	0.002	0.003	0.002

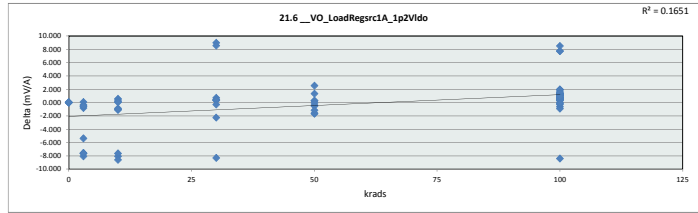


21.4_VO_srcload1A_1p2VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.65	V				
Min Limit	0.58	V				
krads	0	3	10	30	50	100
LL	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.607	0.606	0.604	0.606	0.607	0.604
Average	0.608	0.611	0.609	0.608	0.610	0.608
Max	0.610	0.616	0.615	0.615	0.611	0.615
UL	0.650	0.650	0.650	0.650	0.650	0.650

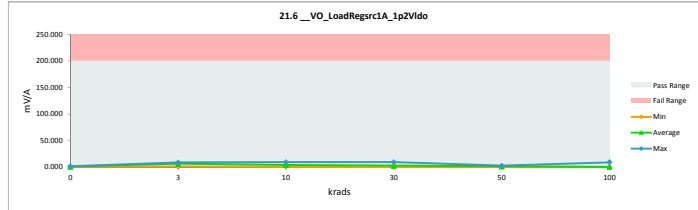


TID 100krad LDR Report
TPS7H3301-SP

21.6_VO_LoadRegrc1A_1p2V1				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.531	0.531	0.000
3	A79_Biased	1.068	9.140	-8.072
3	A80_Biased	0.923	1.767	-0.844
3	B1_Biased	1.321	8.982	-7.661
3	B2_Biased	2.568	7.944	-5.376
3	C1_Biased	1.469	1.372	0.097
3	A82_Unbiased	0.953	8.577	-7.624
3	A83_Unbiased	0.933	1.265	-0.332
3	B4_Unbiased	7.761	8.317	-0.556
3	B5_Unbiased	8.571	9.125	-0.554
3	C2_Unbiased	1.139	8.729	-7.590
10	A85_Biased	1.340	2.345	-1.005
10	A86_Biased	0.458	1.315	-0.857
10	B6_Biased	8.229	9.344	-1.115
10	C3_Biased	2.079	1.504	0.575
10	C4_Biased	1.637	1.283	0.354
10	A87_Unbiased	1.093	9.197	-8.104
10	A88_Unbiased	0.676	8.310	-7.634
10	B7_Unbiased	1.004	9.611	-8.607
10	C5_Unbiased	1.073	0.959	0.114
10	C6_Unbiased	0.960	0.904	0.056
0	106_Corr	1.371	1.371	0.000
30	A89_Biased	1.765	1.410	0.355
30	B8_Biased	1.330	9.635	-8.305
30	B9_Biased	1.523	0.823	0.700
30	C7_Biased	9.627	0.670	8.957
30	C9_Biased	1.701	1.291	0.410
30	A90_Unbiased	2.183	1.871	0.312
30	B10_Unbiased	9.273	0.742	8.531
30	B11_Unbiased	1.990	4.265	-2.275
30	C11_Unbiased	0.692	0.389	0.303
30	C12_Unbiased	8.851	9.160	-0.309
0	106_Corr	1.805	1.805	0.000
0	15B_Corr	1.277	1.277	0.000
50	A92_Biased	0.733	2.408	-1.675
50	A93_Biased	0.451	1.645	-0.994
50	B12_Biased	2.061	1.794	0.267
50	B13_Biased	1.476	3.055	-1.579
50	C14_Biased	1.643	2.177	-0.534
50	A95_Unbiased	1.697	1.402	0.295
50	A96_Unbiased	1.102	2.287	-1.185
50	B15_Unbiased	2.743	0.210	2.533
50	B16_Unbiased	2.755	1.422	1.333
50	C15_Unbiased	1.821	1.874	-0.053
0	106_Corr	1.371	1.371	0.000
100	A97_Biased	1.754	0.761	0.993
100	A99_Biased	2.133	1.149	0.984
100	A100_Biased	0.842	0.227	0.615
100	A101_Biased	1.753	0.431	1.322
100	A102_Biased	1.687	0.477	1.210
100	A104_Biased	8.062	0.350	7.712
100	A105_Biased	1.944	0.564	1.380
100	B17_Biased	1.734	0.475	1.259
100	B18_Biased	3.517	1.574	1.943
100	B19_Biased	1.196	0.030	1.166
100	B20_Biased	8.215	0.477	7.738
100	B21_Biased	2.673	1.466	1.207
100	B24_Biased	1.560	0.414	1.146
100	B25_Biased	2.137	1.426	0.711
100	B26_Biased	1.881	1.418	0.463
100	C16_Biased	1.876	0.182	1.694
100	C17_Biased	1.636	0.325	1.311
100	C18_Biased	1.524	0.409	1.115
100	C19_Biased	1.310	0.719	0.591
100	C25_Biased	1.587	0.835	0.752
100	C26_Biased	2.156	0.190	1.966
100	C31_Biased	0.876	0.086	0.790
100	A107_Unbiased	0.131	0.775	-0.644
100	A108_Unbiased	0.596	0.329	0.267
100	A109_Unbiased	1.043	9.471	-8.428
100	A110_Unbiased	1.832	1.160	0.672
100	A111_Unbiased	1.665	0.940	0.725
100	A112_Unbiased	2.037	0.772	1.265
100	A113_Unbiased	8.692	0.197	8.495
100	B27_Unbiased	2.316	1.886	0.430
100	B29_Unbiased	1.915	1.507	0.408
100	B30_Unbiased	2.463	1.962	0.501
100	B31_Unbiased	1.634	0.963	0.671
100	B32_Unbiased	1.816	0.789	1.027
100	B33_Unbiased	1.298	0.768	0.530
100	B34_Unbiased	0.972	1.888	-0.916
100	B35_Unbiased	2.308	2.002	0.306
100	C32_Unbiased	1.485	0.033	1.452
100	C33_Unbiased	1.401	0.675	0.726
100	C34_Unbiased	1.979	1.273	0.706
100	C35_Unbiased	0.275	0.574	-0.299
100	C36_Unbiased	0.702	0.786	-0.084
100	C37_Unbiased	0.830	0.949	-0.119
100	C38_Unbiased	1.566	0.691	0.875
	Max	9.627	9.635	8.957
	Average	2.234	2.349	-0.115
	Min	0.131	0.030	-8.607
	Std Dev	2.228	2.964	3.398

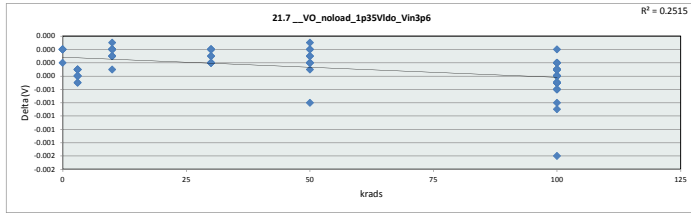


21.6_VO_LoadRegrc1A_1p2					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	200	mV/A			
Min Limit	0	mV/A			
krads	0	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	0.531	1.265	0.904	0.303	0.030
Average	1.255	6.522	4.477	3.017	1.827
Max	1.805	9.140	9.611	9.635	9.471
UL	200.000	200.000	200.000	200.000	200.000

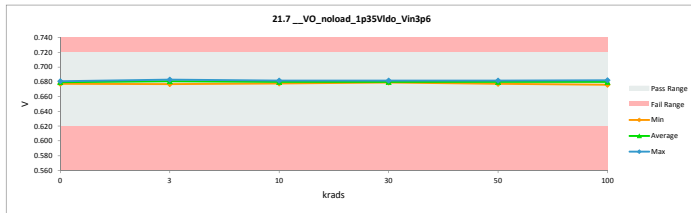


TID 100krad LDR Report
TPS7H3301-SP

21.7_VO_noload_1p35Vido_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.72	0.72		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.681	0.681	0.000
3	A79_Biased	0.683	0.683	0.000
3	A80_Biased	0.681	0.681	-0.001
3	B1_Biased	0.681	0.681	0.000
3	B2_Biased	0.677	0.677	0.000
3	C1_Biased	0.679	0.680	0.000
3	A82_Unbiased	0.681	0.681	0.000
3	A83_Unbiased	0.682	0.682	0.000
3	B4_Unbiased	0.679	0.680	0.000
3	B5_Unbiased	0.680	0.680	0.000
3	C2_Unbiased	0.681	0.682	0.000
10	A85_Biased	0.678	0.678	0.000
10	A86_Biased	0.680	0.680	0.000
10	B6_Biased	0.682	0.682	0.000
10	C3_Biased	0.680	0.680	0.000
10	C4_Biased	0.681	0.681	0.000
10	A87_Unbiased	0.679	0.679	0.000
10	A88_Unbiased	0.682	0.682	0.000
10	B7_Unbiased	0.679	0.679	0.000
10	C5_Unbiased	0.681	0.681	0.000
10	C6_Unbiased	0.678	0.678	0.000
0	106_Corr	0.680	0.680	0.000
30	A89_Biased	0.679	0.679	0.000
30	B8_Biased	0.682	0.682	0.000
30	B9_Biased	0.679	0.679	0.000
30	C7_Biased	0.680	0.680	0.000
30	C9_Biased	0.679	0.679	0.000
30	A90_Unbiased	0.681	0.681	0.000
30	B10_Unbiased	0.679	0.679	0.000
30	B11_Unbiased	0.680	0.680	0.000
30	C11_Unbiased	0.680	0.680	0.000
30	C12_Unbiased	0.680	0.680	0.000
0	106_Corr	0.680	0.680	0.000
0	15B_Corr	0.678	0.678	0.000
50	A92_Biased	0.681	0.681	0.000
50	A93_Biased	0.681	0.681	0.000
50	B12_Biased	0.678	0.678	0.000
50	B13_Biased	0.679	0.679	0.000
50	C14_Biased	0.680	0.680	0.000
50	A95_Unbiased	0.677	0.677	0.000
50	A96_Unbiased	0.680	0.680	0.000
50	B15_Unbiased	0.681	0.681	0.000
50	B16_Unbiased	0.679	0.678	0.000
50	C15_Unbiased	0.681	0.682	-0.001
0	106_Corr	0.680	0.680	0.000
100	A97_Biased	0.679	0.680	0.000
100	A99_Biased	0.680	0.680	0.000
100	A100_Biased	0.677	0.678	-0.001
100	A101_Biased	0.680	0.680	0.000
100	A102_Biased	0.681	0.681	-0.001
100	A104_Biased	0.680	0.680	0.000
100	A105_Biased	0.678	0.678	0.000
100	B17_Biased	0.680	0.680	0.000
100	B18_Biased	0.676	0.676	0.000
100	B19_Biased	0.678	0.678	0.000
100	B20_Biased	0.680	0.681	-0.001
100	B21_Biased	0.680	0.680	0.000
100	B24_Biased	0.678	0.678	0.000
100	B25_Biased	0.679	0.679	0.000
100	B26_Biased	0.677	0.677	0.000
100	C16_Biased	0.681	0.682	-0.001
100	C17_Biased	0.680	0.680	0.000
100	C18_Biased	0.681	0.682	-0.001
100	C19_Biased	0.680	0.680	0.000
100	C25_Biased	0.680	0.680	0.000
100	C26_Biased	0.680	0.680	0.000
100	C31_Biased	0.682	0.682	0.000
100	A107_Unbiased	0.680	0.681	-0.001
100	A108_Unbiased	0.680	0.681	0.000
100	A109_Unbiased	0.681	0.681	0.000
100	A110_Unbiased	0.681	0.681	0.000
100	A111_Unbiased	0.680	0.680	0.000
100	A112_Unbiased	0.681	0.681	0.000
100	A113_Unbiased	0.681	0.681	0.000
100	B27_Unbiased	0.678	0.679	-0.002
100	B29_Unbiased	0.680	0.680	0.000
100	B30_Unbiased	0.679	0.679	0.000
100	B31_Unbiased	0.680	0.680	-0.001
100	B32_Unbiased	0.680	0.680	0.000
100	B33_Unbiased	0.678	0.679	-0.001
100	B34_Unbiased	0.678	0.679	0.000
100	B35_Unbiased	0.678	0.678	0.000
100	C32_Unbiased	0.679	0.679	0.000
100	C33_Unbiased	0.680	0.680	-0.001
100	C34_Unbiased	0.679	0.680	0.000
100	C35_Unbiased	0.678	0.679	0.000
100	C36_Unbiased	0.681	0.681	0.000
100	C37_Unbiased	0.678	0.679	-0.001
100	C38_Unbiased	0.680	0.680	0.000
	Max	0.683	0.683	0.000
	Average	0.680	0.680	0.000
	Min	0.676	0.676	-0.002
	Std Dev	0.001	0.001	0.000

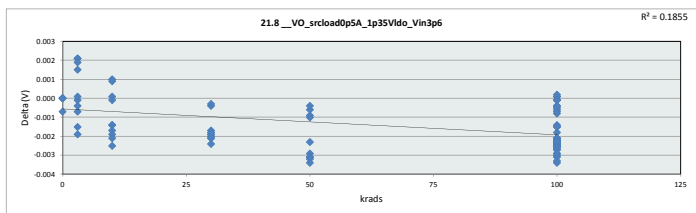


21.7_VO_noload_1p35Vido_Vin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.72					
Min Limit	0.62					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.678	0.677	0.678	0.679	0.677	0.676
Average	0.680	0.681	0.680	0.680	0.680	0.680
Max	0.681	0.683	0.682	0.682	0.682	0.682
UL	0.720	0.720	0.720	0.720	0.720	0.720

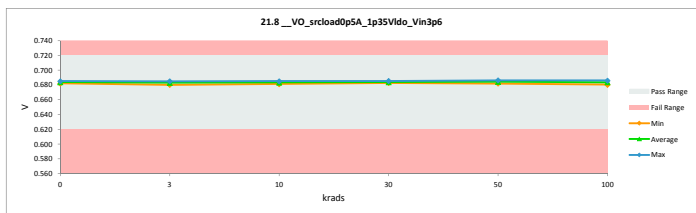


TID 100krad LDR Report
TPS7H3301-SP

21.8_VO_srcload0p5A_1p35VIt				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.72	0.72		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.685	0.685	0.000
3	A79_Biased	0.687	0.685	0.002
3	A80_Biased	0.685	0.683	0.002
3	B1_Biased	0.683	0.685	-0.002
3	B2_Biased	0.678	0.680	-0.002
3	C1_Biased	0.682	0.682	0.000
3	A82_Unbiased	0.685	0.683	0.002
3	A83_Unbiased	0.686	0.684	0.002
3	B4_Unbiased	0.682	0.682	0.000
3	B5_Unbiased	0.682	0.682	0.000
3	C2_Unbiased	0.683	0.684	-0.001
10	A85_Biased	0.682	0.681	0.001
10	A86_Biased	0.684	0.683	0.001
10	B6_Biased	0.684	0.685	-0.001
10	C3_Biased	0.681	0.684	-0.002
10	C4_Biased	0.683	0.685	-0.002
10	A87_Unbiased	0.682	0.682	0.000
10	A88_Unbiased	0.685	0.685	0.000
10	B7_Unbiased	0.682	0.683	-0.001
10	C5_Unbiased	0.683	0.685	-0.002
10	C6_Unbiased	0.680	0.682	-0.002
0	106_Corr	0.684	0.684	0.000
30	A89_Biased	0.683	0.683	0.000
30	B8_Biased	0.684	0.685	-0.002
30	B9_Biased	0.681	0.683	-0.002
30	C7_Biased	0.682	0.684	-0.002
30	C9_Biased	0.681	0.683	-0.002
30	A90_Unbiased	0.685	0.685	0.000
30	B10_Unbiased	0.681	0.683	-0.002
30	B11_Unbiased	0.683	0.684	-0.002
30	C11_Unbiased	0.683	0.684	-0.002
30	C12_Unbiased	0.682	0.684	-0.002
0	106_Corr	0.684	0.684	0.000
0	15B_Corr	0.682	0.682	0.000
50	A92_Biased	0.685	0.686	-0.001
50	A93_Biased	0.684	0.685	-0.001
50	B12_Biased	0.680	0.683	-0.003
50	B13_Biased	0.681	0.684	-0.003
50	C14_Biased	0.682	0.685	-0.003
50	A95_Unbiased	0.682	0.682	0.000
50	A96_Unbiased	0.684	0.685	-0.001
50	B15_Unbiased	0.683	0.685	-0.002
50	B16_Unbiased	0.680	0.683	-0.003
50	C15_Unbiased	0.683	0.686	-0.003
0	106_Corr	0.684	0.684	0.000
100	A97_Biased	0.683	0.683	0.000
100	A99_Biased	0.684	0.684	0.000
100	A100_Biased	0.681	0.681	0.000
100	A101_Biased	0.684	0.684	-0.001
100	A102_Biased	0.684	0.684	0.000
100	A104_Biased	0.683	0.685	-0.001
100	A105_Biased	0.682	0.682	-0.001
100	B17_Biased	0.682	0.684	-0.002
100	B18_Biased	0.677	0.680	-0.003
100	B19_Biased	0.680	0.683	-0.003
100	B20_Biased	0.682	0.684	-0.002
100	B21_Biased	0.682	0.684	-0.002
100	B24_Biased	0.680	0.683	-0.003
100	B25_Biased	0.681	0.683	-0.002
100	B26_Biased	0.678	0.681	-0.002
100	C16_Biased	0.683	0.685	-0.002
100	C17_Biased	0.682	0.684	-0.002
100	C18_Biased	0.683	0.686	-0.003
100	C19_Biased	0.682	0.684	-0.002
100	C25_Biased	0.681	0.684	-0.002
100	C26_Biased	0.682	0.685	-0.003
100	C31_Biased	0.684	0.686	-0.002
100	A107_Unbiased	0.685	0.685	0.000
100	A108_Unbiased	0.684	0.684	0.000
100	A109_Unbiased	0.685	0.684	0.000
100	A110_Unbiased	0.684	0.685	0.000
100	A111_Unbiased	0.684	0.684	0.000
100	A112_Unbiased	0.684	0.685	0.000
100	A113_Unbiased	0.685	0.685	-0.001
100	B27_Unbiased	0.679	0.682	-0.002
100	B29_Unbiased	0.682	0.684	-0.002
100	B30_Unbiased	0.680	0.683	-0.003
100	B31_Unbiased	0.682	0.684	-0.003
100	B32_Unbiased	0.683	0.684	-0.002
100	B33_Unbiased	0.680	0.683	-0.002
100	B34_Unbiased	0.681	0.682	-0.001
100	B35_Unbiased	0.680	0.682	-0.002
100	C32_Unbiased	0.680	0.683	-0.003
100	C33_Unbiased	0.682	0.684	-0.002
100	C34_Unbiased	0.681	0.683	-0.002
100	C35_Unbiased	0.680	0.683	-0.003
100	C36_Unbiased	0.683	0.686	-0.002
100	C37_Unbiased	0.680	0.683	-0.003
100	C38_Unbiased	0.681	0.684	-0.003
	Max	0.687	0.686	0.002
	Average	0.682	0.684	-0.001
	Min	0.677	0.680	-0.003
	Std Dev	0.002	0.001	0.001

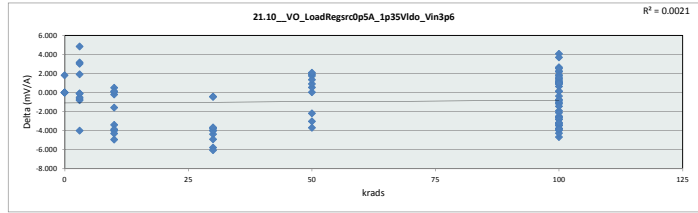


21.8_VO_srcload0p5A_1p35V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.72					
Min Limit	0.62					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.682	0.680	0.681	0.683	0.682	0.681
Average	0.684	0.683	0.684	0.684	0.684	0.684
Max	0.685	0.685	0.685	0.685	0.686	0.686
UL	0.720	0.720	0.720	0.720	0.720	0.720

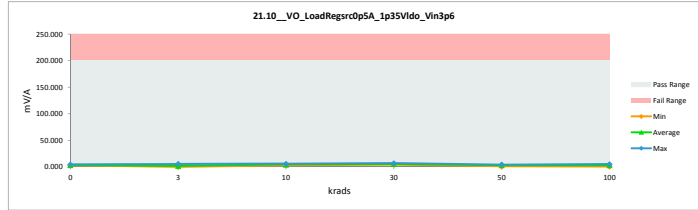


TID 100krad LDR Report
TPS7H3301-SP

21_10_VO_LoadRegrc0p5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.898	2.898	0.000
3	A79_Biased	4.900	0.066	4.834
3	A80_Biased	3.502	1.581	1.921
3	B1_Biased	1.058	5.073	-4.015
3	B2_Biased	2.247	2.916	-0.669
3	C1_Biased	0.473	0.592	-0.119
3	A82_Unbiased	4.292	1.136	3.157
3	A83_Unbiased	4.203	1.176	3.027
3	B4_Unbiased	0.053	0.877	-0.824
3	B5_Unbiased	0.447	0.939	-0.492
3	C2_Unbiased	0.729	0.817	-0.088
10	A85_Biased	3.454	3.394	0.060
10	A86_Biased	4.734	4.233	0.503
10	B6_Biased	0.750	4.139	-3.389
10	C3_Biased	2.560	4.141	-1.581
10	C4_Biased	0.293	4.312	-4.019
10	A87_Unbiased	5.338	5.338	-0.200
10	A88_Unbiased	3.142	2.995	0.147
10	B7_Unbiased	0.535	4.400	-3.865
10	C5_Unbiased	0.626	4.916	-4.290
10	C6_Unbiased	0.680	5.611	-4.951
0	106_Corr	4.364	4.364	0.000
30	A89_Biased	3.986	4.437	-0.451
30	B8_Biased	0.729	4.742	-4.013
30	B9_Biased	0.424	4.807	-4.383
30	C7_Biased	1.027	6.813	-5.786
30	C9_Biased	0.761	4.864	-3.803
30	A90_Unbiased	3.717	4.146	-0.429
30	B10_Unbiased	0.071	6.118	-6.047
30	B11_Unbiased	0.247	4.246	-3.999
30	C11_Unbiased	1.010	5.910	-4.900
30	C12_Unbiased	0.932	4.599	-3.667
0	106_Corr	3.177	3.177	0.000
0	15B_Corr	3.079	3.079	0.000
50	A92_Biased	5.715	3.978	1.737
50	A93_Biased	3.993	3.993	0.000
50	B12_Biased	2.402	1.870	0.532
50	B13_Biased	0.367	4.081	-3.714
50	C14_Biased	1.011	4.025	-3.014
50	A95_Unbiased	4.145	2.216	1.929
50	A96_Unbiased	5.019	4.126	0.893
50	B15_Unbiased	2.799	0.726	2.073
50	B16_Unbiased	2.475	1.141	1.334
50	C15_Unbiased	1.167	3.271	-2.204
0	106_Corr	4.364	4.364	0.000
100	A97_Biased	4.561	3.594	0.967
100	A99_Biased	2.828	1.739	1.089
100	A100_Biased	5.005	2.356	2.649
100	A101_Biased	3.333	2.288	1.045
100	A102_Biased	3.401	1.343	2.258
100	A104_Biased	3.688	3.554	0.134
100	A105_Biased	3.366	2.043	1.323
100	B17_Biased	1.251	1.607	-0.356
100	B18_Biased	4.681	0.629	4.052
100	B19_Biased	1.452	3.375	-1.923
100	B20_Biased	0.430	3.862	-3.432
100	B21_Biased	3.291	1.444	1.847
100	B24_Biased	0.453	3.571	-3.118
100	B25_Biased	0.972	4.241	-3.269
100	B26_Biased	0.310	4.281	-3.971
100	C16_Biased	0.958	3.451	-2.493
100	C17_Biased	1.540	2.626	-1.086
100	C18_Biased	1.202	3.831	-2.629
100	C19_Biased	0.102	3.573	-3.471
100	C25_Biased	1.257	3.371	-2.114
100	C26_Biased	2.844	1.963	0.881
100	C31_Biased	0.168	4.851	-4.683
100	A107_Unbiased	4.168	4.192	2.176
100	A108_Unbiased	4.207	3.039	1.168
100	A109_Unbiased	3.506	2.070	1.436
100	A110_Unbiased	3.606	1.871	1.735
100	A111_Unbiased	3.853	2.322	1.531
100	A112_Unbiased	2.876	0.368	2.508
100	A113_Unbiased	4.676	4.025	0.651
100	B27_Unbiased	2.003	3.182	-1.179
100	B29_Unbiased	0.178	3.956	-3.778
100	B30_Unbiased	3.338	2.958	0.380
100	B31_Unbiased	1.212	3.777	-2.565
100	B32_Unbiased	2.982	3.849	-0.867
100	B33_Unbiased	0.641	4.916	-4.275
100	B34_Unbiased	3.886	1.693	3.493
100	B35_Unbiased	2.467	3.219	-0.752
100	C32_Unbiased	0.937	3.745	-2.808
100	C33_Unbiased	0.613	4.402	-3.789
100	C34_Unbiased	2.320	2.172	0.148
100	C35_Unbiased	0.488	3.803	-3.315
100	C36_Unbiased	1.173	5.018	-3.845
100	C37_Unbiased	1.311	4.488	-3.177
100	C38_Unbiased	1.950	3.408	-1.458
	Max	6.368	6.513	4.834
	Average	2.329	3.259	-0.931
	Min	0.053	0.066	-6.047
	Std Dev	1.684	1.448	2.548

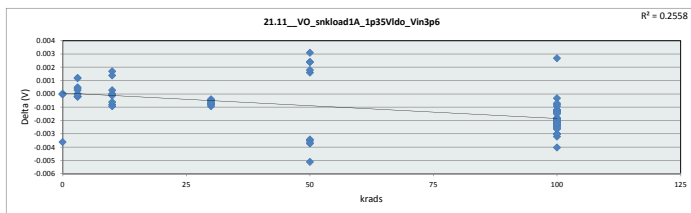


21_10_VO_LoadRegrc0p5A_1p35Vldo_Vln3p6					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	200	mV/A			
Min Limit	0	mV/A			
Krads	LL	Min	Average	Max	UL
0	0.000	0.000	0.000	0.000	0.000
3	2.567	0.066	2.995	4.146	0.726
10	3.217	1.517	4.368	5.038	2.950
30	4.364	5.073	5.611	6.813	4.126
50	200.000	200.000	200.000	200.000	200.000
100	200.000	200.000	200.000	200.000	200.000

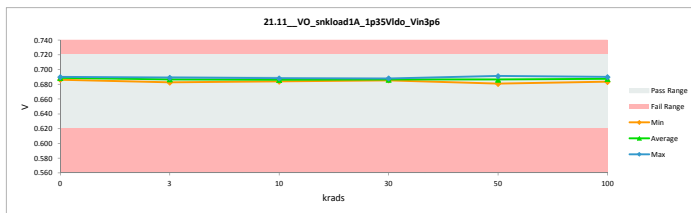


TID 100krad LDR Report
TPS7H3301-SP

21.11_VO_snkload1A_1p35VIdc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.72	0.72		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.690	0.690	0.000
3	A79_Biased	0.689	0.689	0.000
3	A80_Biased	0.688	0.687	0.001
3	B1_Biased	0.687	0.687	0.000
3	B2_Biased	0.683	0.683	0.000
3	C1_Biased	0.686	0.686	0.000
3	A82_Unbiased	0.688	0.687	0.001
3	A83_Unbiased	0.690	0.689	0.000
3	B4_Unbiased	0.686	0.685	0.000
3	B5_Unbiased	0.686	0.686	0.000
3	C2_Unbiased	0.688	0.688	0.000
10	A85_Biased	0.685	0.684	0.001
10	A86_Biased	0.688	0.688	0.002
10	B6_Biased	0.687	0.688	-0.001
10	C3_Biased	0.686	0.687	-0.001
10	C4_Biased	0.687	0.688	-0.001
10	A87_Unbiased	0.685	0.685	0.000
10	A88_Unbiased	0.688	0.687	0.000
10	B7_Unbiased	0.686	0.686	0.000
10	C5_Unbiased	0.687	0.687	0.000
10	C6_Unbiased	0.684	0.685	0.000
0	106_Corr	0.686	0.686	0.000
30	A89_Biased	0.685	0.685	-0.001
30	B8_Biased	0.687	0.688	-0.001
30	B9_Biased	0.685	0.686	-0.001
30	C7_Biased	0.686	0.686	0.000
30	C9_Biased	0.686	0.686	0.000
30	A90_Unbiased	0.687	0.688	0.000
30	B10_Unbiased	0.685	0.686	-0.001
30	B11_Unbiased	0.686	0.687	-0.001
30	C11_Unbiased	0.687	0.687	-0.001
30	C12_Unbiased	0.686	0.687	-0.001
0	106_Corr	0.690	0.690	0.000
0	15B_Corr	0.687	0.687	0.000
50	A92_Biased	0.688	0.691	-0.004
50	A93_Biased	0.687	0.690	-0.003
50	B12_Biased	0.685	0.683	0.002
50	B13_Biased	0.685	0.690	-0.005
50	C14_Biased	0.686	0.683	0.002
50	A95_Unbiased	0.684	0.681	0.003
50	A96_Unbiased	0.687	0.690	-0.004
50	B15_Unbiased	0.687	0.690	-0.004
50	B16_Unbiased	0.684	0.683	0.002
50	C15_Unbiased	0.687	0.685	0.002
0	106_Corr	0.686	0.690	-0.004
100	A97_Biased	0.685	0.687	-0.002
100	A99_Biased	0.686	0.688	-0.002
100	A100_Biased	0.684	0.686	-0.001
100	A101_Biased	0.686	0.689	-0.003
100	A102_Biased	0.687	0.689	-0.002
100	A104_Biased	0.686	0.689	-0.003
100	A105_Biased	0.684	0.686	-0.002
100	B17_Biased	0.686	0.688	-0.002
100	B18_Biased	0.681	0.685	-0.003
100	B19_Biased	0.684	0.687	-0.003
100	B20_Biased	0.686	0.688	-0.002
100	B21_Biased	0.686	0.688	-0.002
100	B24_Biased	0.684	0.686	-0.002
100	B25_Biased	0.685	0.686	-0.001
100	B26_Biased	0.682	0.683	-0.001
100	C16_Biased	0.687	0.689	-0.002
100	C17_Biased	0.686	0.688	-0.002
100	C18_Biased	0.687	0.690	-0.003
100	C19_Biased	0.686	0.689	-0.003
100	C25_Biased	0.685	0.687	-0.002
100	C26_Biased	0.686	0.688	-0.002
100	C31_Biased	0.688	0.690	-0.002
100	A107_Unbiased	0.688	0.689	-0.001
100	A108_Unbiased	0.688	0.689	-0.001
100	A109_Unbiased	0.688	0.688	0.000
100	A110_Unbiased	0.687	0.688	-0.001
100	A111_Unbiased	0.687	0.689	-0.002
100	A112_Unbiased	0.687	0.689	-0.002
100	A113_Unbiased	0.687	0.689	-0.002
100	B27_Unbiased	0.683	0.684	-0.001
100	B29_Unbiased	0.686	0.687	-0.001
100	B30_Unbiased	0.686	0.686	0.000
100	B31_Unbiased	0.686	0.687	-0.002
100	B32_Unbiased	0.690	0.687	0.003
100	B33_Unbiased	0.685	0.686	-0.001
100	B34_Unbiased	0.682	0.686	-0.004
100	B35_Unbiased	0.684	0.685	-0.001
100	C32_Unbiased	0.685	0.687	-0.002
100	C33_Unbiased	0.686	0.687	-0.001
100	C34_Unbiased	0.685	0.687	-0.002
100	C35_Unbiased	0.684	0.687	-0.003
100	C36_Unbiased	0.687	0.689	-0.002
100	C37_Unbiased	0.685	0.688	-0.003
100	C38_Unbiased	0.686	0.688	-0.002
	Max	0.690	0.691	0.003
	Average	0.686	0.687	-0.001
	Min	0.681	0.681	-0.005
	Std Dev	0.002	0.002	0.002



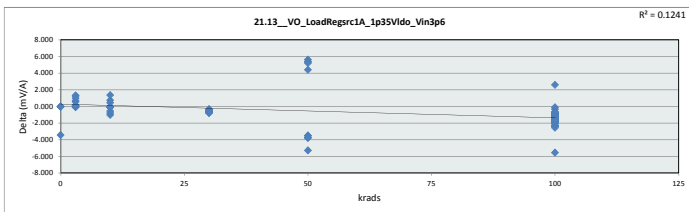
21.11_VO_snkload1A_1p35VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.72 V					
Min Limit	0.62 V					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.686	0.683	0.684	0.685	0.681	0.683
Average	0.689	0.687	0.686	0.687	0.687	0.687
Max	0.690	0.689	0.688	0.688	0.691	0.690
UL	0.720	0.720	0.720	0.720	0.720	0.720



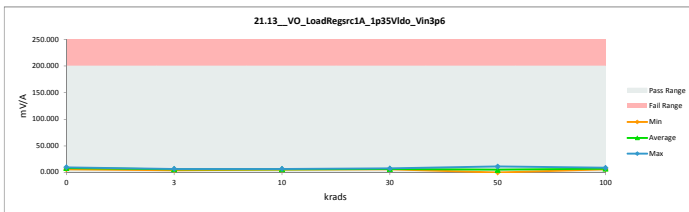
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21.13_VO_LoadRegsrc1A_1p35		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	mV/A	mV/A
Max Limit	200	200
Min Limit	0	0

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	8.287	8.287	0.000
3	A79_Biased	6.225	6.102	0.123
3	A80_Biased	6.731	5.493	1.238
3	B1_Biased	6.008	6.020	-0.012
3	B2_Biased	5.919	5.225	0.694
3	C1_Biased	5.793	5.866	-0.073
3	A82_Unbiased	6.856	5.506	1.350
3	A83_Unbiased	7.187	6.628	0.559
3	B4_Unbiased	5.226	4.221	1.005
3	B5_Unbiased	6.108	6.021	0.087
3	C2_Unbiased	6.177	6.073	0.104
10	A85_Biased	6.401	5.646	0.755
10	A86_Biased	7.308	5.935	1.373
10	B6_Biased	5.455	6.475	-1.020
10	C3_Biased	5.307	6.090	-0.783
10	C4_Biased	5.490	6.042	-0.552
10	A87_Unbiased	6.319	6.427	-0.108
10	A88_Unbiased	5.458	5.016	0.442
10	B7_Unbiased	6.289	6.290	-0.001
10	C5_Unbiased	6.221	6.317	-0.096
10	C6_Unbiased	6.500	6.556	-0.056
0	106_Corr	5.993	5.993	0.000
30	A89_Biased	5.485	5.827	-0.342
30	B8_Biased	5.709	6.343	-0.634
30	B9_Biased	5.622	6.375	-0.753
30	C7_Biased	6.670	7.200	-0.530
30	C9_Biased	5.874	6.202	-0.328
30	A90_Unbiased	5.483	5.860	-0.377
30	B10_Unbiased	6.633	7.221	-0.588
30	B11_Unbiased	5.279	6.017	-0.738
30	C11_Unbiased	6.732	7.312	-0.579
30	C12_Unbiased	5.872	6.654	-0.782
0	106_Corr	9.603	9.603	0.000
0	15B_Corr	9.206	9.206	0.000
50	A92_Biased	6.651	10.162	-3.511
50	A93_Biased	5.604	9.383	-3.779
50	B12_Biased	5.550	0.132	5.418
50	B13_Biased	5.736	11.005	-5.269
50	C14_Biased	5.841	0.215	5.626
50	A95_Unbiased	5.795	0.444	5.351
50	A96_Unbiased	6.356	9.879	-3.523
50	B15_Unbiased	4.405	8.127	-3.722
50	B16_Unbiased	4.903	0.479	4.424
50	C15_Unbiased	5.222	0.070	5.222
0	106_Corr	5.993	5.993	-3.430
100	A97_Biased	5.805	7.759	-1.954
100	A99_Biased	5.284	6.935	-1.651
100	A100_Biased	7.184	8.083	-0.899
100	A101_Biased	5.263	7.542	-2.279
100	A102_Biased	5.385	7.042	-1.657
100	A104_Biased	5.463	7.787	-2.324
100	A105_Biased	5.497	7.192	-1.695
100	B17_Biased	5.289	7.101	-1.812
100	B18_Biased	4.093	6.426	-2.333
100	B19_Biased	5.788	7.590	-1.802
100	B20_Biased	5.192	7.493	-2.301
100	B21_Biased	4.682	6.668	-1.986
100	B24_Biased	5.756	7.158	-1.402
100	B25_Biased	5.066	6.268	-1.192
100	B26_Biased	5.243	6.252	-1.009
100	C16_Biased	5.239	7.588	-2.349
100	C17_Biased	5.915	7.381	-1.466
100	C18_Biased	5.886	7.886	-2.000
100	C19_Biased	5.947	8.487	-2.540
100	C25_Biased	5.437	6.916	-1.479
100	C26_Biased	5.317	6.444	-1.127
100	C31_Biased	6.386	7.652	-1.266
100	A107_Unbiased	7.568	8.745	-0.747
100	A108_Unbiased	7.312	7.620	-0.308
100	A109_Unbiased	6.949	7.021	-0.072
100	A110_Unbiased	5.756	6.710	-0.954
100	A111_Unbiased	5.794	6.646	-0.852
100	A112_Unbiased	5.114	6.719	-1.605
100	A113_Unbiased	5.753	7.586	-1.833
100	B27_Unbiased	4.770	5.705	-0.935
100	B29_Unbiased	5.263	5.992	-0.629
100	B30_Unbiased	5.879	5.751	0.128
100	B31_Unbiased	5.466	6.684	-1.218
100	B32_Unbiased	9.374	6.757	2.617
100	B33_Unbiased	6.173	6.953	-0.780
100	B34_Unbiased	6.870	6.403	0.467
100	B35_Unbiased	5.405	6.079	-0.674
100	C32_Unbiased	6.017	7.708	-1.691
100	C33_Unbiased	5.762	6.810	-1.048
100	C34_Unbiased	5.400	7.129	-1.729
100	C35_Unbiased	5.357	7.432	-2.075
100	C36_Unbiased	6.713	8.137	-1.424
100	C37_Unbiased	6.698	8.565	-1.867
100	C38_Unbiased	5.498	7.217	-1.719
	Max	9.603	11.005	5.626
	Average	5.913	6.016	-0.703
	Min	0.870	0.070	-5.533
	Std Dev	1.097	1.947	1.971

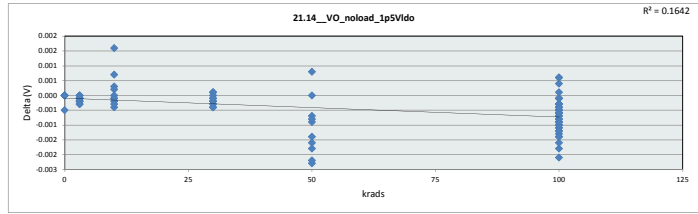


21.13_VO_LoadRegsrc1A_1p35						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200 mV/A					
Min Limit	0 mV/A					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	5.993	4.221	5.016	5.827	0.070	5.705
Average	8.502	5.716	6.079	6.501	4.990	7.125
Max	9.603	6.628	6.556	7.312	11.005	8.565
UL	200.000	200.000	200.000	200.000	200.000	200.000

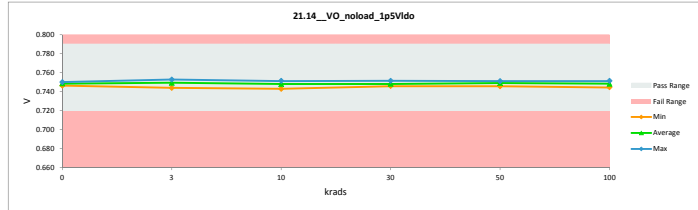


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21.14_VO_noload_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.750	0.750	0.000
3	A79_Biased	0.752	0.753	0.000
3	A80_Biased	0.749	0.749	0.000
3	B1_Biased	0.751	0.751	0.000
3	B2_Biased	0.744	0.744	0.000
3	C1_Biased	0.747	0.747	0.000
3	A82_Unbiased	0.750	0.750	0.000
3	A83_Unbiased	0.751	0.751	0.000
3	B4_Unbiased	0.749	0.750	0.000
3	B5_Unbiased	0.749	0.749	0.000
3	C2_Unbiased	0.750	0.750	0.000
10	A85_Biased	0.745	0.743	0.002
10	A86_Biased	0.748	0.748	0.000
10	B6_Biased	0.751	0.751	0.000
10	C3_Biased	0.748	0.748	0.000
10	C4_Biased	0.750	0.750	0.000
10	A87_Unbiased	0.746	0.746	0.000
10	A88_Unbiased	0.751	0.751	0.000
10	B7_Unbiased	0.748	0.748	0.000
10	C5_Unbiased	0.749	0.749	0.000
10	C6_Unbiased	0.745	0.745	0.000
0	106_Corr	0.748	0.748	0.000
30	A89_Biased	0.747	0.747	0.000
30	B8_Biased	0.752	0.751	0.000
30	B9_Biased	0.747	0.748	0.000
30	C7_Biased	0.747	0.747	0.000
30	C9_Biased	0.747	0.747	0.000
30	A90_Unbiased	0.749	0.749	0.000
30	B10_Unbiased	0.746	0.746	0.000
30	B11_Unbiased	0.749	0.749	0.000
30	C11_Unbiased	0.749	0.749	0.000
30	C12_Unbiased	0.748	0.748	0.000
0	106_Corr	0.749	0.749	0.000
0	15B_Corr	0.746	0.746	0.000
50	A92_Biased	0.750	0.750	-0.001
50	A93_Biased	0.750	0.750	0.000
50	B12_Biased	0.745	0.748	-0.002
50	B13_Biased	0.747	0.749	-0.001
50	C14_Biased	0.747	0.749	-0.002
50	A95_Unbiased	0.745	0.746	-0.001
50	A96_Unbiased	0.749	0.749	-0.001
50	B15_Unbiased	0.750	0.749	0.001
50	B16_Unbiased	0.746	0.748	-0.002
50	C15_Unbiased	0.749	0.751	-0.002
0	106_Corr	0.748	0.748	-0.001
100	A97_Biased	0.746	0.747	-0.001
100	A99_Biased	0.748	0.749	-0.001
100	A100_Biased	0.744	0.745	-0.001
100	A101_Biased	0.749	0.750	-0.001
100	A102_Biased	0.750	0.749	0.001
100	A104_Biased	0.748	0.750	-0.001
100	A105_Biased	0.745	0.746	-0.001
100	B17_Biased	0.749	0.749	0.000
100	B18_Biased	0.743	0.745	-0.002
100	B19_Biased	0.745	0.746	-0.001
100	B20_Biased	0.749	0.749	0.000
100	B21_Biased	0.748	0.748	-0.001
100	B24_Biased	0.746	0.747	-0.001
100	B25_Biased	0.747	0.747	0.000
100	B26_Biased	0.744	0.744	-0.001
100	C16_Biased	0.749	0.750	-0.001
100	C17_Biased	0.748	0.749	-0.001
100	C18_Biased	0.749	0.750	-0.002
100	C19_Biased	0.748	0.749	-0.001
100	C25_Biased	0.748	0.748	-0.001
100	C26_Biased	0.748	0.749	-0.001
100	C31_Biased	0.751	0.751	-0.001
100	A107_Unbiased	0.749	0.749	0.000
100	A108_Unbiased	0.748	0.748	0.000
100	A109_Unbiased	0.749	0.749	0.000
100	A110_Unbiased	0.749	0.749	0.000
100	A111_Unbiased	0.748	0.749	0.000
100	A112_Unbiased	0.749	0.750	-0.001
100	A113_Unbiased	0.750	0.751	0.000
100	B27_Unbiased	0.746	0.746	-0.001
100	B29_Unbiased	0.749	0.749	0.000
100	B30_Unbiased	0.747	0.747	0.000
100	B31_Unbiased	0.748	0.748	-0.001
100	B32_Unbiased	0.749	0.749	0.000
100	B33_Unbiased	0.746	0.747	-0.001
100	B34_Unbiased	0.747	0.747	0.001
100	B35_Unbiased	0.745	0.745	0.000
100	C32_Unbiased	0.746	0.747	-0.001
100	C33_Unbiased	0.749	0.749	-0.001
100	C34_Unbiased	0.747	0.748	-0.001
100	C35_Unbiased	0.746	0.747	-0.001
100	C36_Unbiased	0.750	0.750	0.000
100	C37_Unbiased	0.746	0.747	-0.002
100	C38_Unbiased	0.748	0.749	-0.001
	Max	0.752	0.753	0.002
	Average	0.748	0.748	0.000
	Min	0.743	0.743	-0.002
	Std Dev	0.002	0.002	0.001

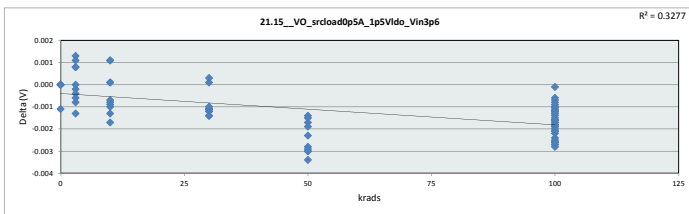


21.14_VO_noload_1p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.79 V					
Min Limit	0.72 V					
Krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.746	0.744	0.743	0.746	0.746	0.744
Average	0.748	0.749	0.748	0.748	0.749	0.748
Max	0.750	0.753	0.751	0.751	0.751	0.751
UL	0.790	0.790	0.790	0.790	0.790	0.790

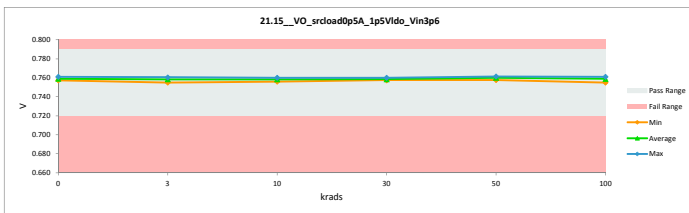


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21.15_VO_srcloadOp5A_1p5VId				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.761	0.761	0.000
3	A79_Biased	0.761	0.761	0.001
3	A80_Biased	0.760	0.759	0.001
3	B1_Biased	0.759	0.760	-0.001
3	B2_Biased	0.754	0.755	-0.001
3	C1_Biased	0.757	0.757	0.000
3	A82_Unbiased	0.760	0.759	0.001
3	A83_Unbiased	0.761	0.760	0.001
3	B4_Unbiased	0.757	0.757	0.000
3	B5_Unbiased	0.758	0.758	0.000
3	C2_Unbiased	0.759	0.759	-0.001
10	A85_Biased	0.757	0.756	0.001
10	A86_Biased	0.759	0.758	0.001
10	B6_Biased	0.759	0.760	-0.001
10	C3_Biased	0.757	0.758	-0.002
10	C4_Biased	0.758	0.760	-0.001
10	A87_Unbiased	0.757	0.757	0.000
10	A88_Unbiased	0.760	0.760	0.000
10	B7_Unbiased	0.757	0.758	-0.001
10	C5_Unbiased	0.759	0.759	-0.001
10	C6_Unbiased	0.756	0.757	-0.001
0	106_Corr	0.758	0.758	0.000
30	A89_Biased	0.758	0.757	0.000
30	B8_Biased	0.759	0.760	-0.001
30	B9_Biased	0.756	0.758	-0.001
30	C7_Biased	0.757	0.758	-0.001
30	C9_Biased	0.757	0.758	-0.001
30	A90_Unbiased	0.760	0.760	0.000
30	B10_Unbiased	0.756	0.758	-0.001
30	B11_Unbiased	0.758	0.759	-0.001
30	C11_Unbiased	0.758	0.759	-0.001
30	C12_Unbiased	0.757	0.758	-0.001
0	106_Corr	0.760	0.760	0.000
0	15B_Corr	0.757	0.757	0.000
50	A92_Biased	0.760	0.761	-0.001
50	A93_Biased	0.759	0.760	-0.001
50	B12_Biased	0.756	0.759	-0.003
50	B13_Biased	0.757	0.759	-0.003
50	C14_Biased	0.757	0.760	-0.003
50	A95_Unbiased	0.756	0.756	-0.002
50	A96_Unbiased	0.759	0.761	-0.002
50	B15_Unbiased	0.758	0.760	-0.002
50	B16_Unbiased	0.756	0.759	-0.003
50	C15_Unbiased	0.758	0.761	-0.003
0	106_Corr	0.759	0.759	-0.001
100	A97_Biased	0.758	0.758	-0.001
100	A99_Biased	0.758	0.759	-0.001
100	A100_Biased	0.756	0.757	-0.001
100	A101_Biased	0.758	0.760	-0.001
100	A102_Biased	0.759	0.760	-0.001
100	A104_Biased	0.758	0.760	-0.002
100	A105_Biased	0.756	0.757	-0.001
100	B17_Biased	0.757	0.759	-0.002
100	B18_Biased	0.753	0.756	-0.003
100	B19_Biased	0.756	0.758	-0.003
100	B20_Biased	0.757	0.759	-0.002
100	B21_Biased	0.757	0.759	-0.002
100	B24_Biased	0.755	0.757	-0.002
100	B25_Biased	0.756	0.757	-0.001
100	B26_Biased	0.754	0.755	-0.001
100	C16_Biased	0.758	0.760	-0.002
100	C17_Biased	0.757	0.760	-0.003
100	C18_Biased	0.758	0.761	-0.003
100	C19_Biased	0.757	0.760	-0.003
100	C25_Biased	0.757	0.758	-0.001
100	C26_Biased	0.757	0.760	-0.003
100	C31_Biased	0.759	0.761	-0.002
100	A107_Unbiased	0.759	0.760	-0.001
100	A108_Unbiased	0.760	0.760	0.000
100	A109_Unbiased	0.759	0.760	-0.001
100	A111_Unbiased	0.758	0.760	-0.002
100	A112_Unbiased	0.759	0.761	-0.001
100	A113_Unbiased	0.759	0.761	-0.001
100	B27_Unbiased	0.755	0.756	-0.001
100	B29_Unbiased	0.757	0.759	-0.002
100	B30_Unbiased	0.756	0.757	-0.002
100	B31_Unbiased	0.757	0.759	-0.002
100	B32_Unbiased	0.757	0.759	-0.002
100	B33_Unbiased	0.756	0.757	-0.002
100	B34_Unbiased	0.756	0.757	-0.002
100	B35_Unbiased	0.755	0.757	-0.002
100	C32_Unbiased	0.756	0.758	-0.002
100	C33_Unbiased	0.757	0.759	-0.002
100	C34_Unbiased	0.757	0.758	-0.002
100	C35_Unbiased	0.756	0.756	-0.002
100	C36_Unbiased	0.758	0.761	-0.002
100	C37_Unbiased	0.756	0.759	-0.003
100	C38_Unbiased	0.757	0.759	-0.003
	Max	0.761	0.761	0.001
	Average	0.758	0.759	-0.001
	Min	0.753	0.755	-0.003
	Std Dev	0.002	0.001	0.001

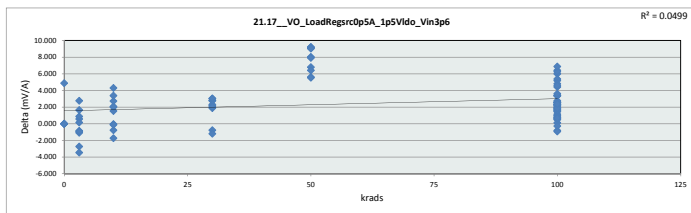


21.15_VO_srcloadOp5A_1p5V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.72	V				
Krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.757	0.755	0.756	0.758	0.758	0.755
Average	0.759	0.758	0.758	0.759	0.760	0.759
Max	0.761	0.761	0.760	0.760	0.761	0.761
UL	0.790	0.790	0.790	0.790	0.790	0.790

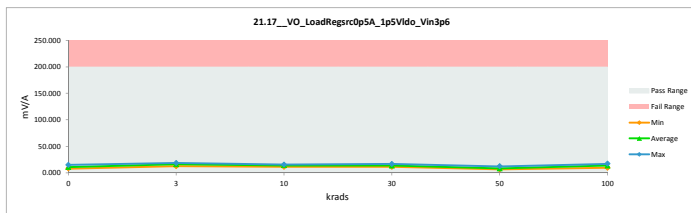


TID 100krad LDR Report
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21.17_VO_LoadRegrscOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	11.030	11.030	0.000
3	A79_Biased	16.374	17.227	-0.853
3	A80_Unbiased	15.993	18.737	-2.744
3	B1_Biased	17.235	14.476	2.759
3	B2_Biased	14.068	12.441	1.627
3	C1_Biased	17.698	17.151	0.547
3	A82_Unbiased	15.007	16.104	-1.097
3	A83_Unbiased	15.216	18.680	-3.464
3	B4_Unbiased	16.044	15.912	0.132
3	B5_Unbiased	15.065	15.986	-0.921
3	C2_Unbiased	16.695	15.835	0.860
10	A85_Biased	13.741	14.532	-0.791
10	A86_Biased	12.108	13.830	-1.722
10	B6_Biased	15.566	14.039	1.527
10	C3_Biased	19.865	15.576	4.289
10	C4_Biased	18.695	15.318	3.377
10	A87_Unbiased	11.340	11.403	-0.063
10	A88_Unbiased	14.997	15.129	-0.132
10	B7_Unbiased	16.870	14.879	1.991
10	C5_Unbiased	15.642	13.588	2.054
10	C6_Unbiased	15.254	12.523	2.731
0	106_Corr	14.891	14.891	0.000
30	A89_Biased	15.267	16.050	-0.783
30	B8_Biased	17.267	15.096	2.171
30	B9_Biased	16.342	13.535	2.807
30	C7_Biased	14.114	11.361	2.753
30	C9_Biased	15.997	12.991	3.006
30	A90_Unbiased	15.433	16.635	-1.202
30	B10_Unbiased	16.239	13.210	3.029
30	B11_Unbiased	16.613	14.730	1.883
30	C11_Unbiased	15.987	13.087	2.900
30	C12_Unbiased	15.208	13.166	2.042
0	106_Corr	8.122	8.122	0.000
0	15B_Corr	9.654	9.654	0.000
50	A92_Biased	13.044	7.427	5.617
50	A93_Biased	14.208	8.639	5.569
50	B12_Biased	17.292	8.087	9.205
50	B13_Biased	14.544	6.514	8.030
50	C14_Biased	16.005	6.909	9.096
50	A95_Unbiased	15.542	8.759	6.783
50	A96_Unbiased	13.768	7.353	6.415
50	B15_Unbiased	21.553	12.381	9.172
50	B16_Unbiased	17.985	10.096	7.889
50	C15_Unbiased	18.405	9.382	9.023
0	106_Corr	14.891	10.023	4.868
100	A97_Biased	14.100	13.996	0.104
100	A99_Biased	15.324	14.427	0.897
100	A100_Biased	13.799	11.216	2.583
100	A101_Biased	15.712	14.552	1.160
100	A102_Biased	15.788	16.601	-0.813
100	A104_Biased	13.135	9.806	3.329
100	A105_Biased	15.518	14.084	1.434
100	B17_Biased	17.163	13.778	3.385
100	B18_Biased	17.788	14.374	3.414
100	B19_Biased	16.016	11.619	4.397
100	B20_Biased	16.930	14.597	2.333
100	B21_Biased	17.989	15.737	2.252
100	B24_Biased	16.107	14.162	1.945
100	B25_Biased	16.179	13.984	2.195
100	B26_Biased	12.210	12.507	-0.297
100	C16_Biased	18.568	14.952	3.616
100	C17_Biased	18.540	12.537	6.003
100	C18_Biased	18.800	13.626	5.174
100	C19_Biased	16.093	10.720	5.373
100	C25_Biased	15.350	14.353	0.997
100	C26_Biased	20.357	13.937	6.420
100	C31_Biased	16.481	13.942	2.539
100	A107_Unbiased	12.178	10.429	1.749
100	A108_Unbiased	13.678	13.198	0.480
100	A109_Unbiased	13.481	14.399	-0.918
100	A110_Unbiased	15.292	14.535	0.757
100	A111_Unbiased	15.877	14.219	1.658
100	A112_Unbiased	18.883	16.322	2.561
100	A113_Unbiased	13.248	12.690	0.558
100	B27_Unbiased	15.354	14.688	0.666
100	B29_Unbiased	17.436	15.896	1.540
100	B30_Unbiased	18.072	15.781	2.291
100	B31_Unbiased	17.842	15.955	1.887
100	B32_Unbiased	16.061	14.422	1.639
100	B33_Unbiased	14.861	12.752	2.109
100	B34_Unbiased	17.900	17.208	0.692
100	B35_Unbiased	18.266	15.515	2.751
100	C32_Unbiased	17.091	12.280	4.811
100	C33_Unbiased	17.471	15.594	1.877
100	C34_Unbiased	19.459	16.882	2.577
100	C35_Unbiased	16.184	13.820	2.364
100	C36_Unbiased	17.550	11.283	6.267
100	C37_Unbiased	17.687	10.815	6.872
100	C38_Unbiased	19.628	15.058	4.570
	Max	21.553	18.737	2.816
	Average	15.885	13.436	2.449
	Min	8.122	6.514	-1.612
	Std Dev	2.271	2.681	2.744

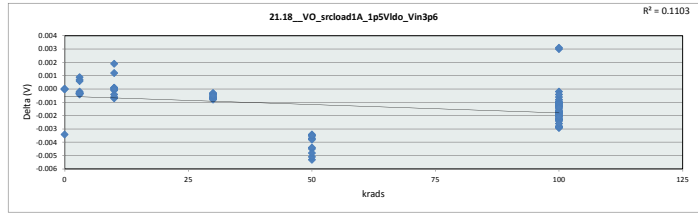


21.17_VO_LoadRegrscOp5A_1p5Vldo_Vin3p6					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	200	mV/A			
Min Limit	0	mV/A			
krads	0	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	8.122	12.441	11.403	11.361	6.514
Average	10.744	16.255	14.082	13.986	8.560
Max	14.891	18.737	15.576	16.635	12.381
UL	200.000	200.000	200.000	200.000	200.000

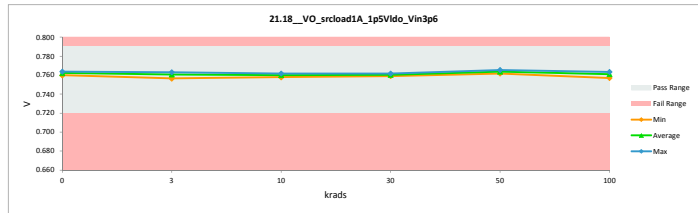


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21.18_VO_srcload1A_1p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.764	0.764	0.000
3	A79_Biased	0.763	0.763	0.000
3	A80_Biased	0.762	0.761	0.001
3	B1_Biased	0.761	0.761	0.000
3	B2_Biased	0.756	0.757	0.000
3	C1_Biased	0.759	0.760	0.000
3	A82_Unbiased	0.762	0.761	0.001
3	A83_Unbiased	0.763	0.762	0.001
3	B4_Unbiased	0.760	0.760	0.000
3	B5_Unbiased	0.760	0.760	0.000
3	C2_Unbiased	0.761	0.762	0.000
10	A85_Biased	0.759	0.758	0.001
10	A86_Biased	0.762	0.760	0.002
10	B6_Biased	0.761	0.762	-0.001
10	C3_Biased	0.760	0.760	-0.001
10	C4_Biased	0.761	0.761	0.000
10	A87_Unbiased	0.759	0.759	0.000
10	A88_Unbiased	0.761	0.761	0.000
10	B7_Unbiased	0.760	0.760	0.000
10	C5_Unbiased	0.761	0.761	0.000
10	C6_Unbiased	0.758	0.758	0.000
0	106_Corr	0.760	0.760	0.000
30	A89_Biased	0.758	0.759	-0.001
30	B8_Biased	0.761	0.762	-0.001
30	B9_Biased	0.759	0.759	-0.001
30	C7_Biased	0.760	0.760	0.000
30	C9_Biased	0.759	0.759	0.000
30	A90_Unbiased	0.761	0.761	0.000
30	B10_Unbiased	0.759	0.760	-0.001
30	B11_Unbiased	0.760	0.761	-0.001
30	C11_Unbiased	0.761	0.761	-0.001
30	C12_Unbiased	0.760	0.760	-0.001
0	106_Corr	0.764	0.764	0.000
0	15B_Corr	0.761	0.761	0.000
50	A92_Biased	0.761	0.765	-0.004
50	A93_Biased	0.760	0.764	-0.003
50	B12_Biased	0.758	0.763	-0.005
50	B13_Biased	0.759	0.764	-0.005
50	C14_Biased	0.760	0.764	-0.004
50	A95_Unbiased	0.758	0.762	-0.003
50	A96_Unbiased	0.760	0.764	-0.004
50	B15_Unbiased	0.760	0.764	-0.003
50	B16_Unbiased	0.758	0.763	-0.005
50	C15_Unbiased	0.761	0.765	-0.005
0	106_Corr	0.760	0.763	-0.003
100	A97_Biased	0.759	0.761	-0.002
100	A99_Biased	0.760	0.762	-0.002
100	A100_Biased	0.758	0.759	-0.002
100	A101_Biased	0.760	0.762	-0.002
100	A102_Biased	0.760	0.762	-0.002
100	A104_Biased	0.760	0.763	-0.003
100	A105_Biased	0.758	0.760	-0.002
100	B17_Biased	0.760	0.762	-0.002
100	B18_Biased	0.755	0.758	-0.003
100	B19_Biased	0.758	0.760	-0.002
100	B20_Biased	0.760	0.761	-0.002
100	B21_Biased	0.760	0.762	-0.002
100	B24_Biased	0.758	0.760	-0.002
100	B25_Biased	0.758	0.759	-0.001
100	B26_Biased	0.756	0.757	-0.001
100	C16_Biased	0.761	0.763	-0.002
100	C17_Biased	0.760	0.762	-0.002
100	C18_Biased	0.761	0.763	-0.003
100	C19_Biased	0.759	0.762	-0.003
100	C25_Biased	0.759	0.761	-0.002
100	C26_Biased	0.760	0.763	-0.003
100	C31_Biased	0.762	0.763	-0.001
100	A107_Unbiased	0.761	0.762	-0.001
100	A108_Unbiased	0.762	0.762	-0.001
100	A109_Unbiased	0.762	0.762	0.000
100	A110_Unbiased	0.761	0.762	-0.001
100	A111_Unbiased	0.760	0.762	-0.002
100	A112_Unbiased	0.761	0.763	-0.002
100	A113_Unbiased	0.761	0.763	-0.002
100	B27_Unbiased	0.757	0.758	-0.001
100	B29_Unbiased	0.760	0.760	-0.001
100	B30_Unbiased	0.759	0.759	0.000
100	B31_Unbiased	0.760	0.761	-0.001
100	B32_Unbiased	0.764	0.761	0.003
100	B33_Unbiased	0.758	0.759	-0.001
100	B34_Unbiased	0.763	0.760	0.003
100	B35_Unbiased	0.758	0.758	0.000
100	C32_Unbiased	0.758	0.761	-0.002
100	C33_Unbiased	0.760	0.761	-0.001
100	C34_Unbiased	0.759	0.761	-0.002
100	C35_Unbiased	0.758	0.760	-0.002
100	C36_Unbiased	0.762	0.763	-0.001
100	C37_Unbiased	0.758	0.761	-0.003
100	C38_Unbiased	0.760	0.762	-0.002
	Max	0.764	0.765	0.003
	Average	0.760	0.761	-0.001
	Min	0.755	0.757	-0.005
	Std Dev	0.002	0.002	0.002

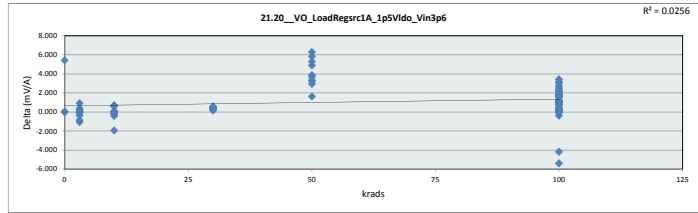


21.18_VO_srcload1A_1p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.72	V				
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.760	0.757	0.758	0.759	0.762	0.757
Average	0.762	0.761	0.760	0.760	0.764	0.761
Max	0.764	0.763	0.762	0.762	0.765	0.764
UL	0.790	0.790	0.790	0.790	0.790	0.790

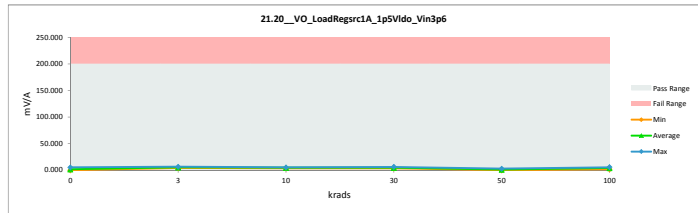


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21_20_VO_LoadRegrsc1A_1p5V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.880	1.880	0.000
3	A79_Biased	6.069	5.134	0.935
3	A80_Biased	5.344	6.412	-1.068
3	B1_Biased	5.555	5.630	-0.075
3	B2_Biased	4.150	3.956	0.194
3	C1_Biased	5.599	5.230	0.369
3	A82_Unbiased	4.916	5.289	-0.373
3	A83_Unbiased	4.813	5.675	-0.862
3	B4_Unbiased	4.822	4.755	0.067
3	B5_Unbiased	4.888	4.911	-0.023
3	C2_Unbiased	4.835	4.882	-0.047
10	A85_Biased	4.514	4.947	-0.433
10	A86_Biased	2.852	4.784	-1.932
10	B6_Biased	5.163	4.531	0.632
10	C3_Biased	6.337	5.605	0.732
10	C4_Biased	6.188	5.607	0.581
10	A87_Unbiased	3.492	3.459	0.033
10	A88_Unbiased	5.449	5.577	-0.128
10	B7_Unbiased	4.750	4.984	-0.234
10	C5_Unbiased	4.744	4.666	0.078
10	C6_Unbiased	4.230	4.144	0.086
0	106_Corr	5.429	5.000	0.429
30	A89_Biased	6.404	5.924	0.480
30	B8_Biased	5.676	5.243	0.433
30	B9_Biased	4.970	4.572	0.398
30	C7_Biased	3.919	3.533	0.386
30	C9_Biased	4.864	4.386	0.478
30	A90_Unbiased	6.447	6.292	0.155
30	B10_Unbiased	4.496	3.964	0.532
30	B11_Unbiased	5.524	5.053	0.471
30	C11_Unbiased	4.360	3.789	0.571
30	C12_Unbiased	4.324	4.047	0.277
0	106_Corr	0.949	0.949	0.000
0	15B_Corr	0.004	0.004	0.000
50	A92_Biased	4.486	1.242	3.244
50	A93_Biased	5.090	0.185	4.905
50	B12_Biased	4.727	1.378	3.349
50	B13_Biased	4.410	2.783	1.627
50	C14_Biased	4.706	1.754	2.952
50	A95_Unbiased	4.801	0.920	3.881
50	A96_Unbiased	4.774	1.094	3.680
50	B15_Unbiased	7.643	1.328	6.315
50	B16_Unbiased	5.998	0.693	5.305
50	C15_Unbiased	6.470	0.653	5.817
0	106_Corr	5.429	0.015	5.414
100	A97_Biased	5.288	4.091	1.197
100	A99_Biased	5.537	3.971	1.566
100	A100_Biased	4.205	2.253	1.952
100	A101_Biased	6.036	4.293	1.743
100	A102_Biased	6.601	5.461	1.140
100	A104_Biased	4.416	1.982	2.434
100	A105_Biased	5.672	3.535	2.137
100	B17_Biased	5.429	3.638	1.791
100	B18_Biased	5.936	3.824	2.162
100	B19_Biased	5.008	3.185	1.823
100	B20_Biased	5.459	4.442	1.017
100	B21_Biased	6.269	4.668	1.601
100	B24_Biased	4.730	4.037	0.693
100	B25_Biased	5.053	4.628	0.425
100	B26_Biased	3.977	3.772	0.205
100	C16_Biased	6.389	4.172	2.217
100	C17_Biased	5.643	3.456	2.187
100	C18_Biased	6.305	2.771	3.534
100	C19_Biased	5.055	1.868	3.187
100	C25_Biased	5.106	4.298	0.808
100	C26_Biased	6.593	3.148	3.445
100	C31_Biased	4.841	4.048	0.793
100	A107_Unbiased	3.497	2.342	1.155
100	A108_Unbiased	3.975	3.698	0.277
100	A109_Unbiased	3.679	4.056	-0.377
100	A110_Unbiased	5.632	4.663	0.969
100	A111_Unbiased	5.517	4.022	1.095
100	A112_Unbiased	7.429	4.846	2.583
100	A113_Unbiased	4.761	3.625	1.136
100	B27_Unbiased	5.086	4.938	0.148
100	B29_Unbiased	5.714	5.556	0.158
100	B30_Unbiased	5.494	5.479	0.015
100	B31_Unbiased	5.616	5.696	-0.080
100	B32_Unbiased	0.600	4.782	-4.182
100	B33_Unbiased	4.100	3.910	0.190
100	B34_Unbiased	0.276	5.272	-5.296
100	B35_Unbiased	5.433	5.460	-0.027
100	C32_Unbiased	5.188	3.295	1.893
100	C33_Unbiased	5.704	5.292	0.412
100	C34_Unbiased	6.542	5.588	0.954
100	C35_Unbiased	5.162	3.324	1.768
100	C36_Unbiased	4.676	3.036	1.640
100	C37_Unbiased	5.318	2.243	3.075
100	C38_Unbiased	6.148	4.485	1.663
	Max	7.643	6.412	6.315
	Average	4.962	3.894	1.068
	Min	0.004	0.004	-5.396
	Std Dev	1.347	1.568	1.796

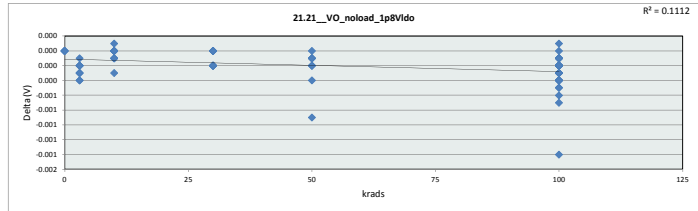


21_20_VO_LoadRegrsc1A_1p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mV/A					
Max Limit	200					
Min Limit	0					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.004	3.956	3.459	3.533	0.185	1.868
Average	1.655	5.187	4.830	4.680	1.203	4.075
Max	5.429	6.412	5.607	6.292	2.783	5.696
UL	200.000	200.000	200.000	200.000	200.000	200.000

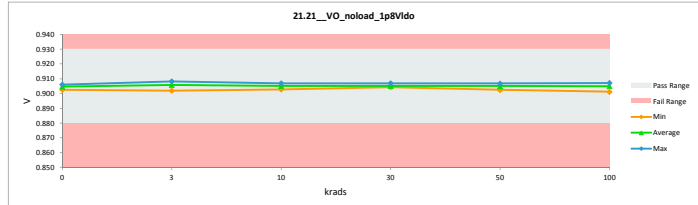


TID 100krad LDR Report
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21_21_VO_noload_1p8VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.93	0.93		
Min Limit	0.88	0.88		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.906	0.906	0.000
3	A79_Biased	0.908	0.908	0.000
3	A80_Biased	0.906	0.906	0.000
3	B1_Biased	0.906	0.906	0.000
3	B2_Biased	0.902	0.902	0.000
3	C1_Biased	0.905	0.905	0.000
3	A82_Unbiased	0.906	0.906	0.000
3	A83_Unbiased	0.907	0.907	0.000
3	B4_Unbiased	0.905	0.905	0.000
3	B5_Unbiased	0.905	0.905	0.000
3	C2_Unbiased	0.906	0.907	0.000
10	A85_Biased	0.903	0.903	0.000
10	A86_Biased	0.905	0.905	0.000
10	B6_Biased	0.907	0.907	0.000
10	C3_Biased	0.905	0.905	0.000
10	C4_Biased	0.906	0.906	0.000
10	A87_Unbiased	0.904	0.904	0.000
10	A88_Unbiased	0.907	0.907	0.000
10	B7_Unbiased	0.905	0.905	0.000
10	C5_Unbiased	0.906	0.906	0.000
10	C6_Unbiased	0.903	0.904	0.000
0	106_Corr	0.905	0.905	0.000
30	A89_Biased	0.904	0.904	0.000
30	B8_Biased	0.907	0.907	0.000
30	B9_Biased	0.904	0.904	0.000
30	C7_Biased	0.905	0.905	0.000
30	C9_Biased	0.904	0.904	0.000
30	A90_Unbiased	0.906	0.906	0.000
30	B10_Unbiased	0.904	0.904	0.000
30	B11_Unbiased	0.905	0.906	0.000
30	C11_Unbiased	0.905	0.905	0.000
30	C12_Unbiased	0.905	0.905	0.000
0	106_Corr	0.905	0.905	0.000
0	15B_Corr	0.903	0.903	0.000
50	A92_Biased	0.906	0.907	0.000
50	A93_Biased	0.906	0.906	0.000
50	B12_Biased	0.903	0.904	0.000
50	B13_Biased	0.905	0.905	0.000
50	C14_Biased	0.905	0.905	0.000
50	A95_Unbiased	0.902	0.902	0.000
50	A96_Unbiased	0.905	0.906	0.000
50	B15_Unbiased	0.906	0.906	0.000
50	B16_Unbiased	0.904	0.904	0.000
50	C15_Unbiased	0.906	0.907	-0.001
0	106_Corr	0.905	0.905	0.000
100	A97_Biased	0.905	0.905	0.000
100	A99_Biased	0.905	0.905	0.000
100	A100_Biased	0.902	0.903	0.000
100	A101_Biased	0.905	0.906	0.000
100	A102_Biased	0.906	0.906	0.000
100	A104_Biased	0.905	0.906	0.000
100	A105_Biased	0.903	0.903	0.000
100	B17_Biased	0.905	0.905	0.000
100	B18_Biased	0.901	0.901	0.000
100	B19_Biased	0.903	0.904	0.000
100	B20_Biased	0.905	0.906	-0.001
100	B21_Biased	0.905	0.905	0.000
100	B24_Biased	0.903	0.903	0.000
100	B25_Biased	0.904	0.904	0.000
100	B26_Biased	0.902	0.902	0.000
100	C16_Biased	0.906	0.906	-0.001
100	C17_Biased	0.905	0.905	0.000
100	C18_Biased	0.906	0.907	-0.001
100	C19_Biased	0.905	0.905	0.000
100	C25_Biased	0.905	0.905	0.000
100	C26_Biased	0.905	0.905	0.000
100	C31_Biased	0.907	0.907	0.000
100	A107_Unbiased	0.905	0.906	0.000
100	A108_Unbiased	0.905	0.906	-0.001
100	A109_Unbiased	0.906	0.906	0.000
100	A110_Unbiased	0.906	0.906	0.000
100	A111_Unbiased	0.905	0.905	0.000
100	A112_Unbiased	0.906	0.906	0.000
100	A113_Unbiased	0.906	0.906	0.000
100	B27_Unbiased	0.903	0.904	-0.001
100	B29_Unbiased	0.905	0.905	0.000
100	B30_Unbiased	0.904	0.904	0.000
100	B31_Unbiased	0.905	0.905	0.000
100	B32_Unbiased	0.905	0.905	0.000
100	B33_Unbiased	0.904	0.904	0.000
100	B34_Unbiased	0.904	0.904	0.000
100	B35_Unbiased	0.903	0.903	0.000
100	C32_Unbiased	0.904	0.904	0.000
100	C33_Unbiased	0.905	0.905	0.000
100	C34_Unbiased	0.905	0.905	0.000
100	C35_Unbiased	0.904	0.904	0.000
100	C36_Unbiased	0.906	0.906	0.000
100	C37_Unbiased	0.903	0.904	0.000
100	C38_Unbiased	0.905	0.905	0.000
	Max	0.908	0.908	0.000
	Average	0.905	0.905	0.000
	Min	0.901	0.901	-0.001
	Std Dev	0.001	0.001	0.000

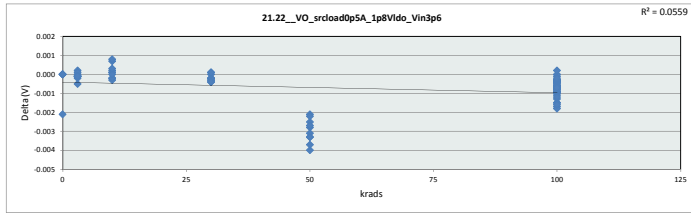


21_21_VO_noload_1p8VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.93	V				
Min Limit	0.88	V				
Krads	0	3	10	30	50	100
LL	0.880	0.880	0.880	0.880	0.880	0.880
Min	0.903	0.902	0.903	0.904	0.903	0.901
Average	0.905	0.906	0.905	0.905	0.905	0.905
Max	0.906	0.908	0.907	0.907	0.907	0.907
UL	0.930	0.930	0.930	0.930	0.930	0.930

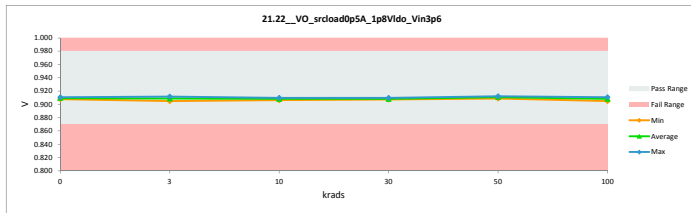


TID 100krad LDR Report
TPS7H3301-SP

21.22_VO_srcloadOp5A_1p8VId				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.98	0.98		
Min Limit	0.87	0.87		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.910	0.910	0.000
3	A79_Biased	0.911	0.912	-0.001
3	A80_Biased	0.910	0.909	0.000
3	B1_Biased	0.910	0.910	0.000
3	B2_Biased	0.905	0.905	0.000
3	C1_Biased	0.908	0.908	0.000
3	A82_Unbiased	0.909	0.909	0.000
3	A83_Unbiased	0.910	0.911	0.000
3	B4_Unbiased	0.908	0.908	0.000
3	B5_Unbiased	0.908	0.908	0.000
3	C2_Unbiased	0.910	0.910	0.000
10	A85_Biased	0.907	0.906	0.001
10	A86_Biased	0.907	0.908	0.001
10	B6_Biased	0.910	0.910	0.000
10	C3_Biased	0.908	0.908	0.000
10	C4_Biased	0.909	0.910	0.000
10	A87_Unbiased	0.907	0.907	0.000
10	A88_Unbiased	0.909	0.909	0.000
10	B7_Unbiased	0.908	0.908	0.000
10	C5_Unbiased	0.909	0.909	0.000
10	C6_Unbiased	0.907	0.907	0.000
0	106_Corr	0.908	0.908	0.000
30	A89_Biased	0.907	0.908	0.000
30	B8_Biased	0.910	0.910	0.000
30	B9_Biased	0.907	0.907	0.000
30	C7_Biased	0.908	0.908	0.000
30	C9_Biased	0.908	0.908	0.000
30	A90_Unbiased	0.909	0.910	0.000
30	B10_Unbiased	0.908	0.907	0.000
30	B11_Unbiased	0.909	0.909	0.000
30	C11_Unbiased	0.909	0.909	0.000
30	C12_Unbiased	0.908	0.908	0.000
0	106_Corr	0.911	0.911	0.000
0	15B_Corr	0.908	0.908	0.000
50	A92_Biased	0.910	0.912	-0.002
50	A93_Biased	0.909	0.911	-0.002
50	B12_Biased	0.907	0.910	-0.003
50	B13_Biased	0.907	0.911	-0.004
50	C14_Biased	0.908	0.911	-0.003
50	A95_Unbiased	0.906	0.909	-0.003
50	A96_Unbiased	0.909	0.911	-0.002
50	B15_Unbiased	0.909	0.911	-0.002
50	B16_Unbiased	0.907	0.910	-0.004
50	C15_Unbiased	0.909	0.912	-0.003
0	106_Corr	0.908	0.910	-0.002
100	A97_Biased	0.908	0.908	-0.001
100	A99_Biased	0.908	0.909	-0.001
100	A100_Biased	0.906	0.907	-0.001
100	A101_Biased	0.908	0.909	-0.001
100	A102_Biased	0.909	0.910	-0.001
100	A104_Biased	0.908	0.910	-0.002
100	A105_Biased	0.906	0.907	-0.001
100	B17_Biased	0.908	0.909	-0.001
100	B18_Biased	0.904	0.905	-0.001
100	B19_Biased	0.906	0.908	-0.001
100	B20_Biased	0.908	0.909	0.000
100	B21_Biased	0.908	0.909	-0.001
100	B24_Biased	0.906	0.907	-0.001
100	B25_Biased	0.907	0.907	0.000
100	B26_Biased	0.905	0.905	0.000
100	C16_Biased	0.910	0.910	0.000
100	C17_Biased	0.908	0.909	-0.001
100	C18_Biased	0.909	0.911	-0.002
100	C19_Biased	0.908	0.909	-0.001
100	C25_Biased	0.908	0.908	-0.001
100	C26_Biased	0.908	0.910	-0.002
100	C31_Biased	0.910	0.911	0.000
100	A107_Unbiased	0.909	0.910	-0.001
100	A108_Unbiased	0.909	0.910	0.000
100	A109_Unbiased	0.909	0.909	0.000
100	A110_Unbiased	0.909	0.910	-0.001
100	A111_Unbiased	0.908	0.909	-0.001
100	A112_Unbiased	0.909	0.910	-0.001
100	A113_Unbiased	0.909	0.910	-0.001
100	B27_Unbiased	0.906	0.906	0.000
100	B29_Unbiased	0.908	0.908	0.000
100	B30_Unbiased	0.907	0.907	0.000
100	B31_Unbiased	0.908	0.909	-0.001
100	B32_Unbiased	0.908	0.909	-0.001
100	B33_Unbiased	0.907	0.907	0.000
100	B34_Unbiased	0.907	0.907	0.000
100	B35_Unbiased	0.906	0.906	0.000
100	C32_Unbiased	0.907	0.908	-0.001
100	C33_Unbiased	0.908	0.909	-0.001
100	C34_Unbiased	0.908	0.908	-0.001
100	C35_Unbiased	0.907	0.907	-0.001
100	C36_Unbiased	0.910	0.910	-0.001
100	C37_Unbiased	0.907	0.909	-0.002
100	C38_Unbiased	0.908	0.909	-0.001
	Max	0.911	0.912	0.001
	Average	0.908	0.909	-0.001
	Min	0.904	0.905	-0.004
	Std Dev	0.001	0.002	0.001

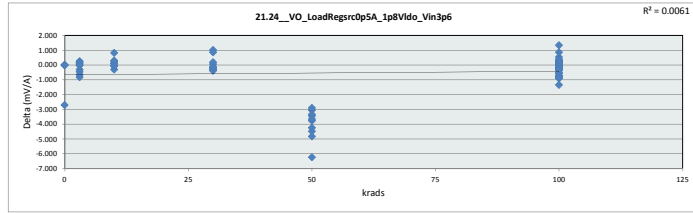


21.22_VO_srcloadOp5A_1p8V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.98	V				
Min Limit	0.87	V				
Krads	0	3	10	30	50	100
LL	0.870	0.870	0.870	0.870	0.870	0.870
Min	0.908	0.905	0.906	0.907	0.909	0.905
Average	0.910	0.909	0.908	0.908	0.911	0.908
Max	0.911	0.912	0.910	0.910	0.912	0.911
UL	0.980	0.980	0.980	0.980	0.980	0.980

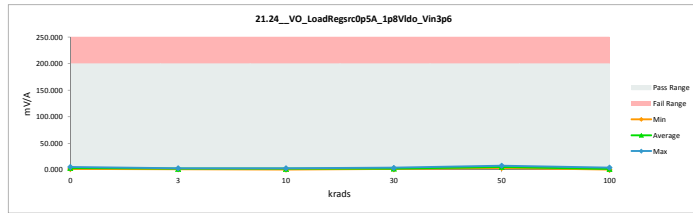


TID 100krad LDR Report
TPS7H3301-SP

21_24_VO_LoadResrcOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.202	2.202	0.000
3	A79_Biased	1.998	2.827	-0.829
3	A80_Biased	1.248	1.542	-0.294
3	B1_Biased	2.515	2.265	0.250
3	B2_Biased	1.277	1.124	0.153
3	C1_Biased	1.849	1.770	0.079
3	A82_Unbiased	0.946	1.408	-0.459
3	A83_Unbiased	1.079	1.720	-0.641
3	B4_Unbiased	1.412	1.215	0.197
3	B5_Unbiased	2.444	2.468	-0.024
3	C2_Unbiased	2.309	2.304	0.005
10	A85_Biased	1.222	1.515	-0.293
10	A86_Biased	1.767	1.666	0.101
10	B6_Biased	1.700	1.592	0.108
10	C3_Biased	1.063	1.125	-0.062
10	C4_Biased	1.610	1.650	-0.040
10	A87_Unbiased	2.975	2.861	0.114
10	A88_Unbiased	0.578	0.331	0.247
10	B7_Unbiased	3.113	2.810	0.303
10	C5_Unbiased	2.278	2.339	-0.061
10	C6_Unbiased	3.648	2.837	0.811
0	106_Corr	1.609	1.609	0.000
30	A89_Biased	1.354	1.657	-0.303
30	B8_Biased	1.737	1.992	-0.255
30	B9_Biased	1.783	1.728	0.055
30	C7_Biased	3.331	3.715	-0.384
30	C9_Biased	1.714	1.919	-0.205
30	A90_Unbiased	1.393	1.527	-0.134
30	B10_Unbiased	3.414	2.407	1.007
30	B11_Unbiased	1.699	1.826	-0.127
30	C11_Unbiased	3.326	3.524	0.202
30	C12_Unbiased	2.147	1.286	0.861
0	106_Corr	5.183	5.183	0.000
0	15B_Corr	3.861	3.861	0.000
50	A92_Biased	2.682	6.112	-3.430
50	A93_Biased	1.022	4.065	-3.043
50	B12_Biased	0.934	5.398	-4.464
50	B13_Biased	1.568	7.796	-6.228
50	C14_Biased	2.273	6.026	-3.753
50	A95_Unbiased	0.899	4.830	-3.931
50	A96_Unbiased	2.225	5.561	-3.336
50	B15_Unbiased	0.446	3.348	-2.902
50	B16_Unbiased	0.761	4.988	-4.227
50	C15_Unbiased	1.024	4.667	-3.643
0	106_Corr	4.609	4.609	0.000
100	A97_Biased	1.771	1.917	-0.146
100	A99_Biased	0.484	0.715	-0.231
100	A100_Biased	1.613	2.522	-0.909
100	A101_Biased	1.244	0.935	0.309
100	A102_Biased	1.341	1.700	-0.359
100	A104_Biased	1.297	2.158	-0.861
100	A105_Biased	1.268	1.191	0.077
100	B17_Biased	1.604	1.579	0.025
100	B18_Biased	0.146	0.043	0.103
100	B19_Biased	2.274	2.169	0.105
100	B20_Biased	1.156	1.130	0.026
100	B21_Biased	0.275	0.244	0.031
100	B24_Biased	1.619	1.222	0.397
100	B25_Biased	0.844	1.423	-0.579
100	B26_Biased	1.404	1.220	0.184
100	C16_Biased	2.341	1.796	0.545
100	C17_Biased	2.160	2.463	-0.303
100	C18_Biased	1.720	2.425	-0.705
100	C19_Biased	2.246	3.001	-0.755
100	C25_Biased	1.383	1.586	-0.203
100	C26_Biased	0.391	1.733	-1.342
100	C31_Biased	3.037	2.171	0.866
100	A107_Unbiased	2.931	3.182	-0.251
100	A108_Unbiased	2.448	2.691	-0.243
100	A109_Unbiased	0.477	0.268	0.209
100	A110_Unbiased	1.026	1.196	-0.170
100	A111_Unbiased	1.212	1.238	-0.026
100	A112_Unbiased	1.098	0.846	0.252
100	A113_Unbiased	1.909	2.123	-0.214
100	B27_Unbiased	0.817	0.866	-0.049
100	B29_Unbiased	1.235	1.313	-0.078
100	B30_Unbiased	0.900	0.971	-0.071
100	B31_Unbiased	1.705	1.843	-0.138
100	B32_Unbiased	1.565	2.086	-0.521
100	B33_Unbiased	2.797	2.572	0.225
100	B34_Unbiased	2.179	0.822	1.350
100	B35_Unbiased	1.489	1.153	0.336
100	C32_Unbiased	2.356	2.411	-0.055
100	C33_Unbiased	1.833	2.023	-0.190
100	C34_Unbiased	1.396	1.530	-0.134
100	C35_Unbiased	1.594	1.897	-0.303
100	C36_Unbiased	3.227	3.083	0.144
100	C37_Unbiased	3.086	3.908	-0.822
100	C38_Unbiased	1.378	1.046	0.332
	Max	5.183	7.796	1.350
	Average	1.770	2.290	-0.520
	Min	0.146	0.043	-6.228
	Std Dev	0.903	1.467	1.372



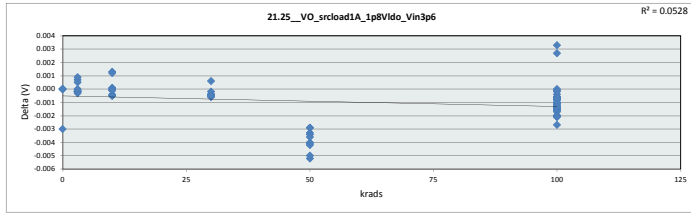
21_24_VO_LoadResrcOp5A_1p					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	200	mV/A			
Min Limit	0	mV/A			
krads	LL	Min	Average	Max	UL
0	0.000	0.000	0.000	0.000	0.000
10	0.000	1.124	0.331	1.286	3.348
30	0.000	1.864	1.873	2.158	5.369
50	0.000	2.827	2.861	3.715	7.796
100	0.000	200.000	200.000	200.000	200.000



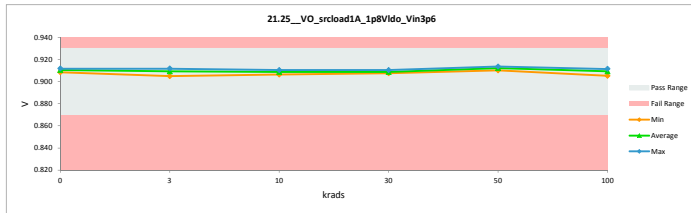
TID 100krad LDR Report
TPS7H3301-SP

21.25_VO_srcload1A_1p8VIdo			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.93	0.93	
Min Limit	0.87	0.87	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.911	0.911	0.000
3	A79_Biased	0.911	0.912	0.000
3	A80_Biased	0.910	0.910	0.001
3	B1_Biased	0.910	0.910	0.000
3	B2_Biased	0.905	0.905	0.000
3	C1_Biased	0.908	0.908	0.000
3	A82_Unbiased	0.910	0.909	0.001
3	A83_Unbiased	0.911	0.911	0.000
3	B4_Unbiased	0.908	0.908	0.000
3	B5_Unbiased	0.908	0.909	0.000
3	C2_Unbiased	0.910	0.910	0.000
10	A85_Biased	0.908	0.906	0.001
10	A86_Biased	0.910	0.909	0.001
10	B6_Biased	0.910	0.910	-0.001
10	C3_Biased	0.908	0.909	-0.001
10	C4_Biased	0.910	0.910	0.000
10	A87_Unbiased	0.907	0.907	0.000
10	A88_Unbiased	0.910	0.910	0.000
10	B7_Unbiased	0.908	0.908	0.000
10	C5_Unbiased	0.910	0.910	0.000
10	C6_Unbiased	0.907	0.907	0.000
0	106_Corr	0.908	0.908	0.000
30	A89_Biased	0.907	0.908	0.000
30	B8_Biased	0.910	0.910	-0.001
30	B9_Biased	0.908	0.908	0.000
30	C7_Biased	0.908	0.909	0.000
30	C9_Biased	0.908	0.908	0.000
30	A90_Unbiased	0.910	0.910	0.000
30	B10_Unbiased	0.909	0.908	0.001
30	B11_Unbiased	0.909	0.909	-0.001
30	C11_Unbiased	0.909	0.910	-0.001
30	C12_Unbiased	0.908	0.909	0.000
0	106_Corr	0.912	0.912	0.000
0	15B_Corr	0.909	0.909	0.000
50	A92_Biased	0.910	0.913	-0.003
50	A93_Biased	0.909	0.912	-0.003
50	B12_Biased	0.907	0.911	-0.004
50	B13_Biased	0.907	0.913	-0.005
50	C14_Biased	0.908	0.912	-0.004
50	A95_Unbiased	0.907	0.910	-0.003
50	A96_Unbiased	0.909	0.912	-0.004
50	B15_Unbiased	0.909	0.912	-0.003
50	B16_Unbiased	0.907	0.912	-0.005
50	C15_Unbiased	0.909	0.914	-0.004
0	106_Corr	0.908	0.911	-0.003
100	A97_Biased	0.908	0.909	-0.001
100	A99_Biased	0.909	0.910	-0.001
100	A100_Biased	0.906	0.907	-0.001
100	A101_Biased	0.909	0.910	-0.001
100	A102_Biased	0.909	0.911	-0.002
100	A104_Biased	0.909	0.910	-0.002
100	A105_Biased	0.906	0.908	-0.002
100	B17_Biased	0.908	0.910	-0.001
100	B18_Biased	0.904	0.906	-0.002
100	B19_Biased	0.906	0.908	-0.002
100	B20_Biased	0.908	0.910	-0.001
100	B21_Biased	0.908	0.910	-0.001
100	B24_Biased	0.906	0.908	-0.001
100	B25_Biased	0.907	0.908	-0.001
100	B26_Biased	0.905	0.905	-0.001
100	C16_Biased	0.909	0.911	-0.002
100	C17_Biased	0.908	0.910	-0.002
100	C18_Biased	0.909	0.911	-0.002
100	C19_Biased	0.908	0.910	-0.002
100	C25_Biased	0.908	0.909	-0.001
100	C26_Biased	0.909	0.911	-0.002
100	C31_Biased	0.911	0.911	-0.001
100	A107_Unbiased	0.910	0.910	0.000
100	A108_Unbiased	0.910	0.910	0.000
100	A109_Unbiased	0.910	0.910	0.000
100	A110_Unbiased	0.909	0.910	-0.001
100	A111_Unbiased	0.909	0.910	-0.001
100	A112_Unbiased	0.910	0.911	-0.001
100	A113_Unbiased	0.910	0.911	-0.001
100	B27_Unbiased	0.906	0.906	-0.001
100	B29_Unbiased	0.908	0.909	0.000
100	B30_Unbiased	0.907	0.908	-0.001
100	B31_Unbiased	0.908	0.909	-0.001
100	B32_Unbiased	0.912	0.909	0.003
100	B33_Unbiased	0.907	0.908	-0.001
100	B34_Unbiased	0.907	0.911	0.003
100	B35_Unbiased	0.906	0.907	0.000
100	C32_Unbiased	0.907	0.909	-0.001
100	C33_Unbiased	0.908	0.909	-0.001
100	C34_Unbiased	0.908	0.909	-0.001
100	C35_Unbiased	0.907	0.908	-0.001
100	C36_Unbiased	0.910	0.911	-0.001
100	C37_Unbiased	0.907	0.909	-0.002
100	C38_Unbiased	0.908	0.910	-0.001
	Max	0.912	0.914	0.003
	Average	0.908	0.909	-0.001
	Min	0.904	0.905	-0.005
	Std Dev	0.002	0.002	0.001

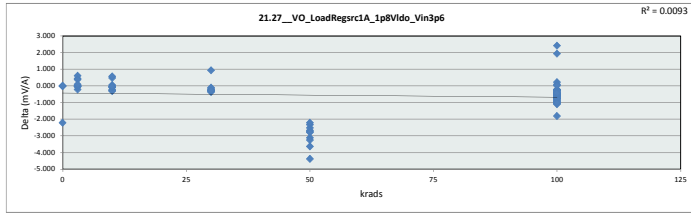


21.25_VO_srcload1A_1p8VIdo_Vin3p6						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.93 V					
Min Limit	0.87 V					
krads	0	3	10	30	50	100
LL	0.870	0.870	0.870	0.870	0.870	0.870
Min	0.908	0.905	0.906	0.908	0.910	0.905
Average	0.910	0.909	0.909	0.909	0.912	0.909
Max	0.912	0.912	0.910	0.910	0.914	0.911
UL	0.930	0.930	0.930	0.930	0.930	0.930

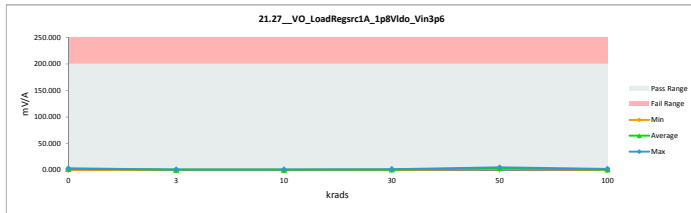


TID 100krad LDR Report
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21_27_VO_LoadResrc1A_1p8V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.917	1.917	0.000
3	A79_Biased	1.321	1.546	-0.225
3	A80_Biased	1.515	1.082	0.433
3	B1_Biased	1.334	1.388	-0.054
3	B2_Biased	0.538	0.538	0.000
3	C1_Biased	1.192	1.234	-0.042
3	A82_Unbiased	1.444	0.830	0.614
3	A83_Unbiased	1.631	1.246	0.385
3	B4_Unbiased	0.796	0.809	-0.013
3	B5_Unbiased	1.389	1.370	0.019
3	C2_Unbiased	1.472	1.390	0.082
10	A85_Biased	1.353	0.881	0.472
10	A86_Biased	1.838	1.238	0.570
10	B6_Biased	1.082	1.389	-0.307
10	C3_Biased	0.902	1.149	-0.247
10	C4_Biased	0.989	1.271	-0.282
10	A87_Unbiased	1.516	1.614	-0.098
10	A88_Unbiased	0.728	0.678	0.050
10	B7_Unbiased	1.603	1.666	-0.063
10	C5_Unbiased	1.440	1.486	-0.046
10	C6_Unbiased	1.528	1.561	-0.033
0	106_Corr	1.099	1.099	0.000
30	A89_Biased	0.764	1.006	-0.242
30	B8_Biased	1.146	1.415	-0.269
30	B9_Biased	1.248	1.436	-0.188
30	C7_Biased	1.777	2.044	-0.267
30	C9_Biased	0.887	1.192	-0.305
30	A90_Unbiased	0.903	1.015	-0.112
30	B10_Unbiased	2.747	1.811	0.936
30	B11_Unbiased	0.793	1.159	-0.366
30	C11_Unbiased	1.841	2.147	-0.306
30	C12_Unbiased	1.230	1.501	-0.271
0	106_Corr	3.772	3.772	0.000
0	15B_Corr	3.119	3.119	0.000
50	A92_Biased	1.635	4.157	-2.522
50	A93_Biased	0.995	3.328	-2.333
50	B12_Biased	0.874	3.993	-3.119
50	B13_Biased	1.026	5.416	-4.390
50	C14_Biased	1.139	4.388	-3.249
50	A95_Unbiased	4.070	4.070	-2.748
50	A96_Unbiased	1.310	3.993	-2.683
50	B15_Unbiased	0.326	2.541	-2.215
50	B16_Unbiased	0.369	3.999	-3.630
50	C15_Unbiased	0.796	3.594	-2.798
0	106_Corr	1.099	3.222	-2.222
100	A97_Biased	1.019	1.833	-0.814
100	A99_Biased	0.464	0.987	-0.523
100	A100_Biased	1.673	1.913	-0.240
100	A101_Biased	0.955	1.509	-0.554
100	A102_Biased	0.893	1.811	-0.918
100	A104_Biased	0.951	1.823	-0.872
100	A105_Biased	0.726	1.466	-0.740
100	B17_Biased	0.917	1.440	-0.523
100	B18_Biased	0.029	0.797	-0.768
100	B19_Biased	1.193	1.785	-0.592
100	B20_Biased	0.740	1.734	-0.994
100	B21_Biased	0.438	1.202	-0.764
100	B24_Biased	1.103	1.763	-0.660
100	B25_Biased	0.653	1.217	-0.564
100	B26_Biased	0.775	1.055	-0.280
100	C16_Biased	0.743	1.805	-1.062
100	C17_Biased	1.134	1.812	-0.678
100	C18_Biased	0.242	2.057	-1.815
100	C19_Biased	1.295	2.403	-1.108
100	C25_Biased	0.965	1.431	-0.466
100	C26_Biased	0.850	1.800	-0.950
100	C31_Biased	1.568	1.992	-0.424
100	A107_Unbiased	1.989	2.230	-0.241
100	A108_Unbiased	2.141	1.923	0.218
100	A109_Unbiased	1.288	1.205	0.083
100	A110_Unbiased	0.818	1.459	-0.641
100	A111_Unbiased	0.932	1.590	-0.658
100	A112_Unbiased	1.009	1.253	-0.244
100	A113_Unbiased	1.249	1.999	-0.750
100	B27_Unbiased	0.535	0.777	-0.242
100	B29_Unbiased	0.836	1.061	-0.225
100	B30_Unbiased	0.426	0.843	-0.417
100	B31_Unbiased	0.901	1.415	-0.514
100	B32_Unbiased	3.535	1.606	1.929
100	B33_Unbiased	1.362	1.671	-0.309
100	B34_Unbiased	3.674	1.266	2.408
100	B35_Unbiased	0.783	1.017	-0.234
100	C32_Unbiased	1.287	1.812	-0.525
100	C33_Unbiased	1.147	1.488	-0.341
100	C34_Unbiased	0.891	1.346	-0.455
100	C35_Unbiased	0.879	1.333	-0.454
100	C36_Unbiased	2.299	2.285	0.014
100	C37_Unbiased	1.756	2.777	-1.021
100	C38_Unbiased	1.079	1.517	-0.438
	Max	3.772	5.416	2.408
	Average	1.234	1.512	-0.578
	Min	0.029	0.538	-4.390
	Std Dev	0.680	0.960	1.059

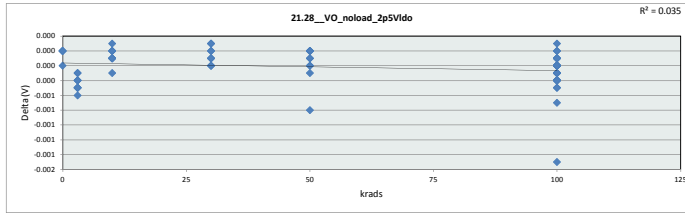


21_27_VO_LoadResrc1A_1p8V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.099	0.538	0.678	1.006	2.541	0.777
Average	2.646	1.143	1.293	1.473	3.948	1.580
Max	3.772	1.546	1.666	2.147	5.416	2.777
UL	200.000	200.000	200.000	200.000	200.000	200.000

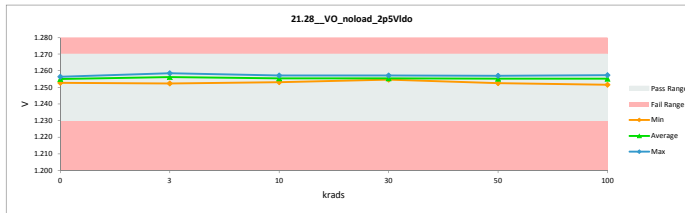


TID 100krad LDR Report
TPS7H3301-SP

21.28_VO_noload_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.27	1.27		
Min Limit	1.23	1.23		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.256	1.256	0.000
3	A79_Biased	1.258	1.259	0.000
3	A80_Biased	1.256	1.257	-0.001
3	B1_Biased	1.257	1.257	0.000
3	B2_Biased	1.252	1.252	0.000
3	C1_Biased	1.255	1.255	0.000
3	A82_Unbiased	1.256	1.257	-0.001
3	A83_Unbiased	1.257	1.258	0.000
3	B4_Unbiased	1.255	1.255	0.000
3	B5_Unbiased	1.255	1.256	0.000
3	C2_Unbiased	1.257	1.257	0.000
10	A85_Biased	1.253	1.253	0.000
10	A86_Biased	1.255	1.255	0.000
10	B6_Biased	1.257	1.257	0.000
10	C3_Biased	1.255	1.255	0.000
10	C4_Biased	1.257	1.257	0.000
10	A87_Unbiased	1.254	1.254	0.000
10	A88_Unbiased	1.257	1.257	0.000
10	B7_Unbiased	1.255	1.255	0.000
10	C5_Unbiased	1.257	1.257	0.000
10	C6_Unbiased	1.254	1.254	0.000
0	106_Corr	1.255	1.255	0.000
30	A89_Biased	1.255	1.255	0.000
30	B8_Biased	1.257	1.257	0.000
30	B9_Biased	1.254	1.255	0.000
30	C7_Biased	1.255	1.255	0.000
30	C9_Biased	1.255	1.255	0.000
30	A90_Unbiased	1.256	1.256	0.000
30	B10_Unbiased	1.255	1.255	0.000
30	B11_Unbiased	1.256	1.256	0.000
30	C11_Unbiased	1.255	1.255	0.000
30	C12_Unbiased	1.255	1.255	0.000
0	106_Corr	1.255	1.255	0.000
0	15B_Corr	1.253	1.253	0.000
50	A92_Biased	1.257	1.257	0.000
50	A93_Biased	1.256	1.256	0.000
50	B12_Biased	1.254	1.254	0.000
50	B13_Biased	1.255	1.255	0.000
50	C14_Biased	1.255	1.255	0.000
50	A95_Unbiased	1.253	1.253	0.000
50	A96_Unbiased	1.256	1.256	0.000
50	B15_Unbiased	1.256	1.256	0.000
50	B16_Unbiased	1.254	1.254	0.000
50	C15_Unbiased	1.256	1.257	-0.001
0	106_Corr	1.255	1.255	0.000
100	A97_Biased	1.255	1.255	0.000
100	A99_Biased	1.255	1.256	0.000
100	A100_Biased	1.252	1.253	0.000
100	A101_Biased	1.256	1.256	0.000
100	A102_Biased	1.256	1.257	0.000
100	A104_Biased	1.256	1.256	0.000
100	A105_Biased	1.253	1.254	0.000
100	B17_Biased	1.255	1.256	0.000
100	B18_Biased	1.251	1.252	0.000
100	B19_Biased	1.254	1.254	0.000
100	B20_Biased	1.256	1.256	0.000
100	B21_Biased	1.255	1.256	0.000
100	B24_Biased	1.253	1.254	0.000
100	B25_Biased	1.254	1.254	0.000
100	B26_Biased	1.252	1.253	0.000
100	C16_Biased	1.256	1.257	0.000
100	C17_Biased	1.255	1.255	0.000
100	C18_Biased	1.256	1.257	-0.001
100	C19_Biased	1.255	1.255	0.000
100	C25_Biased	1.255	1.255	0.000
100	C26_Biased	1.255	1.256	0.000
100	C31_Biased	1.257	1.257	0.000
100	A107_Unbiased	1.256	1.256	0.000
100	A108_Unbiased	1.255	1.256	0.000
100	A109_Unbiased	1.256	1.257	0.000
100	A110_Unbiased	1.256	1.256	0.000
100	A111_Unbiased	1.255	1.255	0.000
100	A112_Unbiased	1.256	1.257	0.000
100	A113_Unbiased	1.257	1.257	0.000
100	B27_Unbiased	1.253	1.255	-0.002
100	B29_Unbiased	1.256	1.256	0.000
100	B30_Unbiased	1.254	1.254	0.000
100	B31_Unbiased	1.255	1.256	0.000
100	B32_Unbiased	1.256	1.256	0.000
100	B33_Unbiased	1.254	1.254	0.000
100	B34_Unbiased	1.254	1.254	0.000
100	B35_Unbiased	1.253	1.253	0.000
100	C32_Unbiased	1.254	1.254	0.000
100	C33_Unbiased	1.255	1.256	0.000
100	C34_Unbiased	1.255	1.255	0.000
100	C35_Unbiased	1.254	1.254	0.000
100	C36_Unbiased	1.256	1.257	0.000
100	C37_Unbiased	1.254	1.254	0.000
100	C38_Unbiased	1.255	1.256	0.000
	Max	1.258	1.259	0.000
	Average	1.255	1.255	0.000
	Min	1.251	1.252	-0.002
	Std Dev	0.001	0.001	0.000



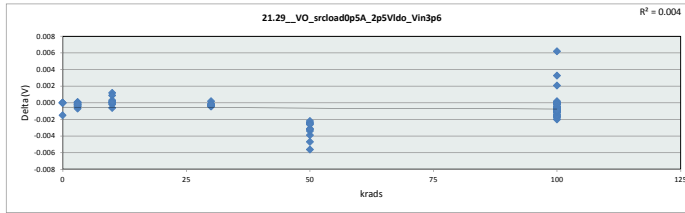
21.28_VO_noload_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.27 V					
Min Limit	1.23 V					
Krads	0	3	10	30	50	100
LL	1.230	1.230	1.230	1.230	1.230	1.230
Min	1.253	1.252	1.253	1.255	1.253	1.252
Average	1.255	1.256	1.255	1.255	1.255	1.255
Max	1.256	1.259	1.257	1.257	1.257	1.257
UL	1.270	1.270	1.270	1.270	1.270	1.270



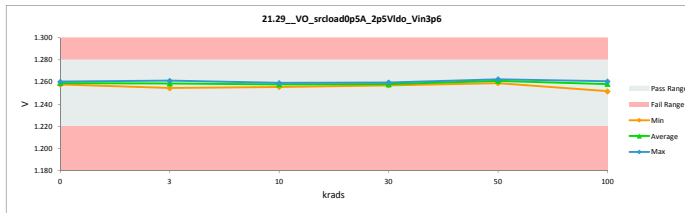
TID 100krad LDR Report
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21.29_VO_srcloadOp5A_2p5VId			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	1.28	1.28	
Min Limit	1.22	1.22	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.260	1.260	0.000
3	A79_Biased	1.261	1.261	0.000
3	A80_Biased	1.259	1.259	0.000
3	B1_Biased	1.259	1.260	-0.001
3	B2_Biased	1.254	1.255	0.000
3	C1_Biased	1.258	1.258	0.000
3	A82_Unbiased	1.259	1.259	0.000
3	A83_Unbiased	1.260	1.260	0.000
3	B4_Unbiased	1.257	1.258	0.000
3	B5_Unbiased	1.258	1.258	0.000
3	C2_Unbiased	1.260	1.260	0.000
10	A85_Biased	1.257	1.256	0.001
10	A86_Biased	1.259	1.258	0.001
10	B6_Biased	1.260	1.259	0.000
10	C3_Biased	1.258	1.258	-0.001
10	C4_Biased	1.259	1.259	0.000
10	A87_Unbiased	1.257	1.257	0.000
10	A88_Unbiased	1.259	1.259	0.000
10	B7_Unbiased	1.258	1.258	0.000
10	C5_Unbiased	1.259	1.259	0.000
10	C6_Unbiased	1.257	1.256	0.000
0	106_Corr	1.258	1.258	0.000
30	A89_Biased	1.257	1.257	0.000
30	B8_Biased	1.259	1.260	0.000
30	B9_Biased	1.257	1.257	0.000
30	C7_Biased	1.258	1.258	0.000
30	C9_Biased	1.257	1.257	0.000
30	A90_Unbiased	1.259	1.259	0.000
30	B10_Unbiased	1.257	1.257	0.000
30	B11_Unbiased	1.258	1.259	0.000
30	C11_Unbiased	1.258	1.258	0.000
30	C12_Unbiased	1.258	1.258	0.000
0	106_Corr	1.260	1.260	0.000
0	15B_Corr	1.258	1.258	0.000
50	A92_Biased	1.259	1.262	-0.003
50	A93_Biased	1.258	1.261	-0.002
50	B12_Biased	1.257	1.260	-0.004
50	B13_Biased	1.257	1.263	-0.006
50	C14_Biased	1.258	1.261	-0.003
50	A95_Unbiased	1.256	1.259	-0.003
50	A96_Unbiased	1.258	1.261	-0.003
50	B15_Unbiased	1.258	1.261	-0.002
50	B16_Unbiased	1.257	1.261	-0.005
50	C15_Unbiased	1.260	1.262	-0.003
0	106_Corr	1.258	1.258	-0.002
100	A97_Biased	1.257	1.258	-0.001
100	A99_Biased	1.258	1.259	-0.001
100	A100_Biased	1.255	1.256	-0.001
100	A101_Biased	1.258	1.259	-0.001
100	A102_Biased	1.259	1.260	-0.001
100	A104_Biased	1.258	1.259	-0.001
100	A105_Biased	1.256	1.257	-0.001
100	B17_Biased	1.258	1.259	-0.001
100	B18_Biased	1.253	1.255	-0.002
100	B19_Biased	1.256	1.258	-0.001
100	B20_Biased	1.258	1.259	-0.001
100	B21_Biased	1.258	1.259	-0.001
100	B24_Biased	1.256	1.257	-0.001
100	B25_Biased	1.257	1.257	0.000
100	B26_Biased	1.254	1.255	0.000
100	C16_Biased	1.260	1.260	0.000
100	C17_Biased	1.258	1.259	-0.001
100	C18_Biased	1.259	1.261	-0.002
100	C19_Biased	1.258	1.259	-0.002
100	C25_Biased	1.257	1.258	-0.001
100	C26_Biased	1.258	1.260	-0.002
100	C31_Biased	1.260	1.260	0.000
100	A107_Unbiased	1.259	1.260	-0.001
100	A108_Unbiased	1.259	1.259	0.000
100	A109_Unbiased	1.259	1.259	0.000
100	A110_Unbiased	1.259	1.259	-0.001
100	A111_Unbiased	1.258	1.252	0.006
100	A112_Unbiased	1.259	1.261	-0.002
100	A113_Unbiased	1.259	1.260	-0.001
100	B27_Unbiased	1.255	1.256	0.000
100	B29_Unbiased	1.258	1.258	0.000
100	B30_Unbiased	1.256	1.257	-0.001
100	B31_Unbiased	1.258	1.258	0.000
100	B32_Unbiased	1.260	1.258	0.002
100	B33_Unbiased	1.257	1.257	0.000
100	B34_Unbiased	1.260	1.257	0.003
100	B35_Unbiased	1.256	1.256	0.000
100	C32_Unbiased	1.257	1.258	-0.001
100	C33_Unbiased	1.258	1.258	0.000
100	C34_Unbiased	1.257	1.258	-0.001
100	C35_Unbiased	1.257	1.257	-0.001
100	C36_Unbiased	1.259	1.260	-0.001
100	C37_Unbiased	1.257	1.258	-0.001
100	C38_Unbiased	1.258	1.259	-0.001
	Max	1.261	1.263	0.006
	Average	1.258	1.259	-0.001
	Min	1.253	1.252	-0.006
	Std Dev	0.001	0.002	0.001

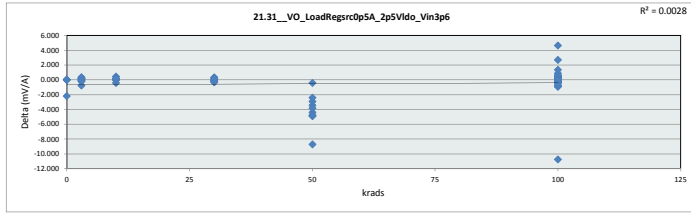


21.29_VO_srcloadOp5A_2p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.28 V					
Min Limit	1.22 V					
krads	0	3	10	30	50	100
LL	1.220	1.220	1.220	1.220	1.220	1.220
Min	1.258	1.255	1.256	1.257	1.259	1.252
Average	1.259	1.259	1.258	1.258	1.261	1.258
Max	1.260	1.261	1.259	1.260	1.263	1.261
UL	1.280	1.280	1.280	1.280	1.280	1.280

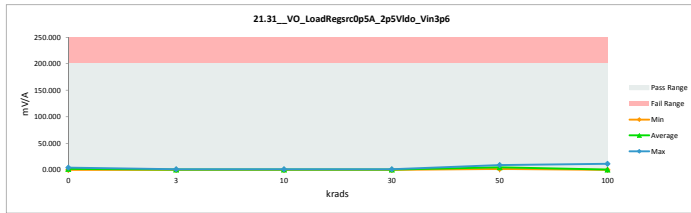


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21.31_VO_LoadRegsrcOp5A_2p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.296	0.296	0.000
3	A79_Biased	0.287	0.496	-0.209
3	A80_Biased	0.330	0.082	0.248
3	B1_Biased	0.414	1.180	-0.766
3	B2_Biased	0.670	0.650	0.020
3	C1_Biased	0.079	0.102	-0.023
3	A82_Unbiased	0.396	0.210	0.186
3	A83_Unbiased	0.165	0.006	0.159
3	B4_Unbiased	0.775	0.617	0.158
3	B5_Unbiased	0.618	0.242	0.376
3	C2_Unbiased	0.497	0.628	-0.131
10	A85_Biased	0.128	0.557	-0.429
10	A86_Biased	0.351	0.154	0.195
10	B6_Biased	0.465	0.427	0.038
10	C3_Biased	0.474	0.023	0.451
10	C4_Biased	0.036	0.083	-0.047
10	A87_Unbiased	0.581	0.534	0.047
10	A88_Unbiased	0.532	0.395	0.137
10	B7_Unbiased	0.309	0.220	0.089
10	C5_Unbiased	0.589	0.450	0.139
10	C6_Unbiased	1.127	0.977	0.150
0	106_Corr	0.008	0.008	0.000
30	A89_Biased	0.404	0.087	0.317
30	B8_Biased	0.050	0.183	-0.133
30	B9_Biased	0.144	0.402	-0.258
30	C7_Biased	1.031	1.206	-0.174
30	C9_Biased	0.063	0.068	-0.295
30	A90_Unbiased	0.082	0.097	-0.015
30	B10_Unbiased	0.897	1.060	-0.163
30	B11_Unbiased	0.104	0.005	0.099
30	C11_Unbiased	0.902	0.905	-0.323
30	C12_Unbiased	0.157	0.030	0.127
0	106_Corr	4.000	4.000	0.000
0	15B_Corr	2.839	2.839	0.000
50	A92_Biased	0.710	4.158	-3.448
50	A93_Biased	0.197	3.144	-2.947
50	B12_Biased	0.467	4.864	-4.397
50	B13_Biased	0.089	8.800	-8.711
50	C14_Biased	0.331	5.138	-4.807
50	A95_Unbiased	0.101	5.037	-4.936
50	A96_Unbiased	0.370	4.214	-3.844
50	B15_Unbiased	1.164	1.570	-0.406
50	B16_Unbiased	0.573	5.359	-4.786
50	C15_Unbiased	1.164	3.563	-2.399
0	106_Corr	0.008	2.202	-2.194
100	A97_Biased	0.126	0.534	-0.408
100	A99_Biased	0.909	0.344	0.565
100	A100_Biased	0.141	0.162	-0.021
100	A101_Biased	0.309	0.120	0.189
100	A102_Biased	0.229	0.326	-0.097
100	A104_Biased	0.243	0.199	0.044
100	A105_Biased	0.593	0.174	0.419
100	B17_Biased	0.340	0.683	-0.343
100	B18_Biased	1.551	0.673	0.878
100	B19_Biased	0.265	0.683	-0.418
100	B20_Biased	0.437	0.195	0.242
100	B21_Biased	1.068	0.579	0.489
100	B24_Biased	0.076	0.046	0.030
100	B25_Biased	0.299	0.482	-0.183
100	B26_Biased	0.084	0.277	-0.193
100	C16_Biased	1.565	0.210	1.355
100	C17_Biased	0.272	0.509	-0.237
100	C18_Biased	0.101	1.023	-0.922
100	C19_Biased	0.406	1.250	-0.844
100	C25_Biased	0.238	0.192	0.046
100	C26_Biased	0.452	0.617	-0.165
100	C31_Biased	0.725	0.808	-0.080
100	A107_Unbiased	0.633	1.438	-0.805
100	A108_Unbiased	0.723	0.103	0.620
100	A109_Unbiased	0.720	0.647	0.073
100	A110_Unbiased	0.489	0.445	0.044
100	A111_Unbiased	0.725	11.480	-10.755
100	A112_Unbiased	0.424	0.481	-0.057
100	A113_Unbiased	0.395	0.353	0.042
100	B27_Unbiased	0.853	0.565	0.288
100	B29_Unbiased	0.273	0.255	0.018
100	B30_Unbiased	0.933	0.633	0.300
100	B31_Unbiased	0.056	0.015	0.041
100	B32_Unbiased	3.094	0.385	2.709
100	B33_Unbiased	0.599	0.643	-0.044
100	B34_Unbiased	4.631	0.002	4.629
100	B35_Unbiased	0.480	0.299	0.181
100	C32_Unbiased	0.468	0.547	-0.079
100	C33_Unbiased	0.383	0.298	0.085
100	C34_Unbiased	0.080	0.144	-0.064
100	C35_Unbiased	0.233	0.138	0.095
100	C36_Unbiased	0.978	1.702	-0.724
100	C37_Unbiased	0.874	0.758	0.116
100	C38_Unbiased	0.224	0.219	0.005
	Max	4.631	11.480	4.629
	Average	0.603	1.111	-0.508
	Min	0.008	0.002	-10.755
	Std Dev	0.758	1.896	1.973

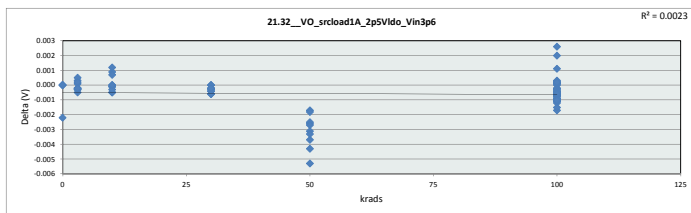


21.31_VO_LoadRegsrcOp5A_2p5VIdo_Vin3p6						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.008	0.006	0.023	0.005	1.570	0.002
Average	1.869	0.421	0.382	0.404	4.585	0.718
Max	4.000	1.180	0.977	1.205	8.800	11.480
UL	200.000	200.000	200.000	200.000	200.000	200.000

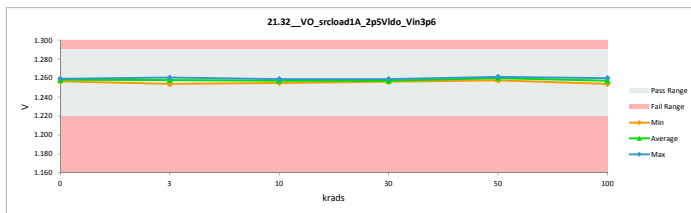


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21.32_VO_srcload1A_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.29	1.29		
Min Limit	1.22	1.22		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.258	1.258	0.000
3	A79_Biased	1.260	1.260	-0.001
3	A80_Biased	1.259	1.258	0.000
3	B1_Biased	1.258	1.258	0.000
3	B2_Biased	1.254	1.254	0.000
3	C1_Biased	1.257	1.257	0.000
3	A82_Unbiased	1.258	1.258	0.000
3	A83_Unbiased	1.260	1.260	0.000
3	B4_Unbiased	1.257	1.257	0.000
3	B5_Unbiased	1.257	1.257	0.000
3	C2_Unbiased	1.259	1.259	0.000
10	A85_Biased	1.256	1.255	0.001
10	A86_Biased	1.258	1.257	0.001
10	B6_Biased	1.258	1.259	-0.001
10	C3_Biased	1.257	1.257	0.000
10	C4_Biased	1.259	1.258	0.001
10	A87_Unbiased	1.256	1.256	0.000
10	A88_Unbiased	1.258	1.258	0.000
10	B7_Unbiased	1.257	1.257	0.000
10	C5_Unbiased	1.258	1.258	0.000
10	C6_Unbiased	1.255	1.255	0.000
0	106_Corr	1.257	1.257	0.000
30	A89_Biased	1.256	1.256	0.000
30	B8_Biased	1.259	1.259	0.000
30	B9_Biased	1.256	1.256	0.000
30	C7_Biased	1.257	1.257	0.000
30	C9_Biased	1.256	1.256	-0.001
30	A90_Unbiased	1.258	1.258	0.000
30	B10_Unbiased	1.256	1.256	0.000
30	B11_Unbiased	1.258	1.258	0.000
30	C11_Unbiased	1.258	1.258	0.000
30	C12_Unbiased	1.257	1.257	-0.001
0	106_Corr	1.259	1.259	0.000
0	158_Corr	1.257	1.257	0.000
50	A92_Biased	1.258	1.261	-0.003
50	A93_Biased	1.258	1.260	-0.002
50	B12_Biased	1.256	1.259	-0.004
50	B13_Biased	1.256	1.261	-0.005
50	C14_Biased	1.257	1.260	-0.003
50	A95_Unbiased	1.255	1.258	-0.003
50	A96_Unbiased	1.258	1.260	-0.003
50	B15_Unbiased	1.258	1.260	-0.002
50	B16_Unbiased	1.256	1.260	-0.004
50	C15_Unbiased	1.258	1.261	-0.003
0	106_Corr	1.257	1.259	-0.002
100	A97_Biased	1.256	1.257	-0.001
100	A99_Biased	1.257	1.258	-0.001
100	A100_Biased	1.255	1.254	0.000
100	A101_Biased	1.258	1.259	-0.001
100	A102_Biased	1.258	1.258	-0.001
100	A104_Biased	1.257	1.258	-0.001
100	A105_Biased	1.255	1.255	0.000
100	B17_Biased	1.257	1.258	0.000
100	B18_Biased	1.253	1.254	-0.002
100	B19_Biased	1.255	1.256	0.000
100	B20_Biased	1.257	1.258	-0.001
100	B21_Biased	1.257	1.258	-0.001
100	B24_Biased	1.255	1.256	-0.001
100	B25_Biased	1.256	1.256	0.000
100	B26_Biased	1.253	1.254	-0.001
100	C16_Biased	1.258	1.259	-0.001
100	C17_Biased	1.257	1.258	0.000
100	C18_Biased	1.258	1.260	-0.001
100	C19_Biased	1.257	1.258	-0.001
100	C25_Biased	1.257	1.257	-0.001
100	C26_Biased	1.257	1.258	-0.001
100	C31_Biased	1.259	1.260	-0.001
100	A107_Unbiased	1.259	1.258	0.000
100	A108_Unbiased	1.258	1.258	0.000
100	A109_Unbiased	1.258	1.258	0.000
100	A110_Unbiased	1.258	1.258	0.000
100	A111_Unbiased	1.258	1.257	0.000
100	A112_Unbiased	1.258	1.259	-0.001
100	A113_Unbiased	1.259	1.259	0.000
100	B27_Unbiased	1.255	1.255	0.000
100	B29_Unbiased	1.257	1.257	0.000
100	B30_Unbiased	1.256	1.256	0.000
100	B31_Unbiased	1.257	1.258	-0.001
100	B32_Unbiased	1.260	1.258	0.002
100	B33_Unbiased	1.257	1.255	0.001
100	B34_Unbiased	1.259	1.256	0.003
100	B35_Unbiased	1.255	1.255	0.000
100	C32_Unbiased	1.256	1.257	-0.001
100	C33_Unbiased	1.257	1.258	-0.001
100	C34_Unbiased	1.257	1.257	-0.001
100	C35_Unbiased	1.256	1.256	0.000
100	C36_Unbiased	1.259	1.259	0.000
100	C37_Unbiased	1.256	1.257	-0.001
100	C38_Unbiased	1.257	1.258	-0.001
	Max	1.260	1.261	0.003
	Average	1.257	1.258	-0.001
	Min	1.253	1.254	-0.005
	Std Dev	0.001	0.002	0.001

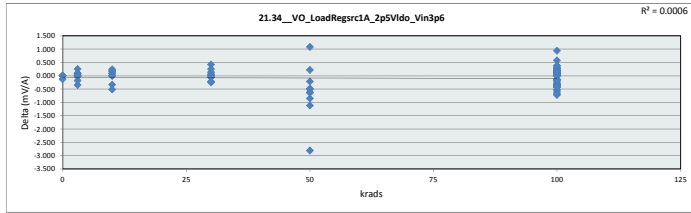


21.32_VO_srcload1A_2p5VIdo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.29	V				
Min Limit	1.22	V				
Krads	0	3	10	30	50	100
LL	1.220	1.220	1.220	1.220	1.220	1.220
Min	1.257	1.254	1.255	1.256	1.258	1.254
Average	1.258	1.258	1.257	1.257	1.260	1.257
Max	1.259	1.260	1.259	1.259	1.261	1.260
UL	1.290	1.290	1.290	1.290	1.290	1.290

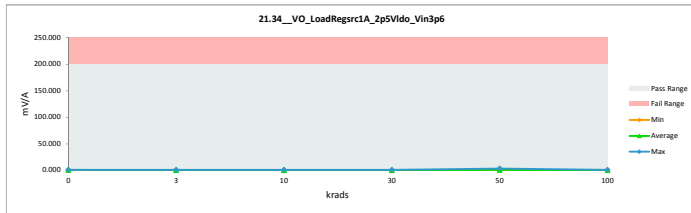


TID 100krad LDR Report
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21.34_VO_LoadResrc1A_2p5V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.144	1.144	0.000
3	A79_Biased	0.601	0.347	0.254
3	A80_Biased	0.564	0.549	0.015
3	B1_Biased	0.410	0.312	0.098
3	B2_Biased	0.993	0.977	0.016
3	C1_Biased	0.638	0.552	0.086
3	A82_Unbiased	0.661	0.841	-0.180
3	A83_Unbiased	0.541	0.581	-0.020
3	B4_Unbiased	0.904	0.829	0.075
3	B5_Unbiased	0.432	0.773	-0.341
3	C2_Unbiased	0.318	0.302	0.016
10	A85_Biased	0.847	0.828	0.019
10	A86_Biased	0.383	0.715	-0.332
10	B6_Biased	0.661	0.489	0.172
10	C3_Biased	0.873	0.672	0.201
10	C4_Biased	0.086	0.596	-0.510
10	A87_Unbiased	0.343	0.252	0.091
10	A88_Unbiased	0.917	0.814	0.103
10	B7_Unbiased	0.185	0.179	0.006
10	C5_Unbiased	0.411	0.169	0.242
10	C6_Unbiased	0.236	0.233	0.003
0	106_Corr	0.774	0.774	0.000
30	A89_Biased	0.782	0.838	-0.056
30	B8_Biased	0.488	0.351	0.137
30	B9_Biased	0.527	0.776	-0.249
30	C7_Biased	0.184	0.121	0.063
30	C9_Biased	1.097	0.666	0.431
30	A90_Unbiased	0.621	0.619	0.002
30	B10_Unbiased	0.179	0.391	-0.212
30	B11_Unbiased	0.732	0.689	0.043
30	C11_Unbiased	0.050	-0.047	0.100
30	C12_Unbiased	0.633	0.377	0.256
0	106_Corr	1.112	1.112	0.000
0	15B_Corr	0.421	0.421	0.000
50	A92_Biased	0.672	1.150	-0.478
50	A93_Biased	0.668	0.444	0.224
50	B12_Biased	0.984	1.487	-0.503
50	B13_Biased	0.653	3.464	-2.811
50	C14_Biased	0.529	1.639	-1.110
50	A95_Unbiased	0.179	1.295	-0.616
50	A96_Unbiased	0.429	1.273	-0.844
50	B15_Unbiased	1.086	0.000	1.086
50	B16_Unbiased	0.959	1.587	-0.628
50	C15_Unbiased	0.758	0.970	-0.212
0	106_Corr	0.774	0.774	0.000
100	A97_Biased	0.666	0.348	0.318
100	A99_Biased	0.990	0.999	-0.009
100	A100_Biased	0.549	1.159	-0.610
100	A101_Biased	0.698	0.203	0.495
100	A102_Biased	0.725	0.682	0.043
100	A104_Biased	0.724	1.097	-0.373
100	A105_Biased	1.001	1.315	-0.314
100	B17_Biased	0.755	1.070	-0.315
100	B18_Biased	1.409	1.265	0.144
100	B19_Biased	0.556	1.077	-0.521
100	B20_Biased	0.813	0.421	0.392
100	B21_Biased	1.098	1.027	0.071
100	B24_Biased	0.657	0.455	0.202
100	B25_Biased	0.887	0.887	0.000
100	B26_Biased	0.834	0.702	0.132
100	C16_Biased	0.768	0.559	0.209
100	C17_Biased	0.498	0.840	-0.342
100	C18_Biased	0.558	0.269	0.289
100	C19_Biased	0.436	0.581	-0.145
100	C25_Biased	0.629	0.374	0.255
100	C26_Biased	0.810	1.224	-0.414
100	C31_Biased	0.209	0.096	0.113
100	A107_Unbiased	0.059	0.347	-0.288
100	A108_Unbiased	0.256	0.572	-0.316
100	A109_Unbiased	0.853	1.075	-0.222
100	A110_Unbiased	0.663	1.183	-0.520
100	A111_Unbiased	0.575	1.294	-0.719
100	A112_Unbiased	0.705	0.836	-0.131
100	A113_Unbiased	0.217	0.637	-0.420
100	B27_Unbiased	1.034	1.030	0.004
100	B29_Unbiased	0.775	0.656	0.119
100	B30_Unbiased	1.055	0.995	0.060
100	B31_Unbiased	0.656	0.278	0.378
100	B32_Unbiased	1.128	0.187	0.941
100	B33_Unbiased	0.225	0.909	-0.684
100	B34_Unbiased	1.160	0.579	0.581
100	B35_Unbiased	0.828	0.991	-0.163
100	C32_Unbiased	0.408	0.561	-0.153
100	C33_Unbiased	0.485	0.269	0.216
100	C34_Unbiased	0.690	0.540	0.150
100	C35_Unbiased	0.554	0.940	-0.406
100	C36_Unbiased	0.149	0.051	0.098
100	C37_Unbiased	0.051	0.477	-0.426
100	C38_Unbiased	0.660	0.540	0.120
	Max	1.409	3.464	1.086
	Average	0.645	0.735	-0.090
	Min	0.003	0.000	-2.811
	Std Dev	0.294	0.476	0.455

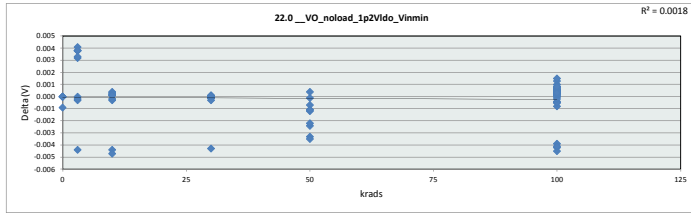


21.34_VO_LoadResrc1A_2p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	LL	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.421	0.302	0.169	0.050	0.444	0.051
Average	0.870	0.606	0.495	0.488	1.331	0.723
Max	1.144	0.977	0.828	0.838	3.464	1.315
UL	200.000	200.000	200.000	200.000	200.000	200.000

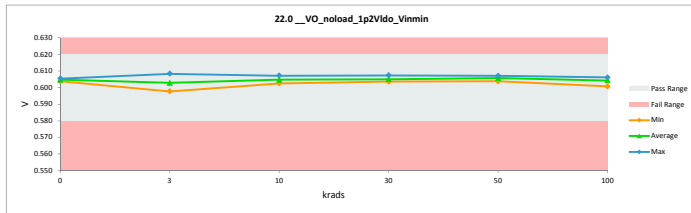


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22.0_VO_noload_1p2Vldo_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.58	0.58		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.605	0.605	0.000
3	A79_Biased	0.604	0.608	-0.004
3	A80_Biased	0.606	0.603	0.003
3	B1_Biased	0.607	0.603	0.004
3	B2_Biased	0.598	0.598	0.000
3	C1_Biased	0.605	0.601	0.004
3	A82_Unbiased	0.606	0.602	0.004
3	A83_Unbiased	0.607	0.608	0.000
3	B4_Unbiased	0.601	0.601	0.000
3	B5_Unbiased	0.605	0.601	0.004
3	C2_Unbiased	0.606	0.603	0.003
10	A85_Biased	0.603	0.603	0.000
10	A86_Biased	0.605	0.606	0.000
10	B6_Biased	0.603	0.607	-0.004
10	C3_Biased	0.603	0.603	0.000
10	C4_Biased	0.606	0.606	0.000
10	A87_Unbiased	0.605	0.605	0.000
10	A88_Unbiased	0.603	0.603	0.000
10	B7_Unbiased	0.605	0.605	0.000
10	C5_Unbiased	0.602	0.607	-0.005
10	C6_Unbiased	0.604	0.603	0.000
0	106_Corr	0.604	0.604	0.000
30	A89_Biased	0.604	0.604	0.000
30	B8_Biased	0.607	0.607	0.000
30	B9_Biased	0.604	0.604	0.000
30	C7_Biased	0.601	0.605	-0.004
30	C9_Biased	0.604	0.604	0.000
30	A90_Unbiased	0.605	0.605	0.000
30	B10_Unbiased	0.604	0.604	0.000
30	B11_Unbiased	0.605	0.605	0.000
30	C11_Unbiased	0.605	0.605	0.000
30	C12_Unbiased	0.605	0.605	0.000
0	106_Corr	0.605	0.605	0.000
0	15B_Corr	0.604	0.604	0.000
50	A92_Biased	0.606	0.606	0.000
50	A93_Biased	0.602	0.605	-0.003
50	B12_Biased	0.602	0.605	-0.002
50	B13_Biased	0.605	0.607	-0.001
50	C14_Biased	0.604	0.605	-0.001
50	A95_Unbiased	0.601	0.604	-0.002
50	A96_Unbiased	0.605	0.606	-0.001
50	B15_Unbiased	0.606	0.606	0.000
50	B16_Unbiased	0.602	0.606	-0.003
50	C15_Unbiased	0.606	0.607	-0.001
0	106_Corr	0.604	0.605	-0.001
100	A97_Biased	0.602	0.603	-0.001
100	A99_Biased	0.606	0.605	0.001
100	A100_Biased	0.601	0.601	0.000
100	A101_Biased	0.606	0.606	0.000
100	A102_Biased	0.605	0.604	0.001
100	A104_Biased	0.605	0.605	0.000
100	A105_Biased	0.604	0.603	0.001
100	B17_Biased	0.601	0.605	-0.004
100	B18_Biased	0.602	0.602	0.000
100	B19_Biased	0.602	0.603	-0.001
100	B20_Biased	0.607	0.606	0.001
100	B21_Biased	0.605	0.604	0.000
100	B24_Biased	0.604	0.604	0.000
100	B25_Biased	0.600	0.604	-0.004
100	B26_Biased	0.600	0.601	0.000
100	C16_Biased	0.606	0.606	0.000
100	C17_Biased	0.605	0.604	0.001
100	C18_Biased	0.606	0.606	0.000
100	C19_Biased	0.605	0.604	0.001
100	C25_Biased	0.603	0.604	-0.001
100	C26_Biased	0.605	0.604	0.001
100	C31_Biased	0.607	0.606	0.000
100	A107_Unbiased	0.605	0.605	0.000
100	A108_Unbiased	0.605	0.604	0.000
100	A109_Unbiased	0.606	0.606	0.000
100	A110_Unbiased	0.606	0.605	0.001
100	A111_Unbiased	0.606	0.605	0.001
100	A112_Unbiased	0.606	0.606	0.000
100	A113_Unbiased	0.602	0.606	-0.004
100	B27_Unbiased	0.604	0.603	0.000
100	B29_Unbiased	0.606	0.605	0.001
100	B30_Unbiased	0.606	0.603	0.000
100	B31_Unbiased	0.606	0.605	0.001
100	B32_Unbiased	0.606	0.605	0.001
100	B33_Unbiased	0.604	0.604	0.000
100	B34_Unbiased	0.604	0.603	0.002
100	B35_Unbiased	0.602	0.602	0.000
100	C32_Unbiased	0.603	0.603	0.000
100	C33_Unbiased	0.601	0.605	-0.004
100	C34_Unbiased	0.605	0.604	0.000
100	C35_Unbiased	0.603	0.603	0.000
100	C36_Unbiased	0.606	0.605	0.001
100	C37_Unbiased	0.603	0.603	0.000
100	C38_Unbiased	0.605	0.604	0.000
	Max	0.607	0.608	0.004
	Average	0.604	0.604	0.000
	Min	0.598	0.598	-0.005
	Std Dev	0.002	0.002	0.002

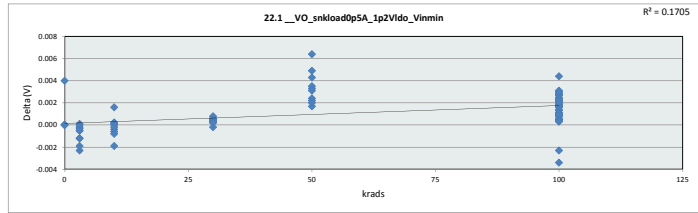


22.0_VO_noload_1p2Vldo_Vi						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.62					
Min Limit	0.58					
Units	0	3	10	30	50	100
LL	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.604	0.598	0.603	0.604	0.604	0.601
Average	0.605	0.603	0.605	0.605	0.606	0.604
Max	0.605	0.608	0.607	0.607	0.607	0.606
UL	0.620	0.620	0.620	0.620	0.620	0.620

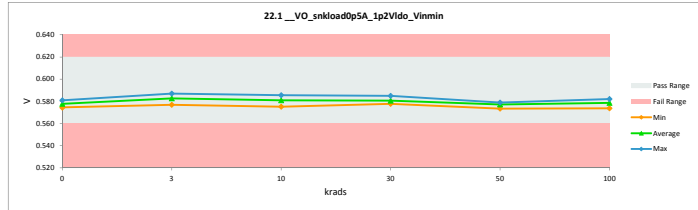


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22.1_VO_snkloadOp5A_1p2VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.56	0.56		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.579	0.579	0.000
3	A79_Biased	0.586	0.587	-0.001
3	A80_Biased	0.580	0.583	-0.002
3	B1_Biased	0.584	0.584	0.000
3	B2_Biased	0.577	0.577	0.000
3	C1_Biased	0.580	0.581	-0.001
3	A82_Unbiased	0.581	0.583	-0.002
3	A83_Unbiased	0.582	0.584	-0.001
3	B4_Unbiased	0.584	0.584	0.000
3	B5_Unbiased	0.583	0.583	0.000
3	C2_Unbiased	0.583	0.584	-0.001
10	A85_Biased	0.575	0.575	-0.001
10	A86_Biased	0.579	0.581	-0.002
10	B6_Biased	0.585	0.583	0.002
10	C3_Biased	0.581	0.581	0.000
10	C4_Biased	0.584	0.584	0.000
10	A87_Unbiased	0.579	0.578	0.000
10	A88_Unbiased	0.585	0.585	-0.001
10	B7_Unbiased	0.581	0.581	0.000
10	C5_Unbiased	0.582	0.583	0.000
10	C6_Unbiased	0.577	0.577	0.000
0	106_Corr	0.581	0.581	0.000
30	A89_Biased	0.579	0.579	0.000
30	B8_Biased	0.586	0.585	0.001
30	B9_Biased	0.580	0.580	0.000
30	C7_Biased	0.580	0.580	0.000
30	C9_Biased	0.579	0.579	0.000
30	A90_Unbiased	0.582	0.581	0.001
30	B10_Unbiased	0.578	0.578	0.001
30	B11_Unbiased	0.582	0.582	0.001
30	C11_Unbiased	0.582	0.581	0.000
30	C12_Unbiased	0.581	0.581	0.000
0	106_Corr	0.577	0.577	0.000
0	15B_Corr	0.574	0.574	0.000
50	A92_Biased	0.582	0.578	0.004
50	A93_Biased	0.584	0.579	0.005
50	B12_Biased	0.578	0.576	0.002
50	B13_Biased	0.580	0.578	0.002
50	C14_Biased	0.580	0.577	0.003
50	A95_Unbiased	0.576	0.573	0.002
50	A96_Unbiased	0.581	0.578	0.003
50	B15_Unbiased	0.584	0.577	0.006
50	B16_Unbiased	0.578	0.576	0.002
50	C15_Unbiased	0.582	0.579	0.003
0	106_Corr	0.581	0.577	0.004
100	A97_Biased	0.579	0.577	0.002
100	A99_Biased	0.581	0.580	0.001
100	A100_Biased	0.575	0.574	0.002
100	A101_Biased	0.583	0.580	0.002
100	A102_Biased	0.583	0.578	0.004
100	A104_Biased	0.582	0.579	0.003
100	A105_Biased	0.577	0.575	0.002
100	B17_Biased	0.583	0.580	0.003
100	B18_Biased	0.576	0.575	0.001
100	B19_Biased	0.577	0.575	0.002
100	B20_Biased	0.583	0.581	0.002
100	B21_Biased	0.581	0.578	0.002
100	B24_Biased	0.579	0.578	0.001
100	B25_Biased	0.581	0.580	0.000
100	B26_Biased	0.577	0.576	0.001
100	C16_Biased	0.582	0.580	0.002
100	C17_Biased	0.581	0.578	0.002
100	C18_Biased	0.582	0.580	0.002
100	C19_Biased	0.581	0.578	0.003
100	C25_Biased	0.581	0.580	0.001
100	C26_Biased	0.581	0.578	0.003
100	C31_Biased	0.584	0.582	0.002
100	A107_Unbiased	0.581	0.579	0.001
100	A108_Unbiased	0.578	0.577	0.001
100	A109_Unbiased	0.580	0.580	0.000
100	A110_Unbiased	0.581	0.579	0.002
100	A111_Unbiased	0.581	0.579	0.002
100	A112_Unbiased	0.582	0.579	0.003
100	A113_Unbiased	0.584	0.581	0.003
100	B27_Unbiased	0.579	0.579	0.001
100	B29_Unbiased	0.582	0.581	0.001
100	B30_Unbiased	0.580	0.579	0.001
100	B31_Unbiased	0.580	0.580	0.001
100	B32_Unbiased	0.577	0.581	-0.003
100	B33_Unbiased	0.580	0.579	0.000
100	B34_Unbiased	0.576	0.578	-0.002
100	B35_Unbiased	0.577	0.576	0.001
100	C32_Unbiased	0.579	0.577	0.002
100	C33_Unbiased	0.582	0.582	0.000
100	C34_Unbiased	0.579	0.578	0.001
100	C35_Unbiased	0.580	0.577	0.002
100	C36_Unbiased	0.583	0.580	0.003
100	C37_Unbiased	0.578	0.576	0.002
100	C38_Unbiased	0.581	0.579	0.002
	Max	0.586	0.587	0.006
	Average	0.580	0.579	0.001
	Min	0.574	0.573	-0.003
	Std Dev	0.003	0.003	0.002

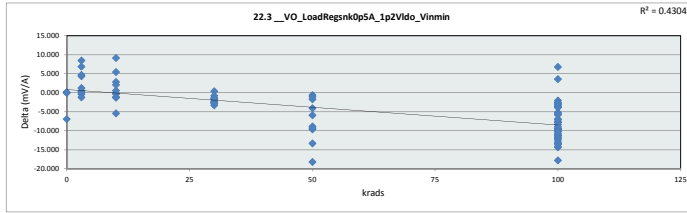


22.1_VO_snkloadOp5A_1p2V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.62 V					
Min Limit	0.56 V					
Krads	LL	3	10	30	50	100
LL	0.560	0.560	0.560	0.560	0.560	0.560
Min	0.574	0.577	0.575	0.578	0.574	0.574
Average	0.578	0.583	0.581	0.581	0.577	0.579
Max	0.581	0.587	0.585	0.585	0.579	0.582
UL	0.620	0.620	0.620	0.620	0.620	0.620

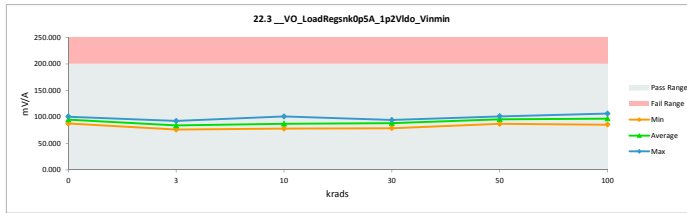


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22.3_VO_LoadRegnsKOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	100.531	100.531	0.000
3	A79_Biased	80.222	75.966	4.256
3	A80_Biased	94.784	86.368	8.416
3	B1_Biased	81.380	81.354	0.026
3	B2_Biased	92.506	92.324	0.182
3	C1_Biased	88.360	87.968	0.392
3	A82_Unbiased	91.530	84.765	6.765
3	A83_Unbiased	90.785	86.160	4.625
3	B4_Unbiased	78.808	79.252	-0.444
3	B5_Unbiased	79.651	80.884	-1.233
3	C2_Unbiased	84.103	82.968	1.135
10	A85_Biased	105.968	100.607	5.361
10	A86_Biased	95.813	86.744	9.069
10	B6_Biased	79.046	84.541	-5.495
10	C3_Biased	87.652	89.017	-1.365
10	C4_Biased	81.484	82.639	-1.155
10	A87_Unbiased	89.328	89.579	-0.251
10	A88_Unbiased	80.430	77.698	2.732
10	B7_Unbiased	83.328	83.644	-0.316
10	C5_Unbiased	85.727	83.742	1.985
10	C6_Unbiased	93.205	92.696	0.509
0	106_Corr	87.565	87.565	0.000
30	A89_Biased	89.285	90.855	-1.570
30	B8_Biased	75.866	78.736	-2.870
30	B9_Biased	85.743	88.027	-2.284
30	C7_Biased	88.031	88.859	-0.828
30	C9_Biased	91.660	91.200	0.360
30	A90_Unbiased	87.926	90.414	-2.488
30	B10_Unbiased	90.929	94.324	-3.395
30	B11_Unbiased	84.379	87.002	-2.623
30	C11_Unbiased	84.376	86.116	-1.740
30	C12_Unbiased	86.538	87.935	-1.397
0	106_Corr	93.695	93.695	0.000
0	15B_Corr	98.505	98.505	0.000
50	A92_Biased	86.082	95.729	-9.647
50	A93_Biased	89.205	93.555	-13.350
50	B12_Biased	94.842	96.645	-1.803
50	B13_Biased	86.151	86.813	-0.662
50	C14_Biased	88.382	94.343	-5.961
50	A95_Unbiased	99.895	99.964	-1.079
50	A96_Unbiased	86.600	95.558	-8.958
50	B15_Unbiased	82.876	101.104	-18.228
50	B16_Unbiased	92.458	96.601	-4.143
50	C15_Unbiased	86.873	96.170	-9.297
0	106_Corr	87.565	87.565	-7.022
100	A97_Biased	92.181	101.856	-9.675
100	A99_Biased	89.115	96.127	-7.012
100	A100_Biased	98.523	106.344	-7.821
100	A101_Biased	82.981	94.138	-11.157
100	A102_Biased	83.279	101.125	-17.846
100	A104_Biased	84.141	98.426	-14.285
100	A105_Biased	96.009	105.739	-9.730
100	B17_Biased	81.986	94.464	-12.478
100	B18_Biased	93.382	101.802	-8.420
100	B19_Biased	93.624	105.658	-12.034
100	B20_Biased	81.993	91.473	-9.480
100	B21_Biased	89.564	100.870	-11.306
100	B24_Biased	86.210	93.917	-7.707
100	B25_Biased	85.901	88.046	-2.145
100	B26_Biased	89.217	92.718	-3.501
100	C16_Biased	86.382	95.796	-9.414
100	C17_Biased	89.136	101.014	-11.878
100	C18_Biased	86.447	96.704	-10.257
100	C19_Biased	86.451	99.795	-13.344
100	C25_Biased	87.184	92.787	-5.603
100	C26_Biased	88.737	102.293	-13.556
100	C31_Biased	83.172	91.009	-7.837
100	A107_Unbiased	89.561	96.703	-7.142
100	A108_Unbiased	98.898	104.079	-5.181
100	A109_Unbiased	92.910	95.520	-2.610
100	A110_Unbiased	90.787	100.999	-10.212
100	A111_Unbiased	89.125	98.163	-9.038
100	A112_Unbiased	88.032	102.375	-14.343
100	A113_Unbiased	79.727	92.805	-13.078
100	B27_Unbiased	86.731	89.963	-3.232
100	B29_Unbiased	84.236	88.071	-3.835
100	B30_Unbiased	89.320	89.195	-0.875
100	B31_Unbiased	88.172	94.002	-5.830
100	B32_Unbiased	96.405	89.709	6.696
100	B33_Unbiased	86.178	89.207	-3.029
100	B34_Unbiased	99.843	96.330	3.513
100	B35_Unbiased	94.872	98.758	-3.886
100	C32_Unbiased	90.378	100.320	-9.942
100	C33_Unbiased	82.573	85.429	-2.856
100	C34_Unbiased	91.523	97.304	-5.781
100	C35_Unbiased	87.479	99.157	-11.678
100	C36_Unbiased	81.826	95.434	-13.608
100	C37_Unbiased	90.997	101.848	-10.851
100	C38_Unbiased	85.552	95.855	-10.303
	Max	105.968	106.344	9.069
	Average	88.322	93.046	-4.723
	Min	75.866	75.966	-18.228
	Std Dev	5.634	6.921	5.976

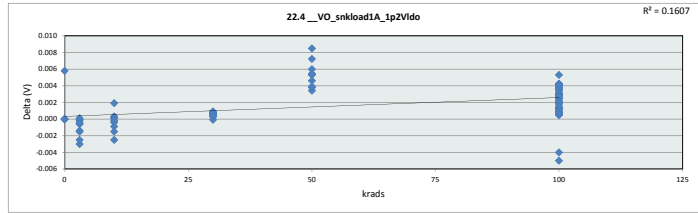


22.3_VO_LoadRegnsKOp5A_1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	LL	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	87.565	75.966	77.698	78.736	86.813	85.429
Average	94.977	83.801	87.091	88.347	95.648	96.757
Max	100.531	92.324	100.607	94.324	101.104	106.344
UL	200.000	200.000	200.000	200.000	200.000	200.000

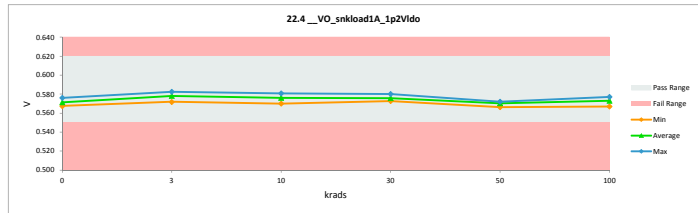


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22.4_VO_snkload1A_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.55	0.55		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.573	0.573	0.000
3	A79_Biased	0.581	0.582	-0.001
3	A80_Biased	0.575	0.578	-0.003
3	B1_Biased	0.579	0.579	0.000
3	B2_Biased	0.572	0.572	0.000
3	C1_Biased	0.575	0.576	-0.001
3	A82_Unbiased	0.576	0.578	-0.002
3	A83_Unbiased	0.577	0.579	-0.002
3	B4_Unbiased	0.579	0.579	0.000
3	B5_Unbiased	0.578	0.578	0.000
3	C2_Unbiased	0.578	0.579	-0.001
10	A85_Biased	0.569	0.570	-0.002
10	A86_Biased	0.574	0.576	-0.002
10	B6_Biased	0.580	0.578	0.002
10	C3_Biased	0.576	0.576	0.000
10	C4_Biased	0.579	0.579	0.000
10	A87_Unbiased	0.574	0.574	0.000
10	A88_Unbiased	0.580	0.581	-0.001
10	B7_Unbiased	0.577	0.577	0.000
10	C5_Unbiased	0.578	0.578	0.000
10	C6_Unbiased	0.572	0.572	0.000
0	106_Corr	0.576	0.576	0.000
30	A89_Biased	0.574	0.574	0.000
30	B8_Biased	0.581	0.580	0.001
30	B9_Biased	0.576	0.575	0.001
30	C7_Biased	0.575	0.575	0.000
30	C9_Biased	0.574	0.574	0.000
30	A90_Unbiased	0.577	0.576	0.001
30	B10_Unbiased	0.574	0.573	0.001
30	B11_Unbiased	0.578	0.577	0.001
30	C11_Unbiased	0.577	0.576	0.001
30	C12_Unbiased	0.576	0.576	0.000
0	106_Corr	0.570	0.570	0.000
0	15B_Corr	0.567	0.567	0.000
50	A92_Biased	0.577	0.571	0.006
50	A93_Biased	0.579	0.572	0.007
50	B12_Biased	0.573	0.569	0.003
50	B13_Biased	0.576	0.571	0.005
50	C14_Biased	0.576	0.570	0.005
50	A95_Unbiased	0.570	0.566	0.004
50	A96_Unbiased	0.576	0.571	0.005
50	B15_Unbiased	0.579	0.570	0.009
50	B16_Unbiased	0.574	0.570	0.004
50	C15_Unbiased	0.577	0.572	0.005
0	106_Corr	0.576	0.576	0.000
100	A97_Biased	0.574	0.571	0.003
100	A99_Biased	0.576	0.574	0.002
100	A100_Biased	0.570	0.567	0.002
100	A101_Biased	0.578	0.575	0.003
100	A102_Biased	0.578	0.573	0.005
100	A104_Biased	0.577	0.573	0.004
100	A105_Biased	0.572	0.569	0.003
100	B17_Biased	0.578	0.574	0.004
100	B18_Biased	0.571	0.569	0.002
100	B19_Biased	0.572	0.569	0.004
100	B20_Biased	0.578	0.575	0.003
100	B21_Biased	0.576	0.573	0.003
100	B24_Biased	0.575	0.573	0.002
100	B25_Biased	0.576	0.575	0.001
100	B26_Biased	0.572	0.571	0.001
100	C16_Biased	0.577	0.575	0.003
100	C17_Biased	0.576	0.572	0.004
100	C18_Biased	0.577	0.575	0.003
100	C19_Biased	0.576	0.572	0.004
100	C25_Biased	0.576	0.574	0.002
100	C26_Biased	0.576	0.572	0.004
100	C31_Biased	0.579	0.577	0.002
100	A107_Unbiased	0.575	0.573	0.002
100	A108_Unbiased	0.573	0.572	0.001
100	A109_Unbiased	0.575	0.575	0.000
100	A110_Unbiased	0.576	0.573	0.003
100	A111_Unbiased	0.576	0.573	0.003
100	A112_Unbiased	0.577	0.573	0.004
100	A113_Unbiased	0.580	0.576	0.004
100	B27_Unbiased	0.574	0.574	0.001
100	B29_Unbiased	0.577	0.576	0.001
100	B30_Unbiased	0.575	0.574	0.001
100	B31_Unbiased	0.576	0.574	0.001
100	B32_Unbiased	0.571	0.576	-0.005
100	B33_Unbiased	0.575	0.574	0.001
100	B34_Unbiased	0.569	0.573	-0.004
100	B35_Unbiased	0.572	0.571	0.001
100	C32_Unbiased	0.574	0.571	0.003
100	C33_Unbiased	0.578	0.577	0.001
100	C34_Unbiased	0.574	0.573	0.002
100	C35_Unbiased	0.575	0.571	0.003
100	C36_Unbiased	0.578	0.574	0.004
100	C37_Unbiased	0.573	0.570	0.003
100	C38_Unbiased	0.577	0.574	0.003
	Max	0.581	0.582	0.009
	Average	0.575	0.574	0.002
	Min	0.567	0.566	-0.005
	Std Dev	0.003	0.003	0.002

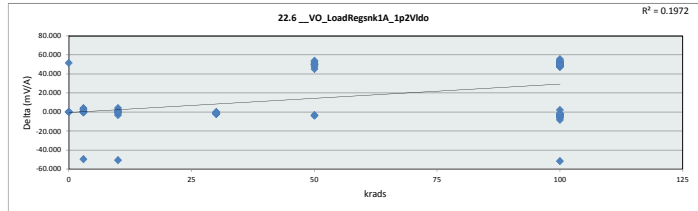


22.4_VO_snkload1A_1p2Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.62	V				
Min Limit	0.55	V				
Krads	0	3	10	30	50	100
LL	0.550	0.550	0.550	0.550	0.550	0.550
Min	0.568	0.572	0.570	0.573	0.566	0.567
Average	0.571	0.578	0.576	0.576	0.570	0.573
Max	0.576	0.583	0.581	0.580	0.572	0.577
UL	0.620	0.620	0.620	0.620	0.620	0.620

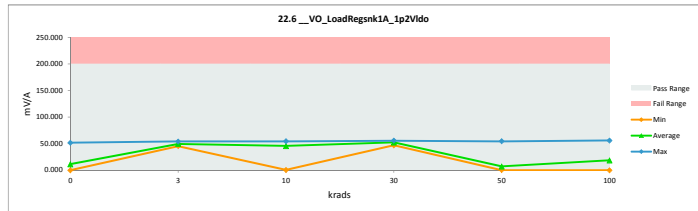


TID 100krad LDR Report
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22.6_VO_LoadReqs1A_1p2V0				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.462	2.462	0.000
3	A79_Biased	47.932	45.347	2.585
3	A80_Biased	1.397	51.050	-49.653
3	B1_Biased	48.375	48.353	0.022
3	B2_Biased	54.384	54.276	0.108
3	C1_Biased	52.413	52.093	0.320
3	A82_Unbiased	54.343	50.086	4.257
3	A83_Unbiased	54.118	51.163	2.955
3	B4_Unbiased	46.999	47.161	-0.162
3	B5_Unbiased	47.370	48.069	-0.699
3	C2_Unbiased	49.875	49.335	0.540
10	A85_Biased	4.668	0.499	4.169
10	A86_Biased	0.712	51.335	-50.623
10	B6_Biased	47.045	50.318	-3.273
10	C3_Biased	51.846	52.723	-0.877
10	C4_Biased	48.500	49.318	-0.818
10	A87_Unbiased	52.550	52.689	-0.139
10	A88_Unbiased	47.853	46.349	1.504
10	B7_Unbiased	49.465	49.721	-0.256
10	C5_Unbiased	50.688	49.535	1.153
10	C6_Unbiased	54.851	54.553	0.298
0	106_Corr	0.045	0.045	0.000
30	A89_Biased	52.774	53.837	-1.063
30	B8_Biased	45.381	47.141	-1.760
30	B9_Biased	50.716	52.168	-1.452
30	C7_Biased	51.772	52.364	-0.592
30	C9_Biased	53.931	53.849	0.082
30	A90_Unbiased	51.839	53.199	-1.360
30	B10_Unbiased	53.460	55.585	-2.125
30	B11_Unbiased	49.853	51.471	-1.618
30	C11_Unbiased	50.140	51.342	-1.202
30	C12_Unbiased	50.845	51.865	-1.020
0	106_Corr	0.045	0.045	0.000
0	158_Corr	2.774	2.774	0.000
50	A92_Biased	51.047	1.145	49.902
50	A93_Biased	47.751	0.271	47.474
50	B12_Biased	55.932	1.938	53.994
50	B13_Biased	50.706	54.522	-3.816
50	C14_Biased	52.054	0.809	51.245
50	A95_Unbiased	0.329	3.677	-3.348
50	A96_Unbiased	51.407	1.186	50.221
50	B15_Unbiased	49.136	4.103	45.033
50	B16_Unbiased	54.176	1.609	52.567
50	C15_Unbiased	51.512	1.898	49.614
0	106_Corr	0.045	0.045	0.000
100	A97_Biased	54.252	2.462	51.790
100	A99_Biased	52.639	0.420	52.219
100	A100_Biased	0.347	5.859	-5.512
100	A101_Biased	49.214	1.556	47.658
100	A102_Biased	49.556	2.123	47.433
100	A104_Biased	49.684	1.354	48.330
100	A105_Biased	1.444	5.091	-3.647
100	B17_Biased	48.671	1.151	47.520
100	B18_Biased	54.840	2.714	52.126
100	B19_Biased	54.815	4.885	49.930
100	B20_Biased	48.554	54.798	-6.244
100	B21_Biased	52.362	1.861	50.501
100	B24_Biased	51.020	56.126	-5.106
100	B25_Biased	50.634	52.285	-1.651
100	B26_Biased	52.524	54.897	-2.373
100	C16_Biased	51.226	0.426	50.800
100	C17_Biased	52.626	2.644	49.982
100	C18_Biased	51.196	0.047	51.149
100	C19_Biased	50.952	2.082	48.870
100	C25_Biased	51.361	55.209	-3.848
100	C26_Biased	52.489	3.483	49.006
100	C31_Biased	49.246	54.390	-5.144
100	A107_Unbiased	53.315	0.186	53.129
100	A108_Unbiased	0.876	3.822	-2.946
100	A109_Unbiased	55.391	0.995	54.396
100	A110_Unbiased	53.463	2.172	51.291
100	A111_Unbiased	52.992	0.896	51.996
100	A112_Unbiased	52.079	3.219	48.860
100	A113_Unbiased	47.338	55.600	-8.262
100	B27_Unbiased	51.294	53.119	-1.825
100	B29_Unbiased	49.929	52.281	-2.352
100	B30_Unbiased	52.468	54.909	-2.441
100	B31_Unbiased	51.887	55.677	-3.790
100	B32_Unbiased	1.438	53.157	-51.719
100	B33_Unbiased	51.026	52.887	-1.861
100	B34_Unbiased	3.334	1.124	2.210
100	B35_Unbiased	55.694	0.094	55.600
100	C32_Unbiased	53.271	1.952	51.319
100	C33_Unbiased	49.062	50.981	-1.919
100	C34_Unbiased	53.813	0.186	53.627
100	C35_Unbiased	51.580	1.217	50.363
100	C36_Unbiased	48.858	0.384	48.474
100	C37_Unbiased	53.864	3.333	50.531
100	C38_Unbiased	50.616	0.703	49.913
	Max	55.932	56.126	55.600
	Average	44.635	27.196	17.498
	Min	0.045	0.045	-51.719
	Std Dev	17.207	25.297	28.312

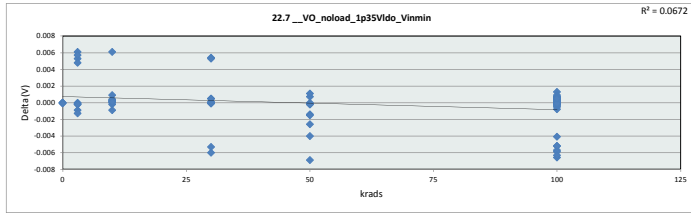


22.6_VO_LoadReqs1A_1p2V0						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.045	45.347	0.499	47.141	0.277	0.047
Average	11.551	49.693	45.704	52.282	7.116	18.517
Max	51.956	54.276	54.553	55.585	54.522	56.126
UL	200.000	200.000	200.000	200.000	200.000	200.000

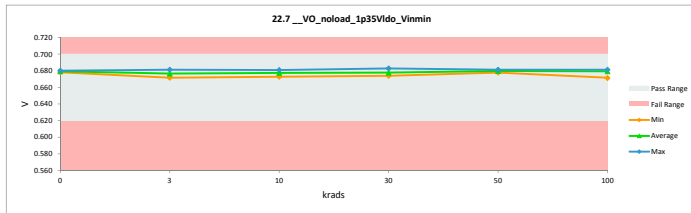


TID 100krad LDR Report
TPS7H3301-SP

22.7_VO_noload_1p35Vido_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.7	0.7		
Min Limit	0.62	0.62		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.680	0.680	0.000
3	A79_Biased	0.678	0.678	-0.001
3	A80_Biased	0.681	0.676	0.005
3	B1_Biased	0.676	0.676	0.000
3	B2_Biased	0.670	0.672	-0.001
3	C1_Biased	0.680	0.680	0.000
3	A82_Unbiased	0.681	0.675	0.006
3	A83_Unbiased	0.683	0.677	0.006
3	B4_Unbiased	0.675	0.675	0.000
3	B5_Unbiased	0.680	0.675	0.005
3	C2_Unbiased	0.681	0.681	0.000
10	A85_Biased	0.678	0.678	0.000
10	A86_Biased	0.680	0.674	0.006
10	B6_Biased	0.676	0.677	-0.001
10	C3_Biased	0.678	0.678	0.000
10	C4_Biased	0.681	0.681	0.000
10	A87_Unbiased	0.674	0.673	0.001
10	A88_Unbiased	0.677	0.677	0.000
10	B7_Unbiased	0.680	0.680	0.000
10	C5_Unbiased	0.676	0.676	0.000
10	C6_Unbiased	0.679	0.678	0.000
0	106_Corr	0.680	0.680	0.000
30	A89_Biased	0.679	0.680	0.000
30	B8_Biased	0.677	0.683	-0.006
30	B9_Biased	0.679	0.674	0.005
30	C7_Biased	0.675	0.674	0.001
30	C9_Biased	0.678	0.679	0.000
30	A90_Unbiased	0.681	0.681	0.000
30	B10_Unbiased	0.673	0.679	-0.005
30	B11_Unbiased	0.680	0.675	0.005
30	C11_Unbiased	0.680	0.680	0.000
30	C12_Unbiased	0.675	0.674	0.001
0	106_Corr	0.680	0.680	0.000
0	15B_Corr	0.678	0.678	0.000
50	A92_Biased	0.681	0.680	0.001
50	A93_Biased	0.676	0.680	-0.004
50	B12_Biased	0.678	0.679	-0.001
50	B13_Biased	0.673	0.680	-0.007
50	C14_Biased	0.679	0.679	0.000
50	A95_Unbiased	0.676	0.679	-0.002
50	A96_Unbiased	0.680	0.680	0.000
50	B15_Unbiased	0.681	0.680	0.001
50	B16_Unbiased	0.677	0.680	-0.003
50	C15_Unbiased	0.681	0.681	0.000
0	106_Corr	0.680	0.680	0.000
100	A97_Biased	0.677	0.678	0.000
100	A99_Biased	0.675	0.680	-0.006
100	A100_Biased	0.676	0.677	0.000
100	A101_Biased	0.682	0.681	0.001
100	A102_Biased	0.681	0.679	0.001
100	A104_Biased	0.675	0.680	-0.005
100	A105_Biased	0.679	0.678	0.001
100	B17_Biased	0.674	0.681	-0.007
100	B18_Biased	0.677	0.677	0.000
100	B19_Biased	0.677	0.678	-0.001
100	B20_Biased	0.675	0.681	-0.006
100	B21_Biased	0.680	0.679	0.000
100	B24_Biased	0.679	0.679	0.000
100	B25_Biased	0.674	0.674	0.000
100	B26_Biased	0.671	0.671	0.000
100	C16_Biased	0.681	0.681	0.000
100	C17_Biased	0.680	0.679	0.000
100	C18_Biased	0.681	0.681	0.000
100	C19_Biased	0.680	0.679	0.000
100	C25_Biased	0.678	0.678	-0.001
100	C26_Biased	0.680	0.680	0.000
100	C31_Biased	0.682	0.681	0.001
100	A107_Unbiased	0.681	0.680	0.000
100	A108_Unbiased	0.680	0.679	0.000
100	A109_Unbiased	0.682	0.681	0.001
100	A110_Unbiased	0.681	0.680	0.001
100	A111_Unbiased	0.681	0.680	0.001
100	A112_Unbiased	0.681	0.681	0.000
100	A113_Unbiased	0.676	0.681	-0.005
100	B27_Unbiased	0.679	0.678	0.000
100	B29_Unbiased	0.681	0.680	0.000
100	B30_Unbiased	0.678	0.678	0.000
100	B31_Unbiased	0.681	0.680	0.001
100	B32_Unbiased	0.680	0.680	0.000
100	B33_Unbiased	0.673	0.679	-0.006
100	B34_Unbiased	0.679	0.679	0.000
100	B35_Unbiased	0.677	0.677	0.000
100	C32_Unbiased	0.678	0.678	0.000
100	C33_Unbiased	0.681	0.681	0.001
100	C34_Unbiased	0.680	0.680	0.000
100	C35_Unbiased	0.678	0.678	0.000
100	C36_Unbiased	0.676	0.680	-0.004
100	C37_Unbiased	0.678	0.678	0.000
100	C38_Unbiased	0.680	0.679	0.000
	Max	0.683	0.683	0.006
	Average	0.678	0.679	0.000
	Min	0.670	0.671	-0.007
	Std Dev	0.003	0.002	0.003



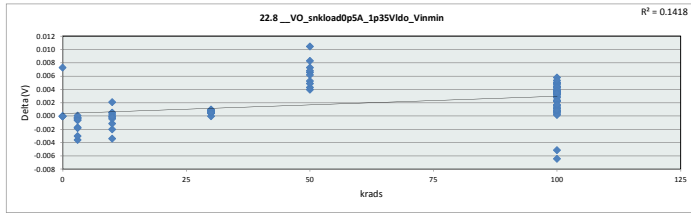
22.7_VO_noload_1p35Vido_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.7	V				
Min Limit	0.62	V				
Krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.678	0.672	0.673	0.674	0.678	0.671
Average	0.679	0.677	0.677	0.678	0.680	0.679
Max	0.680	0.681	0.681	0.683	0.681	0.681
UL	0.700	0.700	0.700	0.700	0.700	0.700



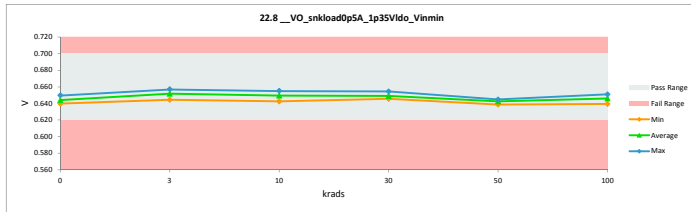
TID 100krad LDR Report
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22.8_VO_snkloadOp5A_1p35V			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.7	0.7	
Min Limit	0.62	0.62	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.646	0.646	0.000
3	A79_Biased	0.655	0.657	-0.002
3	A80_Unbiased	0.648	0.652	-0.004
3	B1_Biased	0.653	0.653	0.000
3	B2_Biased	0.644	0.644	0.000
3	C1_Biased	0.649	0.649	-0.001
3	A82_Unbiased	0.649	0.652	-0.003
3	A83_Unbiased	0.650	0.652	-0.002
3	B4_Unbiased	0.652	0.653	0.000
3	B5_Unbiased	0.652	0.652	0.000
3	C2_Unbiased	0.652	0.652	-0.001
10	A85_Biased	0.640	0.642	-0.002
10	A86_Biased	0.646	0.649	-0.003
10	B6_Biased	0.654	0.652	0.002
10	C3_Biased	0.650	0.650	0.000
10	C4_Biased	0.653	0.653	0.000
10	A87_Unbiased	0.646	0.646	0.000
10	A88_Unbiased	0.654	0.655	-0.001
10	B7_Unbiased	0.650	0.650	0.000
10	C5_Unbiased	0.651	0.651	0.000
10	C6_Unbiased	0.645	0.645	0.000
0	106_Corr	0.650	0.650	0.000
30	A89_Biased	0.648	0.647	0.000
30	B8_Biased	0.655	0.654	0.001
30	B9_Biased	0.649	0.648	0.001
30	C7_Biased	0.648	0.648	0.000
30	C9_Biased	0.647	0.647	0.000
30	A90_Unbiased	0.651	0.650	0.001
30	B10_Unbiased	0.646	0.646	0.001
30	B11_Unbiased	0.651	0.650	0.001
30	C11_Unbiased	0.651	0.650	0.001
30	C12_Unbiased	0.649	0.649	0.001
0	106_Corr	0.642	0.642	0.000
0	15B_Corr	0.640	0.640	0.000
50	A92_Biased	0.651	0.643	0.007
50	A93_Biased	0.653	0.645	0.008
50	B12_Biased	0.645	0.641	0.004
50	B13_Biased	0.648	0.643	0.005
50	C14_Biased	0.649	0.642	0.007
50	A95_Unbiased	0.643	0.638	0.004
50	A96_Unbiased	0.650	0.643	0.007
50	B15_Unbiased	0.653	0.643	0.010
50	B16_Unbiased	0.646	0.641	0.005
50	C15_Unbiased	0.651	0.645	0.006
0	106_Corr	0.650	0.650	0.000
100	A97_Biased	0.647	0.644	0.003
100	A99_Biased	0.649	0.647	0.002
100	A100_Biased	0.642	0.639	0.003
100	A101_Biased	0.652	0.648	0.004
100	A102_Biased	0.652	0.646	0.006
100	A104_Biased	0.650	0.645	0.005
100	A105_Biased	0.644	0.641	0.004
100	B17_Biased	0.652	0.647	0.004
100	B18_Biased	0.644	0.641	0.002
100	B19_Biased	0.645	0.641	0.004
100	B20_Biased	0.652	0.648	0.003
100	B21_Biased	0.649	0.645	0.004
100	B24_Biased	0.648	0.645	0.002
100	B25_Biased	0.649	0.648	0.001
100	B26_Biased	0.645	0.644	0.001
100	C16_Biased	0.651	0.648	0.003
100	C17_Biased	0.649	0.645	0.004
100	C18_Biased	0.651	0.647	0.003
100	C19_Biased	0.650	0.644	0.005
100	C25_Biased	0.649	0.648	0.002
100	C26_Biased	0.650	0.645	0.005
100	C31_Biased	0.653	0.650	0.003
100	A107_Unbiased	0.648	0.646	0.002
100	A108_Unbiased	0.645	0.644	0.001
100	A109_Unbiased	0.647	0.647	0.000
100	A110_Unbiased	0.649	0.646	0.004
100	A111_Unbiased	0.649	0.646	0.003
100	A112_Unbiased	0.651	0.646	0.005
100	A113_Unbiased	0.653	0.649	0.005
100	B27_Unbiased	0.647	0.647	0.001
100	B29_Unbiased	0.651	0.650	0.001
100	B30_Unbiased	0.648	0.647	0.001
100	B31_Unbiased	0.649	0.648	0.001
100	B32_Unbiased	0.643	0.649	-0.006
100	B33_Unbiased	0.648	0.647	0.000
100	B34_Unbiased	0.641	0.646	-0.005
100	B35_Unbiased	0.645	0.644	0.001
100	C32_Unbiased	0.647	0.643	0.004
100	C33_Unbiased	0.652	0.651	0.001
100	C34_Unbiased	0.648	0.646	0.002
100	C35_Unbiased	0.648	0.644	0.004
100	C36_Unbiased	0.653	0.647	0.005
100	C37_Unbiased	0.646	0.643	0.004
100	C38_Unbiased	0.650	0.647	0.004
	Max	0.655	0.657	0.010
	Average	0.649	0.647	0.002
	Min	0.640	0.638	-0.006
	Std Dev	0.003	0.004	0.003

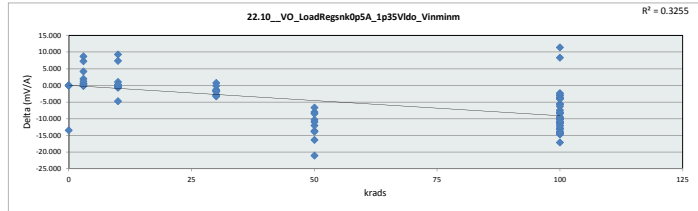


22.8_VO_snkloadOp5A_1p35						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.7 V					
Min Limit	0.62 V					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.640	0.644	0.642	0.646	0.639	0.639
Average	0.644	0.652	0.649	0.649	0.642	0.646
Max	0.650	0.657	0.655	0.654	0.645	0.651
UL	0.700	0.700	0.700	0.700	0.700	0.700

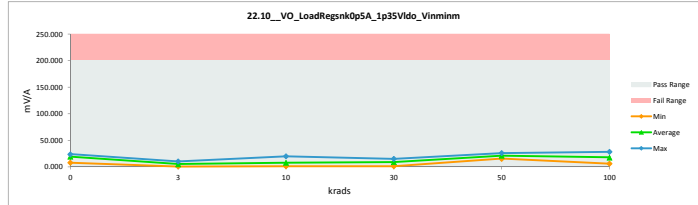


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22_10_VO_LoadReqsKOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	22.515	22.515	0.000
3	A79_Biased	2.514	2.635	-0.121
3	A80_Unbiased	16.103	7.428	8.675
3	B1_Biased	3.085	2.621	0.464
3	B2_Biased	10.721	10.165	0.556
3	C1_Biased	10.110	8.113	1.997
3	A82_Unbiased	12.738	5.493	7.245
3	A83_Unbiased	11.885	7.670	4.215
3	B4_Unbiased	1.276	1.181	0.095
3	B5_Unbiased	0.247	0.347	-0.100
3	C2_Unbiased	5.009	3.811	1.198
10	A85_Biased	27.268	19.945	7.323
10	A86_Biased	16.520	7.229	9.291
10	B6_Biased	0.781	5.490	-4.709
10	C3_Biased	7.019	7.718	-0.699
10	C4_Biased	3.056	3.618	-0.562
10	A87_Unbiased	9.752	9.951	-0.199
10	A88_Unbiased	0.818	1.134	-0.316
10	B7_Unbiased	3.750	4.019	-0.269
10	C5_Unbiased	6.559	5.546	1.013
10	C6_Unbiased	12.672	12.386	0.286
0	106_Corr	7.639	7.639	0.000
30	A89_Biased	10.369	11.920	-1.551
30	B8_Biased	1.666	0.916	0.750
30	B9_Biased	4.919	7.777	-2.858
30	C7_Biased	8.602	9.921	-1.319
30	C9_Biased	10.938	11.087	-0.149
30	A90_Unbiased	9.157	10.925	-1.768
30	B10_Unbiased	11.597	14.876	-3.279
30	B11_Unbiased	5.158	8.138	-2.980
30	C11_Unbiased	4.421	6.032	-1.611
30	C12_Unbiased	7.172	9.025	-1.853
0	106_Corr	19.942	19.942	0.000
0	158_Corr	23.654	23.654	0.000
50	A92_Biased	7.479	21.128	-13.649
50	A93_Biased	19.187	17.669	1.518
50	B12_Biased	14.190	22.194	-8.004
50	B13_Biased	6.679	15.216	-8.537
50	C14_Biased	8.159	20.172	-12.013
50	A95_Unbiased	19.187	25.235	-6.048
50	A96_Unbiased	6.246	20.085	-13.839
50	B15_Unbiased	4.429	25.514	-21.085
50	B16_Unbiased	12.765	23.057	-10.292
50	C15_Unbiased	9.024	20.028	-11.004
0	106_Corr	7.639	21.109	-13.470
100	A97_Biased	12.879	22.617	-9.738
100	A99_Biased	10.098	17.556	-7.458
100	A100_Biased	17.967	27.442	-9.475
100	A101_Biased	3.758	15.111	-11.353
100	A102_Biased	4.693	21.873	-17.180
100	A104_Biased	5.538	20.321	-14.783
100	A105_Biased	16.980	28.076	-11.096
100	B17_Biased	2.115	15.249	-13.134
100	B18_Biased	11.706	21.921	-10.215
100	B19_Biased	12.779	26.558	-13.779
100	B20_Biased	2.400	12.286	-9.886
100	B21_Biased	10.135	22.075	-11.940
100	B24_Biased	5.481	14.019	-8.538
100	B25_Biased	5.656	8.687	-3.031
100	B26_Biased	7.260	11.156	-3.896
100	C16_Biased	8.351	18.472	-10.121
100	C17_Biased	9.151	22.015	-12.864
100	C18_Biased	8.650	18.885	-10.235
100	C19_Biased	5.945	20.512	-14.567
100	C25_Biased	7.175	12.769	-5.594
100	C26_Biased	9.851	24.113	-14.262
100	C31_Biased	4.249	12.330	-8.081
100	A107_Unbiased	10.048	18.116	-8.068
100	A108_Unbiased	19.811	25.444	-5.633
100	A109_Unbiased	14.922	17.302	-2.380
100	A110_Unbiased	11.699	22.823	-11.124
100	A111_Unbiased	9.957	19.807	-9.850
100	A112_Unbiased	9.823	24.083	-14.260
100	A113_Unbiased	1.021	13.890	-12.869
100	B27_Unbiased	5.946	9.038	-3.092
100	B29_Unbiased	5.053	8.721	-3.668
100	B30_Unbiased	8.648	12.626	-3.978
100	B31_Unbiased	8.840	14.540	-5.700
100	B32_Unbiased	21.354	9.954	11.400
100	B33_Unbiased	5.799	8.343	-2.544
100	B34_Unbiased	24.809	16.516	8.293
100	B35_Unbiased	13.876	17.736	-3.860
100	C32_Unbiased	10.054	21.256	-11.202
100	C33_Unbiased	1.851	5.928	-4.077
100	C34_Unbiased	11.880	18.128	-6.248
100	C35_Unbiased	6.556	19.433	-12.877
100	C36_Unbiased	2.348	16.642	-14.294
100	C37_Unbiased	10.726	22.887	-12.161
100	C38_Unbiased	6.551	17.358	-10.807
	Max	27.268	28.076	11.400
	Average	9.113	14.579	-5.465
	Min	0.247	0.347	-21.085
	Std Dev	5.842	7.322	6.758



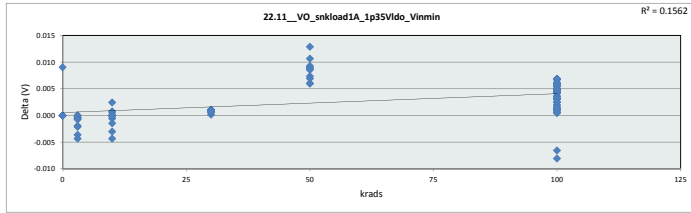
22_10_VO_LoadReqsKOp5A						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	7.639	0.347	1.134	0.916	15.216	5.928
Average	18.972	4.946	7.704	9.062	21.090	17.605
Max	23.654	10.165	19.945	14.876	25.835	28.076
UL	200.000	200.000	200.000	200.000	200.000	200.000



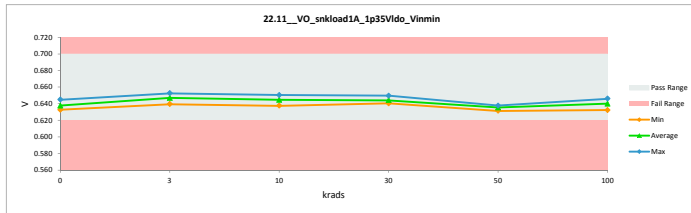
TID 100krad LDR Report
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22.11_VO_snkload1A_1p35VIdc			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.7	0.7	
Min Limit	0.62	0.62	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.639	0.639	0.000
3	A79_Biased	0.651	0.653	-0.002
3	A80_Biased	0.643	0.647	-0.004
3	B1_Biased	0.648	0.649	0.000
3	B2_Biased	0.639	0.640	0.000
3	C1_Biased	0.644	0.644	-0.001
3	A82_Unbiased	0.644	0.647	-0.004
3	A83_Unbiased	0.645	0.647	-0.002
3	B4_Unbiased	0.648	0.648	0.000
3	B5_Unbiased	0.648	0.648	0.000
3	C2_Unbiased	0.647	0.648	-0.001
10	A85_Biased	0.635	0.638	-0.003
10	A86_Biased	0.640	0.645	-0.004
10	B6_Biased	0.650	0.647	0.002
10	C3_Biased	0.645	0.645	0.001
10	C4_Biased	0.649	0.648	0.001
10	A87_Unbiased	0.642	0.642	0.000
10	A88_Unbiased	0.649	0.651	-0.001
10	B7_Unbiased	0.646	0.646	0.000
10	C5_Unbiased	0.646	0.647	-0.001
10	C6_Unbiased	0.640	0.640	0.000
0	106_Corr	0.645	0.645	0.000
30	A89_Biased	0.643	0.642	0.001
30	B8_Biased	0.651	0.650	0.001
30	B9_Biased	0.645	0.643	0.001
30	C7_Biased	0.644	0.643	0.001
30	C9_Biased	0.642	0.642	0.000
30	A90_Unbiased	0.646	0.646	0.001
30	B10_Unbiased	0.642	0.641	0.001
30	B11_Unbiased	0.647	0.646	0.001
30	C11_Unbiased	0.645	0.645	0.001
30	C12_Unbiased	0.645	0.644	0.001
0	106_Corr	0.636	0.636	0.000
0	15B_Corr	0.633	0.633	0.000
50	A92_Biased	0.646	0.637	0.009
50	A93_Biased	0.648	0.638	0.011
50	B12_Biased	0.640	0.634	0.006
50	B13_Biased	0.644	0.636	0.007
50	C14_Biased	0.644	0.635	0.009
50	A95_Unbiased	0.637	0.631	0.006
50	A96_Unbiased	0.645	0.636	0.009
50	B15_Unbiased	0.649	0.636	0.013
50	B16_Unbiased	0.642	0.635	0.007
50	C15_Unbiased	0.646	0.638	0.009
0	106_Corr	0.645	0.645	0.000
100	A97_Biased	0.642	0.638	0.004
100	A99_Biased	0.644	0.641	0.003
100	A100_Biased	0.637	0.632	0.004
100	A101_Biased	0.647	0.642	0.005
100	A102_Biased	0.647	0.641	0.007
100	A104_Biased	0.646	0.639	0.007
100	A105_Biased	0.639	0.634	0.005
100	B17_Biased	0.647	0.641	0.006
100	B18_Biased	0.639	0.635	0.004
100	B19_Biased	0.640	0.635	0.006
100	B20_Biased	0.647	0.643	0.004
100	B21_Biased	0.645	0.640	0.005
100	B24_Biased	0.643	0.640	0.003
100	B25_Biased	0.645	0.643	0.001
100	B26_Biased	0.640	0.639	0.001
100	C16_Biased	0.646	0.642	0.005
100	C17_Biased	0.645	0.638	0.006
100	C18_Biased	0.646	0.642	0.004
100	C19_Biased	0.645	0.638	0.007
100	C25_Biased	0.645	0.642	0.002
100	C26_Biased	0.645	0.638	0.007
100	C31_Biased	0.649	0.645	0.004
100	A107_Unbiased	0.643	0.640	0.003
100	A108_Unbiased	0.640	0.638	0.002
100	A109_Unbiased	0.642	0.642	0.000
100	A110_Unbiased	0.645	0.640	0.005
100	A111_Unbiased	0.644	0.640	0.004
100	A112_Unbiased	0.646	0.640	0.006
100	A113_Unbiased	0.649	0.643	0.006
100	B27_Unbiased	0.643	0.642	0.001
100	B29_Unbiased	0.646	0.645	0.001
100	B30_Unbiased	0.643	0.642	0.001
100	B31_Unbiased	0.644	0.642	0.002
100	B32_Unbiased	0.636	0.644	-0.008
100	B33_Unbiased	0.643	0.642	0.001
100	B34_Unbiased	0.634	0.641	-0.007
100	B35_Unbiased	0.640	0.639	0.001
100	C32_Unbiased	0.642	0.637	0.005
100	C33_Unbiased	0.647	0.646	0.001
100	C34_Unbiased	0.643	0.641	0.002
100	C35_Unbiased	0.644	0.638	0.006
100	C36_Unbiased	0.648	0.641	0.007
100	C37_Unbiased	0.642	0.636	0.006
100	C38_Unbiased	0.646	0.641	0.005
	Max	0.651	0.653	0.013
	Average	0.644	0.641	0.003
	Min	0.633	0.631	-0.008
	Std Dev	0.004	0.004	0.004

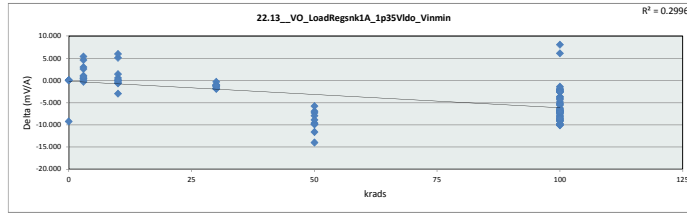


22.11_VO_snkload1A_1p35VIdc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.7 V					
Min Limit	0.62 V					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.633	0.640	0.638	0.641	0.631	0.633
Average	0.638	0.647	0.645	0.644	0.636	0.640
Max	0.645	0.653	0.651	0.650	0.638	0.646
UL	0.700	0.700	0.700	0.700	0.700	0.700

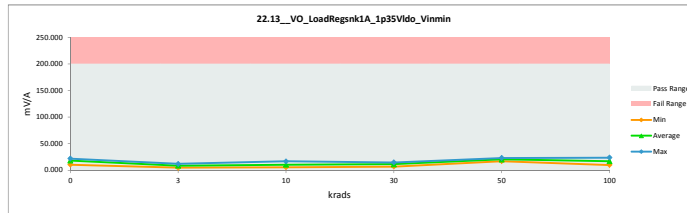


TID 100krad LDR Report
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22.13_VO_LoadRegnsk1A_1p35				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	20.306	20.306	0.000
3	A79_Biased	7.963	4.979	2.984
3	A80_Biased	15.970	10.647	5.323
3	B1_Biased	8.301	8.005	0.296
3	B2_Biased	12.575	12.138	0.437
3	C1_Biased	12.081	11.073	1.008
3	A82_Unbiased	13.920	9.369	4.551
3	A83_Unbiased	13.561	10.808	2.553
3	B4_Unbiased	5.933	5.969	-0.036
3	B5_Unbiased	6.354	6.703	-0.349
3	C2_Unbiased	9.198	8.454	0.744
10	A85_Biased	22.140	17.047	5.093
10	A86_Biased	16.330	10.408	5.922
10	B6_Biased	6.833	9.848	-3.015
10	C3_Biased	10.297	10.981	-0.684
10	C4_Biased	8.246	8.807	-0.561
10	A87_Unbiased	11.791	11.906	-0.115
10	A88_Unbiased	7.185	5.802	1.383
10	B7_Unbiased	8.589	8.730	-0.141
10	C5_Unbiased	10.062	9.530	0.532
10	C6_Unbiased	13.448	13.336	0.112
0	106_Corr	10.816	10.816	0.000
30	A89_Biased	12.208	13.296	-1.088
30	B8_Biased	5.686	7.088	-1.402
30	B9_Biased	9.217	11.046	-1.829
30	C7_Biased	10.845	11.942	-1.097
30	C9_Biased	12.462	12.799	-0.337
30	A90_Unbiased	11.334	12.348	-1.014
30	B10_Unbiased	12.865	14.680	-1.815
30	B11_Unbiased	9.140	11.030	-1.890
30	C11_Unbiased	8.972	10.174	-1.202
30	C12_Unbiased	10.097	11.343	-1.246
0	106_Corr	19.418	19.418	0.000
0	158_Corr	21.983	21.983	0.000
50	A92_Biased	10.494	20.330	-9.836
50	A93_Biased	7.730	18.882	-11.152
50	B12_Biased	14.397	21.347	-6.950
50	B13_Biased	9.951	17.293	-7.342
50	C14_Biased	10.802	20.420	-9.618
50	A95_Unbiased	17.534	23.219	-5.785
50	A96_Unbiased	10.031	19.926	-9.895
50	B15_Unbiased	8.860	22.910	-14.050
50	B16_Unbiased	13.256	21.242	-7.986
50	C15_Unbiased	11.418	20.341	-8.923
0	106_Corr	10.816	29.121	-9.305
100	A97_Biased	13.522	19.993	-6.471
100	A99_Biased	12.159	17.071	-4.912
100	A100_Biased	17.037	23.828	-6.791
100	A101_Biased	8.586	15.878	-7.292
100	A102_Biased	9.194	19.368	-10.174
100	A104_Biased	9.338	19.395	-10.057
100	A105_Biased	15.958	23.499	-7.541
100	B17_Biased	7.795	16.143	-8.348
100	B18_Biased	12.837	19.833	-6.996
100	B19_Biased	13.346	22.481	-9.135
100	B20_Biased	7.773	14.055	-6.282
100	B21_Biased	11.569	19.515	-7.946
100	B24_Biased	9.551	15.128	-5.577
100	B25_Biased	9.486	11.556	-2.070
100	B26_Biased	10.591	13.175	-2.584
100	C16_Biased	11.098	17.946	-6.848
100	C17_Biased	11.431	20.278	-8.847
100	C18_Biased	11.083	18.030	-6.947
100	C19_Biased	9.579	19.461	-9.882
100	C25_Biased	10.062	14.184	-4.122
100	C26_Biased	11.828	21.581	-9.753
100	C31_Biased	8.699	13.970	-5.271
100	A107_Unbiased	12.446	17.809	-5.363
100	A108_Unbiased	17.992	21.621	-3.629
100	A109_Unbiased	15.365	16.757	-1.392
100	A110_Unbiased	12.853	20.043	-7.190
100	A111_Unbiased	12.097	18.616	-6.519
100	A112_Unbiased	11.806	20.888	-9.082
100	A113_Unbiased	7.023	15.125	-8.102
100	B27_Unbiased	9.612	11.773	-2.161
100	B29_Unbiased	9.144	11.525	-2.381
100	B30_Unbiased	10.954	13.612	-2.658
100	B31_Unbiased	11.115	14.947	-3.832
100	B32_Unbiased	20.116	12.118	7.998
100	B33_Unbiased	9.767	11.524	-1.757
100	B34_Unbiased	22.057	15.972	6.085
100	B35_Unbiased	14.019	16.442	-2.423
100	C32_Unbiased	12.035	19.589	-7.554
100	C33_Unbiased	7.440	10.111	-2.671
100	C34_Unbiased	12.749	17.145	-4.396
100	C35_Unbiased	9.976	18.670	-8.694
100	C36_Unbiased	8.002	17.216	-9.214
100	C37_Unbiased	12.474	21.090	-8.616
100	C38_Unbiased	9.939	17.032	-7.093
	Max	22.140	23.828	7.998
	Average	11.398	15.336	-3.938
	Min	5.686	4.979	-14.050
	Std Dev	3.624	4.844	4.624

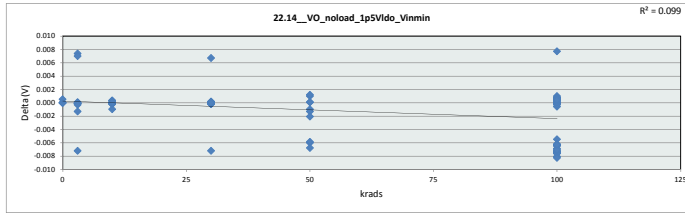


22.13_VO_LoadRegnsk1A_1p35					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Max Limit	200	mV/A			
Min Limit	0	mV/A			
krads	0	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	10.816	4.979	5.802	7.088	17.293
Average	18.529	8.815	10.640	11.575	20.601
Max	21.983	12.138	17.047	14.680	23.319
UL	200.000	200.000	200.000	200.000	200.000

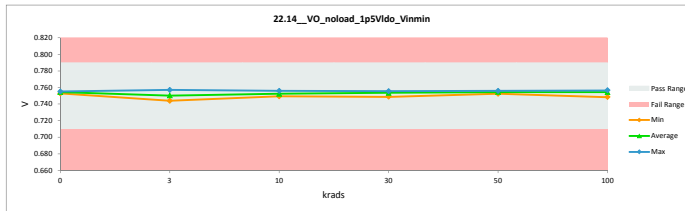


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22.14_VO_noload_1p5VIdo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.71	0.71		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.755	0.755	0.000
3	A79_Biased	0.750	0.752	-0.001
3	A80_Biased	0.750	0.750	0.000
3	B1_Biased	0.750	0.757	-0.007
3	B2_Biased	0.744	0.744	0.000
3	C1_Biased	0.756	0.756	0.000
3	A82_Unbiased	0.757	0.749	0.007
3	A83_Unbiased	0.751	0.751	0.000
3	B4_Unbiased	0.748	0.748	0.000
3	B5_Unbiased	0.748	0.748	0.000
3	C2_Unbiased	0.756	0.749	0.007
10	A85_Biased	0.753	0.752	0.000
10	A86_Biased	0.754	0.754	0.000
10	B6_Biased	0.750	0.750	0.000
10	C3_Biased	0.753	0.753	0.000
10	C4_Biased	0.749	0.750	-0.001
10	A87_Unbiased	0.755	0.755	0.000
10	A88_Unbiased	0.750	0.750	0.000
10	B7_Unbiased	0.756	0.756	0.000
10	C5_Unbiased	0.749	0.749	0.000
10	C6_Unbiased	0.754	0.754	0.000
0	106_Corr	0.755	0.755	0.000
30	A89_Biased	0.755	0.755	0.000
30	B8_Biased	0.750	0.750	0.000
30	B9_Biased	0.754	0.754	0.000
30	C7_Biased	0.756	0.755	0.000
30	C9_Biased	0.754	0.754	0.000
30	A90_Unbiased	0.756	0.756	0.000
30	B10_Unbiased	0.747	0.754	-0.007
30	B11_Unbiased	0.756	0.749	0.007
30	C11_Unbiased	0.756	0.756	0.000
30	C12_Unbiased	0.756	0.756	0.000
0	106_Corr	0.754	0.754	0.000
0	15B_Corr	0.753	0.753	0.000
50	A92_Biased	0.756	0.755	0.001
50	A93_Biased	0.749	0.755	-0.006
50	B12_Biased	0.752	0.753	-0.001
50	B13_Biased	0.756	0.754	0.001
50	C14_Biased	0.754	0.754	0.000
50	A95_Unbiased	0.751	0.752	-0.001
50	A96_Unbiased	0.748	0.755	-0.007
50	B15_Unbiased	0.749	0.755	-0.006
50	B16_Unbiased	0.752	0.754	-0.002
50	C15_Unbiased	0.756	0.756	0.000
0	106_Corr	0.754	0.754	0.001
100	A97_Biased	0.752	0.753	0.000
100	A99_Biased	0.748	0.756	-0.007
100	A100_Biased	0.751	0.751	0.000
100	A101_Biased	0.748	0.756	-0.007
100	A102_Biased	0.749	0.754	-0.006
100	A104_Biased	0.748	0.755	-0.007
100	A105_Biased	0.754	0.753	0.001
100	B17_Biased	0.748	0.756	-0.008
100	B18_Biased	0.752	0.752	0.000
100	B19_Biased	0.752	0.752	-0.001
100	B20_Biased	0.748	0.756	-0.008
100	B21_Biased	0.755	0.754	0.000
100	B24_Biased	0.754	0.754	0.001
100	B25_Biased	0.747	0.754	-0.008
100	B26_Biased	0.744	0.751	-0.006
100	C16_Biased	0.749	0.756	-0.007
100	C17_Biased	0.755	0.754	0.000
100	C18_Biased	0.756	0.756	0.000
100	C19_Biased	0.755	0.754	0.001
100	C25_Biased	0.747	0.753	-0.006
100	C26_Biased	0.755	0.755	0.001
100	C31_Biased	0.750	0.756	-0.006
100	A107_Unbiased	0.756	0.755	0.000
100	A108_Unbiased	0.755	0.754	0.000
100	A109_Unbiased	0.757	0.756	0.001
100	A110_Unbiased	0.749	0.755	-0.006
100	A111_Unbiased	0.756	0.755	0.001
100	A112_Unbiased	0.749	0.756	-0.007
100	A113_Unbiased	0.749	0.757	-0.007
100	B27_Unbiased	0.745	0.753	-0.008
100	B29_Unbiased	0.756	0.748	0.008
100	B30_Unbiased	0.753	0.753	0.000
100	B31_Unbiased	0.756	0.755	0.001
100	B32_Unbiased	0.755	0.755	0.000
100	B33_Unbiased	0.754	0.754	0.000
100	B34_Unbiased	0.753	0.753	0.000
100	B35_Unbiased	0.752	0.752	0.000
100	C32_Unbiased	0.753	0.753	0.000
100	C33_Unbiased	0.756	0.756	0.001
100	C34_Unbiased	0.755	0.754	0.001
100	C35_Unbiased	0.746	0.753	-0.007
100	C36_Unbiased	0.749	0.755	-0.006
100	C37_Unbiased	0.753	0.753	0.000
100	C38_Unbiased	0.755	0.754	0.000
	Max	0.757	0.757	0.008
	Average	0.752	0.754	-0.001
	Min	0.744	0.744	-0.008
	Std Dev	0.003	0.002	0.004

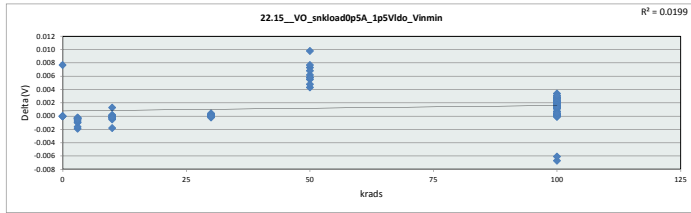


22.14_VO_noload_1p5VIdo_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.71	V				
krads	0	3	10	30	50	100
LL	0.710	0.710	0.710	0.710	0.710	0.710
Min	0.753	0.744	0.749	0.749	0.753	0.748
Average	0.754	0.750	0.752	0.754	0.755	0.754
Max	0.795	0.757	0.756	0.756	0.756	0.757
UL	0.790	0.790	0.790	0.790	0.790	0.790

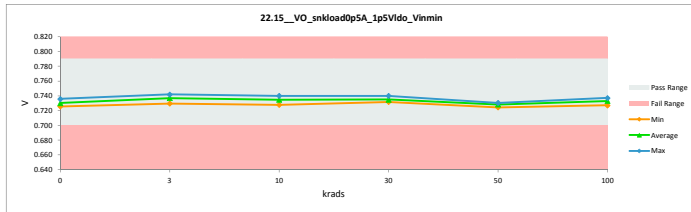


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22.15_VO_snkloadOp5A_1p5VIt				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.7	0.7		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.733	0.733	0.000
3	A79_Biased	0.741	0.742	-0.001
3	A80_Biased	0.735	0.737	-0.002
3	B1_Biased	0.738	0.739	0.000
3	B2_Biased	0.729	0.730	0.000
3	C1_Biased	0.734	0.734	0.000
3	A82_Unbiased	0.736	0.737	-0.002
3	A83_Unbiased	0.737	0.738	-0.001
3	B4_Unbiased	0.738	0.738	0.000
3	B5_Unbiased	0.737	0.737	0.000
3	C2_Unbiased	0.737	0.738	-0.001
10	A85_Biased	0.728	0.728	0.000
10	A86_Biased	0.733	0.735	-0.002
10	B6_Biased	0.739	0.738	0.001
10	C3_Biased	0.736	0.735	0.000
10	C4_Biased	0.738	0.738	0.000
10	A87_Unbiased	0.732	0.732	0.000
10	A88_Unbiased	0.740	0.740	-0.001
10	B7_Unbiased	0.735	0.736	0.000
10	C5_Unbiased	0.736	0.737	0.000
10	C6_Unbiased	0.731	0.731	0.000
0	106_Corr	0.726	0.726	0.000
30	A89_Biased	0.733	0.733	0.000
30	B8_Biased	0.740	0.740	0.000
30	B9_Biased	0.734	0.734	0.000
30	C7_Biased	0.734	0.734	0.000
30	C9_Biased	0.734	0.734	0.000
30	A90_Unbiased	0.737	0.737	0.000
30	B10_Unbiased	0.732	0.732	0.000
30	B11_Unbiased	0.736	0.736	0.000
30	C11_Unbiased	0.736	0.736	0.000
30	C12_Unbiased	0.735	0.735	0.000
0	106_Corr	0.728	0.728	0.000
0	15B_Corr	0.726	0.726	0.000
50	A92_Biased	0.737	0.729	0.007
50	A93_Biased	0.738	0.730	0.008
50	B12_Biased	0.731	0.726	0.004
50	B13_Biased	0.734	0.728	0.006
50	C14_Biased	0.734	0.728	0.006
50	A95_Unbiased	0.730	0.724	0.005
50	A96_Unbiased	0.736	0.729	0.007
50	B15_Unbiased	0.739	0.729	0.010
50	B16_Unbiased	0.732	0.727	0.005
50	C15_Unbiased	0.736	0.730	0.006
0	106_Corr	0.726	0.726	0.000
100	A97_Biased	0.733	0.731	0.002
100	A99_Biased	0.735	0.734	0.001
100	A100_Biased	0.729	0.727	0.002
100	A101_Biased	0.737	0.735	0.002
100	A102_Biased	0.738	0.734	0.003
100	A104_Biased	0.736	0.733	0.003
100	A105_Biased	0.730	0.729	0.002
100	B17_Biased	0.737	0.734	0.003
100	B18_Biased	0.729	0.728	0.000
100	B19_Biased	0.731	0.729	0.002
100	B20_Biased	0.737	0.735	0.002
100	B21_Biased	0.735	0.733	0.002
100	B24_Biased	0.733	0.732	0.001
100	B25_Biased	0.734	0.734	0.000
100	B26_Biased	0.730	0.730	0.000
100	C16_Biased	0.736	0.735	0.002
100	C17_Biased	0.734	0.732	0.002
100	C18_Biased	0.736	0.736	0.000
100	C19_Biased	0.735	0.732	0.003
100	C25_Biased	0.735	0.734	0.000
100	C26_Biased	0.735	0.732	0.003
100	C31_Biased	0.738	0.737	0.001
100	A107_Unbiased	0.734	0.733	0.002
100	A108_Unbiased	0.733	0.732	0.001
100	A109_Unbiased	0.734	0.734	0.000
100	A110_Unbiased	0.736	0.733	0.002
100	A111_Unbiased	0.735	0.735	0.000
100	A112_Unbiased	0.736	0.734	0.003
100	A113_Unbiased	0.738	0.736	0.003
100	B27_Unbiased	0.732	0.732	0.000
100	B29_Unbiased	0.737	0.736	0.000
100	B30_Unbiased	0.737	0.733	0.003
100	B31_Unbiased	0.734	0.734	0.000
100	B32_Unbiased	0.728	0.735	-0.007
100	B33_Unbiased	0.733	0.733	0.000
100	B34_Unbiased	0.727	0.733	-0.006
100	B35_Unbiased	0.731	0.730	0.001
100	C32_Unbiased	0.732	0.731	0.002
100	C33_Unbiased	0.737	0.737	0.000
100	C34_Unbiased	0.733	0.733	0.000
100	C35_Unbiased	0.734	0.731	0.002
100	C36_Unbiased	0.738	0.735	0.003
100	C37_Unbiased	0.732	0.730	0.002
100	C38_Unbiased	0.735	0.734	0.001
	Max	0.741	0.742	0.010
	Average	0.734	0.733	0.001
	Min	0.726	0.724	-0.007
	Std Dev	0.003	0.004	0.003

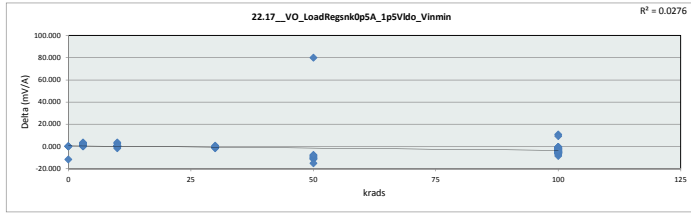


22.15_VO_snkloadOp5A_1p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.7	V				
Krads	0	3	10	30	50	100
LL	0.700	0.700	0.700	0.700	0.700	0.700
Min	0.726	0.730	0.728	0.732	0.724	0.727
Average	0.730	0.737	0.735	0.735	0.728	0.733
Max	0.736	0.742	0.740	0.740	0.731	0.737
UL	0.790	0.790	0.790	0.790	0.790	0.790

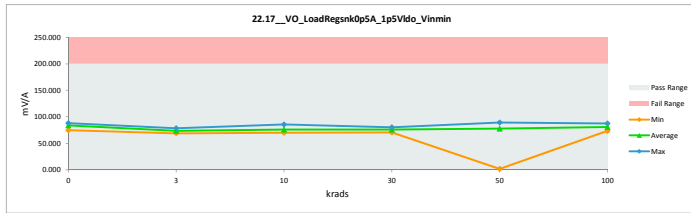


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22.17_VO_LoadRegsOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	83.025	83.025	0.000
3	A79_Biased	72.071	69.049	3.022
3	A80_Unbiased	79.963	76.359	3.604
3	B1_Biased	71.712	70.827	0.885
3	B2_Biased	78.783	78.362	0.421
3	C1_Biased	79.038	77.445	1.593
3	A82_Unbiased	76.756	74.355	2.401
3	A83_Unbiased	76.833	75.453	1.380
3	B4_Unbiased	69.791	69.789	0.002
3	B5_Unbiased	71.390	71.028	0.362
3	C2_Unbiased	74.013	73.877	0.136
10	A85_Biased	88.189	85.569	2.620
10	A86_Biased	79.883	75.757	4.126
10	B6_Biased	71.114	72.667	-1.553
10	C3_Biased	75.555	74.963	0.592
10	C4_Biased	74.811	73.896	0.915
10	A87_Unbiased	77.061	76.831	0.230
10	A88_Unbiased	70.328	69.994	0.334
10	B7_Unbiased	73.473	73.815	-0.342
10	C5_Unbiased	75.793	75.462	0.331
10	C6_Unbiased	79.197	78.816	0.381
0	106_Corr	75.019	75.019	0.000
30	A89_Biased	78.930	79.712	-0.782
30	B8_Biased	69.376	70.384	-1.008
30	B9_Biased	73.582	74.239	-0.657
30	C7_Biased	76.755	76.601	0.154
30	C9_Biased	76.741	76.129	0.612
30	A90_Unbiased	76.715	77.398	-0.683
30	B10_Unbiased	79.041	79.936	-0.895
30	B11_Unbiased	74.020	75.564	-1.544
30	C11_Unbiased	73.243	73.505	-0.262
30	C12_Unbiased	74.781	74.972	-0.191
0	106_Corr	85.601	85.601	0.000
0	158_Corr	88.193	88.193	0.000
50	A92_Biased	74.866	86.356	-11.490
50	A93_Biased	71.765	83.018	-11.253
50	B12_Biased	80.370	88.213	-7.843
50	B13_Biased	73.510	83.323	-9.813
50	C14_Biased	76.302	85.905	-9.603
50	A95_Unbiased	82.013	1.925	80.028
50	A96_Unbiased	74.758	85.586	-10.828
50	B15_Unbiased	74.269	89.434	-15.165
50	B16_Unbiased	80.099	88.856	-8.757
50	C15_Unbiased	77.943	85.559	-7.616
0	106_Corr	75.019	86.639	-11.620
100	A97_Biased	79.241	83.425	-4.184
100	A99_Biased	77.756	80.634	-2.878
100	A100_Biased	80.709	86.696	-5.987
100	A101_Biased	74.480	78.372	-3.892
100	A102_Biased	74.561	83.043	-8.482
100	A104_Biased	75.039	81.351	-6.312
100	A105_Biased	82.441	87.647	-5.206
100	B17_Biased	72.969	78.801	-5.832
100	B18_Biased	79.957	84.047	-4.090
100	B19_Biased	79.574	86.631	-7.057
100	B20_Biased	72.290	75.189	-2.899
100	B21_Biased	77.925	83.583	-5.658
100	B24_Biased	74.583	78.166	-3.583
100	B25_Biased	75.688	76.156	-0.468
100	B26_Biased	75.969	76.520	-0.551
100	C16_Biased	78.337	81.468	-3.131
100	C17_Biased	77.293	82.930	-5.637
100	C18_Biased	77.876	83.572	-5.696
100	C19_Biased	74.679	80.947	-6.268
100	C25_Biased	76.130	77.194	-1.064
100	C26_Biased	79.079	85.026	-5.947
100	C31_Biased	74.088	76.139	-2.051
100	A107_Unbiased	75.482	80.174	-4.692
100	A108_Unbiased	81.612	85.686	-4.074
100	A109_Unbiased	78.592	80.444	-1.852
100	A110_Unbiased	78.291	83.425	-5.134
100	A111_Unbiased	76.600	81.712	-5.112
100	A112_Unbiased	79.055	85.067	-6.012
100	A113_Unbiased	71.232	76.976	-5.744
100	B27_Unbiased	75.948	76.474	-0.526
100	B29_Unbiased	73.623	76.077	-2.454
100	B30_Unbiased	76.802	78.620	-1.818
100	B31_Unbiased	76.617	79.356	-2.739
100	B32_Unbiased	86.734	76.056	10.678
100	B33_Unbiased	73.760	75.236	-1.476
100	B34_Unbiased	89.406	79.976	9.430
100	B35_Unbiased	80.327	82.260	-1.933
100	C32_Unbiased	78.530	82.975	-4.445
100	C33_Unbiased	72.727	73.368	-0.641
100	C34_Unbiased	79.330	81.369	-2.039
100	C35_Unbiased	76.401	81.303	-4.902
100	C36_Unbiased	73.058	78.769	-5.711
100	C37_Unbiased	78.678	83.576	-4.898
100	C38_Unbiased	76.203	80.313	-4.110
	Max	89.406	89.434	80.028
	Average	76.863	78.587	-1.724
	Min	69.376	1.985	-15.165
	Std Dev	3.977	9.598	9.739

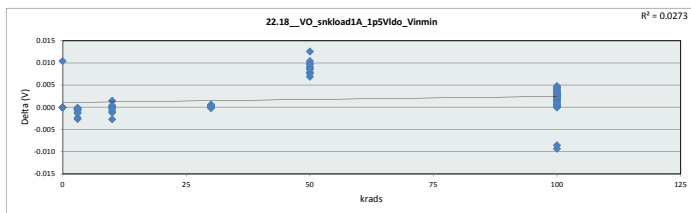


22.17_VO_LoadRegsOp5A						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	75.019	69.049	69.994	70.384	1.985	73.368
Average	83.695	73.654	75.777	75.844	77.824	80.562
Max	88.193	78.362	85.569	79.936	89.434	87.647
UL	200.000	200.000	200.000	200.000	200.000	200.000

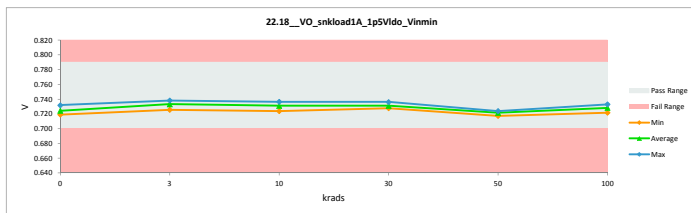


TID 100krad LDR Report
TPS7H3301-SP

22.18_VO_snkload1A_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.7	0.7		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.728	0.728	0.000
3	A79_Biased	0.737	0.738	-0.001
3	A80_Biased	0.731	0.733	-0.003
3	B1_Biased	0.735	0.735	0.000
3	B2_Biased	0.725	0.726	0.000
3	C1_Biased	0.729	0.730	-0.001
3	A89_Unbiased	0.731	0.734	-0.002
3	A88_Unbiased	0.733	0.734	-0.001
3	B4_Unbiased	0.734	0.734	0.000
3	B5_Unbiased	0.733	0.733	0.000
3	C2_Unbiased	0.734	0.734	-0.001
10	A85_Biased	0.723	0.724	-0.001
10	A86_Biased	0.728	0.731	-0.003
10	B6_Biased	0.735	0.734	0.002
10	C3_Biased	0.732	0.731	0.000
10	C4_Biased	0.734	0.734	0.000
10	A87_Unbiased	0.728	0.728	0.000
10	A88_Unbiased	0.736	0.737	-0.001
10	B7_Unbiased	0.732	0.732	0.000
10	C5_Unbiased	0.733	0.733	0.000
10	C6_Unbiased	0.727	0.727	0.000
0	106_Corr	0.722	0.722	0.000
30	A89_Biased	0.729	0.729	0.000
30	B8_Biased	0.737	0.736	0.000
30	B9_Biased	0.731	0.730	0.000
30	C7_Biased	0.730	0.730	0.000
30	C9_Biased	0.730	0.730	0.000
30	A90_Unbiased	0.733	0.733	0.000
30	B10_Unbiased	0.728	0.728	0.001
30	B11_Unbiased	0.733	0.732	0.000
30	C11_Unbiased	0.733	0.732	0.000
30	C12_Unbiased	0.731	0.731	0.000
0	106_Corr	0.722	0.722	0.000
0	15B_Corr	0.719	0.719	0.000
50	A92_Biased	0.733	0.723	0.010
50	A93_Biased	0.734	0.724	0.010
50	B12_Biased	0.727	0.720	0.007
50	B13_Biased	0.730	0.721	0.009
50	C14_Biased	0.730	0.721	0.009
50	A95_Unbiased	0.725	0.717	0.008
50	A96_Unbiased	0.732	0.722	0.010
50	B15_Unbiased	0.735	0.722	0.013
50	B16_Unbiased	0.728	0.720	0.008
50	C15_Unbiased	0.732	0.724	0.009
0	106_Corr	0.722	0.722	0.000
100	A97_Biased	0.729	0.727	0.002
100	A99_Biased	0.731	0.729	0.002
100	A100_Biased	0.725	0.722	0.003
100	A101_Biased	0.733	0.730	0.003
100	A102_Biased	0.734	0.729	0.005
100	A104_Biased	0.732	0.727	0.005
100	A105_Biased	0.726	0.723	0.003
100	B17_Biased	0.733	0.729	0.004
100	B18_Biased	0.725	0.723	0.001
100	B19_Biased	0.727	0.724	0.003
100	B20_Biased	0.733	0.731	0.002
100	B21_Biased	0.731	0.728	0.003
100	B24_Biased	0.729	0.727	0.001
100	B25_Biased	0.730	0.730	0.000
100	B26_Biased	0.726	0.726	0.000
100	C16_Biased	0.732	0.730	0.002
100	C17_Biased	0.731	0.727	0.003
100	C18_Biased	0.732	0.730	0.002
100	C19_Biased	0.731	0.727	0.004
100	C25_Biased	0.731	0.730	0.001
100	C26_Biased	0.731	0.727	0.004
100	C31_Biased	0.735	0.733	0.002
100	A107_Unbiased	0.730	0.728	0.002
100	A108_Unbiased	0.728	0.727	0.001
100	A109_Unbiased	0.730	0.730	0.000
100	A110_Unbiased	0.732	0.728	0.003
100	A111_Unbiased	0.731	0.728	0.003
100	A112_Unbiased	0.733	0.729	0.004
100	A113_Unbiased	0.735	0.731	0.003
100	B27_Unbiased	0.729	0.728	0.000
100	B29_Unbiased	0.733	0.732	0.000
100	B30_Unbiased	0.730	0.729	0.000
100	B31_Unbiased	0.730	0.730	0.000
100	B32_Unbiased	0.722	0.731	-0.009
100	B33_Unbiased	0.729	0.729	0.000
100	B34_Unbiased	0.729	0.729	-0.008
100	B35_Unbiased	0.727	0.726	0.001
100	C32_Unbiased	0.728	0.726	0.003
100	C33_Unbiased	0.733	0.733	0.000
100	C34_Unbiased	0.729	0.729	0.001
100	C35_Unbiased	0.730	0.726	0.003
100	C36_Unbiased	0.734	0.730	0.004
100	C37_Unbiased	0.728	0.725	0.003
100	C38_Unbiased	0.732	0.729	0.002
	Max	0.737	0.738	0.013
	Average	0.730	0.728	0.002
	Min	0.719	0.717	-0.009
	Std Dev	0.004	0.004	0.004

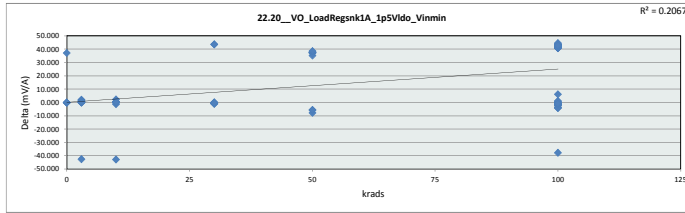


22.18_VO_snkload1A_1p5Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.7	V				
Krads	0	3	10	30	50	100
LL	0.700	0.700	0.700	0.700	0.700	0.700
Min	0.719	0.726	0.724	0.728	0.718	0.722
Average	0.724	0.733	0.731	0.731	0.722	0.728
Max	0.732	0.738	0.737	0.736	0.724	0.733
UL	0.790	0.790	0.790	0.790	0.790	0.790

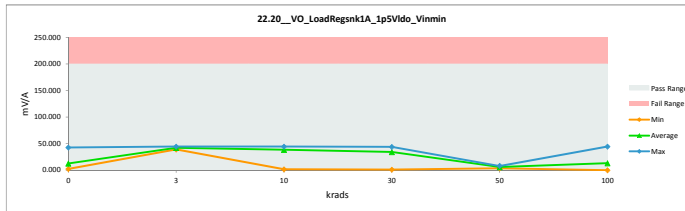


TID 100krad LDR Report
TPS7H3301-SP

22_20_VO_LoadReqsK1A_1p5k				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.217	2.217	0.000
3	A79_Biased	41.197	39.289	1.908
3	A80_Unbiased	0.629	43.266	-42.637
3	B1_Biased	40.926	40.425	0.501
3	B2_Biased	44.720	44.521	0.199
3	C1_Biased	44.841	43.874	0.967
3	A82_Unbiased	44.195	42.199	1.996
3	A83_Unbiased	44.297	43.037	1.260
3	B4_Unbiased	39.897	39.918	-0.021
3	B5_Unbiased	40.690	40.536	0.154
3	C2_Unbiased	41.981	41.979	0.002
10	A85_Biased	3.920	1.502	2.418
10	A86_Biased	0.258	42.993	-42.735
10	B6_Biased	40.539	41.759	-1.220
10	C3_Biased	42.799	42.867	-0.068
10	C4_Biased	42.469	42.187	0.282
10	A87_Unbiased	43.589	43.422	0.167
10	A88_Unbiased	40.403	39.903	0.500
10	B7_Unbiased	41.830	41.903	-0.073
10	C5_Unbiased	42.936	42.581	0.355
10	C6_Unbiased	44.813	44.660	0.153
0	106_Corr	42.667	42.667	0.000
30	A89_Biased	44.738	1.107	43.631
30	B8_Biased	39.550	40.314	-0.764
30	B9_Biased	41.829	42.402	-0.573
30	C7_Biased	43.266	43.419	-0.153
30	C9_Biased	43.486	43.252	0.234
30	A90_Unbiased	43.322	43.786	-0.464
30	B10_Unbiased	44.700	1.165	43.535
30	B11_Unbiased	41.926	43.006	-1.080
30	C11_Unbiased	41.596	41.926	-0.332
30	C12_Unbiased	42.270	42.534	-0.264
0	106_Corr	5.071	5.071	0.000
0	15B_Corr	6.246	6.246	0.000
50	A92_Biased	42.558	5.414	37.144
50	A93_Biased	40.898	3.544	37.344
50	B12_Biased	0.908	6.585	-5.677
50	B13_Biased	41.699	4.049	37.650
50	C14_Biased	43.085	5.328	37.757
50	A95_Unbiased	0.273	8.043	-7.770
50	A96_Unbiased	42.598	5.213	37.385
50	B15_Unbiased	42.230	7.051	35.179
50	B16_Unbiased	1.275	6.898	-5.623
50	C15_Unbiased	44.184	5.491	38.693
0	106_Corr	42.667	5.632	37.035
100	A97_Biased	44.898	1.514	43.384
100	A99_Biased	44.219	0.266	43.953
100	A100_Biased	0.136	4.053	-3.917
100	A101_Biased	42.420	0.865	41.555
100	A102_Biased	42.524	1.737	40.787
100	A104_Biased	42.284	1.300	40.984
100	A105_Biased	0.221	4.321	-4.100
100	B17_Biased	41.537	0.519	41.018
100	B18_Biased	45.178	2.041	43.137
100	B19_Biased	44.958	3.458	41.500
100	B20_Biased	41.153	43.501	-2.348
100	B21_Biased	43.803	1.547	42.256
100	B24_Biased	42.472	1.296	41.176
100	B25_Biased	42.981	43.180	-0.299
100	B26_Biased	43.219	43.680	-0.461
100	C16_Biased	44.515	0.825	43.690
100	C17_Biased	43.719	1.823	41.896
100	C18_Biased	44.017	1.031	42.986
100	C19_Biased	42.356	0.913	41.443
100	C25_Biased	43.155	44.298	-1.143
100	C26_Biased	44.655	3.278	41.377
100	C31_Biased	42.059	43.770	-1.711
100	A107_Unbiased	43.442	0.293	43.149
100	A108_Unbiased	0.629	3.067	-2.438
100	A109_Unbiased	0.936	0.113	0.823
100	A110_Unbiased	44.619	1.758	42.861
100	A111_Unbiased	43.722	0.910	42.812
100	A112_Unbiased	44.786	2.900	41.886
100	A113_Unbiased	40.638	44.600	-3.962
100	B27_Unbiased	43.031	43.383	-0.352
100	B29_Unbiased	41.784	43.284	-1.500
100	B30_Unbiased	43.404	44.605	-1.201
100	B31_Unbiased	43.326	1.223	42.103
100	B32_Unbiased	5.601	43.305	-37.704
100	B33_Unbiased	41.990	42.808	-0.818
100	B34_Unbiased	7.054	0.993	6.061
100	B35_Unbiased	1.143	0.028	1.115
100	C32_Unbiased	44.440	1.572	42.868
100	C33_Unbiased	41.260	42.031	-0.771
100	C34_Unbiased	44.763	0.162	44.601
100	C35_Unbiased	43.270	0.628	42.642
100	C36_Unbiased	41.627	0.223	41.404
100	C37_Unbiased	44.514	2.406	42.108
100	C38_Unbiased	43.040	0.064	42.976
	Max	45.178	44.660	44.601
	Average	35.591	20.615	14.976
	Min	0.136	0.028	-42.735
	Std Dev	15.764	20.133	23.083



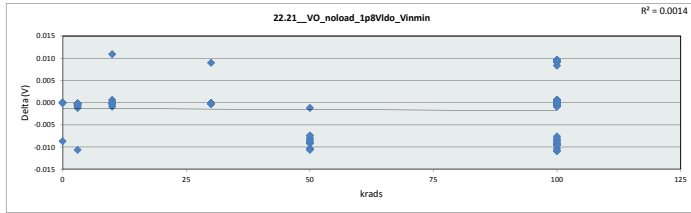
22_20_VO_LoadReqsK1A_1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.217	39.289	1.502	1.107	3.554	0.028
Average	12.367	41.904	38.378	34.291	5.763	12.945
Max	42.667	44.521	44.660	43.786	8.043	44.605
UL	200.000	200.000	200.000	200.000	200.000	200.000



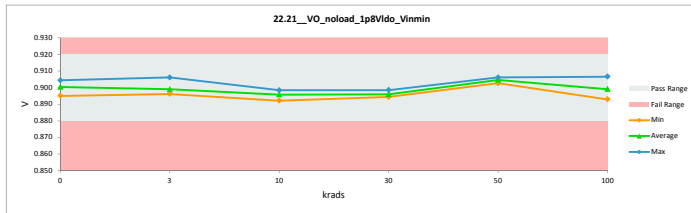
TID 100krad LDR Report
TPS7H3301-SP

22.21_VO_noload_1p8VIdo_Vin			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	0.92	0.92	
Min Limit	0.88	0.88	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.895	0.895	0.000
3	A79_Biased	0.900	0.900	-0.001
3	A80_Biased	0.896	0.897	-0.001
3	B1_Biased	0.897	0.898	0.000
3	B2_Biased	0.903	0.903	0.000
3	C1_Biased	0.896	0.906	-0.011
3	A82_Unbiased	0.896	0.897	-0.001
3	A83_Unbiased	0.897	0.898	-0.001
3	B4_Unbiased	0.896	0.896	0.000
3	B5_Unbiased	0.896	0.896	0.000
3	C2_Unbiased	0.897	0.898	0.000
10	A85_Biased	0.903	0.892	0.011
10	A86_Biased	0.896	0.896	-0.001
10	B6_Biased	0.898	0.897	0.001
10	C3_Biased	0.896	0.896	0.000
10	C4_Biased	0.898	0.898	0.000
10	A87_Unbiased	0.894	0.894	0.000
10	A88_Unbiased	0.898	0.898	0.000
10	B7_Unbiased	0.896	0.896	0.000
10	C5_Unbiased	0.897	0.897	0.000
10	C6_Unbiased	0.893	0.893	0.000
0	106_Corr	0.896	0.896	0.000
30	A89_Biased	0.894	0.894	0.000
30	B8_Biased	0.898	0.899	0.000
30	B9_Biased	0.895	0.895	0.000
30	C7_Biased	0.895	0.896	0.000
30	C9_Biased	0.895	0.895	0.000
30	A90_Unbiased	0.897	0.897	0.000
30	B10_Unbiased	0.894	0.895	0.000
30	B11_Unbiased	0.896	0.897	0.000
30	C11_Unbiased	0.896	0.897	0.000
30	C12_Unbiased	0.895	0.896	0.000
0	106_Corr	0.904	0.904	0.000
0	15B_Corr	0.903	0.903	0.000
50	A92_Biased	0.897	0.906	-0.008
50	A93_Biased	0.897	0.905	-0.008
50	B12_Biased	0.893	0.904	-0.010
50	B13_Biased	0.894	0.904	-0.010
50	C14_Biased	0.895	0.904	-0.009
50	A95_Unbiased	0.901	0.903	-0.001
50	A96_Unbiased	0.896	0.905	-0.009
50	B15_Unbiased	0.898	0.905	-0.007
50	B16_Unbiased	0.894	0.904	-0.011
50	C15_Unbiased	0.897	0.906	-0.009
0	106_Corr	0.896	0.896	0.000
100	A97_Biased	0.894	0.894	0.000
100	A99_Biased	0.896	0.896	0.000
100	A100_Biased	0.902	0.901	0.000
100	A101_Biased	0.897	0.906	-0.009
100	A102_Biased	0.897	0.905	-0.008
100	A104_Biased	0.896	0.896	0.000
100	A105_Biased	0.893	0.903	-0.010
100	B17_Biased	0.896	0.896	0.000
100	B18_Biased	0.902	0.902	0.000
100	B19_Biased	0.902	0.893	0.009
100	B20_Biased	0.896	0.896	0.000
100	B21_Biased	0.896	0.896	0.000
100	B24_Biased	0.893	0.894	-0.001
100	B25_Biased	0.894	0.895	-0.001
100	B26_Biased	0.900	0.901	0.000
100	C16_Biased	0.897	0.906	-0.009
100	C17_Biased	0.905	0.896	0.009
100	C18_Biased	0.897	0.906	-0.009
100	C19_Biased	0.895	0.904	-0.009
100	C25_Biased	0.895	0.904	-0.008
100	C26_Biased	0.896	0.896	0.001
100	C31_Biased	0.899	0.899	0.000
100	A107_Unbiased	0.896	0.896	0.000
100	A108_Unbiased	0.905	0.896	0.010
100	A109_Unbiased	0.896	0.907	-0.011
100	A110_Unbiased	0.896	0.896	0.000
100	A111_Unbiased	0.896	0.896	0.000
100	A112_Unbiased	0.906	0.897	0.009
100	A113_Unbiased	0.897	0.897	0.001
100	B27_Unbiased	0.892	0.903	-0.011
100	B29_Unbiased	0.896	0.906	-0.009
100	B30_Unbiased	0.894	0.895	-0.001
100	B31_Unbiased	0.896	0.897	-0.001
100	B32_Unbiased	0.905	0.897	0.008
100	B33_Unbiased	0.894	0.895	-0.001
100	B34_Unbiased	0.903	0.894	0.009
100	B35_Unbiased	0.902	0.902	0.001
100	C32_Unbiased	0.904	0.894	0.010
100	C33_Unbiased	0.896	0.906	-0.010
100	C34_Unbiased	0.895	0.895	0.000
100	C35_Unbiased	0.894	0.902	-0.009
100	C36_Unbiased	0.898	0.897	0.001
100	C37_Unbiased	0.904	0.903	0.000
100	C38_Unbiased	0.896	0.904	-0.008
	Max	0.906	0.907	0.011
	Average	0.897	0.897	-0.002
	Min	0.892	0.892	-0.011
	Std Dev	0.003	0.004	0.005

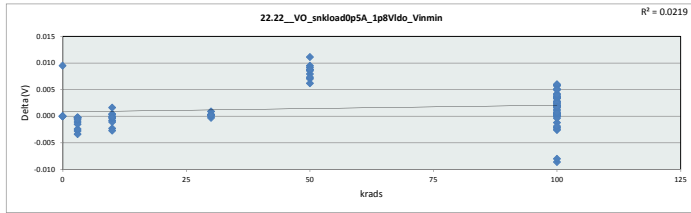


22.21_VO_noload_1p8VIdo_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.92 V					
Min Limit	0.88 V					
krads	LL	3	10	30	50	100
LL	0.880	0.880	0.880	0.880	0.880	0.880
Min	0.895	0.896	0.892	0.894	0.903	0.893
Average	0.900	0.899	0.896	0.896	0.905	0.899
Max	0.904	0.906	0.898	0.899	0.906	0.907
UL	0.920	0.920	0.920	0.920	0.920	0.920

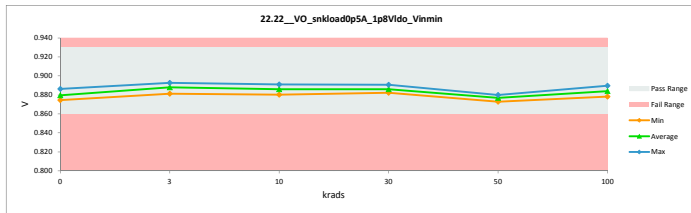


TID 100krad LDR Report
TPS7H3301-SP

22.22_VO_snkloadOp5A_1p8VIt				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.93	0.93		
Min Limit	0.86	0.86		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.882	0.882	0.000
3	A79_Biased	0.892	0.893	-0.001
3	A80_Biased	0.885	0.888	-0.003
3	B1_Biased	0.889	0.890	0.000
3	B2_Biased	0.881	0.881	0.000
3	C1_Biased	0.884	0.887	-0.003
3	A82_Unbiased	0.886	0.888	-0.002
3	A83_Unbiased	0.887	0.889	-0.002
3	B4_Unbiased	0.888	0.888	0.000
3	B5_Unbiased	0.888	0.888	0.000
3	C2_Unbiased	0.888	0.889	-0.001
10	A85_Biased	0.878	0.880	-0.002
10	A86_Biased	0.882	0.885	-0.003
10	B6_Biased	0.890	0.888	0.002
10	C3_Biased	0.886	0.887	-0.001
10	C4_Biased	0.889	0.889	0.000
10	A87_Unbiased	0.883	0.883	0.000
10	A88_Unbiased	0.890	0.891	-0.001
10	B7_Unbiased	0.887	0.886	0.000
10	C5_Unbiased	0.887	0.887	0.000
10	C6_Unbiased	0.881	0.882	0.000
0	106_Corr	0.886	0.886	0.000
30	A89_Biased	0.883	0.883	0.000
30	B8_Biased	0.891	0.891	0.000
30	B9_Biased	0.885	0.885	0.000
30	C7_Biased	0.884	0.884	0.000
30	C9_Biased	0.884	0.884	0.000
30	A90_Unbiased	0.887	0.887	0.000
30	B10_Unbiased	0.883	0.882	0.001
30	B11_Unbiased	0.887	0.887	0.000
30	C11_Unbiased	0.888	0.888	0.000
30	C12_Unbiased	0.886	0.886	0.000
0	106_Corr	0.877	0.877	0.000
0	15B_Corr	0.874	0.874	0.000
50	A92_Biased	0.887	0.878	0.009
50	A93_Biased	0.889	0.879	0.010
50	B12_Biased	0.881	0.875	0.006
50	B13_Biased	0.884	0.876	0.008
50	C14_Biased	0.885	0.877	0.008
50	A95_Unbiased	0.882	0.873	0.009
50	A96_Unbiased	0.886	0.878	0.009
50	B15_Unbiased	0.890	0.879	0.011
50	B16_Unbiased	0.882	0.875	0.007
50	C15_Unbiased	0.887	0.880	0.007
0	106_Corr	0.886	0.877	0.009
100	A97_Biased	0.885	0.881	0.004
100	A99_Biased	0.885	0.883	0.002
100	A100_Biased	0.882	0.878	0.004
100	A101_Biased	0.888	0.887	0.001
100	A102_Biased	0.888	0.888	0.000
100	A104_Biased	0.887	0.882	0.005
100	A105_Biased	0.881	0.879	0.001
100	B17_Biased	0.887	0.884	0.003
100	B18_Biased	0.881	0.879	0.002
100	B19_Biased	0.884	0.879	0.005
100	B20_Biased	0.887	0.886	0.002
100	B21_Biased	0.886	0.883	0.003
100	B24_Biased	0.883	0.882	0.001
100	B25_Biased	0.885	0.885	0.000
100	B26_Biased	0.883	0.883	0.000
100	C16_Biased	0.887	0.887	0.000
100	C17_Biased	0.888	0.882	0.006
100	C18_Biased	0.887	0.887	0.000
100	C19_Biased	0.886	0.882	0.003
100	C25_Biased	0.886	0.888	-0.002
100	C26_Biased	0.887	0.882	0.006
100	C31_Biased	0.891	0.888	0.003
100	A107_Unbiased	0.885	0.883	0.002
100	A108_Unbiased	0.884	0.882	0.002
100	A109_Unbiased	0.884	0.887	-0.003
100	A110_Unbiased	0.886	0.883	0.003
100	A111_Unbiased	0.885	0.883	0.002
100	A112_Unbiased	0.890	0.884	0.006
100	A113_Unbiased	0.889	0.886	0.004
100	B27_Unbiased	0.883	0.885	-0.002
100	B29_Unbiased	0.887	0.888	-0.001
100	B30_Unbiased	0.884	0.884	0.000
100	B31_Unbiased	0.885	0.885	0.000
100	B32_Unbiased	0.877	0.886	-0.009
100	B33_Unbiased	0.884	0.884	0.000
100	B34_Unbiased	0.875	0.883	-0.008
100	B35_Unbiased	0.884	0.883	0.001
100	C32_Unbiased	0.884	0.881	0.004
100	C33_Unbiased	0.888	0.890	-0.002
100	C34_Unbiased	0.884	0.883	0.001
100	C35_Unbiased	0.885	0.885	0.000
100	C36_Unbiased	0.889	0.885	0.004
100	C37_Unbiased	0.885	0.880	0.005
100	C38_Unbiased	0.888	0.886	0.002
	Max	0.892	0.893	0.011
	Average	0.885	0.884	0.002
	Min	0.874	0.873	-0.009
	Std Dev	0.003	0.004	0.004

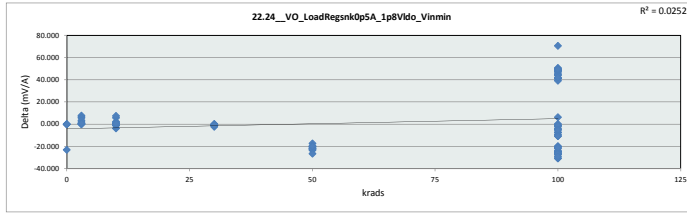


22.22_VO_snkloadOp5A_1p8V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.93	V				
Min Limit	0.86	V				
Krads	0	3	10	30	50	100
LL	0.860	0.860	0.860	0.860	0.860	0.860
Min	0.874	0.881	0.880	0.882	0.873	0.878
Average	0.879	0.888	0.886	0.886	0.877	0.884
Max	0.886	0.893	0.891	0.891	0.880	0.890
UL	0.930	0.930	0.930	0.930	0.930	0.930

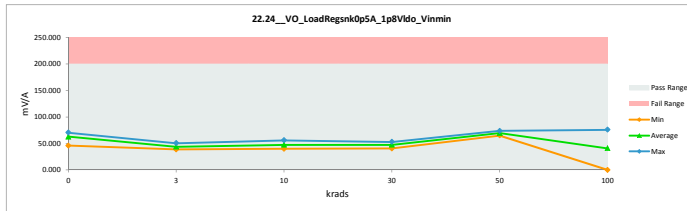


TID 100krad LDR Report
TPS7H3301-SP

22_24_VO_LoadRegsKOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	59.771	59.771	0.000
3	A79_Biased	40.687	38.512	2.175
3	A80_Unbiased	52.155	45.370	6.785
3	B1_Biased	41.535	41.130	0.405
3	B2_Biased	50.980	50.532	0.448
3	C1_Biased	50.978	43.216	7.762
3	A82_Unbiased	50.835	44.941	5.894
3	A83_Unbiased	49.900	46.424	3.476
3	B4_Unbiased	42.147	41.943	0.204
3	B5_Unbiased	42.412	42.323	0.089
3	C2_Unbiased	44.750	43.737	1.013
10	A85_Biased	61.576	55.766	5.810
10	A86_Biased	56.370	48.876	7.494
10	B6_Biased	42.385	46.206	-3.821
10	C3_Biased	46.264	44.976	1.288
10	C4_Biased	42.387	43.549	-1.162
10	A87_Unbiased	51.020	50.773	0.247
10	A88_Unbiased	42.423	40.021	2.402
10	B7_Unbiased	44.158	44.863	-0.705
10	C5_Unbiased	47.020	46.079	0.941
10	C6_Unbiased	52.579	52.058	0.521
0	106_Corr	45.808	45.808	0.000
30	A89_Biased	50.562	51.324	-0.762
30	B8_Biased	39.429	40.394	-0.965
30	B9_Biased	46.409	47.325	-0.916
30	C7_Biased	49.058	49.799	-0.731
30	C9_Biased	49.412	49.079	0.333
30	A90_Unbiased	46.456	46.799	-0.343
30	B10_Unbiased	50.523	52.918	-2.395
30	B11_Unbiased	45.999	46.697	-0.698
30	C11_Unbiased	40.746	41.743	-0.997
30	C12_Unbiased	46.935	47.797	-0.862
0	106_Corr	68.581	68.581	0.000
0	15B_Corr	70.395	70.395	0.000
50	A92_Biased	46.656	68.252	-21.596
50	A93_Biased	42.577	64.978	-22.401
50	B12_Biased	55.711	72.889	-17.178
50	B13_Biased	48.791	68.861	-20.070
50	C14_Biased	48.359	69.587	-21.228
50	A95_Unbiased	50.204	73.530	-23.326
50	A96_Unbiased	46.308	68.584	-22.276
50	B15_Unbiased	42.029	68.540	-26.511
50	B16_Unbiased	52.582	72.027	-19.445
50	C15_Unbiased	47.376	67.197	-19.821
0	106_Corr	45.808	68.930	-23.122
100	A97_Biased	46.794	2.777	44.017
100	A99_Biased	50.305	55.212	-4.907
100	A100_Biased	50.333	2.694	47.639
100	A101_Biased	44.190	68.902	-24.712
100	A102_Biased	43.830	70.763	-26.933
100	A104_Biased	46.419	0.396	46.023
100	A105_Biased	55.244	4.561	50.683
100	B17_Biased	44.531	53.780	-9.249
100	B18_Biased	49.115	56.472	-7.357
100	B19_Biased	46.940	5.391	41.549
100	B20_Biased	44.675	72.086	-27.411
100	B21_Biased	49.421	56.745	-7.324
100	B24_Biased	48.465	52.324	-3.859
100	B25_Biased	47.993	73.012	-25.019
100	B26_Biased	44.811	68.751	-23.940
100	C16_Biased	47.151	48.170	-1.019
100	C17_Biased	41.262	0.331	40.931
100	C18_Biased	47.555	72.330	-24.775
100	C19_Biased	46.104	1.278	44.826
100	C25_Biased	46.956	66.938	-19.982
100	C26_Biased	45.238	3.781	41.457
100	C31_Biased	39.445	70.181	-30.736
100	A107_Unbiased	50.952	1.030	49.922
100	A108_Unbiased	52.585	3.566	49.019
100	A109_Unbiased	55.122	48.741	6.381
100	A110_Unbiased	49.890	1.656	48.234
100	A111_Unbiased	49.251	0.956	48.295
100	A112_Unbiased	41.561	2.411	39.150
100	A113_Unbiased	42.319	72.961	-30.642
100	B27_Unbiased	49.188	68.971	-19.783
100	B29_Unbiased	44.769	66.680	-21.911
100	B30_Unbiased	49.645	75.776	-26.131
100	B31_Unbiased	48.811	75.236	-26.425
100	B32_Unbiased	69.726	71.839	-2.113
100	B33_Unbiased	48.501	48.324	0.177
100	B34_Unbiased	71.280	0.698	70.582
100	B35_Unbiased	47.081	47.999	-0.918
100	C32_Unbiased	46.876	57.640	-10.764
100	C33_Unbiased	42.750	63.837	-21.087
100	C34_Unbiased	49.880	0.147	49.733
100	C35_Unbiased	46.697	51.948	-5.251
100	C36_Unbiased	42.036	52.741	-10.705
100	C37_Unbiased	43.936	1.836	42.100
100	C38_Unbiased	42.992	71.960	-28.968
	Max	71.280	75.776	70.582
	Average	48.334	47.044	1.290
	Min	39.429	0.147	-30.736
	Std Dev	6.358	23.642	24.287

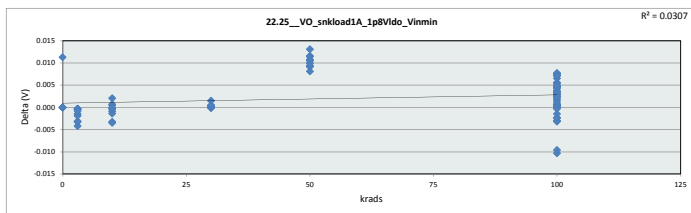


22_24_VO_LoadRegsKOp5A						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	45.808	38.512	40.021	40.394	64.978	0.147
Average	62.697	43.813	47.317	47.387	69.445	40.769
Max	70.395	50.532	55.766	52.918	73.530	75.776
UL	200.000	200.000	200.000	200.000	200.000	200.000

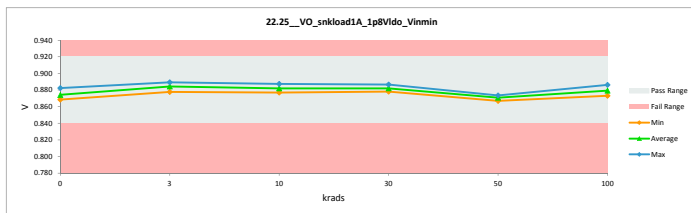


TID 100krad LDR Report
TPS7H3301-SP

22_25_VO_snkload1A_1p8Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.92	0.92		
Min Limit	0.84	0.84		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.877	0.877	0.000
3	A79_Biased	0.888	0.889	-0.001
3	A80_Biased	0.881	0.884	-0.003
3	B1_Biased	0.886	0.886	0.000
3	B2_Biased	0.877	0.878	0.000
3	C1_Biased	0.880	0.884	-0.004
3	A82_Unbiased	0.881	0.884	-0.003
3	A83_Unbiased	0.883	0.885	-0.002
3	B4_Unbiased	0.885	0.885	0.000
3	B5_Unbiased	0.884	0.884	0.000
3	C2_Unbiased	0.884	0.885	-0.001
10	A85_Biased	0.874	0.877	-0.003
10	A86_Biased	0.878	0.881	-0.004
10	B6_Biased	0.886	0.884	0.002
10	C3_Biased	0.882	0.883	-0.001
10	C4_Biased	0.886	0.885	0.001
10	A87_Unbiased	0.879	0.879	0.000
10	A88_Unbiased	0.886	0.887	-0.001
10	B7_Unbiased	0.883	0.882	0.001
10	C5_Unbiased	0.883	0.884	0.000
10	C6_Unbiased	0.878	0.878	0.000
0	106_Corr	0.882	0.882	0.000
30	A89_Biased	0.879	0.879	0.000
30	B8_Biased	0.887	0.887	0.000
30	B9_Biased	0.881	0.881	0.000
30	C7_Biased	0.881	0.880	0.000
30	C9_Biased	0.880	0.881	0.000
30	A90_Unbiased	0.883	0.883	0.000
30	B10_Unbiased	0.880	0.878	0.002
30	B11_Unbiased	0.883	0.883	0.000
30	C11_Unbiased	0.885	0.885	0.000
30	C12_Unbiased	0.882	0.882	0.001
0	106_Corr	0.871	0.871	0.000
0	15B_Corr	0.869	0.869	0.000
50	A92_Biased	0.883	0.873	0.011
50	A93_Biased	0.885	0.874	0.011
50	B12_Biased	0.877	0.869	0.008
50	B13_Biased	0.880	0.870	0.010
50	C14_Biased	0.881	0.871	0.011
50	A95_Unbiased	0.878	0.878	0.012
50	A96_Unbiased	0.882	0.872	0.011
50	B15_Unbiased	0.886	0.873	0.013
50	B16_Unbiased	0.878	0.869	0.009
50	C15_Unbiased	0.883	0.874	0.009
0	106_Corr	0.882	0.871	0.011
100	A97_Biased	0.882	0.877	0.006
100	A99_Biased	0.881	0.879	0.002
100	A100_Biased	0.878	0.873	0.005
100	A101_Biased	0.884	0.883	0.001
100	A102_Biased	0.884	0.884	0.001
100	A104_Biased	0.883	0.876	0.007
100	A105_Biased	0.876	0.875	0.002
100	B17_Biased	0.883	0.879	0.004
100	B18_Biased	0.878	0.875	0.003
100	B19_Biased	0.881	0.874	0.007
100	B20_Biased	0.884	0.881	0.003
100	B21_Biased	0.882	0.878	0.004
100	B24_Biased	0.879	0.878	0.002
100	B25_Biased	0.881	0.881	0.000
100	B26_Biased	0.880	0.881	0.000
100	C16_Biased	0.883	0.883	0.000
100	C17_Biased	0.885	0.878	0.008
100	C18_Biased	0.883	0.882	0.001
100	C19_Biased	0.882	0.877	0.005
100	C25_Biased	0.882	0.884	-0.002
100	C26_Biased	0.884	0.876	0.007
100	C31_Biased	0.888	0.883	0.005
100	A107_Unbiased	0.880	0.878	0.003
100	A108_Unbiased	0.880	0.877	0.003
100	A109_Unbiased	0.879	0.883	-0.003
100	A110_Unbiased	0.882	0.878	0.003
100	A111_Unbiased	0.881	0.878	0.003
100	A112_Unbiased	0.887	0.879	0.008
100	A113_Unbiased	0.886	0.881	0.005
100	B27_Unbiased	0.879	0.882	-0.003
100	B29_Unbiased	0.883	0.885	-0.002
100	B30_Unbiased	0.880	0.880	0.000
100	B31_Unbiased	0.881	0.881	0.001
100	B32_Unbiased	0.871	0.882	-0.010
100	B33_Unbiased	0.880	0.880	0.000
100	B34_Unbiased	0.870	0.870	-0.010
100	B35_Unbiased	0.881	0.880	0.001
100	C32_Unbiased	0.881	0.876	0.005
100	C33_Unbiased	0.884	0.886	-0.002
100	C34_Unbiased	0.880	0.879	0.001
100	C35_Unbiased	0.881	0.879	0.002
100	C36_Unbiased	0.885	0.880	0.005
100	C37_Unbiased	0.882	0.875	0.007
100	C38_Unbiased	0.885	0.882	0.002
	Max	0.888	0.889	0.013
	Average	0.881	0.879	0.002
	Min	0.869	0.867	-0.010
	Std Dev	0.004	0.005	0.004

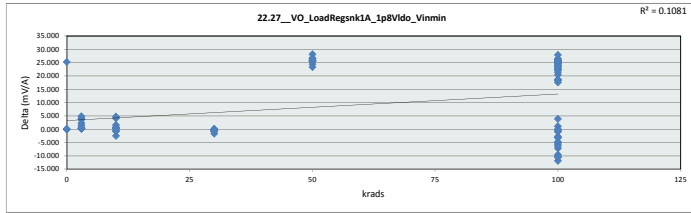


22_25_VO_snkload1A_1p8Vldo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.92	V				
Min Limit	0.84	V				
krads	0	3	10	30	50	100
LL	0.840	0.840	0.840	0.840	0.840	0.840
Min	0.869	0.878	0.877	0.878	0.867	0.873
Average	0.874	0.884	0.882	0.882	0.871	0.879
Max	0.882	0.889	0.887	0.887	0.874	0.886
UL	0.920	0.920	0.920	0.920	0.920	0.920

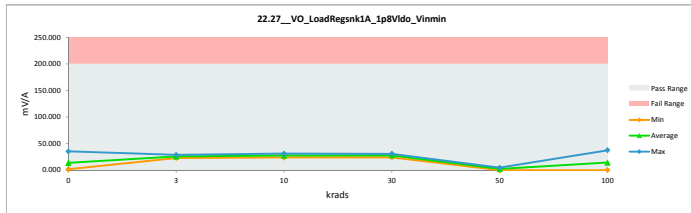


TID 100krad LDR Report
TPS7H3301-SP

22.27_VO_LoadReqs1A_1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	35.660	35.660	0.000
3	A79_Biased	24.640	23.184	1.456
3	A80_Biased	31.038	26.999	4.039
3	B1_Biased	25.122	24.831	0.291
3	B2_Biased	29.326	29.031	0.295
3	C1_Biased	29.883	25.071	4.812
3	A82_Unbiased	30.232	26.578	3.654
3	A83_Unbiased	29.877	27.623	2.254
3	B4_Unbiased	25.221	25.112	0.109
3	B5_Unbiased	25.428	25.231	0.197
3	C2_Unbiased	26.633	25.988	0.645
10	A85_Biased	35.475	31.438	4.037
10	A86_Biased	33.424	28.743	4.681
10	B6_Biased	25.204	27.699	-2.495
10	C3_Biased	27.508	26.749	0.759
10	C4_Biased	25.405	26.279	-0.874
10	A87_Unbiased	29.716	29.493	0.223
10	A88_Unbiased	25.517	23.949	1.568
10	B7_Unbiased	26.344	26.836	-0.492
10	C5_Unbiased	27.690	27.229	0.461
10	C6_Unbiased	30.406	30.233	0.173
0	106_Corr	27.391	27.391	0.000
30	A89_Biased	29.821	30.307	-0.486
30	B8_Biased	23.823	24.521	-0.698
30	B9_Biased	27.500	28.089	-0.589
30	C7_Biased	28.501	29.077	-0.576
30	C9_Biased	28.803	28.802	0.101
30	A90_Unbiased	27.632	27.804	-0.172
30	B10_Unbiased	29.216	30.961	-1.745
30	B11_Unbiased	27.160	27.806	-0.646
30	C11_Unbiased	34.077	34.796	-0.719
30	C12_Unbiased	27.399	28.048	-0.649
0	106_Corr	1.949	1.949	0.000
0	15B_Corr	2.831	2.831	0.000
50	A92_Biased	27.789	1.929	25.860
50	A93_Biased	25.415	0.041	25.374
50	B12_Biased	32.468	4.314	28.154
50	B13_Biased	28.541	2.166	26.375
50	C14_Biased	28.263	2.584	25.679
50	A95_Unbiased	29.050	4.717	24.333
50	A96_Unbiased	27.697	2.143	25.554
50	B15_Unbiased	25.347	2.048	23.299
50	B16_Unbiased	30.589	3.949	26.640
50	C15_Unbiased	28.084	1.657	26.427
0	106_Corr	27.391	27.391	0.000
100	A97_Biased	26.955	6.572	20.383
100	A99_Biased	29.704	32.801	-3.097
100	A100_Biased	29.408	6.823	22.585
100	A101_Biased	26.537	0.288	26.249
100	A102_Biased	26.462	1.370	25.092
100	A104_Biased	27.326	5.916	21.410
100	A105_Biased	32.298	7.508	24.790
100	B17_Biased	26.523	32.184	-5.661
100	B18_Biased	27.893	33.000	-5.107
100	B19_Biased	26.680	8.145	18.535
100	B20_Biased	26.523	1.901	24.622
100	B21_Biased	28.705	33.542	-4.837
100	B24_Biased	28.493	31.234	-2.741
100	B25_Biased	28.112	1.698	26.414
100	B26_Biased	25.768	37.721	-11.953
100	C16_Biased	28.006	28.784	-0.778
100	C17_Biased	23.924	5.697	18.227
100	C18_Biased	28.199	2.819	25.380
100	C19_Biased	27.135	4.928	22.207
100	C25_Biased	27.484	37.079	-9.595
100	C26_Biased	26.411	7.767	18.644
100	C31_Biased	23.196	0.977	22.219
100	A107_Unbiased	30.259	4.929	25.320
100	A108_Unbiased	31.054	7.289	23.765
100	A109_Unbiased	32.584	28.689	3.895
100	A110_Unbiased	29.455	6.141	23.314
100	A111_Unbiased	29.298	5.812	23.486
100	A112_Unbiased	24.322	6.744	17.578
100	A113_Unbiased	25.179	2.555	22.624
100	B27_Unbiased	28.722	0.914	27.808
100	B29_Unbiased	26.611	37.230	-10.619
100	B30_Unbiased	29.092	3.247	25.845
100	B31_Unbiased	28.718	3.269	25.449
100	B32_Unbiased	2.470	1.429	1.041
100	B33_Unbiased	28.392	28.392	0.000
100	B34_Unbiased	3.339	4.295	-0.956
100	B35_Unbiased	26.832	27.393	-0.561
100	C32_Unbiased	27.194	34.362	-7.168
100	C33_Unbiased	25.582	35.757	-10.175
100	C34_Unbiased	29.350	5.024	24.326
100	C35_Unbiased	27.402	30.673	-3.271
100	C36_Unbiased	25.451	31.837	-6.386
100	C37_Unbiased	25.164	6.610	18.554
100	C38_Unbiased	25.081	1.608	23.473
	Max	35.660	37.721	28.154
	Average	26.740	17.490	9.250
	Min	1.949	0.041	-11.953
	Std Dev	5.772	13.125	12.817

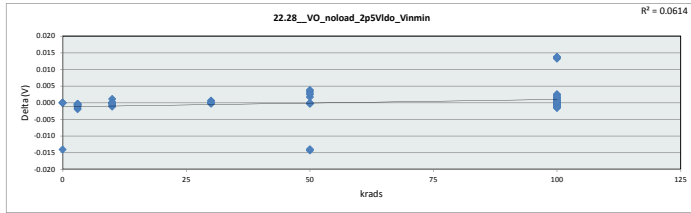


22.27_VO_LoadReqs1A_1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.949	23.184	23.949	24.521	0.041	0.288
Average	14.007	25.965	27.865	28.021	2.555	14.604
Max	35.660	29.031	31.438	30.961	4.717	37.721
UL	200.000	200.000	200.000	200.000	200.000	200.000

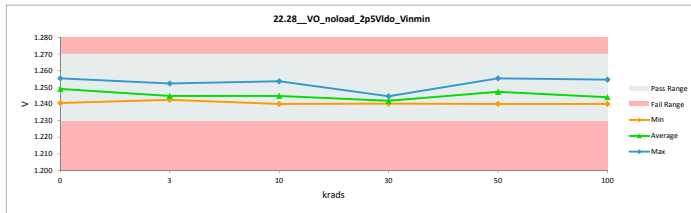


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22.28_VO_noload_2p5VIdo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.27	1.27		
Min Limit	1.23	1.23		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.241	1.241	0.000
3	A79_Biased	1.246	1.247	-0.001
3	A80_Biased	1.242	1.244	-0.002
3	B1_Biased	1.244	1.244	0.000
3	B2_Biased	1.252	1.252	0.000
3	C1_Biased	1.241	1.243	-0.002
3	A82_Unbiased	1.242	1.243	-0.001
3	A83_Unbiased	1.243	1.244	-0.001
3	B4_Unbiased	1.242	1.243	0.000
3	B5_Unbiased	1.242	1.242	0.000
3	C2_Unbiased	1.244	1.244	-0.001
10	A85_Biased	1.253	1.253	0.000
10	A86_Biased	1.240	1.242	-0.001
10	B6_Biased	1.244	1.243	0.001
10	C3_Biased	1.242	1.242	0.000
10	C4_Biased	1.244	1.244	0.000
10	A87_Unbiased	1.240	1.240	0.000
10	A88_Unbiased	1.244	1.245	-0.001
10	B7_Unbiased	1.243	1.243	0.000
10	C5_Unbiased	1.243	1.243	0.000
10	C6_Unbiased	1.254	1.254	0.000
0	106_Corr	1.241	1.241	0.000
30	A89_Biased	1.240	1.240	0.000
30	B8_Biased	1.245	1.245	0.000
30	B9_Biased	1.241	1.241	0.000
30	C7_Biased	1.241	1.241	0.000
30	C9_Biased	1.240	1.241	0.000
30	A90_Unbiased	1.243	1.244	0.000
30	B10_Unbiased	1.241	1.240	0.001
30	B11_Unbiased	1.243	1.243	0.000
30	C11_Unbiased	1.244	1.244	0.000
30	C12_Unbiased	1.241	1.241	0.000
0	106_Corr	1.255	1.255	0.000
0	15B_Corr	1.253	1.253	0.000
50	A92_Biased	1.243	1.240	0.003
50	A93_Biased	1.244	1.240	0.003
50	B12_Biased	1.254	1.254	0.000
50	B13_Biased	1.255	1.255	0.000
50	C14_Biased	1.241	1.255	-0.014
50	A95_Unbiased	1.253	1.253	0.000
50	A96_Unbiased	1.242	1.240	0.002
50	B15_Unbiased	1.244	1.240	0.004
50	B16_Unbiased	1.240	1.254	-0.014
50	C15_Unbiased	1.243	1.241	0.002
0	106_Corr	1.241	1.255	-0.014
100	A97_Biased	1.241	1.241	0.001
100	A99_Biased	1.241	1.242	0.000
100	A100_Biased	1.252	1.253	0.000
100	A101_Biased	1.243	1.243	0.000
100	A102_Biased	1.243	1.244	-0.001
100	A104_Biased	1.242	1.241	0.002
100	A105_Biased	1.253	1.254	0.000
100	B17_Biased	1.242	1.242	0.001
100	B18_Biased	1.251	1.252	0.000
100	B19_Biased	1.240	1.240	0.000
100	B20_Biased	1.242	1.242	0.000
100	B21_Biased	1.242	1.242	0.001
100	B24_Biased	1.253	1.254	0.000
100	B25_Biased	1.240	1.241	-0.001
100	B26_Biased	1.252	1.253	0.000
100	C16_Biased	1.243	1.244	-0.001
100	C17_Biased	1.244	1.241	0.002
100	C18_Biased	1.243	1.244	0.000
100	C19_Biased	1.241	1.241	0.000
100	C25_Biased	1.241	1.242	-0.001
100	C26_Biased	1.243	1.241	0.002
100	C31_Biased	1.246	1.245	0.001
100	A107_Unbiased	1.242	1.242	0.000
100	A108_Unbiased	1.242	1.241	0.001
100	A109_Unbiased	1.242	1.243	-0.002
100	A110_Unbiased	1.242	1.242	0.001
100	A111_Unbiased	1.242	1.241	0.000
100	A112_Unbiased	1.245	1.243	0.003
100	A113_Unbiased	1.244	1.243	0.001
100	B27_Unbiased	1.253	1.255	-0.002
100	B29_Unbiased	1.242	1.243	-0.001
100	B30_Unbiased	1.240	1.241	0.000
100	B31_Unbiased	1.242	1.242	0.000
100	B32_Unbiased	1.256	1.242	0.013
100	B33_Unbiased	1.254	1.240	0.013
100	B34_Unbiased	1.254	1.240	0.014
100	B35_Unbiased	1.253	1.253	0.000
100	C32_Unbiased	1.241	1.240	0.001
100	C33_Unbiased	1.242	1.244	-0.001
100	C34_Unbiased	1.241	1.241	0.000
100	C35_Unbiased	1.254	1.254	0.000
100	C36_Unbiased	1.244	1.243	0.002
100	C37_Unbiased	1.242	1.240	0.002
100	C38_Unbiased	1.243	1.243	0.000
	Max	1.256	1.255	0.014
	Average	1.245	1.245	0.000
	Min	1.240	1.240	-0.014
	Std Dev	0.005	0.005	0.004



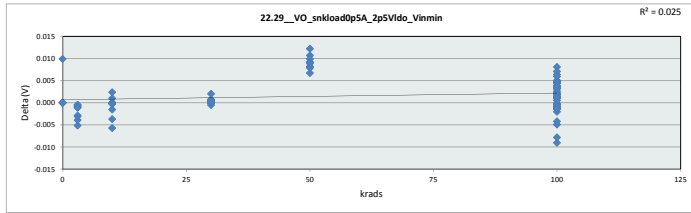
22.28_VO_noload_2p5VIdo_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.27 V					
Min Limit	1.23 V					
Krads	0	3	10	30	50	100
LL	1.230	1.230	1.230	1.230	1.230	1.230
Min	1.241	1.243	1.240	1.240	1.240	1.240
Average	1.249	1.245	1.245	1.242	1.247	1.244
Max	1.255	1.252	1.254	1.245	1.255	1.255
UL	1.270	1.270	1.270	1.270	1.270	1.270



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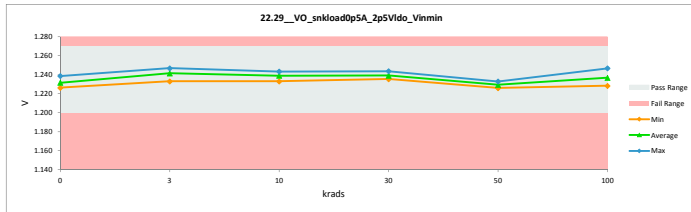
22_29_VO_snkloadOp5A_2p5VIt		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	1.27	1.27
Min Limit	1.2	1.2

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.235	1.235	0.000
3	A79_Biased	1.246	1.247	-0.001
3	A80_Biased	1.238	1.243	-0.005
3	B1_Biased	1.243	1.244	-0.001
3	B2_Biased	1.232	1.233	-0.001
3	C1_Biased	1.237	1.240	-0.003
3	A82_Unbiased	1.237	1.241	-0.004
3	A83_Unbiased	1.239	1.242	-0.003
3	B4_Unbiased	1.240	1.240	0.000
3	B5_Unbiased	1.240	1.241	0.000
3	C2_Unbiased	1.242	1.243	-0.001
10	A85_Biased	1.229	1.233	-0.004
10	A86_Biased	1.232	1.238	-0.006
10	B6_Biased	1.242	1.240	0.002
10	C3_Biased	1.240	1.240	0.000
10	C4_Biased	1.244	1.243	0.001
10	A87_Unbiased	1.236	1.236	0.000
10	A88_Unbiased	1.242	1.243	-0.002
10	B7_Unbiased	1.240	1.241	0.000
10	C5_Unbiased	1.240	1.240	0.000
10	C6_Unbiased	1.235	1.235	0.000
0	106_Corr	1.229	1.229	0.000
30	A89_Biased	1.237	1.237	0.000
30	B8_Biased	1.244	1.244	0.000
30	B9_Biased	1.238	1.238	0.000
30	C7_Biased	1.238	1.237	0.001
30	C9_Biased	1.237	1.237	0.000
30	A90_Unbiased	1.242	1.242	0.000
30	B10_Unbiased	1.237	1.235	0.002
30	B11_Unbiased	1.240	1.240	0.000
30	C11_Unbiased	1.242	1.242	0.001
30	C12_Unbiased	1.238	1.238	0.000
0	106_Corr	1.229	1.229	0.000
0	15B_Corr	1.226	1.226	0.000
50	A92_Biased	1.240	1.231	0.009
50	A93_Biased	1.241	1.230	0.011
50	B12_Biased	1.233	1.226	0.007
50	B13_Biased	1.236	1.228	0.008
50	C14_Biased	1.238	1.228	0.010
50	A95_Unbiased	1.224	1.226	0.008
50	A96_Unbiased	1.239	1.230	0.009
50	B15_Unbiased	1.244	1.232	0.012
50	B16_Unbiased	1.236	1.228	0.008
50	C15_Unbiased	1.242	1.233	0.009
0	106_Corr	1.229	1.229	0.010
100	A97_Biased	1.238	1.233	0.005
100	A99_Biased	1.237	1.235	0.002
100	A100_Biased	1.233	1.228	0.005
100	A101_Biased	1.241	1.240	0.001
100	A102_Biased	1.242	1.247	-0.005
100	A104_Biased	1.239	1.231	0.008
100	A105_Biased	1.233	1.231	0.002
100	B17_Biased	1.240	1.235	0.005
100	B18_Biased	1.233	1.231	0.002
100	B19_Biased	1.237	1.233	0.004
100	B20_Biased	1.240	1.238	0.002
100	B21_Biased	1.240	1.235	0.004
100	B24_Biased	1.236	1.235	0.001
100	B25_Biased	1.237	1.238	0.000
100	B26_Biased	1.233	1.234	-0.001
100	C16_Biased	1.242	1.243	-0.001
100	C17_Biased	1.242	1.235	0.006
100	C18_Biased	1.242	1.242	0.000
100	C19_Biased	1.239	1.233	0.006
100	C25_Biased	1.239	1.240	-0.001
100	C26_Biased	1.241	1.234	0.007
100	C31_Biased	1.245	1.241	0.003
100	A107_Unbiased	1.236	1.234	0.003
100	A108_Unbiased	1.237	1.236	0.001
100	A109_Unbiased	1.235	1.239	-0.004
100	A110_Unbiased	1.239	1.235	0.003
100	A111_Unbiased	1.238	1.235	0.003
100	A112_Unbiased	1.244	1.242	0.002
100	A113_Unbiased	1.242	1.237	0.005
100	B27_Unbiased	1.235	1.237	-0.002
100	B29_Unbiased	1.241	1.242	-0.001
100	B30_Unbiased	1.237	1.237	0.000
100	B31_Unbiased	1.239	1.238	0.001
100	B32_Unbiased	1.230	1.239	-0.009
100	B33_Unbiased	1.236	1.237	-0.001
100	B34_Unbiased	1.229	1.226	-0.008
100	B35_Unbiased	1.236	1.237	0.000
100	C32_Unbiased	1.238	1.234	0.005
100	C33_Unbiased	1.241	1.242	-0.001
100	C34_Unbiased	1.239	1.239	0.000
100	C35_Unbiased	1.238	1.236	0.002
100	C36_Unbiased	1.244	1.240	0.004
100	C37_Unbiased	1.239	1.235	0.004
100	C38_Unbiased	1.241	1.240	0.001
	Max	1.246	1.247	0.012
	Average	1.238	1.237	0.002
	Min	1.226	1.226	-0.009
	Std Dev	0.004	0.005	0.004



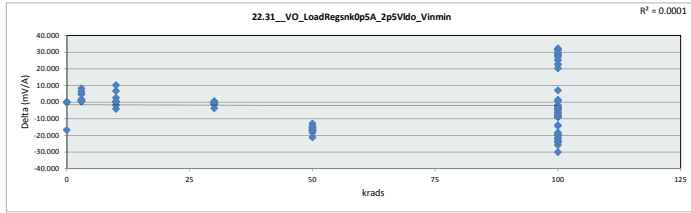
22_29_VO_snkloadOp5A_2p5V		
Test Site	Dallas, Tx	Dallas, Tx
Testor	ETS	ETS
Test Number	EF636800	EF636800
Max Limit	1.27	V
Min Limit	1.2	V

krads	0	3	10	30	50	100
LL	1.200	1.200	1.200	1.200	1.200	1.200
Min	1.226	1.233	1.233	1.236	1.226	1.228
Average	1.232	1.241	1.239	1.239	1.229	1.237
Max	1.239	1.247	1.243	1.244	1.233	1.247
UL	1.270	1.270	1.270	1.270	1.270	1.270

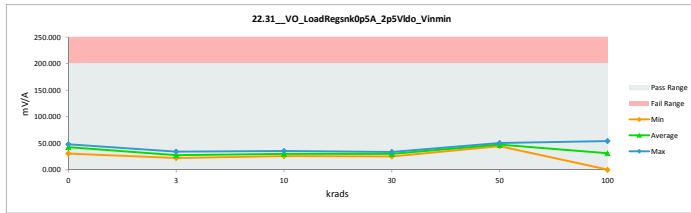


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22.31_VO_LoadReqsnp5A_2p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	39.813	39.813	0.000
3	A79_Biased	23.796	22.422	1.374
3	A80_Biased	33.705	25.417	8.288
3	B1_Biased	25.396	24.516	0.880
3	B2_Biased	35.531	34.329	1.202
3	C1_Biased	32.928	28.071	4.857
3	A82_Unbiased	34.617	28.203	6.414
3	A83_Unbiased	33.642	28.974	4.668
3	B4_Unbiased	28.616	28.312	0.304
3	B5_Unbiased	27.641	27.178	0.463
3	C2_Unbiased	27.884	26.495	1.389
10	A85_Biased	42.371	35.648	6.723
10	A86_Biased	41.652	31.498	10.154
10	B6_Biased	26.807	30.928	-4.121
10	C3_Biased	29.275	29.269	0.006
10	C4_Biased	24.273	25.979	-1.706
10	A87_Unbiased	33.134	32.805	0.329
10	A88_Unbiased	28.387	25.790	2.597
10	B7_Unbiased	26.543	26.509	0.034
10	C5_Unbiased	29.478	29.084	0.394
10	C6_Unbiased	33.201	32.973	0.228
0	106_Corr	30.797	30.797	0.000
30	A89_Biased	31.971	31.385	0.586
30	B8_Biased	24.319	25.251	-0.932
30	B9_Biased	29.564	30.588	-1.024
30	C7_Biased	30.775	32.125	-1.350
30	C9_Biased	31.977	31.916	0.061
30	A90_Unbiased	27.901	27.900	0.001
30	B10_Unbiased	30.101	33.841	-3.740
30	B11_Unbiased	28.670	29.593	-0.923
30	C11_Unbiased	32.262	25.263	-1.301
30	C12_Unbiased	30.536	31.402	-0.866
0	106_Corr	47.406	47.406	0.000
0	158_Corr	48.095	48.095	0.000
50	A92_Biased	29.617	46.143	-16.526
50	A93_Biased	27.937	46.317	-18.400
50	B12_Biased	37.819	50.733	-12.914
50	B13_Biased	32.739	47.461	-14.722
50	C14_Biased	30.934	48.070	-17.136
50	A95_Unbiased	33.321	48.952	-15.631
50	A96_Unbiased	30.124	46.883	-16.759
50	B15_Unbiased	23.939	45.102	-21.163
50	B16_Unbiased	33.036	48.038	-15.002
50	C15_Unbiased	27.362	44.539	-17.177
0	106_Corr	30.797	47.575	-16.778
100	A97_Biased	30.409	2.389	28.020
100	A99_Biased	34.175	38.249	-4.074
100	A100_Biased	33.748	5.819	27.929
100	A101_Biased	27.321	29.174	-1.853
100	A102_Biased	27.106	49.287	-22.181
100	A104_Biased	30.669	8.137	22.532
100	A105_Biased	36.839	4.529	32.310
100	B17_Biased	28.907	38.020	-9.113
100	B18_Biased	34.147	37.451	-3.304
100	B19_Biased	30.089	38.013	-7.924
100	B20_Biased	29.038	52.868	-23.830
100	B21_Biased	30.218	38.196	-7.978
100	B24_Biased	31.222	34.441	-3.219
100	B25_Biased	31.788	31.092	0.646
100	B26_Biased	33.151	47.493	-14.342
100	C16_Biased	27.254	26.023	1.231
100	C17_Biased	25.373	2.854	22.519
100	C18_Biased	27.904	53.632	-25.728
100	C19_Biased	28.980	3.917	25.063
100	C25_Biased	29.984	49.222	-19.238
100	C26_Biased	27.082	6.787	20.295
100	C31_Biased	23.118	29.525	-6.407
100	A107_Unbiased	35.274	3.840	31.414
100	A108_Unbiased	33.365	2.341	31.024
100	A109_Unbiased	39.178	32.155	7.023
100	A110_Unbiased	32.430	3.144	29.286
100	A111_Unbiased	32.247	3.128	29.119
100	A112_Unbiased	23.352	53.351	-29.999
100	A113_Unbiased	27.281	0.186	27.095
100	B27_Unbiased	32.704	46.628	-13.924
100	B29_Unbiased	27.854	47.245	-19.391
100	B30_Unbiased	29.945	52.249	-19.882
100	B31_Unbiased	29.854	53.994	-24.140
100	B32_Unbiased	46.486	51.520	-5.034
100	B33_Unbiased	32.207	50.570	-18.363
100	B34_Unbiased	46.877	53.307	-6.430
100	B35_Unbiased	30.971	30.118	0.853
100	C32_Unbiased	28.271	37.262	-8.991
100	C33_Unbiased	26.550	47.687	-21.137
100	C34_Unbiased	29.132	52.692	-23.560
100	C35_Unbiased	29.145	33.143	-3.998
100	C36_Unbiased	22.660	30.966	-8.306
100	C37_Unbiased	25.944	34.011	-8.067
100	C38_Unbiased	26.106	28.975	-2.869
	Max	48.095	53.994	32.310
	Average	31.024	32.980	-1.956
	Min	22.660	0.186	-29.999
	Std Dev	5.297	14.619	14.643

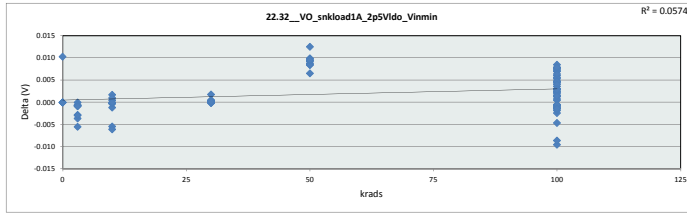


22.31_VO_LoadReqsnp5A						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	30.797	22.422	25.790	25.251	44.539	0.186
Average	42.737	27.392	30.044	29.926	47.226	31.265
Max	48.095	34.329	35.648	33.841	50.733	53.994
UL	200.000	200.000	200.000	200.000	200.000	200.000

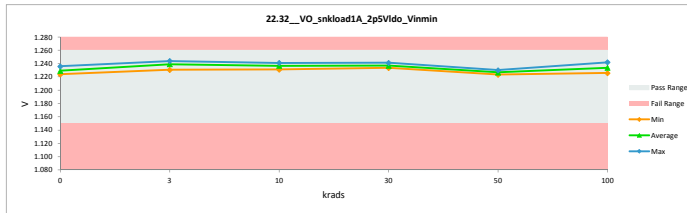


TID 100krad LDR Report
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22.32_VO_snkload1A_2p5VIdo				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.26	1.26		
Min Limit	1.15	1.15		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.234	1.234	0.000
3	A79_Biased	1.244	1.244	0.000
3	A80_Biased	1.236	1.242	-0.006
3	B1_Biased	1.241	1.241	-0.001
3	B2_Biased	1.230	1.231	-0.001
3	C1_Biased	1.235	1.238	-0.003
3	A82_Unbiased	1.235	1.239	-0.004
3	A83_Unbiased	1.237	1.240	-0.003
3	B4_Unbiased	1.237	1.238	-0.001
3	B5_Unbiased	1.237	1.238	-0.001
3	C2_Unbiased	1.239	1.240	-0.001
10	A85_Biased	1.226	1.231	-0.005
10	A86_Biased	1.230	1.236	-0.006
10	B6_Biased	1.240	1.238	0.002
10	C3_Biased	1.238	1.237	0.000
10	C4_Biased	1.242	1.241	0.001
10	A87_Unbiased	1.233	1.234	0.000
10	A88_Unbiased	1.239	1.240	-0.001
10	B7_Unbiased	1.238	1.238	0.000
10	C5_Unbiased	1.238	1.238	0.000
10	C6_Unbiased	1.233	1.233	0.000
0	106_Corr	1.226	1.226	0.000
30	A89_Biased	1.235	1.235	0.000
30	B8_Biased	1.241	1.241	0.000
30	B9_Biased	1.236	1.236	0.000
30	C7_Biased	1.235	1.235	0.000
30	C9_Biased	1.235	1.235	0.000
30	A90_Unbiased	1.240	1.240	0.000
30	B10_Unbiased	1.235	1.234	0.002
30	B11_Unbiased	1.238	1.238	0.000
30	C11_Unbiased	1.240	1.240	0.000
30	C12_Unbiased	1.236	1.236	0.000
0	106_Corr	1.226	1.226	0.000
0	15B_Corr	1.224	1.224	0.000
50	A92_Biased	1.238	1.229	0.009
50	A93_Biased	1.238	1.229	0.010
50	B12_Biased	1.230	1.224	0.007
50	B13_Biased	1.234	1.225	0.009
50	C14_Biased	1.236	1.226	0.010
50	A95_Unbiased	1.224	1.224	0.008
50	A96_Unbiased	1.237	1.227	0.010
50	B15_Unbiased	1.242	1.230	0.013
50	B16_Unbiased	1.234	1.226	0.008
50	C15_Unbiased	1.240	1.230	0.010
0	106_Corr	1.226	1.226	0.010
100	A97_Biased	1.236	1.230	0.006
100	A99_Biased	1.235	1.232	0.002
100	A100_Biased	1.231	1.226	0.005
100	A101_Biased	1.239	1.238	0.000
100	A102_Biased	1.240	1.242	-0.002
100	A104_Biased	1.236	1.229	0.008
100	A105_Biased	1.231	1.226	0.004
100	B17_Biased	1.237	1.233	0.005
100	B18_Biased	1.230	1.229	0.002
100	B19_Biased	1.235	1.227	0.008
100	B20_Biased	1.238	1.236	0.001
100	B21_Biased	1.237	1.233	0.005
100	B24_Biased	1.234	1.232	0.002
100	B25_Biased	1.235	1.235	-0.001
100	B26_Biased	1.230	1.231	-0.001
100	C16_Biased	1.240	1.238	0.002
100	C17_Biased	1.239	1.231	0.008
100	C18_Biased	1.240	1.237	0.003
100	C19_Biased	1.237	1.231	0.006
100	C25_Biased	1.236	1.237	-0.001
100	C26_Biased	1.240	1.232	0.007
100	C31_Biased	1.242	1.240	0.003
100	A107_Unbiased	1.234	1.230	0.004
100	A108_Unbiased	1.235	1.232	0.003
100	A109_Unbiased	1.232	1.237	-0.005
100	A110_Unbiased	1.237	1.232	0.005
100	A111_Unbiased	1.236	1.232	0.005
100	A112_Unbiased	1.243	1.236	0.007
100	A113_Unbiased	1.239	1.235	0.004
100	B27_Unbiased	1.233	1.235	-0.002
100	B29_Unbiased	1.238	1.240	-0.002
100	B30_Unbiased	1.234	1.235	0.000
100	B31_Unbiased	1.237	1.236	0.001
100	B32_Unbiased	1.227	1.237	-0.010
100	B33_Unbiased	1.234	1.234	-0.001
100	B34_Unbiased	1.226	1.235	-0.009
100	B35_Unbiased	1.234	1.234	0.000
100	C32_Unbiased	1.237	1.229	0.008
100	C33_Unbiased	1.239	1.241	-0.001
100	C34_Unbiased	1.237	1.234	0.003
100	C35_Unbiased	1.236	1.233	0.003
100	C36_Unbiased	1.243	1.236	0.006
100	C37_Unbiased	1.238	1.230	0.008
100	C38_Unbiased	1.239	1.238	0.001
	Max	1.244	1.244	0.013
	Average	1.236	1.234	0.002
	Min	1.224	1.224	-0.010
	Std Dev	0.004	0.005	0.004

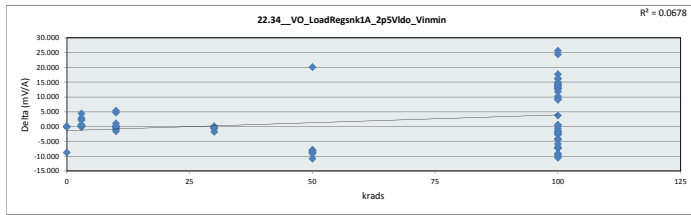


22.32_VO_snkload1A_2p5VIdo						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.26	V				
Min Limit	1.15	V				
Krads	0	3	10	30	50	100
LL	1.150	1.150	1.150	1.150	1.150	1.150
Min	1.224	1.231	1.231	1.234	1.224	1.226
Average	1.229	1.239	1.237	1.227	1.224	1.234
Max	1.236	1.244	1.241	1.241	1.230	1.242
UL	1.260	1.260	1.260	1.260	1.260	1.260

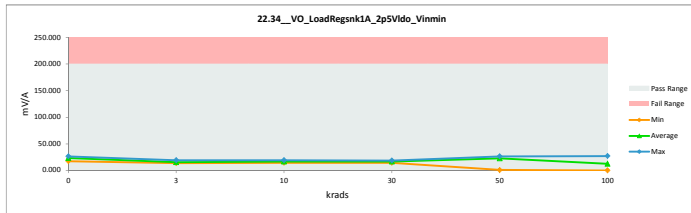


TID 100krad LDR Report
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22.34_VO_LoadReqsK1A_2p5k				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	20.642	20.642	0.000
3	A79_Biased	13.385	13.513	-0.128
3	A80_Biased	18.574	14.113	4.461
3	B1_Biased	14.433	14.091	0.342
3	B2_Biased	19.808	19.173	0.635
3	C1_Biased	18.046	15.771	2.275
3	A82_Unbiased	19.013	16.063	2.950
3	A83_Unbiased	18.262	15.911	2.351
3	B4_Unbiased	16.647	16.365	0.282
3	B5_Unbiased	15.960	15.598	0.362
3	C2_Unbiased	15.725	15.182	0.543
10	A85_Biased	24.096	19.284	4.812
10	A86_Biased	23.050	17.664	5.386
10	B6_Biased	15.747	17.263	-1.516
10	C3_Biased	16.080	16.369	-0.289
10	C4_Biased	13.563	14.374	-0.811
10	A87_Unbiased	18.401	18.161	0.240
10	A88_Unbiased	16.354	15.310	1.044
10	B7_Unbiased	15.099	15.024	0.075
10	C5_Unbiased	16.548	16.434	0.114
10	C6_Unbiased	18.134	18.097	0.037
0	106_Corr	17.402	17.402	0.000
30	A89_Biased	17.378	17.906	-0.528
30	B8_Biased	14.404	14.460	-0.056
30	B9_Biased	16.670	17.033	-0.363
30	C7_Biased	17.332	17.889	-0.557
30	C9_Biased	17.648	17.719	-0.071
30	A90_Unbiased	15.310	15.162	0.148
30	B10_Unbiased	16.705	18.468	-1.763
30	B11_Unbiased	16.061	16.308	-0.247
30	C11_Unbiased	13.860	14.151	-0.291
30	C12_Unbiased	17.438	17.722	-0.284
0	106_Corr	26.121	26.121	0.000
0	158_Corr	26.067	26.067	0.000
50	A92_Biased	16.414	24.671	-8.257
50	A93_Biased	16.199	24.857	-8.658
50	B12_Biased	20.814	0.756	20.058
50	B13_Biased	18.244	26.265	-8.021
50	C14_Biased	17.204	25.748	-8.544
50	A95_Unbiased	18.299	26.337	-8.038
50	A96_Unbiased	16.869	25.533	-8.664
50	B15_Unbiased	13.501	24.342	-10.841
50	B16_Unbiased	18.206	26.105	-7.899
50	C15_Unbiased	15.270	24.381	-9.111
0	106_Corr	17.402	26.120	-8.718
100	A97_Biased	16.937	4.031	12.906
100	A99_Biased	18.992	21.220	-2.228
100	A100_Biased	18.493	4.692	13.801
100	A101_Biased	15.498	15.999	-0.501
100	A102_Biased	15.318	0.237	15.081
100	A104_Biased	17.486	5.752	11.734
100	A105_Biased	20.224	6.094	14.130
100	B17_Biased	16.491	20.894	-4.403
100	B18_Biased	18.888	20.934	-2.046
100	B19_Biased	16.742	23.904	-7.162
100	B20_Biased	16.483	0.197	16.286
100	B21_Biased	16.946	21.057	-4.111
100	B24_Biased	17.268	19.597	-2.329
100	B25_Biased	18.000	17.442	0.558
100	B26_Biased	18.876	25.973	-7.097
100	C16_Biased	15.193	16.552	-1.359
100	C17_Biased	14.346	4.828	9.518
100	C18_Biased	15.110	2.397	12.713
100	C19_Biased	16.311	3.521	12.790
100	C25_Biased	16.992	26.560	-9.568
100	C26_Biased	14.895	4.599	10.296
100	C31_Biased	13.536	16.179	-2.643
100	A107_Unbiased	19.369	4.544	14.825
100	A108_Unbiased	18.621	4.537	14.084
100	A109_Unbiased	21.695	17.866	3.829
100	A110_Unbiased	17.645	4.209	13.436
100	A111_Unbiased	17.532	4.172	13.360
100	A112_Unbiased	12.784	3.660	9.124
100	A113_Unbiased	15.945	1.857	14.088
100	B27_Unbiased	18.311	25.335	-7.024
100	B29_Unbiased	15.790	25.409	-9.619
100	B30_Unbiased	18.152	0.388	17.767
100	B31_Unbiased	16.644	0.374	16.270
100	B32_Unbiased	25.233	0.798	24.435
100	B33_Unbiased	18.119	27.146	-9.027
100	B34_Unbiased	25.593	0.024	25.569
100	B35_Unbiased	17.371	16.799	0.572
100	C32_Unbiased	15.681	22.661	-6.980
100	C33_Unbiased	14.886	25.377	-10.491
100	C34_Unbiased	16.050	1.636	14.414
100	C35_Unbiased	16.137	18.524	-2.387
100	C36_Unbiased	12.485	18.288	-5.803
100	C37_Unbiased	14.222	21.480	-7.258
100	C38_Unbiased	14.711	16.224	-1.513
	Max	26.121	27.146	25.569
	Average	17.308	15.504	1.803
	Min	12.485	0.024	-10.841
	Std Dev	2.771	8.205	8.611

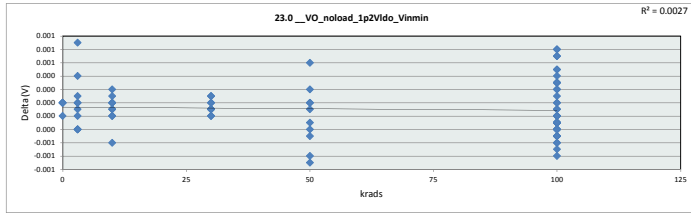


22.34_VO_LoadReqsK1A_2p5k						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	17.402	13.513	14.374	14.151	0.756	0.024
Average	23.270	15.578	16.798	16.682	22.900	12.363
Max	26.121	19.173	19.284	18.468	26.337	27.146
UL	200.000	200.000	200.000	200.000	200.000	200.000

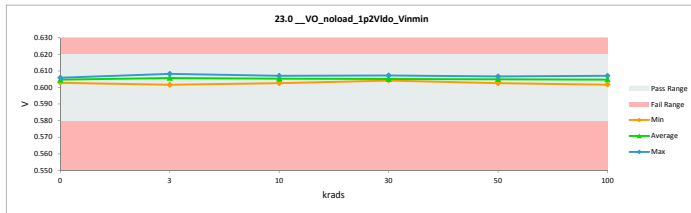


TID 100krad LDR Report
TPS7H3301-SP

23.0_VO_noload_1p2VIdo_Vinm				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.62	0.62		
Min Limit	0.58	0.58		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.606	0.606	0.000
3	A79_Biased	0.608	0.608	0.000
3	A80_Biased	0.606	0.606	0.000
3	B1_Biased	0.606	0.606	0.000
3	B2_Biased	0.603	0.602	0.001
3	C1_Biased	0.605	0.605	0.000
3	A82_Unbiased	0.606	0.606	0.000
3	A83_Unbiased	0.607	0.608	0.000
3	B4_Unbiased	0.604	0.605	0.000
3	B5_Unbiased	0.605	0.605	0.000
3	C2_Unbiased	0.606	0.607	0.000
10	A85_Biased	0.603	0.603	0.000
10	A86_Biased	0.605	0.605	0.000
10	B6_Biased	0.606	0.607	-0.001
10	C3_Biased	0.605	0.605	0.000
10	C4_Biased	0.606	0.606	0.000
10	A87_Unbiased	0.605	0.604	0.000
10	A88_Unbiased	0.607	0.607	0.000
10	B7_Unbiased	0.605	0.605	0.000
10	C5_Unbiased	0.607	0.607	0.000
10	C6_Unbiased	0.603	0.603	0.000
0	106_Corr	0.605	0.605	0.000
30	A89_Biased	0.604	0.604	0.000
30	B8_Biased	0.607	0.607	0.000
30	B9_Biased	0.604	0.604	0.000
30	C7_Biased	0.605	0.605	0.000
30	C9_Biased	0.604	0.604	0.000
30	A90_Unbiased	0.606	0.606	0.000
30	B10_Unbiased	0.604	0.604	0.000
30	B11_Unbiased	0.605	0.605	0.000
30	C11_Unbiased	0.605	0.605	0.000
30	C12_Unbiased	0.605	0.605	0.000
0	106_Corr	0.605	0.605	0.000
0	15B_Corr	0.603	0.603	0.000
50	A92_Biased	0.606	0.606	0.000
50	A93_Biased	0.606	0.606	0.000
50	B12_Biased	0.603	0.604	-0.001
50	B13_Biased	0.605	0.605	0.001
50	C14_Biased	0.605	0.605	0.000
50	A95_Unbiased	0.603	0.603	0.000
50	A96_Unbiased	0.605	0.605	0.000
50	B15_Unbiased	0.606	0.606	0.000
50	B16_Unbiased	0.604	0.604	-0.001
50	C15_Unbiased	0.606	0.607	-0.001
0	106_Corr	0.605	0.605	0.000
100	A97_Biased	0.604	0.605	0.000
100	A99_Biased	0.606	0.605	0.000
100	A100_Biased	0.602	0.603	-0.001
100	A101_Biased	0.606	0.606	0.000
100	A102_Biased	0.606	0.606	0.000
100	A104_Biased	0.605	0.605	-0.001
100	A105_Biased	0.603	0.603	0.000
100	B17_Biased	0.606	0.606	0.001
100	B18_Biased	0.602	0.602	0.000
100	B19_Biased	0.603	0.603	0.000
100	B20_Biased	0.607	0.606	0.001
100	B21_Biased	0.605	0.605	0.000
100	B24_Biased	0.604	0.604	0.000
100	B25_Biased	0.605	0.604	0.001
100	B26_Biased	0.602	0.602	0.000
100	C16_Biased	0.606	0.606	-0.001
100	C17_Biased	0.605	0.605	0.000
100	C18_Biased	0.606	0.607	-0.001
100	C19_Biased	0.605	0.605	0.000
100	C25_Biased	0.604	0.605	-0.001
100	C26_Biased	0.605	0.605	0.000
100	C31_Biased	0.607	0.607	0.000
100	A107_Unbiased	0.605	0.606	0.000
100	A108_Unbiased	0.605	0.606	-0.001
100	A109_Unbiased	0.606	0.606	0.000
100	A110_Unbiased	0.606	0.606	0.000
100	A111_Unbiased	0.605	0.605	0.001
100	A112_Unbiased	0.606	0.606	0.000
100	A113_Unbiased	0.606	0.606	0.000
100	B27_Unbiased	0.604	0.604	-0.001
100	B29_Unbiased	0.606	0.605	0.000
100	B30_Unbiased	0.604	0.604	0.000
100	B31_Unbiased	0.605	0.605	0.000
100	B32_Unbiased	0.605	0.605	0.000
100	B33_Unbiased	0.604	0.604	0.000
100	B34_Unbiased	0.603	0.603	0.000
100	B35_Unbiased	0.603	0.603	0.000
100	C32_Unbiased	0.604	0.604	0.000
100	C33_Unbiased	0.606	0.605	0.000
100	C34_Unbiased	0.605	0.605	0.000
100	C35_Unbiased	0.604	0.604	0.000
100	C36_Unbiased	0.606	0.606	0.000
100	C37_Unbiased	0.603	0.604	-0.001
100	C38_Unbiased	0.605	0.605	0.000
	Max	0.608	0.608	0.001
	Average	0.605	0.605	0.000
	Min	0.602	0.602	-0.001
	Std Dev	0.001	0.001	0.000

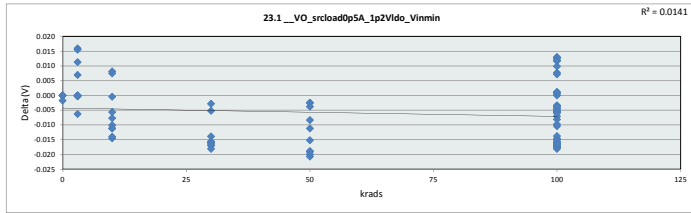


23.0_VO_noload_1p2VIdo_Vi						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.62	V				
Min Limit	0.58	V				
krads	LL	3	10	30	50	100
LL	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.603	0.602	0.603	0.604	0.603	0.602
Average	0.605	0.606	0.605	0.605	0.605	0.605
Max	0.606	0.608	0.607	0.607	0.607	0.607
UL	0.620	0.620	0.620	0.620	0.620	0.620

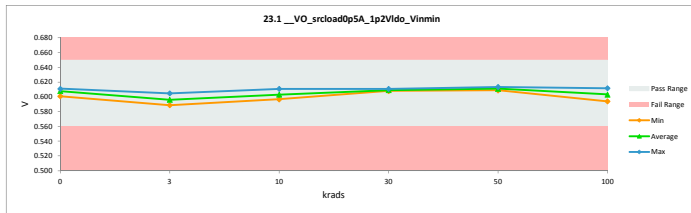


TID 100krad LDR Report
TPS7H3301-SP

23.1_VO_srcloadOp5A_1p2Vtd				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.65	0.65		
Min Limit	0.56	0.56		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.601	0.601	0.000
3	A79_Biased	0.610	0.598	0.011
3	A80_Unbiased	0.610	0.594	0.016
3	B1_Biased	0.597	0.603	-0.006
3	B2_Biased	0.589	0.589	0.000
3	C1_Biased	0.592	0.593	0.000
3	A82_Unbiased	0.610	0.595	0.016
3	A83_Unbiased	0.612	0.605	0.007
3	B4_Unbiased	0.595	0.595	0.000
3	B5_Unbiased	0.595	0.595	0.000
3	C2_Unbiased	0.595	0.595	0.000
10	A85_Biased	0.607	0.599	0.008
10	A86_Biased	0.597	0.603	-0.006
10	B6_Biased	0.596	0.611	-0.015
10	C3_Biased	0.595	0.609	-0.014
10	C4_Biased	0.595	0.607	-0.011
10	A87_Unbiased	0.596	0.597	0.000
10	A88_Unbiased	0.607	0.599	0.007
10	B7_Unbiased	0.593	0.601	-0.008
10	C5_Unbiased	0.595	0.605	-0.010
10	C6_Unbiased	0.589	0.600	-0.011
0	106_Corr	0.609	0.609	0.000
30	A89_Biased	0.603	0.608	-0.005
30	B8_Biased	0.597	0.611	-0.014
30	B9_Biased	0.592	0.608	-0.016
30	C7_Biased	0.592	0.609	-0.017
30	C9_Biased	0.592	0.608	-0.016
30	A90_Unbiased	0.607	0.610	-0.003
30	B10_Unbiased	0.590	0.609	-0.018
30	B11_Unbiased	0.594	0.610	-0.016
30	C11_Unbiased	0.594	0.610	-0.016
30	C12_Unbiased	0.593	0.609	-0.016
0	106_Corr	0.611	0.611	0.000
0	15B_Corr	0.607	0.607	0.000
50	A92_Biased	0.608	0.611	-0.002
50	A93_Biased	0.602	0.610	-0.008
50	B12_Biased	0.599	0.610	-0.011
50	B13_Biased	0.592	0.612	-0.020
50	C14_Biased	0.592	0.611	-0.019
50	A95_Unbiased	0.606	0.609	-0.002
50	A96_Unbiased	0.608	0.612	-0.004
50	B15_Unbiased	0.595	0.610	-0.015
50	B16_Unbiased	0.590	0.611	-0.021
50	C15_Unbiased	0.594	0.613	-0.019
0	106_Corr	0.609	0.611	-0.002
100	A97_Biased	0.604	0.595	0.010
100	A99_Biased	0.609	0.608	0.001
100	A100_Biased	0.607	0.595	0.012
100	A101_Biased	0.602	0.610	-0.008
100	A102_Biased	0.604	0.596	0.008
100	A104_Biased	0.598	0.601	-0.003
100	A105_Biased	0.607	0.594	0.013
100	B17_Biased	0.595	0.598	-0.004
100	B18_Biased	0.588	0.606	-0.018
100	B19_Biased	0.589	0.595	-0.006
100	B20_Biased	0.594	0.610	-0.016
100	B21_Biased	0.592	0.596	-0.003
100	B24_Biased	0.591	0.608	-0.017
100	B25_Biased	0.592	0.607	-0.015
100	B26_Biased	0.589	0.599	-0.010
100	C16_Biased	0.594	0.611	-0.016
100	C17_Biased	0.593	0.598	-0.005
100	C18_Biased	0.594	0.612	-0.017
100	C19_Biased	0.593	0.598	-0.006
100	C25_Biased	0.593	0.609	-0.016
100	C26_Biased	0.593	0.600	-0.007
100	C31_Biased	0.596	0.612	-0.016
100	A107_Unbiased	0.610	0.598	0.012
100	A108_Unbiased	0.610	0.597	0.013
100	A109_Unbiased	0.610	0.610	0.000
100	A110_Unbiased	0.610	0.597	0.012
100	A111_Unbiased	0.609	0.597	0.012
100	A112_Unbiased	0.606	0.599	0.007
100	A113_Unbiased	0.598	0.603	-0.005
100	B27_Unbiased	0.591	0.601	-0.010
100	B29_Unbiased	0.594	0.608	-0.014
100	B30_Unbiased	0.592	0.608	-0.017
100	B31_Unbiased	0.592	0.610	-0.017
100	B32_Unbiased	0.611	0.610	0.001
100	B33_Unbiased	0.592	0.608	-0.016
100	B34_Unbiased	0.609	0.609	0.001
100	B35_Unbiased	0.589	0.607	-0.018
100	C32_Unbiased	0.591	0.595	-0.005
100	C33_Unbiased	0.594	0.609	-0.015
100	C34_Unbiased	0.593	0.609	-0.016
100	C35_Unbiased	0.591	0.608	-0.017
100	C36_Unbiased	0.595	0.599	-0.004
100	C37_Unbiased	0.590	0.596	-0.006
100	C38_Unbiased	0.593	0.610	-0.016
	Max	0.612	0.613	0.016
	Average	0.598	0.604	-0.006
	Min	0.588	0.589	-0.021
	Std Dev	0.007	0.006	0.010

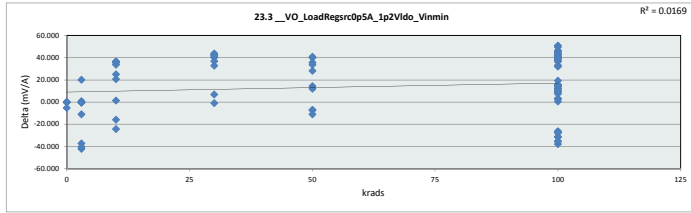


23.1_VO_srcloadOp5A_1p2Vtd						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.65	V				
Min Limit	0.56	V				
krads	0	3	10	30	50	100
LL	0.560	0.560	0.560	0.560	0.560	0.560
Min	0.601	0.589	0.597	0.608	0.609	0.594
Average	0.608	0.596	0.603	0.609	0.611	0.603
Max	0.611	0.605	0.611	0.611	0.614	0.612
UL	0.650	0.650	0.650	0.650	0.650	0.650

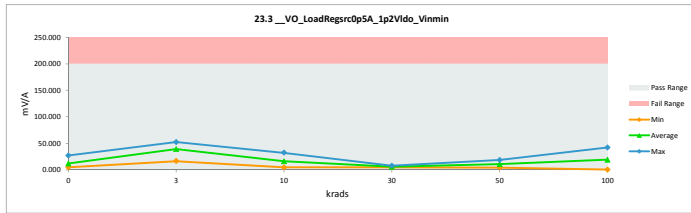


TID 100krad LDR Report
TPS7H3301-SP

23.3_VO_LoadReqsrcOp5A_1p2				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	27.084	27.084	0.000
3	A79_Biased	1.356	38.629	-37.273
3	A80_Biased	4.904	46.991	-42.087
3	B1_Biased	37.521	17.306	20.215
3	B2_Biased	51.801	52.292	-0.491
3	C1_Biased	48.045	47.328	0.717
3	A82_Unbiased	5.077	45.559	-40.482
3	A83_Unbiased	5.609	16.607	-10.998
3	B4_Unbiased	40.319	40.601	-0.282
3	B5_Unbiased	41.350	41.825	-0.475
3	C2_Unbiased	44.231	44.739	-0.508
10	A85_Biased	4.306	20.313	-16.007
10	A86_Biased	36.533	15.943	20.590
10	B6_Biased	41.256	5.966	35.290
10	C3_Biased	41.083	4.829	36.254
10	C4_Biased	43.238	6.662	36.576
10	A87_Unbiased	31.457	30.076	1.381
10	A88_Unbiased	7.789	32.228	-24.439
10	B7_Unbiased	43.968	18.975	24.993
10	C5_Unbiased	45.391	11.883	33.508
10	C6_Unbiased	53.653	17.070	36.583
0	106_Corr	4.950	4.950	0.000
30	A89_Biased	11.641	4.871	6.770
30	B8_Biased	38.727	5.991	32.736
30	B9_Biased	45.905	5.703	40.202
30	C7_Biased	48.807	6.484	42.323
30	C9_Biased	47.727	4.866	42.861
30	A90_Unbiased	3.847	4.878	-1.031
30	B10_Unbiased	51.441	7.629	43.812
30	B11_Unbiased	45.591	4.905	40.686
30	C11_Unbiased	44.253	7.471	36.782
30	C12_Unbiased	47.730	5.899	41.831
0	106_Corr	12.190	12.190	0.000
0	15B_Corr	4.831	4.831	0.000
50	A92_Biased	0.033	7.357	-7.324
50	A93_Biased	20.492	6.281	14.411
50	B12_Biased	23.565	11.477	12.088
50	B13_Biased	46.869	18.643	28.226
50	C14_Biased	48.654	13.110	35.544
50	A95_Unbiased	4.490	11.507	-7.017
50	A96_Unbiased	1.399	12.467	-11.068
50	B15_Unbiased	44.435	4.468	39.967
50	B16_Unbiased	53.303	12.364	40.939
50	C15_Unbiased	46.511	12.920	33.591
0	106_Corr	4.980	4.980	0.000
100	A97_Biased	6.871	42.180	-35.309
100	A99_Biased	3.410	0.645	2.765
100	A100_Biased	7.708	34.378	-26.670
100	A101_Biased	19.307	5.508	13.799
100	A102_Biased	12.847	40.127	-27.280
100	A104_Biased	33.325	25.846	7.479
100	A105_Biased	3.790	41.582	-37.792
100	B17_Biased	42.770	33.085	9.685
100	B18_Biased	53.942	3.128	50.814
100	B19_Biased	54.027	39.584	14.443
100	B20_Biased	43.994	6.075	37.919
100	B21_Biased	50.884	42.077	8.807
100	B24_Biased	46.552	5.672	40.880
100	B25_Biased	46.801	0.843	46.258
100	B26_Biased	50.194	17.175	33.019
100	C16_Biased	46.443	5.763	40.680
100	C17_Biased	48.844	34.699	14.145
100	C18_Biased	46.779	7.256	39.523
100	C19_Biased	46.599	31.195	15.404
100	C25_Biased	47.649	5.342	42.307
100	C26_Biased	48.188	29.111	19.077
100	C31_Biased	44.348	7.428	36.920
100	A107_Unbiased	7.085	33.424	-26.339
100	A108_Unbiased	6.411	37.854	-31.443
100	A109_Unbiased	5.032	4.574	0.458
100	A110_Unbiased	4.050	39.609	-35.559
100	A111_Unbiased	5.023	26.215	-31.192
100	A112_Unbiased	9.746	37.428	-27.682
100	A113_Unbiased	33.838	21.893	11.945
100	B27_Unbiased	47.627	15.847	31.780
100	B29_Unbiased	45.503	0.728	44.775
100	B30_Unbiased	49.996	5.256	45.638
100	B31_Unbiased	49.172	5.656	43.516
100	B32_Unbiased	9.079	6.130	2.949
100	B33_Unbiased	46.246	6.463	39.783
100	B34_Unbiased	46.591	8.959	3.154
100	B35_Unbiased	53.832	4.434	49.398
100	C32_Unbiased	50.212	38.461	11.751
100	C33_Unbiased	42.418	5.975	36.443
100	C34_Unbiased	45.997	5.146	39.951
100	C35_Unbiased	48.301	5.224	42.777
100	C36_Unbiased	42.331	32.461	9.870
100	C37_Unbiased	50.173	34.563	15.610
100	C38_Unbiased	45.778	5.514	40.264
	Max	54.027	52.292	50.814
	Average	32.228	18.307	13.920
	Min	0.033	0.543	-42.087
	Std Dev	19.048	14.987	26.118

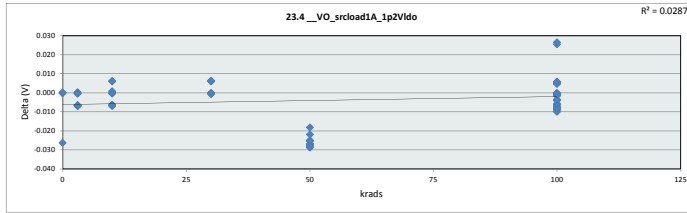


23.3_VO_LoadReqsrcOp5A_1						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	4.831	16.607	4.829	4.866	4.468	0.543
Average	11.858	39.188	16.395	5.870	11.059	19.204
Max	27.084	52.292	32.228	7.629	18.643	42.180
UL	200.000	200.000	200.000	200.000	200.000	200.000

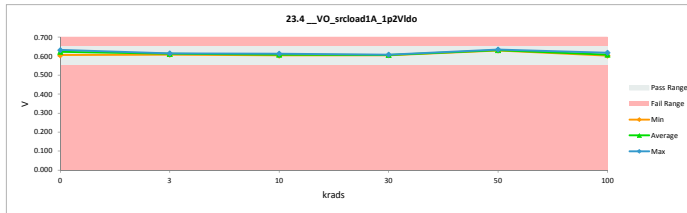


TID 100krad LDR Report
TPS7H3301-SP

23.4_VO_srcload1A_1p2Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.65	0.65		
Min Limit	0.55	0.55		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.618	0.618	0.000
3	A79_Biased	0.609	0.615	-0.007
3	A80_Unbiased	0.607	0.613	-0.007
3	B1_Biased	0.607	0.613	-0.007
3	B2_Biased	0.609	0.609	0.000
3	C1_Biased	0.605	0.612	-0.007
3	A82_Unbiased	0.607	0.613	-0.007
3	A83_Unbiased	0.608	0.608	0.000
3	B4_Unbiased	0.612	0.612	0.000
3	B5_Unbiased	0.612	0.612	0.000
3	C2_Unbiased	0.607	0.613	-0.007
10	A85_Biased	0.603	0.610	-0.006
10	A86_Biased	0.607	0.606	0.001
10	B6_Biased	0.614	0.607	0.006
10	C3_Biased	0.605	0.606	0.000
10	C4_Biased	0.613	0.607	0.006
10	A87_Unbiased	0.604	0.611	-0.007
10	A88_Unbiased	0.607	0.614	-0.006
10	B7_Unbiased	0.605	0.605	0.000
10	C5_Unbiased	0.607	0.613	-0.007
10	C6_Unbiased	0.604	0.604	0.000
0	106_Corr	0.605	0.605	0.000
30	A89_Biased	0.604	0.605	0.000
30	B8_Biased	0.613	0.608	0.006
30	B9_Biased	0.605	0.605	0.000
30	C7_Biased	0.612	0.606	0.006
30	C9_Biased	0.605	0.605	0.000
30	A90_Unbiased	0.606	0.607	0.000
30	B10_Unbiased	0.604	0.605	0.000
30	B11_Unbiased	0.606	0.606	0.000
30	C11_Unbiased	0.606	0.606	0.000
30	C12_Unbiased	0.612	0.606	0.006
0	106_Corr	0.632	0.632	0.000
0	15B_Corr	0.628	0.628	0.000
50	A92_Biased	0.607	0.632	-0.025
50	A93_Biased	0.612	0.630	-0.018
50	B12_Biased	0.604	0.631	-0.027
50	B13_Biased	0.604	0.633	-0.029
50	C14_Biased	0.605	0.632	-0.027
50	A95_Unbiased	0.603	0.630	-0.028
50	A96_Unbiased	0.606	0.633	-0.027
50	B15_Unbiased	0.606	0.632	-0.025
50	B16_Unbiased	0.604	0.632	-0.029
50	C15_Unbiased	0.613	0.635	-0.022
0	106_Corr	0.632	0.632	-0.026
100	A97_Biased	0.604	0.605	-0.001
100	A99_Biased	0.606	0.607	-0.001
100	A100_Biased	0.603	0.612	-0.010
100	A101_Biased	0.606	0.607	-0.001
100	A102_Biased	0.606	0.607	-0.001
100	A104_Biased	0.612	0.618	-0.006
100	A105_Biased	0.603	0.604	-0.001
100	B17_Biased	0.606	0.607	-0.001
100	B18_Biased	0.601	0.603	-0.002
100	B19_Biased	0.603	0.611	-0.008
100	B20_Biased	0.612	0.607	0.006
100	B21_Biased	0.605	0.606	-0.001
100	B24_Biased	0.604	0.605	-0.001
100	B25_Biased	0.610	0.605	0.005
100	B26_Biased	0.608	0.602	0.006
100	C16_Biased	0.613	0.607	0.005
100	C17_Biased	0.605	0.614	-0.009
100	C18_Biased	0.613	0.608	0.005
100	C19_Biased	0.605	0.615	-0.010
100	C25_Biased	0.605	0.606	-0.001
100	C26_Biased	0.612	0.618	-0.006
100	C31_Biased	0.614	0.608	0.006
100	A107_Unbiased	0.606	0.613	-0.007
100	A108_Unbiased	0.606	0.614	-0.007
100	A109_Unbiased	0.607	0.607	0.000
100	A110_Unbiased	0.606	0.610	-0.004
100	A111_Unbiased	0.606	0.609	-0.004
100	A112_Unbiased	0.607	0.614	-0.008
100	A113_Unbiased	0.613	0.608	0.005
100	B27_Unbiased	0.603	0.603	0.000
100	B29_Unbiased	0.605	0.606	0.000
100	B30_Unbiased	0.604	0.605	-0.001
100	B31_Unbiased	0.605	0.606	-0.001
100	B32_Unbiased	0.632	0.606	0.026
100	B33_Unbiased	0.604	0.605	-0.001
100	B34_Unbiased	0.631	0.604	0.027
100	B35_Unbiased	0.603	0.603	0.000
100	C32_Unbiased	0.611	0.605	0.005
100	C33_Unbiased	0.606	0.606	-0.001
100	C34_Unbiased	0.605	0.606	-0.001
100	C35_Unbiased	0.610	0.605	0.006
100	C36_Unbiased	0.607	0.610	-0.003
100	C37_Unbiased	0.604	0.612	-0.008
100	C38_Unbiased	0.605	0.606	-0.001
	Max	0.632	0.635	0.027
	Average	0.608	0.612	-0.004
	Min	0.601	0.602	-0.029
	Std Dev	0.006	0.009	0.010

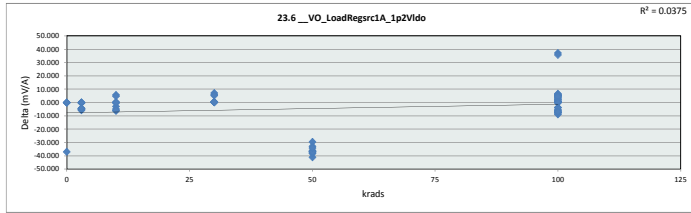


23.4_VO_srcload1A_1p2Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.65 V					
Min Limit	0.55 V					
Krads	0	3	10	30	50	100
LL	0.550	0.550	0.550	0.550	0.550	0.550
Min	0.606	0.608	0.604	0.605	0.630	0.602
Average	0.623	0.612	0.608	0.606	0.632	0.608
Max	0.632	0.615	0.614	0.608	0.635	0.618
UL	0.650	0.650	0.650	0.650	0.650	0.650

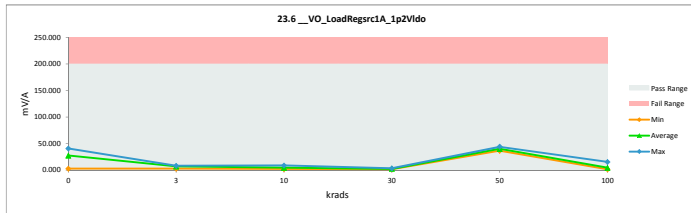


TID 100krad LDR Report
TPS7H3301-SP

23.6_VO_LoadRegrsrc1A_1p2V1				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	15.223	15.223	0.000
3	A79_Biased	2.404	8.248	-5.844
3	A80_Biased	3.425	7.880	-4.455
3	B1_Biased	3.019	8.183	-5.164
3	B2_Biased	6.859	6.784	0.075
3	C1_Biased	3.054	8.070	-5.016
3	A82_Unbiased	3.245	7.843	-4.598
3	A83_Unbiased	2.785	3.047	-0.262
3	B4_Unbiased	7.621	7.846	-0.225
3	B5_Unbiased	8.239	8.307	-0.068
3	C2_Unbiased	3.011	7.462	-4.451
10	A85_Biased	4.187	7.121	-2.934
10	A86_Biased	2.294	2.933	-0.299
10	B6_Biased	8.061	2.430	5.631
10	C3_Biased	3.698	3.193	0.505
10	C4_Biased	7.461	2.794	4.667
10	A87_Unbiased	2.584	8.828	-6.244
10	A88_Unbiased	2.840	7.817	-4.957
10	B7_Unbiased	2.469	2.431	0.038
10	C5_Unbiased	2.446	8.382	-5.936
10	C6_Unbiased	2.760	2.795	-0.035
0	106_Corr	3.125	3.125	0.000
30	A89_Biased	3.545	3.237	0.308
30	B8_Biased	8.036	2.165	5.871
30	B9_Biased	2.840	2.441	0.399
30	C7_Biased	8.841	1.650	7.191
30	C9_Biased	3.478	3.184	0.294
30	A90_Unbiased	3.875	3.633	0.242
30	B10_Unbiased	2.791	2.649	0.142
30	B11_Unbiased	3.389	3.029	0.360
30	C11_Unbiased	2.554	2.080	0.274
30	C12_Unbiased	8.078	2.782	5.296
0	106_Corr	41.102	41.102	0.000
0	15B_Corr	37.867	37.867	0.000
50	A92_Biased	2.324	38.374	-36.050
50	A93_Biased	7.253	36.805	-29.552
50	B12_Biased	3.723	40.444	-36.721
50	B13_Biased	3.184	44.237	-41.053
50	C14_Biased	3.290	41.194	-37.904
50	A95_Unbiased	4.243	41.191	-36.948
50	A96_Unbiased	2.591	40.965	-38.374
50	B15_Unbiased	4.164	37.176	-33.012
50	B16_Unbiased	4.346	41.315	-36.969
50	C15_Unbiased	6.964	41.145	-34.181
0	106_Corr	3.125	40.124	-36.999
100	A97_Biased	3.484	3.035	0.449
100	A99_Biased	3.578	3.129	0.449
100	A100_Biased	3.275	11.146	-7.871
100	A101_Biased	2.926	2.604	0.322
100	A102_Biased	3.059	3.122	-0.063
100	A104_Biased	7.701	15.489	-7.788
100	A105_Biased	4.016	3.205	0.811
100	B17_Biased	2.992	2.330	0.662
100	B18_Biased	5.009	4.134	0.875
100	B19_Biased	3.544	7.285	-3.741
100	B20_Biased	7.720	2.366	5.354
100	B21_Biased	4.071	3.550	0.521
100	B24_Biased	3.119	2.546	0.573
100	B25_Biased	5.697	2.914	2.783
100	B26_Biased	6.917	3.105	3.812
100	C16_Biased	7.189	2.612	4.577
100	C17_Biased	3.216	9.623	-6.407
100	C18_Biased	7.417	1.990	5.427
100	C19_Biased	2.886	11.814	-8.928
100	C25_Biased	3.150	2.751	0.399
100	C26_Biased	6.723	14.213	-7.490
100	C31_Biased	8.579	6.522	2.057
100	A107_Unbiased	1.996	8.394	-6.398
100	A108_Unbiased	2.899	8.326	-5.427
100	A109_Unbiased	2.961	3.106	-0.145
100	A110_Unbiased	3.783	1.531	2.252
100	A111_Unbiased	3.665	1.708	1.957
100	A112_Unbiased	3.628	7.581	-3.953
100	A113_Unbiased	8.052	2.152	5.900
100	B27_Unbiased	4.014	3.662	0.352
100	B29_Unbiased	3.289	3.018	0.271
100	B30_Unbiased	3.933	3.706	0.227
100	B31_Unbiased	3.061	2.758	0.303
100	B32_Unbiased	39.611	2.414	37.197
100	B33_Unbiased	2.776	2.438	0.338
100	B34_Unbiased	39.655	4.028	35.627
100	B35_Unbiased	4.063	3.857	0.206
100	C32_Unbiased	7.838	2.387	5.451
100	C33_Unbiased	2.725	2.246	0.479
100	C34_Unbiased	3.680	3.236	0.444
100	C35_Unbiased	7.466	3.155	4.311
100	C36_Unbiased	2.261	2.024	0.237
100	C37_Unbiased	2.528	9.655	-7.127
100	C38_Unbiased	2.974	2.722	0.252
	Max	41.102	44.237	37.197
	Average	6.013	9.981	-3.968
	Min	1.996	1.531	-41.053
	Std Dev	7.661	12.947	13.833

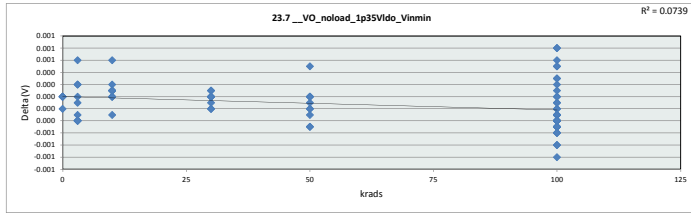


23.6_VO_LoadRegrsrc1A_1p2						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	3.125	3.047	2.430	1.650	36.805	1.531
Average	27.488	7.367	4.838	2.685	40.285	4.525
Max	41.102	8.307	8.828	3.633	44.237	15.489
UL	200.000	200.000	200.000	200.000	200.000	200.000

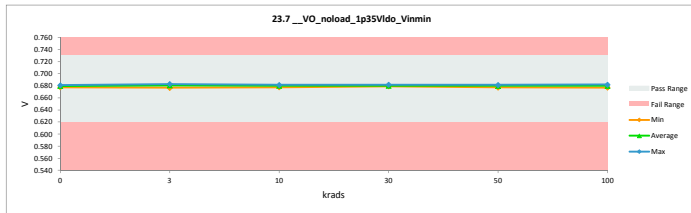


TID 100krad LDR Report
TPS7H3301-SP

23.7_VO_noload_1p35Vido_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.73	0.73		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.681	0.681	0.000
3	A79_Biased	0.683	0.683	0.000
3	A80_Biased	0.681	0.682	0.000
3	B1_Biased	0.682	0.681	0.000
3	B2_Biased	0.677	0.677	0.000
3	C1_Biased	0.680	0.681	0.000
3	A82_Unbiased	0.682	0.681	0.000
3	A83_Unbiased	0.683	0.682	0.001
3	B4_Unbiased	0.679	0.680	0.000
3	B5_Unbiased	0.680	0.680	0.000
3	C2_Unbiased	0.681	0.682	0.000
10	A85_Biased	0.678	0.678	0.000
10	A86_Biased	0.680	0.680	0.000
10	B6_Biased	0.682	0.682	0.000
10	C3_Biased	0.680	0.680	0.000
10	C4_Biased	0.681	0.681	0.000
10	A87_Unbiased	0.679	0.679	0.000
10	A88_Unbiased	0.682	0.682	0.000
10	B7_Unbiased	0.680	0.680	0.000
10	C5_Unbiased	0.681	0.681	0.000
10	C6_Unbiased	0.679	0.678	0.000
0	106_Corr	0.680	0.680	0.000
30	A89_Biased	0.679	0.679	0.000
30	B8_Biased	0.682	0.682	0.000
30	B9_Biased	0.679	0.679	0.000
30	C7_Biased	0.680	0.680	0.000
30	C9_Biased	0.679	0.679	0.000
30	A90_Unbiased	0.681	0.681	0.000
30	B10_Unbiased	0.679	0.679	0.000
30	B11_Unbiased	0.680	0.680	0.000
30	C11_Unbiased	0.680	0.680	0.000
30	C12_Unbiased	0.680	0.680	0.000
0	106_Corr	0.680	0.680	0.000
0	15B_Corr	0.678	0.678	0.000
50	A92_Biased	0.681	0.681	0.000
50	A93_Biased	0.681	0.681	0.000
50	B12_Biased	0.678	0.678	0.000
50	B13_Biased	0.679	0.679	0.000
50	C14_Biased	0.680	0.680	0.000
50	A95_Unbiased	0.677	0.677	0.000
50	A96_Unbiased	0.680	0.680	0.000
50	B15_Unbiased	0.681	0.681	0.001
50	B16_Unbiased	0.679	0.679	0.000
50	C15_Unbiased	0.681	0.682	0.000
0	106_Corr	0.680	0.680	0.000
100	A97_Biased	0.679	0.680	0.000
100	A99_Biased	0.680	0.681	-0.001
100	A100_Biased	0.677	0.678	-0.001
100	A101_Biased	0.682	0.681	0.001
100	A102_Biased	0.681	0.681	0.000
100	A104_Biased	0.680	0.680	0.000
100	A105_Biased	0.679	0.678	0.000
100	B17_Biased	0.680	0.681	-0.001
100	B18_Biased	0.677	0.677	0.000
100	B19_Biased	0.678	0.678	0.000
100	B20_Biased	0.680	0.681	-0.001
100	B21_Biased	0.680	0.680	0.000
100	B24_Biased	0.679	0.679	0.000
100	B25_Biased	0.679	0.679	0.000
100	B26_Biased	0.677	0.677	0.000
100	C16_Biased	0.681	0.682	-0.001
100	C17_Biased	0.680	0.680	0.000
100	C18_Biased	0.681	0.682	-0.001
100	C19_Biased	0.680	0.680	0.000
100	C25_Biased	0.680	0.680	0.000
100	C26_Biased	0.680	0.680	0.000
100	C31_Biased	0.682	0.682	0.000
100	A107_Unbiased	0.681	0.681	0.000
100	A108_Unbiased	0.680	0.681	0.000
100	A109_Unbiased	0.681	0.681	0.000
100	A110_Unbiased	0.681	0.681	0.000
100	A111_Unbiased	0.681	0.680	0.001
100	A112_Unbiased	0.681	0.681	0.000
100	A113_Unbiased	0.681	0.682	-0.001
100	B27_Unbiased	0.679	0.679	-0.001
100	B29_Unbiased	0.681	0.680	0.000
100	B30_Unbiased	0.679	0.679	0.000
100	B31_Unbiased	0.681	0.680	0.001
100	B32_Unbiased	0.680	0.680	0.000
100	B33_Unbiased	0.678	0.679	-0.001
100	B34_Unbiased	0.678	0.679	0.000
100	B35_Unbiased	0.678	0.678	0.000
100	C32_Unbiased	0.679	0.679	0.000
100	C33_Unbiased	0.681	0.680	0.001
100	C34_Unbiased	0.680	0.680	0.000
100	C35_Unbiased	0.678	0.679	0.000
100	C36_Unbiased	0.681	0.681	0.000
100	C37_Unbiased	0.678	0.679	-0.001
100	C38_Unbiased	0.680	0.680	0.000
	Max	0.683	0.683	0.001
	Average	0.680	0.680	0.000
	Min	0.677	0.677	-0.001
	Std Dev	0.001	0.001	0.000

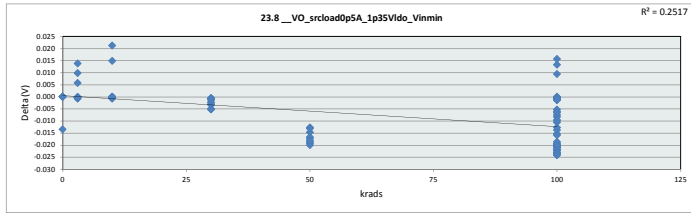


23.7_VO_noload_1p35Vido_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.73					
Min Limit	0.62					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.678	0.677	0.678	0.679	0.677	0.677
Average	0.680	0.681	0.680	0.680	0.680	0.680
Max	0.681	0.683	0.682	0.682	0.682	0.682
UL	0.730	0.730	0.730	0.730	0.730	0.730

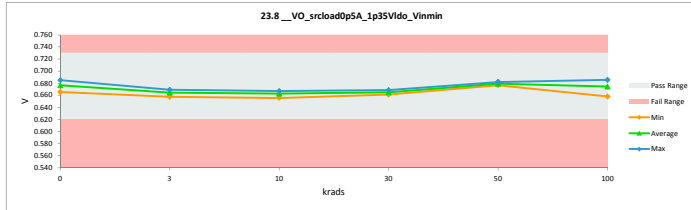


TID 100krad LDR Report
TPS7H3301-SP

23.8_VO_srcload0p5A_1p35VIt				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.73	0.73		
Min Limit	0.62	0.62		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.685	0.685	0.000
3	A79_Biased	0.669	0.669	-0.001
3	A80_Biased	0.678	0.664	0.014
3	B1_Biased	0.666	0.666	0.000
3	B2_Biased	0.657	0.657	0.000
3	C1_Biased	0.662	0.662	0.000
3	A82_Unbiased	0.670	0.665	0.006
3	A83_Unbiased	0.676	0.666	0.010
3	B4_Unbiased	0.665	0.665	0.000
3	B5_Unbiased	0.664	0.665	0.000
3	C2_Unbiased	0.665	0.665	0.000
10	A85_Biased	0.671	0.656	0.015
10	A86_Biased	0.684	0.663	0.021
10	B6_Biased	0.666	0.667	0.000
10	C3_Biased	0.663	0.664	-0.001
10	C4_Biased	0.666	0.666	0.000
10	A87_Unbiased	0.659	0.659	0.000
10	A88_Unbiased	0.667	0.667	0.000
10	B7_Unbiased	0.663	0.663	0.000
10	C5_Unbiased	0.664	0.664	0.000
10	C6_Unbiased	0.658	0.658	0.000
0	106_Corr	0.665	0.665	0.000
30	A89_Biased	0.661	0.663	-0.002
30	B8_Biased	0.668	0.669	-0.001
30	B9_Biased	0.662	0.665	-0.003
30	C7_Biased	0.661	0.662	-0.001
30	C9_Biased	0.661	0.661	0.000
30	A90_Unbiased	0.664	0.669	-0.005
30	B10_Unbiased	0.659	0.665	-0.005
30	B11_Unbiased	0.664	0.667	-0.003
30	C11_Unbiased	0.666	0.666	-0.002
30	C12_Unbiased	0.662	0.663	-0.001
0	106_Corr	0.679	0.679	0.000
0	15B_Corr	0.675	0.675	0.000
50	A92_Biased	0.664	0.679	-0.015
50	A93_Biased	0.666	0.678	-0.008
50	B12_Biased	0.659	0.678	-0.019
50	B13_Biased	0.661	0.680	-0.019
50	C14_Biased	0.661	0.679	-0.018
50	A95_Unbiased	0.660	0.677	-0.017
50	A96_Unbiased	0.663	0.680	-0.017
50	B15_Unbiased	0.666	0.679	-0.013
50	B16_Unbiased	0.659	0.679	-0.020
50	C15_Unbiased	0.664	0.682	-0.018
0	106_Corr	0.679	0.679	-0.013
100	A97_Biased	0.660	0.683	-0.023
100	A99_Biased	0.664	0.679	-0.015
100	A100_Biased	0.661	0.681	-0.020
100	A101_Biased	0.665	0.673	-0.008
100	A102_Biased	0.665	0.685	-0.019
100	A104_Biased	0.663	0.685	-0.022
100	A105_Biased	0.658	0.682	-0.024
100	B17_Biased	0.664	0.684	-0.020
100	B18_Biased	0.656	0.670	-0.014
100	B19_Biased	0.658	0.682	-0.024
100	B20_Biased	0.664	0.672	-0.007
100	B21_Biased	0.662	0.682	-0.020
100	B24_Biased	0.660	0.667	-0.007
100	B25_Biased	0.662	0.662	-0.001
100	B26_Biased	0.658	0.659	-0.001
100	C16_Biased	0.664	0.677	-0.013
100	C17_Biased	0.662	0.684	-0.022
100	C18_Biased	0.664	0.682	-0.019
100	C19_Biased	0.662	0.684	-0.022
100	C25_Biased	0.662	0.663	-0.001
100	C26_Biased	0.663	0.685	-0.022
100	C31_Biased	0.665	0.671	-0.005
100	A107_Unbiased	0.664	0.685	-0.021
100	A108_Unbiased	0.678	0.685	-0.006
100	A109_Unbiased	0.674	0.664	0.009
100	A110_Unbiased	0.663	0.684	-0.021
100	A111_Unbiased	0.664	0.684	-0.021
100	A112_Unbiased	0.664	0.685	-0.021
100	A113_Unbiased	0.666	0.682	-0.016
100	B27_Unbiased	0.660	0.660	0.000
100	B29_Unbiased	0.664	0.664	0.000
100	B30_Unbiased	0.661	0.661	-0.001
100	B31_Unbiased	0.661	0.663	-0.001
100	B32_Unbiased	0.679	0.663	0.016
100	B33_Unbiased	0.661	0.661	-0.001
100	B34_Unbiased	0.677	0.664	0.013
100	B35_Unbiased	0.658	0.658	0.000
100	C32_Unbiased	0.660	0.683	-0.023
100	C33_Unbiased	0.664	0.665	-0.001
100	C34_Unbiased	0.661	0.671	-0.011
100	C35_Unbiased	0.661	0.670	-0.010
100	C36_Unbiased	0.665	0.686	-0.020
100	C37_Unbiased	0.659	0.683	-0.024
100	C38_Unbiased	0.663	0.673	-0.010
	Max	0.685	0.686	0.001
	Average	0.665	0.672	-0.007
	Min	0.656	0.656	-0.024
	Std Dev	0.006	0.009	0.011

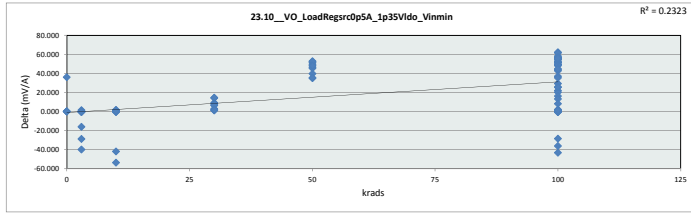


23.8_VO_srcload0p5A_1p35V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.73 V					
Min Limit	0.62 V					
Krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.665	0.657	0.656	0.661	0.677	0.658
Average	0.677	0.664	0.663	0.665	0.679	0.675
Max	0.685	0.669	0.667	0.669	0.682	0.686
UL	0.730	0.730	0.730	0.730	0.730	0.730

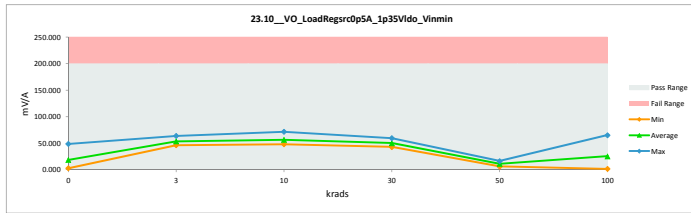


TID 100krad LDR Report
TPS7H3301-SP

23_10_VO_LoadRegrc0p5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.906	2.906	0.000
3	A79_Biased	47.618	46.092	1.526
3	A80_Biased	15.999	55.978	-39.979
3	B1_Biased	50.237	50.398	-0.161
3	B2_Biased	63.709	63.744	-0.035
3	C1_Biased	58.420	58.161	0.259
3	A82_Unbiased	38.507	54.527	-16.020
3	A83_Unbiased	23.741	52.595	-28.854
3	B4_Unbiased	49.447	49.740	-0.293
3	B5_Unbiased	50.119	50.571	-0.452
3	C2_Unbiased	53.932	53.907	0.025
10	A85_Biased	29.540	71.467	-41.927
10	A86_Biased	60.673	57.146	-53.713
10	B6_Biased	49.991	49.663	0.328
10	C3_Biased	56.125	54.412	1.713
10	C4_Biased	51.224	50.561	0.663
10	A87_Unbiased	61.859	62.233	-0.374
10	A88_Unbiased	47.903	47.922	-0.019
10	B7_Unbiased	53.833	54.010	-0.177
10	C5_Unbiased	55.507	54.739	0.768
10	C6_Unbiased	64.208	63.659	0.549
0	106_Corr	48.839	48.839	0.000
30	A89_Biased	58.815	52.290	6.525
30	B8_Biased	46.494	43.564	2.930
30	B9_Biased	55.905	46.798	9.107
30	C7_Biased	59.401	58.171	1.230
30	C9_Biased	60.763	59.363	1.400
30	A90_Unbiased	57.157	42.934	14.223
30	B10_Unbiased	62.250	47.798	14.452
30	B11_Unbiased	55.209	46.913	8.296
30	C11_Unbiased	54.149	47.318	6.831
30	C12_Unbiased	57.865	55.698	2.167
0	106_Corr	10.660	10.660	0.000
0	15B_Corr	17.600	17.600	0.000
50	A92_Biased	54.482	14.502	39.980
50	A93_Biased	49.686	14.663	35.023
50	B12_Biased	63.388	11.989	51.399
50	B13_Biased	58.408	6.208	52.200
50	C14_Biased	59.199	9.857	49.342
50	A95_Unbiased	58.576	12.031	46.545
50	A96_Unbiased	54.948	9.477	45.471
50	B15_Unbiased	51.892	16.446	35.446
50	B16_Unbiased	63.920	11.066	52.854
50	C15_Unbiased	56.115	7.954	48.161
0	106_Corr	48.839	48.839	0.000
100	A97_Biased	61.932	3.542	58.390
100	A99_Biased	55.627	12.628	42.999
100	A100_Biased	53.331	3.618	49.713
100	A101_Biased	52.324	30.169	22.155
100	A102_Biased	51.446	3.097	48.349
100	A104_Biased	55.606	4.174	51.432
100	A105_Biased	64.392	2.157	62.235
100	B17_Biased	52.133	2.689	49.444
100	B18_Biased	65.079	27.261	37.818
100	B19_Biased	64.835	3.083	61.752
100	B20_Biased	53.111	32.692	20.419
100	B21_Biased	60.555	3.483	57.072
100	B24_Biased	57.531	41.216	16.315
100	B25_Biased	56.576	55.976	0.600
100	B26_Biased	60.815	59.812	1.003
100	C16_Biased	55.858	20.551	35.307
100	C17_Biased	58.936	3.302	55.634
100	C18_Biased	56.110	5.024	51.086
100	C19_Biased	56.571	4.495	52.076
100	C25_Biased	57.839	55.595	2.244
100	C26_Biased	57.448	2.869	54.579
100	C31_Biased	53.528	39.980	13.548
100	A107_Unbiased	54.228	4.957	49.271
100	A108_Unbiased	11.941	3.846	8.095
100	A109_Unbiased	28.493	56.896	-28.403
100	A110_Unbiased	57.755	1.867	55.888
100	A111_Unbiased	55.264	2.594	52.670
100	A112_Unbiased	56.651	1.537	55.114
100	A113_Unbiased	50.889	7.157	43.732
100	B27_Unbiased	58.700	58.195	0.505
100	B29_Unbiased	54.421	55.092	-0.671
100	B30_Unbiased	59.601	59.385	0.216
100	B31_Unbiased	59.671	59.007	0.664
100	B32_Unbiased	13.290	56.560	-43.270
100	B33_Unbiased	57.211	56.953	0.258
100	B34_Unbiased	54.905	53.063	-16.158
100	B35_Unbiased	64.742	65.166	-0.424
100	C32_Unbiased	60.873	4.023	56.850
100	C33_Unbiased	51.232	49.885	1.347
100	C34_Unbiased	61.117	31.888	29.229
100	C35_Unbiased	58.114	52.884	25.780
100	C36_Unbiased	50.438	5.424	45.014
100	C37_Unbiased	60.918	5.096	55.822
100	C38_Unbiased	55.665	30.106	25.559
	Max	65.079	71.467	62.235
	Average	51.127	32.879	18.249
	Min	2.906	1.537	-53.713
	Std Dev	14.503	23.148	28.261

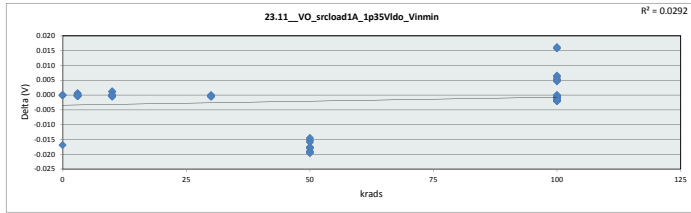


23_10_VO_LoadRegrc0p5A_1p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.906	46.092	47.922	42.934	6.208	1.537
Average	18.522	53.561	56.581	50.085	11.419	25.389
Max	48.839	63.744	71.467	59.363	16.446	65.166
UL	200.000	200.000	200.000	200.000	200.000	200.000

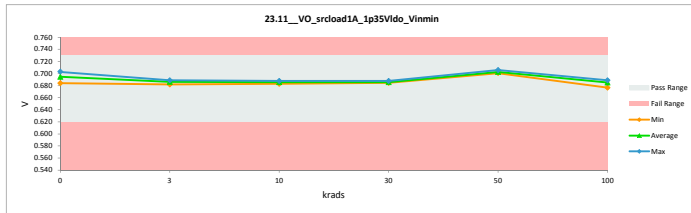


TID 100krad LDR Report
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23.11_VO_srcload1A_1p35Vido				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.73	0.73		
Min Limit	0.62	0.62		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.684	0.684	0.000
3	A79_Biased	0.688	0.689	0.000
3	A80_Biased	0.687	0.687	0.000
3	B1_Biased	0.687	0.687	0.000
3	B2_Biased	0.682	0.682	0.000
3	C1_Biased	0.685	0.685	0.000
3	A82_Unbiased	0.687	0.687	0.001
3	A83_Unbiased	0.688	0.688	0.000
3	B4_Unbiased	0.685	0.686	0.000
3	B5_Unbiased	0.685	0.686	0.000
3	C2_Unbiased	0.687	0.687	0.000
10	A85_Biased	0.684	0.683	0.001
10	A86_Biased	0.687	0.684	0.001
10	B6_Biased	0.687	0.688	-0.001
10	C3_Biased	0.685	0.686	0.000
10	C4_Biased	0.687	0.687	0.000
10	A87_Unbiased	0.684	0.684	0.000
10	A88_Unbiased	0.687	0.687	0.000
10	B7_Unbiased	0.685	0.685	0.000
10	C5_Unbiased	0.687	0.687	0.000
10	C6_Unbiased	0.684	0.684	0.000
0	106_Corr	0.685	0.685	0.000
30	A89_Biased	0.684	0.685	0.000
30	B8_Biased	0.687	0.688	-0.001
30	B9_Biased	0.684	0.685	0.000
30	C7_Biased	0.685	0.686	0.000
30	C9_Biased	0.684	0.685	0.000
30	A90_Unbiased	0.687	0.687	0.000
30	B10_Unbiased	0.684	0.685	0.000
30	B11_Unbiased	0.686	0.686	0.000
30	C11_Unbiased	0.686	0.686	0.000
30	C12_Unbiased	0.685	0.686	0.000
0	106_Corr	0.703	0.703	0.000
0	15B_Corr	0.698	0.698	0.000
50	A92_Biased	0.687	0.702	-0.015
50	A93_Biased	0.686	0.701	-0.014
50	B12_Biased	0.684	0.702	-0.018
50	B13_Biased	0.684	0.704	-0.020
50	C14_Biased	0.685	0.703	-0.018
50	A95_Unbiased	0.683	0.701	-0.018
50	A96_Unbiased	0.686	0.704	-0.018
50	B15_Unbiased	0.686	0.702	-0.016
50	B16_Unbiased	0.684	0.703	-0.019
50	C15_Unbiased	0.686	0.706	-0.019
0	106_Corr	0.685	0.702	-0.017
100	A97_Biased	0.685	0.686	-0.001
100	A99_Biased	0.686	0.687	-0.001
100	A100_Biased	0.683	0.677	0.006
100	A101_Biased	0.686	0.687	-0.001
100	A102_Biased	0.686	0.688	-0.001
100	A104_Biased	0.686	0.681	0.005
100	A105_Biased	0.683	0.685	-0.002
100	B17_Biased	0.686	0.687	-0.002
100	B18_Biased	0.681	0.683	-0.002
100	B19_Biased	0.683	0.678	0.005
100	B20_Biased	0.686	0.687	-0.002
100	B21_Biased	0.685	0.687	-0.001
100	B24_Biased	0.683	0.684	-0.001
100	B25_Biased	0.684	0.685	-0.001
100	B26_Biased	0.682	0.682	-0.001
100	C16_Biased	0.686	0.688	-0.001
100	C17_Biased	0.685	0.680	0.005
100	C18_Biased	0.687	0.688	-0.002
100	C19_Biased	0.685	0.680	0.005
100	C25_Biased	0.685	0.686	-0.001
100	C26_Biased	0.686	0.681	0.005
100	C31_Biased	0.688	0.689	-0.001
100	A107_Unbiased	0.687	0.688	-0.001
100	A108_Unbiased	0.687	0.680	0.007
100	A109_Unbiased	0.687	0.687	0.000
100	A110_Unbiased	0.686	0.688	-0.001
100	A111_Unbiased	0.686	0.687	-0.002
100	A112_Unbiased	0.687	0.687	0.000
100	A113_Unbiased	0.687	0.688	-0.002
100	B27_Unbiased	0.683	0.683	-0.001
100	B29_Unbiased	0.686	0.686	-0.001
100	B30_Unbiased	0.684	0.685	-0.001
100	B31_Unbiased	0.685	0.687	-0.001
100	B32_Unbiased	0.702	0.686	0.016
100	B33_Unbiased	0.684	0.685	-0.001
100	B34_Unbiased	0.701	0.685	0.016
100	B35_Unbiased	0.683	0.684	0.000
100	C32_Unbiased	0.684	0.686	-0.002
100	C33_Unbiased	0.685	0.686	-0.001
100	C34_Unbiased	0.685	0.686	-0.001
100	C35_Unbiased	0.684	0.685	-0.001
100	C36_Unbiased	0.687	0.689	-0.002
100	C37_Unbiased	0.684	0.679	0.005
100	C38_Unbiased	0.685	0.687	-0.001
	Max	0.703	0.706	0.016
	Average	0.686	0.688	-0.002
	Min	0.681	0.677	-0.020
	Std Dev	0.004	0.007	0.007

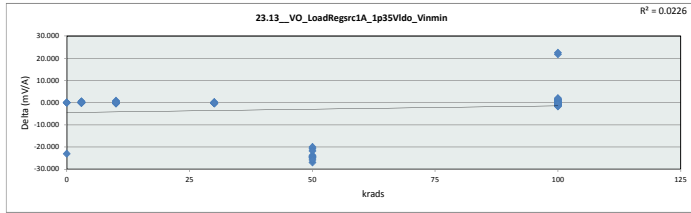


23.11_VO_srcload1A_1p35Vido						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.73					
Min Limit	0.62					
krads	0	3	10	30	50	100
LL	0.620	0.620	0.620	0.620	0.620	0.620
Min	0.684	0.682	0.683	0.685	0.701	0.677
Average	0.695	0.686	0.686	0.686	0.703	0.685
Max	0.703	0.689	0.688	0.688	0.706	0.689
UL	0.730	0.730	0.730	0.730	0.730	0.730

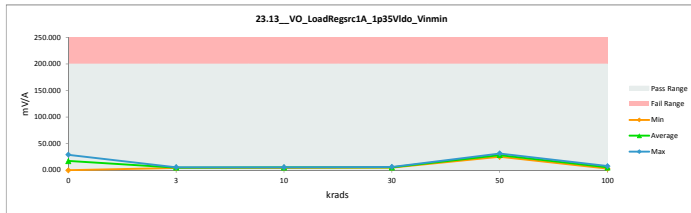


TID 100krad LDR Report
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23.13_VO_LoadResrc1A_1p35				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.096	0.096	0.000
3	A79_Biased	5.591	5.770	-0.179
3	A80_Biased	5.297	5.112	0.185
3	B1_Biased	5.373	5.365	0.008
3	B2_Biased	4.271	4.386	-0.115
3	C1_Biased	5.273	5.351	-0.078
3	A82_Unbiased	5.467	4.885	0.582
3	A83_Unbiased	5.688	5.294	0.394
3	B4_Unbiased	4.601	4.823	-0.222
3	B5_Unbiased	5.537	5.631	-0.094
3	C2_Unbiased	5.336	5.380	-0.044
10	A85_Biased	5.094	4.538	0.556
10	A86_Biased	4.337	4.480	0.857
10	B6_Biased	5.223	5.718	-0.495
10	C3_Biased	4.867	5.221	-0.354
10	C4_Biased	4.954	5.221	-0.267
10	A87_Unbiased	5.544	5.788	-0.244
10	A88_Unbiased	4.811	4.751	0.060
10	B7_Unbiased	5.483	5.469	0.014
10	C5_Unbiased	5.549	5.614	-0.065
10	C6_Unbiased	5.725	5.762	-0.037
0	106_Corr	5.028	5.028	0.000
30	A89_Biased	4.836	4.948	-0.112
30	B8_Biased	5.288	5.678	-0.390
30	B9_Biased	5.203	5.605	-0.402
30	C7_Biased	6.052	6.411	-0.359
30	C9_Biased	4.734	5.061	-0.327
30	A90_Unbiased	5.249	5.071	0.178
30	B10_Unbiased	5.711	5.918	-0.207
30	B11_Unbiased	4.948	5.294	-0.346
30	C11_Unbiased	5.689	5.953	-0.264
30	C12_Unbiased	5.160	5.457	-0.297
0	106_Corr	29.244	29.244	0.000
0	15B_Corr	25.606	25.606	0.000
50	A92_Biased	5.865	26.679	-20.814
50	A93_Biased	5.217	25.352	-20.135
50	B12_Biased	4.744	28.621	-23.877
50	B13_Biased	4.896	31.833	-26.937
50	C14_Biased	5.180	29.562	-24.382
50	A95_Unbiased	4.701	29.379	-24.678
50	A96_Unbiased	5.483	29.815	-24.332
50	B15_Unbiased	4.050	25.877	-21.827
50	B16_Unbiased	4.415	29.456	-25.041
50	C15_Unbiased	4.759	30.614	-25.855
0	106_Corr	5.028	28.129	-23.101
100	A97_Biased	5.203	6.026	-0.823
100	A99_Biased	4.705	5.398	-0.693
100	A100_Biased	5.558	4.895	0.663
100	A101_Biased	5.057	5.900	-0.843
100	A102_Biased	4.944	4.105	-1.161
100	A104_Biased	4.948	3.966	0.982
100	A105_Biased	4.470	5.685	-1.215
100	B17_Biased	5.064	6.238	-1.184
100	B18_Biased	3.647	4.617	-0.970
100	B19_Biased	5.022	4.762	0.260
100	B20_Biased	4.683	6.183	-1.500
100	B21_Biased	4.235	5.169	-0.934
100	B24_Biased	5.051	4.837	0.214
100	B25_Biased	4.544	5.232	-0.688
100	B26_Biased	4.751	5.114	-0.363
100	C16_Biased	4.748	5.827	-1.079
100	C17_Biased	4.908	4.448	0.460
100	C18_Biased	5.249	6.484	-1.235
100	C19_Biased	5.389	3.987	1.402
100	C25_Biased	4.852	5.604	-0.752
100	C26_Biased	4.699	5.020	-0.321
100	C31_Biased	5.802	6.393	-0.591
100	A107_Unbiased	6.245	7.249	-1.004
100	A108_Unbiased	5.924	4.643	1.281
100	A109_Unbiased	5.421	5.329	0.092
100	A110_Unbiased	4.590	5.631	-1.041
100	A111_Unbiased	4.856	5.798	-1.442
100	A112_Unbiased	4.646	3.106	1.540
100	A113_Unbiased	5.470	6.361	-0.891
100	B27_Unbiased	4.203	4.568	-0.365
100	B29_Unbiased	4.934	5.360	-0.426
100	B30_Unbiased	4.457	4.833	-0.376
100	B31_Unbiased	5.126	5.839	-0.713
100	B32_Unbiased	27.657	5.886	21.771
100	B33_Unbiased	5.539	5.963	-0.424
100	B34_Unbiased	27.852	5.108	22.444
100	B35_Unbiased	4.709	4.957	-0.248
100	C32_Unbiased	5.230	6.395	-1.165
100	C33_Unbiased	5.343	5.928	-0.585
100	C34_Unbiased	4.793	5.844	-0.751
100	C35_Unbiased	4.745	5.527	-0.782
100	C36_Unbiased	6.050	7.771	-1.721
100	C37_Unbiased	5.633	3.626	2.007
100	C38_Unbiased	5.058	5.732	-0.674
	Max	29.244	31.833	22.444
	Average	4.701	6.611	-2.661
	Min	0.096	0.096	-26.937
	Std Dev	4.744	8.299	8.676

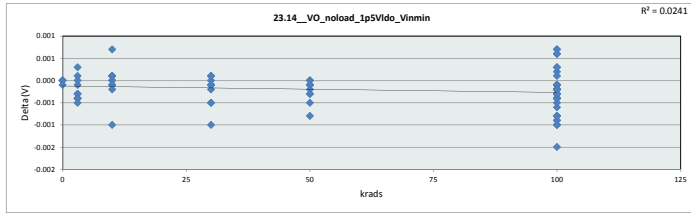


23.13_VO_LoadResrc1A_1p35					
Test Site	Dallas, Tx				
Testor	ETS				
Test Number	EF636800				
Unit	mV/A				
Max Limit	200				
Min Limit	0				
krads	0	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	0.096	4.386	4.538	4.948	25.352
Average	17.621	5.200	5.356	5.540	28.719
Max	29.244	5.770	5.788	6.411	31.833
UL	200.000	200.000	200.000	200.000	200.000

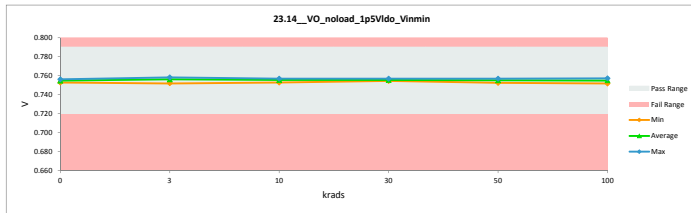


TID 100krad LDR Report
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23.14_VO_noload_1p5VIdo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.756	0.756	0.000
3	A79_Biased	0.758	0.758	0.000
3	A80_Biased	0.756	0.756	0.000
3	B1_Biased	0.757	0.756	0.000
3	B2_Biased	0.752	0.752	0.000
3	C1_Biased	0.756	0.756	0.000
3	A82_Unbiased	0.757	0.756	0.000
3	A83_Unbiased	0.757	0.757	0.000
3	B4_Unbiased	0.754	0.755	0.000
3	B5_Unbiased	0.755	0.755	0.000
3	C2_Unbiased	0.756	0.757	0.000
10	A85_Biased	0.753	0.753	0.000
10	A86_Biased	0.754	0.755	0.001
10	B6_Biased	0.757	0.757	0.000
10	C3_Biased	0.755	0.755	0.000
10	C4_Biased	0.756	0.756	0.000
10	A87_Unbiased	0.754	0.755	-0.001
10	A88_Unbiased	0.757	0.757	0.000
10	B7_Unbiased	0.756	0.756	0.000
10	C5_Unbiased	0.756	0.756	0.000
10	C6_Unbiased	0.754	0.754	0.000
0	106_Corr	0.755	0.755	0.000
30	A89_Biased	0.755	0.755	0.000
30	B8_Biased	0.757	0.757	0.000
30	B9_Biased	0.754	0.754	0.000
30	C7_Biased	0.755	0.755	-0.001
30	C9_Biased	0.754	0.754	0.000
30	A90_Unbiased	0.756	0.756	0.000
30	B10_Unbiased	0.754	0.754	0.000
30	B11_Unbiased	0.755	0.756	0.000
30	C11_Unbiased	0.756	0.756	0.000
30	C12_Unbiased	0.755	0.756	-0.001
0	106_Corr	0.755	0.755	0.000
0	15B_Corr	0.752	0.752	0.000
50	A92_Biased	0.756	0.756	0.000
50	A93_Biased	0.756	0.756	0.000
50	B12_Biased	0.753	0.753	0.000
50	B13_Biased	0.754	0.754	0.000
50	C14_Biased	0.755	0.755	0.000
50	A95_Unbiased	0.752	0.752	0.000
50	A96_Unbiased	0.755	0.755	0.000
50	B15_Unbiased	0.756	0.756	0.000
50	B16_Unbiased	0.753	0.754	-0.001
50	C15_Unbiased	0.756	0.757	-0.001
0	106_Corr	0.755	0.755	0.000
100	A97_Biased	0.754	0.755	0.000
100	A99_Biased	0.755	0.756	-0.001
100	A100_Biased	0.752	0.752	0.000
100	A101_Biased	0.755	0.755	0.000
100	A102_Biased	0.756	0.756	0.000
100	A104_Biased	0.755	0.755	0.000
100	A105_Biased	0.754	0.753	0.001
100	B17_Biased	0.755	0.756	-0.001
100	B18_Biased	0.751	0.752	-0.001
100	B19_Biased	0.753	0.753	0.000
100	B20_Biased	0.755	0.756	-0.001
100	B21_Biased	0.755	0.755	0.000
100	B24_Biased	0.753	0.754	-0.001
100	B25_Biased	0.754	0.754	-0.001
100	B26_Biased	0.752	0.752	0.000
100	C16_Biased	0.756	0.756	-0.001
100	C17_Biased	0.755	0.755	0.000
100	C18_Biased	0.756	0.757	-0.001
100	C19_Biased	0.755	0.755	0.000
100	C25_Biased	0.754	0.755	0.000
100	C26_Biased	0.755	0.755	0.000
100	C31_Biased	0.757	0.757	0.000
100	A107_Unbiased	0.756	0.756	0.000
100	A108_Unbiased	0.755	0.756	0.000
100	A109_Unbiased	0.756	0.756	0.000
100	A110_Unbiased	0.756	0.756	0.000
100	A111_Unbiased	0.755	0.755	0.000
100	A112_Unbiased	0.756	0.756	0.000
100	A113_Unbiased	0.756	0.756	0.000
100	B27_Unbiased	0.753	0.754	-0.002
100	B29_Unbiased	0.756	0.755	0.001
100	B30_Unbiased	0.754	0.754	0.000
100	B31_Unbiased	0.756	0.755	0.001
100	B32_Unbiased	0.755	0.755	0.000
100	B33_Unbiased	0.754	0.754	0.000
100	B34_Unbiased	0.753	0.753	0.000
100	B35_Unbiased	0.753	0.753	0.000
100	C32_Unbiased	0.754	0.754	0.000
100	C33_Unbiased	0.755	0.755	0.000
100	C34_Unbiased	0.755	0.755	0.001
100	C35_Unbiased	0.754	0.754	0.000
100	C36_Unbiased	0.756	0.756	0.000
100	C37_Unbiased	0.753	0.754	0.000
100	C38_Unbiased	0.755	0.755	0.000
	Max	0.758	0.758	0.001
	Average	0.755	0.755	0.000
	Min	0.751	0.752	-0.002
	Std Dev	0.001	0.001	0.000

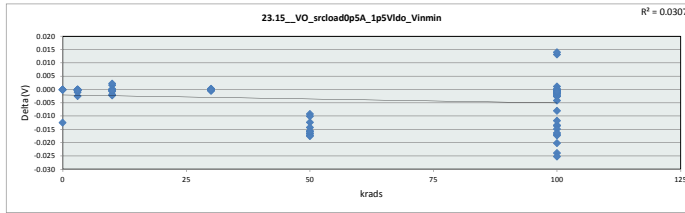


23.14_VO_noload_1p5VIdo_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.72	V				
krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.753	0.752	0.753	0.754	0.752	0.752
Average	0.755	0.756	0.755	0.755	0.755	0.755
Max	0.756	0.758	0.757	0.757	0.757	0.757
UL	0.790	0.790	0.790	0.790	0.790	0.790

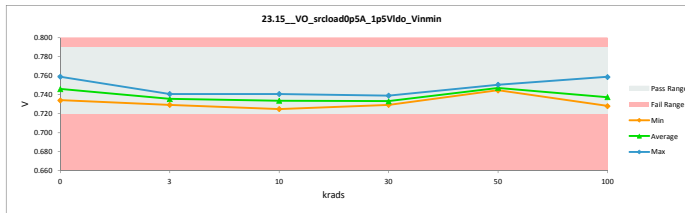


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23.15_VO_srcloadOp5A_1p5VId				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.79	0.79		
Min Limit	0.72	0.72		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.759	0.759	0.000
3	A79_Biased	0.740	0.741	-0.001
3	A80_Biased	0.735	0.735	0.000
3	B1_Biased	0.737	0.737	0.000
3	B2_Biased	0.727	0.729	-0.002
3	C1_Biased	0.732	0.732	0.000
3	A82_Unbiased	0.735	0.735	0.000
3	A83_Unbiased	0.737	0.737	0.000
3	B4_Unbiased	0.736	0.736	0.000
3	B5_Unbiased	0.736	0.736	0.000
3	C2_Unbiased	0.735	0.736	0.000
10	A85_Biased	0.727	0.725	0.002
10	A86_Biased	0.735	0.733	0.002
10	B6_Biased	0.738	0.737	0.000
10	C3_Biased	0.734	0.734	-0.001
10	C4_Biased	0.737	0.737	0.000
10	A87_Unbiased	0.730	0.732	-0.002
10	A88_Unbiased	0.739	0.741	-0.002
10	B7_Unbiased	0.734	0.734	0.000
10	C5_Unbiased	0.734	0.735	0.000
10	C6_Unbiased	0.728	0.728	0.000
0	106_Corr	0.734	0.734	0.000
30	A89_Biased	0.731	0.731	0.000
30	B8_Biased	0.739	0.739	0.000
30	B9_Biased	0.733	0.733	0.000
30	C7_Biased	0.731	0.732	0.000
30	C9_Biased	0.731	0.731	0.000
30	A90_Unbiased	0.734	0.734	0.000
30	B10_Unbiased	0.730	0.729	0.000
30	B11_Unbiased	0.734	0.734	0.000
30	C11_Unbiased	0.734	0.734	0.000
30	C12_Unbiased	0.732	0.733	0.000
0	106_Corr	0.747	0.747	0.000
0	15B_Corr	0.743	0.743	0.000
50	A92_Biased	0.735	0.747	-0.012
50	A93_Biased	0.738	0.747	-0.009
50	B12_Biased	0.729	0.746	-0.017
50	B13_Biased	0.731	0.748	-0.017
50	C14_Biased	0.732	0.748	-0.016
50	A95_Unbiased	0.728	0.745	-0.016
50	A96_Unbiased	0.734	0.748	-0.014
50	B15_Unbiased	0.737	0.747	-0.010
50	B16_Unbiased	0.729	0.747	-0.017
50	C15_Unbiased	0.735	0.751	-0.016
0	106_Corr	0.747	0.747	0.000
100	A97_Biased	0.730	0.731	-0.001
100	A99_Biased	0.734	0.734	-0.001
100	A100_Biased	0.729	0.753	-0.024
100	A101_Biased	0.735	0.736	0.000
100	A102_Biased	0.737	0.750	-0.013
100	A104_Biased	0.736	0.756	-0.020
100	A105_Biased	0.728	0.736	-0.008
100	B17_Biased	0.735	0.736	-0.001
100	B18_Biased	0.726	0.728	-0.002
100	B19_Biased	0.728	0.742	-0.014
100	B20_Biased	0.735	0.735	0.000
100	B21_Biased	0.732	0.733	-0.001
100	B24_Biased	0.730	0.732	-0.001
100	B25_Biased	0.732	0.732	0.000
100	B26_Biased	0.728	0.728	0.000
100	C16_Biased	0.735	0.736	-0.001
100	C17_Biased	0.732	0.744	-0.012
100	C18_Biased	0.734	0.736	-0.001
100	C19_Biased	0.733	0.750	-0.017
100	C25_Biased	0.732	0.733	-0.001
100	C26_Biased	0.734	0.759	-0.025
100	C31_Biased	0.737	0.737	0.000
100	A107_Unbiased	0.734	0.734	-0.003
100	A108_Unbiased	0.733	0.750	-0.017
100	A109_Unbiased	0.735	0.735	0.000
100	A110_Unbiased	0.734	0.736	-0.002
100	A111_Unbiased	0.734	0.736	-0.002
100	A112_Unbiased	0.735	0.750	-0.015
100	A113_Unbiased	0.738	0.737	0.001
100	B27_Unbiased	0.730	0.730	0.000
100	B29_Unbiased	0.734	0.734	0.000
100	B30_Unbiased	0.731	0.732	0.000
100	B31_Unbiased	0.732	0.733	-0.001
100	B32_Unbiased	0.747	0.733	0.013
100	B33_Unbiased	0.731	0.732	-0.001
100	B34_Unbiased	0.745	0.731	0.014
100	B35_Unbiased	0.728	0.728	0.000
100	C32_Unbiased	0.730	0.732	-0.002
100	C33_Unbiased	0.735	0.736	-0.001
100	C34_Unbiased	0.731	0.732	-0.001
100	C35_Unbiased	0.732	0.732	-0.001
100	C36_Unbiased	0.737	0.741	-0.004
100	C37_Unbiased	0.730	0.746	-0.016
100	C38_Unbiased	0.734	0.734	-0.001
	Max	0.759	0.759	0.014
	Average	0.734	0.738	-0.004
	Min	0.726	0.725	-0.025
	Std Dev	0.005	0.007	0.007

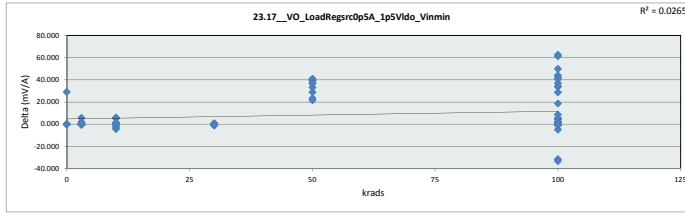


23.15_VO_srcloadOp5A_1p5V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.79	V				
Min Limit	0.72	V				
krads	LL	3	10	30	50	100
	LL	0.720	0.720	0.720	0.720	0.720
	Min	0.734	0.729	0.725	0.729	0.745
	Average	0.746	0.736	0.734	0.733	0.747
	Max	0.759	0.741	0.741	0.739	0.751
	UL	0.790	0.790	0.790	0.790	0.790

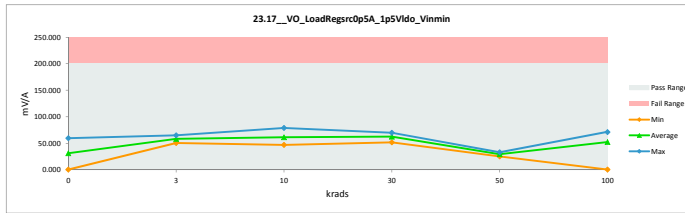


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23.17_VO_LoadRegsrcOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.360	0.360	0.000
3	A79_Biased	52.645	50.622	2.023
3	A80_Biased	61.157	60.526	0.631
3	B1_Biased	55.290	55.401	-0.111
3	B2_Biased	71.149	65.323	5.826
3	C1_Biased	64.983	64.627	0.356
3	A82_Unbiased	60.584	59.926	0.658
3	A83_Unbiased	58.127	58.420	-0.293
3	B4_Unbiased	55.279	55.377	-0.098
3	B5_Unbiased	55.308	55.786	-0.478
3	C2_Unbiased	59.536	59.346	0.190
10	A85_Biased	76.456	79.008	-2.552
10	A86_Biased	55.993	63.388	-4.295
10	B6_Biased	55.346	56.337	-0.991
10	C3_Biased	61.310	60.160	1.150
10	C4_Biased	55.753	55.456	0.297
10	A87_Unbiased	66.249	61.186	5.063
10	A88_Unbiased	53.048	47.049	5.999
10	B7_Unbiased	59.730	59.720	0.010
10	C5_Unbiased	61.945	61.433	0.512
10	C6_Unbiased	71.085	69.745	1.340
0	106_Corr	59.754	60.000	-0.246
30	A89_Biased	65.076	65.343	-0.267
30	B8_Biased	51.299	51.826	-0.527
30	B9_Biased	61.608	62.005	-0.397
30	C7_Biased	65.742	65.112	0.630
30	C9_Biased	67.040	66.197	0.843
30	A90_Unbiased	62.220	62.743	-0.523
30	B10_Unbiased	68.704	69.902	-1.198
30	B11_Unbiased	60.971	61.378	-0.407
30	C11_Unbiased	59.595	59.211	0.384
30	C12_Unbiased	63.774	63.701	0.073
0	106_Corr	28.880	28.880	0.000
0	158_Corr	35.344	35.344	0.000
50	A92_Biased	60.762	31.854	28.908
50	A93_Biased	63.163	61.650	1.513
50	B12_Biased	71.850	30.946	40.904
50	B13_Biased	65.265	25.897	39.368
50	C14_Biased	65.257	28.013	37.244
50	A95_Unbiased	70.057	30.568	39.489
50	A96_Unbiased	60.619	27.388	33.231
50	B15_Unbiased	56.415	33.103	23.312
50	B16_Unbiased	70.509	29.957	40.552
50	C15_Unbiased	61.491	24.965	36.526
0	106_Corr	59.754	30.747	29.007
100	A97_Biased	68.251	67.146	1.105
100	A99_Biased	62.873	62.348	0.525
100	A100_Biased	67.052	5.677	61.375
100	A101_Biased	57.739	58.664	-0.925
100	A102_Biased	56.286	22.336	33.950
100	A104_Biased	56.500	6.701	49.799
100	A105_Biased	71.516	52.628	18.888
100	B17_Biased	57.713	57.534	0.179
100	B18_Biased	71.722	68.999	2.723
100	B19_Biased	70.987	37.231	33.756
100	B20_Biased	58.470	59.202	-0.732
100	B21_Biased	66.282	66.073	0.209
100	B24_Biased	64.214	63.562	0.652
100	B25_Biased	62.677	62.754	-0.077
100	B26_Biased	67.168	67.188	-0.020
100	C16_Biased	61.226	59.986	1.240
100	C17_Biased	64.823	36.061	28.762
100	C18_Biased	61.602	60.402	1.200
100	C19_Biased	62.090	20.130	41.960
100	C25_Biased	63.553	62.409	1.144
100	C26_Biased	62.894	0.338	62.556
100	C31_Biased	58.490	58.880	-0.360
100	A107_Unbiased	62.088	56.827	5.461
100	A108_Unbiased	65.727	21.704	44.023
100	A109_Unbiased	62.583	63.036	-0.453
100	A110_Unbiased	63.968	59.212	4.756
100	A111_Unbiased	62.218	57.183	5.035
100	A112_Unbiased	61.738	24.941	36.797
100	A113_Unbiased	53.133	57.917	-4.784
100	B27_Unbiased	64.815	64.646	0.169
100	B29_Unbiased	59.764	60.396	-0.632
100	B30_Unbiased	65.711	65.691	0.020
100	B31_Unbiased	65.693	65.136	0.557
100	B32_Unbiased	31.756	63.157	-31.401
100	B33_Unbiased	64.072	63.806	0.266
100	B34_Unbiased	33.032	66.250	-33.218
100	B35_Unbiased	71.131	71.398	-0.267
100	C32_Unbiased	66.638	64.792	1.846
100	C33_Unbiased	56.001	55.603	0.398
100	C34_Unbiased	66.625	65.004	1.621
100	C35_Unbiased	63.252	63.467	-0.215
100	C36_Unbiased	55.196	46.526	8.670
100	C37_Unbiased	66.690	26.142	40.548
100	C38_Unbiased	61.238	61.013	0.225
	Max	76.456	79.008	62.556
	Average	61.415	61.413	9.003
	Min	0.360	0.338	-33.218
	Std Dev	10.364	17.893	17.989

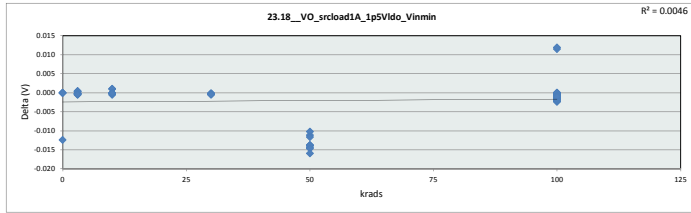


23.17_VO_LoadRegsrcOp5A_1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.360	50.622	47.049	51.826	24.965	0.338
Average	31.017	58.535	61.348	62.742	29.434	52.274
Max	59.754	65.323	79.008	69.902	33.103	71.398
UL	200.000	200.000	200.000	200.000	200.000	200.000

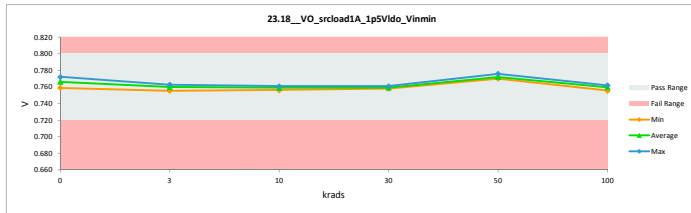


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23.18_VO_srcload1A_1p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.72	0.72		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.762	0.762	0.000
3	A79_Biased	0.762	0.763	-0.001
3	A80_Biased	0.761	0.760	0.000
3	B1_Biased	0.760	0.761	0.000
3	B2_Biased	0.755	0.755	0.000
3	C1_Biased	0.759	0.759	0.000
3	A82_Unbiased	0.760	0.760	0.000
3	A83_Unbiased	0.762	0.761	0.000
3	B4_Unbiased	0.759	0.759	0.000
3	B5_Unbiased	0.759	0.759	0.000
3	C2_Unbiased	0.760	0.761	0.000
10	A85_Biased	0.757	0.756	0.001
10	A86_Biased	0.760	0.759	0.001
10	B6_Biased	0.761	0.761	0.000
10	C3_Biased	0.759	0.759	0.000
10	C4_Biased	0.760	0.760	0.000
10	A87_Unbiased	0.758	0.758	0.000
10	A88_Unbiased	0.761	0.761	0.000
10	B7_Unbiased	0.759	0.759	0.000
10	C5_Unbiased	0.760	0.760	0.000
10	C6_Unbiased	0.757	0.757	0.000
0	106_Corr	0.759	0.759	0.000
30	A89_Biased	0.758	0.758	0.000
30	B8_Biased	0.761	0.761	0.000
30	B9_Biased	0.758	0.758	0.000
30	C7_Biased	0.759	0.759	0.000
30	C9_Biased	0.758	0.758	0.000
30	A90_Unbiased	0.760	0.760	0.000
30	B10_Unbiased	0.758	0.758	0.000
30	B11_Unbiased	0.759	0.760	0.000
30	C11_Unbiased	0.760	0.760	0.000
30	C12_Unbiased	0.759	0.759	0.000
0	106_Corr	0.772	0.772	0.000
0	15B_Corr	0.767	0.767	0.000
50	A92_Biased	0.760	0.771	-0.011
50	A93_Biased	0.760	0.770	-0.010
50	B12_Biased	0.757	0.771	-0.014
50	B13_Biased	0.759	0.773	-0.014
50	C14_Biased	0.759	0.772	-0.014
50	A95_Unbiased	0.756	0.770	-0.014
50	A96_Unbiased	0.759	0.773	-0.014
50	B15_Unbiased	0.760	0.771	-0.012
50	B16_Unbiased	0.757	0.772	-0.015
50	C15_Unbiased	0.760	0.776	-0.016
0	106_Corr	0.771	0.771	0.000
100	A97_Biased	0.758	0.759	-0.001
100	A99_Biased	0.759	0.760	-0.001
100	A100_Biased	0.756	0.758	-0.002
100	A101_Biased	0.759	0.760	-0.001
100	A102_Biased	0.760	0.761	-0.002
100	A104_Biased	0.759	0.762	-0.002
100	A105_Biased	0.757	0.758	-0.002
100	B17_Biased	0.759	0.761	-0.002
100	B18_Biased	0.754	0.756	-0.002
100	B19_Biased	0.757	0.758	-0.002
100	B20_Biased	0.759	0.760	-0.001
100	B21_Biased	0.759	0.761	-0.002
100	B24_Biased	0.757	0.758	-0.001
100	B25_Biased	0.758	0.758	0.000
100	B26_Biased	0.755	0.756	0.000
100	C16_Biased	0.760	0.761	-0.001
100	C17_Biased	0.759	0.760	-0.001
100	C18_Biased	0.760	0.762	-0.002
100	C19_Biased	0.758	0.761	-0.002
100	C25_Biased	0.758	0.759	-0.001
100	C26_Biased	0.759	0.761	-0.002
100	C31_Biased	0.761	0.762	-0.001
100	A107_Unbiased	0.760	0.761	-0.001
100	A108_Unbiased	0.760	0.761	-0.001
100	A109_Unbiased	0.760	0.761	-0.001
100	A110_Unbiased	0.760	0.761	-0.001
100	A111_Unbiased	0.759	0.760	-0.001
100	A112_Unbiased	0.760	0.762	-0.001
100	A113_Unbiased	0.760	0.762	-0.002
100	B27_Unbiased	0.757	0.757	0.000
100	B29_Unbiased	0.759	0.759	0.000
100	B30_Unbiased	0.758	0.758	0.000
100	B31_Unbiased	0.759	0.760	-0.001
100	B32_Unbiased	0.771	0.760	0.012
100	B33_Unbiased	0.757	0.758	-0.001
100	B34_Unbiased	0.770	0.758	0.012
100	B35_Unbiased	0.757	0.757	0.000
100	C32_Unbiased	0.758	0.759	-0.002
100	C33_Unbiased	0.759	0.760	-0.001
100	C34_Unbiased	0.758	0.759	-0.001
100	C35_Unbiased	0.757	0.758	-0.001
100	C36_Unbiased	0.761	0.762	-0.001
100	C37_Unbiased	0.758	0.759	-0.002
100	C38_Unbiased	0.759	0.760	-0.001
	Max	0.772	0.776	0.012
	Average	0.759	0.761	-0.002
	Min	0.754	0.755	-0.016
	Std Dev	0.003	0.005	0.005

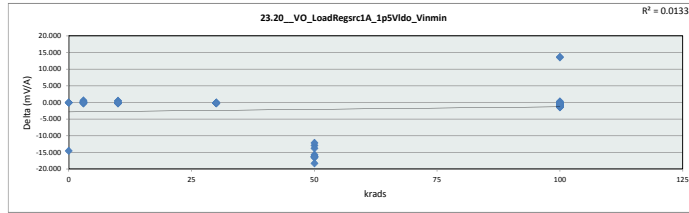


23.18_VO_srcload1A_1p5Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	0.8	V				
Min Limit	0.72	V				
Krads	0	3	10	30	50	100
LL	0.720	0.720	0.720	0.720	0.720	0.720
Min	0.759	0.755	0.756	0.758	0.770	0.756
Average	0.766	0.760	0.759	0.759	0.772	0.760
Max	0.772	0.763	0.761	0.761	0.776	0.762
UL	0.800	0.800	0.800	0.800	0.800	0.800

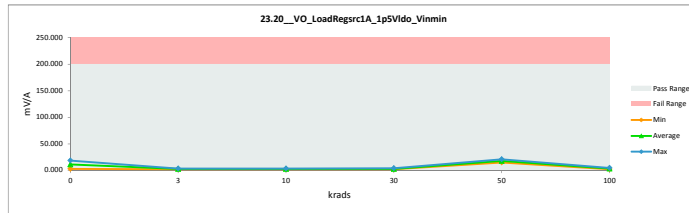


TID 100krad LDR Report
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23_20_VO_LoadRegrsc1A_1p5V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.809	3.809	0.000
3	A79_Biased	3.172	3.495	-0.323
3	A80_Biased	3.111	2.738	0.373
3	B1_Biased	3.069	3.209	-0.140
3	B2_Biased	2.181	2.074	0.107
3	C1_Biased	2.805	2.874	-0.069
3	A82_Unbiased	2.774	2.557	0.217
3	A83_Unbiased	3.365	2.685	0.680
3	B4_Unbiased	2.521	2.492	0.029
3	B5_Unbiased	3.229	3.258	-0.029
3	C2_Unbiased	3.067	3.219	-0.152
10	A85_Biased	2.675	2.251	0.424
10	A86_Biased	3.648	3.154	0.512
10	B6_Biased	3.151	3.132	0.019
10	C3_Biased	2.529	2.857	-0.328
10	C4_Biased	2.771	2.897	-0.126
10	A87_Unbiased	3.330	3.412	-0.082
10	A88_Unbiased	2.423	2.580	-0.157
10	B7_Unbiased	3.437	3.484	-0.047
10	C5_Unbiased	3.182	3.284	-0.102
10	C6_Unbiased	3.376	3.466	-0.090
0	106_Corr	2.764	2.764	0.000
30	A89_Biased	2.369	2.463	-0.094
30	B8_Biased	3.094	3.090	0.004
30	B9_Biased	3.073	3.126	-0.053
30	C7_Biased	3.576	3.799	-0.223
30	C9_Biased	2.429	2.645	-0.216
30	A90_Unbiased	2.739	2.811	-0.072
30	B10_Unbiased	3.584	3.727	-0.143
30	B11_Unbiased	2.612	2.776	-0.164
30	C11_Unbiased	3.683	3.909	-0.226
30	C12_Unbiased	2.820	3.021	-0.201
0	106_Corr	18.419	18.419	0.000
0	15B_Corr	14.587	14.587	0.000
50	A92_Biased	3.296	16.201	-12.905
50	A93_Biased	3.017	15.132	-12.122
50	B12_Biased	2.137	17.817	-15.680
50	B13_Biased	3.879	20.469	-16.590
50	C14_Biased	2.776	19.019	-16.243
50	A95_Unbiased	2.777	18.630	-16.253
50	A96_Unbiased	3.164	19.343	-16.179
50	B15_Unbiased	1.982	15.706	-13.724
50	B16_Unbiased	2.169	18.547	-16.378
50	C15_Unbiased	2.489	20.742	-18.253
0	106_Corr	2.764	17.335	-14.571
100	A97_Biased	2.899	3.657	-0.758
100	A99_Biased	2.056	2.963	-0.907
100	A100_Biased	2.982	3.992	-1.010
100	A101_Biased	2.817	3.367	-0.550
100	A102_Biased	2.641	3.777	-1.136
100	A104_Biased	2.737	4.249	-1.512
100	A105_Biased	2.097	3.249	-1.152
100	B17_Biased	2.786	3.807	-1.021
100	B18_Biased	1.475	2.347	-0.872
100	B19_Biased	2.760	3.532	-0.772
100	B20_Biased	2.496	3.232	-0.736
100	B21_Biased	2.111	3.372	-1.261
100	B24_Biased	2.771	3.402	-0.631
100	B25_Biased	2.423	2.720	-0.297
100	B26_Biased	2.585	2.492	0.093
100	C16_Biased	2.482	3.548	-1.066
100	C17_Biased	2.992	3.659	-0.667
100	C18_Biased	2.974	4.035	-1.064
100	C19_Biased	3.074	4.473	-1.399
100	C25_Biased	2.632	2.848	-0.216
100	C26_Biased	2.378	3.573	-1.195
100	C31_Biased	3.599	4.010	-0.411
100	A107_Unbiased	4.526	4.546	-0.020
100	A108_Unbiased	3.557	3.989	-0.432
100	A109_Unbiased	2.790	2.712	0.078
100	A110_Unbiased	2.087	2.972	-0.885
100	A111_Unbiased	2.862	3.093	-0.231
100	A112_Unbiased	2.516	3.166	-0.650
100	A113_Unbiased	3.209	4.406	-1.197
100	B27_Unbiased	2.628	2.275	0.353
100	B29_Unbiased	2.659	2.902	-0.243
100	B30_Unbiased	2.496	2.499	-0.003
100	B31_Unbiased	2.825	3.094	-0.269
100	B32_Unbiased	16.773	3.231	13.542
100	B33_Unbiased	3.209	3.388	-0.179
100	B34_Unbiased	16.405	2.882	13.723
100	B35_Unbiased	2.475	2.613	-0.138
100	C32_Unbiased	2.890	4.143	-1.253
100	C33_Unbiased	3.151	3.303	-0.152
100	C34_Unbiased	2.477	2.999	-0.522
100	C35_Unbiased	2.418	3.160	-0.742
100	C36_Unbiased	3.900	4.452	-0.552
100	C37_Unbiased	3.534	4.516	-0.982
100	C38_Unbiased	2.857	3.248	-0.391
	Max	18.419	20.742	13.723
	Average	3.466	3.391	-1.915
	Min	1.475	2.074	-18.253
	Std Dev	2.918	5.261	5.539

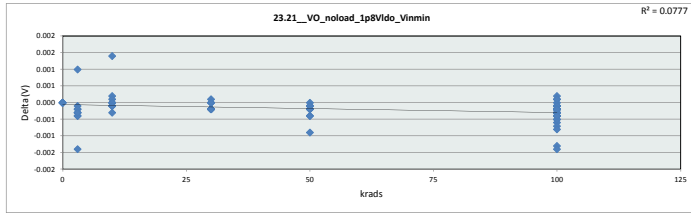


23_20_VO_LoadRegrsc1A_1p5V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.764	2.074	2.251	2.463	15.139	2.275
Average	11.383	2.860	3.052	3.137	18.161	3.407
Max	18.419	3.495	3.484	3.909	20.742	4.546
UL	200.000	200.000	200.000	200.000	200.000	200.000

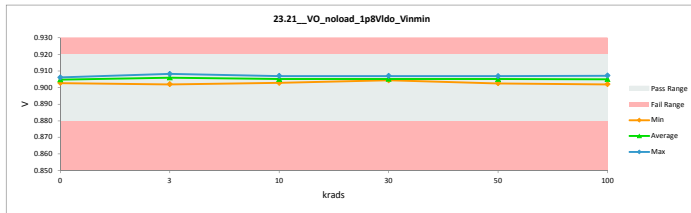


TID 100krad LDR Report
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23.21_VO_noload_1p8VIdo_Vin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.92	0.92		
Min Limit	0.88	0.88		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.906	0.906	0.000
3	A79_Biased	0.908	0.908	0.000
3	A80_Biased	0.906	0.906	0.000
3	B1_Biased	0.906	0.906	0.000
3	B2_Biased	0.903	0.902	0.001
3	C1_Biased	0.905	0.906	-0.001
3	A82_Unbiased	0.906	0.906	0.000
3	A83_Unbiased	0.907	0.907	0.000
3	B4_Unbiased	0.905	0.905	0.000
3	B5_Unbiased	0.905	0.905	0.000
3	C2_Unbiased	0.906	0.907	0.000
10	A85_Biased	0.903	0.903	0.000
10	A86_Biased	0.905	0.905	0.000
10	B6_Biased	0.907	0.907	0.000
10	C3_Biased	0.905	0.905	0.000
10	C4_Biased	0.906	0.906	0.000
10	A87_Unbiased	0.904	0.904	0.000
10	A88_Unbiased	0.907	0.907	0.000
10	B7_Unbiased	0.906	0.905	0.001
10	C5_Unbiased	0.906	0.906	0.000
10	C6_Unbiased	0.903	0.904	0.000
0	106_Corr	0.905	0.905	0.000
30	A89_Biased	0.904	0.904	0.000
30	B8_Biased	0.907	0.907	0.000
30	B9_Biased	0.904	0.904	0.000
30	C7_Biased	0.905	0.905	0.000
30	C9_Biased	0.904	0.904	0.000
30	A90_Unbiased	0.906	0.906	0.000
30	B10_Unbiased	0.904	0.904	0.000
30	B11_Unbiased	0.905	0.906	0.000
30	C11_Unbiased	0.906	0.906	0.000
30	C12_Unbiased	0.905	0.905	0.000
0	106_Corr	0.905	0.905	0.000
0	15B_Corr	0.903	0.903	0.000
50	A92_Biased	0.906	0.907	0.000
50	A93_Biased	0.906	0.906	0.000
50	B12_Biased	0.903	0.904	0.000
50	B13_Biased	0.905	0.905	0.000
50	C14_Biased	0.905	0.905	0.000
50	A95_Unbiased	0.902	0.902	0.000
50	A96_Unbiased	0.905	0.906	0.000
50	B15_Unbiased	0.906	0.906	0.000
50	B16_Unbiased	0.904	0.904	0.000
50	C15_Unbiased	0.906	0.907	-0.001
0	106_Corr	0.905	0.905	0.000
100	A97_Biased	0.905	0.905	0.000
100	A99_Biased	0.905	0.905	0.000
100	A100_Biased	0.902	0.903	0.000
100	A101_Biased	0.905	0.906	-0.001
100	A102_Biased	0.906	0.906	0.000
100	A104_Biased	0.905	0.906	0.000
100	A105_Biased	0.903	0.903	0.000
100	B17_Biased	0.905	0.905	0.000
100	B18_Biased	0.902	0.902	0.000
100	B19_Biased	0.903	0.904	0.000
100	B20_Biased	0.905	0.907	-0.001
100	B21_Biased	0.905	0.905	0.000
100	B24_Biased	0.903	0.903	0.000
100	B25_Biased	0.904	0.904	0.000
100	B26_Biased	0.902	0.902	0.000
100	C16_Biased	0.906	0.906	-0.001
100	C17_Biased	0.905	0.905	0.000
100	C18_Biased	0.906	0.907	-0.001
100	C19_Biased	0.905	0.905	0.000
100	C25_Biased	0.905	0.905	0.000
100	C26_Biased	0.905	0.905	0.000
100	C31_Biased	0.907	0.907	0.000
100	A107_Unbiased	0.905	0.906	0.000
100	A108_Unbiased	0.905	0.906	-0.001
100	A109_Unbiased	0.906	0.907	-0.001
100	A110_Unbiased	0.906	0.906	0.000
100	A111_Unbiased	0.905	0.905	0.000
100	A112_Unbiased	0.906	0.906	0.000
100	A113_Unbiased	0.906	0.906	0.000
100	B27_Unbiased	0.903	0.904	-0.001
100	B29_Unbiased	0.905	0.905	0.000
100	B30_Unbiased	0.904	0.904	0.000
100	B31_Unbiased	0.905	0.905	0.000
100	B32_Unbiased	0.905	0.905	0.000
100	B33_Unbiased	0.904	0.904	0.000
100	B34_Unbiased	0.904	0.904	0.000
100	B35_Unbiased	0.903	0.903	0.000
100	C32_Unbiased	0.904	0.904	0.000
100	C33_Unbiased	0.905	0.905	0.000
100	C34_Unbiased	0.905	0.905	0.000
100	C35_Unbiased	0.904	0.904	0.000
100	C36_Unbiased	0.906	0.906	0.000
100	C37_Unbiased	0.904	0.904	0.000
100	C38_Unbiased	0.905	0.905	0.000
	Max	0.908	0.908	0.001
	Average	0.905	0.905	0.000
	Min	0.902	0.902	-0.001
	Std Dev	0.001	0.001	0.000

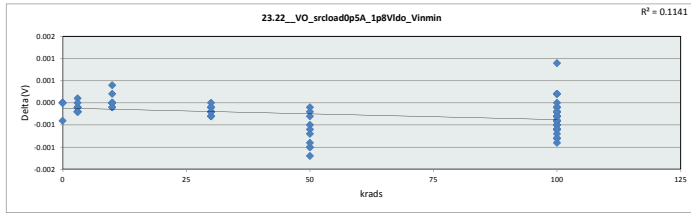


23.21_VO_noload_1p8VIdo_V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.92	V				
Min Limit	0.88	V				
krads	LL	Min	Average	Max	UL	Pass
0	0.880	0.903	0.905	0.906	0.920	0.880
3	0.880	0.902	0.905	0.906	0.920	0.880
10	0.880	0.903	0.905	0.907	0.920	0.880
30	0.880	0.904	0.905	0.907	0.920	0.880
50	0.880	0.903	0.905	0.907	0.920	0.880
100	0.880	0.902	0.905	0.907	0.920	0.880

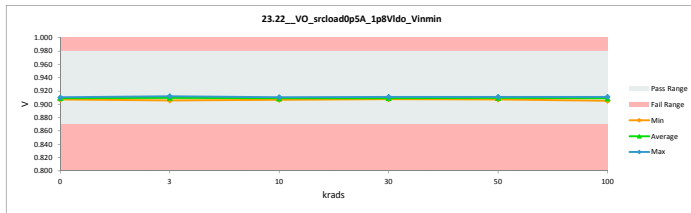


TID 100krad LDR Report
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23.22_VO_srcloadOp5A_1p8VId				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	0.98	0.98		
Min Limit	0.87	0.87		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.910	0.910	0.000
3	A79_Biased	0.912	0.912	0.000
3	A80_Biased	0.910	0.910	0.000
3	B1_Biased	0.910	0.910	0.000
3	B2_Biased	0.906	0.906	0.000
3	C1_Biased	0.909	0.909	0.000
3	A82_Unbiased	0.910	0.910	0.000
3	A83_Unbiased	0.911	0.911	0.000
3	B4_Unbiased	0.909	0.909	0.000
3	B5_Unbiased	0.909	0.909	0.000
3	C2_Unbiased	0.910	0.910	0.000
10	A85_Biased	0.907	0.907	0.000
10	A86_Biased	0.909	0.909	0.000
10	B6_Biased	0.911	0.911	0.000
10	C3_Biased	0.909	0.909	0.000
10	C4_Biased	0.910	0.910	0.000
10	A87_Unbiased	0.907	0.907	0.000
10	A88_Unbiased	0.911	0.911	0.000
10	B7_Unbiased	0.909	0.909	0.000
10	C5_Unbiased	0.910	0.910	0.000
10	C6_Unbiased	0.907	0.907	0.000
0	106_Corr	0.909	0.909	0.000
30	A89_Biased	0.908	0.908	0.000
30	B8_Biased	0.911	0.911	0.000
30	B9_Biased	0.908	0.908	0.000
30	C7_Biased	0.908	0.909	0.000
30	C9_Biased	0.908	0.909	0.000
30	A90_Unbiased	0.910	0.910	0.000
30	B10_Unbiased	0.908	0.908	0.000
30	B11_Unbiased	0.910	0.910	0.000
30	C11_Unbiased	0.909	0.909	0.000
30	C12_Unbiased	0.909	0.909	0.000
0	106_Corr	0.909	0.909	0.000
0	15B_Corr	0.907	0.907	0.000
50	A92_Biased	0.910	0.910	0.000
50	A93_Biased	0.910	0.910	0.000
50	B12_Biased	0.908	0.909	-0.001
50	B13_Biased	0.908	0.909	-0.001
50	C14_Biased	0.909	0.909	-0.001
50	A95_Unbiased	0.907	0.907	-0.001
50	A96_Unbiased	0.909	0.910	-0.001
50	B15_Unbiased	0.911	0.911	0.000
50	B16_Unbiased	0.908	0.909	-0.001
50	C15_Unbiased	0.910	0.911	-0.001
0	106_Corr	0.909	0.909	0.000
100	A97_Biased	0.908	0.909	0.000
100	A99_Biased	0.910	0.910	0.000
100	A100_Biased	0.906	0.906	-0.001
100	A101_Biased	0.909	0.910	0.000
100	A102_Biased	0.910	0.911	-0.001
100	A104_Biased	0.909	0.910	-0.001
100	A105_Biased	0.907	0.908	0.000
100	B17_Biased	0.909	0.910	0.000
100	B18_Biased	0.905	0.906	-0.001
100	B19_Biased	0.907	0.907	0.000
100	B20_Biased	0.909	0.909	0.000
100	B21_Biased	0.910	0.910	-0.001
100	B24_Biased	0.907	0.908	-0.001
100	B25_Biased	0.908	0.908	0.000
100	B26_Biased	0.905	0.905	0.000
100	C16_Biased	0.910	0.911	0.000
100	C17_Biased	0.909	0.910	0.000
100	C18_Biased	0.910	0.911	-0.001
100	C19_Biased	0.908	0.909	-0.001
100	C25_Biased	0.908	0.909	0.000
100	C26_Biased	0.910	0.910	0.000
100	C31_Biased	0.911	0.911	0.000
100	A107_Unbiased	0.909	0.909	0.000
100	A108_Unbiased	0.910	0.910	0.000
100	A109_Unbiased	0.910	0.910	0.000
100	A110_Unbiased	0.910	0.910	0.000
100	A111_Unbiased	0.909	0.910	0.000
100	A112_Unbiased	0.910	0.911	-0.001
100	A113_Unbiased	0.910	0.910	0.000
100	B27_Unbiased	0.907	0.907	0.000
100	B29_Unbiased	0.909	0.910	0.000
100	B30_Unbiased	0.908	0.908	0.000
100	B31_Unbiased	0.909	0.909	-0.001
100	B32_Unbiased	0.910	0.909	0.000
100	B33_Unbiased	0.907	0.908	-0.001
100	B34_Unbiased	0.909	0.909	0.000
100	B35_Unbiased	0.907	0.907	0.000
100	C32_Unbiased	0.908	0.908	-0.001
100	C33_Unbiased	0.909	0.909	-0.001
100	C34_Unbiased	0.909	0.909	0.000
100	C35_Unbiased	0.908	0.908	0.000
100	C36_Unbiased	0.910	0.910	0.000
100	C37_Unbiased	0.907	0.908	-0.001
100	C38_Unbiased	0.909	0.909	0.000
	Max	0.912	0.912	0.001
	Average	0.909	0.909	0.000
	Min	0.905	0.905	-0.001
	Std Dev	0.001	0.001	0.000

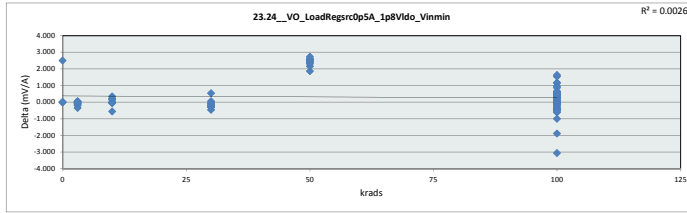


23.22_VO_srcloadOp5A_1p8V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.98					
Min Limit	0.87					
krads	0	3	10	30	50	100
LL	0.870	0.870	0.870	0.870	0.870	0.870
Min	0.907	0.906	0.907	0.908	0.907	0.906
Average	0.909	0.910	0.909	0.909	0.909	0.909
Max	0.910	0.912	0.911	0.911	0.911	0.911
UL	0.980	0.980	0.980	0.980	0.980	0.980

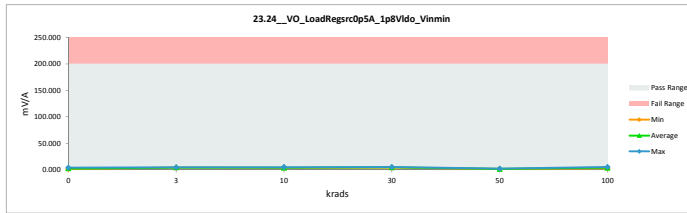


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23.24_VO_LoadRegrscOp5A_1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.446	3.446	0.000
3	A79_Biased	4.849	4.949	-0.100
3	A80_Unbiased	4.376	4.536	-0.160
3	B1_Biased	5.033	5.030	0.003
3	B2_Biased	4.179	4.265	-0.086
3	C1_Biased	4.481	4.455	0.026
3	A82_Unbiased	4.290	4.490	-0.200
3	A83_Unbiased	4.143	4.498	-0.355
3	B4_Unbiased	4.443	4.384	0.059
3	B5_Unbiased	4.719	4.779	-0.060
3	C2_Unbiased	4.435	4.437	-0.002
10	A85_Biased	4.252	4.822	-0.570
10	A86_Biased	3.932	3.971	-0.039
10	B6_Biased	4.482	4.321	0.161
10	C3_Biased	4.507	4.160	0.347
10	C4_Biased	4.627	4.472	0.155
10	A87_Unbiased	4.401	4.452	-0.051
10	A88_Unbiased	4.030	4.010	0.020
10	B7_Unbiased	5.257	5.037	0.220
10	C5_Unbiased	4.342	4.393	-0.051
10	C6_Unbiased	4.252	4.293	-0.041
0	106_Corr	4.352	0.000	0.000
30	A89_Biased	4.476	4.742	-0.266
30	B8_Biased	4.574	4.786	-0.212
30	B9_Biased	4.041	4.107	-0.066
30	C7_Biased	4.484	4.642	-0.158
30	C9_Biased	4.818	4.886	-0.468
30	A90_Unbiased	4.674	4.924	-0.250
30	B10_Unbiased	4.626	4.086	0.540
30	B11_Unbiased	4.576	4.898	-0.322
30	C11_Unbiased	5.363	0.052	0.052
30	C12_Unbiased	4.550	4.632	-0.082
0	106_Corr	1.884	1.884	0.000
0	15B_Corr	2.001	2.001	0.000
50	A92_Biased	4.491	1.975	2.516
50	A93_Biased	3.988	2.133	1.855
50	B12_Biased	4.007	1.706	2.301
50	B13_Biased	3.872	1.728	2.144
50	C14_Biased	4.542	1.934	2.608
50	A95_Unbiased	4.651	2.069	2.582
50	A96_Unbiased	4.231	1.794	2.437
50	B15_Unbiased	4.604	2.244	2.360
50	B16_Unbiased	4.498	1.970	2.528
50	C15_Unbiased	4.615	1.890	2.725
0	106_Corr	4.352	1.853	2.499
100	A97_Biased	4.359	4.444	-0.085
100	A99_Biased	4.275	4.209	0.066
100	A100_Biased	3.748	3.424	0.324
100	A101_Biased	4.201	4.030	0.171
100	A102_Biased	4.394	5.398	-1.004
100	A104_Biased	4.298	3.141	1.157
100	A105_Biased	4.526	3.883	0.643
100	B17_Biased	4.405	3.980	0.425
100	B18_Biased	3.569	3.627	-0.058
100	B19_Biased	4.878	3.725	1.153
100	B20_Biased	3.808	3.752	0.056
100	B21_Biased	4.241	4.447	-0.206
100	B24_Biased	4.190	4.541	-0.351
100	B25_Biased	4.159	4.781	-0.622
100	B26_Biased	3.654	3.891	-0.237
100	C16_Biased	4.665	4.667	-0.002
100	C17_Biased	5.028	4.072	0.956
100	C18_Biased	4.551	4.447	0.104
100	C19_Biased	4.466	3.978	0.488
100	C25_Biased	4.125	4.209	-0.084
100	C26_Biased	4.817	3.281	1.536
100	C31_Biased	5.175	4.883	0.292
100	A107_Unbiased	4.512	3.984	0.528
100	A108_Unbiased	4.570	4.177	0.393
100	A109_Unbiased	3.862	4.342	-0.480
100	A110_Unbiased	4.751	4.155	0.596
100	A111_Unbiased	4.480	3.628	0.852
100	A112_Unbiased	4.155	4.518	-0.363
100	A113_Unbiased	4.545	3.921	0.624
100	B27_Unbiased	3.919	4.033	-0.114
100	B29_Unbiased	4.235	4.691	-0.456
100	B30_Unbiased	4.203	4.282	-0.079
100	B31_Unbiased	4.274	4.623	-0.349
100	B32_Unbiased	1.793	4.863	-3.070
100	B33_Unbiased	4.430	4.858	-0.428
100	B34_Unbiased	2.269	4.166	-1.897
100	B35_Unbiased	4.259	4.190	0.069
100	C32_Unbiased	4.390	4.151	0.239
100	C33_Unbiased	4.258	4.807	-0.549
100	C34_Unbiased	4.541	4.294	0.247
100	C35_Unbiased	4.438	4.199	0.239
100	C36_Unbiased	5.316	3.680	1.636
100	C37_Unbiased	4.438	4.062	0.376
100	C38_Unbiased	4.576	4.133	0.443
	Max	5.363	5.398	2.725
	Average	4.392	3.981	0.311
	Min	1.793	1.706	-3.070
	Std Dev	0.613	0.950	0.987



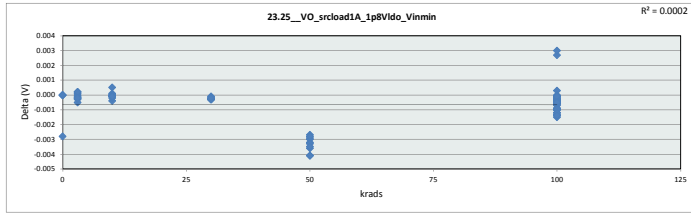
23.24_VO_LoadRegrscOp5A_1p						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.853	4.265	3.971	4.086	1.706	3.141
Average	2.707	4.582	4.393	4.701	1.944	4.195
Max	4.352	5.030	5.037	5.311	2.244	5.398
UL	200.000	200.000	200.000	200.000	200.000	200.000



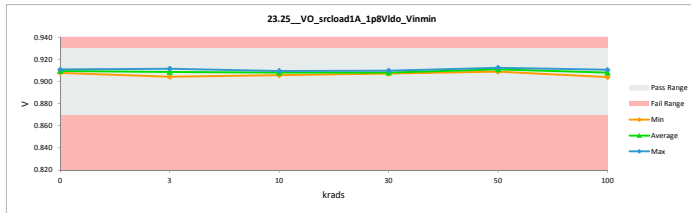
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23.25_VO_srcload1A_1p8Vldo		
Test Site	Dallas, Tx	Dallas, Tx
Tester	ETS	ETS
Test Number	EF636800	EF636800
Unit	V	V
Max Limit	0.93	
Min Limit	0.87	0.87

Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.910	0.910	0.000
3	A79_Biased	0.911	0.911	0.000
3	A80_Biased	0.909	0.909	0.000
3	B1_Biased	0.909	0.909	0.000
3	B2_Biased	0.904	0.904	0.000
3	C1_Biased	0.908	0.908	0.000
3	A82_Unbiased	0.909	0.909	0.000
3	A85_Unbiased	0.910	0.910	0.000
3	B4_Unbiased	0.908	0.908	0.000
3	B5_Unbiased	0.908	0.908	0.000
3	C2_Unbiased	0.909	0.910	0.000
10	A85_Biased	0.906	0.906	0.000
10	A86_Biased	0.909	0.908	0.000
10	B6_Biased	0.910	0.910	0.000
10	C3_Biased	0.908	0.908	0.000
10	C4_Biased	0.909	0.909	0.000
10	A87_Unbiased	0.907	0.907	0.000
10	A88_Unbiased	0.909	0.910	0.000
10	B7_Unbiased	0.908	0.908	0.000
10	C5_Unbiased	0.909	0.909	0.000
10	C6_Unbiased	0.906	0.906	0.000
0	106_Corr	0.908	0.908	0.000
30	A89_Biased	0.907	0.907	0.000
30	B8_Biased	0.910	0.910	0.000
30	B9_Biased	0.907	0.907	0.000
30	C7_Biased	0.908	0.908	0.000
30	C9_Biased	0.907	0.907	0.000
30	A90_Unbiased	0.909	0.909	0.000
30	B10_Unbiased	0.907	0.907	0.000
30	B11_Unbiased	0.908	0.909	0.000
30	C11_Unbiased	0.908	0.909	0.000
30	C12_Unbiased	0.908	0.908	0.000
0	106_Corr	0.911	0.911	0.000
0	15B_Corr	0.908	0.908	0.000
50	A92_Biased	0.909	0.912	-0.003
50	A93_Biased	0.909	0.911	-0.004
50	B12_Biased	0.906	0.909	-0.003
50	B13_Biased	0.907	0.911	-0.004
50	C14_Biased	0.908	0.911	-0.003
50	A95_Unbiased	0.905	0.909	-0.004
50	A96_Unbiased	0.908	0.912	-0.003
50	B15_Unbiased	0.908	0.911	-0.003
50	B16_Unbiased	0.906	0.910	-0.004
50	C15_Unbiased	0.909	0.913	-0.004
0	106_Corr	0.908	0.908	0.000
100	A97_Biased	0.907	0.908	-0.001
100	A99_Biased	0.908	0.909	-0.001
100	A100_Biased	0.905	0.905	-0.001
100	A101_Biased	0.909	0.909	0.000
100	A102_Biased	0.909	0.910	-0.001
100	A104_Biased	0.908	0.910	-0.001
100	A105_Biased	0.906	0.906	-0.001
100	B17_Biased	0.908	0.909	0.000
100	B18_Biased	0.903	0.904	-0.001
100	B19_Biased	0.906	0.907	-0.001
100	B20_Biased	0.908	0.909	0.000
100	B21_Biased	0.908	0.908	0.000
100	B24_Biased	0.906	0.906	0.000
100	B25_Biased	0.907	0.907	0.000
100	B26_Biased	0.904	0.904	0.000
100	C16_Biased	0.909	0.910	-0.001
100	C17_Biased	0.908	0.909	-0.001
100	C18_Biased	0.909	0.910	-0.001
100	C19_Biased	0.908	0.909	-0.001
100	C25_Biased	0.907	0.908	0.000
100	C26_Biased	0.908	0.910	-0.001
100	C31_Biased	0.910	0.910	-0.001
100	A107_Unbiased	0.909	0.909	-0.001
100	A108_Unbiased	0.909	0.909	0.000
100	A109_Unbiased	0.909	0.909	0.000
100	A110_Unbiased	0.909	0.909	-0.001
100	A111_Unbiased	0.908	0.908	0.000
100	A112_Unbiased	0.909	0.910	-0.001
100	A113_Unbiased	0.909	0.910	0.000
100	B27_Unbiased	0.905	0.906	0.000
100	B29_Unbiased	0.908	0.908	0.000
100	B30_Unbiased	0.907	0.907	0.000
100	B31_Unbiased	0.908	0.908	-0.001
100	B32_Unbiased	0.911	0.909	0.003
100	B33_Unbiased	0.907	0.907	0.000
100	B34_Unbiased	0.910	0.907	0.003
100	B35_Unbiased	0.906	0.906	0.000
100	C32_Unbiased	0.906	0.908	-0.001
100	C33_Unbiased	0.908	0.909	0.000
100	C34_Unbiased	0.907	0.908	0.000
100	C35_Unbiased	0.906	0.906	0.000
100	C36_Unbiased	0.910	0.910	0.000
100	C37_Unbiased	0.906	0.908	-0.001
100	C38_Unbiased	0.908	0.908	0.000
	Max	0.911	0.913	0.003
	Average	0.908	0.909	-0.001
	Min	0.903	0.904	-0.004
	Std Dev	0.002	0.002	0.001

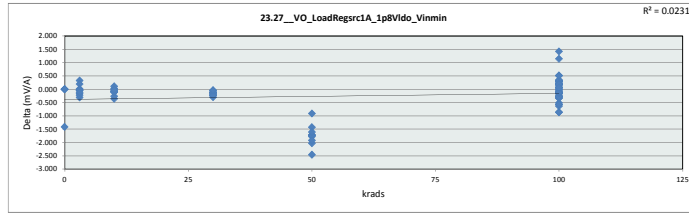


23.25_VO_srcload1A_1p8Vldo_Vinmin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	0.93 V					
Min Limit	0.87 V					
Krads	0	3	10	30	50	100
LL	0.870	0.870	0.870	0.870	0.870	0.870
Min	0.908	0.904	0.906	0.907	0.909	0.904
Average	0.909	0.909	0.908	0.908	0.911	0.908
Max	0.911	0.912	0.910	0.910	0.913	0.911
UL	0.930	0.930	0.930	0.930	0.930	0.930

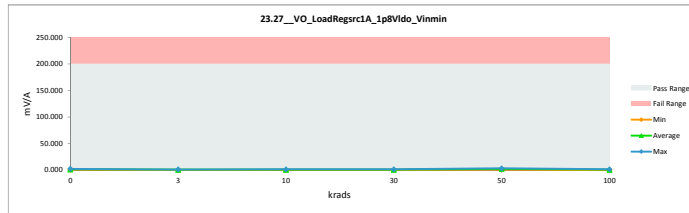


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23.27_VO_LoadResrc1A_1p8V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.147	1.147	0.000
3	A79_Biased	1.258	1.566	-0.308
3	A80_Biased	0.957	1.129	-0.172
3	B1_Biased	1.329	1.372	-0.043
3	B2_Biased	0.047	0.280	-0.233
3	C1_Biased	1.108	0.782	0.326
3	A82_Unbiased	0.853	0.882	-0.029
3	A83_Unbiased	1.072	0.879	0.193
3	B4_Unbiased	0.838	0.828	0.010
3	B5_Unbiased	1.451	1.490	-0.039
3	C2_Unbiased	1.263	1.377	-0.114
10	A85_Biased	0.587	0.947	-0.360
10	A86_Biased	1.336	1.308	0.028
10	B6_Biased	1.017	0.913	0.104
10	C3_Biased	0.837	1.106	-0.269
10	C4_Biased	0.922	1.026	-0.104
10	A87_Unbiased	1.525	1.603	-0.078
10	A88_Unbiased	0.562	0.673	-0.111
10	B7_Unbiased	1.674	1.772	-0.098
10	C5_Unbiased	1.422	1.453	-0.031
10	C6_Unbiased	1.646	1.667	-0.021
0	106_Corr	0.994	0.994	0.000
30	A89_Biased	0.776	0.902	-0.126
30	B8_Biased	1.063	1.215	-0.152
30	B9_Biased	1.132	1.338	-0.206
30	C7_Biased	1.719	1.826	-0.107
30	C9_Biased	0.815	1.041	-0.226
30	A90_Unbiased	1.019	1.075	-0.056
30	B10_Unbiased	1.607	1.736	-0.129
30	B11_Unbiased	0.839	1.133	-0.294
30	C11_Unbiased	1.610	1.848	-0.238
30	C12_Unbiased	1.245	1.276	-0.031
0	106_Corr	2.611	2.611	0.000
0	15B_Corr	1.913	1.913	0.000
50	A92_Biased	1.514	3.226	-1.712
50	A93_Biased	0.959	2.691	-1.732
50	B12_Biased	0.630	1.548	-0.918
50	B13_Biased	0.964	3.423	-2.459
50	C14_Biased	1.311	3.090	-1.779
50	A95_Unbiased	0.634	2.666	-2.032
50	A96_Unbiased	1.374	3.107	-1.733
50	B15_Unbiased	0.187	1.616	-1.429
50	B16_Unbiased	0.535	2.456	-1.921
50	C15_Unbiased	0.864	2.471	-1.607
0	106_Corr	0.994	2.409	-1.415
100	A97_Biased	0.992	1.222	-0.230
100	A99_Biased	0.394	0.528	-0.134
100	A100_Biased	0.777	0.612	0.165
100	A101_Biased	1.046	0.732	0.314
100	A102_Biased	0.820	1.688	-0.868
100	A104_Biased	1.023	1.539	-0.516
100	A105_Biased	0.597	0.363	0.234
100	B17_Biased	1.015	0.820	0.195
100	B18_Biased	0.554	0.234	0.320
100	B19_Biased	1.287	0.998	0.289
100	B20_Biased	0.683	0.850	-0.167
100	B21_Biased	0.448	0.438	0.010
100	B24_Biased	1.260	1.143	0.117
100	B25_Biased	0.700	1.034	-0.334
100	B26_Biased	0.327	0.488	-0.161
100	C16_Biased	0.815	1.089	-0.274
100	C17_Biased	0.809	1.113	-0.304
100	C18_Biased	1.130	1.225	-0.095
100	C19_Biased	1.553	1.680	-0.127
100	C25_Biased	0.988	0.706	0.282
100	C26_Biased	0.758	1.092	-0.334
100	C31_Biased	0.781	1.641	-0.860
100	A107_Unbiased	1.641	1.584	0.057
100	A108_Unbiased	1.260	1.194	0.066
100	A109_Unbiased	0.631	0.345	0.286
100	A110_Unbiased	0.602	0.740	-0.138
100	A111_Unbiased	0.997	0.551	0.346
100	A112_Unbiased	0.290	0.871	-0.581
100	A113_Unbiased	1.348	1.184	0.164
100	B27_Unbiased	0.526	0.803	-0.277
100	B29_Unbiased	0.924	0.950	-0.026
100	B30_Unbiased	0.534	0.637	-0.103
100	B31_Unbiased	1.154	1.193	-0.039
100	B32_Unbiased	2.649	1.510	1.139
100	B33_Unbiased	1.484	1.624	-0.140
100	B34_Unbiased	2.386	0.973	1.413
100	B35_Unbiased	0.452	0.568	-0.116
100	C32_Unbiased	0.824	1.458	-0.634
100	C33_Unbiased	1.672	1.470	0.202
100	C34_Unbiased	0.978	0.802	0.176
100	C35_Unbiased	1.048	0.531	0.517
100	C36_Unbiased	2.015	1.510	0.505
100	C37_Unbiased	1.278	1.857	-0.579
100	C38_Unbiased	0.996	0.933	0.063
	Max	2.649	3.423	1.413
	Average	1.062	1.307	-0.245
	Min	0.047	0.234	-2.459
	Std Dev	0.483	0.679	0.650



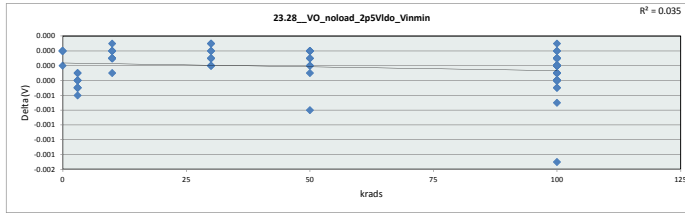
23.27_VO_LoadResrc1A_1p8V					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	200	mV/A			
Min Limit	0	mV/A			
krads	0	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000
Min	0.994	0.280	0.673	0.902	1.548
Average	1.815	1.059	1.247	1.339	2.629
Max	2.611	1.566	1.772	1.848	3.423
UL	200.000	200.000	200.000	200.000	200.000



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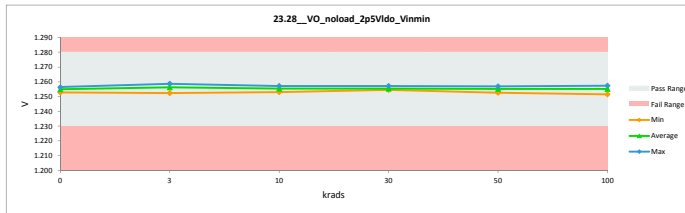
23.28_VO_noload_2p5VIdo_Vin			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	V	V	
Max Limit	1.28	1.28	
Min Limit	1.23	1.23	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.256	1.256	0.000
3	A79_Biased	1.258	1.259	0.000
3	A80_Biased	1.256	1.257	-0.001
3	B1_Biased	1.257	1.257	0.000
3	B2_Biased	1.252	1.252	0.000
3	C1_Biased	1.255	1.255	0.000
3	A82_Unbiased	1.256	1.257	-0.001
3	A83_Unbiased	1.257	1.258	0.000
3	B4_Unbiased	1.255	1.255	0.000
3	B5_Unbiased	1.255	1.256	0.000
3	C2_Unbiased	1.257	1.257	0.000
10	A85_Biased	1.253	1.253	0.000
10	A86_Biased	1.255	1.255	0.000
10	B6_Biased	1.257	1.257	0.000
10	C3_Biased	1.255	1.255	0.000
10	C4_Biased	1.257	1.257	0.000
10	A87_Unbiased	1.254	1.254	0.000
10	A88_Unbiased	1.257	1.257	0.000
10	B7_Unbiased	1.255	1.255	0.000
10	C5_Unbiased	1.257	1.257	0.000
10	C6_Unbiased	1.254	1.254	0.000
0	106_Corr	1.255	1.255	0.000
30	A89_Biased	1.255	1.255	0.000
30	B8_Biased	1.257	1.257	0.000
30	B9_Biased	1.254	1.255	0.000
30	C7_Biased	1.255	1.255	0.000
30	C9_Biased	1.255	1.255	0.000
30	A90_Unbiased	1.256	1.256	0.000
30	B10_Unbiased	1.255	1.255	0.000
30	B11_Unbiased	1.256	1.256	0.000
30	C11_Unbiased	1.255	1.255	0.000
30	C12_Unbiased	1.255	1.255	0.000
0	106_Corr	1.255	1.255	0.000
0	15B_Corr	1.253	1.253	0.000
50	A92_Biased	1.257	1.257	0.000
50	A93_Biased	1.256	1.256	0.000
50	B12_Biased	1.254	1.254	0.000
50	B13_Biased	1.255	1.255	0.000
50	C14_Biased	1.255	1.255	0.000
50	A95_Unbiased	1.253	1.253	0.000
50	A96_Unbiased	1.256	1.256	0.000
50	B15_Unbiased	1.256	1.256	0.000
50	B16_Unbiased	1.254	1.254	0.000
50	C15_Unbiased	1.256	1.257	-0.001
0	106_Corr	1.255	1.255	0.000
100	A97_Biased	1.255	1.255	0.000
100	A99_Biased	1.255	1.256	0.000
100	A100_Biased	1.252	1.253	0.000
100	A101_Biased	1.256	1.256	0.000
100	A102_Biased	1.256	1.257	0.000
100	A104_Biased	1.256	1.256	0.000
100	A105_Biased	1.253	1.254	0.000
100	B17_Biased	1.255	1.256	0.000
100	B18_Biased	1.251	1.252	0.000
100	B19_Biased	1.254	1.254	0.000
100	B20_Biased	1.256	1.256	0.000
100	B21_Biased	1.255	1.256	0.000
100	B24_Biased	1.253	1.254	0.000
100	B25_Biased	1.254	1.254	0.000
100	B26_Biased	1.252	1.253	0.000
100	C16_Biased	1.256	1.257	0.000
100	C17_Biased	1.255	1.255	0.000
100	C18_Biased	1.256	1.257	-0.001
100	C19_Biased	1.255	1.255	0.000
100	C25_Biased	1.255	1.255	0.000
100	C26_Biased	1.255	1.256	0.000
100	C31_Biased	1.257	1.257	0.000
100	A107_Unbiased	1.256	1.256	0.000
100	A108_Unbiased	1.255	1.256	0.000
100	A109_Unbiased	1.256	1.257	0.000
100	A110_Unbiased	1.256	1.256	0.000
100	A111_Unbiased	1.255	1.255	0.000
100	A112_Unbiased	1.256	1.257	0.000
100	A113_Unbiased	1.257	1.257	0.000
100	B27_Unbiased	1.253	1.255	-0.002
100	B29_Unbiased	1.256	1.256	0.000
100	B30_Unbiased	1.254	1.254	0.000
100	B31_Unbiased	1.255	1.256	0.000
100	B32_Unbiased	1.256	1.256	0.000
100	B33_Unbiased	1.254	1.254	0.000
100	B34_Unbiased	1.254	1.254	0.000
100	B35_Unbiased	1.253	1.253	0.000
100	C32_Unbiased	1.254	1.254	0.000
100	C33_Unbiased	1.255	1.256	0.000
100	C34_Unbiased	1.255	1.255	0.000
100	C35_Unbiased	1.254	1.254	0.000
100	C36_Unbiased	1.256	1.257	0.000
100	C37_Unbiased	1.254	1.254	0.000
100	C38_Unbiased	1.255	1.256	0.000
	Max	1.258	1.259	0.000
	Average	1.255	1.255	0.000
	Min	1.251	1.252	-0.002
	Std Dev	0.001	0.001	0.000



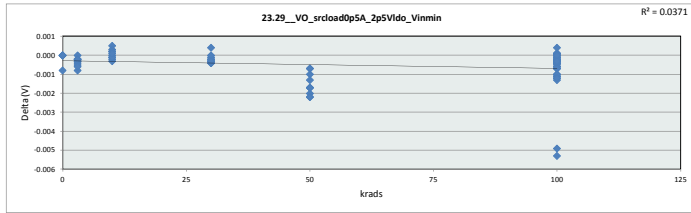
23.28_VO_noload_2p5VIdo_V			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	1.28	V	
Min Limit	1.23	V	

krads	0	3	10	30	50	100
LL	1.230	1.230	1.230	1.230	1.230	1.230
Min	1.253	1.252	1.253	1.255	1.253	1.252
Average	1.255	1.256	1.255	1.255	1.255	1.255
Max	1.256	1.259	1.257	1.257	1.257	1.257
UL	1.280	1.280	1.280	1.280	1.280	1.280

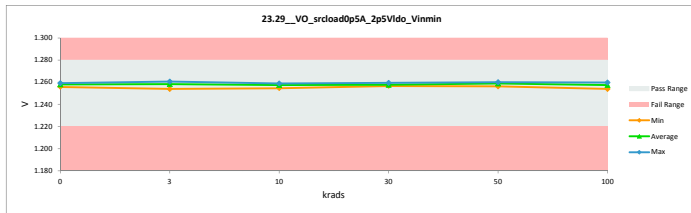


TID 100krad LDR Report
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23.29_VO_srcloadOp5A_2p5VId				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.28	1.28		
Min Limit	1.22	1.22		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.259	1.259	0.000
3	A79_Biased	1.260	1.261	0.000
3	A80_Biased	1.258	1.259	-0.001
3	B1_Biased	1.259	1.259	0.000
3	B2_Biased	1.254	1.254	0.000
3	C1_Biased	1.257	1.258	0.000
3	A82_Unbiased	1.258	1.259	-0.001
3	A83_Unbiased	1.260	1.260	0.000
3	B4_Unbiased	1.257	1.257	0.000
3	B5_Unbiased	1.258	1.258	0.000
3	C2_Unbiased	1.259	1.260	-0.001
10	A85_Biased	1.255	1.255	0.001
10	A86_Biased	1.258	1.258	0.000
10	B6_Biased	1.259	1.259	0.000
10	C3_Biased	1.257	1.258	0.000
10	C4_Biased	1.259	1.259	0.000
10	A87_Unbiased	1.256	1.256	0.000
10	A88_Unbiased	1.259	1.259	0.000
10	B7_Unbiased	1.257	1.257	0.000
10	C5_Unbiased	1.259	1.259	0.000
10	C6_Unbiased	1.256	1.256	0.000
0	106_Corr	1.258	1.258	0.000
30	A89_Biased	1.257	1.257	0.000
30	B8_Biased	1.259	1.259	0.000
30	B9_Biased	1.257	1.257	0.000
30	C7_Biased	1.258	1.257	0.000
30	C9_Biased	1.257	1.257	0.000
30	A90_Unbiased	1.259	1.259	0.000
30	B10_Unbiased	1.256	1.257	0.000
30	B11_Unbiased	1.258	1.258	0.000
30	C11_Unbiased	1.258	1.258	0.000
30	C12_Unbiased	1.257	1.257	0.000
0	106_Corr	1.259	1.259	0.000
0	15B_Corr	1.256	1.256	0.000
50	A92_Biased	1.259	1.260	-0.001
50	A93_Biased	1.258	1.259	-0.002
50	B12_Biased	1.256	1.258	-0.002
50	B13_Biased	1.257	1.259	-0.002
50	C14_Biased	1.258	1.259	-0.001
50	A95_Unbiased	1.256	1.256	-0.002
50	A96_Unbiased	1.258	1.260	-0.002
50	B15_Unbiased	1.258	1.259	-0.001
50	B16_Unbiased	1.256	1.258	-0.002
50	C15_Unbiased	1.258	1.260	-0.002
0	106_Corr	1.258	1.258	-0.001
100	A97_Biased	1.257	1.257	0.000
100	A99_Biased	1.258	1.258	0.000
100	A100_Biased	1.255	1.255	0.000
100	A101_Biased	1.258	1.258	0.000
100	A102_Biased	1.258	1.258	0.000
100	A104_Biased	1.258	1.259	-0.001
100	A105_Biased	1.256	1.256	0.000
100	B17_Biased	1.258	1.258	0.000
100	B18_Biased	1.253	1.254	-0.001
100	B19_Biased	1.255	1.257	-0.001
100	B20_Biased	1.258	1.258	0.000
100	B21_Biased	1.258	1.257	0.000
100	B24_Biased	1.256	1.256	0.000
100	B25_Biased	1.257	1.257	0.000
100	B26_Biased	1.254	1.254	0.000
100	C16_Biased	1.258	1.259	-0.001
100	C17_Biased	1.258	1.258	0.000
100	C18_Biased	1.258	1.260	-0.001
100	C19_Biased	1.257	1.258	-0.001
100	C25_Biased	1.257	1.257	0.000
100	C26_Biased	1.258	1.259	-0.001
100	C31_Biased	1.260	1.260	0.000
100	A107_Unbiased	1.258	1.259	-0.001
100	A108_Unbiased	1.258	1.258	0.000
100	A109_Unbiased	1.258	1.258	0.000
100	A110_Unbiased	1.258	1.258	0.000
100	A111_Unbiased	1.257	1.257	-0.001
100	A112_Unbiased	1.258	1.259	0.000
100	A113_Unbiased	1.259	1.259	0.000
100	B27_Unbiased	1.255	1.255	0.000
100	B29_Unbiased	1.258	1.258	0.000
100	B30_Unbiased	1.256	1.257	0.000
100	B31_Unbiased	1.257	1.258	-0.001
100	B32_Unbiased	1.253	1.258	-0.005
100	B33_Unbiased	1.257	1.257	0.000
100	B34_Unbiased	1.251	1.256	-0.005
100	B35_Unbiased	1.255	1.255	0.000
100	C32_Unbiased	1.256	1.257	0.000
100	C33_Unbiased	1.258	1.258	-0.001
100	C34_Unbiased	1.257	1.257	0.000
100	C35_Unbiased	1.256	1.256	0.000
100	C36_Unbiased	1.258	1.260	-0.001
100	C37_Unbiased	1.255	1.257	-0.001
100	C38_Unbiased	1.257	1.258	0.000
	Max	1.260	1.261	0.001
	Average	1.257	1.258	-0.001
	Min	1.251	1.254	-0.005
	Std Dev	0.002	0.001	0.001

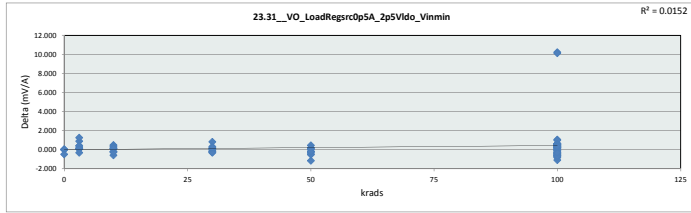


23.29_VO_srcloadOp5A_2p5V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.28	V				
Min Limit	1.22	V				
Krads	0	3	10	30	50	100
LL	1.220	1.220	1.220	1.220	1.220	1.220
Min	1.256	1.254	1.255	1.257	1.256	1.254
Average	1.258	1.258	1.257	1.258	1.259	1.257
Max	1.259	1.261	1.259	1.259	1.260	1.260
UL	1.280	1.280	1.280	1.280	1.280	1.280

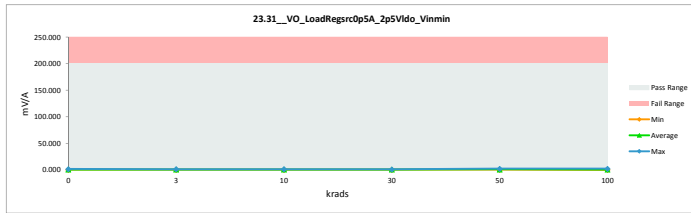


TID 100krad LDR Report
TPS7H3301-SP

23.31_VO_LoadRegrcOp5A_2p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.371	0.371	0.000
3	A79_Biased	0.440	0.257	0.183
3	A80_Biased	1.228	0.352	0.876
3	B1_Biased	0.807	0.397	0.410
3	B2_Biased	1.120	1.050	0.070
3	C1_Biased	0.206	0.136	0.070
3	A82_Unbiased	1.502	0.232	1.270
3	A83_Unbiased	0.488	0.122	0.366
3	B4_Unbiased	1.291	1.177	0.114
3	B5_Unbiased	0.590	0.518	0.072
3	C2_Unbiased	0.119	0.427	-0.308
10	A85_Biased	1.000	1.227	-0.227
10	A86_Biased	0.676	0.207	0.469
10	B6_Biased	0.008	0.609	-0.601
10	C3_Biased	0.460	0.066	0.394
10	C4_Biased	0.568	0.277	0.291
10	A87_Unbiased	0.184	0.075	0.109
10	A88_Unbiased	0.840	1.058	-0.218
10	B7_Unbiased	0.213	0.146	0.067
10	C5_Unbiased	0.038	0.284	-0.246
10	C6_Unbiased	0.889	0.734	0.155
0	106_Corr	0.079	0.079	0.000
30	A89_Biased	0.083	0.242	-0.159
30	B8_Biased	0.145	0.077	0.068
30	B9_Biased	0.084	0.336	-0.252
30	C7_Biased	1.048	0.218	0.830
30	C9_Biased	0.128	0.043	0.085
30	A90_Unbiased	0.360	0.054	0.306
30	B10_Unbiased	0.260	0.471	-0.211
30	B11_Unbiased	0.033	0.042	-0.009
30	C11_Unbiased	0.457	0.457	-0.000
30	C12_Unbiased	0.480	0.269	0.211
0	106_Corr	0.072	0.072	0.000
0	15B_Corr	1.276	1.276	0.000
50	A92_Biased	0.707	0.561	0.146
50	A93_Biased	0.071	0.213	-0.142
50	B12_Biased	0.605	0.151	0.454
50	B13_Biased	0.000	1.179	-1.179
50	C14_Biased	0.295	0.267	0.028
50	A95_Unbiased	0.453	0.492	-0.039
50	A96_Unbiased	0.237	0.698	-0.461
50	B15_Unbiased	1.432	1.956	-0.524
50	B16_Unbiased	0.454	0.268	0.186
50	C15_Unbiased	0.722	0.957	-0.235
0	106_Corr	0.079	0.079	0.000
100	A97_Biased	0.119	0.753	-0.634
100	A99_Biased	0.996	1.489	-0.493
100	A100_Biased	0.555	0.054	0.501
100	A101_Biased	0.465	0.074	0.391
100	A102_Biased	0.643	1.042	-0.399
100	A104_Biased	0.393	0.339	0.054
100	A105_Biased	0.447	0.666	-0.219
100	B17_Biased	0.451	0.913	-0.462
100	B18_Biased	1.896	0.851	1.045
100	B19_Biased	0.667	0.043	0.624
100	B20_Biased	0.502	0.044	0.458
100	B21_Biased	1.226	1.997	-0.771
100	B24_Biased	0.132	0.707	-0.575
100	B25_Biased	0.671	0.053	0.618
100	B26_Biased	0.098	0.077	0.021
100	C16_Biased	0.708	0.129	0.579
100	C17_Biased	0.672	0.272	0.400
100	C18_Biased	0.145	0.132	0.013
100	C19_Biased	0.201	0.212	-0.011
100	C25_Biased	0.266	0.119	0.147
100	C26_Biased	0.663	0.449	0.214
100	C31_Biased	0.874	0.251	0.623
100	A107_Unbiased	0.354	0.709	-0.355
100	A108_Unbiased	0.538	0.185	0.353
100	A109_Unbiased	1.825	0.847	0.978
100	A110_Unbiased	0.635	1.315	-0.680
100	A111_Unbiased	1.093	0.606	0.487
100	A112_Unbiased	0.526	1.614	-1.088
100	A113_Unbiased	0.118	0.231	-0.113
100	B27_Unbiased	0.782	0.200	0.582
100	B29_Unbiased	0.533	0.031	0.502
100	B30_Unbiased	0.864	0.884	-0.020
100	B31_Unbiased	0.274	0.008	0.266
100	B32_Unbiased	10.325	0.084	10.241
100	B33_Unbiased	0.666	0.508	0.158
100	B34_Unbiased	10.856	0.739	10.117
100	B35_Unbiased	0.068	0.165	-0.097
100	C32_Unbiased	0.331	0.072	0.259
100	C33_Unbiased	0.102	0.425	-0.323
100	C34_Unbiased	0.418	0.201	0.217
100	C35_Unbiased	0.277	1.093	-0.816
100	C36_Unbiased	0.251	0.908	-0.657
100	C37_Unbiased	0.185	0.514	-0.329
100	C38_Unbiased	0.395	0.097	0.298
	Max	10.856	1.997	10.241
	Average	0.489	0.489	0.260
	Min	0.000	0.008	-1.179
	Std Dev	1.556	0.449	1.581

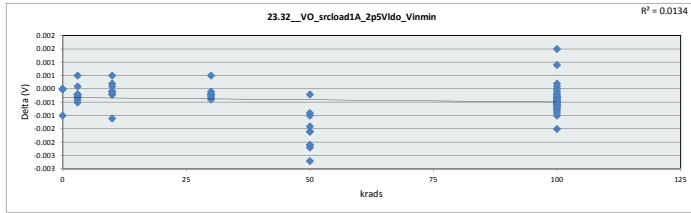


23.31_VO_LoadRegrcOp5A_2p5Vldo_Vinmin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.072	0.122	0.066	0.042	0.151	0.008
Average	0.475	0.467	0.468	0.241	0.700	0.509
Max	1.276	1.177	1.227	0.657	1.956	1.997
UL	200.000	200.000	200.000	200.000	200.000	200.000

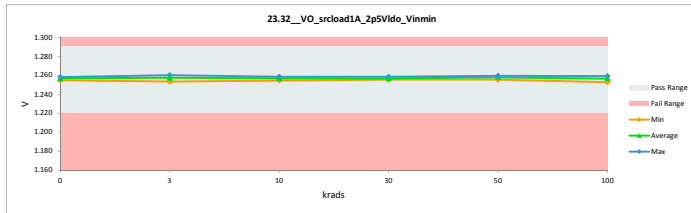


TID 100krad LDR Report
TPS7H3301-SP

23.32_VO_srcload1A_2p5Vldo				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	V	V		
Max Limit	1.29	1.29		
Min Limit	1.22	1.22		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.258	1.258	0.000
3	A79_Biased	1.260	1.260	0.000
3	A80_Biased	1.258	1.258	0.000
3	B1_Biased	1.258	1.258	0.000
3	B2_Biased	1.253	1.253	0.000
3	C1_Biased	1.256	1.257	-0.001
3	A82_Unbiased	1.258	1.258	0.000
3	A83_Unbiased	1.259	1.259	0.000
3	B4_Unbiased	1.257	1.257	0.000
3	B5_Unbiased	1.257	1.257	0.000
3	C2_Unbiased	1.258	1.258	0.000
10	A85_Biased	1.254	1.255	0.000
10	A86_Biased	1.257	1.257	0.000
10	B6_Biased	1.258	1.258	0.000
10	C3_Biased	1.256	1.257	-0.001
10	C4_Biased	1.258	1.258	0.000
10	A87_Unbiased	1.256	1.256	0.000
10	A88_Unbiased	1.258	1.258	0.000
10	B7_Unbiased	1.257	1.257	0.000
10	C5_Unbiased	1.258	1.258	0.000
10	C6_Unbiased	1.255	1.255	0.000
0	106_Corr	1.256	1.256	0.000
30	A89_Biased	1.255	1.255	0.000
30	B8_Biased	1.258	1.258	0.000
30	B9_Biased	1.256	1.256	0.000
30	C7_Biased	1.256	1.257	0.000
30	C9_Biased	1.256	1.256	0.000
30	A90_Unbiased	1.258	1.257	0.000
30	B10_Unbiased	1.256	1.256	0.000
30	B11_Unbiased	1.257	1.257	0.000
30	C11_Unbiased	1.257	1.258	0.000
30	C12_Unbiased	1.257	1.257	0.000
0	106_Corr	1.258	1.258	0.000
0	158_Corr	1.255	1.255	0.000
50	A92_Biased	1.258	1.259	-0.001
50	A93_Biased	1.257	1.258	0.000
50	B12_Biased	1.255	1.258	-0.003
50	B13_Biased	1.255	1.258	-0.002
50	C14_Biased	1.257	1.258	-0.001
50	A95_Unbiased	1.254	1.255	-0.002
50	A96_Unbiased	1.257	1.259	-0.002
50	B15_Unbiased	1.258	1.258	0.000
50	B16_Unbiased	1.255	1.257	-0.002
50	C15_Unbiased	1.257	1.259	-0.002
0	106_Corr	1.256	1.257	-0.001
100	A97_Biased	1.256	1.256	0.000
100	A99_Biased	1.257	1.257	-0.001
100	A100_Biased	1.253	1.254	-0.001
100	A101_Biased	1.257	1.257	0.000
100	A102_Biased	1.257	1.258	0.000
100	A104_Biased	1.257	1.258	-0.001
100	A105_Biased	1.254	1.255	0.000
100	B17_Biased	1.257	1.257	-0.001
100	B18_Biased	1.252	1.253	-0.001
100	B19_Biased	1.255	1.255	-0.001
100	B20_Biased	1.257	1.257	0.000
100	B21_Biased	1.257	1.257	0.000
100	B24_Biased	1.255	1.255	-0.001
100	B25_Biased	1.255	1.256	0.000
100	B26_Biased	1.253	1.253	0.000
100	C16_Biased	1.257	1.258	-0.001
100	C17_Biased	1.257	1.257	0.000
100	C18_Biased	1.257	1.259	-0.002
100	C19_Biased	1.256	1.257	-0.001
100	C25_Biased	1.256	1.256	0.000
100	C26_Biased	1.257	1.258	-0.001
100	C31_Biased	1.259	1.259	0.000
100	A107_Unbiased	1.258	1.258	0.000
100	A108_Unbiased	1.257	1.258	0.000
100	A109_Unbiased	1.257	1.257	0.000
100	A110_Unbiased	1.257	1.258	0.000
100	A111_Unbiased	1.257	1.257	0.000
100	A112_Unbiased	1.258	1.258	0.000
100	A113_Unbiased	1.258	1.258	0.000
100	B27_Unbiased	1.254	1.254	0.000
100	B29_Unbiased	1.257	1.257	0.000
100	B30_Unbiased	1.255	1.256	0.000
100	B31_Unbiased	1.257	1.257	0.000
100	B32_Unbiased	1.258	1.257	0.001
100	B33_Unbiased	1.255	1.256	0.000
100	B34_Unbiased	1.257	1.255	0.002
100	B35_Unbiased	1.255	1.255	0.000
100	C32_Unbiased	1.255	1.256	0.000
100	C33_Unbiased	1.257	1.257	-0.001
100	C34_Unbiased	1.256	1.256	0.000
100	C35_Unbiased	1.255	1.255	0.000
100	C36_Unbiased	1.258	1.258	0.000
100	C37_Unbiased	1.255	1.256	-0.001
100	C38_Unbiased	1.257	1.257	0.000
	Max	1.260	1.260	0.002
	Average	1.256	1.257	0.000
	Min	1.252	1.253	-0.003
	Std Dev	0.001	0.001	0.001

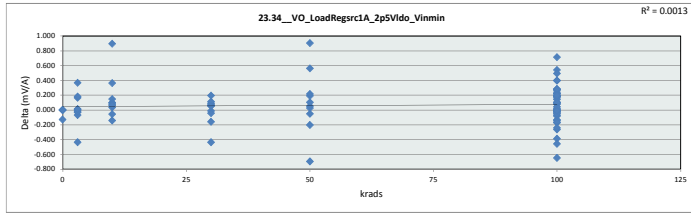


23.32_VO_srcload1A_2p5Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.29	V				
Min Limit	1.22	V				
krads	0	3	10	30	50	100
LL	1.220	1.220	1.220	1.220	1.220	1.220
Min	1.255	1.253	1.255	1.256	1.255	1.253
Average	1.257	1.257	1.257	1.257	1.258	1.257
Max	1.258	1.260	1.258	1.258	1.259	1.259
UL	1.290	1.290	1.290	1.290	1.290	1.290

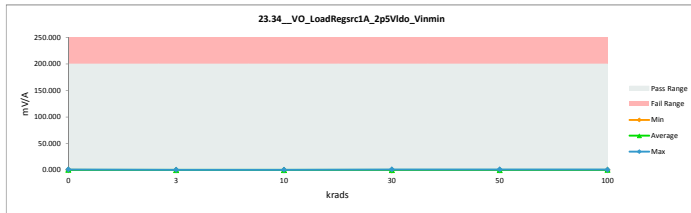


TID 100krad LDR Report
TPS7H3301-SP

23.34_VO_LoadRegrsc1A_2p5V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV/A	mV/A		
Max Limit	200	200		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.068	1.068	0.000
3	A79_Biased	0.601	0.439	0.162
3	A80_Biased	1.040	0.858	0.182
3	B1_Biased	0.626	0.615	0.011
3	B2_Biased	1.094	1.123	-0.029
3	C1_Biased	0.893	0.525	0.368
3	A82_Unbiased	0.995	1.065	-0.070
3	A83_Unbiased	0.635	1.074	-0.439
3	B4_Unbiased	1.044	1.048	-0.004
3	B5_Unbiased	0.540	0.566	-0.026
3	C2_Unbiased	0.624	0.618	0.006
10	A85_Biased	1.185	0.824	0.361
10	A86_Biased	0.783	0.751	0.032
10	B6_Biased	0.780	0.681	0.099
10	C3_Biased	1.466	0.572	0.894
10	C4_Biased	1.056	0.911	0.145
10	A87_Unbiased	0.384	0.527	-0.143
10	A88_Unbiased	1.283	1.188	0.095
10	B7_Unbiased	0.302	0.361	-0.059
10	C5_Unbiased	0.586	0.508	0.078
10	C6_Unbiased	0.562	0.503	0.059
0	106_Corr	1.046	1.046	0.000
30	A89_Biased	1.174	1.116	0.058
30	B8_Biased	0.808	0.720	0.088
30	B9_Biased	0.788	0.718	0.070
30	C7_Biased	0.448	0.337	0.111
30	C9_Biased	1.107	0.915	0.192
30	A90_Unbiased	0.972	1.409	-0.437
30	B10_Unbiased	0.406	0.420	-0.014
30	B11_Unbiased	0.837	0.883	-0.046
30	C11_Unbiased	0.308	0.198	0.160
30	C12_Unbiased	0.667	0.617	0.050
0	106_Corr	1.022	1.022	0.000
0	15B_Corr	1.523	1.523	0.000
50	A92_Biased	0.539	0.592	-0.053
50	A93_Biased	0.964	0.918	0.050
50	B12_Biased	1.223	0.319	0.904
50	B13_Biased	0.985	0.425	0.560
50	C14_Biased	0.728	0.625	0.103
50	A95_Unbiased	0.845	1.047	-0.202
50	A96_Unbiased	0.720	0.530	0.190
50	B15_Unbiased	0.908	1.606	-0.698
50	B16_Unbiased	1.047	1.021	0.026
50	C15_Unbiased	1.156	0.940	0.216
0	106_Corr	1.046	1.046	0.000
100	A97_Biased	0.861	0.899	-0.038
100	A99_Biased	1.442	1.251	0.191
100	A100_Biased	0.868	0.847	0.021
100	A101_Biased	0.964	0.775	0.189
100	A102_Biased	1.020	0.840	0.180
100	A104_Biased	0.871	1.044	-0.173
100	A105_Biased	1.350	1.136	0.214
100	B17_Biased	1.078	0.938	0.140
100	B18_Biased	1.620	1.390	0.230
100	B19_Biased	0.598	0.861	-0.263
100	B20_Biased	1.167	0.889	0.278
100	B21_Biased	1.400	1.298	0.102
100	B24_Biased	0.807	0.730	0.077
100	B25_Biased	1.125	0.902	0.223
100	B26_Biased	0.924	0.833	0.091
100	C16_Biased	1.160	0.621	0.539
100	C17_Biased	0.438	0.826	-0.388
100	C18_Biased	1.198	0.485	0.713
100	C19_Biased	0.750	0.490	0.260
100	C25_Biased	0.937	0.539	0.398
100	C26_Biased	1.070	1.083	-0.013
100	C31_Biased	0.261	0.261	0.000
100	A107_Unbiased	0.416	0.411	0.005
100	A108_Unbiased	0.672	0.757	-0.085
100	A109_Unbiased	1.313	1.338	-0.025
100	A110_Unbiased	1.250	1.262	-0.012
100	A111_Unbiased	1.042	1.181	-0.139
100	A112_Unbiased	0.711	1.169	-0.458
100	A113_Unbiased	0.586	0.721	-0.135
100	B27_Unbiased	1.319	0.827	0.492
100	B29_Unbiased	0.998	0.834	0.164
100	B30_Unbiased	1.203	0.923	0.280
100	B31_Unbiased	0.897	0.853	0.044
100	B32_Unbiased	0.857	0.575	0.282
100	B33_Unbiased	0.663	0.476	0.187
100	B34_Unbiased	0.985	0.956	-0.027
100	B35_Unbiased	0.743	0.642	0.101
100	C32_Unbiased	0.595	0.760	-0.165
100	C33_Unbiased	0.781	0.585	0.196
100	C34_Unbiased	1.039	0.640	0.399
100	C35_Unbiased	0.976	1.026	-0.050
100	C36_Unbiased	0.025	0.674	-0.649
100	C37_Unbiased	0.030	0.273	-0.243
100	C38_Unbiased	0.713	0.726	-0.013
	Max	1.620	1.606	0.004
	Average	0.878	0.815	0.044
	Min	0.025	0.198	-0.698
	Std Dev	0.326	0.302	0.265

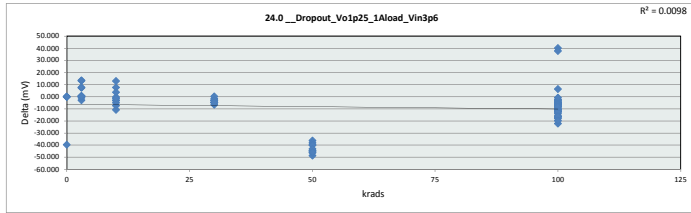


23.34_VO_LoadRegrsc1A_2p5V						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	200	mV/A				
Min Limit	0	mV/A				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.022	0.439	0.361	0.198	0.319	0.261
Average	1.167	0.793	0.683	0.733	0.802	0.831
Max	1.523	1.123	1.188	1.409	1.606	1.390
UL	200.000	200.000	200.000	200.000	200.000	200.000

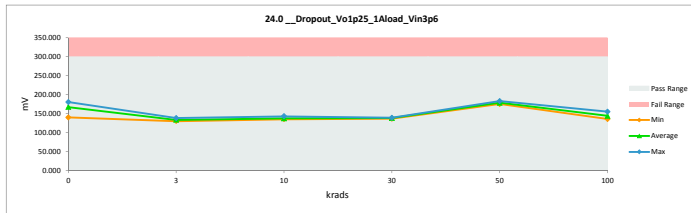


TID 100krad LDR Report
TPS7H3301-SP

24.0 Dropout_Vo1p25_1Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	156.897	156.897	0.000
3	A79_Biased	137.547	130.105	7.442
3	A80_Biased	145.172	131.981	13.191
3	B1_Biased	132.303	135.208	-2.905
3	B2_Biased	136.240	136.997	-0.757
3	C1_Biased	133.496	133.183	0.313
3	A82_Unbiased	145.323	132.002	13.321
3	A83_Unbiased	145.882	138.210	7.672
3	B4_Unbiased	133.268	132.724	0.544
3	B5_Unbiased	133.715	133.123	0.592
3	C2_Unbiased	131.969	131.544	0.425
10	A85_Biased	143.935	136.416	7.519
10	A86_Biased	149.904	136.991	12.913
10	B6_Biased	132.034	142.830	-10.796
10	C3_Biased	132.946	140.337	-7.391
10	C4_Biased	132.159	137.243	-5.084
10	A87_Unbiased	135.955	136.220	-0.265
10	A88_Unbiased	138.839	135.244	3.595
10	B7_Unbiased	134.036	136.935	-2.899
10	C5_Unbiased	132.561	135.906	-3.345
10	C6_Unbiased	135.310	136.642	-1.332
0	106_Corr	140.026	140.026	0.000
30	A89_Biased	137.262	138.833	-1.571
30	B8_Biased	131.955	138.647	-6.692
30	B9_Biased	134.216	138.977	-4.761
30	C7_Biased	134.005	137.232	-3.227
30	C8_Biased	133.903	138.754	-4.851
30	A90_Unbiased	137.227	137.104	0.123
30	B10_Unbiased	134.749	137.607	-2.858
30	B11_Unbiased	132.599	137.428	-4.829
30	C11_Unbiased	133.472	136.346	-2.874
30	C12_Unbiased	133.723	138.499	-4.776
0	106_Corr	180.547	180.547	0.000
0	15B_Corr	178.579	178.579	0.000
50	A92_Biased	139.227	175.461	-36.234
50	A93_Biased	137.833	175.829	-37.996
50	B12_Biased	134.160	178.950	-44.790
50	B13_Biased	134.299	182.975	-48.676
50	C14_Biased	133.767	178.404	-44.637
50	A95_Unbiased	138.718	178.725	-40.007
50	A96_Unbiased	140.046	179.903	-39.857
50	B15_Unbiased	131.936	175.034	-43.098
50	B16_Unbiased	134.355	180.596	-46.241
50	C15_Unbiased	132.338	178.230	-45.892
0	106_Corr	140.026	139.793	-0.233
100	A97_Biased	135.249	144.717	-9.468
100	A99_Biased	141.652	146.970	-5.318
100	A100_Biased	141.505	148.389	-6.884
100	A101_Biased	137.897	141.034	-3.137
100	A102_Biased	137.459	142.915	-5.456
100	A104_Biased	137.968	155.073	-17.105
100	A105_Biased	140.274	145.263	-4.989
100	B17_Biased	133.133	149.216	-16.083
100	B18_Biased	136.518	144.790	-8.272
100	B19_Biased	135.231	149.300	-14.069
100	B20_Biased	132.828	139.350	-6.522
100	B21_Biased	132.907	145.211	-12.304
100	B24_Biased	135.180	145.768	-10.588
100	B25_Biased	133.957	138.569	-4.612
100	B26_Biased	129.157	137.011	-7.854
100	C16_Biased	132.142	142.674	-10.532
100	C17_Biased	133.242	149.449	-16.207
100	C18_Biased	131.969	144.564	-12.595
100	C19_Biased	133.698	151.794	-18.096
100	C25_Biased	133.892	136.289	-2.397
100	C26_Biased	132.535	154.922	-22.387
100	C31_Biased	131.628	142.442	-10.814
100	A107_Unbiased	144.035	149.263	-5.228
100	A108_Unbiased	144.096	149.093	-4.997
100	A109_Unbiased	147.109	140.940	6.169
100	A110_Unbiased	141.328	146.700	-5.372
100	A111_Unbiased	141.809	147.209	-5.399
100	A112_Unbiased	135.328	147.755	-12.427
100	A113_Unbiased	135.331	146.589	-11.258
100	B27_Unbiased	135.305	138.048	-2.743
100	B29_Unbiased	132.928	137.660	-4.732
100	B30_Unbiased	134.032	138.694	-4.662
100	B31_Unbiased	133.330	139.768	-6.438
100	B32_Unbiased	177.553	137.550	40.003
100	B33_Unbiased	134.852	139.518	-4.666
100	B34_Unbiased	178.506	140.896	37.610
100	B35_Unbiased	134.758	135.741	-0.963
100	C32_Unbiased	134.808	147.197	-12.389
100	C33_Unbiased	133.280	139.453	-6.173
100	C34_Unbiased	133.596	140.193	-6.597
100	C35_Unbiased	134.656	143.252	-8.596
100	C36_Unbiased	132.783	148.856	-16.073
100	C37_Unbiased	127.581	147.354	-19.773
100	C38_Unbiased	133.310	141.673	-8.363
	Max	180.547	182.975	40.003
	Average	138.076	146.610	-8.534
	Min	127.581	130.105	-48.676
	Std Dev	10.051	14.435	15.854

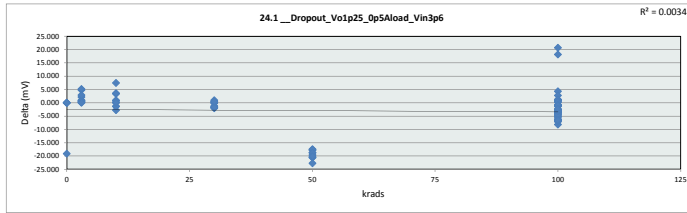


24.0 Dropout_Vo1p25_1Aload						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	140.026	130.105	135.244	136.346	175.034	135.741
Average	167.168	133.508	137.476	137.943	178.411	144.071
Max	180.547	138.210	142.830	138.977	182.975	155.073
UL	300.000	300.000	300.000	300.000	300.000	300.000

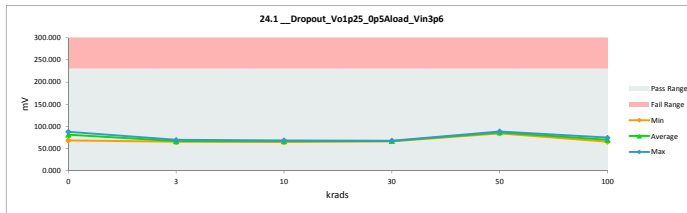


TID 100krad LDR Report
TPS7H3301-SP

24.1 Dropout_Vo1p25_Op5Ato				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	76.255	76.255	0.000
3	A79_Biased	67.138	66.294	0.844
3	A80_Biased	70.519	65.688	4.831
3	B1_Biased	66.190	65.187	1.003
3	B2_Biased	67.327	66.972	0.355
3	C1_Biased	67.185	66.818	0.367
3	A82_Unbiased	70.724	65.527	5.197
3	A83_Unbiased	71.579	69.361	2.218
3	B4_Unbiased	66.925	66.617	0.308
3	B5_Unbiased	67.210	67.187	0.023
3	C2_Unbiased	68.088	65.140	2.948
10	A85_Biased	69.475	66.144	3.331
10	A86_Biased	73.828	66.349	7.479
10	B6_Biased	65.502	68.215	-2.713
10	C3_Biased	66.777	68.043	-1.266
10	C4_Biased	65.611	66.949	-1.338
10	A87_Unbiased	65.777	65.639	0.138
10	A88_Unbiased	68.402	64.762	3.640
10	B7_Unbiased	67.525	66.570	0.955
10	C5_Unbiased	66.068	65.375	0.693
10	C6_Unbiased	66.447	66.414	0.033
0	106_Corr	68.236	68.236	0.000
30	A89_Biased	67.112	67.032	0.080
30	B8_Biased	65.444	66.579	-1.135
30	B9_Biased	65.457	67.143	-1.686
30	C7_Biased	65.413	66.938	-1.525
30	C9_Biased	67.437	67.027	0.410
30	A90_Unbiased	66.977	67.118	-0.141
30	B10_Unbiased	65.616	67.618	-2.002
30	B11_Unbiased	66.037	67.688	-1.651
30	C11_Unbiased	67.225	66.295	0.930
30	C12_Unbiased	67.093	66.552	0.541
0	106_Corr	87.897	87.897	0.000
0	15B_Corr	87.847	87.847	0.000
50	A92_Biased	67.106	84.839	-17.733
50	A93_Biased	67.395	85.227	-17.832
50	B12_Biased	67.712	86.505	-18.793
50	B13_Biased	68.098	88.616	-20.518
50	C14_Biased	67.145	87.755	-20.610
50	A95_Unbiased	68.446	85.859	-17.413
50	A96_Unbiased	67.869	87.424	-19.555
50	B15_Unbiased	65.602	84.421	-18.819
50	B16_Unbiased	65.444	88.144	-22.700
50	C15_Unbiased	65.797	85.929	-20.132
0	106_Corr	68.236	87.391	-19.155
100	A97_Biased	64.865	70.109	-5.244
100	A99_Biased	69.486	70.491	-1.005
100	A100_Biased	68.954	72.189	-3.235
100	A101_Biased	65.673	68.793	-3.120
100	A102_Biased	67.500	70.468	-2.968
100	A104_Biased	67.778	74.449	-6.671
100	A105_Biased	67.766	70.942	-3.176
100	B17_Biased	66.841	72.965	-6.124
100	B18_Biased	65.170	70.425	-5.255
100	B19_Biased	66.349	72.831	-6.482
100	B20_Biased	66.614	69.141	-2.527
100	B21_Biased	66.495	70.658	-4.163
100	B24_Biased	66.490	69.166	-2.676
100	B25_Biased	67.683	66.662	1.021
100	B26_Biased	67.961	67.062	0.899
100	C16_Biased	68.324	68.058	0.266
100	C17_Biased	67.030	73.553	-6.523
100	C18_Biased	65.829	69.848	-4.019
100	C19_Biased	67.409	73.621	-6.212
100	C25_Biased	67.486	66.263	1.223
100	C26_Biased	66.350	74.533	-8.183
100	C31_Biased	65.020	69.635	-4.615
100	A107_Unbiased	69.474	72.480	-3.006
100	A108_Unbiased	71.480	72.794	-1.314
100	A109_Unbiased	72.644	68.321	4.323
100	A110_Unbiased	68.684	72.310	-3.626
100	A111_Unbiased	67.585	70.997	-3.412
100	A112_Unbiased	65.126	71.561	-6.435
100	A113_Unbiased	65.076	72.141	-7.065
100	B27_Unbiased	68.916	66.101	2.815
100	B29_Unbiased	66.513	65.674	0.839
100	B30_Unbiased	67.813	66.610	1.203
100	B31_Unbiased	66.933	67.662	-0.729
100	B32_Unbiased	88.347	67.608	20.739
100	B33_Unbiased	65.975	67.217	-1.242
100	B34_Unbiased	68.766	68.590	18.176
100	B35_Unbiased	66.037	65.634	0.403
100	C32_Unbiased	65.839	70.245	-4.406
100	C33_Unbiased	66.819	67.586	-0.767
100	C34_Unbiased	67.243	68.210	-0.967
100	C35_Unbiased	65.943	69.034	-3.091
100	C36_Unbiased	66.018	72.750	-6.732
100	C37_Unbiased	66.592	73.046	-6.454
100	C38_Unbiased	66.903	69.205	-2.302
	Max	88.347	88.616	20.739
	Average	68.281	71.345	-3.064
	Min	64.865	64.762	-22.700
	Std Dev	4.650	6.907	7.522



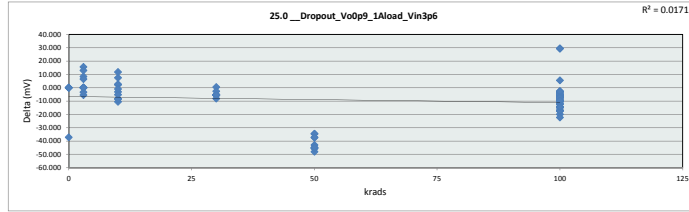
24.1 Dropout_Vo1p25_Op5A						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	68.236	65.140	64.762	66.295	84.421	65.634
Average	81.525	66.479	66.446	66.999	86.472	69.957
Max	87.897	69.361	68.215	67.688	88.616	74.533
UL	230.000	230.000	230.000	230.000	230.000	230.000



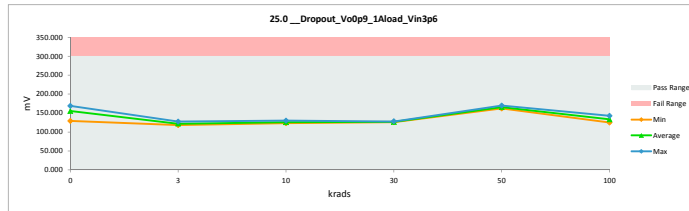
TID 100krad LDR Report
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25.0_Dropout_VoOp9_1Aload			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	300	300	
Min Limit	0	0	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	145.010	145.010	0.000
3	A79_Biased	126.351	118.043	8.308
3	A80_Biased	135.163	119.429	15.734
3	B1_Biased	119.932	125.390	-5.458
3	B2_Biased	123.628	126.904	-3.276
3	C1_Biased	121.045	121.084	-0.039
3	A82_Unbiased	132.837	119.751	13.086
3	A83_Unbiased	134.256	127.824	6.432
3	B4_Unbiased	120.820	120.510	0.310
3	B5_Unbiased	121.056	121.070	-0.014
3	C2_Unbiased	119.366	119.428	-0.062
10	A85_Biased	133.239	125.809	7.430
10	A86_Biased	138.567	126.565	11.992
10	B6_Biased	119.302	129.980	-10.678
10	C3_Biased	120.664	129.040	-8.376
10	C4_Biased	119.511	127.847	-8.336
10	A87_Unbiased	125.413	123.172	2.241
10	A88_Unbiased	127.440	124.719	2.721
10	B7_Unbiased	121.249	124.457	-3.208
10	C5_Unbiased	119.832	125.219	-5.387
10	C6_Unbiased	122.767	123.635	-0.868
0	106_Corr	128.917	128.917	0.000
30	A89_Biased	127.575	127.038	0.537
30	B8_Biased	119.216	127.361	-8.145
30	B9_Biased	121.833	127.232	-5.399
30	C7_Biased	121.636	127.155	-5.519
30	C9_Biased	121.932	126.936	-5.004
30	A90_Unbiased	125.292	127.845	-2.553
30	B10_Unbiased	122.015	127.588	-5.573
30	B11_Unbiased	120.288	125.626	-5.338
30	C11_Unbiased	120.755	126.262	-5.507
30	C12_Unbiased	120.985	126.497	-5.512
0	106_Corr	169.048	169.048	0.000
0	15B_Corr	165.776	165.776	0.000
50	A92_Biased	128.293	162.775	-34.482
50	A93_Biased	125.488	163.038	-37.550
50	B12_Biased	121.795	167.139	-45.344
50	B13_Biased	121.814	169.766	-47.952
50	C14_Biased	121.015	166.632	-45.617
50	A95_Unbiased	131.302	155.940	-24.638
50	A96_Unbiased	128.883	166.069	-37.186
50	B15_Unbiased	119.290	162.321	-43.031
50	B16_Unbiased	121.699	166.670	-44.971
50	C15_Unbiased	119.688	164.484	-44.796
0	106_Corr	128.917	128.917	0.000
100	A97_Biased	124.579	134.034	-9.455
100	A99_Biased	131.168	134.965	-3.797
100	A100_Biased	131.964	138.136	-6.172
100	A101_Biased	125.867	132.681	-6.814
100	A102_Biased	125.495	132.272	-6.777
100	A104_Biased	126.033	142.926	-16.893
100	A105_Biased	128.024	134.983	-6.959
100	B17_Biased	120.631	137.862	-17.231
100	B18_Biased	124.269	133.754	-9.485
100	B19_Biased	122.701	137.113	-14.412
100	B20_Biased	120.551	130.856	-10.305
100	B21_Biased	120.089	135.223	-15.134
100	B24_Biased	122.700	132.703	-10.003
100	B25_Biased	121.604	126.830	-5.226
100	B26_Biased	124.231	126.879	-2.648
100	C16_Biased	119.599	131.935	-12.336
100	C17_Biased	120.722	138.034	-17.312
100	C18_Biased	119.719	134.235	-14.516
100	C19_Biased	121.398	141.399	-20.001
100	C25_Biased	121.385	128.852	-7.467
100	C26_Biased	120.362	142.575	-22.213
100	C31_Biased	118.893	131.390	-12.497
100	A107_Unbiased	131.363	138.053	-6.690
100	A108_Unbiased	133.572	137.659	-4.087
100	A109_Unbiased	137.836	132.398	5.438
100	A110_Unbiased	130.800	137.204	-6.404
100	A111_Unbiased	128.785	135.070	-6.285
100	A112_Unbiased	124.927	136.557	-11.630
100	A113_Unbiased	125.208	134.432	-9.224
100	B27_Unbiased	122.702	125.308	-2.606
100	B29_Unbiased	120.362	125.791	-5.429
100	B30_Unbiased	121.676	129.369	-7.693
100	B31_Unbiased	120.926	128.372	-7.446
100	B32_Unbiased	157.869	128.408	29.461
100	B33_Unbiased	122.297	127.266	-4.969
100	B34_Unbiased	158.776	129.552	29.224
100	B35_Unbiased	122.469	125.232	-2.763
100	C32_Unbiased	122.171	136.688	-14.517
100	C33_Unbiased	120.893	128.285	-7.392
100	C34_Unbiased	121.304	128.748	-7.444
100	C35_Unbiased	122.442	132.322	-9.880
100	C36_Unbiased	119.987	137.409	-17.422
100	C37_Unbiased	122.654	137.042	-14.388
100	C38_Unbiased	120.788	130.483	-9.695
	Max	169.048	169.766	29.461
	Average	126.091	135.286	-9.194
	Min	118.893	118.043	-47.952
	Std Dev	9.555	13.867	14.860

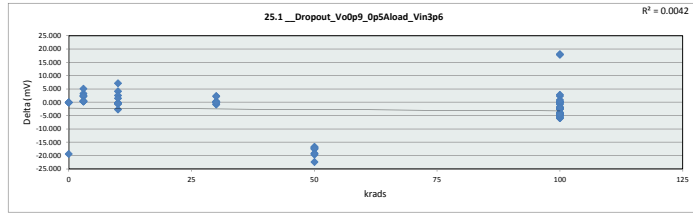


25.0_Dropout_VoOp9_1Aload						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	128.917	118.043	123.172	125.626	162.321	125.232
Average	154.979	121.943	126.044	126.954	165.483	133.211
Max	169.048	127.824	129.980	127.845	169.766	142.926
UL	300.000	300.000	300.000	300.000	300.000	300.000

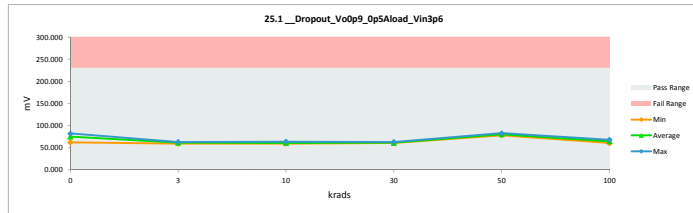


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25.1_Dropout_VoOp9_0p5Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	70.960	70.960	0.000
3	A79_Biased	62.985	59.664	3.321
3	A80_Unbiased	66.569	61.450	5.119
3	B1_Biased	62.058	61.762	0.296
3	B2_Biased	62.852	60.647	2.205
3	C1_Biased	63.176	62.699	0.477
3	A82_Unbiased	63.918	61.313	2.605
3	A83_Unbiased	65.641	63.247	2.394
3	B4_Unbiased	62.789	62.264	0.525
3	B5_Unbiased	63.276	62.945	0.331
3	C2_Unbiased	61.529	61.144	0.385
10	A85_Biased	64.175	60.037	4.138
10	A86_Biased	67.483	60.917	6.566
10	B6_Biased	61.284	64.012	-2.728
10	C3_Biased	62.415	62.748	-0.333
10	C4_Biased	61.435	61.691	-0.256
10	A87_Unbiased	59.405	59.657	-0.252
10	A88_Unbiased	63.862	61.220	2.642
10	B7_Unbiased	60.209	60.881	-0.672
10	C5_Unbiased	61.718	62.173	-0.455
10	C6_Unbiased	61.691	60.175	1.516
0	106_Corr	82.732	82.732	0.000
30	A89_Biased	61.331	61.009	0.322
30	B8_Biased	61.428	61.087	0.341
30	B9_Biased	60.583	61.390	-0.807
30	C7_Biased	60.336	61.058	-0.722
30	C9_Biased	63.263	60.921	2.342
30	A90_Unbiased	61.824	61.765	0.059
30	B10_Unbiased	61.200	61.401	-0.201
30	B11_Unbiased	62.258	62.341	-0.083
30	C11_Unbiased	62.877	60.684	2.193
30	C12_Unbiased	63.122	63.140	-0.018
0	106_Corr	82.531	82.531	0.000
0	15B_Corr	79.398	79.398	0.000
50	A92_Biased	61.772	78.951	-17.179
50	A93_Biased	62.052	79.563	-17.511
50	B12_Biased	63.781	80.535	-16.754
50	B13_Biased	63.642	83.299	-19.657
50	C14_Biased	63.141	79.908	-16.767
50	A95_Unbiased	62.434	79.373	-16.939
50	A96_Unbiased	62.763	81.957	-19.194
50	B15_Unbiased	61.146	78.658	-17.512
50	B16_Unbiased	60.558	82.882	-22.324
50	C15_Unbiased	61.352	80.656	-19.304
0	106_Corr	82.732	82.732	-19.378
100	A97_Biased	61.096	65.391	-4.295
100	A99_Biased	64.941	66.933	-1.992
100	A100_Biased	63.056	67.439	-4.383
100	A101_Biased	62.285	64.309	-2.024
100	A102_Biased	61.935	63.922	-1.987
100	A104_Biased	62.688	68.561	-5.873
100	A105_Biased	61.961	66.159	-4.198
100	B17_Biased	62.660	66.776	-4.116
100	B18_Biased	59.748	65.252	-5.504
100	B19_Biased	61.549	66.160	-4.611
100	B20_Biased	62.394	64.513	-2.119
100	B21_Biased	62.053	66.581	-4.528
100	B24_Biased	61.588	63.694	-2.106
100	B25_Biased	60.637	63.164	-2.527
100	B26_Biased	63.313	60.903	2.410
100	C16_Biased	61.553	63.608	-2.055
100	C17_Biased	62.906	67.070	-4.164
100	C18_Biased	61.674	65.916	-4.242
100	C19_Biased	63.138	67.486	-4.348
100	C25_Biased	60.134	62.700	-2.566
100	C26_Biased	62.464	68.440	-5.976
100	C31_Biased	61.056	63.073	-2.017
100	A107_Unbiased	65.008	64.974	-1.966
100	A108_Unbiased	64.949	66.751	-1.802
100	A109_Unbiased	66.636	63.785	2.851
100	A110_Unbiased	61.666	66.454	-4.788
100	A111_Unbiased	62.652	66.919	-4.257
100	A112_Unbiased	61.610	65.364	-3.754
100	A113_Unbiased	61.887	66.115	-4.228
100	B27_Unbiased	61.732	61.999	-0.267
100	B29_Unbiased	62.430	62.285	0.145
100	B30_Unbiased	63.531	63.227	0.304
100	B31_Unbiased	62.998	62.109	0.889
100	B32_Unbiased	80.381	62.486	17.895
100	B33_Unbiased	61.097	61.307	-0.210
100	B34_Unbiased	81.405	63.299	18.106
100	B35_Unbiased	61.207	62.024	-0.817
100	C32_Unbiased	61.067	65.816	-4.749
100	C33_Unbiased	62.863	62.584	0.279
100	C34_Unbiased	62.975	62.636	0.339
100	C35_Unbiased	61.079	66.331	-5.252
100	C36_Unbiased	62.053	66.482	-4.429
100	C37_Unbiased	61.622	66.099	-4.477
100	C38_Unbiased	62.642	64.652	-2.010
	Max	82.531	83.299	18.106
	Average	63.326	66.922	-2.766
	Min	59.405	59.657	-22.324
	Std Dev	4.202	6.551	7.056



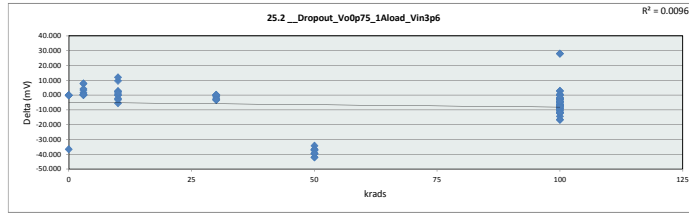
25.1_Dropout_VoOp9_0p5Aload_Vin3p6						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	62.732	59.664	59.657	60.684	78.658	60.903
Average	75.546	61.714	61.291	61.480	80.578	64.860
Max	82.531	63.247	64.012	63.140	83.299	68.561
UL	230.000	230.000	230.000	230.000	230.000	230.000



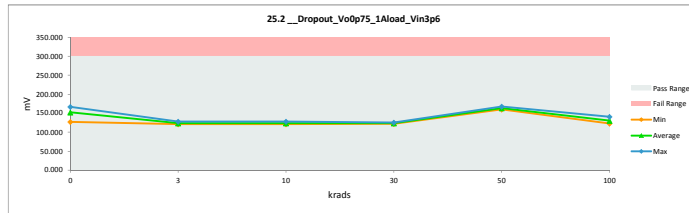
TID 100krad LDR Report TPS7H3301-SP

25.2_Dropout_VoOp75_1Aload			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	300	300	
Min Limit	0	0	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	140.247	140.247	0.000
3	A79_Biased	124.343	121.002	3.341
3	A80_Biased	130.440	122.699	7.741
3	B1_Biased	123.215	122.961	0.254
3	B2_Biased	123.934	122.391	1.543
3	C1_Biased	124.473	124.153	0.320
3	A82_Unbiased	130.566	122.638	7.928
3	A83_Unbiased	132.212	128.011	4.201
3	B4_Unbiased	124.023	123.960	0.063
3	B5_Unbiased	124.396	124.219	0.177
3	C2_Unbiased	123.010	122.894	0.116
10	A85_Biased	131.065	121.460	9.605
10	A86_Biased	136.407	124.481	11.926
10	B6_Biased	122.822	128.224	-5.402
10	C3_Biased	123.980	127.135	-3.155
10	C4_Biased	123.106	125.464	-2.358
10	A87_Unbiased	121.105	121.074	0.031
10	A88_Unbiased	125.330	122.727	2.603
10	B7_Unbiased	124.900	122.467	2.433
10	C5_Unbiased	123.262	123.380	-0.118
10	C6_Unbiased	122.913	121.433	1.480
0	106_Corr	127.022	127.022	0.000
30	A89_Biased	122.678	124.796	-2.118
30	B8_Biased	122.425	125.419	-2.994
30	B9_Biased	121.911	125.220	-3.309
30	C7_Biased	121.665	122.334	-0.669
30	C9_Biased	124.789	124.652	0.137
30	A90_Unbiased	123.217	123.005	0.212
30	B10_Unbiased	122.337	122.548	-0.211
30	B11_Unbiased	123.631	123.468	0.163
30	C11_Unbiased	124.320	124.275	0.045
30	C12_Unbiased	121.302	124.413	-3.111
0	106_Corr	166.812	166.812	0.000
0	15B_Corr	163.309	163.309	0.000
50	A92_Biased	125.897	160.114	-34.217
50	A93_Biased	123.698	160.795	-37.097
50	B12_Biased	128.146	164.742	-36.596
50	B13_Biased	125.229	167.231	-42.002
50	C14_Biased	124.625	164.119	-39.494
50	A95_Unbiased	126.428	163.266	-36.838
50	A96_Unbiased	123.971	163.714	-39.743
50	B15_Unbiased	122.767	159.995	-37.228
50	B16_Unbiased	122.032	163.966	-41.934
50	C15_Unbiased	122.831	162.202	-39.371
0	106_Corr	127.022	127.022	-36.642
100	A97_Biased	122.455	129.330	-6.875
100	A99_Biased	126.474	132.964	-6.490
100	A100_Biased	127.206	136.012	-8.806
100	A101_Biased	123.644	128.303	-4.659
100	A102_Biased	123.221	130.328	-7.107
100	A104_Biased	123.987	140.619	-16.632
100	A105_Biased	126.024	132.547	-6.523
100	B17_Biased	124.146	135.703	-11.557
100	B18_Biased	121.346	131.602	-10.256
100	B19_Biased	122.971	135.076	-12.105
100	B20_Biased	123.821	128.461	-4.640
100	B21_Biased	123.511	132.879	-9.368
100	B24_Biased	122.812	130.570	-7.758
100	B25_Biased	121.753	124.653	-2.920
100	B26_Biased	121.334	124.500	-3.166
100	C16_Biased	123.036	129.849	-6.813
100	C17_Biased	124.076	136.044	-11.968
100	C18_Biased	123.034	132.155	-9.121
100	C19_Biased	124.637	138.981	-14.344
100	C25_Biased	121.440	126.678	-5.238
100	C26_Biased	123.542	140.229	-16.687
100	C31_Biased	122.047	129.515	-7.468
100	A107_Unbiased	129.597	135.872	-6.275
100	A108_Unbiased	131.644	135.588	-3.944
100	A109_Unbiased	133.035	130.256	2.779
100	A110_Unbiased	126.038	132.458	-6.420
100	A111_Unbiased	126.904	132.966	-6.062
100	A112_Unbiased	122.902	134.385	-11.483
100	A113_Unbiased	123.398	131.997	-8.599
100	B27_Unbiased	126.208	123.338	2.870
100	B29_Unbiased	123.904	123.569	0.335
100	B30_Unbiased	125.046	124.496	0.550
100	B31_Unbiased	124.466	126.224	-1.758
100	B32_Unbiased	154.491	126.434	28.057
100	B33_Unbiased	122.584	125.144	-2.560
100	B34_Unbiased	125.476	127.495	-2.019
100	B35_Unbiased	122.762	123.121	-0.359
100	C32_Unbiased	122.268	132.219	-9.951
100	C33_Unbiased	123.935	126.236	-2.301
100	C34_Unbiased	124.535	126.375	-1.840
100	C35_Unbiased	122.341	130.215	-7.874
100	C36_Unbiased	123.385	135.188	-11.803
100	C37_Unbiased	122.745	134.720	-11.975
100	C38_Unbiased	123.997	128.513	-4.516
	Max	166.812	167.231	28.057
	Average	126.314	133.235	-6.921
	Min	121.105	121.002	-42.002
	Std Dev	8.118	13.457	13.810

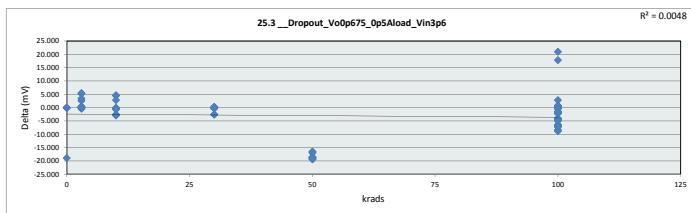


25.2_Dropout_VoOp75_1Aload						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	127.022	121.002	121.074	122.334	159.995	123.121
Average	152.211	123.493	123.785	124.013	163.014	130.768
Max	166.812	128.011	128.224	125.419	167.231	140.619
UL	300.000	300.000	300.000	300.000	300.000	300.000

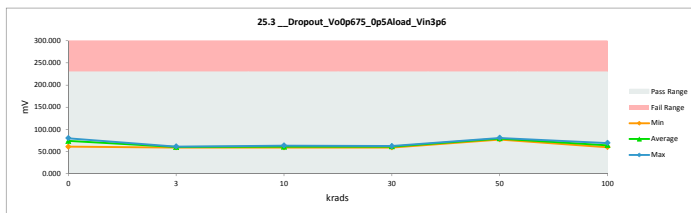


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25.3 Dropout_VoOp675_Op5AI				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	68.733	68.733	0.000
3	A79_Biased	60.387	60.564	-0.177
3	A80_Unbiased	64.451	59.207	5.244
3	B1_Biased	59.720	59.357	0.363
3	B2_Biased	60.745	61.093	-0.348
3	C1_Biased	60.754	60.317	0.437
3	A82_Unbiased	64.697	59.215	5.482
3	A83_Unbiased	63.692	61.988	2.604
3	B4_Unbiased	60.526	60.203	0.323
3	B5_Unbiased	60.739	60.513	0.226
3	C2_Unbiased	62.423	59.030	3.393
10	A85_Biased	64.868	60.292	4.576
10	A86_Biased	65.518	60.870	4.648
10	B6_Biased	58.982	61.884	-2.902
10	C3_Biased	60.546	63.246	-2.700
10	C4_Biased	59.482	62.012	-2.530
10	A87_Unbiased	59.704	60.076	-0.372
10	A88_Unbiased	61.769	58.979	2.790
10	B7_Unbiased	61.192	61.175	0.017
10	C5_Unbiased	59.490	59.769	-0.279
10	C6_Unbiased	59.656	60.264	-0.608
0	106_Corr	60.764	60.764	0.000
30	A89_Biased	61.777	61.405	0.372
30	B8_Biased	59.190	61.696	-2.506
30	B9_Biased	61.420	61.583	-0.163
30	C7_Biased	61.388	61.267	0.121
30	C9_Biased	61.483	61.999	-0.516
30	A90_Unbiased	59.557	62.115	-2.558
30	B10_Unbiased	58.832	59.058	-0.226
30	B11_Unbiased	60.070	59.933	0.137
30	C11_Unbiased	60.478	60.432	0.046
30	C12_Unbiased	60.980	60.879	0.101
0	106_Corr	79.916	79.916	0.000
0	15B_Corr	79.221	79.221	0.000
50	A92_Biased	62.355	78.848	-16.493
50	A93_Biased	60.020	67.002	-7.002
50	B12_Biased	61.555	80.529	-18.974
50	B13_Biased	61.579	80.498	-18.919
50	C14_Biased	60.736	79.937	-19.201
50	A95_Unbiased	63.110	79.663	-16.553
50	A96_Unbiased	60.831	79.398	-18.567
50	B15_Unbiased	59.034	78.449	-19.415
50	B16_Unbiased	61.491	80.036	-18.545
50	C15_Unbiased	59.225	77.993	-18.768
0	106_Corr	60.764	79.708	-18.944
100	A97_Biased	59.015	63.045	-4.030
100	A99_Biased	62.872	64.534	-1.662
100	A100_Biased	63.420	65.253	-1.833
100	A101_Biased	60.315	62.129	-1.814
100	A102_Biased	59.402	63.954	-4.352
100	A104_Biased	60.619	68.890	-8.271
100	A105_Biased	59.830	63.994	-4.164
100	B17_Biased	60.478	66.944	-6.466
100	B18_Biased	61.145	65.519	-4.374
100	B19_Biased	59.421	66.495	-7.074
100	B20_Biased	60.261	62.321	-2.060
100	B21_Biased	59.945	64.504	-4.559
100	B24_Biased	59.617	64.248	-4.631
100	B25_Biased	61.349	61.086	0.263
100	B26_Biased	60.837	61.212	-0.375
100	C16_Biased	59.368	63.834	-4.466
100	C17_Biased	60.469	66.985	-6.516
100	C18_Biased	59.484	63.989	-4.099
100	C19_Biased	61.036	67.714	-6.678
100	C25_Biased	61.119	60.345	0.774
100	C26_Biased	60.055	68.855	-8.800
100	C31_Biased	61.570	63.467	-1.797
100	A107_Unbiased	63.295	64.741	-1.446
100	A108_Unbiased	65.441	66.882	-1.441
100	A109_Unbiased	64.596	64.061	0.535
100	A110_Unbiased	62.255	64.094	-1.839
100	A111_Unbiased	63.033	64.749	-1.715
100	A112_Unbiased	59.285	65.857	-6.572
100	A113_Unbiased	59.614	63.803	-4.189
100	B27_Unbiased	62.688	59.851	2.837
100	B29_Unbiased	60.390	60.166	0.224
100	B30_Unbiased	61.453	60.758	0.695
100	B31_Unbiased	60.791	62.474	-1.683
100	B32_Unbiased	81.025	60.050	20.975
100	B33_Unbiased	62.331	61.603	0.728
100	B34_Unbiased	59.822	61.060	-1.238
100	B35_Unbiased	59.329	59.616	-0.287
100	C32_Unbiased	58.831	65.939	-7.108
100	C33_Unbiased	60.800	62.788	-1.988
100	C34_Unbiased	60.830	63.017	-2.187
100	C35_Unbiased	58.919	63.978	-4.959
100	C36_Unbiased	59.761	66.635	-6.874
100	C37_Unbiased	59.422	66.406	-6.984
100	C38_Unbiased	60.604	62.560	-1.956
	Max	81.025	80.529	20.975
	Average	61.904	65.051	-3.147
	Min	58.831	58.979	-19.415
	Std Dev	4.283	6.421	7.151

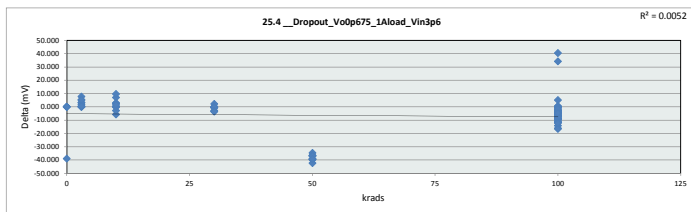


25.3 Dropout_VoOp675_Op5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	230					
Min Limit	0					
Unit	mV					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	60.764	59.030	58.979	59.058	77.022	59.616
Average	73.668	60.059	60.857	60.977	79.237	63.861
Max	79.916	61.093	63.246	62.115	80.529	68.890
UL	230.000	230.000	230.000	230.000	230.000	230.000

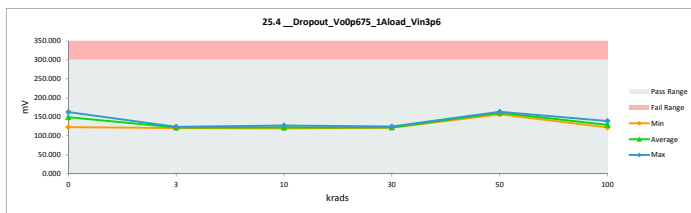


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25.4 Dropout_Vo0p675_1Alcoa				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
kRads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	139.190	139.190	0.000
3	A79_Biased	123.187	120.102	3.085
3	A80_Unbiased	129.336	121.618	7.718
3	B1_Biased	121.879	121.933	-0.054
3	B2_Biased	122.836	121.196	1.640
3	C1_Biased	123.252	119.969	3.283
3	A82_Unbiased	127.151	121.700	5.451
3	A83_Unbiased	128.781	123.635	5.146
3	B4_Unbiased	122.912	122.898	0.014
3	B5_Unbiased	123.224	123.211	0.013
3	C2_Unbiased	121.897	121.407	0.490
10	A85_Biased	127.501	120.363	7.138
10	A86_Biased	122.722	123.131	-0.409
10	B6_Biased	121.339	127.071	-5.732
10	C3_Biased	123.036	125.796	-2.760
10	C4_Biased	121.874	121.749	0.125
10	A87_Unbiased	119.944	119.698	0.246
10	A88_Unbiased	124.298	121.401	2.897
10	B7_Unbiased	123.704	121.031	2.673
10	C5_Unbiased	122.113	122.209	-0.096
10	C6_Unbiased	121.681	120.087	1.594
0	106_Corr	123.207	123.207	0.000
30	A89_Biased	121.415	121.378	0.037
30	B8_Biased	121.461	124.414	-2.953
30	B9_Biased	120.658	121.219	-0.561
30	C7_Biased	120.435	121.069	-0.634
30	C9_Biased	123.599	121.376	2.223
30	A90_Unbiased	121.895	121.866	0.029
30	B10_Unbiased	121.083	121.569	-0.486
30	B11_Unbiased	122.350	122.471	-0.121
30	C11_Unbiased	119.080	123.089	-3.409
30	C12_Unbiased	120.041	123.547	-3.506
0	106_Corr	162.743	162.743	0.000
0	15B_Corr	159.399	159.399	0.000
50	A92_Biased	122.108	158.926	-36.818
50	A93_Biased	122.313	156.956	-34.643
50	B12_Biased	123.869	160.603	-36.734
50	B13_Biased	123.827	163.312	-39.485
50	C14_Biased	123.347	163.078	-39.731
50	A95_Unbiased	125.372	161.871	-36.499
50	A96_Unbiased	123.061	162.317	-39.256
50	B15_Unbiased	121.510	158.576	-37.066
50	B16_Unbiased	120.665	163.106	-42.441
50	C15_Unbiased	121.723	160.837	-39.114
0	106_Corr	123.207	123.207	-0.000
100	A97_Biased	121.303	128.279	-6.976
100	A99_Biased	125.406	131.566	-6.160
100	A100_Biased	125.983	134.591	-8.608
100	A101_Biased	122.883	127.061	-4.178
100	A102_Biased	122.220	128.879	-6.659
100	A104_Biased	123.184	139.301	-16.117
100	A105_Biased	122.218	131.350	-9.132
100	B17_Biased	122.997	134.559	-11.562
100	B18_Biased	123.349	130.709	-7.359
100	B19_Biased	121.859	131.619	-9.760
100	B20_Biased	122.650	127.382	-4.732
100	B21_Biased	122.357	131.706	-9.349
100	B24_Biased	122.061	129.322	-7.261
100	B25_Biased	120.537	123.273	-2.736
100	B26_Biased	120.405	123.278	-2.873
100	C16_Biased	121.693	128.736	-7.043
100	C17_Biased	122.985	134.501	-11.516
100	C18_Biased	122.059	128.648	-6.589
100	C19_Biased	123.604	137.783	-14.179
100	C25_Biased	120.160	125.530	-5.370
100	C26_Biased	122.211	138.758	-16.547
100	C31_Biased	121.257	126.021	-4.764
100	A107_Unbiased	128.328	131.933	-3.605
100	A108_Unbiased	130.278	134.092	-3.814
100	A109_Unbiased	131.809	126.833	4.976
100	A110_Unbiased	124.730	131.115	-6.385
100	A111_Unbiased	125.612	131.829	-6.217
100	A112_Unbiased	121.743	130.395	-8.652
100	A113_Unbiased	119.658	131.191	-11.533
100	B27_Unbiased	121.914	122.077	-0.163
100	B29_Unbiased	122.888	122.322	0.566
100	B30_Unbiased	123.744	123.322	0.422
100	B31_Unbiased	123.233	124.930	-1.697
100	B32_Unbiased	162.810	122.439	40.371
100	B33_Unbiased	121.099	123.779	-2.680
100	B34_Unbiased	126.441	126.282	0.159
100	B35_Unbiased	121.415	121.775	-0.360
100	C32_Unbiased	121.166	130.986	-9.820
100	C33_Unbiased	123.126	124.849	-1.723
100	C34_Unbiased	120.054	125.415	-5.361
100	C35_Unbiased	121.062	128.848	-7.786
100	C36_Unbiased	122.429	133.864	-11.435
100	C37_Unbiased	121.555	133.756	-12.201
100	C38_Unbiased	122.940	127.610	-4.670
	Max	162.810	163.312	40.371
	Average	124.902	131.470	-6.569
	Min	119.658	119.698	-42.441
	Std Dev	8.511	13.242	14.336

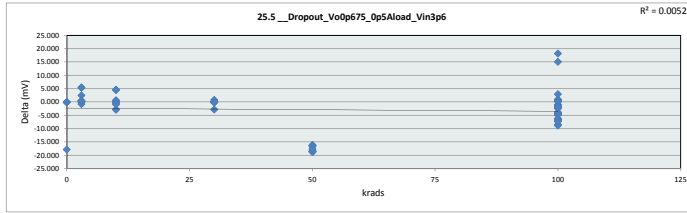


25.4 Dropout_Vo0p675_1Alcoa						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
kRads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	123.207	119.969	119.698	121.069	156.956	121.775
Average	149.318	121.767	122.254	122.200	160.958	129.148
Max	162.743	123.635	127.071	124.414	163.312	139.301
UL	300.000	300.000	300.000	300.000	300.000	300.000

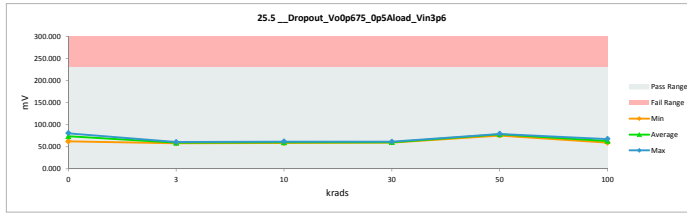


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25.5_Dropout_VoOp675_Op5AI				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	67.401	67.401	0.000
3	A79_Biased	59.515	59.597	-0.082
3	A80_Biased	63.998	58.011	5.987
3	B1_Biased	58.533	58.385	0.148
3	B2_Biased	59.439	60.156	-0.717
3	C1_Biased	59.908	59.576	0.332
3	A82_Unbiased	63.433	57.970	5.463
3	A83_Unbiased	62.571	60.099	2.472
3	B4_Unbiased	59.400	59.012	0.388
3	B5_Unbiased	60.003	59.659	0.344
3	C2_Unbiased	61.459	61.024	0.435
10	A85_Biased	63.795	59.290	4.505
10	A86_Biased	64.518	60.488	4.030
10	B6_Biased	61.317	60.671	0.646
10	C3_Biased	59.249	62.017	-2.768
10	C4_Biased	58.252	61.012	-2.760
10	A87_Unbiased	58.696	58.676	0.020
10	A88_Unbiased	60.675	60.480	0.195
10	B7_Unbiased	60.086	60.462	-0.376
10	C5_Unbiased	58.491	58.758	-0.267
10	C6_Unbiased	58.471	59.311	-0.840
0	106_Corr	62.465	62.465	0.000
30	A89_Biased	60.447	60.426	0.021
30	B8_Biased	61.220	60.444	0.776
30	B9_Biased	60.601	60.442	0.159
30	C7_Biased	60.084	59.979	0.105
30	C9_Biased	60.389	60.250	0.139
30	A90_Unbiased	61.174	61.137	0.037
30	B10_Unbiased	60.791	60.608	0.183
30	B11_Unbiased	58.837	61.677	-2.840
30	C11_Unbiased	59.509	59.190	0.319
30	C12_Unbiased	59.764	59.883	-0.119
0	106_Corr	80.838	80.838	0.000
0	158_Corr	78.255	78.255	0.000
50	A92_Biased	61.329	77.481	-16.152
50	A93_Biased	59.021	75.806	-16.785
50	B12_Biased	60.432	79.110	-18.678
50	B13_Biased	60.611	78.983	-18.372
50	C14_Biased	60.002	78.748	-18.746
50	A95_Unbiased	61.886	78.114	-16.228
50	A96_Unbiased	59.619	78.157	-18.538
50	B15_Unbiased	60.972	77.380	-16.408
50	B16_Unbiased	60.555	79.003	-18.448
50	C15_Unbiased	61.551	79.294	-17.743
0	106_Corr	62.465	62.465	-17.856
100	A97_Biased	60.448	62.099	-1.651
100	A99_Biased	61.772	63.240	-1.468
100	A100_Biased	62.364	66.606	-4.242
100	A101_Biased	59.153	63.478	-4.325
100	A102_Biased	61.290	62.834	-1.544
100	A104_Biased	59.459	67.913	-8.454
100	A105_Biased	61.321	65.401	-4.080
100	B17_Biased	59.540	65.777	-6.237
100	B18_Biased	59.783	64.605	-4.822
100	B19_Biased	58.351	65.394	-7.043
100	B20_Biased	59.358	61.149	-1.791
100	B21_Biased	58.938	63.433	-4.495
100	B24_Biased	61.670	63.107	-1.437
100	B25_Biased	60.482	59.765	0.717
100	B26_Biased	59.956	59.752	0.204
100	C16_Biased	61.353	62.773	-1.420
100	C17_Biased	59.307	65.951	-6.644
100	C18_Biased	61.588	62.582	-0.992
100	C19_Biased	59.989	66.484	-6.495
100	C25_Biased	60.167	61.837	-1.670
100	C26_Biased	58.762	67.555	-8.793
100	C31_Biased	60.854	62.328	-1.474
100	A107_Unbiased	62.239	66.115	-3.876
100	A108_Unbiased	64.576	65.763	-1.187
100	A109_Unbiased	66.030	63.011	3.019
100	A110_Unbiased	61.167	62.620	-1.453
100	A111_Unbiased	61.993	63.730	-1.737
100	A112_Unbiased	58.283	64.561	-6.278
100	A113_Unbiased	58.684	62.638	-3.954
100	B27_Unbiased	61.804	61.176	0.628
100	B29_Unbiased	59.092	61.518	-2.426
100	B30_Unbiased	60.518	59.858	0.660
100	B31_Unbiased	59.722	61.364	-1.642
100	B32_Unbiased	79.966	61.695	18.271
100	B33_Unbiased	61.288	60.377	0.911
100	B34_Unbiased	77.608	62.538	15.067
100	B35_Unbiased	61.236	61.089	0.147
100	C32_Unbiased	60.858	64.876	-4.018
100	C33_Unbiased	59.795	61.428	-1.633
100	C34_Unbiased	59.833	61.778	-1.945
100	C35_Unbiased	67.850	62.503	4.653
100	C36_Unbiased	58.688	65.433	-6.745
100	C37_Unbiased	57.993	65.276	-7.283
100	C38_Unbiased	59.374	63.802	-4.428
	Max	80.838	80.838	18.271
	Average	61.413	64.457	-3.044
	Min	57.850	57.970	-18.746
	Std Dev	4.240	6.319	6.742

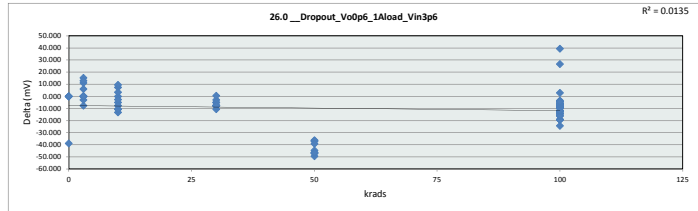


25.5_Dropout_VoOp675_Op5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	62.465	57.970	58.676	59.699	75.806	59.583
Average	73.856	59.349	60.037	60.455	78.208	63.339
Max	80.838	61.024	62.017	61.677	79.294	67.913
UL	230.000	230.000	230.000	230.000	230.000	230.000

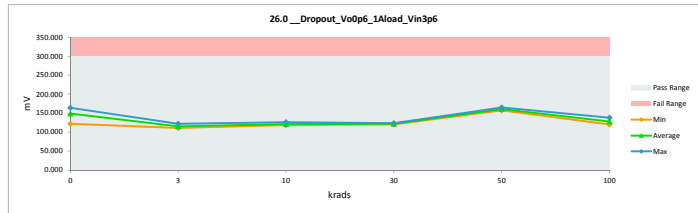


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26_0_Dropout_VoOp6_1Aload				
Test Site	Dallas, Tx		Dallas, Tx	
Tester	ETS		ETS	
Test Number	EF636800		EF636800	
Unit	mV		mV	
Max Limit	300		300	
Min Limit	0		0	
krams	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	138.362	138.362	0.000
3	A79_Biased	122.338	111.281	11.057
3	A80_Biased	128.281	112.933	15.348
3	B1_Biased	113.242	120.879	-7.637
3	B2_Biased	117.330	120.326	-2.996
3	C1_Biased	114.705	114.579	0.126
3	A82_Unbiased	125.997	113.139	12.858
3	A83_Unbiased	127.641	121.718	5.923
3	B4_Unbiased	114.259	114.205	0.054
3	B5_Unbiased	114.454	114.431	0.023
3	C2_Unbiased	113.093	113.092	0.001
10	A85_Biased	126.439	119.087	7.352
10	A86_Biased	131.569	122.071	9.494
10	B6_Biased	112.731	125.898	-13.167
10	C3_Biased	114.055	124.743	-10.688
10	C4_Biased	112.860	123.569	-10.709
10	A87_Unbiased	118.716	118.921	-0.105
10	A88_Unbiased	123.332	120.095	3.237
10	B7_Unbiased	114.869	119.862	-4.993
10	C5_Unbiased	113.312	121.171	-7.859
10	C6_Unbiased	116.270	119.035	-2.765
0	106_Corr	121.992	121.992	0.000
30	A89_Biased	120.101	123.087	-2.986
30	B8_Biased	112.734	123.335	-10.601
30	B9_Biased	115.326	122.977	-7.651
30	C7_Biased	114.981	120.099	-5.118
30	C9_Biased	114.917	122.864	-7.947
30	A90_Unbiased	121.167	120.795	0.372
30	B10_Unbiased	115.528	120.658	-5.130
30	B11_Unbiased	113.798	121.464	-7.666
30	C11_Unbiased	114.308	121.857	-7.549
30	C12_Unbiased	114.560	122.266	-7.706
0	106_Corr	163.896	163.896	0.000
0	15B_Corr	160.809	160.809	0.000
50	A92_Biased	120.927	157.676	-36.749
50	A93_Biased	121.394	158.366	-36.972
50	B12_Biased	115.459	162.176	-46.717
50	B13_Biased	115.298	164.796	-49.498
50	C14_Biased	114.584	161.737	-47.153
50	A95_Unbiased	124.319	160.344	-36.345
50	A96_Unbiased	121.914	161.205	-39.291
50	B15_Unbiased	112.658	157.439	-44.781
50	B16_Unbiased	115.393	161.963	-46.570
50	C15_Unbiased	113.046	159.531	-46.485
0	106_Corr	121.992	160.882	-38.890
100	A97_Biased	120.329	127.064	-6.735
100	A99_Biased	124.253	130.624	-6.371
100	A100_Biased	124.687	133.632	-8.945
100	A101_Biased	121.528	125.833	-4.305
100	A102_Biased	121.231	127.820	-6.589
100	A104_Biased	122.047	138.156	-16.109
100	A105_Biased	123.544	130.180	-6.636
100	B17_Biased	114.125	133.301	-19.176
100	B18_Biased	117.929	129.581	-11.652
100	B19_Biased	116.449	130.300	-13.851
100	B20_Biased	113.983	126.212	-12.229
100	B21_Biased	113.734	128.168	-14.434
100	B24_Biased	116.306	125.628	-9.322
100	B25_Biased	115.219	122.336	-7.117
100	B26_Biased	117.835	122.218	-4.383
100	C16_Biased	113.117	127.635	-14.518
100	C17_Biased	114.098	133.469	-19.371
100	C18_Biased	113.284	127.460	-14.176
100	C19_Biased	114.757	134.084	-19.327
100	C25_Biased	114.831	124.148	-9.317
100	C26_Biased	113.596	138.021	-24.425
100	C31_Biased	112.597	124.786	-12.189
100	A107_Unbiased	127.288	130.773	-3.485
100	A108_Unbiased	126.896	133.247	-6.351
100	A109_Unbiased	130.705	127.897	2.808
100	A110_Unbiased	123.782	130.055	-6.273
100	A111_Unbiased	124.347	130.622	-6.275
100	A112_Unbiased	120.784	129.388	-8.604
100	A113_Unbiased	121.191	129.989	-8.798
100	B27_Unbiased	116.521	120.953	-4.432
100	B29_Unbiased	113.833	121.036	-7.203
100	B30_Unbiased	115.193	122.038	-6.845
100	B31_Unbiased	114.594	123.872	-9.278
100	B32_Unbiased	160.460	121.227	39.233
100	B33_Unbiased	115.880	122.603	-6.723
100	B34_Unbiased	151.674	124.996	26.678
100	B35_Unbiased	116.158	120.744	-4.586
100	C32_Unbiased	115.715	129.875	-14.160
100	C33_Unbiased	114.499	124.068	-9.569
100	C34_Unbiased	114.566	124.283	-9.717
100	C35_Unbiased	115.814	127.669	-11.855
100	C36_Unbiased	113.464	132.788	-19.324
100	C37_Unbiased	116.283	132.575	-16.292
100	C38_Unbiased	114.305	126.315	-12.010
Max		163.896	164.796	39.233
Average		119.982	129.994	-10.013
Min		112.597	111.281	-49.498
Std Dev		10.053	14.012	15.436



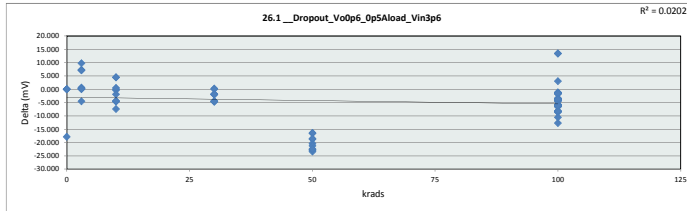
26_0_Dropout_VoOp6_1Aload						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	300		mV			
Min Limit	0		mV			
krams	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	121.992	111.281	118.821	120.099	157.439	120.744
Average	149.188	115.658	121.436	121.940	160.555	127.902
Max	163.896	121.718	125.898	123.335	164.796	138.156
UL	300.000	300.000	300.000	300.000	300.000	300.000



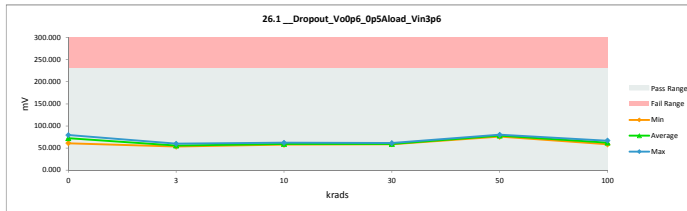
TID 100krad LDR Report
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26.1_Dropout_Vo0p6_Op5Aload			
Test Site	Dallas, Tx	Dallas, Tx	
Testor	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	230	230	
Min Limit	0	0	

kRads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	66.341	66.341	0.000
3	A79_Biased	60.744	53.540	7.204
3	A80_Unbiased	62.127	55.017	7.110
3	B1_Biased	55.273	59.866	-4.593
3	B2_Biased	59.482	58.921	0.561
3	C1_Biased	56.750	56.491	0.259
3	A82_Unbiased	62.316	55.118	7.198
3	A83_Unbiased	63.863	54.097	9.766
3	B4_Unbiased	56.454	56.184	0.270
3	B5_Unbiased	56.654	56.636	0.018
3	C2_Unbiased	55.182	55.074	0.108
10	A85_Biased	62.540	58.057	4.483
10	A86_Biased	65.473	60.999	4.474
10	B6_Biased	54.632	62.101	-7.469
10	C3_Biased	56.203	60.666	-4.463
10	C4_Biased	55.109	59.815	-4.706
10	A87_Unbiased	57.285	57.632	-0.347
10	A88_Unbiased	59.134	59.108	0.026
10	B7_Unbiased	57.062	58.983	-1.921
10	C5_Unbiased	55.574	60.031	-4.457
10	C6_Unbiased	58.366	57.844	0.522
0	106_Corr	60.967	60.967	0.000
30	A89_Biased	59.131	58.945	0.186
30	B8_Biased	54.967	59.362	-4.395
30	B9_Biased	57.348	59.240	-1.892
30	C7_Biased	56.838	58.884	-2.046
30	C9_Biased	57.276	59.014	-1.738
30	A90_Unbiased	59.780	59.830	-0.050
30	B10_Unbiased	57.654	59.566	-1.912
30	B11_Unbiased	55.591	60.226	-4.635
30	C11_Unbiased	56.366	61.115	-4.729
30	C12_Unbiased	56.768	61.362	-4.594
0	106_Corr	79.563	79.563	0.000
0	15B_Corr	76.784	76.784	0.000
50	A92_Biased	59.904	76.308	-16.404
50	A93_Biased	60.311	76.938	-16.627
50	B12_Biased	57.668	78.040	-20.372
50	B13_Biased	57.548	80.303	-22.755
50	C14_Biased	56.612	80.018	-23.406
50	A95_Unbiased	60.704	79.390	-18.686
50	A96_Unbiased	60.958	79.556	-18.598
50	B15_Unbiased	54.729	75.945	-21.216
50	B16_Unbiased	57.418	80.263	-22.845
50	C15_Unbiased	55.299	77.705	-22.406
0	106_Corr	60.967	78.878	-17.911
100	A97_Biased	59.015	63.415	-4.400
100	A99_Biased	60.514	62.026	-1.512
100	A100_Biased	61.183	65.300	-4.117
100	A101_Biased	60.599	62.131	-1.532
100	A102_Biased	59.908	61.494	-1.786
100	A104_Biased	60.904	66.732	-5.828
100	A105_Biased	59.863	64.270	-4.407
100	B17_Biased	56.321	64.898	-8.377
100	B18_Biased	50.504	63.182	-12.678
100	B19_Biased	58.473	64.293	-5.820
100	B20_Biased	56.019	62.514	-6.495
100	B21_Biased	55.819	62.153	-6.334
100	B24_Biased	58.560	61.958	-3.398
100	B25_Biased	57.357	58.697	-1.340
100	B26_Biased	50.448	58.749	-8.301
100	C16_Biased	55.314	61.685	-6.371
100	C17_Biased	56.222	64.924	-8.702
100	C18_Biased	55.528	63.750	-8.222
100	C19_Biased	56.864	65.314	-8.450
100	C25_Biased	56.866	60.733	-3.867
100	C26_Biased	55.682	66.236	-10.554
100	C31_Biased	54.447	61.090	-6.643
100	A107_Unbiased	60.737	64.760	-4.023
100	A108_Unbiased	62.840	64.301	-1.461
100	A109_Unbiased	64.741	61.757	2.984
100	A110_Unbiased	60.081	63.929	-3.848
100	A111_Unbiased	60.843	62.227	-1.384
100	A112_Unbiased	59.638	63.291	-3.653
100	A113_Unbiased	60.151	63.979	-3.828
100	B27_Unbiased	58.550	59.919	-1.369
100	B29_Unbiased	56.196	60.211	-4.015
100	B30_Unbiased	57.270	61.328	-4.058
100	B31_Unbiased	56.436	60.230	-3.794
100	B32_Unbiased	73.831	60.350	13.481
100	B33_Unbiased	58.077	59.268	-1.191
100	B34_Unbiased	64.884	63.526	1.358
100	B35_Unbiased	57.962	59.595	-1.633
100	C32_Unbiased	57.739	63.825	-6.086
100	C33_Unbiased	56.648	60.433	-3.785
100	C34_Unbiased	56.674	60.691	-4.017
100	C35_Unbiased	67.730	61.548	6.182
100	C36_Unbiased	55.719	63.944	-8.225
100	C37_Unbiased	58.200	63.963	-5.763
100	C38_Unbiased	56.551	62.718	-6.167
	Max	79.563	80.303	13.481
	Average	58.940	63.484	-4.544
	Min	50.448	53.540	-23.406
	Std Dev	4.718	6.804	7.438

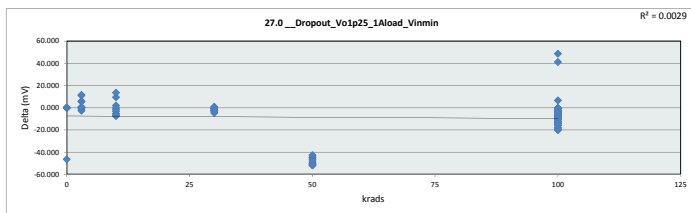


26.1_Dropout_Vo0p6_Op5Aload_Vin3p6						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
kRads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	60.967	53.540	57.632	58.884	75.945	58.697
Average	72.507	56.094	59.524	59.754	78.447	62.485
Max	79.563	59.866	62.101	61.362	80.303	66.732
UL	230.000	230.000	230.000	230.000	230.000	230.000

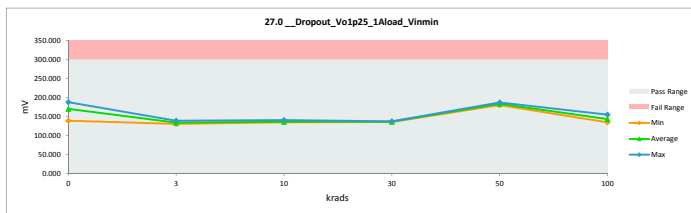


TID 100krad LDR Report TPS7H3301-SP

27.0_Dropout_Vo1p25_1Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
kRads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	155.115	155.115	0.000
3	A79_Biased	136.061	130.449	5.612
3	A80_Biased	143.756	132.393	11.363
3	B1_Biased	132.877	135.471	-2.594
3	B2_Biased	136.709	137.840	-1.131
3	C1_Biased	134.155	133.755	0.400
3	A82_Unbiased	143.496	132.388	11.108
3	A83_Unbiased	144.527	138.784	5.743
3	B4_Unbiased	133.351	133.559	-0.208
3	B5_Unbiased	134.049	133.698	0.351
3	C2_Unbiased	132.675	132.130	0.545
10	A85_Biased	144.524	134.994	9.530
10	A86_Biased	150.873	137.191	13.682
10	B6_Biased	132.133	139.447	-7.314
10	C3_Biased	133.555	140.747	-7.192
10	C4_Biased	132.317	137.566	-5.249
10	A87_Unbiased	134.312	134.544	-0.232
10	A88_Unbiased	137.079	135.246	1.833
10	B7_Unbiased	134.232	135.629	-1.397
10	C5_Unbiased	133.013	136.233	-3.220
10	C6_Unbiased	128.127	134.881	-6.754
0	106_Corr	138.983	138.983	0.000
30	A89_Biased	138.075	137.402	0.673
30	B8_Biased	132.261	136.951	-4.690
30	B9_Biased	134.823	135.739	-0.916
30	C7_Biased	134.349	135.469	-1.120
30	C9_Biased	134.874	135.635	-1.041
30	A90_Unbiased	135.991	135.607	0.384
30	B10_Unbiased	135.054	135.880	-0.826
30	B11_Unbiased	133.209	135.989	-2.780
30	C11_Unbiased	134.098	136.769	-2.671
30	C12_Unbiased	134.083	137.073	-2.990
0	106_Corr	187.877	187.877	0.000
0	15B_Corr	184.028	184.028	0.000
50	A92_Biased	138.054	180.776	-42.722
50	A93_Biased	136.010	181.201	-45.191
50	B12_Biased	134.902	184.725	-49.823
50	B13_Biased	134.818	186.695	-51.877
50	C14_Biased	133.822	184.031	-50.209
50	A95_Unbiased	139.361	183.945	-44.584
50	A96_Unbiased	138.803	185.437	-46.634
50	B15_Unbiased	132.333	180.539	-48.206
50	B16_Unbiased	134.803	186.157	-51.354
50	C15_Unbiased	132.599	184.227	-51.628
0	106_Corr	138.983	138.983	-46.638
100	A97_Biased	135.656	142.659	-7.003
100	A99_Biased	140.071	145.652	-5.581
100	A100_Biased	141.675	149.013	-7.338
100	A101_Biased	136.740	141.571	-4.831
100	A102_Biased	137.895	145.190	-7.295
100	A104_Biased	136.704	155.068	-18.364
100	A105_Biased	138.853	145.768	-6.915
100	B17_Biased	133.364	147.763	-14.399
100	B18_Biased	129.834	143.080	-13.246
100	B19_Biased	135.342	147.885	-12.543
100	B20_Biased	133.402	139.583	-6.181
100	B21_Biased	133.277	143.656	-10.379
100	B24_Biased	135.863	142.010	-6.147
100	B25_Biased	134.492	134.913	-0.421
100	B26_Biased	129.695	135.521	-5.826
100	C16_Biased	132.549	143.237	-10.688
100	C17_Biased	134.054	148.206	-14.152
100	C18_Biased	132.679	144.989	-12.310
100	C19_Biased	134.402	150.400	-15.998
100	C25_Biased	134.306	136.655	-2.349
100	C26_Biased	133.130	153.150	-20.020
100	C31_Biased	132.019	140.651	-8.632
100	A107_Unbiased	142.507	147.761	-5.254
100	A108_Unbiased	144.273	147.622	-3.349
100	A109_Unbiased	147.544	141.041	6.503
100	A110_Unbiased	137.749	145.014	-7.265
100	A111_Unbiased	138.404	145.830	-7.430
100	A112_Unbiased	135.753	146.234	-10.481
100	A113_Unbiased	135.705	145.013	-9.308
100	B27_Unbiased	135.838	136.423	-0.585
100	B29_Unbiased	133.199	136.166	-2.967
100	B30_Unbiased	134.825	136.869	-2.044
100	B31_Unbiased	134.031	137.957	-3.926
100	B32_Unbiased	185.018	136.334	48.684
100	B33_Unbiased	135.470	135.722	-0.252
100	B34_Unbiased	137.250	137.057	0.193
100	B35_Unbiased	135.550	136.226	-0.676
100	C32_Unbiased	127.602	145.531	-17.929
100	C33_Unbiased	133.749	138.052	-4.303
100	C34_Unbiased	134.123	138.447	-4.324
100	C35_Unbiased	127.715	143.658	-15.943
100	C36_Unbiased	132.921	147.136	-14.215
100	C37_Unbiased	127.997	148.056	-20.059
100	C38_Unbiased	133.862	142.033	-8.171
	Max	187.877	187.877	48.684
	Average	137.940	146.625	-8.685
	Min	127.602	130.449	-51.877
	Std Dev	11.009	16.536	17.829

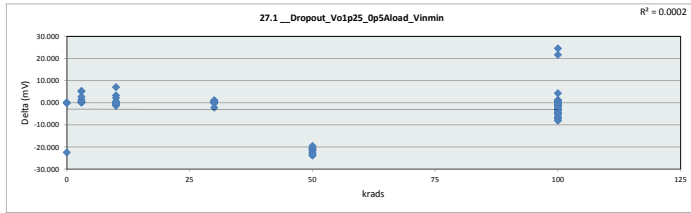


27.0_Dropout_Vo1p25_1Aload						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	300					
Min Limit	0					
kRads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	138.983	130.449	134.544	135.469	180.539	134.913
Average	170.325	134.047	136.648	136.251	183.773	142.973
Max	187.877	138.784	140.747	137.402	186.695	155.068
UL	300.000	300.000	300.000	300.000	300.000	300.000

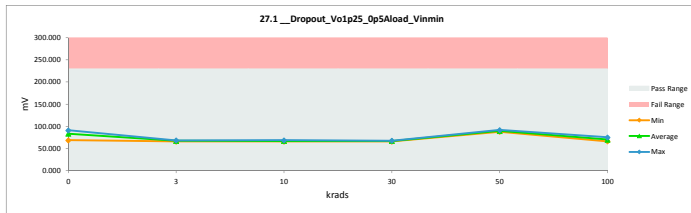


TID 100krad LDR Report
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27.1 Dropout_Vo1p25_Op5Ato				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	76.580	76.580	0.000
3	A79_Biased	67.380	66.759	0.621
3	A80_Biased	70.961	65.705	5.256
3	B1_Biased	68.663	67.252	1.411
3	B2_Biased	67.914	67.526	0.388
3	C1_Biased	67.341	67.241	0.100
3	A82_Unbiased	71.095	65.763	5.332
3	A83_Unbiased	69.916	67.193	2.723
3	B4_Unbiased	67.273	66.926	0.347
3	B5_Unbiased	67.526	67.412	0.114
3	C2_Unbiased	68.421	68.153	0.268
10	A85_Biased	69.865	66.545	3.320
10	A86_Biased	73.881	66.707	7.174
10	B6_Biased	68.086	68.506	-0.420
10	C3_Biased	67.472	68.335	-0.863
10	C4_Biased	66.019	67.238	-1.219
10	A87_Unbiased	65.855	66.150	-0.295
10	A88_Unbiased	68.790	66.554	2.236
10	B7_Unbiased	67.763	67.276	0.487
10	C5_Unbiased	66.422	65.760	0.662
10	C6_Unbiased	66.918	66.649	0.269
0	106_Corr	68.675	68.675	0.000
30	A89_Biased	67.481	67.652	-0.171
30	B8_Biased	68.159	66.916	1.243
30	B9_Biased	68.183	67.576	0.607
30	C7_Biased	65.219	67.301	-2.082
30	C9_Biased	68.047	67.850	0.197
30	A90_Unbiased	67.276	67.178	0.098
30	B10_Unbiased	66.035	65.894	0.141
30	B11_Unbiased	66.617	65.973	0.644
30	C11_Unbiased	67.170	66.716	0.454
30	C12_Unbiased	67.552	66.935	0.617
0	106_Corr	91.191	91.191	0.000
0	158_Corr	89.357	89.357	0.000
50	A92_Biased	67.484	88.275	-20.791
50	A93_Biased	67.438	88.922	-20.954
50	B12_Biased	68.502	89.785	-21.283
50	B13_Biased	68.168	91.958	-23.790
50	C14_Biased	67.574	89.241	-21.667
50	A95_Unbiased	68.968	89.230	-20.242
50	A96_Unbiased	68.425	90.882	-22.457
50	B15_Unbiased	68.384	87.794	-19.410
50	B16_Unbiased	68.324	91.472	-23.148
50	C15_Unbiased	66.076	89.446	-23.370
0	106_Corr	68.675	91.058	-22.383
100	A97_Biased	67.076	68.382	-1.306
100	A99_Biased	68.180	71.159	-2.979
100	A100_Biased	69.307	72.193	-2.886
100	A101_Biased	68.159	68.868	-0.709
100	A102_Biased	67.229	70.558	-3.329
100	A104_Biased	67.851	74.992	-7.141
100	A105_Biased	68.210	71.209	-2.999
100	B17_Biased	66.818	73.325	-6.507
100	B18_Biased	68.220	70.999	-2.679
100	B19_Biased	66.543	71.233	-4.690
100	B20_Biased	66.415	69.306	-2.891
100	B21_Biased	66.577	71.020	-4.443
100	B24_Biased	67.076	69.726	-2.650
100	B25_Biased	67.955	67.077	0.878
100	B26_Biased	68.084	67.434	0.650
100	C16_Biased	66.183	70.747	-4.564
100	C17_Biased	67.291	71.558	-4.267
100	C18_Biased	68.828	70.388	-1.560
100	C19_Biased	67.880	74.424	-6.544
100	C25_Biased	67.832	66.549	1.283
100	C26_Biased	66.773	74.818	-8.045
100	C31_Biased	67.864	68.168	-0.304
100	A107_Unbiased	69.987	71.341	-1.354
100	A108_Unbiased	71.818	73.352	-1.534
100	A109_Unbiased	72.874	68.560	4.314
100	A110_Unbiased	67.265	70.565	-3.300
100	A111_Unbiased	68.093	71.459	-3.366
100	A112_Unbiased	66.897	72.016	-5.119
100	A113_Unbiased	67.213	70.462	-3.249
100	B27_Unbiased	66.922	66.212	0.710
100	B29_Unbiased	66.719	66.035	0.684
100	B30_Unbiased	67.956	67.052	0.904
100	B31_Unbiased	67.264	68.038	-0.774
100	B32_Unbiased	90.626	66.101	24.525
100	B33_Unbiased	66.057	67.591	-1.534
100	B34_Unbiased	89.195	67.523	21.672
100	B35_Unbiased	66.480	66.181	0.299
100	C32_Unbiased	66.282	71.158	-4.876
100	C33_Unbiased	67.270	67.957	-0.687
100	C34_Unbiased	67.769	68.391	-0.622
100	C35_Unbiased	66.444	69.266	-2.822
100	C36_Unbiased	66.560	73.034	-6.474
100	C37_Unbiased	66.727	71.511	-4.784
100	C38_Unbiased	67.101	69.661	-2.560
	Max	91.191	91.958	24.525
	Average	68.910	71.910	-3.000
	Min	65.219	65.705	-23.790
	Std Dev	4.926	7.841	8.386

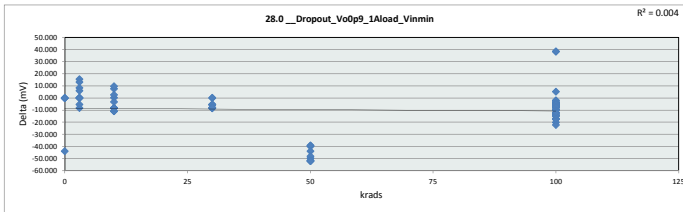


27.1 Dropout_Vo1p25_Op5A						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	68.675	65.705	65.760	65.894	87.794	66.035
Average	83.372	66.993	66.972	66.949	89.648	69.943
Max	91.191	68.153	68.506	67.652	91.958	74.992
UL	230.000	230.000	230.000	230.000	230.000	230.000

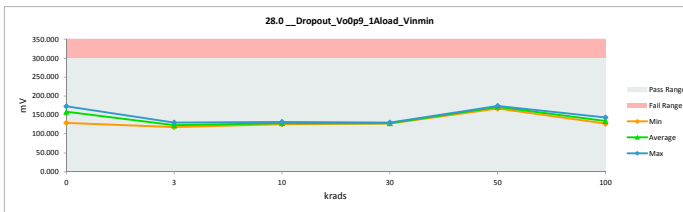


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28.0_Dropout_VoOp9_1Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
kRads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	145.268	145.268	0.000
3	A79_Biased	126.546	118.118	8.428
3	A80_Biased	135.323	119.793	15.530
3	B1_Biased	119.949	128.327	-8.378
3	B2_Biased	124.269	129.531	-5.262
3	C1_Biased	121.277	121.238	0.039
3	A82_Unbiased	133.281	120.102	13.179
3	A83_Unbiased	134.326	128.303	6.023
3	B4_Unbiased	120.904	120.999	-0.095
3	B5_Unbiased	121.475	121.303	0.172
3	C2_Unbiased	119.944	119.644	0.300
10	A85_Biased	133.542	125.991	7.551
10	A86_Biased	129.044	129.303	-9.761
10	B6_Biased	119.355	130.180	-10.825
10	C3_Biased	121.046	131.915	-10.869
10	C4_Biased	119.625	127.832	-8.207
10	A87_Unbiased	125.000	125.698	-0.102
10	A88_Unbiased	130.258	127.632	2.626
10	B7_Unbiased	121.538	129.883	-8.345
10	C5_Unbiased	120.175	128.366	-8.191
10	C6_Unbiased	122.962	126.161	-3.199
0	106_Corr	129.307	129.307	0.000
30	A89_Biased	130.152	130.207	-0.055
30	B8_Biased	119.276	127.704	-8.428
30	B9_Biased	122.128	127.523	-5.395
30	C7_Biased	121.771	127.404	-5.633
30	C9_Biased	121.652	127.295	-5.643
30	A90_Unbiased	128.140	128.012	0.128
30	B10_Unbiased	122.500	127.770	-5.270
30	B11_Unbiased	120.443	128.542	-8.099
30	C11_Unbiased	121.068	129.318	-8.250
30	C12_Unbiased	121.420	129.334	-7.914
0	106_Corr	173.271	173.271	0.000
0	158_Corr	170.659	170.659	0.000
50	A92_Biased	128.198	167.558	-39.360
50	A93_Biased	128.313	168.233	-39.920
50	B12_Biased	122.084	171.713	-49.629
50	B13_Biased	122.266	174.066	-51.800
50	C14_Biased	121.406	173.548	-52.142
50	A95_Unbiased	131.719	170.854	-39.135
50	A96_Unbiased	129.230	173.089	-43.859
50	B15_Unbiased	119.368	167.392	-48.024
50	B16_Unbiased	122.243	173.730	-51.487
50	C15_Unbiased	119.787	171.793	-52.006
0	106_Corr	129.307	173.232	-43.925
100	A97_Biased	127.223	131.806	-4.583
100	A99_Biased	131.515	135.414	-3.899
100	A100_Biased	132.359	138.360	-6.001
100	A101_Biased	128.891	133.116	-4.225
100	A102_Biased	131.043	134.641	-3.598
100	A104_Biased	128.948	143.114	-14.166
100	A105_Biased	130.992	137.275	-6.283
100	B17_Biased	120.700	138.143	-17.443
100	B18_Biased	124.731	134.289	-9.558
100	B19_Biased	123.132	137.537	-14.405
100	B20_Biased	120.682	130.887	-10.205
100	B21_Biased	120.439	135.379	-14.940
100	B24_Biased	123.446	133.648	-9.632
100	B25_Biased	121.937	126.980	-5.043
100	B26_Biased	124.661	127.028	-2.367
100	C16_Biased	119.850	134.667	-14.817
100	C17_Biased	121.074	138.107	-17.033
100	C18_Biased	120.014	134.347	-14.327
100	C19_Biased	121.652	141.718	-20.066
100	C25_Biased	121.631	129.094	-7.463
100	C26_Biased	120.414	142.798	-22.384
100	C31_Biased	119.152	131.738	-12.586
100	A107_Unbiased	131.814	138.748	-6.934
100	A108_Unbiased	136.293	138.301	-2.008
100	A109_Unbiased	137.707	132.447	5.260
100	A110_Unbiased	130.863	134.792	-3.929
100	A111_Unbiased	128.902	135.440	-6.538
100	A112_Unbiased	127.745	137.027	-9.282
100	A113_Unbiased	128.283	134.619	-6.336
100	B27_Unbiased	123.079	128.450	-5.371
100	B29_Unbiased	120.665	128.665	-8.000
100	B30_Unbiased	121.962	129.487	-7.525
100	B31_Unbiased	120.988	128.632	-7.644
100	B32_Unbiased	167.220	128.713	38.507
100	B33_Unbiased	122.677	127.670	-4.993
100	B34_Unbiased	168.271	129.995	38.276
100	B35_Unbiased	122.759	128.200	-5.441
100	C32_Unbiased	122.192	134.541	-12.349
100	C33_Unbiased	121.077	128.648	-7.571
100	C34_Unbiased	121.905	131.632	-10.127
100	C35_Unbiased	122.556	134.678	-12.122
100	C36_Unbiased	120.206	137.711	-17.505
100	C37_Unbiased	123.129	137.572	-14.443
100	C38_Unbiased	121.294	133.501	-12.207
	Max	173.271	174.066	38.507
	Average	127.048	136.923	-9.875
	Min	119.152	118.118	-52.142
	Std Dev	10.776	15.310	16.795

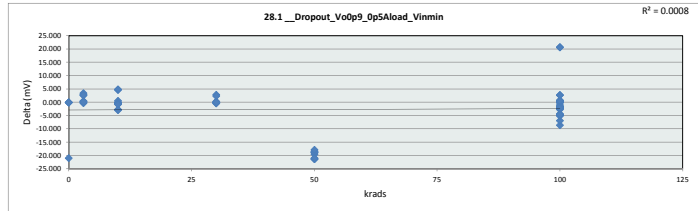


28.0_Dropout_VoOp9_1Aload						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
kRads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	129.307	118.118	125.698	127.295	167.392	126.980
Average	158.347	122.736	128.296	128.311	171.198	133.841
Max	173.271	129.531	131.915	130.207	174.066	143.114
UL	300.000	300.000	300.000	300.000	300.000	300.000

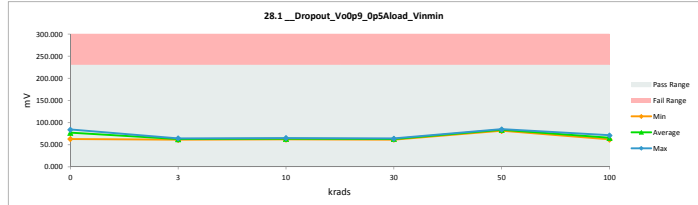


TID 100krad LDR Report
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28.1_Dropout_VoOp9_Op5Aloa				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	71.208	71.208	0.000
3	A79_Biased	62.784	62.971	-0.187
3	A80_Biased	66.828	64.258	2.570
3	B1_Biased	65.189	61.709	3.480
3	B2_Biased	62.951	63.252	-0.301
3	C1_Biased	63.119	62.869	0.250
3	A82_Unbiased	64.564	61.633	2.931
3	A83_Unbiased	66.062	63.323	2.739
3	B4_Unbiased	62.807	62.408	0.399
3	B5_Unbiased	63.261	62.771	0.490
3	C2_Unbiased	64.795	64.729	0.066
10	A85_Biased	67.251	62.622	4.629
10	A86_Biased	67.862	63.004	4.858
10	B6_Biased	64.241	63.714	0.527
10	C3_Biased	62.821	65.485	-2.664
10	C4_Biased	61.363	64.311	-2.948
10	A87_Unbiased	62.151	62.276	-0.125
10	A88_Unbiased	63.615	63.970	-0.355
10	B7_Unbiased	63.324	63.356	-0.032
10	C5_Unbiased	61.682	62.177	-0.495
10	C6_Unbiased	61.921	62.637	-0.716
0	106_Corr	84.136	84.136	0.000
30	A89_Biased	63.858	63.910	-0.052
30	B8_Biased	64.338	64.065	0.273
30	B9_Biased	63.638	64.058	-0.420
30	C7_Biased	63.398	63.431	-0.033
30	C9_Biased	63.580	63.796	-0.196
30	A90_Unbiased	64.612	61.762	2.850
30	B10_Unbiased	64.174	61.825	2.349
30	B11_Unbiased	62.221	62.425	-0.204
30	C11_Unbiased	63.027	63.061	-0.034
30	C12_Unbiased	63.315	63.250	0.065
0	106_Corr	84.376	84.376	0.000
0	158_Corr	84.264	84.264	0.000
50	A92_Biased	64.848	83.534	-18.686
50	A93_Biased	62.136	81.647	-19.511
50	B12_Biased	64.224	82.607	-18.383
50	B13_Biased	64.004	85.162	-21.158
50	C14_Biased	63.205	84.473	-21.268
50	A95_Unbiased	65.258	84.159	-18.901
50	A96_Unbiased	62.882	84.137	-21.255
50	B15_Unbiased	64.381	83.138	-18.757
50	B16_Unbiased	63.858	84.832	-20.974
50	C15_Unbiased	64.860	82.682	-17.822
0	106_Corr	84.136	84.136	-20.967
100	A97_Biased	63.765	65.563	-1.798
100	A99_Biased	65.050	66.862	-1.812
100	A100_Biased	65.781	67.691	-1.910
100	A101_Biased	62.698	64.489	-1.791
100	A102_Biased	64.674	66.573	-1.899
100	A104_Biased	62.806	71.325	-8.519
100	A105_Biased	64.867	66.564	-1.697
100	B17_Biased	62.652	67.153	-4.501
100	B18_Biased	63.083	65.392	-2.309
100	B19_Biased	64.862	66.602	-1.740
100	B20_Biased	62.138	64.806	-2.668
100	B21_Biased	62.161	66.989	-4.828
100	B24_Biased	64.883	64.230	0.653
100	B25_Biased	63.674	63.495	0.179
100	B26_Biased	63.169	63.316	-0.147
100	C16_Biased	64.694	66.544	-1.850
100	C17_Biased	62.562	67.293	-4.731
100	C18_Biased	64.977	66.001	-1.024
100	C19_Biased	63.334	67.919	-4.585
100	C25_Biased	63.362	62.798	0.564
100	C26_Biased	62.036	68.915	-6.879
100	C31_Biased	64.121	63.394	0.727
100	A107_Unbiased	65.754	67.440	-1.686
100	A108_Unbiased	67.747	67.025	0.722
100	A109_Unbiased	66.834	66.581	0.253
100	A110_Unbiased	64.348	66.461	-2.113
100	A111_Unbiased	65.215	67.497	-2.282
100	A112_Unbiased	64.375	65.874	-1.499
100	A113_Unbiased	61.879	66.232	-4.353
100	B27_Unbiased	64.926	62.254	2.672
100	B29_Unbiased	62.514	62.512	0.002
100	B30_Unbiased	63.697	63.728	0.031
100	B31_Unbiased	62.833	62.496	0.337
100	B32_Unbiased	83.305	62.513	20.792
100	B33_Unbiased	64.694	64.194	0.500
100	B34_Unbiased	84.419	63.794	20.625
100	B35_Unbiased	64.724	62.049	2.675
100	C32_Unbiased	64.257	66.098	-1.841
100	C33_Unbiased	63.101	65.035	-1.934
100	C34_Unbiased	63.115	65.425	-2.310
100	C35_Unbiased	61.130	66.155	-5.025
100	C36_Unbiased	62.055	66.600	-4.545
100	C37_Unbiased	64.569	66.476	-1.907
100	C38_Unbiased	62.734	64.865	-2.131
	Max	84.419	85.162	-0.743
	Average	64.833	67.451	-2.618
	Min	61.130	61.633	-0.503
	Std Dev	4.485	7.083	2.598



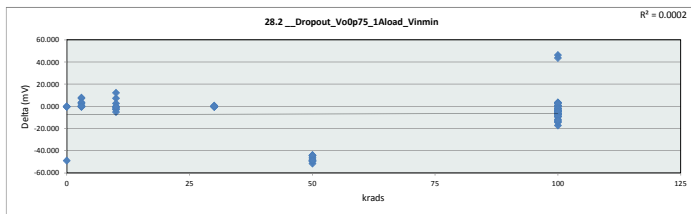
28.1_Dropout_VoOp9_Op5Aloa						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	63.136	61.633	62.177	61.762	81.647	62.049
Average	77.417	62.992	63.355	63.156	83.637	65.560
Max	84.376	64.729	65.485	64.065	85.162	71.325
UL	230.000	230.000	230.000	230.000	230.000	230.000



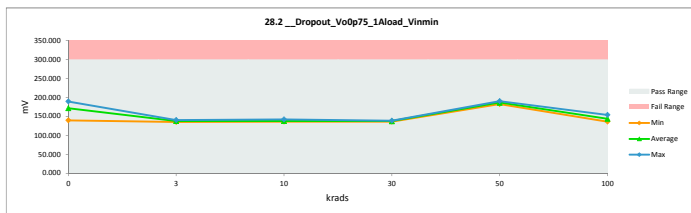
TID 100krad LDR Report
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28.2_Dropout_VoOp75_1Aload			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	mV	mV	
Max Limit	300	300	
Min Limit	0	0	

krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	155.857	155.857	0.000
3	A79_Biased	136.884	137.282	-0.398
3	A80_Biased	145.820	138.524	7.296
3	B1_Biased	138.967	138.405	0.562
3	B2_Biased	140.207	137.616	2.591
3	C1_Biased	137.273	137.010	0.263
3	A82_Unbiased	143.568	135.571	7.997
3	A83_Unbiased	144.544	140.839	3.705
3	B4_Unbiased	139.890	139.821	0.069
3	B5_Unbiased	140.549	137.154	3.395
3	C2_Unbiased	138.882	138.679	0.203
10	A85_Biased	144.073	136.781	7.292
10	A86_Biased	149.482	137.168	12.314
10	B6_Biased	138.443	140.650	-2.207
10	C3_Biased	137.068	142.060	-4.992
10	C4_Biased	135.774	138.438	-2.664
10	A87_Unbiased	136.137	136.313	-0.176
10	A88_Unbiased	137.938	138.011	-0.073
10	B7_Unbiased	140.355	137.607	2.748
10	C5_Unbiased	136.024	136.290	-0.266
10	C6_Unbiased	136.039	136.526	-0.487
0	106_Corr	139.878	139.878	0.000
30	A89_Biased	138.098	137.770	0.328
30	B8_Biased	138.479	138.272	0.207
30	B9_Biased	138.030	137.902	0.128
30	C7_Biased	137.597	137.512	0.085
30	C9_Biased	137.526	137.738	-0.213
30	A90_Unbiased	138.405	138.504	-0.099
30	B10_Unbiased	138.105	138.310	-0.205
30	B11_Unbiased	136.086	136.345	-0.259
30	C11_Unbiased	137.376	136.738	0.638
30	C12_Unbiased	137.319	137.260	0.059
0	106_Corr	189.319	189.319	0.000
0	15B_Corr	185.605	185.605	0.000
50	A92_Biased	138.707	182.914	-44.207
50	A93_Biased	136.111	183.529	-47.418
50	B12_Biased	141.246	187.137	-45.891
50	B13_Biased	141.309	189.940	-48.631
50	C14_Biased	136.947	186.462	-49.515
50	A95_Unbiased	142.147	185.939	-43.792
50	A96_Unbiased	139.645	188.815	-49.170
50	B15_Unbiased	138.491	182.563	-44.072
50	B16_Unbiased	137.934	189.462	-51.528
50	C15_Unbiased	138.672	187.409	-48.737
0	106_Corr	139.878	139.878	-48.746
100	A97_Biased	137.737	142.300	-4.563
100	A99_Biased	141.864	145.617	-3.753
100	A100_Biased	142.621	148.713	-6.092
100	A101_Biased	139.397	143.423	-4.026
100	A102_Biased	138.772	144.894	-6.122
100	A104_Biased	136.662	153.710	-17.048
100	A105_Biased	138.818	147.864	-9.046
100	B17_Biased	139.831	148.622	-8.791
100	B18_Biased	140.393	144.790	-4.397
100	B19_Biased	138.890	147.942	-9.052
100	B20_Biased	139.473	141.262	-1.789
100	B21_Biased	136.299	143.266	-6.967
100	B24_Biased	139.014	143.507	-4.493
100	B25_Biased	137.770	137.227	0.543
100	B26_Biased	137.209	137.450	-0.241
100	C16_Biased	139.018	142.609	-3.591
100	C17_Biased	136.830	148.586	-11.756
100	C18_Biased	138.904	144.885	-5.981
100	C19_Biased	137.572	151.754	-14.182
100	C25_Biased	137.683	139.519	-1.836
100	C26_Biased	139.464	153.195	-13.731
100	C31_Biased	138.139	139.929	-1.790
100	A107_Unbiased	142.345	145.688	-6.343
100	A108_Unbiased	146.637	148.607	-1.970
100	A109_Unbiased	145.878	142.637	3.241
100	A110_Unbiased	138.720	145.324	-6.604
100	A111_Unbiased	139.433	145.777	-6.344
100	A112_Unbiased	138.287	147.208	-8.921
100	A113_Unbiased	136.010	145.147	-9.137
100	B27_Unbiased	139.340	138.638	0.702
100	B29_Unbiased	139.773	136.514	3.259
100	B30_Unbiased	140.887	137.346	3.541
100	B31_Unbiased	139.986	139.033	0.953
100	B32_Unbiased	182.974	136.757	46.217
100	B33_Unbiased	138.742	138.092	0.650
100	B34_Unbiased	183.889	140.252	43.637
100	B35_Unbiased	138.778	136.035	2.743
100	C32_Unbiased	138.421	145.072	-6.651
100	C33_Unbiased	136.975	139.215	-2.240
100	C34_Unbiased	137.580	139.580	-2.000
100	C35_Unbiased	135.456	142.797	-7.341
100	C36_Unbiased	139.058	147.938	-8.880
100	C37_Unbiased	135.579	147.969	-12.390
100	C38_Unbiased	137.003	141.311	-4.308
	Max	189.319	189.940	46.217
	Average	141.357	148.107	-6.750
	Min	135.456	135.571	-51.528
	Std Dev	10.118	16.721	17.587

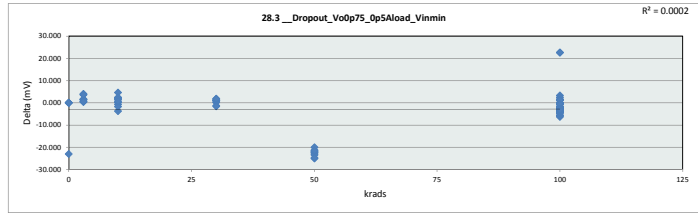


28.2_Dropout_VoOp75_1Aload						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	300 mV					
Min Limit	0 mV					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	139.878	135.571	136.290	136.345	182.563	136.035
Average	171.857	138.090	137.984	137.635	186.417	143.659
Max	189.319	140.839	142.060	138.504	189.940	153.710
UL	300.000	300.000	300.000	300.000	300.000	300.000

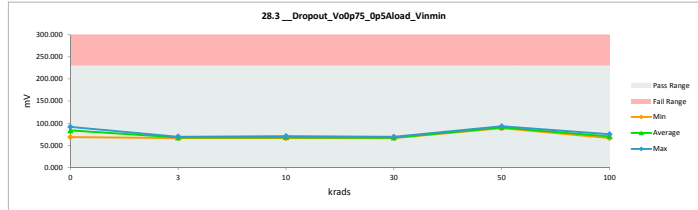


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28.3_Dropout_VoOp75_Op5Ato				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	77.098	77.098	0.000
3	A79_Biased	68.201	66.912	1.289
3	A80_Biased	72.062	68.447	3.615
3	B1_Biased	68.811	67.085	1.726
3	B2_Biased	70.170	68.719	1.451
3	C1_Biased	67.231	66.819	0.412
3	A82_Unbiased	69.932	68.495	1.437
3	A83_Unbiased	71.526	67.499	4.027
3	B4_Unbiased	69.961	69.630	0.331
3	B5_Unbiased	70.387	66.686	3.701
3	C2_Unbiased	69.079	68.607	0.472
10	A85_Biased	70.148	68.054	2.094
10	A86_Biased	73.180	68.584	4.596
10	B6_Biased	68.459	69.236	-0.777
10	C3_Biased	67.086	70.942	-3.856
10	C4_Biased	68.909	67.214	1.695
10	A87_Unbiased	67.740	67.578	0.162
10	A88_Unbiased	69.033	66.654	2.379
10	B7_Unbiased	67.435	69.151	-1.716
10	C5_Unbiased	69.156	67.556	1.600
10	C6_Unbiased	68.901	68.243	0.658
0	106_Corr	68.712	68.712	0.000
30	A89_Biased	69.483	69.314	0.169
30	B8_Biased	68.567	66.690	1.877
30	B9_Biased	67.817	66.792	1.025
30	C7_Biased	67.442	66.400	1.042
30	C9_Biased	67.717	66.630	1.087
30	A90_Unbiased	67.174	66.996	0.178
30	B10_Unbiased	68.121	67.037	1.084
30	B11_Unbiased	69.496	67.787	1.709
30	C11_Unbiased	67.008	68.284	-1.276
30	C12_Unbiased	67.119	68.776	-1.657
0	106_Corr	91.423	91.423	0.000
0	158_Corr	89.477	89.477	0.000
50	A92_Biased	67.477	88.888	-21.411
50	A93_Biased	67.949	89.980	-22.031
50	B12_Biased	68.043	90.608	-22.565
50	B13_Biased	68.040	93.130	-25.090
50	C14_Biased	66.984	90.146	-23.162
50	A95_Unbiased	68.445	90.701	-22.256
50	A96_Unbiased	68.492	92.006	-23.514
50	B15_Unbiased	68.621	88.634	-20.013
50	B16_Unbiased	67.890	92.657	-24.767
50	C15_Unbiased	68.972	90.659	-21.687
0	106_Corr	68.712	91.866	-23.154
100	A97_Biased	66.626	70.671	-4.045
100	A99_Biased	68.042	72.140	-4.098
100	A100_Biased	68.754	72.783	-4.029
100	A101_Biased	68.052	69.763	-1.711
100	A102_Biased	67.613	71.736	-4.123
100	A104_Biased	68.433	74.861	-6.428
100	A105_Biased	67.774	71.432	-3.658
100	B17_Biased	69.902	72.425	-2.523
100	B18_Biased	67.009	70.697	-3.688
100	B19_Biased	68.982	71.798	-2.816
100	B20_Biased	69.545	69.700	-0.155
100	B21_Biased	69.660	69.657	0.003
100	B24_Biased	68.875	69.404	-0.529
100	B25_Biased	67.733	66.504	1.229
100	B26_Biased	67.398	66.285	1.113
100	C16_Biased	69.031	71.597	-2.566
100	C17_Biased	66.573	72.555	-5.982
100	C18_Biased	68.979	71.280	-2.301
100	C19_Biased	67.411	73.073	-5.662
100	C25_Biased	67.529	68.114	-0.585
100	C26_Biased	69.378	74.326	-4.948
100	C31_Biased	68.269	68.299	-0.030
100	A107_Unbiased	70.137	72.654	-1.917
100	A108_Unbiased	70.399	72.123	-1.724
100	A109_Unbiased	72.167	68.919	3.248
100	A110_Unbiased	67.500	71.679	-4.179
100	A111_Unbiased	68.102	72.326	-4.224
100	A112_Unbiased	67.005	71.226	-4.221
100	A113_Unbiased	67.322	71.582	-4.260
100	B27_Unbiased	69.156	67.673	1.483
100	B29_Unbiased	69.961	67.585	2.376
100	B30_Unbiased	67.674	68.489	-0.815
100	B31_Unbiased	67.179	67.730	-0.551
100	B32_Unbiased	90.315	67.715	22.600
100	B33_Unbiased	68.413	66.978	1.435
100	B34_Unbiased	69.442	68.800	22.642
100	B35_Unbiased	68.462	67.386	1.076
100	C32_Unbiased	68.234	71.242	-3.008
100	C33_Unbiased	67.002	67.813	-0.811
100	C34_Unbiased	67.436	68.000	-0.564
100	C35_Unbiased	68.428	71.459	-3.031
100	C36_Unbiased	69.182	71.964	-2.782
100	C37_Unbiased	68.541	71.655	-3.114
100	C38_Unbiased	66.904	70.068	-3.164
	Max	91.442	93.130	22.642
	Average	69.627	72.950	-2.923
	Min	66.573	66.285	-25.090
	Std Dev	4.847	7.897	8.581

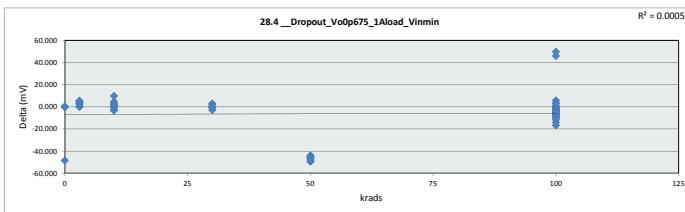


28.3_Dropout_VoOp75_Op5A						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	68.712	66.686	66.654	66.400	88.634	66.285
Average	83.715	67.890	68.322	67.471	90.741	70.322
Max	91.866	69.630	70.942	69.314	93.130	74.861
UL	230.000	230.000	230.000	230.000	230.000	230.000

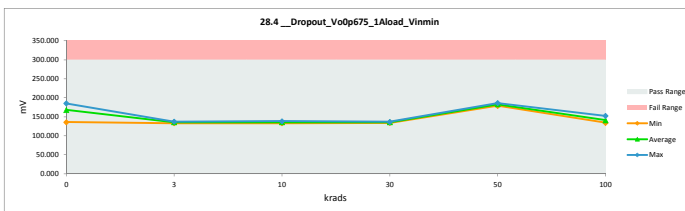


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28.4 _Dropout_VoOp675_1Alcoa				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	152.353	152.353	0.000
3	A79_Biased	135.687	132.662	3.025
3	A80_Biased	142.253	137.397	4.856
3	B1_Biased	137.741	134.774	2.967
3	B2_Biased	138.660	136.305	2.355
3	C1_Biased	136.006	135.731	0.275
3	A82_Unbiased	140.005	134.459	5.546
3	A83_Unbiased	141.089	136.514	4.575
3	B4_Unbiased	138.594	135.474	3.120
3	B5_Unbiased	136.077	135.741	0.336
3	C2_Unbiased	134.399	134.403	-0.004
10	A85_Biased	139.987	135.432	4.555
10	A86_Biased	145.682	135.866	9.816
10	B6_Biased	137.024	136.866	0.158
10	C3_Biased	135.656	138.325	-2.669
10	C4_Biased	134.170	137.522	-3.352
10	A87_Unbiased	134.913	132.654	2.259
10	A88_Unbiased	136.982	134.147	2.835
10	B7_Unbiased	136.152	136.237	-0.085
10	C5_Unbiased	134.648	134.618	0.030
10	C6_Unbiased	134.511	133.187	1.324
0	106_Corr	135.808	135.808	0.000
30	A89_Biased	136.779	136.678	0.101
30	B8_Biased	137.315	136.767	0.548
30	B9_Biased	136.804	134.258	2.546
30	C7_Biased	133.328	133.819	-0.491
30	C9_Biased	134.432	134.103	0.329
30	A90_Unbiased	137.471	134.526	2.945
30	B10_Unbiased	134.053	134.591	-0.538
30	B11_Unbiased	135.154	135.366	-0.212
30	C11_Unbiased	135.625	135.833	-0.208
30	C12_Unbiased	132.943	135.925	-2.982
0	106_Corr	185.164	185.164	0.000
0	15B_Corr	182.204	182.204	0.000
50	A92_Biased	134.839	180.124	-45.285
50	A93_Biased	135.263	179.627	-44.364
50	B12_Biased	136.933	183.454	-46.521
50	B13_Biased	136.698	186.017	-49.319
50	C14_Biased	135.738	182.712	-46.974
50	A95_Unbiased	138.163	182.015	-43.852
50	A96_Unbiased	138.488	183.845	-45.357
50	B15_Unbiased	133.862	178.810	-44.948
50	B16_Unbiased	136.706	185.497	-48.791
50	C15_Unbiased	134.386	183.490	-49.104
0	106_Corr	135.808	134.317	-18.509
100	A97_Biased	134.216	138.422	-4.206
100	A99_Biased	138.097	142.090	-3.993
100	A100_Biased	138.879	147.532	-8.653
100	A101_Biased	137.876	139.835	-1.959
100	A102_Biased	137.514	143.802	-6.288
100	A104_Biased	135.742	152.354	-16.612
100	A105_Biased	137.592	143.985	-6.393
100	B17_Biased	138.603	144.640	-6.037
100	B18_Biased	136.046	140.815	-4.769
100	B19_Biased	134.620	144.364	-9.744
100	B20_Biased	135.255	139.996	-4.741
100	B21_Biased	135.076	141.931	-6.855
100	B24_Biased	137.847	139.520	-1.673
100	B25_Biased	136.522	136.172	0.350
100	B26_Biased	136.156	136.166	-0.010
100	C16_Biased	134.553	141.348	-6.795
100	C17_Biased	135.455	144.748	-9.293
100	C18_Biased	137.866	143.488	-5.622
100	C19_Biased	136.237	147.824	-11.587
100	C25_Biased	133.041	135.601	-2.560
100	C26_Biased	135.171	149.420	-14.249
100	C31_Biased	133.773	138.568	-4.795
100	A107_Unbiased	141.226	144.967	-3.741
100	A108_Unbiased	143.291	144.613	-1.322
100	A109_Unbiased	144.865	139.145	5.720
100	A110_Unbiased	137.572	141.387	-3.815
100	A111_Unbiased	138.234	142.299	-4.065
100	A112_Unbiased	136.958	143.421	-6.463
100	A113_Unbiased	134.869	141.510	-6.641
100	B27_Unbiased	137.962	134.667	3.295
100	B29_Unbiased	135.265	134.875	0.390
100	B30_Unbiased	136.278	136.045	0.233
100	B31_Unbiased	135.805	135.081	0.724
100	B32_Unbiased	184.960	135.174	49.786
100	B33_Unbiased	137.515	134.153	3.362
100	B34_Unbiased	182.406	136.298	46.108
100	B35_Unbiased	137.490	134.607	2.883
100	C32_Unbiased	134.275	141.482	-7.207
100	C33_Unbiased	135.754	137.761	-2.007
100	C34_Unbiased	135.967	137.995	-2.028
100	C35_Unbiased	134.087	141.610	-7.523
100	C36_Unbiased	134.895	143.928	-9.033
100	C37_Unbiased	134.389	144.132	-9.743
100	C38_Unbiased	135.821	139.953	-4.132
	Max	185.164	186.017	49.786
	Average	138.928	145.206	-6.278
	Min	132.943	132.654	-49.319
	Std Dev	10.182	16.256	17.544

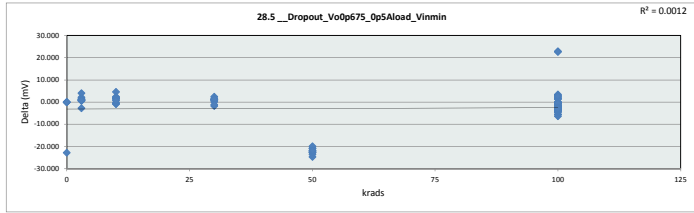


28.4 _Dropout_VoOp675_1Alcoa						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mV					
Max Limit	300					
Min Limit	0					
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	135.808	132.662	132.654	133.819	178.810	134.153
Average	167.969	135.346	135.485	135.187	182.559	140.857
Max	185.164	137.397	138.325	136.767	186.017	152.354
UL	300.000	300.000	300.000	300.000	300.000	300.000

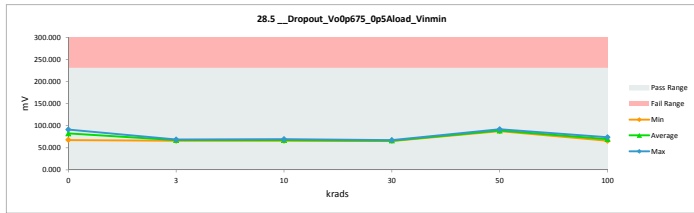


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28.5_Dropout_VoOp675_Op5Al				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	75.903	75.903	0.000
3	A79_Biased	67.008	65.620	1.388
3	A80_Biased	68.385	67.379	1.006
3	B1_Biased	67.867	65.718	2.149
3	B2_Biased	68.852	67.820	1.032
3	C1_Biased	66.085	68.826	-2.741
3	A82_Unbiased	68.499	67.204	1.295
3	A83_Unbiased	70.045	66.113	3.932
3	B4_Unbiased	68.952	68.342	0.610
3	B5_Unbiased	69.386	68.833	0.553
3	C2_Unbiased	67.925	67.103	0.822
10	A85_Biased	68.952	66.976	1.976
10	A86_Biased	71.981	67.464	4.517
10	B6_Biased	67.330	68.309	-0.979
10	C3_Biased	68.903	69.653	-0.750
10	C4_Biased	67.815	66.344	1.471
10	A87_Unbiased	66.339	66.631	-0.292
10	A88_Unbiased	68.140	65.695	2.445
10	B7_Unbiased	69.339	67.947	1.392
10	C5_Unbiased	67.831	66.333	1.498
10	C6_Unbiased	67.761	67.105	0.656
0	106_Corr	67.697	67.697	0.000
30	A89_Biased	68.213	65.792	2.421
30	B8_Biased	67.448	65.763	1.685
30	B9_Biased	66.702	65.793	0.909
30	C7_Biased	66.460	65.476	0.984
30	C9_Biased	66.626	65.542	1.084
30	A90_Unbiased	66.242	66.125	0.117
30	B10_Unbiased	66.883	66.052	0.831
30	B11_Unbiased	68.092	66.841	1.251
30	C11_Unbiased	65.764	67.483	-1.719
30	C12_Unbiased	66.308	67.475	-1.167
0	106_Corr	91.294	91.294	0.000
0	158_Corr	88.456	88.456	0.000
50	A92_Biased	66.725	87.741	-21.016
50	A93_Biased	66.634	88.536	-21.902
50	B12_Biased	66.952	89.482	-22.530
50	B13_Biased	67.004	91.697	-24.693
50	C14_Biased	66.154	88.840	-22.686
50	A95_Unbiased	67.291	88.086	-20.795
50	A96_Unbiased	67.259	90.865	-23.606
50	B15_Unbiased	67.361	87.343	-19.982
50	B16_Unbiased	66.678	89.205	-22.527
50	C15_Unbiased	67.689	89.452	-21.763
0	106_Corr	67.697	67.697	-22.799
100	A97_Biased	65.649	69.574	-3.925
100	A99_Biased	67.056	70.869	-3.813
100	A100_Biased	67.825	71.382	-3.557
100	A101_Biased	66.840	68.137	-1.297
100	A102_Biased	68.890	70.300	-1.410
100	A104_Biased	67.231	73.559	-6.328
100	A105_Biased	66.823	70.278	-3.455
100	B17_Biased	68.910	71.262	-2.352
100	B18_Biased	69.681	69.768	-0.087
100	B19_Biased	67.978	70.476	-2.498
100	B20_Biased	68.493	68.591	-0.098
100	B21_Biased	68.427	70.811	-2.384
100	B24_Biased	67.922	68.295	-0.373
100	B25_Biased	66.880	67.531	-0.651
100	B26_Biased	66.113	67.762	-1.649
100	C16_Biased	67.741	70.103	-2.362
100	C17_Biased	65.764	71.435	-5.671
100	C18_Biased	68.002	70.050	-2.048
100	C19_Biased	66.303	71.805	-5.502
100	C25_Biased	66.349	66.743	-0.394
100	C26_Biased	68.364	73.095	-4.731
100	C31_Biased	67.188	67.219	-0.031
100	A107_Unbiased	69.719	71.321	-1.602
100	A108_Unbiased	69.299	70.911	-1.612
100	A109_Unbiased	70.987	67.620	3.367
100	A110_Unbiased	66.347	70.276	-3.929
100	A111_Unbiased	67.009	71.127	-4.118
100	A112_Unbiased	65.904	69.670	-3.766
100	A113_Unbiased	66.524	70.284	-3.760
100	B27_Unbiased	68.041	66.474	1.567
100	B29_Unbiased	68.676	66.457	2.219
100	B30_Unbiased	66.753	67.500	-0.747
100	B31_Unbiased	69.273	66.439	2.834
100	B32_Unbiased	89.505	66.699	22.806
100	B33_Unbiased	67.527	65.752	1.775
100	B34_Unbiased	69.426	67.588	22.588
100	B35_Unbiased	67.451	66.255	1.196
100	C32_Unbiased	67.065	70.137	-3.072
100	C33_Unbiased	69.280	66.520	2.760
100	C34_Unbiased	66.334	66.872	-0.538
100	C35_Unbiased	67.281	69.936	-2.655
100	C36_Unbiased	68.229	70.544	-2.315
100	C37_Unbiased	67.637	70.313	-2.676
100	C38_Unbiased	65.788	68.775	-2.987
Max	91.294	91.697	22.806	
Average	68.724	71.456	-2.733	
Min	65.649	65.476	-24.693	
Std Dev	4.860	7.729	8.433	

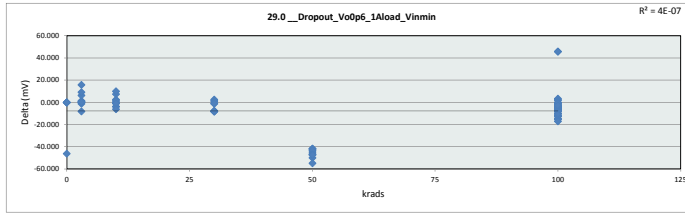


28.5_Dropout_VoOp675_Op5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	67.697	65.620	65.695	65.476	87.343	65.752
Average	82.769	67.296	67.246	66.234	89.125	69.245
Max	91.294	68.833	69.653	67.483	91.697	73.559
UL	230.000	230.000	230.000	230.000	230.000	230.000

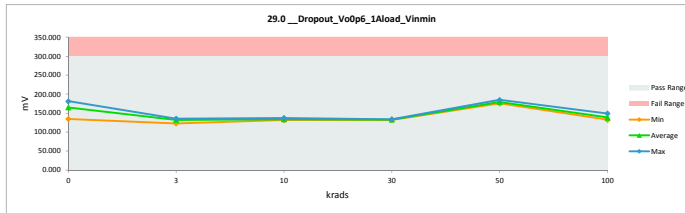


TID 100krad LDR Report
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29.0 Dropout_VoOp6_1Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	300	300		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	148.432	148.432	0.000
3	A79_Biased	132.079	130.761	1.318
3	A80_Unbiased	138.466	132.247	6.219
3	B1_Biased	132.464	133.580	-1.116
3	B2_Biased	127.062	135.196	-8.134
3	C1_Biased	133.943	133.651	0.292
3	A82_Unbiased	138.545	122.754	15.791
3	A83_Unbiased	140.468	131.376	9.092
3	B4_Unbiased	133.599	133.521	0.078
3	B5_Unbiased	134.122	133.763	0.359
3	C2_Unbiased	132.376	132.267	0.109
10	A85_Biased	139.211	131.955	7.256
10	A86_Biased	134.671	134.811	-0.140
10	B6_Biased	131.863	135.659	-3.796
10	C3_Biased	133.481	137.281	-3.800
10	C4_Biased	132.306	133.291	-0.985
10	A87_Unbiased	131.675	131.511	0.164
10	A88_Unbiased	135.368	132.836	2.532
10	B7_Unbiased	134.131	132.688	1.443
10	C5_Unbiased	132.654	133.703	-1.049
10	C6_Unbiased	125.774	131.951	-6.177
0	106_Corr	134.657	134.657	0.000
30	A89_Biased	135.536	132.904	2.632
30	B8_Biased	132.028	133.223	-1.195
30	B9_Biased	134.666	132.951	1.715
30	C7_Biased	124.850	132.466	-7.616
30	C9_Biased	124.676	132.771	-8.095
30	A90_Unbiased	133.531	133.180	0.351
30	B10_Unbiased	125.223	133.308	-8.085
30	B11_Unbiased	133.027	133.906	-0.879
30	C11_Unbiased	124.043	132.287	-8.244
30	C12_Unbiased	124.137	132.224	-8.087
0	106_Corr	181.460	181.460	0.000
0	15B_Corr	178.564	178.564	0.000
50	A92_Biased	133.773	175.712	-41.939
50	A93_Biased	133.931	176.251	-42.320
50	B12_Biased	134.911	179.705	-44.794
50	B13_Biased	134.787	184.630	-49.843
50	C14_Biased	124.382	179.281	-54.899
50	A95_Unbiased	136.884	178.589	-41.705
50	A96_Unbiased	134.678	181.173	-46.495
50	B15_Unbiased	132.063	175.383	-43.320
50	B16_Unbiased	134.782	181.804	-47.022
50	C15_Unbiased	132.353	179.609	-47.256
0	106_Corr	134.657	134.657	-0.000
100	A97_Biased	132.988	137.403	-4.415
100	A99_Biased	137.185	138.582	-1.397
100	A100_Biased	137.711	144.232	-6.521
100	A101_Biased	134.356	138.784	-4.428
100	A102_Biased	136.347	140.383	-4.036
100	A104_Biased	134.607	148.988	-14.381
100	A105_Biased	136.326	140.797	-4.471
100	B17_Biased	133.503	141.246	-7.743
100	B18_Biased	127.406	139.730	-12.324
100	B19_Biased	125.735	140.967	-15.232
100	B20_Biased	133.092	136.289	-3.197
100	B21_Biased	132.835	138.473	-5.638
100	B24_Biased	126.106	138.470	-12.364
100	B25_Biased	134.552	132.411	2.141
100	B26_Biased	127.588	132.743	-5.155
100	C16_Biased	132.406	137.843	-5.437
100	C17_Biased	133.320	141.314	-7.994
100	C18_Biased	132.635	140.126	-7.491
100	C19_Biased	134.127	144.297	-10.170
100	C25_Biased	124.514	134.351	-9.837
100	C26_Biased	133.016	145.592	-12.576
100	C31_Biased	131.874	134.955	-3.081
100	A107_Unbiased	137.294	141.429	-4.135
100	A108_Unbiased	139.724	141.144	-1.420
100	A109_Unbiased	141.162	137.930	3.232
100	A110_Unbiased	133.745	140.418	-6.673
100	A111_Unbiased	134.373	138.654	-4.281
100	A112_Unbiased	133.252	139.863	-6.611
100	A113_Unbiased	133.714	138.139	-4.425
100	B27_Unbiased	135.497	133.653	1.844
100	B29_Unbiased	133.605	133.979	-0.374
100	B30_Unbiased	134.476	134.854	-0.378
100	B31_Unbiased	133.801	133.922	-0.121
100	B32_Unbiased	179.649	134.002	45.647
100	B33_Unbiased	125.900	133.104	-7.204
100	B34_Unbiased	120.535	134.902	45.633
100	B35_Unbiased	125.798	133.245	-7.447
100	C32_Unbiased	125.267	140.254	-14.987
100	C33_Unbiased	133.574	133.883	-0.309
100	C34_Unbiased	124.334	134.317	-9.983
100	C35_Unbiased	125.398	137.895	-12.497
100	C36_Unbiased	132.620	142.982	-10.362
100	C37_Unbiased	125.915	142.973	-17.058
100	C38_Unbiased	133.708	136.482	-2.774
	Max	181.460	184.630	45.647
	Average	134.852	142.542	-7.689
	Min	124.043	122.754	-54.899
	Std Dev	10.900	15.928	17.182

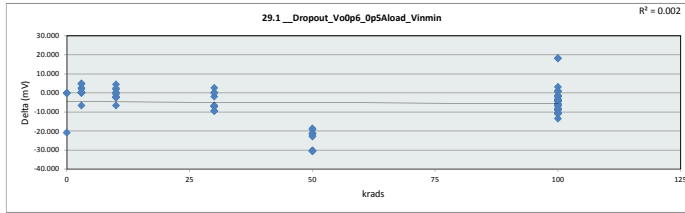


29.0 Dropout_VoOp6_1Aload						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	300	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	134.657	122.754	131.511	132.224	175.383	132.411
Average	164.787	131.922	133.569	132.922	179.214	138.318
Max	181.460	135.196	137.281	133.906	184.630	148.988
UL	300.000	300.000	300.000	300.000	300.000	300.000

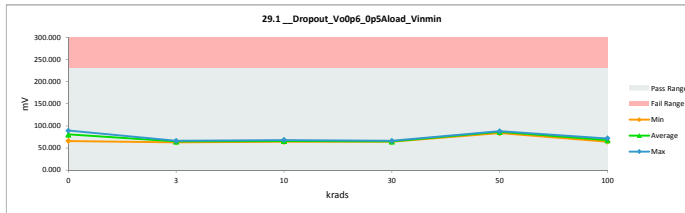


TID 100krad LDR Report
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29.1_Dropout_VoOp6_Op5Aload				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mV	mV		
Max Limit	230	230		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	74.300	74.300	0.000
3	A79_Biased	65.831	63.217	2.614
3	A80_Unbiased	64.602	64.587	5.095
3	B1_Biased	65.028	64.635	0.393
3	B2_Biased	59.729	66.359	-6.630
3	C1_Biased	66.515	66.177	0.338
3	A82_Unbiased	67.392	65.177	2.215
3	A83_Unbiased	68.813	64.061	4.752
3	B4_Unbiased	66.044	66.045	-0.001
3	B5_Unbiased	66.514	66.289	0.225
3	C2_Unbiased	65.221	64.736	0.485
10	A85_Biased	67.592	65.647	1.945
10	A86_Biased	70.745	66.647	4.491
10	B6_Biased	64.371	66.816	-2.445
10	C3_Biased	66.315	68.204	-1.889
10	C4_Biased	64.928	67.264	-2.336
10	A87_Unbiased	64.970	65.432	-0.462
10	A88_Unbiased	65.690	64.756	2.434
10	B7_Unbiased	66.863	66.670	0.193
10	C5_Unbiased	65.164	64.916	0.248
10	C6_Unbiased	58.728	65.366	-6.638
0	106_Corr	66.095	66.095	0.000
30	A89_Biased	66.913	64.166	2.747
30	B8_Biased	64.707	66.633	-1.926
30	B9_Biased	57.610	64.606	-6.996
30	C7_Biased	57.466	64.011	-6.545
30	C9_Biased	57.516	64.487	-6.971
30	A90_Unbiased	64.778	64.776	0.002
30	B10_Unbiased	57.897	64.966	-7.069
30	B11_Unbiased	65.646	65.394	0.252
30	C11_Unbiased	66.563	66.104	-9.441
30	C12_Unbiased	57.040	66.432	-9.392
0	106_Corr	89.644	89.644	0.000
0	158_Corr	86.858	86.858	0.000
50	A92_Biased	64.875	83.586	-18.711
50	A93_Biased	65.302	84.433	-19.131
50	B12_Biased	57.750	88.169	-30.419
50	B13_Biased	57.908	88.220	-30.312
50	C14_Biased	56.952	87.467	-30.515
50	A95_Unbiased	65.944	87.909	-21.965
50	A96_Unbiased	65.956	87.034	-21.078
50	B15_Unbiased	64.569	86.101	-21.532
50	B16_Unbiased	57.740	88.313	-30.573
50	C15_Unbiased	64.798	87.733	-22.935
0	106_Corr	64.095	84.901	-20.806
100	A97_Biased	66.856	65.985	0.871
100	A99_Biased	65.630	67.010	-1.380
100	A100_Biased	66.285	70.288	-4.003
100	A101_Biased	65.546	67.330	-1.784
100	A102_Biased	67.368	68.973	-1.605
100	A104_Biased	66.034	71.570	-5.536
100	A105_Biased	65.389	69.112	-3.723
100	B17_Biased	65.851	69.979	-4.128
100	B18_Biased	59.919	65.249	-5.330
100	B19_Biased	58.519	69.286	-10.767
100	B20_Biased	65.887	67.593	-1.706
100	B21_Biased	65.463	67.184	-1.721
100	B24_Biased	58.669	66.846	-8.177
100	B25_Biased	57.506	66.370	-8.864
100	B26_Biased	60.106	66.595	-6.489
100	C16_Biased	64.975	68.983	-4.008
100	C17_Biased	65.998	69.232	-3.234
100	C18_Biased	65.075	68.952	-3.877
100	C19_Biased	56.970	70.477	-13.507
100	C25_Biased	56.894	65.721	-8.827
100	C26_Biased	65.531	71.879	-6.348
100	C31_Biased	64.437	65.745	-1.308
100	A107_Unbiased	68.455	70.378	-1.923
100	A108_Unbiased	67.995	69.682	-1.687
100	A109_Unbiased	69.725	66.512	3.213
100	A110_Unbiased	65.057	69.239	-4.182
100	A111_Unbiased	65.805	69.980	-4.175
100	A112_Unbiased	67.214	68.751	-1.537
100	A113_Unbiased	65.026	69.174	-4.148
100	B27_Unbiased	58.786	65.196	-6.410
100	B29_Unbiased	65.941	65.061	0.880
100	B30_Unbiased	66.974	66.104	0.870
100	B31_Unbiased	66.253	65.446	0.807
100	B32_Unbiased	83.663	65.306	18.357
100	B33_Unbiased	58.479	64.646	-6.167
100	B34_Unbiased	64.530	66.312	-18.218
100	B35_Unbiased	58.243	64.995	-6.752
100	C32_Unbiased	58.060	68.747	-10.687
100	C33_Unbiased	66.484	65.405	1.079
100	C34_Unbiased	56.969	65.700	-8.731
100	C35_Unbiased	68.083	66.569	-8.486
100	C36_Unbiased	65.411	69.329	-3.918
100	C37_Unbiased	58.307	68.565	-10.258
100	C38_Unbiased	56.600	67.620	-11.020
	Max	89.644	89.644	18.357
	Average	64.644	69.872	-5.208
	Min	56.600	63.217	-30.573
	Std Dev	6.243	7.465	8.993

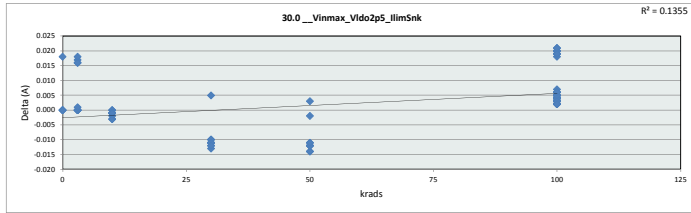


29.1_Dropout_VoOp6_Op5Aload						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	230	mV				
Min Limit	0	mV				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	66.095	63.217	64.256	64.011	83.586	64.646
Average	80.760	65.128	66.083	65.158	86.897	67.777
Max	89.644	66.359	68.204	66.633	88.313	71.879
UL	230.000	230.000	230.000	230.000	230.000	230.000

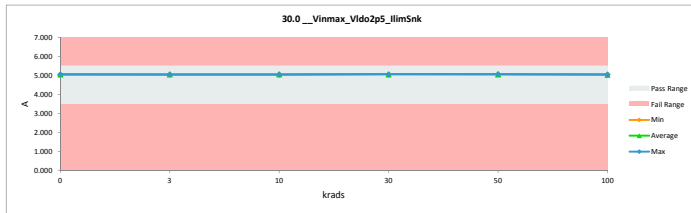


TID 100krad LDR Report
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30.0_Vinmax_Vldo2p5_IlimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.047	5.047	0.000
3	A79_Biased	5.049	5.049	0.000
3	A80_Unbiased	5.048	5.048	0.000
3	B1_Biased	5.048	5.048	0.000
3	B2_Biased	5.064	5.047	0.017
3	C1_Biased	5.063	5.047	0.016
3	A82_Unbiased	5.048	5.048	0.000
3	A83_Unbiased	5.048	5.048	0.000
3	B4_Unbiased	5.064	5.048	0.016
3	B5_Unbiased	5.063	5.045	0.018
3	C2_Unbiased	5.048	5.047	0.001
10	A85_Biased	5.048	5.050	-0.002
10	A86_Biased	5.049	5.050	-0.001
10	B6_Biased	5.048	5.048	0.000
10	C3_Biased	5.047	5.050	-0.003
10	C4_Biased	5.048	5.049	-0.001
10	A87_Unbiased	5.049	5.049	0.000
10	A88_Unbiased	5.048	5.049	-0.001
10	B7_Unbiased	5.047	5.048	-0.001
10	C5_Unbiased	5.049	5.050	-0.001
10	C6_Unbiased	5.048	5.051	-0.003
0	106_Corr	5.059	5.059	0.000
30	A89_Biased	5.050	5.061	-0.011
30	B8_Biased	5.049	5.059	-0.010
30	B9_Biased	5.049	5.060	-0.011
30	C7_Biased	5.048	5.059	-0.011
30	C9_Biased	5.049	5.059	-0.010
30	A90_Unbiased	5.047	5.059	-0.012
30	B10_Unbiased	5.049	5.060	-0.011
30	B11_Unbiased	5.048	5.061	-0.013
30	C11_Unbiased	5.049	5.061	-0.012
30	C12_Unbiased	5.064	5.059	0.005
0	106_Corr	5.059	5.059	0.000
0	15B_Corr	5.060	5.060	0.000
50	A92_Biased	5.048	5.062	-0.014
50	A93_Biased	5.049	5.061	-0.011
50	B12_Biased	5.048	5.062	-0.014
50	B13_Biased	5.049	5.051	-0.002
50	C14_Biased	5.049	5.061	-0.012
50	A95_Unbiased	5.050	5.061	-0.011
50	A96_Unbiased	5.048	5.060	-0.012
50	B15_Unbiased	5.049	5.061	-0.012
50	B16_Unbiased	5.051	5.062	-0.011
50	C15_Unbiased	5.064	5.061	0.003
0	106_Corr	5.059	5.041	0.018
100	A97_Biased	5.049	5.045	0.004
100	A99_Biased	5.048	5.044	0.004
100	A100_Biased	5.049	5.045	0.004
100	A101_Biased	5.049	5.044	0.005
100	A102_Biased	5.047	5.045	0.002
100	A104_Biased	5.047	5.043	0.004
100	A105_Biased	5.048	5.044	0.004
100	B17_Biased	5.048	5.043	0.005
100	B18_Biased	5.049	5.043	0.007
100	B19_Biased	5.047	5.045	0.002
100	B20_Biased	5.047	5.044	0.003
100	B21_Biased	5.048	5.044	0.004
100	B24_Biased	5.064	5.044	0.020
100	B25_Biased	5.048	5.045	0.003
100	B26_Biased	5.062	5.042	0.020
100	C16_Biased	5.063	5.044	0.019
100	C17_Biased	5.047	5.045	0.002
100	C18_Biased	5.064	5.046	0.018
100	C19_Biased	5.047	5.044	0.003
100	C25_Biased	5.064	5.043	0.021
100	C26_Biased	5.047	5.043	0.004
100	C31_Biased	5.049	5.044	0.005
100	A107_Unbiased	5.048	5.042	0.006
100	A108_Unbiased	5.049	5.046	0.003
100	A109_Unbiased	5.049	5.044	0.005
100	A110_Unbiased	5.049	5.044	0.005
100	A111_Unbiased	5.049	5.044	0.005
100	A112_Unbiased	5.049	5.046	0.003
100	A113_Unbiased	5.047	5.045	0.002
100	B27_Unbiased	5.064	5.045	0.019
100	B29_Unbiased	5.047	5.043	0.004
100	B30_Unbiased	5.049	5.043	0.006
100	B31_Unbiased	5.047	5.045	0.002
100	B32_Unbiased	5.049	5.045	0.004
100	B33_Unbiased	5.050	5.044	0.006
100	B34_Unbiased	5.049	5.045	0.004
100	B35_Unbiased	5.048	5.043	0.005
100	C32_Unbiased	5.064	5.045	0.019
100	C33_Unbiased	5.064	5.044	0.020
100	C34_Unbiased	5.064	5.045	0.019
100	C35_Unbiased	5.065	5.044	0.021
100	C36_Unbiased	5.049	5.043	0.006
100	C37_Unbiased	5.048	5.045	0.003
100	C38_Unbiased	5.047	5.045	0.002
	Max	5.065	5.062	0.001
	Average	5.052	5.049	0.002
	Min	5.047	5.041	-0.014
	Std Dev	0.006	0.007	0.009

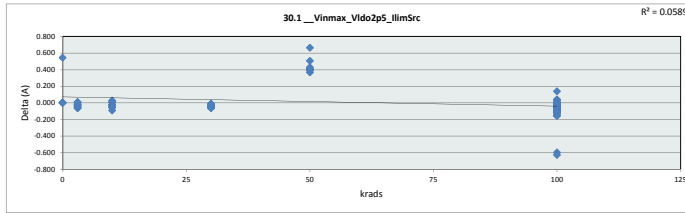


30.0_Vinmax_Vldo2p5_IlimS						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	5.5	A				
Min Limit	3.5	A				
Krads	LL	Min	Average	Max	UL	Pass
0	3.500	5.041	5.053	5.060	5.500	
3	3.500	5.045	5.048	5.049	5.500	
10	3.500	5.048	5.049	5.051	5.500	
30	3.500	5.059	5.060	5.061	5.500	
50	3.500	5.051	5.060	5.062	5.500	
100	3.500	5.042	5.044	5.046	5.500	

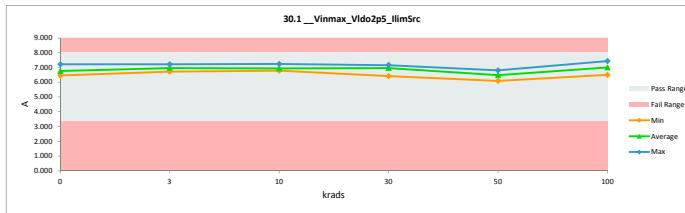


TID 100krad LDR Report
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30.1_Vinmax_Vido2p5_IlimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	8	8		
Min Limit	3.35	3.35		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	6.814	6.814	0.000
3	A79_Biased	7.094	7.126	-0.032
3	A80_Biased	6.653	6.713	-0.060
3	B1_Biased	7.108	7.121	-0.013
3	B2_Biased	6.992	6.984	0.008
3	C1_Biased	6.823	6.842	-0.019
3	A82_Unbiased	7.121	7.186	-0.065
3	A83_Unbiased	6.845	6.897	-0.052
3	B4_Unbiased	6.702	6.743	-0.041
3	B5_Unbiased	6.800	6.831	-0.031
3	C2_Unbiased	7.220	7.211	0.009
10	A85_Biased	6.846	6.902	-0.056
10	A86_Biased	6.762	6.853	-0.091
10	B6_Biased	6.969	6.966	0.003
10	C3_Biased	6.801	6.775	0.026
10	C4_Biased	6.842	6.830	0.012
10	A87_Unbiased	6.908	6.934	-0.026
10	A88_Unbiased	7.201	7.236	-0.035
10	B7_Unbiased	6.864	6.883	-0.019
10	C5_Unbiased	6.733	6.772	-0.039
10	C6_Unbiased	7.100	7.149	-0.049
0	106_Corr	7.222	7.222	0.000
30	A89_Biased	6.360	6.405	-0.045
30	B8_Biased	7.048	7.086	-0.038
30	B9_Biased	6.711	6.752	-0.041
30	C7_Biased	7.085	7.096	-0.011
30	C9_Biased	7.081	7.119	-0.038
30	A90_Unbiased	6.952	7.006	-0.054
30	B10_Unbiased	6.894	6.918	-0.024
30	B11_Unbiased	6.872	6.919	-0.047
30	C11_Unbiased	7.094	7.160	-0.066
30	C12_Unbiased	7.001	7.013	-0.012
0	106_Corr	6.648	6.648	0.000
0	15B_Corr	6.464	6.464	0.000
50	A92_Biased	6.883	6.485	0.398
50	A93_Biased	7.100	6.799	0.391
50	B12_Biased	6.972	6.544	0.428
50	B13_Biased	6.459	6.092	0.367
50	C14_Biased	7.299	6.795	0.504
50	A95_Unbiased	6.939	6.392	0.547
50	A96_Unbiased	6.809	6.409	0.400
50	B15_Unbiased	6.819	6.413	0.406
50	B16_Unbiased	6.901	6.485	0.416
50	C15_Unbiased	6.913	6.249	0.664
0	106_Corr	7.222	6.680	0.542
100	A97_Biased	7.102	7.199	-0.097
100	A99_Biased	6.823	6.903	-0.080
100	A100_Biased	6.962	6.955	0.007
100	A101_Biased	6.805	6.874	-0.069
100	A102_Biased	6.960	6.822	0.138
100	A104_Biased	7.007	6.966	0.041
100	A105_Biased	6.813	6.841	-0.028
100	B17_Biased	6.893	6.913	-0.020
100	B18_Biased	6.665	6.723	-0.058
100	B19_Biased	7.002	7.013	-0.011
100	B20_Biased	6.925	7.031	-0.106
100	B21_Biased	7.017	7.054	-0.037
100	B24_Biased	6.773	6.865	-0.092
100	B25_Biased	6.888	7.021	-0.133
100	B26_Biased	7.067	7.155	-0.088
100	C16_Biased	6.911	6.988	-0.077
100	C17_Biased	7.151	7.166	-0.015
100	C18_Biased	7.223	6.735	0.488
100	C19_Biased	7.058	7.018	0.040
100	C25_Biased	6.885	6.979	-0.094
100	C26_Biased	6.963	6.940	0.023
100	C31_Biased	7.110	7.221	-0.111
100	A107_Unbiased	6.752	6.827	-0.075
100	A108_Unbiased	6.916	6.976	-0.060
100	A109_Unbiased	6.708	6.813	-0.105
100	A110_Unbiased	7.006	7.044	-0.038
100	A111_Unbiased	6.718	6.801	-0.083
100	A112_Unbiased	6.474	6.490	-0.016
100	A113_Unbiased	7.021	7.026	-0.005
100	B27_Unbiased	6.762	6.860	-0.098
100	B29_Unbiased	7.233	7.385	-0.152
100	B30_Unbiased	6.776	6.933	-0.157
100	B31_Unbiased	6.999	7.096	-0.097
100	B32_Unbiased	6.630	7.226	-0.596
100	B33_Unbiased	7.326	7.426	-0.100
100	B34_Unbiased	6.827	7.155	-0.328
100	B35_Unbiased	7.186	7.249	-0.063
100	C32_Unbiased	6.830	6.842	-0.012
100	C33_Unbiased	6.956	7.078	-0.122
100	C34_Unbiased	6.904	7.000	-0.096
100	C35_Unbiased	7.276	7.276	0.000
100	C36_Unbiased	6.898	6.914	-0.016
100	C37_Unbiased	6.462	6.507	-0.045
100	C38_Unbiased	7.134	7.185	-0.051
	Max	7.326	7.426	0.664
	Average	6.909	6.904	0.005
	Min	6.360	6.092	-0.628
	Std Dev	0.202	0.254	0.194

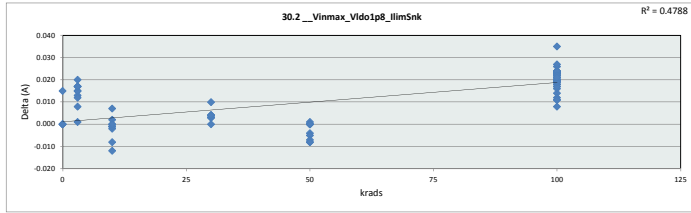


30.1_Vinmax_Vido2p5_IlimSrc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
krads	LL	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	6.464	6.713	6.772	6.405	6.092	6.490
Average	6.766	6.965	6.930	6.947	6.473	6.988
Max	7.222	7.211	7.236	7.160	6.795	7.426
UL	8.000	8.000	8.000	8.000	8.000	8.000

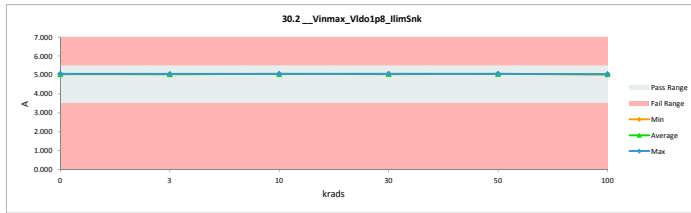


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30.2_Vinmax_Vldo1p8_IlimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.045	5.045	0.000
3	A79_Biased	5.057	5.044	0.013
3	A80_Biased	5.051	5.039	0.012
3	B1_Biased	5.062	5.042	0.020
3	B2_Biased	5.062	5.047	0.015
3	C1_Biased	5.063	5.046	0.017
3	A82_Unbiased	5.057	5.049	0.008
3	A83_Unbiased	5.053	5.052	0.001
3	B4_Unbiased	5.060	5.045	0.015
3	B5_Unbiased	5.059	5.042	0.017
3	C2_Unbiased	5.063	5.046	0.017
10	A85_Biased	5.052	5.064	-0.012
10	A86_Biased	5.064	5.064	-0.008
10	B6_Biased	5.063	5.061	0.002
10	C3_Biased	5.061	5.054	0.007
10	C4_Biased	5.062	5.063	-0.001
10	A87_Unbiased	5.063	5.064	-0.001
10	A88_Unbiased	5.063	5.063	0.000
10	B7_Unbiased	5.057	5.059	-0.002
10	C5_Unbiased	5.063	5.064	-0.001
10	C6_Unbiased	5.064	5.064	0.000
0	106_Corr	5.057	5.057	0.000
30	A89_Biased	5.059	5.049	0.010
30	B8_Biased	5.063	5.059	0.004
30	B9_Biased	5.055	5.055	0.000
30	C7_Biased	5.064	5.061	0.003
30	C9_Biased	5.062	5.059	0.003
30	A90_Unbiased	5.058	5.054	0.004
30	B10_Unbiased	5.063	5.060	0.003
30	B11_Unbiased	5.064	5.064	0.000
30	C11_Unbiased	5.063	5.059	0.004
30	C12_Unbiased	5.063	5.059	0.004
0	106_Corr	5.062	5.062	0.000
0	15B_Corr	5.062	5.062	0.000
50	A92_Biased	5.063	5.063	0.000
50	A93_Biased	5.063	5.063	0.000
50	B12_Biased	5.064	5.063	0.001
50	B13_Biased	5.055	5.059	-0.004
50	C14_Biased	5.064	5.064	0.000
50	A95_Unbiased	5.056	5.064	-0.008
50	A96_Unbiased	5.059	5.064	-0.005
50	B15_Unbiased	5.058	5.065	-0.007
50	B16_Unbiased	5.053	5.061	-0.008
50	C15_Unbiased	5.063	5.063	0.000
0	106_Corr	5.057	5.042	0.015
100	A97_Biased	5.064	5.041	0.023
100	A99_Biased	5.060	5.040	0.020
100	A100_Biased	5.055	5.041	0.014
100	A101_Biased	5.063	5.040	0.023
100	A102_Biased	5.062	5.042	0.020
100	A104_Biased	5.061	5.040	0.021
100	A105_Biased	5.058	5.040	0.018
100	B17_Biased	5.062	5.042	0.020
100	B18_Biased	5.052	5.041	0.011
100	B19_Biased	5.063	5.043	0.020
100	B20_Biased	5.064	5.040	0.024
100	B21_Biased	5.063	5.040	0.023
100	B24_Biased	5.061	5.039	0.022
100	B25_Biased	5.063	5.044	0.019
100	B26_Biased	5.057	5.031	0.026
100	C16_Biased	5.062	5.038	0.024
100	C17_Biased	5.063	5.040	0.023
100	C18_Biased	5.063	5.040	0.023
100	C19_Biased	5.062	5.039	0.023
100	C25_Biased	5.061	5.045	0.016
100	C26_Biased	5.060	5.041	0.019
100	C31_Biased	5.063	5.039	0.024
100	A107_Unbiased	5.064	5.042	0.012
100	A108_Unbiased	5.050	5.042	0.008
100	A109_Unbiased	5.059	5.042	0.017
100	A110_Unbiased	5.063	5.040	0.023
100	A111_Unbiased	5.059	5.041	0.018
100	A112_Unbiased	5.053	5.042	0.011
100	A113_Unbiased	5.063	5.041	0.022
100	B27_Unbiased	5.062	5.041	0.021
100	B29_Unbiased	5.063	5.028	0.035
100	B30_Unbiased	5.060	5.040	0.020
100	B31_Unbiased	5.060	5.038	0.022
100	B32_Unbiased	5.064	5.042	0.022
100	B33_Unbiased	5.061	5.041	0.020
100	B34_Unbiased	5.065	5.038	0.027
100	B35_Unbiased	5.061	5.044	0.017
100	C32_Unbiased	5.063	5.042	0.021
100	C33_Unbiased	5.062	5.039	0.023
100	C34_Unbiased	5.060	5.039	0.021
100	C35_Unbiased	5.059	5.040	0.019
100	C36_Unbiased	5.064	5.040	0.024
100	C37_Unbiased	5.063	5.041	0.022
100	C38_Unbiased	5.062	5.041	0.021
	Max	5.065	5.065	0.035
	Average	5.040	5.048	0.012
	Min	5.045	5.028	-0.012
	Std Dev	0.004	0.010	0.011

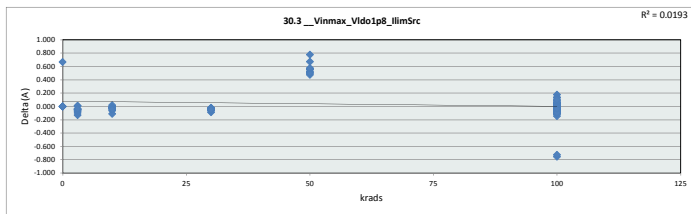


30.2_Vinmax_Vldo1p8_IlimSnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	5.5	A				
Min Limit	3.5	A				
krads	0	3	10	30	50	100
LL	3.500	3.500	3.500	3.500	3.500	3.500
Min	5.042	5.039	5.054	5.049	5.059	5.028
Average	5.054	5.045	5.062	5.058	5.063	5.040
Max	5.062	5.052	5.064	5.061	5.065	5.045
UL	5.500	5.500	5.500	5.500	5.500	5.500

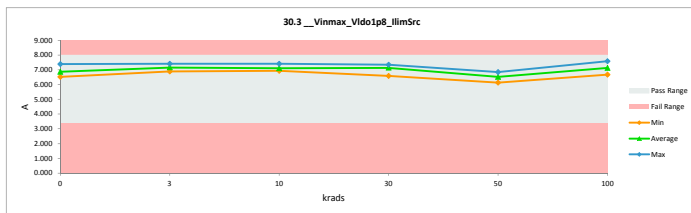


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30.3_Vinmax_Vid0p8_IlimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	8	8		
Min Limit	3.35	3.35		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	6.962	6.962	0.000
3	A79_Biased	7.270	7.311	-0.041
3	A80_Unbiased	6.840	6.889	-0.049
3	B1_Biased	7.304	7.296	0.008
3	B2_Biased	7.123	7.199	-0.076
3	C1_Biased	7.000	7.047	-0.047
3	A82_Unbiased	7.266	7.395	-0.129
3	A83_Unbiased	7.017	7.113	-0.096
3	B4_Unbiased	6.906	6.898	0.008
3	B5_Unbiased	6.966	7.029	-0.063
3	C2_Unbiased	7.382	7.416	-0.034
10	A85_Biased	7.005	7.068	-0.063
10	A86_Biased	6.927	7.039	-0.112
10	B6_Biased	7.169	7.178	-0.009
10	C3_Biased	6.930	6.937	-0.007
10	C4_Biased	7.038	7.021	0.017
10	A87_Unbiased	7.098	7.126	-0.028
10	A88_Unbiased	7.389	7.406	-0.017
10	B7_Unbiased	7.015	7.039	-0.024
10	C5_Unbiased	6.905	6.929	-0.024
10	C6_Unbiased	7.295	7.342	-0.047
0	106_Corr	7.379	7.379	0.000
30	A89_Biased	6.555	6.588	-0.033
30	B8_Biased	7.230	7.256	-0.026
30	B9_Biased	6.892	6.930	-0.038
30	C7_Biased	7.235	7.325	-0.090
30	C9_Biased	7.271	7.337	-0.066
30	A90_Unbiased	7.129	7.181	-0.052
30	B10_Unbiased	7.072	7.130	-0.058
30	B11_Unbiased	7.040	7.069	-0.029
30	C11_Unbiased	7.301	7.320	-0.019
30	C12_Unbiased	7.185	7.233	-0.048
0	106_Corr	6.726	6.726	0.000
0	15B_Corr	6.515	6.515	0.000
50	A92_Biased	7.090	6.563	0.527
50	A93_Biased	6.941	6.711	0.230
50	B12_Biased	7.147	6.587	0.560
50	B13_Biased	6.613	6.139	0.474
50	C14_Biased	7.513	6.841	0.672
50	A95_Unbiased	7.147	6.582	0.565
50	A96_Unbiased	6.965	6.458	0.507
50	B15_Unbiased	6.992	6.495	0.497
50	B16_Unbiased	7.107	6.534	0.573
50	C15_Unbiased	7.091	6.312	0.779
0	106_Corr	7.379	6.713	0.666
100	A97_Biased	7.301	7.323	-0.022
100	A99_Biased	7.019	7.022	-0.003
100	A100_Biased	7.154	7.099	0.055
100	A101_Biased	6.941	6.996	-0.055
100	A102_Biased	7.148	6.974	0.174
100	A104_Biased	7.200	7.061	0.139
100	A105_Biased	7.019	6.988	0.031
100	B17_Biased	7.114	7.070	0.044
100	B18_Biased	6.848	6.865	-0.017
100	B19_Biased	7.191	7.173	0.018
100	B20_Biased	7.116	7.203	-0.087
100	B21_Biased	7.205	7.211	-0.006
100	B24_Biased	6.975	7.008	-0.033
100	B25_Biased	7.089	7.158	-0.069
100	B26_Biased	7.222	7.323	-0.101
100	C16_Biased	7.091	7.164	-0.073
100	C17_Biased	7.366	7.309	0.057
100	C18_Biased	6.875	6.881	-0.006
100	C19_Biased	7.189	7.105	0.084
100	C25_Biased	7.072	7.157	-0.085
100	C26_Biased	7.169	7.043	0.126
100	C31_Biased	7.295	7.326	-0.031
100	A107_Unbiased	6.953	6.975	-0.022
100	A108_Unbiased	7.077	7.130	-0.053
100	A109_Unbiased	6.842	6.988	-0.146
100	A110_Unbiased	7.163	7.182	-0.019
100	A111_Unbiased	6.908	6.941	-0.033
100	A112_Unbiased	6.657	6.669	-0.012
100	A113_Unbiased	7.219	7.167	0.052
100	B27_Unbiased	6.947	7.053	-0.106
100	B29_Unbiased	7.433	7.552	-0.119
100	B30_Unbiased	7.067	7.065	0.002
100	B31_Unbiased	7.192	7.287	-0.095
100	B32_Unbiased	6.652	7.410	-0.758
100	B33_Unbiased	7.516	7.573	-0.057
100	B34_Unbiased	6.567	7.292	-0.725
100	B35_Unbiased	7.315	7.415	-0.100
100	C32_Unbiased	6.997	6.977	0.020
100	C33_Unbiased	7.179	7.231	-0.052
100	C34_Unbiased	7.066	7.160	-0.094
100	C35_Unbiased	7.481	7.416	0.065
100	C36_Unbiased	7.120	7.020	0.100
100	C37_Unbiased	6.689	6.694	-0.005
100	C38_Unbiased	7.289	7.322	-0.033
	Max	7.516	7.573	0.057
	Average	7.084	7.051	0.033
	Min	6.515	6.139	-0.376
	Std Dev	0.215	0.282	0.241

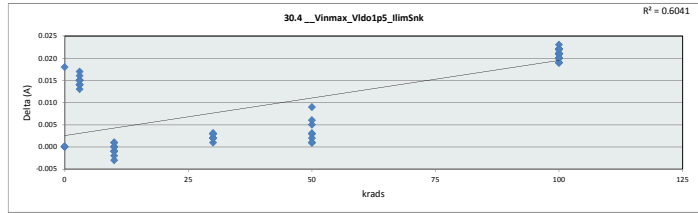


30.3_Vinmax_Vid0p8_IlimS						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
krads	LL	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	6.515	6.889	6.929	6.588	6.139	6.669
Average	6.859	7.159	7.109	7.137	6.523	7.136
Max	7.379	7.416	7.406	7.337	6.841	7.573
UL	8.000	8.000	8.000	8.000	8.000	8.000

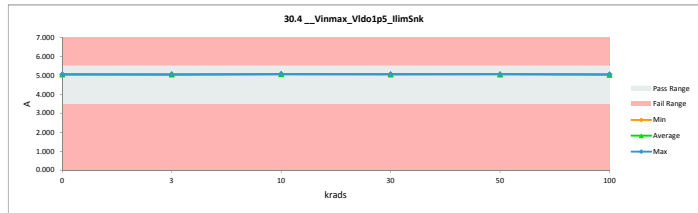


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30.4_Vinmax_Vldo1p5_IlimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.046	5.046	0.000
3	A79_Biased	5.063	5.049	0.014
3	A80_Biased	5.065	5.048	0.017
3	B1_Biased	5.063	5.048	0.015
3	B2_Biased	5.061	5.048	0.013
3	C1_Biased	5.063	5.048	0.015
3	A82_Unbiased	5.062	5.048	0.014
3	A83_Unbiased	5.064	5.048	0.016
3	B4_Unbiased	5.062	5.048	0.014
3	B5_Unbiased	5.061	5.046	0.015
3	C2_Unbiased	5.062	5.047	0.015
10	A85_Biased	5.064	5.064	0.000
10	A86_Biased	5.065	5.064	0.001
10	B6_Biased	5.060	5.063	-0.003
10	C3_Biased	5.063	5.063	0.000
10	C4_Biased	5.061	5.062	-0.001
10	A87_Unbiased	5.062	5.063	-0.001
10	A88_Unbiased	5.061	5.062	-0.001
10	B7_Unbiased	5.063	5.062	0.001
10	C5_Unbiased	5.063	5.063	0.000
10	C6_Unbiased	5.063	5.065	-0.002
0	106_Corr	5.059	5.059	0.000
30	A89_Biased	5.048	5.047	0.001
30	B8_Biased	5.061	5.059	0.002
30	B9_Biased	5.063	5.060	0.003
30	C7_Biased	5.062	5.060	0.002
30	C9_Biased	5.062	5.059	0.003
30	A90_Unbiased	5.062	5.060	0.002
30	B10_Unbiased	5.062	5.059	0.003
30	B11_Unbiased	5.063	5.060	0.003
30	C11_Unbiased	5.063	5.061	0.002
30	C12_Unbiased	5.062	5.059	0.003
0	106_Corr	5.060	5.060	0.000
0	15B_Corr	5.059	5.059	0.000
50	A92_Biased	5.062	5.059	0.003
50	A93_Biased	5.063	5.060	0.003
50	B12_Biased	5.062	5.061	0.001
50	B13_Biased	5.066	5.057	0.009
50	C14_Biased	5.063	5.061	0.002
50	A95_Unbiased	5.064	5.059	0.005
50	A96_Unbiased	5.064	5.061	0.003
50	B15_Unbiased	5.062	5.061	0.001
50	B16_Unbiased	5.066	5.060	0.006
50	C15_Unbiased	5.061	5.060	0.001
0	106_Corr	5.059	5.041	0.018
100	A97_Biased	5.063	5.043	0.020
100	A99_Biased	5.063	5.042	0.021
100	A100_Biased	5.065	5.045	0.020
100	A101_Biased	5.063	5.042	0.021
100	A102_Biased	5.063	5.042	0.021
100	A104_Biased	5.061	5.040	0.021
100	A105_Biased	5.064	5.042	0.022
100	B17_Biased	5.062	5.041	0.021
100	B18_Biased	5.064	5.044	0.020
100	B19_Biased	5.063	5.041	0.022
100	B20_Biased	5.062	5.041	0.021
100	B21_Biased	5.061	5.041	0.020
100	B24_Biased	5.062	5.041	0.021
100	B25_Biased	5.064	5.041	0.023
100	B26_Biased	5.061	5.039	0.022
100	C16_Biased	5.061	5.041	0.020
100	C17_Biased	5.062	5.042	0.020
100	C18_Biased	5.062	5.042	0.020
100	C19_Biased	5.062	5.042	0.020
100	C25_Biased	5.063	5.041	0.022
100	C26_Biased	5.063	5.043	0.020
100	C31_Biased	5.063	5.043	0.020
100	A107_Unbiased	5.064	5.043	0.021
100	A108_Unbiased	5.064	5.043	0.021
100	A109_Unbiased	5.064	5.042	0.022
100	A110_Unbiased	5.063	5.041	0.022
100	A111_Unbiased	5.063	5.043	0.020
100	A112_Unbiased	5.063	5.044	0.019
100	A113_Unbiased	5.062	5.042	0.020
100	B27_Unbiased	5.062	5.040	0.022
100	B29_Unbiased	5.061	5.040	0.021
100	B30_Unbiased	5.063	5.044	0.019
100	B31_Unbiased	5.063	5.042	0.021
100	B32_Unbiased	5.063	5.041	0.022
100	B33_Unbiased	5.063	5.042	0.021
100	B34_Unbiased	5.063	5.041	0.022
100	B35_Unbiased	5.062	5.041	0.021
100	C32_Unbiased	5.062	5.043	0.019
100	C33_Unbiased	5.062	5.040	0.022
100	C34_Unbiased	5.062	5.041	0.021
100	C35_Unbiased	5.061	5.042	0.019
100	C36_Unbiased	5.063	5.041	0.022
100	C37_Unbiased	5.061	5.041	0.020
100	C38_Unbiased	5.063	5.043	0.020
	Max	5.066	5.065	0.003
	Average	5.049	5.049	0.013
	Min	5.046	5.039	-0.003
	Std Dev	0.003	0.009	0.009

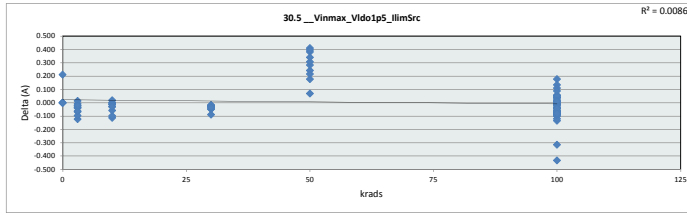


30.4_Vinmax_Vldo1p5_IlimS						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	5.5 A					
Min Limit	3.5 A					
Krads	0	3	10	30	50	100
LL	3.500	3.500	3.500	3.500	3.500	3.500
Min	5.041	5.046	5.062	5.047	5.057	5.039
Average	5.053	5.048	5.063	5.058	5.060	5.042
Max	5.066	5.049	5.065	5.061	5.061	5.045
UL	5.500	5.500	5.500	5.500	5.500	5.500

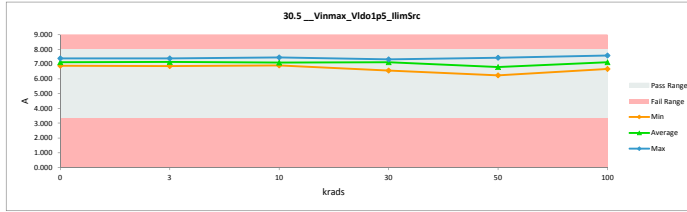


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30.5_Vinmax_Vido1p5_11msSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	8	8		
Min Limit	3.35	3.35		
Krads	Serial #	PreRad_LDR	PostRad_LDR	
0	C35_Corr	6.974	6.974	0.000
3	A79_Biased	7.255	7.295	-0.040
3	A80_Biased	6.837	6.874	-0.037
3	B1_Biased	7.296	7.305	-0.009
3	B2_Biased	7.104	7.171	-0.067
3	C1_Biased	7.021	7.045	-0.024
3	A82_Unbiased	7.251	7.374	-0.123
3	A83_Unbiased	7.014	7.112	-0.098
3	B4_Unbiased	6.899	6.885	0.014
3	B5_Unbiased	6.954	7.017	-0.063
3	C2_Unbiased	7.370	7.391	-0.021
10	A85_Biased	6.987	7.101	-0.114
10	A86_Biased	6.920	7.020	-0.100
10	B6_Biased	7.161	7.160	0.001
10	C3_Biased	6.923	6.926	-0.003
10	C4_Biased	7.040	7.021	0.019
10	A87_Unbiased	7.087	7.116	-0.029
10	A88_Unbiased	7.383	7.442	-0.059
10	B7_Unbiased	7.016	7.029	-0.013
10	C5_Unbiased	6.901	6.915	-0.014
10	C6_Unbiased	7.284	7.314	-0.030
0	106_Corr	7.379	7.379	0.000
30	A89_Biased	6.543	6.570	-0.027
30	B8_Biased	7.218	7.244	-0.026
30	B9_Biased	6.898	6.920	-0.022
30	C7_Biased	7.225	7.315	-0.090
30	C9_Biased	7.290	7.322	-0.032
30	A90_Unbiased	7.115	7.162	-0.047
30	B10_Unbiased	7.064	7.113	-0.049
30	B11_Unbiased	7.034	7.052	-0.018
30	C11_Unbiased	7.306	7.307	-0.001
30	C12_Unbiased	7.175	7.213	-0.038
0	106_Corr	7.206	7.206	0.000
0	15B_Corr	6.885	6.885	0.000
50	A92_Biased	7.072	6.661	0.411
50	A93_Biased	7.294	7.053	0.241
50	B12_Biased	7.130	6.952	0.178
50	B13_Biased	6.613	6.233	0.380
50	C14_Biased	7.493	7.423	0.070
50	A95_Unbiased	7.118	6.936	0.282
50	A96_Unbiased	6.947	6.731	0.216
50	B15_Unbiased	6.993	6.598	0.395
50	B16_Unbiased	7.087	6.781	0.306
50	C15_Unbiased	7.096	6.755	0.341
0	106_Corr	7.379	7.379	0.000
100	A97_Biased	7.279	7.303	-0.024
100	A99_Biased	7.013	7.001	0.012
100	A100_Biased	7.135	7.078	0.057
100	A101_Biased	6.983	7.021	-0.038
100	A102_Biased	7.147	6.969	0.178
100	A104_Biased	7.187	7.054	0.133
100	A105_Biased	7.020	6.977	0.043
100	B17_Biased	7.106	7.070	0.036
100	B18_Biased	6.838	6.881	-0.043
100	B19_Biased	7.185	7.176	0.009
100	B20_Biased	7.106	7.181	-0.075
100	B21_Biased	7.189	7.200	-0.011
100	B24_Biased	6.978	6.975	-0.017
100	B25_Biased	7.079	7.181	-0.102
100	B26_Biased	7.214	7.306	-0.092
100	C16_Biased	7.095	7.161	-0.066
100	C17_Biased	7.349	7.306	0.043
100	C18_Biased	6.900	6.880	0.020
100	C19_Biased	7.264	7.227	0.037
100	C25_Biased	7.086	7.147	-0.061
100	C26_Biased	7.168	7.059	0.109
100	C31_Biased	7.275	7.288	-0.013
100	A107_Unbiased	6.950	6.947	0.003
100	A108_Unbiased	7.063	7.123	-0.060
100	A109_Unbiased	6.829	6.964	-0.135
100	A110_Unbiased	7.152	7.165	-0.013
100	A111_Unbiased	6.918	6.924	-0.006
100	A112_Unbiased	6.628	6.673	-0.045
100	A113_Unbiased	7.199	7.145	0.054
100	B27_Unbiased	6.953	7.034	-0.081
100	B29_Unbiased	7.440	7.561	-0.121
100	B30_Unbiased	6.951	7.033	-0.082
100	B31_Unbiased	7.192	7.273	-0.081
100	B32_Unbiased	7.074	7.390	-0.316
100	B33_Unbiased	7.507	7.576	-0.069
100	B34_Unbiased	6.829	7.262	-0.433
100	B35_Unbiased	7.308	7.401	-0.093
100	C32_Unbiased	7.020	7.008	0.012
100	C33_Unbiased	7.171	7.214	-0.043
100	C34_Unbiased	7.081	7.168	-0.087
100	C35_Unbiased	7.482	7.527	-0.045
100	C36_Unbiased	7.115	7.027	0.088
100	C37_Unbiased	6.694	6.682	0.012
100	C38_Unbiased	7.302	7.382	-0.080
	Max	7.507	7.576	0.411
	Average	7.097	7.093	0.004
	Min	6.543	6.233	-0.433
	Std Dev	0.192	0.233	0.132

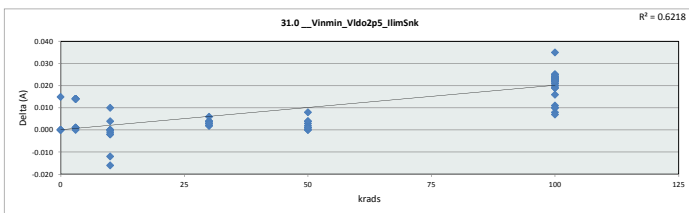


30.5_Vinmax_Vido1p5_11ms						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
Krads	0	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	6.885	6.874	6.915	6.570	6.233	6.673
Average	7.123	7.147	7.104	7.122	6.802	7.135
Max	7.379	7.391	7.442	7.322	7.423	7.576
UL	8.000	8.000	8.000	8.000	8.000	8.000

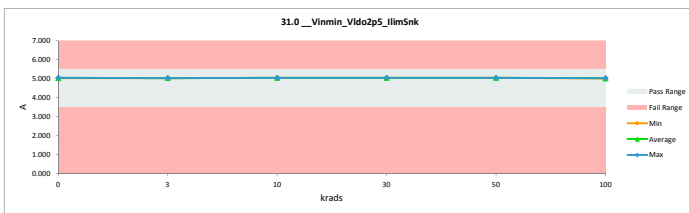


TID 100krad LDR Report
TPS7H3301-SP

31.0_Vinmin_Vldo2p5_IlimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.034	5.034	0.000
3	A79_Biased	5.050	5.036	0.014
3	A80_Biased	5.036	5.035	0.001
3	B1_Biased	5.049	5.035	0.014
3	B2_Biased	5.049	5.035	0.014
3	C1_Biased	5.049	5.035	0.014
3	A82_Unbiased	5.036	5.035	0.001
3	A83_Unbiased	5.036	5.035	0.001
3	B4_Unbiased	5.049	5.035	0.014
3	B5_Unbiased	5.034	5.034	0.000
3	C2_Unbiased	5.048	5.034	0.014
10	A85_Biased	5.035	5.051	-0.016
10	A86_Biased	5.054	5.050	0.004
10	B6_Biased	5.049	5.049	0.000
10	C3_Biased	5.048	5.038	0.010
10	C4_Biased	5.049	5.049	0.000
10	A87_Unbiased	5.048	5.050	-0.002
10	A88_Unbiased	5.049	5.049	0.000
10	B7_Unbiased	5.038	5.050	-0.012
10	C5_Unbiased	5.049	5.050	-0.001
10	C6_Unbiased	5.049	5.051	-0.002
0	106_Corr	5.046	5.046	0.000
30	A89_Biased	5.053	5.047	0.006
30	B8_Biased	5.049	5.046	0.003
30	B9_Biased	5.050	5.047	0.003
30	C7_Biased	5.049	5.046	0.003
30	C9_Biased	5.048	5.046	0.002
30	A90_Unbiased	5.050	5.046	0.004
30	B10_Unbiased	5.049	5.045	0.004
30	B11_Unbiased	5.049	5.045	0.004
30	C11_Unbiased	5.048	5.046	0.002
30	C12_Unbiased	5.049	5.046	0.003
0	106_Corr	5.042	5.042	0.000
0	15B_Corr	5.043	5.043	0.000
50	A92_Biased	5.050	5.049	0.001
50	A93_Biased	5.048	5.048	0.000
50	B12_Biased	5.049	5.047	0.002
50	B13_Biased	5.050	5.042	0.008
50	C14_Biased	5.050	5.049	0.001
50	A95_Unbiased	5.051	5.049	0.003
50	A96_Unbiased	5.051	5.047	0.004
50	B15_Unbiased	5.049	5.049	0.000
50	B16_Unbiased	5.050	5.046	0.004
50	C15_Unbiased	5.049	5.048	0.001
0	106_Corr	5.046	5.046	0.000
100	A97_Biased	5.050	5.027	0.023
100	A99_Biased	5.049	5.027	0.022
100	A100_Biased	5.040	5.029	0.011
100	A101_Biased	5.050	5.025	0.025
100	A102_Biased	5.035	5.013	0.022
100	A104_Biased	5.049	5.030	0.019
100	A105_Biased	5.050	5.026	0.024
100	B17_Biased	5.050	5.027	0.023
100	B18_Biased	5.035	5.010	0.025
100	B19_Biased	5.049	5.028	0.021
100	B20_Biased	5.050	5.025	0.025
100	B21_Biased	5.050	5.025	0.025
100	B24_Biased	5.035	5.027	0.008
100	B25_Biased	5.050	5.027	0.023
100	B26_Biased	5.049	5.025	0.024
100	C16_Biased	5.048	5.026	0.022
100	C17_Biased	5.049	5.027	0.022
100	C18_Biased	5.034	5.027	0.007
100	C19_Biased	5.049	5.028	0.021
100	C25_Biased	5.050	5.027	0.023
100	C26_Biased	5.049	5.014	0.035
100	C31_Biased	5.050	5.027	0.023
100	A107_Unbiased	5.042	5.026	0.016
100	A108_Unbiased	5.048	5.028	0.020
100	A109_Unbiased	5.035	5.025	0.010
100	A110_Unbiased	5.049	5.026	0.023
100	A111_Unbiased	5.049	5.027	0.022
100	A112_Unbiased	5.053	5.030	0.023
100	A113_Unbiased	5.049	5.026	0.023
100	B27_Unbiased	5.049	5.025	0.024
100	B29_Unbiased	5.048	5.025	0.023
100	B30_Unbiased	5.049	5.025	0.024
100	B31_Unbiased	5.049	5.026	0.023
100	B32_Unbiased	5.045	5.025	0.020
100	B33_Unbiased	5.050	5.025	0.025
100	B34_Unbiased	5.046	5.027	0.019
100	B35_Unbiased	5.048	5.025	0.023
100	C32_Unbiased	5.050	5.026	0.024
100	C33_Unbiased	5.049	5.026	0.023
100	C34_Unbiased	5.048	5.027	0.021
100	C35_Unbiased	5.049	5.027	0.022
100	C36_Unbiased	5.051	5.027	0.024
100	C37_Unbiased	5.049	5.026	0.023
100	C38_Unbiased	5.049	5.027	0.022
	Max	5.054	5.051	0.003
	Average	5.047	5.035	0.012
	Min	5.034	5.013	-0.016
	Std Dev	0.005	0.010	0.011

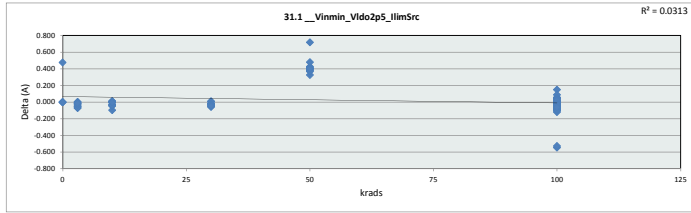


31.0_Vinmin_Vldo2p5_IlimSnk						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	5.5	A				
Min Limit	3.5	A				
Krads	0	3	10	30	50	100
LL	3.500	3.500	3.500	3.500	3.500	3.500
Min	5.031	5.034	5.038	5.045	5.042	5.013
Average	5.039	5.035	5.049	5.046	5.047	5.026
Max	5.046	5.036	5.051	5.047	5.049	5.030
UL	5.500	5.500	5.500	5.500	5.500	5.500

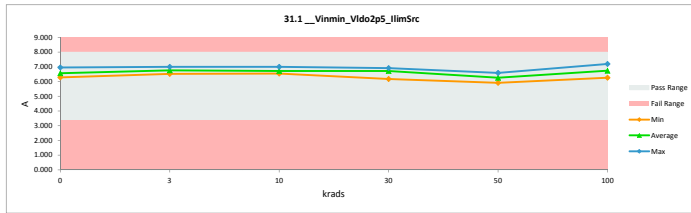


TID 100krad LDR Report
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31.1_Vinmin_Vldo2p5_IlimSrc			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	A	A	
Max Limit	8	8	
Min Limit	3.35	3.35	
krads	Serial #	PreRad_LDR	PostRad_LDR
0	C35_Corr	6.589	6.589
3	A79_Biased	6.899	6.898
3	A80_Biased	6.447	6.516
3	B1_Biased	6.875	6.890
3	B2_Biased	6.739	6.789
3	C1_Biased	6.607	6.609
3	A82_Unbiased	6.904	6.955
3	A83_Unbiased	6.646	6.716
3	B4_Unbiased	6.487	6.511
3	B5_Unbiased	6.567	6.601
3	C2_Unbiased	6.988	7.000
10	A85_Biased	6.641	6.676
10	A86_Biased	6.637	6.635
10	B6_Biased	6.750	6.741
10	C3_Biased	6.542	6.548
10	C4_Biased	6.627	6.623
10	A87_Unbiased	6.712	6.702
10	A88_Unbiased	6.968	6.997
10	B7_Unbiased	6.624	6.673
10	C5_Unbiased	6.503	6.543
10	C6_Unbiased	6.875	6.881
0	106_Corr	6.954	6.954
30	A89_Biased	6.170	6.168
30	B8_Biased	6.831	6.854
30	B9_Biased	6.523	6.543
30	C7_Biased	6.858	6.846
30	C9_Biased	6.892	6.911
30	A90_Unbiased	6.739	6.772
30	B10_Unbiased	6.681	6.702
30	B11_Unbiased	6.619	6.652
30	C11_Unbiased	6.858	6.905
30	C12_Unbiased	6.735	6.783
0	106_Corr	6.458	6.458
0	15B_Corr	6.282	6.282
50	A92_Biased	6.683	6.659
50	A93_Biased	6.871	6.467
50	B12_Biased	6.750	6.335
50	B13_Biased	6.234	5.909
50	C14_Biased	7.051	6.572
50	A95_Unbiased	6.711	6.323
50	A96_Unbiased	6.584	6.205
50	B15_Unbiased	6.583	6.214
50	B16_Unbiased	6.695	6.295
50	C15_Unbiased	6.720	6.001
0	106_Corr	6.478	6.478
100	A97_Biased	6.876	6.911
100	A99_Biased	6.638	6.647
100	A100_Biased	6.752	6.710
100	A101_Biased	6.561	6.514
100	A102_Biased	6.754	6.606
100	A104_Biased	6.784	6.726
100	A105_Biased	6.601	6.592
100	B17_Biased	6.700	6.677
100	B18_Biased	6.417	6.477
100	B19_Biased	6.786	6.804
100	B20_Biased	6.735	6.787
100	B21_Biased	6.770	6.789
100	B24_Biased	6.561	6.608
100	B25_Biased	6.667	6.747
100	B26_Biased	6.843	6.893
100	C16_Biased	6.725	6.747
100	C17_Biased	6.906	6.885
100	C18_Biased	6.473	6.484
100	C19_Biased	6.817	6.729
100	C25_Biased	6.681	6.724
100	C26_Biased	6.753	6.705
100	C31_Biased	6.914	6.913
100	A107_Unbiased	6.553	6.613
100	A108_Unbiased	6.717	6.768
100	A109_Unbiased	6.482	6.586
100	A110_Unbiased	6.789	6.784
100	A111_Unbiased	6.528	6.558
100	A112_Unbiased	6.231	6.275
100	A113_Unbiased	6.767	6.782
100	B27_Unbiased	6.544	6.617
100	B29_Unbiased	7.005	7.124
100	B30_Unbiased	6.444	6.635
100	B31_Unbiased	6.793	6.841
100	B32_Unbiased	6.403	6.949
100	B33_Unbiased	7.087	7.187
100	B34_Unbiased	6.353	6.379
100	B35_Unbiased	6.952	7.006
100	C32_Unbiased	6.573	6.596
100	C33_Unbiased	6.734	6.807
100	C34_Unbiased	6.657	6.751
100	C35_Unbiased	7.034	7.033
100	C36_Unbiased	6.665	6.639
100	C37_Unbiased	6.233	6.256
100	C38_Unbiased	6.873	6.935
	Max	7.087	7.187
	Average	6.687	6.667
	Min	6.170	5.909
	Std Dev	0.196	0.182



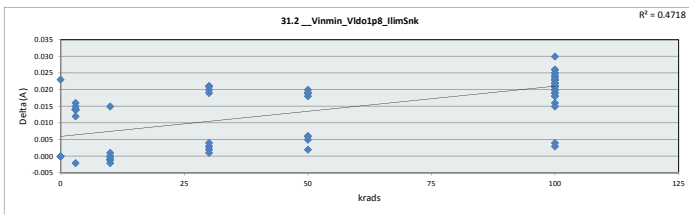
31.1_Vinmin_Vldo2p5_IlimSrc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
krads	0	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	6.282	6.511	6.543	6.168	5.909	6.256
Average	6.552	6.749	6.702	6.714	6.258	6.736
Max	6.954	7.000	6.997	6.911	6.572	7.187
UL	8.000	8.000	8.000	8.000	8.000	8.000



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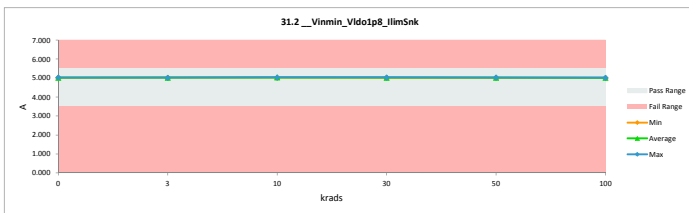
31.2_Vinmin_Vldo1p8_IlimSnk			
Test Site	Dallas, Tx	Dallas, Tx	
Tester	ETS	ETS	
Test Number	EF636800	EF636800	
Unit	A	A	
Max Limit	5.5	5.5	
Min Limit	3.5	3.5	

Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.022	5.022	0.000
3	A79_Biased	5.040	5.024	0.016
3	A80_Biased	5.037	5.025	0.012
3	B1_Biased	5.038	5.024	0.014
3	B2_Biased	5.038	5.024	0.014
3	C1_Biased	5.039	5.025	0.014
3	A82_Unbiased	5.038	5.023	0.015
3	A83_Unbiased	5.039	5.025	0.014
3	B4_Unbiased	5.038	5.024	0.014
3	B5_Unbiased	5.037	5.023	0.014
3	C2_Unbiased	5.022	5.024	-0.002
10	A85_Biased	5.037	5.038	-0.001
10	A86_Biased	5.039	5.040	-0.001
10	B6_Biased	5.039	5.040	-0.001
10	C3_Biased	5.037	5.038	-0.001
10	C4_Biased	5.022	5.022	0.000
10	A87_Unbiased	5.038	5.023	0.015
10	A88_Unbiased	5.038	5.040	-0.002
10	B7_Unbiased	5.039	5.039	0.000
10	C5_Unbiased	5.039	5.039	0.000
10	C6_Unbiased	5.024	5.023	0.001
0	106_Corr	5.035	5.035	0.000
30	A89_Biased	5.039	5.036	0.003
30	B8_Biased	5.039	5.018	0.021
30	B9_Biased	5.039	5.037	0.002
30	C7_Biased	5.039	5.020	0.019
30	C9_Biased	5.021	5.020	0.001
30	A90_Unbiased	5.039	5.019	0.020
30	B10_Unbiased	5.039	5.018	0.021
30	B11_Unbiased	5.039	5.018	0.021
30	C11_Unbiased	5.029	5.019	0.003
30	C12_Unbiased	5.022	5.018	0.004
0	106_Corr	5.032	5.032	0.000
0	15B_Corr	5.033	5.033	0.000
50	A92_Biased	5.039	5.020	0.019
50	A93_Biased	5.038	5.020	0.018
50	B12_Biased	5.038	5.019	0.019
50	B13_Biased	5.039	5.034	0.005
50	C14_Biased	5.022	5.020	0.002
50	A95_Unbiased	5.038	5.019	0.019
50	A96_Unbiased	5.039	5.033	0.006
50	B15_Unbiased	5.039	5.019	0.020
50	B16_Unbiased	5.038	5.032	0.006
50	C15_Unbiased	5.038	5.019	0.019
0	106_Corr	5.032	5.032	0.000
100	A97_Biased	5.039	5.016	0.023
100	A99_Biased	5.038	5.017	0.021
100	A100_Biased	5.038	5.015	0.023
100	A101_Biased	5.038	5.022	0.022
100	A102_Biased	5.039	5.009	0.030
100	A104_Biased	5.039	5.014	0.025
100	A105_Biased	5.037	5.015	0.022
100	B17_Biased	5.040	5.016	0.024
100	B18_Biased	5.038	5.015	0.023
100	B19_Biased	5.038	5.015	0.023
100	B20_Biased	5.038	5.017	0.021
100	B21_Biased	5.040	5.017	0.023
100	B24_Biased	5.039	5.018	0.021
100	B25_Biased	5.038	5.018	0.020
100	B26_Biased	5.038	5.019	0.019
100	C16_Biased	5.037	5.017	0.020
100	C17_Biased	5.039	5.017	0.022
100	C18_Biased	5.038	5.016	0.022
100	C19_Biased	5.039	5.014	0.025
100	C25_Biased	5.039	5.018	0.021
100	C26_Biased	5.038	5.012	0.026
100	C31_Biased	5.022	5.019	0.003
100	A107_Unbiased	5.038	5.014	0.024
100	A108_Unbiased	5.039	5.015	0.024
100	A109_Unbiased	5.038	5.017	0.021
100	A110_Unbiased	5.038	5.016	0.022
100	A111_Unbiased	5.038	5.017	0.021
100	A112_Unbiased	5.038	5.015	0.023
100	A113_Unbiased	5.040	5.017	0.023
100	B27_Unbiased	5.037	5.019	0.018
100	B29_Unbiased	5.038	5.019	0.019
100	B30_Unbiased	5.038	5.020	0.018
100	B31_Unbiased	5.040	5.017	0.023
100	B32_Unbiased	5.034	5.018	0.016
100	B33_Unbiased	5.039	5.019	0.020
100	B34_Unbiased	5.034	5.019	0.015
100	B35_Unbiased	5.038	5.017	0.021
100	C32_Unbiased	5.039	5.017	0.022
100	C33_Unbiased	5.039	5.017	0.022
100	C34_Unbiased	5.038	5.018	0.020
100	C35_Unbiased	5.022	5.018	0.004
100	C36_Unbiased	5.040	5.014	0.026
100	C37_Unbiased	5.040	5.015	0.025
100	C38_Unbiased	5.039	5.018	0.021
	Max	5.040	5.040	0.000
	Average	5.036	5.021	0.015
	Min	5.021	5.009	-0.002
	Std Dev	0.005	0.008	0.009



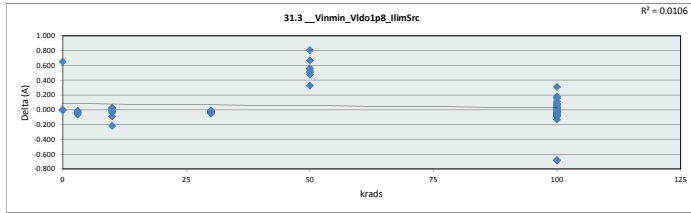
31.2_Vinmin_Vldo1p8_IlimSnk

31.2_Vinmin_Vldo1p8_IlimSnk						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5.5	A				
Min Limit	3.5	A				
Krads	0	3	10	30	50	100
LL	3.500	3.500	3.500	3.500	3.500	3.500
Min	5.012	5.023	5.022	5.018	5.019	5.009
Average	5.027	5.024	5.024	5.022	5.024	5.017
Max	5.035	5.025	5.040	5.037	5.034	5.020
UL	5.500	5.500	5.500	5.500	5.500	5.500

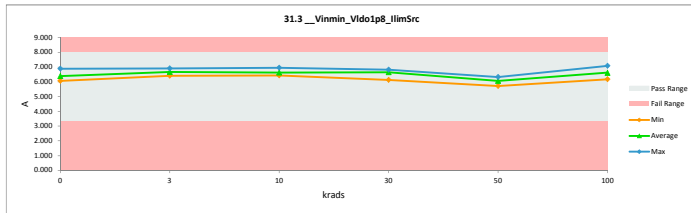


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31.3_Vinmin_Vldo1p8_IlimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	8	8		
Min Limit	3.35	3.35		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	6.511	6.511	0.000
3	A79_Biased	6.827	6.844	-0.017
3	A80_Biased	6.363	6.412	-0.049
3	B1_Biased	6.820	6.832	-0.012
3	B2_Biased	6.673	6.711	-0.038
3	C1_Biased	6.531	6.545	-0.014
3	A82_Unbiased	6.824	6.885	-0.061
3	A83_Unbiased	6.584	6.641	-0.057
3	B4_Unbiased	6.429	6.461	-0.032
3	B5_Unbiased	6.514	6.544	-0.030
3	C2_Unbiased	6.903	6.918	-0.015
10	A85_Biased	6.390	6.607	-0.217
10	A86_Biased	6.476	6.465	-0.089
10	B6_Biased	6.698	6.680	0.018
10	C3_Biased	6.469	6.441	0.028
10	C4_Biased	6.567	6.556	0.011
10	A87_Unbiased	6.626	6.639	-0.013
10	A88_Unbiased	6.917	6.952	-0.035
10	B7_Unbiased	6.578	6.585	-0.007
10	C5_Unbiased	6.461	6.471	-0.010
10	C6_Unbiased	6.819	6.832	-0.013
0	106_Corr	6.889	6.889	0.000
30	A89_Biased	6.098	6.125	-0.027
30	B8_Biased	6.759	6.806	-0.047
30	B9_Biased	6.436	6.464	-0.028
30	C7_Biased	6.776	6.786	-0.010
30	C9_Biased	6.791	6.820	-0.029
30	A90_Unbiased	6.650	6.684	-0.034
30	B10_Unbiased	6.589	6.613	-0.024
30	B11_Unbiased	6.566	6.588	-0.022
30	C11_Unbiased	6.813	6.822	-0.009
30	C12_Unbiased	6.698	6.710	-0.012
0	106_Corr	6.230	6.230	0.000
0	15B_Corr	6.062	6.062	0.000
50	A92_Biased	6.590	6.073	0.517
50	A93_Biased	6.815	6.259	0.556
50	B12_Biased	6.671	6.116	0.555
50	B13_Biased	6.192	5.711	0.481
50	C14_Biased	7.002	6.332	0.670
50	A95_Unbiased	6.440	6.113	0.327
50	A96_Unbiased	6.500	5.990	0.510
50	B15_Unbiased	6.503	6.024	0.479
50	B16_Unbiased	6.614	6.055	0.559
50	C15_Unbiased	6.664	5.858	0.806
0	106_Corr	6.889	6.889	0.000
100	A97_Biased	6.801	6.822	-0.021
100	A99_Biased	6.550	6.519	0.031
100	A100_Biased	6.460	6.459	0.002
100	A101_Biased	6.477	6.511	-0.034
100	A102_Biased	6.467	6.508	0.159
100	A104_Biased	6.720	6.602	0.118
100	A105_Biased	6.484	6.303	0.181
100	B17_Biased	6.617	6.598	0.019
100	B18_Biased	6.345	6.386	-0.041
100	B19_Biased	6.518	6.207	0.311
100	B20_Biased	6.666	6.666	0.000
100	B21_Biased	6.710	6.703	0.007
100	B24_Biased	6.510	6.548	-0.038
100	B25_Biased	6.595	6.676	-0.081
100	B26_Biased	6.762	6.591	0.171
100	C16_Biased	6.663	6.643	0.020
100	C17_Biased	6.834	6.771	0.063
100	C18_Biased	6.393	6.380	0.013
100	C19_Biased	6.731	6.653	0.078
100	C25_Biased	6.619	6.630	-0.011
100	C26_Biased	6.680	6.593	0.087
100	C31_Biased	6.820	6.830	-0.010
100	A107_Unbiased	6.474	6.498	-0.024
100	A108_Unbiased	6.626	6.627	-0.001
100	A109_Unbiased	6.422	6.502	-0.080
100	A110_Unbiased	6.690	6.701	-0.011
100	A111_Unbiased	6.440	6.450	-0.010
100	A112_Unbiased	6.186	6.197	-0.011
100	A113_Unbiased	6.725	6.708	0.017
100	B27_Unbiased	6.410	6.541	-0.131
100	B29_Unbiased	6.956	7.040	-0.084
100	B30_Unbiased	6.883	6.930	-0.047
100	B31_Unbiased	6.691	6.779	-0.088
100	B32_Unbiased	6.188	6.874	-0.686
100	B33_Unbiased	7.002	7.081	-0.079
100	B34_Unbiased	6.112	6.792	-0.680
100	B35_Unbiased	6.692	6.730	-0.038
100	C32_Unbiased	6.544	6.506	0.038
100	C33_Unbiased	6.673	6.739	-0.066
100	C34_Unbiased	6.619	6.676	-0.057
100	C35_Unbiased	7.004	6.964	0.040
100	C36_Unbiased	6.631	6.564	0.067
100	C37_Unbiased	6.177	6.165	0.012
100	C38_Unbiased	6.839	6.856	-0.017
	Max	7.004	7.081	0.806
	Average	6.600	6.652	0.048
	Min	6.062	5.711	-0.686
	Std Dev	0.211	0.273	0.230

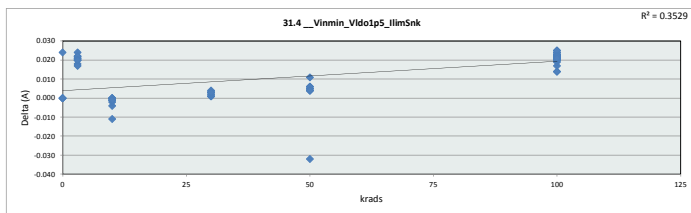


31.3_Vinmin_Vldo1p8_IlimSrc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
Krads	LL	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	6.062	6.412	6.441	6.125	5.711	6.165
Average	6.386	6.679	6.633	6.642	6.053	6.616
Max	6.889	6.918	6.952	6.822	6.332	7.081
UL	8.000	8.000	8.000	8.000	8.000	8.000

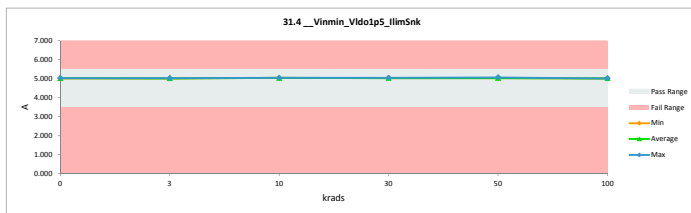


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31.4_Vinmin_Vldo1p5_IlimSnk				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	5.5	5.5		
Min Limit	3.5	3.5		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.020	5.020	0.000
3	A79_Biased	5.038	5.018	0.020
3	A80_Biased	5.034	5.016	0.018
3	B1_Biased	5.037	5.015	0.022
3	B2_Biased	5.036	5.012	0.024
3	C1_Biased	5.036	5.015	0.021
3	A82_Unbiased	5.036	5.019	0.017
3	A83_Unbiased	5.035	5.014	0.021
3	B4_Unbiased	5.035	5.013	0.022
3	B5_Unbiased	5.035	5.015	0.020
3	C2_Unbiased	5.037	5.017	0.020
10	A85_Biased	5.034	5.038	-0.004
10	A86_Biased	5.027	5.038	-0.011
10	B6_Biased	5.037	5.037	0.000
10	C3_Biased	5.036	5.036	0.000
10	C4_Biased	5.037	5.037	0.000
10	A87_Unbiased	5.038	5.038	0.000
10	A88_Unbiased	5.037	5.038	-0.001
10	B7_Unbiased	5.036	5.037	-0.001
10	C5_Unbiased	5.037	5.039	-0.002
10	C6_Unbiased	5.039	5.040	-0.001
0	106_Corr	5.033	5.033	0.000
30	A89_Biased	5.034	5.033	0.001
30	B8_Biased	5.037	5.034	0.003
30	B9_Biased	5.037	5.034	0.003
30	C7_Biased	5.037	5.036	0.001
30	C9_Biased	5.038	5.038	0.000
30	A90_Unbiased	5.037	5.036	0.001
30	B10_Unbiased	5.038	5.034	0.004
30	B11_Unbiased	5.037	5.034	0.003
30	C11_Unbiased	5.037	5.035	0.002
30	C12_Unbiased	5.037	5.034	0.003
0	106_Corr	5.029	5.029	0.000
0	15B_Corr	5.031	5.031	0.000
50	A92_Biased	5.038	5.033	0.005
50	A93_Biased	5.036	5.032	0.004
50	B12_Biased	5.037	5.032	0.005
50	B13_Biased	5.037	5.069	-0.032
50	C14_Biased	5.038	5.032	0.006
50	A95_Unbiased	5.037	5.033	0.004
50	A96_Unbiased	5.036	5.030	0.006
50	B15_Unbiased	5.037	5.033	0.004
50	B16_Unbiased	5.036	5.025	0.011
50	C15_Unbiased	5.036	5.032	0.004
0	106_Corr	5.029	5.029	0.000
100	A97_Biased	5.038	5.015	0.023
100	A99_Biased	5.036	5.014	0.022
100	A100_Biased	5.037	5.017	0.020
100	A101_Biased	5.037	5.013	0.024
100	A102_Biased	5.035	5.015	0.020
100	A104_Biased	5.036	5.014	0.022
100	A105_Biased	5.035	5.015	0.020
100	B17_Biased	5.037	5.016	0.021
100	B18_Biased	5.035	5.015	0.020
100	B19_Biased	5.036	5.015	0.021
100	B20_Biased	5.037	5.015	0.022
100	B21_Biased	5.038	5.013	0.025
100	B24_Biased	5.036	5.014	0.022
100	B25_Biased	5.037	5.017	0.020
100	B26_Biased	5.036	5.016	0.020
100	C16_Biased	5.036	5.014	0.022
100	C17_Biased	5.036	5.014	0.022
100	C18_Biased	5.036	5.014	0.021
100	C19_Biased	5.038	5.015	0.023
100	C25_Biased	5.037	5.017	0.020
100	C26_Biased	5.036	5.015	0.021
100	C31_Biased	5.038	5.018	0.020
100	A107_Unbiased	5.035	5.013	0.022
100	A108_Unbiased	5.034	5.014	0.020
100	A109_Unbiased	5.032	5.015	0.017
100	A110_Unbiased	5.036	5.015	0.021
100	A111_Unbiased	5.037	5.014	0.023
100	A112_Unbiased	5.037	5.013	0.024
100	A113_Unbiased	5.036	5.015	0.021
100	B27_Unbiased	5.036	5.017	0.019
100	B29_Unbiased	5.035	5.015	0.020
100	B30_Unbiased	5.036	5.016	0.020
100	B31_Unbiased	5.036	5.016	0.020
100	B32_Unbiased	5.030	5.016	0.014
100	B33_Unbiased	5.037	5.017	0.020
100	B34_Unbiased	5.030	5.016	0.014
100	B35_Unbiased	5.037	5.015	0.022
100	C32_Unbiased	5.037	5.015	0.022
100	C33_Unbiased	5.036	5.016	0.020
100	C34_Unbiased	5.036	5.015	0.021
100	C35_Unbiased	5.039	5.014	0.025
100	C36_Unbiased	5.037	5.015	0.022
100	C37_Unbiased	5.037	5.015	0.022
100	C38_Unbiased	5.036	5.015	0.021
	Max	5.039	5.069	0.025
	Average	5.036	5.023	0.013
	Min	5.020	5.009	-0.032
	Std Dev	0.003	0.011	0.011

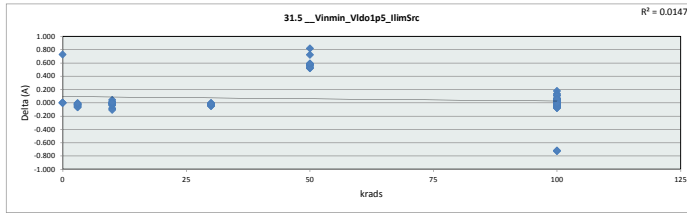


31.4_Vinmin_Vldo1p5_IlimSnk						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5.5	A				
Min Limit	3.5	A				
Krads	0	3	10	30	50	100
LL	3.500	3.500	3.500	3.500	3.500	3.500
Min	5.009	5.012	5.036	5.033	5.025	5.013
Average	5.024	5.015	5.038	5.035	5.035	5.015
Max	5.033	5.019	5.040	5.036	5.069	5.018
UL	5.500	5.500	5.500	5.500	5.500	5.500

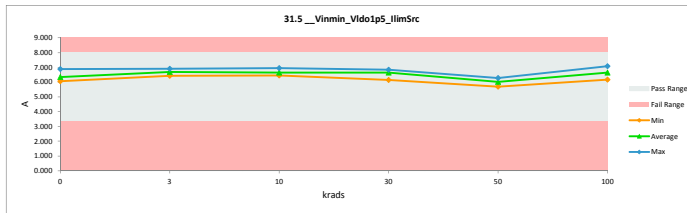


TID 100krad LDR Report
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31.5_Vinmin_Vldo1p5_IlimSrc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	A	A		
Max Limit	8	8		
Min Limit	3.35	3.35		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	6.513	6.513	0.000
3	A79_Biased	6.832	6.857	-0.025
3	A80_Biased	6.376	6.432	-0.056
3	B1_Biased	6.806	6.842	-0.036
3	B2_Biased	6.681	6.719	-0.038
3	C1_Biased	6.557	6.575	-0.018
3	A82_Unbiased	6.822	6.891	-0.069
3	A83_Unbiased	6.589	6.650	-0.061
3	B4_Unbiased	6.450	6.472	-0.022
3	B5_Unbiased	6.531	6.535	-0.004
3	C2_Unbiased	6.906	6.917	-0.011
10	A85_Biased	6.537	6.618	-0.081
10	A86_Biased	6.479	6.484	-0.105
10	B6_Biased	6.683	6.688	-0.005
10	C3_Biased	6.494	6.450	0.044
10	C4_Biased	6.586	6.569	0.017
10	A87_Unbiased	6.633	6.650	-0.017
10	A88_Unbiased	6.914	6.952	-0.038
10	B7_Unbiased	6.593	6.612	-0.019
10	C5_Unbiased	6.457	6.466	-0.009
10	C6_Unbiased	6.821	6.814	0.007
0	106_Corr	6.890	6.890	0.000
30	A89_Biased	6.102	6.146	-0.044
30	B8_Biased	6.767	6.809	-0.042
30	B9_Biased	6.431	6.476	-0.045
30	C7_Biased	6.801	6.807	-0.006
30	C9_Biased	6.899	6.836	-0.027
30	A90_Unbiased	6.651	6.686	-0.035
30	B10_Unbiased	6.597	6.621	-0.024
30	B11_Unbiased	6.574	6.597	-0.023
30	C11_Unbiased	6.818	6.824	-0.006
30	C12_Unbiased	6.685	6.697	-0.012
0	106_Corr	6.137	6.137	0.000
0	15B_Corr	6.061	6.061	0.000
50	A92_Biased	6.596	6.058	0.538
50	A93_Biased	6.912	6.229	0.583
50	B12_Biased	6.674	6.093	0.581
50	B13_Biased	6.211	5.691	0.520
50	C14_Biased	7.002	6.280	0.722
50	A95_Unbiased	6.639	6.070	0.569
50	A96_Unbiased	6.515	5.957	0.558
50	B15_Unbiased	6.516	5.991	0.525
50	B16_Unbiased	6.614	6.019	0.595
50	C15_Unbiased	6.686	5.867	0.817
0	106_Corr	6.890	6.164	0.726
100	A97_Biased	6.800	6.807	-0.007
100	A99_Biased	6.557	6.536	0.021
100	A100_Biased	6.662	6.592	0.070
100	A101_Biased	6.994	6.522	-0.028
100	A102_Biased	6.685	6.506	0.179
100	A104_Biased	6.723	6.589	0.134
100	A105_Biased	6.541	6.500	0.041
100	B17_Biased	6.637	6.597	0.040
100	B18_Biased	6.361	6.390	-0.029
100	B19_Biased	6.723	6.680	0.043
100	B20_Biased	6.657	6.669	-0.012
100	B21_Biased	6.724	6.703	0.021
100	B24_Biased	6.535	6.555	-0.020
100	B25_Biased	6.608	6.676	-0.068
100	B26_Biased	6.765	6.804	-0.039
100	C16_Biased	6.686	6.659	0.027
100	C17_Biased	6.840	6.770	0.070
100	C18_Biased	6.820	6.930	0.030
100	C19_Biased	6.760	6.646	0.114
100	C25_Biased	6.618	6.617	0.001
100	C26_Biased	6.696	6.590	0.106
100	C31_Biased	6.831	6.820	0.011
100	A107_Unbiased	6.483	6.492	-0.009
100	A108_Unbiased	6.627	6.625	0.002
100	A109_Unbiased	6.433	6.505	-0.072
100	A110_Unbiased	6.715	6.698	0.017
100	A111_Unbiased	6.459	6.454	0.005
100	A112_Unbiased	6.185	6.209	-0.024
100	A113_Unbiased	6.709	6.680	0.029
100	B27_Unbiased	6.513	6.549	-0.036
100	B29_Unbiased	6.962	7.040	-0.078
100	B30_Unbiased	6.994	6.535	0.459
100	B31_Unbiased	6.721	6.780	-0.059
100	B32_Unbiased	6.154	6.878	-0.724
100	B33_Unbiased	7.007	7.082	-0.075
100	B34_Unbiased	6.965	6.794	-0.129
100	B35_Unbiased	6.859	6.917	-0.058
100	C32_Unbiased	6.543	6.529	0.014
100	C33_Unbiased	6.694	6.752	-0.058
100	C34_Unbiased	6.635	6.681	-0.046
100	C35_Unbiased	7.013	6.946	0.047
100	C36_Unbiased	6.625	6.583	0.042
100	C37_Unbiased	6.223	6.164	0.059
100	C38_Unbiased	6.847	6.857	-0.010
	Max	7.013	7.082	0.817
	Average	6.618	6.664	0.054
	Min	6.061	5.691	-0.724
	Std Dev	0.212	0.280	0.243

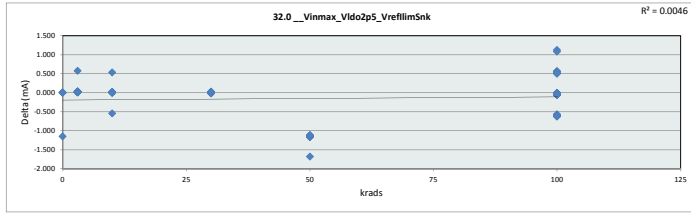


31.5_Vinmin_Vldo1p5_IlimSrc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	8	A				
Min Limit	3.35	A				
Krads	LL	3	10	30	50	100
LL	3.350	3.350	3.350	3.350	3.350	3.350
Min	6.061	6.432	6.450	6.146	5.691	6.164
Average	6.353	6.689	6.640	6.650	6.026	6.645
Max	6.890	6.917	6.952	6.836	6.280	7.082
UL	8.000	8.000	8.000	8.000	8.000	8.000

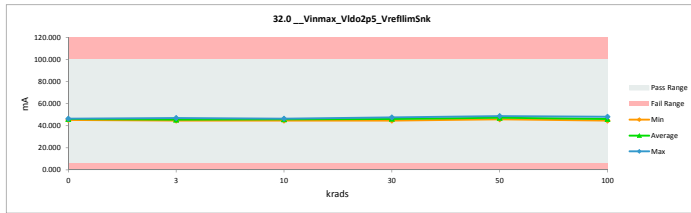


TID 100krad LDR Report
TPS7H3301-SP

32.0_Vinmax_Vldo2p5_Vrefllin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	46.317	46.317	0.000
3	A79_Biased	46.884	46.888	-0.004
3	A80_Unbiased	44.663	44.637	0.026
3	B1_Biased	45.229	45.215	0.014
3	B2_Biased	44.654	44.637	0.017
3	C1_Biased	44.670	44.666	0.004
3	A82_Unbiased	46.895	46.899	0.036
3	A83_Unbiased	46.913	46.342	0.571
3	B4_Unbiased	44.663	44.647	0.016
3	B5_Unbiased	45.765	45.743	0.022
3	C2_Unbiased	45.796	45.777	0.019
10	A85_Biased	46.326	46.323	0.003
10	A86_Biased	45.767	45.236	0.531
10	B6_Biased	45.772	45.774	-0.002
10	C3_Biased	45.791	46.336	-0.545
10	C4_Biased	45.205	45.204	0.001
10	A87_Unbiased	46.334	46.321	0.013
10	A88_Unbiased	46.352	46.355	-0.003
10	B7_Unbiased	46.325	46.318	0.007
10	C5_Unbiased	44.664	44.659	0.005
10	C6_Unbiased	45.761	45.763	-0.002
0	106_Corr	45.219	45.219	0.000
30	A89_Biased	45.783	45.774	0.009
30	B8_Biased	46.322	46.352	-0.030
30	B9_Biased	46.345	46.346	-0.001
30	C7_Biased	45.208	45.207	0.001
30	C9_Biased	44.679	44.669	0.010
30	A90_Unbiased	47.442	47.453	-0.011
30	B10_Unbiased	47.444	47.435	0.009
30	B11_Unbiased	46.326	46.320	0.006
30	C11_Unbiased	46.339	46.315	0.024
30	C12_Unbiased	45.767	45.756	0.011
0	106_Corr	46.360	46.360	0.000
0	15B_Corr	46.341	46.341	0.000
50	A92_Biased	47.441	48.596	-1.155
50	A93_Biased	46.873	48.045	-1.172
50	B12_Biased	46.342	47.461	-1.119
50	B13_Biased	45.760	46.899	-1.139
50	C14_Biased	44.651	45.797	-1.146
50	A95_Unbiased	46.321	47.487	-1.166
50	A96_Unbiased	45.774	46.902	-1.128
50	B15_Unbiased	46.892	48.035	-1.143
50	B16_Unbiased	45.766	46.897	-1.131
50	C15_Unbiased	45.235	46.917	-1.682
0	106_Corr	45.219	45.219	-1.156
100	A97_Biased	45.223	45.830	-0.607
100	A99_Biased	46.872	46.929	-0.057
100	A100_Biased	47.471	47.505	-0.034
100	A101_Biased	45.771	45.806	-0.035
100	A102_Biased	46.901	46.912	-0.011
100	A104_Biased	44.669	45.248	-0.579
100	A105_Biased	45.774	45.802	-0.028
100	B17_Biased	46.318	46.364	-0.046
100	B18_Biased	46.352	46.375	-0.023
100	B19_Biased	45.783	46.357	-0.574
100	B20_Biased	44.655	44.686	-0.031
100	B21_Biased	45.773	45.813	-0.040
100	B24_Biased	45.230	45.246	-0.016
100	B25_Biased	46.322	46.376	-0.054
100	B26_Biased	46.354	45.796	0.558
100	C16_Biased	45.236	45.279	-0.043
100	C17_Biased	46.338	46.370	-0.032
100	C18_Biased	45.215	45.825	-0.610
100	C19_Biased	45.202	45.825	-0.623
100	C25_Biased	46.873	46.909	-0.036
100	C26_Biased	45.759	46.354	-0.595
100	C31_Biased	46.342	46.386	-0.044
100	A107_Unbiased	48.019	48.047	-0.028
100	A108_Unbiased	46.329	46.359	-0.030
100	A109_Unbiased	45.797	45.238	0.559
100	A110_Unbiased	46.317	46.374	-0.057
100	A111_Unbiased	45.211	45.246	-0.035
100	A112_Unbiased	46.875	46.937	-0.062
100	A113_Unbiased	46.355	46.390	-0.035
100	B27_Unbiased	46.329	45.790	0.539
100	B29_Unbiased	46.323	45.828	0.495
100	B30_Unbiased	46.896	46.367	0.529
100	B31_Unbiased	46.336	46.382	-0.046
100	B32_Unbiased	47.470	46.354	1.116
100	B33_Unbiased	46.347	46.354	-0.007
100	B34_Unbiased	47.463	46.384	1.079
100	B35_Unbiased	46.334	45.829	0.505
100	C32_Unbiased	45.205	45.839	-0.634
100	C33_Unbiased	46.325	46.355	-0.030
100	C34_Unbiased	46.339	46.387	-0.048
100	C35_Unbiased	45.201	45.248	-0.047
100	C36_Unbiased	45.222	45.253	-0.031
100	C37_Unbiased	45.762	46.379	-0.617
100	C38_Unbiased	46.878	46.924	-0.046
	Max	48.019	48.596	1.116
	Average	46.027	46.171	-0.145
	Min	44.651	44.637	-1.682
	Std Dev	0.789	0.832	0.501

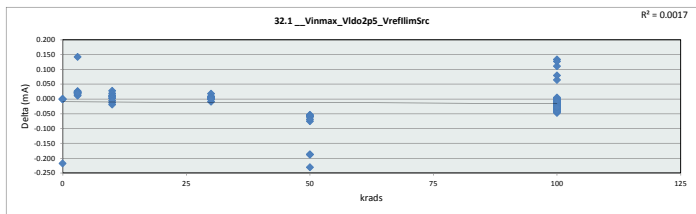


32.0_Vinmax_Vldo2p5_Vrefll						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	100					
Min Limit	0					
krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	45.219	44.637	44.659	44.669	45.797	44.686
Average	46.122	45.541	45.829	46.163	47.304	46.142
Max	46.375	46.888	46.355	47.453	48.596	48.047
UL	100.000	100.000	100.000	100.000	100.000	100.000

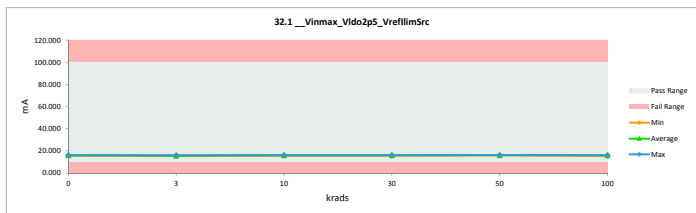


TID 100krad LDR Report
TPS7H3301-SP

32.1_Vinmax_Vldo2p5_Vrefllin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	16.076	16.076	0.000
3	A79_Biased	16.115	16.094	0.021
3	A80_Unbiased	15.950	15.923	0.027
3	B1_Biased	16.155	16.141	0.014
3	B2_Biased	15.623	15.599	0.024
3	C1_Biased	15.745	15.603	0.142
3	A82_Unbiased	16.149	16.126	0.023
3	A83_Unbiased	16.121	16.101	0.020
3	B4_Unbiased	15.763	15.743	0.020
3	B5_Unbiased	15.950	15.939	0.011
3	C2_Unbiased	16.096	16.076	0.020
10	A85_Biased	16.183	16.171	0.012
10	A86_Biased	15.953	15.925	0.028
10	B6_Biased	16.112	16.109	0.003
10	C3_Biased	16.118	16.137	-0.019
10	C4_Biased	15.938	15.950	-0.012
10	A87_Unbiased	15.953	15.934	0.019
10	A88_Unbiased	16.143	16.134	0.009
10	B7_Unbiased	15.953	15.944	0.009
10	C5_Unbiased	15.950	15.947	0.003
10	C6_Unbiased	16.081	16.087	-0.006
0	106_Corr	15.935	15.935	0.000
30	A89_Biased	15.944	15.935	0.009
30	B8_Biased	16.109	16.109	0.000
30	B9_Biased	16.193	16.175	0.018
30	C7_Biased	15.941	15.941	0.000
30	C9_Biased	15.944	15.938	0.006
30	A90_Unbiased	16.146	16.140	0.006
30	B10_Unbiased	16.186	16.187	-0.001
30	B11_Unbiased	16.137	16.131	0.006
30	C11_Unbiased	16.106	16.115	-0.009
30	C12_Unbiased	16.121	16.122	-0.001
0	106_Corr	16.137	16.137	0.000
0	158_Corr	16.106	16.106	0.000
50	A92_Biased	16.127	16.202	-0.075
50	A93_Biased	15.947	16.134	-0.187
50	B12_Biased	16.174	16.234	-0.060
50	B13_Biased	15.928	16.115	-0.187
50	C14_Biased	16.096	16.156	-0.060
50	A95_Unbiased	16.124	16.178	-0.054
50	A96_Unbiased	16.106	16.162	-0.056
50	B15_Unbiased	16.134	16.193	-0.059
50	B16_Unbiased	16.168	16.237	-0.069
50	C15_Unbiased	15.947	16.178	-0.231
0	106_Corr	15.935	16.153	-0.218
100	A97_Biased	16.146	16.163	-0.017
100	A99_Biased	16.102	16.107	-0.005
100	A100_Biased	16.146	16.169	-0.023
100	A101_Biased	16.124	16.132	-0.008
100	A102_Biased	16.121	16.122	-0.001
100	A104_Biased	15.757	15.804	-0.047
100	A105_Biased	15.931	15.954	-0.023
100	B17_Biased	16.130	16.160	-0.030
100	B18_Biased	16.115	16.125	-0.010
100	B19_Biased	16.102	16.144	-0.042
100	B20_Biased	16.090	15.979	0.111
100	B21_Biased	16.165	16.166	-0.001
100	B24_Biased	15.944	15.960	-0.016
100	B25_Biased	15.953	15.963	-0.010
100	B26_Biased	16.087	15.954	0.133
100	C16_Biased	15.950	15.960	-0.010
100	C17_Biased	16.134	16.144	-0.010
100	C18_Biased	15.925	15.966	-0.041
100	C19_Biased	15.922	15.957	-0.035
100	C25_Biased	16.149	16.163	-0.014
100	C26_Biased	15.925	15.969	-0.044
100	C31_Biased	16.115	16.132	-0.017
100	A107_Unbiased	16.143	16.146	-0.003
100	A108_Unbiased	16.202	16.228	-0.026
100	A109_Unbiased	15.605	15.623	-0.018
100	A110_Unbiased	15.931	15.963	-0.032
100	A111_Unbiased	16.087	16.100	-0.013
100	A112_Unbiased	16.106	16.141	-0.035
100	A113_Unbiased	16.112	16.132	-0.020
100	B27_Unbiased	15.785	15.786	-0.001
100	B29_Unbiased	16.093	15.966	0.127
100	B30_Unbiased	16.155	16.150	0.005
100	B31_Unbiased	16.106	16.135	-0.029
100	B32_Unbiased	16.252	16.188	0.064
100	B33_Unbiased	16.146	16.147	-0.001
100	B34_Unbiased	16.211	16.132	0.079
100	B35_Unbiased	16.127	16.141	-0.014
100	C32_Unbiased	16.096	16.116	-0.020
100	C33_Unbiased	16.134	16.150	-0.016
100	C34_Unbiased	16.137	16.160	-0.023
100	C35_Unbiased	15.922	15.951	-0.029
100	C36_Unbiased	15.913	15.954	-0.041
100	C37_Unbiased	16.112	16.141	-0.029
100	C38_Unbiased	16.112	16.119	-0.007
	Max	16.252	16.237	0.142
	Average	16.049	16.061	-0.013
	Min	15.605	15.599	-0.231
	Std Dev	0.129	0.136	0.057

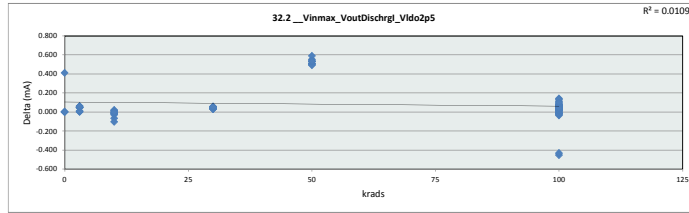


32.1_Vinmax_Vldo2p5_Vrefllin						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	15.935	15.599	15.925	15.935	16.115	15.623
Average	16.081	15.935	16.034	16.079	16.179	16.063
Max	16.153	16.141	16.171	16.187	16.237	16.228
UL	100.000	100.000	100.000	100.000	100.000	100.000

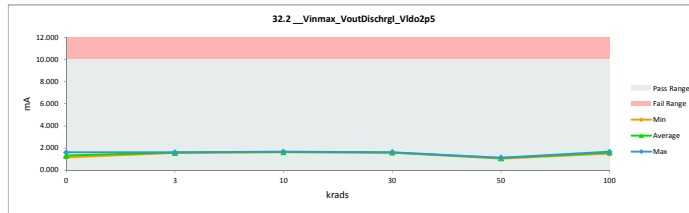


TID 100krad LDR Report
TPS7H3301-SP

32.2_Vinmax_VoutDischrgl_Vi				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.486	1.486	0.000
3	A79_Biased	1.644	1.600	0.044
3	A80_Biased	1.601	1.599	0.002
3	B1_Biased	1.656	1.609	0.047
3	B2_Biased	1.606	1.558	0.048
3	C1_Biased	1.637	1.574	0.063
3	A82_Unbiased	1.598	1.594	0.004
3	A83_Unbiased	1.592	1.592	0.013
3	B4_Unbiased	1.613	1.562	0.051
3	B5_Unbiased	1.638	1.588	0.050
3	C2_Unbiased	1.644	1.583	0.061
10	A85_Biased	1.604	1.671	-0.067
10	A86_Biased	1.651	1.655	-0.104
10	B6_Biased	1.646	1.636	0.010
10	C3_Biased	1.666	1.645	0.021
10	C4_Biased	1.638	1.628	0.010
10	A87_Unbiased	1.645	1.663	-0.018
10	A88_Unbiased	1.635	1.643	-0.028
10	B7_Unbiased	1.641	1.656	-0.015
10	C5_Unbiased	1.642	1.647	-0.005
10	C6_Unbiased	1.662	1.665	-0.003
0	106_Corr	1.626	1.626	0.000
30	A89_Biased	1.628	1.597	0.031
30	B8_Biased	1.639	1.602	0.037
30	B9_Biased	1.635	1.595	0.040
30	C7_Biased	1.659	1.602	0.057
30	C9_Biased	1.651	1.609	0.042
30	A90_Unbiased	1.659	1.628	0.031
30	B10_Unbiased	1.641	1.607	0.034
30	B11_Unbiased	1.649	1.612	0.037
30	C11_Unbiased	1.659	1.604	0.055
30	C12_Unbiased	1.651	1.599	0.052
0	106_Corr	1.174	1.174	0.000
0	15B_Corr	1.189	1.189	0.000
50	A92_Biased	1.644	1.144	0.500
50	A93_Biased	1.630	1.121	0.509
50	B12_Biased	1.638	1.108	0.530
50	B13_Biased	1.605	1.052	0.553
50	C14_Biased	1.656	1.065	0.591
50	A95_Unbiased	1.629	1.120	0.509
50	A96_Unbiased	1.641	1.105	0.536
50	B15_Unbiased	1.635	1.143	0.492
50	B16_Unbiased	1.635	1.101	0.534
50	C15_Unbiased	1.634	1.103	0.531
0	106_Corr	1.626	1.215	0.411
100	A97_Biased	1.658	1.626	0.032
100	A99_Biased	1.627	1.583	0.044
100	A100_Biased	1.611	1.535	0.076
100	A101_Biased	1.646	1.611	0.035
100	A102_Biased	1.642	1.617	0.025
100	A104_Biased	1.642	1.499	0.143
100	A105_Biased	1.638	1.574	0.064
100	B17_Biased	1.630	1.567	0.063
100	B18_Biased	1.617	1.582	0.035
100	B19_Biased	1.650	1.583	0.067
100	B20_Biased	1.640	1.623	0.017
100	B21_Biased	1.648	1.605	0.043
100	B24_Biased	1.625	1.612	0.013
100	B25_Biased	1.646	1.640	-0.014
100	B26_Biased	1.635	1.649	-0.014
100	C16_Biased	1.633	1.585	0.048
100	C17_Biased	1.664	1.577	0.087
100	C18_Biased	1.651	1.590	0.061
100	C19_Biased	1.661	1.548	0.113
100	C25_Biased	1.657	1.641	0.016
100	C26_Biased	1.650	1.520	0.130
100	C31_Biased	1.650	1.622	0.028
100	A107_Unbiased	1.614	1.572	0.042
100	A108_Unbiased	1.597	1.575	0.022
100	A109_Unbiased	1.564	1.598	-0.034
100	A110_Unbiased	1.633	1.585	0.048
100	A111_Unbiased	1.633	1.593	0.040
100	A112_Unbiased	1.631	1.578	0.053
100	A113_Unbiased	1.639	1.590	0.049
100	B27_Unbiased	1.624	1.640	-0.016
100	B29_Unbiased	1.654	1.675	-0.021
100	B30_Unbiased	1.637	1.650	-0.013
100	B31_Unbiased	1.643	1.650	-0.007
100	B32_Unbiased	1.204	1.656	-0.452
100	B33_Unbiased	1.640	1.658	-0.018
100	B34_Unbiased	1.195	1.628	-0.433
100	B35_Unbiased	1.651	1.666	-0.015
100	C32_Unbiased	1.632	1.560	0.072
100	C33_Unbiased	1.652	1.643	0.009
100	C34_Unbiased	1.670	1.652	0.018
100	C35_Unbiased	1.646	1.676	0.070
100	C36_Unbiased	1.633	1.550	0.083
100	C37_Unbiased	1.660	1.562	0.098
100	C38_Unbiased	1.664	1.625	0.039
	Max	1.670	1.675	0.591
	Average	1.615	1.536	0.079
	Min	1.174	1.052	-0.452
	Std Dev	0.096	0.175	0.184

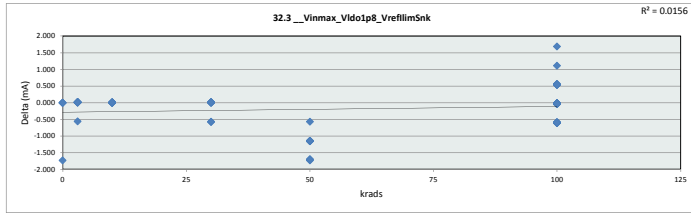


32.2_Vinmax_VoutDischrgl						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	10					
Min Limit	0					
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.174	1.558	1.628	1.595	1.052	1.499
Average	1.338	1.585	1.653	1.606	1.106	1.602
Max	1.626	1.609	1.671	1.628	1.144	1.675
UL	10.000	10.000	10.000	10.000	10.000	10.000

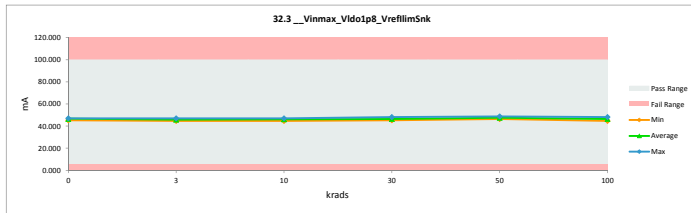


TID 100krad LDR Report
TPS7H3301-SP

32.3_Vinmax_Vldo1p8_Vrefflin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	6	6		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	46.442	46.442	0.000
3	A79_Biased	47.010	47.006	0.004
3	A80_Unbiased	44.778	44.767	0.011
3	B1_Biased	45.909	45.903	0.006
3	B2_Biased	44.773	44.761	0.012
3	C1_Biased	44.778	45.339	-0.561
3	A82_Unbiased	47.008	46.986	0.022
3	A83_Unbiased	47.016	47.004	0.012
3	B4_Unbiased	44.775	44.760	0.015
3	B5_Unbiased	45.889	45.879	0.010
3	C2_Unbiased	45.898	45.893	0.005
10	A85_Biased	46.443	46.447	-0.004
10	A86_Biased	45.897	45.904	-0.007
10	B6_Biased	45.887	45.891	-0.004
10	C3_Biased	46.458	46.455	0.003
10	C4_Biased	45.331	45.327	0.004
10	A87_Unbiased	46.449	46.436	0.013
10	A88_Unbiased	47.016	47.010	0.006
10	B7_Unbiased	46.439	46.436	0.003
10	C5_Unbiased	44.778	44.779	-0.001
10	C6_Unbiased	45.884	45.877	0.007
0	106_Corr	45.339	45.339	0.000
30	A89_Biased	45.895	45.882	0.013
30	B8_Biased	46.441	47.020	-0.579
30	B9_Biased	46.460	46.456	0.004
30	C7_Biased	45.325	45.328	-0.003
30	C9_Biased	45.349	45.347	0.002
30	A90_Unbiased	47.560	48.130	-0.570
30	B10_Unbiased	47.567	47.560	0.007
30	B11_Unbiased	46.443	46.439	0.004
30	C11_Unbiased	46.449	46.446	0.013
30	C12_Unbiased	45.892	45.890	0.002
0	106_Corr	47.033	47.033	0.000
0	15B_Corr	47.048	47.048	0.000
50	A92_Biased	47.560	48.702	-1.142
50	A93_Biased	46.991	48.147	-1.156
50	B12_Biased	47.017	47.590	-0.573
50	B13_Biased	45.892	47.036	-1.144
50	C14_Biased	44.772	46.486	-1.714
50	A95_Unbiased	46.440	47.594	-1.154
50	A96_Unbiased	45.888	47.033	-1.145
50	B15_Unbiased	47.000	48.142	-1.142
50	B16_Unbiased	45.882	47.612	-1.730
50	C15_Unbiased	45.342	47.032	-1.690
0	106_Corr	45.339	47.067	-1.728
100	A97_Biased	45.335	45.931	-0.596
100	A99_Biased	46.999	47.040	-0.041
100	A100_Biased	47.570	47.600	-0.030
100	A101_Biased	45.882	45.915	-0.033
100	A102_Biased	47.576	47.028	0.548
100	A104_Biased	44.776	45.366	-0.590
100	A105_Biased	45.897	45.923	-0.026
100	B17_Biased	46.444	46.477	-0.033
100	B18_Biased	47.017	47.046	-0.029
100	B19_Biased	46.465	46.477	-0.012
100	B20_Biased	44.774	44.801	-0.027
100	B21_Biased	45.889	45.922	-0.033
100	B24_Biased	45.909	45.350	0.559
100	B25_Biased	46.448	46.472	-0.024
100	B26_Biased	46.456	45.917	0.539
100	C16_Biased	45.347	45.367	-0.020
100	C17_Biased	46.448	46.474	-0.026
100	C18_Biased	45.323	45.928	-0.605
100	C19_Biased	45.318	45.925	-0.607
100	C25_Biased	46.993	47.027	-0.034
100	C26_Biased	45.881	46.476	-0.595
100	C31_Biased	46.453	46.485	-0.032
100	A107_Unbiased	48.124	48.151	-0.027
100	A108_Unbiased	46.456	46.477	-0.021
100	A109_Unbiased	45.904	45.353	0.551
100	A110_Unbiased	46.448	47.039	-0.591
100	A111_Unbiased	45.327	45.264	-0.063
100	A112_Unbiased	46.995	47.603	-0.608
100	A113_Unbiased	46.461	46.484	-0.023
100	B27_Unbiased	46.448	45.911	0.537
100	B29_Unbiased	46.446	46.484	-0.038
100	B30_Unbiased	47.013	46.472	0.541
100	B31_Unbiased	46.443	47.039	-0.596
100	B32_Unbiased	48.159	46.472	1.687
100	B33_Unbiased	47.017	46.470	0.547
100	B34_Unbiased	47.590	46.483	1.107
100	B35_Unbiased	46.453	46.484	-0.031
100	C32_Unbiased	45.320	45.928	-0.608
100	C33_Unbiased	46.450	46.467	-0.017
100	C34_Unbiased	46.451	47.036	-0.585
100	C35_Unbiased	45.330	45.352	-0.022
100	C36_Unbiased	45.340	45.364	-0.024
100	C37_Unbiased	45.885	46.483	-0.598
100	C38_Unbiased	46.999	47.031	-0.032
	Max	48.159	48.702	1.687
	Average	46.225	46.411	-0.185
	Min	44.772	44.760	-1.730
	Std Dev	0.821	0.854	0.564

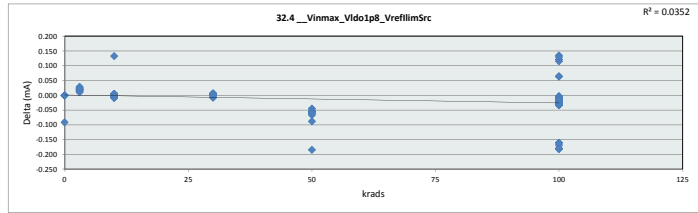


32.3_Vinmax_Vldo1p8_Vrefflin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100 mA					
Min Limit	6 mA					
krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	45.339	44.760	44.779	45.328	46.486	44.801
Average	46.586	45.830	46.056	46.450	47.537	46.339
Max	47.067	47.006	47.010	48.130	48.702	48.151
UL	100.000	100.000	100.000	100.000	100.000	100.000

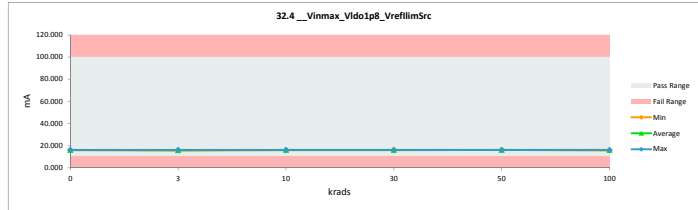


TID 100krad LDR Report
TPS7H3301-SP

32.4_Vinmax_Vldo1p8_Vrefllin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	16.051	16.051	0.000
3	A79_Biased	16.090	16.070	0.020
3	A80_Unbiased	16.053	16.032	0.021
3	B1_Biased	16.130	16.116	0.014
3	B2_Biased	15.729	15.702	0.027
3	C1_Biased	15.726	15.702	0.024
3	A82_Unbiased	16.127	16.098	0.029
3	A83_Unbiased	16.099	16.082	0.017
3	B4_Unbiased	15.739	15.721	0.018
3	B5_Unbiased	16.053	16.042	0.011
3	C2_Unbiased	16.071	16.048	0.023
10	A85_Biased	16.149	16.143	0.006
10	A86_Biased	16.043	15.910	0.133
10	B6_Biased	16.084	16.087	-0.003
10	C3_Biased	16.102	16.109	-0.007
10	C4_Biased	16.050	16.053	-0.003
10	A87_Unbiased	16.056	16.050	0.006
10	A88_Unbiased	16.118	16.115	0.003
10	B7_Unbiased	16.056	16.053	0.003
10	C5_Unbiased	16.065	16.059	0.006
10	C6_Unbiased	16.059	16.068	-0.009
0	106_Corr	16.044	16.044	0.000
30	A89_Biased	16.046	16.047	-0.001
30	B8_Biased	16.084	16.091	-0.007
30	B9_Biased	16.158	16.150	0.008
30	C7_Biased	16.046	16.041	0.005
30	C9_Biased	16.046	16.044	0.002
30	A90_Unbiased	16.118	16.115	0.003
30	B10_Unbiased	16.158	16.156	0.002
30	B11_Unbiased	16.112	16.106	0.006
30	C11_Unbiased	16.078	16.084	-0.006
30	C12_Unbiased	16.099	16.094	0.005
0	106_Corr	16.115	16.115	0.000
0	158_Corr	16.081	16.081	0.000
50	A92_Biased	16.109	16.175	-0.066
50	A93_Biased	16.059	16.103	-0.044
50	B12_Biased	16.149	16.202	-0.053
50	B13_Biased	15.910	16.094	-0.184
50	C14_Biased	16.071	16.122	-0.051
50	A95_Unbiased	16.096	16.150	-0.054
50	A96_Unbiased	16.084	16.143	-0.059
50	B15_Unbiased	16.109	16.165	-0.056
50	B16_Unbiased	16.134	16.196	-0.062
50	C15_Unbiased	16.062	16.150	-0.088
0	106_Corr	16.044	16.135	-0.091
100	A97_Biased	16.115	16.141	-0.026
100	A99_Biased	16.078	16.085	-0.007
100	A100_Biased	16.124	16.147	-0.023
100	A101_Biased	16.099	16.116	-0.017
100	A102_Biased	16.096	16.107	-0.011
100	A104_Biased	15.739	15.907	-0.168
100	A105_Biased	15.906	15.929	-0.023
100	B17_Biased	16.109	16.138	-0.029
100	B18_Biased	16.087	16.107	-0.020
100	B19_Biased	16.084	16.116	-0.032
100	B20_Biased	16.071	16.094	-0.023
100	B21_Biased	16.140	16.144	-0.004
100	B24_Biased	16.053	15.932	0.121
100	B25_Biased	16.062	16.075	-0.013
100	B26_Biased	16.068	15.932	0.136
100	C16_Biased	16.053	16.072	-0.019
100	C17_Biased	16.106	16.128	-0.022
100	C18_Biased	15.910	15.938	-0.028
100	C19_Biased	15.906	16.066	-0.160
100	C25_Biased	16.121	16.138	-0.017
100	C26_Biased	15.900	16.082	-0.182
100	C31_Biased	16.090	16.107	-0.017
100	A107_Unbiased	16.121	16.132	-0.011
100	A108_Unbiased	16.171	16.194	-0.023
100	A109_Unbiased	15.711	15.595	0.116
100	A110_Unbiased	15.906	16.085	-0.179
100	A111_Unbiased	16.065	16.085	-0.020
100	A112_Unbiased	16.087	16.119	-0.032
100	A113_Unbiased	16.084	16.116	-0.032
100	B27_Unbiased	15.891	15.761	0.130
100	B29_Unbiased	16.074	16.082	-0.008
100	B30_Unbiased	16.130	16.132	-0.002
100	B31_Unbiased	16.087	16.113	-0.026
100	B32_Unbiased	16.218	16.153	0.065
100	B33_Unbiased	16.118	16.125	-0.007
100	B34_Unbiased	16.171	16.107	0.064
100	B35_Unbiased	16.109	16.119	-0.010
100	C32_Unbiased	16.071	16.094	-0.023
100	C33_Unbiased	16.102	16.125	-0.023
100	C34_Unbiased	16.112	16.141	-0.029
100	C35_Unbiased	15.906	16.066	-0.160
100	C36_Unbiased	15.894	15.926	-0.032
100	C37_Unbiased	16.084	16.116	-0.032
100	C38_Unbiased	16.090	16.103	-0.013
	Max	16.218	16.202	0.136
	Average	16.054	16.069	-0.015
	Min	15.711	15.595	-0.184
	Std Dev	0.104	0.111	0.059

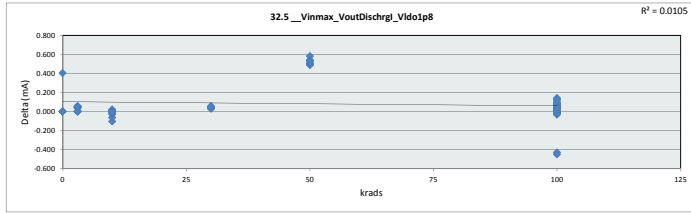


32.4_Vinmax_Vldo1p8_Vrefll						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	16.044	15.702	15.910	16.041	16.094	15.595
Average	16.085	15.961	16.065	16.093	16.150	16.068
Max	16.135	16.116	16.143	16.156	16.202	16.194
UL	100.000	100.000	100.000	100.000	100.000	100.000

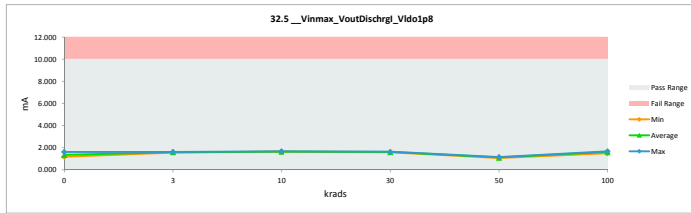


TID 100krad LDR Report
TPS7H3301-SP

32.5_Vinmax_VoutDischrgl_Vi				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.488	1.488	0.000
3	A79_Biased	1.641	1.601	0.040
3	A80_Biased	1.599	1.600	-0.001
3	B1_Biased	1.654	1.610	0.044
3	B2_Biased	1.604	1.559	0.045
3	C1_Biased	1.635	1.576	0.059
3	A82_Unbiased	1.595	1.595	0.000
3	A83_Unbiased	1.589	1.589	0.000
3	B4_Unbiased	1.611	1.563	0.048
3	B5_Unbiased	1.636	1.589	0.047
3	C2_Unbiased	1.641	1.585	0.056
10	A85_Biased	1.604	1.667	-0.063
10	A86_Biased	1.650	1.652	-0.102
10	B6_Biased	1.643	1.633	0.010
10	C3_Biased	1.665	1.642	0.023
10	C4_Biased	1.636	1.624	0.012
10	A87_Unbiased	1.644	1.657	-0.013
10	A88_Unbiased	1.633	1.661	-0.028
10	B7_Unbiased	1.638	1.652	-0.014
10	C5_Unbiased	1.640	1.643	-0.003
10	C6_Unbiased	1.658	1.662	-0.004
0	106_Corr	1.621	1.621	0.000
30	A89_Biased	1.624	1.592	0.032
30	B8_Biased	1.636	1.597	0.039
30	B9_Biased	1.632	1.591	0.041
30	C7_Biased	1.656	1.600	0.056
30	C9_Biased	1.650	1.607	0.043
30	A90_Unbiased	1.656	1.625	0.031
30	B10_Unbiased	1.638	1.604	0.034
30	B11_Unbiased	1.646	1.609	0.037
30	C11_Unbiased	1.656	1.601	0.055
30	C12_Unbiased	1.649	1.596	0.053
0	106_Corr	1.174	1.174	0.000
0	15B_Corr	1.189	1.189	0.000
50	A92_Biased	1.641	1.146	0.495
50	A93_Biased	1.629	1.125	0.504
50	B12_Biased	1.636	1.110	0.526
50	B13_Biased	1.601	1.057	0.544
50	C14_Biased	1.653	1.071	0.582
50	A95_Unbiased	1.626	1.124	0.502
50	A96_Unbiased	1.637	1.108	0.529
50	B15_Unbiased	1.634	1.145	0.489
50	B16_Unbiased	1.631	1.104	0.527
50	C15_Unbiased	1.632	1.105	0.527
0	106_Corr	1.621	1.621	0.000
100	A97_Biased	1.655	1.623	0.032
100	A99_Biased	1.623	1.580	0.043
100	A100_Biased	1.608	1.533	0.075
100	A101_Biased	1.643	1.609	0.034
100	A102_Biased	1.638	1.614	0.024
100	A104_Biased	1.640	1.497	0.143
100	A105_Biased	1.636	1.571	0.065
100	B17_Biased	1.628	1.565	0.063
100	B18_Biased	1.614	1.579	0.035
100	B19_Biased	1.645	1.580	0.065
100	B20_Biased	1.638	1.620	0.018
100	B21_Biased	1.644	1.603	0.041
100	B24_Biased	1.622	1.609	0.013
100	B25_Biased	1.641	1.656	-0.015
100	B26_Biased	1.631	1.645	-0.014
100	C16_Biased	1.631	1.582	0.049
100	C17_Biased	1.663	1.575	0.088
100	C18_Biased	1.647	1.587	0.060
100	C19_Biased	1.659	1.546	0.113
100	C25_Biased	1.655	1.638	0.017
100	C26_Biased	1.647	1.518	0.129
100	C31_Biased	1.647	1.619	0.028
100	A107_Unbiased	1.612	1.549	0.063
100	A108_Unbiased	1.594	1.572	0.022
100	A109_Unbiased	1.563	1.595	-0.032
100	A110_Unbiased	1.631	1.583	0.048
100	A111_Unbiased	1.631	1.590	0.041
100	A112_Unbiased	1.628	1.576	0.052
100	A113_Unbiased	1.637	1.588	0.049
100	B27_Unbiased	1.623	1.637	-0.014
100	B29_Unbiased	1.650	1.672	-0.022
100	B30_Unbiased	1.646	1.644	0.002
100	B31_Unbiased	1.641	1.647	-0.006
100	B32_Unbiased	1.205	1.653	-0.448
100	B33_Unbiased	1.638	1.655	-0.017
100	B34_Unbiased	1.196	1.625	-0.429
100	B35_Unbiased	1.647	1.662	-0.015
100	C32_Unbiased	1.628	1.558	0.070
100	C33_Unbiased	1.646	1.639	0.007
100	C34_Unbiased	1.668	1.649	0.019
100	C35_Unbiased	1.642	1.574	0.068
100	C36_Unbiased	1.631	1.548	0.083
100	C37_Unbiased	1.655	1.559	0.096
100	C38_Unbiased	1.662	1.621	0.041
	Max	1.668	1.672	0.582
	Average	1.612	1.534	0.078
	Min	1.174	1.057	-0.448
	Std Dev	0.095	0.173	0.182

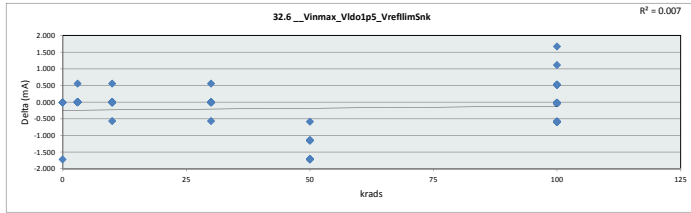


32.5_Vinmax_VoutDischrgl						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	10	mA				
Min Limit	0	mA				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.174	1.559	1.624	1.591	1.057	1.497
Average	1.337	1.586	1.649	1.602	1.110	1.599
Max	1.621	1.610	1.667	1.625	1.146	1.672
UL	10.000	10.000	10.000	10.000	10.000	10.000

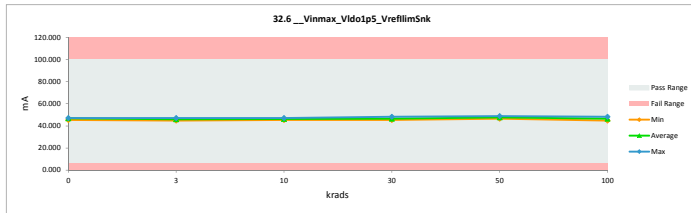


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32.6_Vinmax_Vldo1p5_Vreflin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	6	6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	47.074	47.074	0.000
3	A79_Biased	47.064	47.055	0.009
3	A80_Unbiased	44.837	44.836	0.001
3	B1_Biased	45.955	45.947	0.008
3	B2_Biased	44.835	44.832	0.003
3	C1_Biased	45.394	45.383	0.011
3	A82_Unbiased	47.625	47.058	0.567
3	A83_Unbiased	47.063	47.050	0.013
3	B4_Unbiased	44.839	44.833	0.006
3	B5_Unbiased	45.954	45.945	0.009
3	C2_Unbiased	45.943	45.937	0.006
10	A85_Biased	46.517	46.505	0.012
10	A86_Biased	45.949	45.949	0.000
10	B6_Biased	45.950	46.512	-0.562
10	C3_Biased	46.505	46.509	-0.004
10	C4_Biased	45.394	45.393	0.001
10	A87_Unbiased	47.066	46.504	0.562
10	A88_Unbiased	47.064	47.060	0.004
10	B7_Unbiased	46.506	46.507	-0.001
10	C5_Unbiased	45.398	45.396	0.002
10	C6_Unbiased	45.950	45.951	-0.001
0	106_Corr	45.396	45.396	0.000
30	A89_Biased	46.513	45.951	0.562
30	B8_Biased	46.509	47.065	-0.556
30	B9_Biased	46.509	46.507	0.002
30	C7_Biased	45.395	45.396	-0.001
30	C9_Biased	45.396	45.394	0.002
30	A90_Unbiased	48.177	48.176	0.001
30	B10_Unbiased	47.621	47.618	0.003
30	B11_Unbiased	46.512	46.508	0.004
30	C11_Unbiased	46.507	46.510	-0.003
30	C12_Unbiased	45.954	45.948	0.006
0	106_Corr	47.094	47.094	0.000
0	158_Corr	47.096	47.096	0.000
50	A92_Biased	47.616	48.757	-1.141
50	A93_Biased	47.060	48.203	-1.143
50	B12_Biased	47.069	48.213	-1.144
50	B13_Biased	45.953	47.669	-1.716
50	C14_Biased	44.842	46.538	-1.696
50	A95_Unbiased	46.505	47.640	-1.135
50	A96_Unbiased	45.953	47.668	-1.715
50	B15_Unbiased	47.624	48.201	-0.577
50	B16_Unbiased	45.956	47.662	-1.706
50	C15_Unbiased	45.388	47.090	-1.702
0	106_Corr	45.396	47.107	-1.711
100	A97_Biased	45.955	45.968	-0.013
100	A99_Biased	47.061	47.087	-0.026
100	A100_Biased	47.619	47.644	-0.025
100	A101_Biased	45.955	45.976	-0.021
100	A102_Biased	47.621	47.089	0.532
100	A104_Biased	45.398	45.420	-0.022
100	A105_Biased	45.952	45.979	-0.027
100	B17_Biased	46.505	47.095	-0.590
100	B18_Biased	47.064	47.087	-0.023
100	B19_Biased	46.509	46.535	-0.026
100	B20_Biased	44.842	44.862	-0.020
100	B21_Biased	46.516	46.536	-0.020
100	B24_Biased	45.956	45.417	0.539
100	B25_Biased	46.508	46.522	-0.014
100	B26_Biased	46.503	45.974	0.529
100	C16_Biased	45.393	45.413	-0.020
100	C17_Biased	47.066	47.088	-0.022
100	C18_Biased	45.387	45.974	-0.587
100	C19_Biased	45.394	45.974	-0.580
100	C25_Biased	47.063	47.082	-0.019
100	C26_Biased	45.944	46.535	-0.591
100	C31_Biased	46.505	46.522	-0.017
100	A107_Unbiased	48.178	48.196	-0.018
100	A108_Unbiased	46.514	46.539	-0.025
100	A109_Unbiased	45.942	45.415	0.527
100	A110_Unbiased	46.509	47.086	-0.577
100	A111_Unbiased	45.944	45.982	-0.038
100	A112_Unbiased	47.062	47.641	-0.579
100	A113_Unbiased	46.506	46.528	-0.022
100	B27_Unbiased	46.506	45.976	0.530
100	B29_Unbiased	46.508	46.526	-0.018
100	B30_Unbiased	47.067	47.089	-0.022
100	B31_Unbiased	47.070	47.085	-0.015
100	B32_Unbiased	48.212	46.532	1.680
100	B33_Unbiased	47.058	46.532	0.526
100	B34_Unbiased	47.649	46.525	1.124
100	B35_Unbiased	46.508	46.527	-0.019
100	C32_Unbiased	45.393	45.963	-0.570
100	C33_Unbiased	46.506	46.525	-0.019
100	C34_Unbiased	47.068	47.078	-0.010
100	C35_Unbiased	45.997	45.416	-0.019
100	C36_Unbiased	45.389	45.977	-0.588
100	C37_Unbiased	45.952	46.533	-0.581
100	C38_Unbiased	47.064	47.087	-0.023
	Max	48.212	48.757	1.680
	Average	46.372	46.541	-0.169
	Min	44.835	44.832	-1.716
	Std Dev	0.830	0.858	0.596

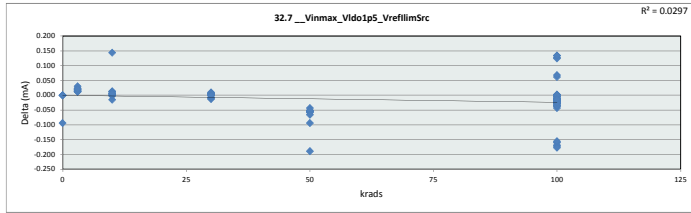


32.6_Vinmax_Vldo1p5_Vreflin						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	6	mA				
Krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	45.396	44.832	45.393	45.394	46.538	44.862
Average	46.753	45.888	46.229	46.507	47.764	46.467
Max	47.107	47.058	47.060	48.176	48.757	48.196
UL	100.000	100.000	100.000	100.000	100.000	100.000

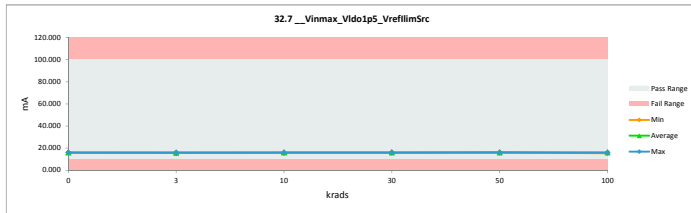


TID 100krad LDR Report
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32.7_Vinmax_Vldo1p5_Vrefllin				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	16.042	16.042	0.000
3	A79_Biased	16.081	16.060	0.021
3	A80_Biased	16.046	16.023	0.023
3	B1_Biased	16.118	16.104	0.014
3	B2_Biased	15.717	15.699	0.018
3	C1_Biased	15.707	15.696	0.011
3	A82_Unbiased	16.115	16.085	0.030
3	A83_Unbiased	16.087	16.070	0.017
3	B4_Unbiased	15.729	15.715	0.014
3	B5_Unbiased	16.046	16.035	0.011
3	C2_Unbiased	16.062	16.042	0.020
10	A85_Biased	16.143	16.130	0.013
10	A86_Biased	16.043	15.900	0.143
10	B6_Biased	16.078	16.081	-0.003
10	C3_Biased	16.090	16.106	-0.016
10	C4_Biased	16.043	16.040	0.003
10	A87_Unbiased	16.043	16.043	0.000
10	A88_Unbiased	16.106	16.102	0.004
10	B7_Unbiased	16.056	16.043	0.013
10	C5_Unbiased	16.053	16.046	0.007
10	C6_Unbiased	16.056	16.050	0.006
0	106_Corr	16.038	16.038	0.000
30	A89_Biased	16.040	16.038	0.002
30	B8_Biased	16.071	16.084	-0.013
30	B9_Biased	16.146	16.137	0.009
30	C7_Biased	16.040	16.035	0.005
30	C9_Biased	16.043	16.044	-0.001
30	A90_Unbiased	16.112	16.106	0.006
30	B10_Unbiased	16.143	16.153	-0.010
30	B11_Unbiased	16.102	16.097	0.005
30	C11_Unbiased	16.071	16.078	-0.007
30	C12_Unbiased	16.087	16.087	0.000
0	106_Corr	16.103	16.103	0.000
0	158_Corr	16.078	16.078	0.000
50	A92_Biased	16.106	16.162	-0.056
50	A93_Biased	16.053	16.143	-0.053
50	B12_Biased	16.137	16.196	-0.059
50	B13_Biased	15.897	16.087	-0.190
50	C14_Biased	16.062	16.115	-0.053
50	A95_Unbiased	16.090	16.143	-0.053
50	A96_Unbiased	16.074	16.131	-0.057
50	B15_Unbiased	16.102	16.153	-0.051
50	B16_Unbiased	16.121	16.187	-0.066
50	C15_Unbiased	16.046	16.140	-0.094
0	106_Corr	16.138	16.132	-0.094
100	A97_Biased	16.112	16.141	-0.029
100	A99_Biased	16.074	16.079	-0.005
100	A100_Biased	16.118	16.132	-0.014
100	A101_Biased	16.090	16.107	-0.017
100	A102_Biased	16.084	16.088	-0.004
100	A104_Biased	15.729	15.901	-0.172
100	A105_Biased	16.031	16.060	-0.029
100	B17_Biased	16.106	16.125	-0.019
100	B18_Biased	16.081	16.097	-0.016
100	B19_Biased	16.074	16.107	-0.033
100	B20_Biased	16.062	16.082	-0.020
100	B21_Biased	16.127	16.132	-0.005
100	B24_Biased	16.043	15.916	0.127
100	B25_Biased	16.050	16.072	-0.022
100	B26_Biased	16.056	15.923	0.133
100	C16_Biased	16.046	16.057	-0.011
100	C17_Biased	16.102	16.113	-0.011
100	C18_Biased	15.903	16.063	-0.160
100	C19_Biased	15.897	16.066	-0.169
100	C25_Biased	16.112	16.135	-0.023
100	C26_Biased	15.891	16.069	-0.178
100	C31_Biased	16.084	16.100	-0.016
100	A107_Unbiased	16.109	16.132	-0.023
100	A108_Unbiased	16.162	16.184	-0.022
100	A109_Unbiased	15.707	15.583	0.124
100	A110_Unbiased	16.028	16.072	-0.044
100	A111_Unbiased	16.059	16.072	-0.013
100	A112_Unbiased	16.078	16.116	-0.038
100	A113_Unbiased	16.081	16.100	-0.019
100	B27_Unbiased	15.885	15.751	0.134
100	B29_Unbiased	16.065	16.072	-0.007
100	B30_Unbiased	16.121	16.119	0.002
100	B31_Unbiased	16.071	16.107	-0.036
100	B32_Unbiased	16.208	16.147	0.061
100	B33_Unbiased	16.118	16.116	0.002
100	B34_Unbiased	16.165	16.097	0.068
100	B35_Unbiased	16.106	16.107	-0.001
100	C32_Unbiased	16.065	16.088	-0.023
100	C33_Unbiased	16.102	16.125	-0.023
100	C34_Unbiased	16.106	16.135	-0.029
100	C35_Unbiased	15.894	16.050	-0.156
100	C36_Unbiased	15.888	15.923	-0.035
100	C37_Unbiased	16.084	16.110	-0.026
100	C38_Unbiased	16.081	16.094	-0.013
	Max	16.208	16.196	0.143
	Average	16.048	16.063	-0.014
	Min	15.707	15.583	-0.190
	Std Dev	0.102	0.108	0.060

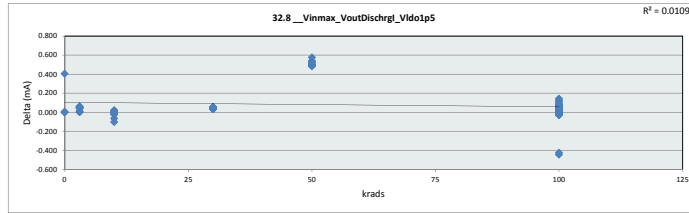


32.7_Vinmax_Vldo1p5_Vrefll						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
Krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	16.038	15.696	15.900	16.035	16.087	15.583
Average	16.079	15.953	16.054	16.086	16.141	16.065
Max	16.132	16.104	16.130	16.153	16.196	16.184
UL	100.000	100.000	100.000	100.000	100.000	100.000

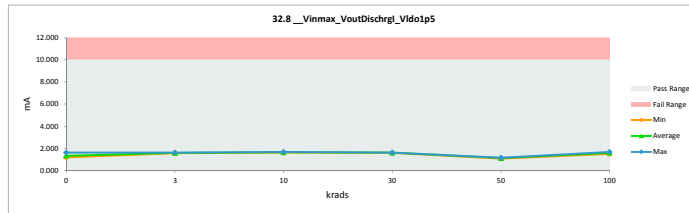


TID 100krad LDR Report
TPS7H3301-SP

32.8_Vinmax_VoutDischrgl_Vi				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.491	1.491	0.000
3	A79_Biased	1.644	1.602	0.042
3	A80_Biased	1.601	1.601	0.000
3	B1_Biased	1.655	1.611	0.044
3	B2_Biased	1.607	1.561	0.046
3	C1_Biased	1.639	1.577	0.062
3	A82_Unbiased	1.598	1.597	0.001
3	A83_Unbiased	1.593	1.582	0.011
3	B4_Unbiased	1.614	1.565	0.049
3	B5_Unbiased	1.638	1.591	0.047
3	C2_Unbiased	1.643	1.586	0.057
10	A85_Biased	1.605	1.671	-0.066
10	A86_Biased	1.653	1.655	-0.102
10	B6_Biased	1.646	1.635	0.011
10	C3_Biased	1.667	1.644	0.023
10	C4_Biased	1.637	1.627	0.010
10	A87_Unbiased	1.645	1.660	-0.015
10	A88_Unbiased	1.635	1.662	-0.027
10	B7_Unbiased	1.639	1.656	-0.017
10	C5_Unbiased	1.643	1.645	-0.002
10	C6_Unbiased	1.663	1.664	-0.001
0	106_Corr	1.623	1.623	0.000
30	A89_Biased	1.627	1.594	0.033
30	B8_Biased	1.639	1.600	0.039
30	B9_Biased	1.633	1.594	0.039
30	C7_Biased	1.658	1.602	0.056
30	C9_Biased	1.652	1.610	0.042
30	A90_Unbiased	1.659	1.627	0.032
30	B10_Unbiased	1.640	1.606	0.034
30	B11_Unbiased	1.650	1.611	0.039
30	C11_Unbiased	1.657	1.603	0.054
30	C12_Unbiased	1.651	1.598	0.053
0	106_Corr	1.180	1.180	0.000
0	15B_Corr	1.193	1.193	0.000
50	A92_Biased	1.644	1.154	0.490
50	A93_Biased	1.630	1.130	0.500
50	B12_Biased	1.638	1.117	0.521
50	B13_Biased	1.606	1.066	0.540
50	C14_Biased	1.655	1.078	0.577
50	A95_Unbiased	1.628	1.130	0.498
50	A96_Unbiased	1.640	1.114	0.526
50	B15_Unbiased	1.634	1.151	0.483
50	B16_Unbiased	1.632	1.112	0.520
50	C15_Unbiased	1.633	1.112	0.521
0	106_Corr	1.623	1.219	0.404
100	A97_Biased	1.658	1.626	0.032
100	A99_Biased	1.627	1.583	0.044
100	A100_Biased	1.611	1.535	0.076
100	A101_Biased	1.645	1.611	0.034
100	A102_Biased	1.639	1.616	0.023
100	A104_Biased	1.642	1.501	0.141
100	A105_Biased	1.636	1.574	0.062
100	B17_Biased	1.630	1.568	0.062
100	B18_Biased	1.616	1.582	0.034
100	B19_Biased	1.649	1.584	0.065
100	B20_Biased	1.640	1.622	0.018
100	B21_Biased	1.647	1.606	0.041
100	B24_Biased	1.624	1.612	0.012
100	B25_Biased	1.643	1.658	-0.015
100	B26_Biased	1.632	1.647	-0.015
100	C16_Biased	1.633	1.585	0.048
100	C17_Biased	1.664	1.578	0.086
100	C18_Biased	1.660	1.590	0.069
100	C19_Biased	1.660	1.549	0.111
100	C25_Biased	1.658	1.640	0.018
100	C26_Biased	1.648	1.521	0.127
100	C31_Biased	1.648	1.622	0.026
100	A107_Unbiased	1.615	1.572	0.043
100	A108_Unbiased	1.597	1.575	0.022
100	A109_Unbiased	1.565	1.598	-0.033
100	A110_Unbiased	1.633	1.586	0.047
100	A111_Unbiased	1.631	1.593	0.038
100	A112_Unbiased	1.631	1.578	0.053
100	A113_Unbiased	1.639	1.590	0.049
100	B27_Unbiased	1.624	1.640	-0.016
100	B29_Unbiased	1.652	1.673	-0.021
100	B30_Unbiased	1.634	1.648	-0.014
100	B31_Unbiased	1.643	1.649	-0.006
100	B32_Unbiased	1.209	1.655	-0.446
100	B33_Unbiased	1.639	1.657	-0.018
100	B34_Unbiased	1.200	1.627	-0.427
100	B35_Unbiased	1.649	1.665	-0.016
100	C32_Unbiased	1.630	1.560	0.070
100	C33_Unbiased	1.648	1.642	0.006
100	C34_Unbiased	1.670	1.651	0.019
100	C35_Unbiased	1.645	1.577	0.068
100	C36_Unbiased	1.634	1.551	0.083
100	C37_Unbiased	1.658	1.563	0.095
100	C38_Unbiased	1.663	1.624	0.039
	Max	1.670	1.673	0.577
	Average	1.614	1.537	0.078
	Min	1.180	1.066	-0.446
	Std Dev	0.095	0.172	0.181

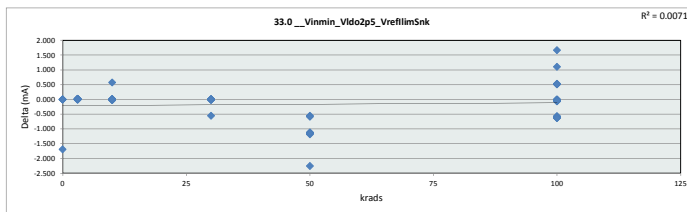


32.8_Vinmax_VoutDischrgl						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	10	mA				
Min Limit	0	mA				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.180	1.561	1.627	1.594	1.066	1.501
Average	1.341	1.587	1.652	1.605	1.116	1.602
Max	1.623	1.611	1.671	1.627	1.154	1.673
UL	10.000	10.000	10.000	10.000	10.000	10.000

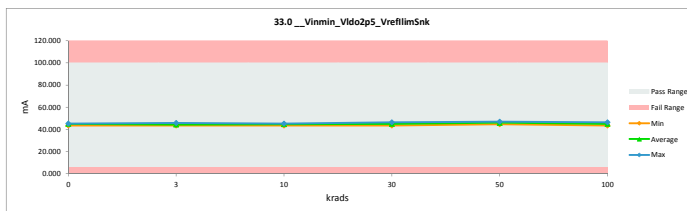


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33.0_Vinmin_Vldo2p5_Vrefllim				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	45.209	45.209	0.000
3	A79_Biased	45.253	45.227	0.026
3	A80_Biased	43.553	43.558	-0.005
3	B1_Biased	44.112	44.098	0.014
3	B2_Biased	43.544	43.531	0.013
3	C1_Biased	43.557	43.560	-0.003
3	A82_Unbiased	45.784	45.764	0.020
3	A83_Unbiased	45.234	45.218	0.016
3	B4_Unbiased	43.541	43.535	0.006
3	B5_Unbiased	44.687	44.664	0.023
3	C2_Unbiased	44.121	44.114	0.007
10	A85_Biased	45.225	45.242	-0.017
10	A86_Biased	44.684	44.113	0.571
10	B6_Biased	44.666	44.661	0.005
10	C3_Biased	44.662	44.685	-0.023
10	C4_Biased	44.108	44.096	0.012
10	A87_Unbiased	45.224	45.211	0.013
10	A88_Unbiased	45.226	45.219	0.007
10	B7_Unbiased	45.222	45.219	0.003
10	C5_Unbiased	43.549	43.549	0.000
10	C6_Unbiased	44.662	44.657	0.005
0	106_Corr	43.583	43.583	0.000
30	A89_Biased	44.666	44.661	0.005
30	B8_Biased	45.221	45.223	-0.002
30	B9_Biased	44.680	44.683	-0.003
30	C7_Biased	44.103	44.102	0.001
30	C9_Biased	43.562	43.561	0.001
30	A90_Unbiased	46.329	46.336	-0.007
30	B10_Unbiased	45.798	45.812	-0.014
30	B11_Unbiased	45.221	45.225	-0.004
30	C11_Unbiased	44.686	45.235	-0.549
30	C12_Unbiased	44.696	44.680	0.016
0	106_Corr	45.246	45.246	0.000
0	15B_Corr	45.242	45.242	0.000
50	A92_Biased	45.813	46.929	-1.116
50	A93_Biased	45.796	46.350	-0.554
50	B12_Biased	45.224	46.362	-1.138
50	B13_Biased	44.675	45.804	-1.129
50	C14_Biased	43.545	44.692	-1.147
50	A95_Unbiased	45.227	45.812	-0.585
50	A96_Unbiased	44.665	45.808	-1.143
50	B15_Unbiased	45.773	46.953	-1.180
50	B16_Unbiased	44.670	45.802	-1.132
50	C15_Unbiased	43.579	45.835	-2.256
0	106_Corr	43.583	43.571	-1.088
100	A97_Biased	44.103	44.158	-0.055
100	A99_Biased	45.792	45.277	0.515
100	A100_Biased	45.797	45.833	-0.036
100	A101_Biased	44.661	44.699	-0.038
100	A102_Biased	45.785	45.825	-0.040
100	A104_Biased	43.548	44.146	-0.598
100	A105_Biased	44.684	44.706	-0.022
100	B17_Biased	45.225	45.256	-0.031
100	B18_Biased	45.230	45.254	-0.024
100	B19_Biased	44.667	45.281	-0.614
100	B20_Biased	43.554	43.599	-0.045
100	B21_Biased	44.667	44.697	-0.030
100	B24_Biased	44.110	44.143	-0.033
100	B25_Biased	45.249	44.715	0.534
100	B26_Biased	44.681	44.708	-0.027
100	C16_Biased	43.577	43.602	-0.025
100	C17_Biased	45.217	45.258	-0.041
100	C18_Biased	44.100	44.160	-0.060
100	C19_Biased	44.102	44.732	-0.630
100	C25_Biased	45.774	45.813	-0.039
100	C26_Biased	44.660	45.256	-0.596
100	C31_Biased	44.687	44.711	-0.024
100	A107_Unbiased	46.351	46.376	-0.025
100	A108_Unbiased	45.257	45.269	-0.012
100	A109_Unbiased	44.134	44.140	-0.006
100	A110_Unbiased	45.235	45.259	-0.024
100	A111_Unbiased	44.107	44.147	-0.040
100	A112_Unbiased	45.789	45.808	-0.019
100	A113_Unbiased	44.681	44.710	-0.029
100	B27_Unbiased	44.684	44.709	-0.025
100	B29_Unbiased	44.697	44.696	0.001
100	B30_Unbiased	45.243	45.255	-0.012
100	B31_Unbiased	45.224	45.263	-0.039
100	B32_Unbiased	46.360	45.256	1.104
100	B33_Unbiased	45.227	45.255	-0.028
100	B34_Unbiased	46.379	44.714	1.665
100	B35_Unbiased	44.693	44.706	-0.013
100	C32_Unbiased	44.101	44.153	-0.052
100	C33_Unbiased	44.690	45.283	-0.593
100	C34_Unbiased	45.224	45.255	-0.031
100	C35_Unbiased	44.109	44.136	-0.027
100	C36_Unbiased	43.575	44.135	-0.560
100	C37_Unbiased	44.659	45.290	-0.631
100	C38_Unbiased	45.799	45.277	0.522
	Max	46.379	46.953	1.665
	Average	44.781	44.925	-0.155
	Min	43.541	43.531	-2.256
	Std Dev	0.771	0.787	0.518

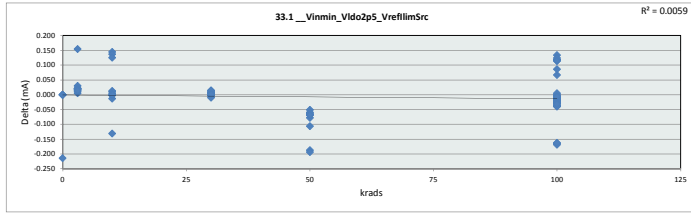


33.0_Vinmin_Vldo2p5_Vrefllim						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	0	mA				
Krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	43.583	43.531	43.549	43.561	44.692	43.599
Average	44.910	44.327	44.665	44.952	46.035	44.885
Max	45.271	45.784	45.242	46.336	46.953	46.376
UL	100.000	100.000	100.000	100.000	100.000	100.000

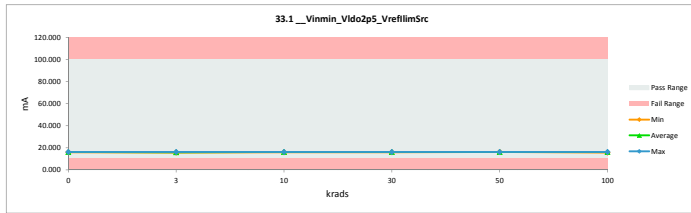


TID 100krad LDR Report
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33.1_Vinmin_Vldo2p5_Vreflim				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	16.082	16.082	0.000
3	A79_Biased	16.121	16.101	0.020
3	A80_Biased	16.087	15.933	0.154
3	B1_Biased	16.165	16.160	0.005
3	B2_Biased	15.757	15.736	0.021
3	C1_Biased	15.751	15.733	0.018
3	A82_Unbiased	16.162	16.132	0.030
3	A83_Unbiased	16.134	16.113	0.021
3	B4_Unbiased	15.763	15.752	0.011
3	B5_Unbiased	16.087	16.070	0.017
3	C2_Unbiased	16.099	16.085	0.014
10	A85_Biased	16.199	16.190	0.009
10	A86_Biased	16.078	15.934	0.144
10	B6_Biased	16.127	16.115	0.012
10	C3_Biased	16.130	16.143	-0.013
10	C4_Biased	15.950	16.081	-0.131
10	A87_Unbiased	16.084	15.947	0.137
10	A88_Unbiased	16.149	16.152	-0.003
10	B7_Unbiased	16.087	15.962	0.125
10	C5_Unbiased	16.087	16.084	0.003
10	C6_Unbiased	16.090	16.090	0.000
0	106_Corr	15.951	15.951	0.000
30	A89_Biased	15.950	15.944	0.006
30	B8_Biased	16.118	16.122	-0.004
30	B9_Biased	16.199	16.190	0.009
30	C7_Biased	15.950	15.947	0.003
30	C9_Biased	15.953	15.947	0.006
30	A90_Unbiased	16.162	16.150	0.012
30	B10_Unbiased	16.196	16.199	-0.003
30	B11_Unbiased	16.152	16.137	0.015
30	C11_Unbiased	16.112	16.122	-0.010
30	C12_Unbiased	16.130	16.128	0.002
0	106_Corr	16.147	16.147	0.000
0	15B_Corr	16.119	16.119	0.000
50	A92_Biased	16.140	16.218	-0.078
50	A93_Biased	15.956	16.143	-0.187
50	B12_Biased	16.180	16.249	-0.069
50	B13_Biased	15.934	16.128	-0.194
50	C14_Biased	16.096	16.159	-0.063
50	A95_Unbiased	16.127	16.196	-0.069
50	A96_Unbiased	16.124	16.175	-0.051
50	B15_Unbiased	16.146	16.206	-0.060
50	B16_Unbiased	16.174	16.243	-0.069
50	C15_Unbiased	16.084	16.190	-0.106
0	106_Corr	15.951	16.166	-0.215
100	A97_Biased	16.149	16.175	-0.026
100	A99_Biased	16.106	16.116	-0.010
100	A100_Biased	16.162	16.181	-0.019
100	A101_Biased	16.134	16.150	-0.016
100	A102_Biased	16.124	16.138	-0.014
100	A104_Biased	15.767	15.932	-0.165
100	A105_Biased	15.944	15.960	-0.016
100	B17_Biased	16.143	16.172	-0.029
100	B18_Biased	16.121	16.138	-0.017
100	B19_Biased	16.115	16.153	-0.038
100	B20_Biased	16.099	16.110	-0.011
100	B21_Biased	16.174	16.175	-0.001
100	B24_Biased	16.081	15.963	0.118
100	B25_Biased	16.090	15.976	0.114
100	B26_Biased	16.093	15.960	0.133
100	C16_Biased	16.087	15.969	0.118
100	C17_Biased	16.146	16.150	-0.004
100	C18_Biased	15.934	15.960	-0.026
100	C19_Biased	15.938	15.976	-0.038
100	C25_Biased	16.152	16.169	-0.017
100	C26_Biased	15.931	16.100	-0.169
100	C31_Biased	16.127	16.144	-0.017
100	A107_Unbiased	16.155	16.175	-0.017
100	A108_Unbiased	16.214	16.234	-0.020
100	A109_Unbiased	15.614	15.620	-0.006
100	A110_Unbiased	15.944	16.107	-0.163
100	A111_Unbiased	16.096	16.107	-0.011
100	A112_Unbiased	16.115	16.150	-0.035
100	A113_Unbiased	16.124	16.138	-0.014
100	B27_Unbiased	15.916	15.792	0.124
100	B29_Unbiased	16.099	15.985	0.114
100	B30_Unbiased	16.168	16.163	0.005
100	B31_Unbiased	16.118	16.147	-0.029
100	B32_Unbiased	16.264	16.197	0.067
100	B33_Unbiased	16.152	16.160	-0.008
100	B34_Unbiased	16.221	16.135	0.086
100	B35_Unbiased	16.140	16.147	-0.007
100	C32_Unbiased	16.106	16.132	-0.026
100	C33_Unbiased	16.137	16.160	-0.023
100	C34_Unbiased	16.152	16.172	-0.020
100	C35_Unbiased	15.938	15.966	-0.028
100	C36_Unbiased	15.919	15.960	-0.041
100	C37_Unbiased	16.124	16.156	-0.032
100	C38_Unbiased	16.121	16.128	-0.007
	Max	16.264	16.249	0.154
	Average	16.075	16.084	-0.009
	Min	15.614	15.620	-0.215
	Std Dev	0.118	0.123	0.072

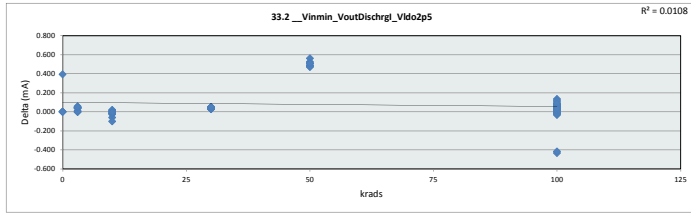


33.1_Vinmin_Vldo2p5_Vreflim						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
Krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	15.951	15.733	15.934	15.944	16.128	15.620
Average	16.093	15.982	16.070	16.089	16.191	16.084
Max	16.166	16.160	16.190	16.199	16.249	16.234
UL	100.000	100.000	100.000	100.000	100.000	100.000

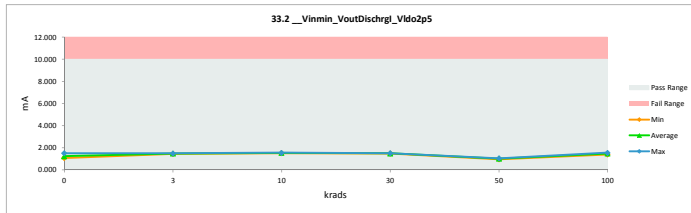


TID 100krad LDR Report
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33.2_Vinmin_VoutDischrgl_Vlc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.393	1.393	0.000
3	A79_Biased	1.541	1.502	0.039
3	A80_Biased	1.500	1.500	0.000
3	B1_Biased	1.552	1.509	0.043
3	B2_Biased	1.505	1.462	0.043
3	C1_Biased	1.533	1.476	0.057
3	A82_Unbiased	1.495	1.496	-0.001
3	A83_Unbiased	1.492	1.482	0.010
3	B4_Unbiased	1.511	1.465	0.046
3	B5_Unbiased	1.532	1.489	0.043
3	C2_Unbiased	1.539	1.486	0.053
10	A85_Biased	1.504	1.564	-0.060
10	A86_Biased	1.453	1.451	-0.098
10	B6_Biased	1.542	1.530	0.012
10	C3_Biased	1.564	1.541	0.023
10	C4_Biased	1.532	1.523	0.009
10	A87_Unbiased	1.540	1.557	-0.017
10	A88_Unbiased	1.531	1.558	-0.027
10	B7_Unbiased	1.534	1.551	-0.017
10	C5_Unbiased	1.539	1.541	-0.002
10	C6_Unbiased	1.560	1.561	-0.001
0	106_Corr	1.522	1.522	0.000
30	A89_Biased	1.526	1.495	0.031
30	B8_Biased	1.534	1.498	0.036
30	B9_Biased	1.529	1.493	0.036
30	C7_Biased	1.552	1.501	0.051
30	C9_Biased	1.548	1.509	0.039
30	A90_Unbiased	1.555	1.526	0.029
30	B10_Unbiased	1.536	1.505	0.031
30	B11_Unbiased	1.545	1.510	0.035
30	C11_Unbiased	1.554	1.503	0.051
30	C12_Unbiased	1.547	1.496	0.051
0	106_Corr	1.088	1.088	0.000
0	15B_Corr	1.102	1.102	0.000
50	A92_Biased	1.540	1.064	0.476
50	A93_Biased	1.526	1.040	0.486
50	B12_Biased	1.533	1.027	0.506
50	B13_Biased	1.504	0.978	0.526
50	C14_Biased	1.552	0.988	0.564
50	A95_Unbiased	1.525	1.040	0.485
50	A96_Unbiased	1.535	1.024	0.511
50	B15_Unbiased	1.531	1.060	0.471
50	B16_Unbiased	1.530	1.021	0.509
50	C15_Unbiased	1.529	1.019	0.510
0	106_Corr	1.522	1.126	0.396
100	A97_Biased	1.554	1.524	0.030
100	A99_Biased	1.522	1.482	0.040
100	A100_Biased	1.510	1.436	0.074
100	A101_Biased	1.541	1.509	0.032
100	A102_Biased	1.537	1.513	0.024
100	A104_Biased	1.540	1.403	0.137
100	A105_Biased	1.534	1.473	0.061
100	B17_Biased	1.525	1.466	0.059
100	B18_Biased	1.512	1.480	0.032
100	B19_Biased	1.545	1.481	0.064
100	B20_Biased	1.533	1.518	0.015
100	B21_Biased	1.541	1.503	0.038
100	B24_Biased	1.521	1.510	0.011
100	B25_Biased	1.539	1.554	-0.015
100	B26_Biased	1.529	1.543	-0.014
100	C16_Biased	1.529	1.483	0.046
100	C17_Biased	1.561	1.477	0.084
100	C18_Biased	1.546	1.498	0.058
100	C19_Biased	1.554	1.447	0.107
100	C25_Biased	1.554	1.536	0.018
100	C26_Biased	1.545	1.423	0.122
100	C31_Biased	1.546	1.520	0.026
100	A107_Unbiased	1.512	1.472	0.040
100	A108_Unbiased	1.494	1.474	0.020
100	A109_Unbiased	1.465	1.497	-0.032
100	A110_Unbiased	1.530	1.485	0.045
100	A111_Unbiased	1.529	1.492	0.037
100	A112_Unbiased	1.526	1.477	0.049
100	A113_Unbiased	1.537	1.489	0.048
100	B27_Unbiased	1.521	1.536	-0.015
100	B29_Unbiased	1.549	1.568	-0.019
100	B30_Unbiased	1.529	1.544	-0.015
100	B31_Unbiased	1.537	1.545	-0.008
100	B32_Unbiased	1.116	1.550	-0.434
100	B33_Unbiased	1.536	1.552	-0.016
100	B34_Unbiased	1.524	1.524	-0.416
100	B35_Unbiased	1.546	1.560	-0.014
100	C32_Unbiased	1.527	1.459	0.068
100	C33_Unbiased	1.545	1.538	0.007
100	C34_Unbiased	1.567	1.548	0.019
100	C35_Unbiased	1.539	1.475	0.064
100	C36_Unbiased	1.530	1.450	0.080
100	C37_Unbiased	1.553	1.461	0.092
100	C38_Unbiased	1.559	1.521	0.038
	Max	1.567	1.568	0.564
	Average	1.512	1.437	0.075
	Min	1.088	0.978	-0.434
	Std Dev	0.092	0.168	0.176

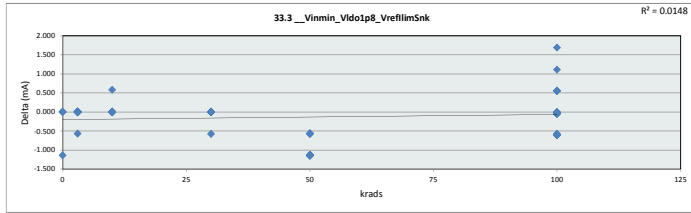


33.2_Vinmin_VoutDischrgl_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	10	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	1.088	1.462	1.523	1.493	0.978	1.403
Average	1.246	1.487	1.548	1.504	1.026	1.500
Max	1.522	1.509	1.564	1.526	1.064	1.568
UL	10.000	10.000	10.000	10.000	10.000	10.000

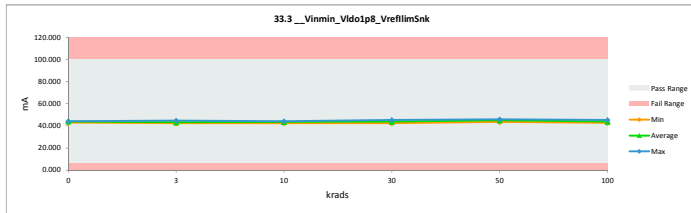


TID 100krad LDR Report
TPS7H3301-SP

33.3_Vinmin_Vldo1p8_Vrefllim				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	6	6		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	44.228	44.228	0.000
3	A79_Biased	44.233	44.219	0.014
3	A80_Unbiased	42.572	42.575	-0.003
3	B1_Biased	43.118	43.108	0.010
3	B2_Biased	42.562	42.557	0.005
3	C1_Biased	42.565	43.130	-0.565
3	A82_Unbiased	44.784	44.792	-0.008
3	A83_Unbiased	44.228	44.220	0.008
3	B4_Unbiased	42.565	42.561	0.004
3	B5_Unbiased	43.687	43.688	-0.001
3	C2_Unbiased	43.117	43.111	0.006
10	A85_Biased	44.248	44.249	-0.001
10	A86_Biased	43.695	43.115	0.580
10	B6_Biased	43.684	43.678	0.006
10	C3_Biased	43.671	43.667	0.004
10	C4_Biased	43.128	43.119	0.009
10	A87_Unbiased	44.222	44.237	-0.015
10	A88_Unbiased	44.235	44.230	0.005
10	B7_Unbiased	44.237	44.234	0.003
10	C5_Unbiased	42.561	42.557	0.004
10	C6_Unbiased	43.680	43.673	0.007
0	106_Corr	43.140	43.140	0.000
30	A89_Biased	43.673	43.671	0.002
30	B8_Biased	44.239	44.228	0.011
30	B9_Biased	43.677	43.674	0.003
30	C7_Biased	43.124	43.123	0.001
30	C9_Biased	42.558	42.558	0.003
30	A90_Unbiased	45.346	45.351	-0.005
30	B10_Unbiased	44.786	44.785	0.001
30	B11_Unbiased	44.244	44.246	-0.002
30	C11_Unbiased	43.672	44.246	-0.574
30	C12_Unbiased	43.696	43.698	-0.002
0	106_Corr	44.256	44.256	0.000
0	15B_Corr	44.261	44.261	0.000
50	A92_Biased	44.793	45.933	-1.140
50	A93_Biased	44.810	45.379	-0.569
50	B12_Biased	44.238	45.381	-1.143
50	B13_Biased	43.685	44.819	-1.134
50	C14_Biased	42.565	43.707	-1.142
50	A95_Unbiased	44.256	44.819	-0.563
50	A96_Unbiased	43.688	44.833	-1.145
50	B15_Unbiased	44.795	45.372	-0.577
50	B16_Unbiased	43.688	44.829	-1.141
50	C15_Unbiased	43.135	44.256	-1.121
0	106_Corr	43.140	44.281	-1.141
100	A97_Biased	43.124	43.146	-0.022
100	A99_Biased	44.811	44.252	0.559
100	A100_Biased	44.791	44.825	-0.034
100	A101_Biased	43.682	43.707	-0.025
100	A102_Biased	44.784	44.831	-0.047
100	A104_Biased	42.558	43.150	-0.592
100	A105_Biased	43.685	43.710	-0.025
100	B17_Biased	44.243	44.257	-0.014
100	B18_Biased	44.231	44.255	-0.024
100	B19_Biased	43.669	44.278	-0.609
100	B20_Biased	42.575	42.600	-0.025
100	B21_Biased	43.680	43.705	-0.025
100	B24_Biased	43.115	43.136	-0.021
100	B25_Biased	44.253	43.698	0.555
100	B26_Biased	43.678	43.712	-0.034
100	C16_Biased	43.136	43.162	-0.026
100	C17_Biased	44.226	44.255	-0.029
100	C18_Biased	43.120	43.142	-0.022
100	C19_Biased	43.121	43.722	-0.601
100	C25_Biased	44.796	44.816	-0.020
100	C26_Biased	43.670	44.262	-0.592
100	C31_Biased	43.675	43.695	-0.020
100	A107_Unbiased	45.343	45.372	-0.029
100	A108_Unbiased	44.260	44.280	-0.020
100	A109_Unbiased	43.696	43.141	0.555
100	A110_Unbiased	44.248	44.255	-0.007
100	A111_Unbiased	43.121	43.148	-0.027
100	A112_Unbiased	44.803	44.814	-0.011
100	A113_Unbiased	43.669	43.705	-0.036
100	B27_Unbiased	43.669	43.713	-0.044
100	B29_Unbiased	43.676	43.694	-0.018
100	B30_Unbiased	44.230	44.257	-0.027
100	B31_Unbiased	44.234	44.250	-0.016
100	B32_Unbiased	45.379	44.269	1.110
100	B33_Unbiased	44.224	44.261	-0.037
100	B34_Unbiased	45.393	43.699	1.694
100	B35_Unbiased	43.678	43.694	-0.016
100	C32_Unbiased	43.119	43.146	-0.027
100	C33_Unbiased	43.667	43.707	-0.040
100	C34_Unbiased	44.241	44.252	-0.011
100	C35_Unbiased	43.125	43.145	-0.020
100	C36_Unbiased	42.566	43.146	-0.580
100	C37_Unbiased	43.678	44.282	-0.604
100	C38_Unbiased	44.808	44.251	0.557
	Max	45.393	45.933	1.694
	Average	43.819	43.120	-0.120
	Min	42.558	42.555	-1.145
	Std Dev	0.736	0.741	0.459

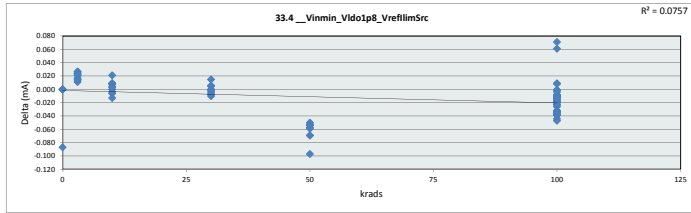


33.3_Vinmin_Vldo1p8_Vrefllim						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	100					
Min Limit	6					
Krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	43.140	42.557	42.557	42.555	43.707	42.600
Average	44.033	43.396	43.676	43.958	44.933	43.882
Max	44.281	44.792	44.249	45.351	45.933	45.372
UL	100.000	100.000	100.000	100.000	100.000	100.000

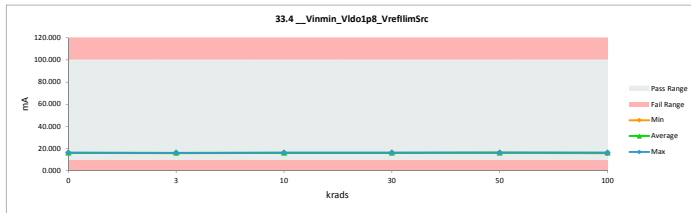


TID 100krad LDR Report
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33.4_Vinmin_Vldo1p8_Vrefllim				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	16.076	16.076	0.000
3	A79_Biased	16.112	16.091	0.021
3	A80_Biased	16.071	16.045	0.026
3	B1_Biased	16.152	16.135	0.017
3	B2_Biased	15.748	15.721	0.027
3	C1_Biased	15.739	15.718	0.021
3	A82_Unbiased	16.143	16.119	0.024
3	A83_Unbiased	16.121	16.098	0.023
3	B4_Unbiased	15.882	15.867	0.015
3	B5_Unbiased	16.074	16.063	0.011
3	C2_Unbiased	16.087	16.073	0.014
10	A85_Biased	16.174	16.165	0.009
10	A86_Biased	16.074	16.053	0.021
10	B6_Biased	16.109	16.102	0.007
10	C3_Biased	16.121	16.127	-0.006
10	C4_Biased	16.065	16.078	-0.013
10	A87_Unbiased	16.074	16.065	0.009
10	A88_Unbiased	16.134	16.134	0.000
10	B7_Unbiased	16.078	16.074	0.004
10	C5_Unbiased	16.074	16.078	-0.004
10	C6_Unbiased	16.081	16.078	0.003
0	106_Corr	16.063	16.063	0.000
30	A89_Biased	16.068	16.063	0.005
30	B8_Biased	16.102	16.109	-0.007
30	B9_Biased	16.183	16.168	0.015
30	C7_Biased	16.068	16.069	-0.001
30	C9_Biased	16.065	16.066	-0.001
30	A90_Unbiased	16.137	16.137	0.000
30	B10_Unbiased	16.180	16.184	-0.004
30	B11_Unbiased	16.137	16.131	0.006
30	C11_Unbiased	16.096	16.106	-0.010
30	C12_Unbiased	16.118	16.125	-0.007
0	106_Corr	16.134	16.134	0.000
0	15B_Corr	16.103	16.103	0.000
50	A92_Biased	16.127	16.196	-0.069
50	A93_Biased	16.071	16.128	-0.057
50	B12_Biased	16.174	16.227	-0.053
50	B13_Biased	16.059	16.112	-0.053
50	C14_Biased	16.093	16.143	-0.050
50	A95_Unbiased	16.121	16.175	-0.054
50	A96_Unbiased	16.109	16.168	-0.059
50	B15_Unbiased	16.130	16.184	-0.054
50	B16_Unbiased	16.155	16.224	-0.069
50	C15_Unbiased	16.074	16.171	-0.097
0	106_Corr	16.150	16.150	-0.000
100	A97_Biased	16.137	16.156	-0.019
100	A99_Biased	16.099	16.107	-0.008
100	A100_Biased	16.143	16.166	-0.023
100	A101_Biased	16.118	16.135	-0.017
100	A102_Biased	16.118	16.119	-0.001
100	A104_Biased	15.888	15.926	-0.038
100	A105_Biased	16.056	16.082	-0.026
100	B17_Biased	16.134	16.150	-0.016
100	B18_Biased	16.112	16.132	-0.020
100	B19_Biased	16.102	16.135	-0.033
100	B20_Biased	16.084	16.103	-0.019
100	B21_Biased	16.162	16.172	-0.010
100	B24_Biased	16.068	16.079	-0.011
100	B25_Biased	16.081	16.091	-0.010
100	B26_Biased	16.074	16.088	-0.014
100	C16_Biased	16.074	16.088	-0.014
100	C17_Biased	16.134	16.144	-0.010
100	C18_Biased	16.050	16.088	-0.038
100	C19_Biased	16.056	16.088	-0.032
100	C25_Biased	16.143	16.153	-0.010
100	C26_Biased	16.050	16.094	-0.044
100	C31_Biased	16.118	16.128	-0.010
100	A107_Unbiased	16.143	16.153	-0.010
100	A108_Unbiased	16.190	16.222	-0.032
100	A109_Unbiased	15.726	15.745	-0.019
100	A110_Unbiased	16.053	16.100	-0.047
100	A111_Unbiased	16.091	16.100	-0.009
100	A112_Unbiased	16.102	16.141	-0.039
100	A113_Unbiased	16.112	16.125	-0.013
100	B27_Unbiased	15.913	15.904	0.009
100	B29_Unbiased	16.090	16.100	-0.010
100	B30_Unbiased	16.152	16.144	0.008
100	B31_Unbiased	16.102	16.135	-0.033
100	B32_Unbiased	16.239	16.178	0.061
100	B33_Unbiased	16.143	16.144	-0.001
100	B34_Unbiased	16.046	16.125	-0.071
100	B35_Unbiased	16.130	16.138	-0.008
100	C32_Unbiased	16.090	16.113	-0.023
100	C33_Unbiased	16.121	16.153	-0.032
100	C34_Unbiased	16.140	16.153	-0.013
100	C35_Unbiased	16.046	16.079	-0.033
100	C36_Unbiased	16.043	16.079	-0.036
100	C37_Unbiased	16.106	16.141	-0.035
100	C38_Unbiased	16.112	16.116	-0.004
	Max	16.239	16.227	0.011
	Average	16.088	16.101	-0.013
	Min	15.726	15.718	-0.009
	Std Dev	0.086	0.090	0.028

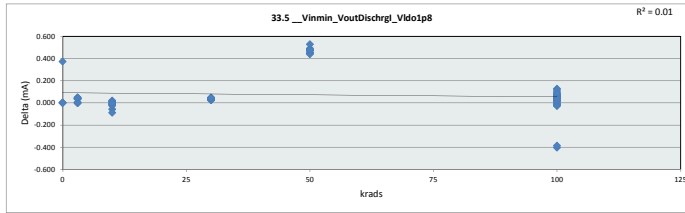


33.4_Vinmin_Vldo1p8_Vrefllim						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	16.063	15.718	16.053	16.063	16.112	15.745
Average	16.105	15.993	16.095	16.116	16.173	16.107
Max	16.150	16.135	16.165	16.184	16.227	16.222
UL	100.000	100.000	100.000	100.000	100.000	100.000

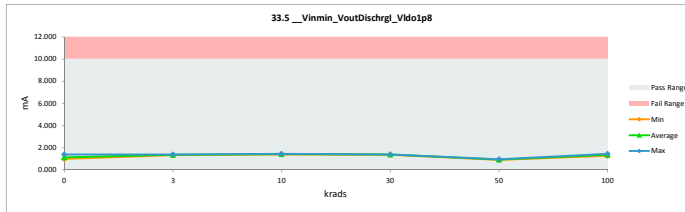


TID 100krad LDR Report
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33.5_Vinmin_VoutDischrgl_Vlc				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10	10		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.269	1.269	0.000
3	A79_Biased	1.405	1.371	0.034
3	A80_Biased	1.367	1.370	-0.003
3	B1_Biased	1.415	1.378	0.037
3	B2_Biased	1.373	1.335	0.038
3	C1_Biased	1.396	1.346	0.050
3	A82_Unbiased	1.363	1.366	-0.003
3	A83_Unbiased	1.361	1.354	0.007
3	B4_Unbiased	1.378	1.337	0.041
3	B5_Unbiased	1.395	1.357	0.038
3	C2_Unbiased	1.402	1.355	0.047
10	A85_Biased	1.370	1.428	-0.058
10	A86_Biased	1.324	1.414	-0.090
10	B6_Biased	1.404	1.394	0.010
10	C3_Biased	1.427	1.405	0.022
10	C4_Biased	1.397	1.385	0.012
10	A87_Unbiased	1.404	1.422	-0.018
10	A88_Unbiased	1.397	1.422	-0.025
10	B7_Unbiased	1.398	1.413	-0.015
10	C5_Unbiased	1.401	1.405	-0.004
10	C6_Unbiased	1.424	1.425	-0.001
0	106_Corr	1.389	1.389	0.000
30	A89_Biased	1.393	1.366	0.027
30	B8_Biased	1.398	1.366	0.032
30	B9_Biased	1.394	1.362	0.032
30	C7_Biased	1.415	1.367	0.048
30	C9_Biased	1.410	1.373	0.037
30	A90_Unbiased	1.419	1.394	0.025
30	B10_Unbiased	1.400	1.373	0.027
30	B11_Unbiased	1.407	1.376	0.031
30	C11_Unbiased	1.418	1.371	0.047
30	C12_Unbiased	1.408	1.362	0.046
0	106_Corr	0.982	0.982	0.000
0	15B_Corr	0.997	0.997	0.000
50	A92_Biased	1.405	0.958	0.447
50	A93_Biased	1.390	0.935	0.455
50	B12_Biased	1.397	0.925	0.472
50	B13_Biased	1.374	0.881	0.493
50	C14_Biased	1.416	0.888	0.528
50	A95_Unbiased	1.394	0.938	0.456
50	A96_Unbiased	1.401	0.921	0.480
50	B15_Unbiased	1.396	0.955	0.441
50	B16_Unbiased	1.395	0.919	0.476
50	C15_Unbiased	1.393	0.916	0.477
0	106_Corr	1.389	1.017	0.372
100	A97_Biased	1.418	1.391	0.027
100	A99_Biased	1.390	1.351	0.039
100	A100_Biased	1.377	1.307	0.070
100	A101_Biased	1.407	1.377	0.030
100	A102_Biased	1.402	1.378	0.024
100	A104_Biased	1.405	1.277	0.128
100	A105_Biased	1.400	1.342	0.058
100	B17_Biased	1.390	1.336	0.054
100	B18_Biased	1.379	1.348	0.031
100	B19_Biased	1.407	1.349	0.058
100	B20_Biased	1.398	1.383	0.015
100	B21_Biased	1.405	1.369	0.036
100	B24_Biased	1.388	1.377	0.011
100	B25_Biased	1.402	1.417	-0.015
100	B26_Biased	1.393	1.407	-0.014
100	C16_Biased	1.394	1.350	0.044
100	C17_Biased	1.424	1.344	0.080
100	C18_Biased	1.409	1.356	0.053
100	C19_Biased	1.415	1.316	0.099
100	C25_Biased	1.415	1.399	0.016
100	C26_Biased	1.411	1.295	0.116
100	C31_Biased	1.409	1.385	0.024
100	A107_Unbiased	1.375	1.341	0.034
100	A108_Unbiased	1.361	1.341	0.020
100	A109_Unbiased	1.337	1.365	-0.028
100	A110_Unbiased	1.396	1.355	0.041
100	A111_Unbiased	1.394	1.350	0.034
100	A112_Unbiased	1.391	1.344	0.047
100	A113_Unbiased	1.403	1.358	0.045
100	B27_Unbiased	1.386	1.399	-0.013
100	B29_Unbiased	1.412	1.430	-0.018
100	B30_Unbiased	1.395	1.407	-0.012
100	B31_Unbiased	1.401	1.408	-0.007
100	B32_Unbiased	1.008	1.413	-0.405
100	B33_Unbiased	1.399	1.414	-0.015
100	B34_Unbiased	1.401	1.389	-0.088
100	B35_Unbiased	1.409	1.423	-0.014
100	C32_Unbiased	1.390	1.327	0.063
100	C33_Unbiased	1.409	1.401	0.008
100	C34_Unbiased	1.430	1.413	0.017
100	C35_Unbiased	1.404	1.343	0.061
100	C36_Unbiased	1.394	1.320	0.074
100	C37_Unbiased	1.415	1.328	0.087
100	C38_Unbiased	1.421	1.387	0.034
	Max	1.430	1.430	0.528
	Average	1.378	1.368	0.070
	Min	0.982	0.881	-0.405
	Std Dev	0.086	0.157	0.165

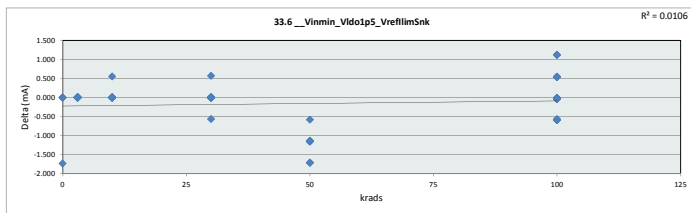


33.5_Vinmin_VoutDischrgl_Vlc						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	10					
Min Limit	0					
Krads	LL	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.982	1.335	1.385	1.362	0.881	1.277
Average	1.131	1.357	1.411	1.371	0.924	1.366
Max	1.389	1.378	1.428	1.394	0.958	1.430
UL	10.000	10.000	10.000	10.000	10.000	10.000

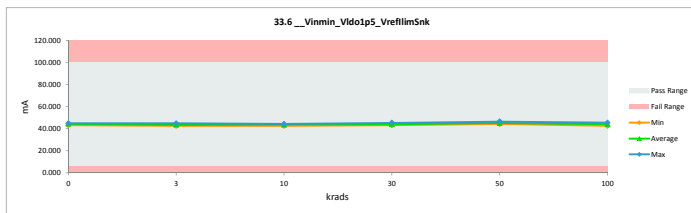


TID 100krad LDR Report
TPS7H3301-SP

33.6_Vinmin_Vldo1p5_Vrefllim				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	44.293	44.293	0.000
3	A79_Biased	44.850	44.852	-0.002
3	A80_Unbiased	42.622	42.621	0.001
3	B1_Biased	43.174	43.174	0.000
3	B2_Biased	42.615	42.620	-0.005
3	C1_Biased	43.179	43.172	0.007
3	A82_Unbiased	44.851	44.842	0.009
3	A83_Unbiased	44.294	44.286	0.008
3	B4_Unbiased	42.618	42.610	0.008
3	B5_Unbiased	43.736	43.729	0.007
3	C2_Unbiased	43.742	43.738	0.004
10	A85_Biased	44.297	44.293	0.004
10	A86_Biased	43.731	43.735	0.556
10	B6_Biased	43.736	43.734	0.002
10	C3_Biased	43.730	43.734	-0.004
10	C4_Biased	43.172	43.170	0.002
10	A87_Unbiased	44.286	44.289	-0.003
10	A88_Unbiased	44.286	44.290	-0.004
10	B7_Unbiased	44.289	44.289	0.000
10	C5_Unbiased	42.617	42.614	0.003
10	C6_Unbiased	43.734	43.732	0.002
0	106_Corr	43.182	43.182	0.000
30	A89_Biased	43.727	43.735	-0.008
30	B8_Biased	44.291	44.293	-0.002
30	B9_Biased	44.306	43.738	0.568
30	C7_Biased	43.178	43.181	-0.003
30	C9_Biased	43.187	43.188	-0.001
30	A90_Unbiased	45.405	45.400	0.005
30	B10_Unbiased	44.850	45.414	-0.564
30	B11_Unbiased	44.291	44.294	-0.003
30	C11_Unbiased	44.299	44.292	0.007
30	C12_Unbiased	43.734	43.736	-0.002
0	106_Corr	44.892	44.892	0.000
0	15B_Corr	44.896	44.896	0.000
50	A92_Biased	45.407	46.563	-1.156
50	A93_Biased	44.850	45.433	-0.583
50	B12_Biased	44.289	45.436	-1.147
50	B13_Biased	43.733	44.876	-1.143
50	C14_Biased	42.622	44.339	-1.717
50	A95_Unbiased	44.293	45.445	-1.152
50	A96_Unbiased	43.736	44.876	-1.140
50	B15_Unbiased	44.843	45.997	-1.154
50	B16_Unbiased	43.738	44.877	-1.139
50	C15_Unbiased	43.176	44.887	-1.711
0	106_Corr	43.182	44.911	-1.729
100	A97_Biased	43.177	43.207	-0.030
100	A99_Biased	44.850	44.874	-0.024
100	A100_Biased	45.412	45.435	-0.023
100	A101_Biased	43.735	43.760	-0.025
100	A102_Biased	44.846	44.867	-0.021
100	A104_Biased	42.617	43.207	-0.590
100	A105_Biased	43.733	43.762	-0.029
100	B17_Biased	44.285	44.320	-0.035
100	B18_Biased	44.860	44.314	0.546
100	B19_Biased	43.732	44.308	-0.576
100	B20_Biased	42.624	42.643	-0.019
100	B21_Biased	43.735	43.754	-0.019
100	B24_Biased	43.180	43.205	-0.025
100	B25_Biased	44.296	44.319	-0.023
100	B26_Biased	44.292	43.748	0.544
100	C16_Biased	43.174	43.195	-0.021
100	C17_Biased	44.292	44.311	-0.019
100	C18_Biased	43.179	43.763	-0.584
100	C19_Biased	43.176	43.761	-0.585
100	C25_Biased	44.845	44.864	-0.019
100	C26_Biased	43.732	44.314	-0.582
100	C31_Biased	44.295	44.312	-0.017
100	A107_Unbiased	45.406	45.428	-0.022
100	A108_Unbiased	44.301	44.316	-0.015
100	A109_Unbiased	43.735	43.198	0.537
100	A110_Unbiased	44.288	44.311	-0.023
100	A111_Unbiased	43.181	43.203	-0.022
100	A112_Unbiased	44.848	44.867	-0.019
100	A113_Unbiased	44.303	44.321	-0.018
100	B27_Unbiased	43.735	43.749	-0.014
100	B29_Unbiased	44.297	43.756	0.541
100	B30_Unbiased	44.861	44.312	0.549
100	B31_Unbiased	44.292	44.308	-0.016
100	B32_Unbiased	45.434	44.313	1.121
100	B33_Unbiased	44.292	44.309	-0.017
100	B34_Unbiased	45.433	44.308	1.125
100	B35_Unbiased	44.294	43.758	0.536
100	C32_Unbiased	43.176	43.764	-0.588
100	C33_Unbiased	43.734	44.313	-0.579
100	C34_Unbiased	44.291	44.312	-0.021
100	C35_Unbiased	43.172	43.204	-0.032
100	C36_Unbiased	43.174	43.200	-0.026
100	C37_Unbiased	43.734	44.311	-0.577
100	C38_Unbiased	44.844	44.866	-0.022
	Max	45.434	46.563	1.126
	Average	43.987	44.133	-0.146
	Min	42.615	42.610	-1.729
	Std Dev	0.759	0.805	0.528

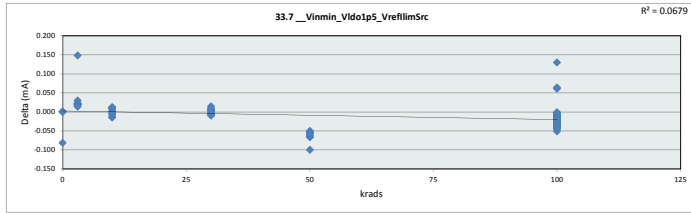


33.6_Vinmin_Vldo1p5_Vrefllim						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	6.000	6.000	6.000	6.000	6.000	6.000
Min	43.182	42.610	42.614	43.181	44.339	42.643
Average	44.435	43.564	43.732	44.127	45.273	44.061
Max	44.911	44.852	44.293	45.414	46.563	45.435
UL	100.000	100.000	100.000	100.000	100.000	100.000

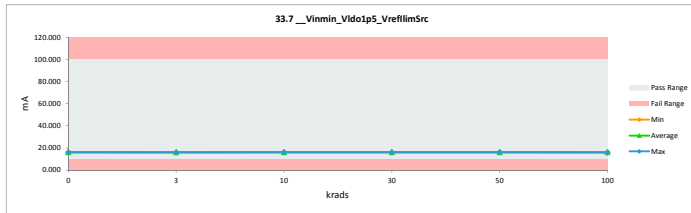


TID 100krad LDR Report
TPS7H3301-SP

33.7_Vinmin_Vldo1p5_Vreflim				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	10	10		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	16.060	16.060	0.000
3	A79_Biased	16.099	16.079	0.020
3	A80_Biased	16.065	16.042	0.023
3	B1_Biased	16.143	16.122	0.021
3	B2_Biased	15.863	15.715	0.148
3	C1_Biased	15.863	15.842	0.021
3	A82_Unbiased	16.137	16.107	0.030
3	A83_Unbiased	16.112	16.091	0.021
3	B4_Unbiased	15.875	15.855	0.020
3	B5_Unbiased	16.068	16.054	0.014
3	C2_Unbiased	16.078	16.060	0.018
10	A85_Biased	16.158	16.149	0.009
10	A86_Biased	16.068	16.050	0.012
10	B6_Biased	16.102	16.093	0.009
10	C3_Biased	16.109	16.124	-0.015
10	C4_Biased	16.053	16.065	-0.012
10	A87_Unbiased	16.068	16.056	0.012
10	A88_Unbiased	16.121	16.127	-0.006
10	B7_Unbiased	16.071	16.071	0.000
10	C5_Unbiased	16.071	16.068	0.003
10	C6_Unbiased	16.071	16.074	-0.003
0	106_Corr	16.063	16.063	0.000
30	A89_Biased	16.056	16.056	0.000
30	B8_Biased	16.093	16.103	-0.010
30	B9_Biased	16.174	16.159	0.015
30	C7_Biased	16.062	16.053	0.009
30	C9_Biased	16.065	16.066	0.009
30	A90_Unbiased	16.127	16.128	-0.001
30	B10_Unbiased	16.171	16.168	0.003
30	B11_Unbiased	16.118	16.122	-0.004
30	C11_Unbiased	16.090	16.097	-0.007
30	C12_Unbiased	16.112	16.106	0.006
0	106_Corr	16.125	16.125	0.000
0	158_Corr	16.091	16.091	0.000
50	A92_Biased	16.118	16.184	-0.066
50	A93_Biased	16.062	16.115	-0.053
50	B12_Biased	16.158	16.215	-0.057
50	B13_Biased	16.046	16.112	-0.066
50	C14_Biased	16.081	16.137	-0.056
50	A95_Unbiased	16.109	16.159	-0.050
50	A96_Unbiased	16.093	16.150	-0.057
50	B15_Unbiased	16.118	16.181	-0.063
50	B16_Unbiased	16.149	16.206	-0.057
50	C15_Unbiased	16.065	16.165	-0.100
0	106_Corr	16.144	16.144	-0.001
100	A97_Biased	16.130	16.153	-0.023
100	A99_Biased	16.090	16.103	-0.013
100	A100_Biased	16.134	16.160	-0.026
100	A101_Biased	16.112	16.125	-0.013
100	A102_Biased	16.109	16.113	-0.004
100	A104_Biased	15.872	15.916	-0.044
100	A105_Biased	16.053	16.075	-0.022
100	B17_Biased	16.112	16.150	-0.038
100	B18_Biased	16.099	16.119	-0.020
100	B19_Biased	16.096	16.125	-0.029
100	B20_Biased	16.078	16.094	-0.016
100	B21_Biased	16.146	16.153	-0.007
100	B24_Biased	16.065	16.072	-0.007
100	B25_Biased	16.074	16.091	-0.017
100	B26_Biased	16.074	16.075	-0.001
100	C16_Biased	16.065	16.079	-0.014
100	C17_Biased	16.118	16.132	-0.014
100	C18_Biased	16.050	16.079	-0.029
100	C19_Biased	16.040	16.085	-0.045
100	C25_Biased	16.137	16.160	-0.023
100	C26_Biased	16.043	16.094	-0.051
100	C31_Biased	16.109	16.119	-0.010
100	A107_Unbiased	16.130	16.144	-0.014
100	A108_Unbiased	16.180	16.209	-0.029
100	A109_Unbiased	15.720	15.733	-0.013
100	A110_Unbiased	16.046	16.088	-0.042
100	A111_Unbiased	16.081	16.097	-0.016
100	A112_Unbiased	16.099	16.132	-0.033
100	A113_Unbiased	16.106	16.125	-0.019
100	B27_Unbiased	16.031	15.901	0.130
100	B29_Unbiased	16.090	16.094	-0.004
100	B30_Unbiased	16.137	16.141	-0.004
100	B31_Unbiased	16.096	16.125	-0.029
100	B32_Unbiased	16.230	16.169	0.061
100	B33_Unbiased	16.134	16.135	-0.001
100	B34_Unbiased	16.180	16.116	0.064
100	B35_Unbiased	16.115	16.132	-0.017
100	C32_Unbiased	16.078	16.107	-0.029
100	C33_Unbiased	16.112	16.141	-0.029
100	C34_Unbiased	16.121	16.150	-0.029
100	C35_Unbiased	16.037	16.079	-0.042
100	C36_Unbiased	16.031	16.066	-0.035
100	C37_Unbiased	16.099	16.128	-0.029
100	C38_Unbiased	16.099	16.116	-0.017
	Max	16.230	16.215	0.148
	Average	16.083	16.094	-0.011
	Min	15.720	15.715	-0.100
	Std Dev	0.072	0.084	0.036

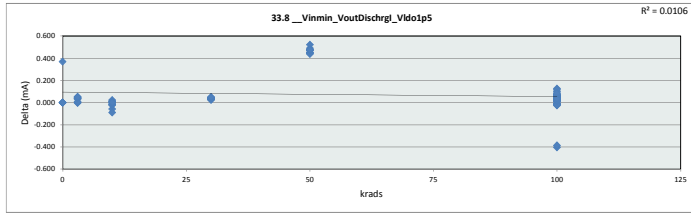


33.7_Vinmin_Vldo1p5_Vreflim						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	10	mA				
krads	0	3	10	30	50	100
LL	10.000	10.000	10.000	10.000	10.000	10.000
Min	16.060	15.715	16.050	16.053	16.112	15.733
Average	16.097	15.997	16.088	16.105	16.162	16.100
Max	16.144	16.122	16.149	16.168	16.215	16.209
UL	100.000	100.000	100.000	100.000	100.000	100.000

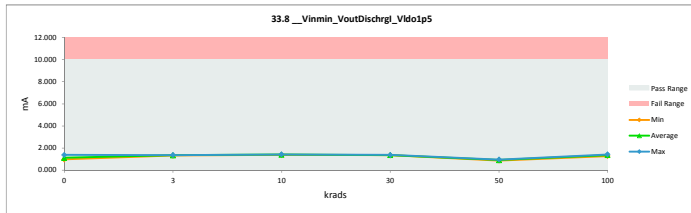


TID 100krad LDR Report
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33.8_Vinmin_VoutDischrgl_Vlc				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	10			
Min Limit	0			
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.273	1.273	0.000
3	A79_Biased	1.403	1.372	0.031
3	A80_Biased	1.368	1.371	-0.003
3	B1_Biased	1.417	1.379	0.038
3	B2_Biased	1.375	1.336	0.039
3	C1_Biased	1.398	1.347	0.051
3	A82_Unbiased	1.366	1.368	-0.002
3	A83_Unbiased	1.363	1.355	0.008
3	B4_Unbiased	1.379	1.338	0.041
3	B5_Unbiased	1.397	1.358	0.039
3	C2_Unbiased	1.406	1.356	0.050
10	A85_Biased	1.372	1.430	-0.058
10	A86_Biased	1.426	1.415	-0.089
10	B6_Biased	1.408	1.396	0.012
10	C3_Biased	1.429	1.407	0.022
10	C4_Biased	1.399	1.388	0.011
10	A87_Unbiased	1.406	1.425	-0.019
10	A88_Unbiased	1.398	1.423	-0.025
10	B7_Unbiased	1.400	1.414	-0.014
10	C5_Unbiased	1.402	1.407	-0.005
10	C6_Unbiased	1.426	1.427	-0.001
0	106_Corr	1.390	1.390	0.000
30	A89_Biased	1.394	1.368	0.026
30	B8_Biased	1.398	1.367	0.031
30	B9_Biased	1.396	1.362	0.034
30	C7_Biased	1.417	1.369	0.048
30	C9_Biased	1.412	1.378	0.034
30	A90_Unbiased	1.420	1.394	0.026
30	B10_Unbiased	1.401	1.374	0.027
30	B11_Unbiased	1.408	1.378	0.030
30	C11_Unbiased	1.419	1.373	0.046
30	C12_Unbiased	1.410	1.363	0.047
0	106_Corr	0.986	0.986	0.000
0	15B_Corr	1.000	1.000	0.000
50	A92_Biased	1.407	0.964	0.443
50	A93_Biased	1.392	0.941	0.451
50	B12_Biased	1.399	0.930	0.469
50	B13_Biased	1.377	0.888	0.489
50	C14_Biased	1.416	0.895	0.521
50	A95_Unbiased	1.394	0.944	0.450
50	A96_Unbiased	1.402	0.926	0.476
50	B15_Unbiased	1.398	0.961	0.437
50	B16_Unbiased	1.397	0.924	0.473
50	C15_Unbiased	1.395	0.921	0.474
0	106_Corr	1.390	1.021	0.369
100	A97_Biased	1.420	1.393	0.027
100	A99_Biased	1.391	1.354	0.037
100	A100_Biased	1.378	1.310	0.068
100	A101_Biased	1.407	1.379	0.028
100	A102_Biased	1.402	1.379	0.023
100	A104_Biased	1.406	1.281	0.125
100	A105_Biased	1.402	1.345	0.057
100	B17_Biased	1.391	1.338	0.053
100	B18_Biased	1.380	1.350	0.030
100	B19_Biased	1.408	1.352	0.056
100	B20_Biased	1.399	1.385	0.014
100	B21_Biased	1.407	1.371	0.036
100	B24_Biased	1.387	1.379	0.008
100	B25_Biased	1.404	1.419	-0.015
100	B26_Biased	1.393	1.408	-0.015
100	C16_Biased	1.395	1.351	0.044
100	C17_Biased	1.425	1.347	0.078
100	C18_Biased	1.411	1.357	0.054
100	C19_Biased	1.417	1.318	0.099
100	C25_Biased	1.416	1.400	0.016
100	C26_Biased	1.411	1.298	0.113
100	C31_Biased	1.411	1.387	0.024
100	A107_Unbiased	1.381	1.344	0.037
100	A108_Unbiased	1.362	1.343	0.019
100	A109_Unbiased	1.339	1.367	-0.028
100	A110_Unbiased	1.398	1.358	0.040
100	A111_Unbiased	1.396	1.353	0.033
100	A112_Unbiased	1.393	1.347	0.046
100	A113_Unbiased	1.403	1.360	0.043
100	B27_Unbiased	1.386	1.401	-0.015
100	B29_Unbiased	1.412	1.432	-0.020
100	B30_Unbiased	1.396	1.409	-0.013
100	B31_Unbiased	1.403	1.409	-0.006
100	B32_Unbiased	1.010	1.414	-0.404
100	B33_Unbiased	1.400	1.416	-0.016
100	B34_Unbiased	1.005	1.391	-0.386
100	B35_Unbiased	1.411	1.425	-0.014
100	C32_Unbiased	1.391	1.329	0.062
100	C33_Unbiased	1.410	1.402	0.008
100	C34_Unbiased	1.433	1.415	0.018
100	C35_Unbiased	1.407	1.345	0.062
100	C36_Unbiased	1.395	1.322	0.073
100	C37_Unbiased	1.416	1.330	0.086
100	C38_Unbiased	1.423	1.389	0.034
	Max	1.433	1.432	0.001
	Average	1.379	1.310	0.069
	Min	0.986	0.888	-0.404
	Std Dev	0.086	0.155	0.164

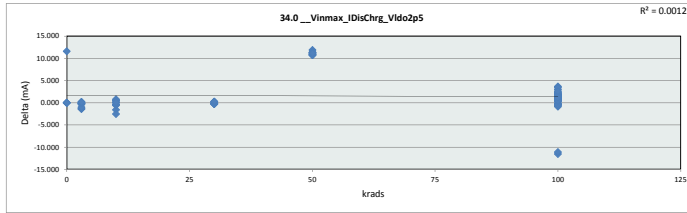


33.8_Vinmin_VoutDischrgl_Vlc						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	10					
Min Limit	0					
Krads	LL	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.986	1.336	1.388	1.362	0.888	1.281
Average	1.134	1.358	1.413	1.372	0.929	1.368
Max	1.390	1.379	1.430	1.394	0.964	1.432
UL	10.000	10.000	10.000	10.000	10.000	10.000

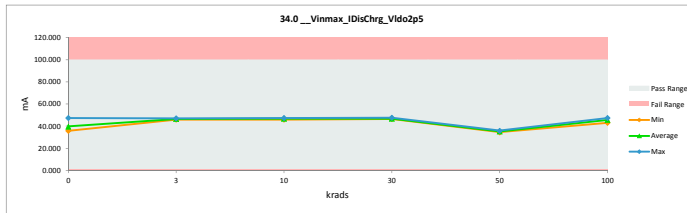


TID 100krad LDR Report
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34.0_Vinmax_IDisChrg_Vldo2p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	43.555	43.555	0.000
3	A79_Biased	46.631	46.981	-0.350
3	A80_Biased	45.603	46.969	-1.366
3	B1_Biased	47.047	47.156	-0.109
3	B2_Biased	45.663	45.800	-0.137
3	C1_Biased	46.321	46.160	0.161
3	A82_Unbiased	45.451	46.845	-1.394
3	A83_Unbiased	45.359	46.402	-1.043
3	B4_Unbiased	45.802	45.909	-0.107
3	B5_Unbiased	46.442	46.616	-0.174
3	C2_Unbiased	46.578	46.459	0.119
10	A85_Biased	45.661	47.256	-1.595
10	A86_Biased	44.310	46.821	-2.511
10	B6_Biased	46.672	46.247	0.425
10	C3_Biased	47.296	46.520	0.776
10	C4_Biased	46.385	45.934	0.451
10	A87_Unbiased	46.727	47.078	-0.351
10	A88_Unbiased	46.434	47.045	-0.611
10	B7_Unbiased	46.497	46.885	-0.388
10	C5_Unbiased	46.584	46.561	0.023
10	C6_Unbiased	47.222	47.164	0.058
0	106_Corr	47.403	47.403	0.000
30	A89_Biased	46.266	46.530	-0.264
30	B8_Biased	46.456	46.683	-0.227
30	B9_Biased	46.297	46.557	-0.260
30	C7_Biased	46.930	46.723	0.207
30	C9_Biased	46.924	46.911	0.013
30	A90_Unbiased	47.156	47.482	-0.326
30	B10_Unbiased	46.546	46.810	-0.264
30	B11_Unbiased	46.792	47.031	-0.239
30	C11_Unbiased	46.798	46.788	0.010
30	C12_Unbiased	46.791	46.544	0.247
0	106_Corr	35.651	35.651	0.000
0	158_Corr	35.963	35.963	0.000
50	A92_Biased	46.677	35.900	10.777
50	A93_Biased	46.220	35.386	10.834
50	B12_Biased	46.456	35.420	11.036
50	B13_Biased	45.691	34.470	11.221
50	C14_Biased	46.976	35.076	11.900
50	A95_Unbiased	46.311	35.570	10.741
50	A96_Unbiased	46.472	35.105	11.367
50	B15_Unbiased	46.480	35.771	10.709
50	B16_Unbiased	46.387	35.077	11.310
50	C15_Unbiased	46.299	35.182	11.117
0	106_Corr	47.403	35.795	11.608
100	A97_Biased	47.040	46.310	0.730
100	A99_Biased	46.152	45.148	1.004
100	A100_Biased	45.789	43.763	2.026
100	A101_Biased	46.650	45.828	0.822
100	A102_Biased	46.537	45.874	0.663
100	A104_Biased	46.537	42.893	3.644
100	A105_Biased	46.478	44.732	1.746
100	B17_Biased	46.232	44.638	1.594
100	B18_Biased	45.892	45.010	0.882
100	B19_Biased	46.734	44.951	1.783
100	B20_Biased	46.453	46.059	0.394
100	B21_Biased	46.711	45.570	1.141
100	B24_Biased	46.143	45.760	0.383
100	B25_Biased	46.616	47.060	-0.444
100	B26_Biased	46.362	46.745	-0.383
100	C16_Biased	46.286	45.021	1.265
100	C17_Biased	47.239	44.967	2.272
100	C18_Biased	46.779	45.235	1.544
100	C19_Biased	47.090	44.179	2.911
100	C25_Biased	46.999	46.524	0.475
100	C26_Biased	46.775	43.424	3.351
100	C31_Biased	46.823	46.054	0.769
100	A107_Unbiased	45.982	44.791	1.091
100	A108_Unbiased	45.338	44.840	0.498
100	A109_Unbiased	44.510	45.368	-0.858
100	A110_Unbiased	46.424	45.241	1.183
100	A111_Unbiased	45.381	45.228	1.153
100	A112_Unbiased	46.411	44.839	1.572
100	A113_Unbiased	46.596	45.264	1.332
100	B27_Unbiased	46.103	46.503	-0.400
100	B29_Unbiased	46.867	47.368	-0.501
100	B30_Unbiased	46.577	46.770	-0.193
100	B31_Unbiased	46.595	46.760	-0.165
100	B32_Unbiased	35.350	46.915	-11.565
100	B33_Unbiased	46.524	46.973	-0.449
100	B34_Unbiased	35.128	46.218	-11.090
100	B35_Unbiased	46.821	47.205	-0.384
100	C32_Unbiased	46.248	44.484	1.764
100	C33_Unbiased	46.751	46.572	0.179
100	C34_Unbiased	47.432	46.894	0.538
100	C35_Unbiased	46.588	44.815	1.773
100	C36_Unbiased	46.334	44.166	2.168
100	C37_Unbiased	47.011	44.467	2.544
100	C38_Unbiased	47.164	46.056	1.108
	Max	47.432	47.482	11.900
	Average	45.943	44.446	1.497
	Min	35.128	34.470	-11.565
	Std Dev	2.360	3.889	4.172

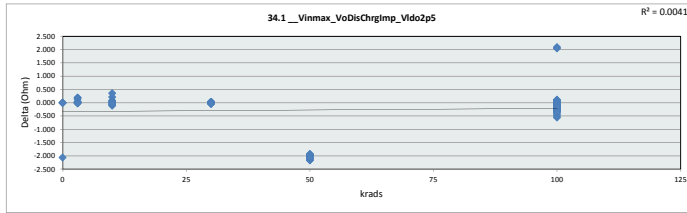


34.0_Vinmax_IDisChrg_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	1	mA				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	35.651	45.800	45.934	46.530	34.470	42.893
Average	39.673	46.530	46.751	46.806	35.296	45.534
Max	47.403	47.156	47.256	47.482	35.900	47.368
UL	100.000	100.000	100.000	100.000	100.000	100.000

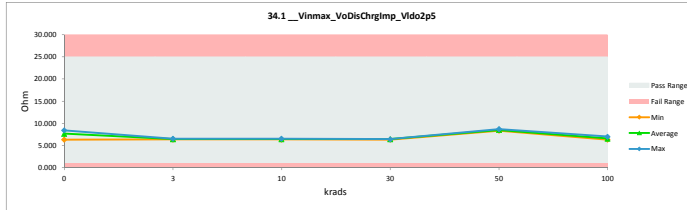


TID 100krad LDR Report
TPS7H3301-SP

34.1_Vinmax_VoDisChrgImp_p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	6.888	6.888	0.000
3	A79_Biased	6.433	6.386	0.047
3	A80_Biased	6.579	6.387	0.192
3	B1_Biased	6.377	6.362	0.015
3	B2_Biased	6.570	6.550	0.020
3	C1_Biased	6.477	6.499	-0.022
3	A82_Unbiased	6.600	6.404	0.196
3	A83_Unbiased	6.614	6.465	0.149
3	B4_Unbiased	6.550	6.535	0.015
3	B5_Unbiased	6.460	6.436	0.024
3	C2_Unbiased	6.441	6.457	-0.016
10	A85_Biased	6.570	6.348	0.222
10	A86_Biased	6.771	6.407	0.364
10	B6_Biased	6.428	6.487	-0.059
10	C3_Biased	6.343	6.449	-0.106
10	C4_Biased	6.468	6.531	-0.063
10	A87_Unbiased	6.420	6.372	0.048
10	A88_Unbiased	6.461	6.377	0.084
10	B7_Unbiased	6.452	6.399	0.053
10	C5_Unbiased	6.440	6.443	-0.003
10	C6_Unbiased	6.353	6.361	-0.008
0	106_Corr	6.329	6.329	0.000
30	A89_Biased	6.484	6.447	0.037
30	B8_Biased	6.458	6.426	0.032
30	B9_Biased	6.480	6.444	0.036
30	C7_Biased	6.392	6.421	-0.029
30	C9_Biased	6.393	6.395	-0.002
30	A90_Unbiased	6.362	6.318	0.044
30	B10_Unbiased	6.445	6.409	0.036
30	B11_Unbiased	6.411	6.379	0.032
30	C11_Unbiased	6.383	6.412	-0.029
30	C12_Unbiased	6.412	6.445	-0.033
0	106_Corr	8.415	8.415	0.000
0	15B_Corr	8.342	8.342	0.000
50	A92_Biased	6.427	8.357	-1.930
50	A93_Biased	6.491	8.478	-1.987
50	B12_Biased	6.458	8.470	-2.012
50	B13_Biased	6.566	8.703	-2.137
50	C14_Biased	6.386	8.553	-2.167
50	A95_Unbiased	6.478	8.434	-1.956
50	A96_Unbiased	6.455	8.546	-2.091
50	B15_Unbiased	6.454	8.387	-1.933
50	B16_Unbiased	6.467	8.553	-2.086
50	C15_Unbiased	6.480	8.527	-2.047
0	106_Corr	8.381	8.381	-2.052
100	A97_Biased	6.378	6.478	-0.100
100	A99_Biased	6.500	6.645	-0.145
100	A100_Biased	6.552	6.855	-0.303
100	A101_Biased	6.431	6.546	-0.115
100	A102_Biased	6.446	6.540	-0.094
100	A104_Biased	6.446	6.994	-0.548
100	A105_Biased	6.455	6.707	-0.252
100	B17_Biased	6.489	6.721	-0.232
100	B18_Biased	6.537	6.665	-0.128
100	B19_Biased	6.419	6.674	-0.255
100	B20_Biased	6.458	6.513	-0.055
100	B21_Biased	6.422	6.583	-0.161
100	B24_Biased	6.502	6.556	-0.054
100	B25_Biased	6.436	6.476	0.041
100	B26_Biased	6.471	6.418	0.053
100	C16_Biased	6.481	6.664	-0.183
100	C17_Biased	6.351	6.672	-0.321
100	C18_Biased	6.413	6.632	-0.219
100	C19_Biased	6.371	6.791	-0.420
100	C25_Biased	6.383	6.448	-0.065
100	C26_Biased	6.414	6.909	-0.495
100	C31_Biased	6.407	6.514	-0.107
100	A107_Unbiased	6.539	6.698	-0.159
100	A108_Unbiased	6.617	6.690	-0.073
100	A109_Unbiased	6.740	6.613	0.127
100	A110_Unbiased	6.462	6.631	-0.169
100	A111_Unbiased	6.468	6.633	-0.165
100	A112_Unbiased	6.464	6.691	-0.227
100	A113_Unbiased	6.438	6.628	-0.190
100	B27_Unbiased	6.507	6.451	0.056
100	B29_Unbiased	6.401	6.333	0.068
100	B30_Unbiased	6.469	6.414	0.055
100	B31_Unbiased	6.438	6.416	0.022
100	B32_Unbiased	8.487	6.395	2.092
100	B33_Unbiased	6.448	6.387	0.061
100	B34_Unbiased	8.540	6.491	2.049
100	B35_Unbiased	6.407	6.355	0.052
100	C32_Unbiased	6.487	6.744	-0.257
100	C33_Unbiased	6.417	6.442	-0.025
100	C34_Unbiased	6.325	6.397	-0.072
100	C35_Unbiased	6.439	6.494	-0.255
100	C36_Unbiased	6.475	6.793	-0.318
100	C37_Unbiased	6.381	6.747	-0.366
100	C38_Unbiased	6.361	6.514	-0.153
	Max	8.540	8.703	2.092
	Average	6.551	6.511	-0.040
	Min	6.325	6.318	-2.167
	Std Dev	0.423	0.707	0.757

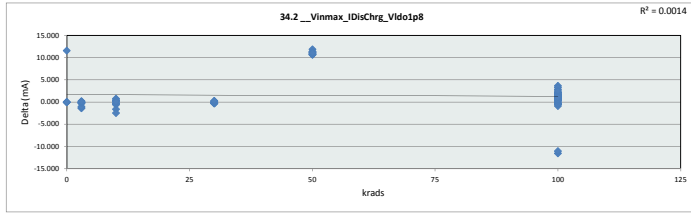


34.1_Vinmax_VoDisChrgImp						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	6.329	6.362	6.348	6.318	6.357	6.333
Average	7.671	6.448	6.417	6.410	8.501	6.592
Max	8.415	6.550	6.531	6.447	8.703	6.994
UL	25.000	25.000	25.000	25.000	25.000	25.000

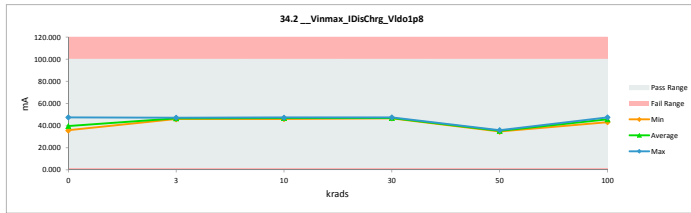


TID 100krad LDR Report
TPS7H3301-SP

34.2_Vinmax_IDisChrg_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	43.634	43.634	0.000
3	A79_Biased	46.668	47.010	-0.342
3	A80_Unbiased	45.656	47.000	-1.344
3	B1_Biased	47.091	47.183	-0.092
3	B2_Biased	45.683	45.828	-0.145
3	C1_Biased	46.348	46.187	0.161
3	A82_Unbiased	45.503	46.877	-1.374
3	A83_Unbiased	45.411	46.441	-1.030
3	B4_Unbiased	45.841	45.938	-0.097
3	B5_Unbiased	46.459	46.643	-0.184
3	C2_Unbiased	46.618	46.488	0.130
10	A85_Biased	45.710	47.289	-1.579
10	A86_Biased	44.372	46.853	-2.481
10	B6_Biased	46.682	46.290	0.392
10	C3_Biased	47.326	46.555	0.771
10	C4_Biased	46.406	45.969	0.437
10	A87_Unbiased	46.765	47.112	-0.347
10	A88_Unbiased	46.465	47.077	-0.612
10	B7_Unbiased	46.513	46.914	-0.401
10	C5_Unbiased	46.614	46.585	0.029
10	C6_Unbiased	47.251	47.191	0.060
0	106_Corr	47.438	47.438	0.000
30	A89_Biased	46.303	46.564	-0.261
30	B8_Biased	46.468	46.719	-0.251
30	B9_Biased	46.313	46.593	-0.280
30	C7_Biased	46.956	46.760	0.196
30	C9_Biased	46.959	46.948	0.011
30	A90_Unbiased	47.204	47.515	-0.311
30	B10_Unbiased	46.584	46.844	-0.260
30	B11_Unbiased	46.812	47.065	-0.253
30	C11_Unbiased	47.038	46.823	0.215
30	C12_Unbiased	46.820	46.576	0.244
0	106_Corr	35.711	35.711	0.000
0	158_Corr	26.022	26.022	0.000
50	A92_Biased	46.713	35.959	10.754
50	A93_Biased	46.245	35.446	10.799
50	B12_Biased	46.489	35.479	11.010
50	B13_Biased	45.715	34.530	11.185
50	C14_Biased	47.008	35.137	11.871
50	A95_Unbiased	46.358	35.634	10.724
50	A96_Unbiased	46.499	35.165	11.334
50	B15_Unbiased	46.499	35.829	10.670
50	B16_Unbiased	46.428	35.137	11.291
50	C15_Unbiased	46.321	35.242	11.079
0	106_Corr	47.438	47.438	0.000
100	A97_Biased	47.078	46.369	0.709
100	A99_Biased	46.196	45.212	0.984
100	A100_Biased	45.833	43.834	1.999
100	A101_Biased	46.682	45.882	0.800
100	A102_Biased	46.569	45.926	0.643
100	A104_Biased	46.587	42.971	3.616
100	A105_Biased	46.506	44.797	1.709
100	B17_Biased	46.270	44.704	1.566
100	B18_Biased	45.933	45.063	0.870
100	B19_Biased	46.778	45.019	1.759
100	B20_Biased	46.470	46.109	0.361
100	B21_Biased	46.726	45.631	1.095
100	B24_Biased	46.189	45.812	0.377
100	B25_Biased	46.657	47.096	-0.439
100	B26_Biased	46.407	46.781	-0.374
100	C16_Biased	46.317	45.074	1.243
100	C17_Biased	47.261	45.035	2.226
100	C18_Biased	46.819	45.290	1.529
100	C19_Biased	47.113	44.252	2.861
100	C25_Biased	47.027	46.567	0.460
100	C26_Biased	46.797	43.498	3.299
100	C31_Biased	46.860	46.105	0.755
100	A107_Unbiased	45.925	44.859	1.066
100	A108_Unbiased	45.389	44.907	0.482
100	A109_Unbiased	44.569	45.422	-0.853
100	A110_Unbiased	46.466	45.306	1.160
100	A111_Unbiased	45.418	45.290	1.128
100	A112_Unbiased	46.429	44.904	1.525
100	A113_Unbiased	46.630	45.326	1.304
100	B27_Unbiased	46.133	46.538	-0.405
100	B29_Unbiased	46.901	47.401	-0.500
100	B30_Unbiased	46.412	46.805	-0.393
100	B31_Unbiased	46.612	46.802	-0.190
100	B32_Unbiased	35.406	46.953	-11.547
100	B33_Unbiased	46.545	47.008	-0.463
100	B34_Unbiased	35.185	46.258	-11.073
100	B35_Unbiased	46.856	47.241	-0.385
100	C32_Unbiased	46.268	44.547	1.721
100	C33_Unbiased	46.797	46.611	0.186
100	C34_Unbiased	47.462	46.939	0.523
100	C35_Unbiased	46.612	44.973	1.739
100	C36_Unbiased	46.363	44.231	2.132
100	C37_Unbiased	47.051	44.535	2.516
100	C38_Unbiased	47.188	46.109	1.079
	Max	47.462	47.515	11.871
	Average	45.978	44.494	1.484
	Min	35.185	34.530	-11.547
	Std Dev	2.353	3.881	4.162

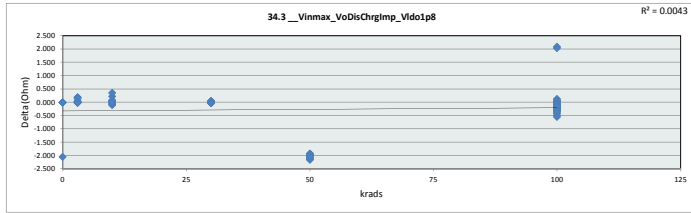


34.2_Vinmax_IDisChrg_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	1	mA				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	35.711	45.828	45.969	46.564	34.530	42.971
Average	39.732	46.560	46.784	46.841	35.356	45.588
Max	47.438	47.183	47.289	47.515	35.959	47.401
UL	100.000	100.000	100.000	100.000	100.000	100.000

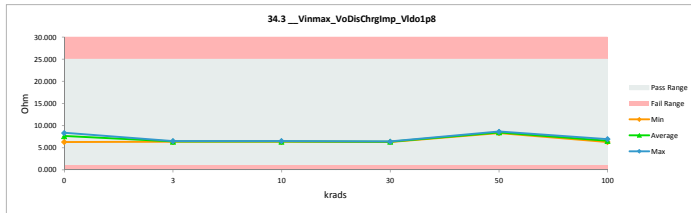


TID 100krad LDR Report
TPS7H3301-SP

34.3_Vinmax_VoDisChrgImp_p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	6.875	6.875	0.000
3	A79_Biased	6.428	6.382	0.046
3	A80_Biased	6.571	6.383	0.188
3	B1_Biased	6.371	6.358	0.013
3	B2_Biased	6.567	6.546	0.021
3	C1_Biased	6.473	6.495	-0.022
3	A82_Unbiased	6.593	6.400	0.193
3	A83_Unbiased	6.606	6.460	0.146
3	B4_Unbiased	6.544	6.531	0.013
3	B5_Unbiased	6.457	6.432	0.025
3	C2_Unbiased	6.435	6.453	-0.018
10	A85_Biased	6.563	6.344	0.219
10	A86_Biased	6.403	6.403	0.000
10	B6_Biased	6.426	6.481	-0.055
10	C3_Biased	6.339	6.444	-0.105
10	C4_Biased	6.465	6.526	-0.061
10	A87_Unbiased	6.415	6.368	0.047
10	A88_Unbiased	6.456	6.373	0.083
10	B7_Unbiased	6.450	6.395	0.055
10	C5_Unbiased	6.436	6.440	-0.004
10	C6_Unbiased	6.349	6.357	-0.008
0	106_Corr	6.324	6.324	0.000
30	A89_Biased	6.479	6.443	0.036
30	B8_Biased	6.456	6.421	0.035
30	B9_Biased	6.478	6.439	0.039
30	C7_Biased	6.389	6.416	-0.027
30	C9_Biased	6.389	6.390	-0.001
30	A90_Unbiased	6.355	6.314	0.041
30	B10_Unbiased	6.440	6.404	0.036
30	B11_Unbiased	6.409	6.374	0.035
30	C11_Unbiased	6.407	6.409	-0.002
30	C12_Unbiased	6.408	6.441	-0.033
0	106_Corr	8.401	8.401	0.000
0	15B_Corr	8.328	8.328	0.000
50	A92_Biased	6.422	8.343	-1.921
50	A93_Biased	6.487	8.464	-1.977
50	B12_Biased	6.453	8.456	-2.003
50	B13_Biased	6.562	8.688	-2.126
50	C14_Biased	6.382	8.538	-2.156
50	A95_Unbiased	6.471	8.419	-1.948
50	A96_Unbiased	6.452	8.531	-2.079
50	B15_Unbiased	6.452	8.373	-1.921
50	B16_Unbiased	6.462	8.538	-2.076
50	C15_Unbiased	6.476	8.513	-2.037
0	106_Corr	8.324	8.324	-2.042
100	A97_Biased	6.372	6.470	-0.098
100	A99_Biased	6.494	6.635	-0.141
100	A100_Biased	6.545	6.844	-0.299
100	A101_Biased	6.427	6.539	-0.112
100	A102_Biased	6.442	6.532	-0.090
100	A104_Biased	6.440	6.981	-0.541
100	A105_Biased	6.451	6.697	-0.246
100	B17_Biased	6.484	6.711	-0.227
100	B18_Biased	6.531	6.657	-0.126
100	B19_Biased	6.413	6.664	-0.251
100	B20_Biased	6.456	6.506	-0.050
100	B21_Biased	6.420	6.575	-0.155
100	B24_Biased	6.495	6.549	-0.054
100	B25_Biased	6.430	6.370	0.060
100	B26_Biased	6.464	6.413	0.051
100	C16_Biased	6.477	6.656	-0.179
100	C17_Biased	6.348	6.661	-0.313
100	C18_Biased	6.408	6.624	-0.216
100	C19_Biased	6.368	6.779	-0.411
100	C25_Biased	6.379	6.442	-0.063
100	C26_Biased	6.411	6.897	-0.486
100	C31_Biased	6.402	6.507	-0.105
100	A107_Unbiased	6.532	6.688	-0.156
100	A108_Unbiased	6.610	6.681	-0.071
100	A109_Unbiased	6.731	6.605	0.126
100	A110_Unbiased	6.456	6.622	-0.166
100	A111_Unbiased	6.463	6.624	-0.161
100	A112_Unbiased	6.461	6.681	-0.220
100	A113_Unbiased	6.434	6.619	-0.185
100	B27_Unbiased	6.503	6.446	0.057
100	B29_Unbiased	6.396	6.329	0.067
100	B30_Unbiased	6.464	6.410	0.054
100	B31_Unbiased	6.436	6.410	0.026
100	B32_Unbiased	8.473	6.389	2.084
100	B33_Unbiased	6.445	6.382	0.063
100	B34_Unbiased	8.526	6.485	2.041
100	B35_Unbiased	6.403	6.350	0.053
100	C32_Unbiased	6.484	6.734	-0.250
100	C33_Unbiased	6.411	6.436	-0.025
100	C34_Unbiased	6.321	6.391	-0.070
100	C35_Unbiased	6.436	6.636	-0.200
100	C36_Unbiased	6.471	6.783	-0.312
100	C37_Unbiased	6.376	6.736	-0.360
100	C38_Unbiased	6.358	6.506	-0.148
	Max	8.526	8.688	2.084
	Average	6.546	6.833	-0.287
	Min	6.321	6.314	-2.156
	Std Dev	0.421	0.704	0.754

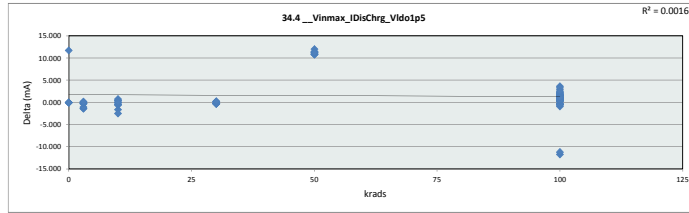


34.3_Vinmax_VoDisChrgImp						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
Krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	6.324	6.358	6.344	6.314	8.343	6.329
Average	7.659	6.444	6.413	6.405	8.486	6.584
Max	8.401	6.546	6.526	6.443	8.688	6.981
UL	25.000	25.000	25.000	25.000	25.000	25.000

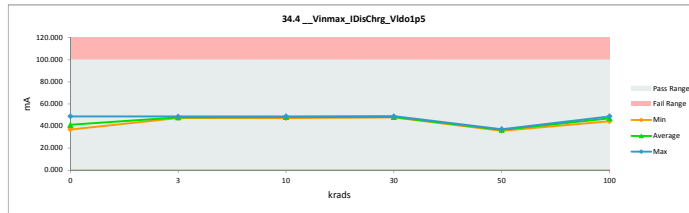


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34.4_Vinmax_IDisChrg_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	45.051	45.051	0.000
3	A79_Biased	48.071	48.407	-0.336
3	A80_Unbiased	47.073	48.405	-1.332
3	B1_Biased	48.508	48.592	-0.084
3	B2_Biased	47.057	47.192	-0.135
3	C1_Biased	47.740	47.580	0.160
3	A82_Unbiased	46.911	48.277	-1.366
3	A83_Unbiased	46.806	47.833	-1.027
3	B4_Unbiased	47.235	47.320	-0.085
3	B5_Unbiased	47.868	48.058	-0.190
3	C2_Unbiased	48.024	47.880	0.144
10	A85_Biased	47.128	48.708	-1.580
10	A86_Biased	45.778	48.259	-2.481
10	B6_Biased	48.103	47.709	0.394
10	C3_Biased	48.729	47.960	0.769
10	C4_Biased	47.826	47.377	0.449
10	A87_Unbiased	48.146	48.513	-0.367
10	A88_Unbiased	47.868	48.477	-0.609
10	B7_Unbiased	47.933	48.333	-0.400
10	C5_Unbiased	48.017	47.992	0.025
10	C6_Unbiased	48.645	48.576	0.069
0	106_Corr	48.861	48.861	0.000
30	A89_Biased	47.675	47.940	-0.265
30	B8_Biased	47.894	48.140	-0.246
30	B9_Biased	47.730	48.005	-0.275
30	C7_Biased	48.395	48.177	0.218
30	C9_Biased	48.372	48.268	0.008
30	A90_Unbiased	48.605	48.922	-0.317
30	B10_Unbiased	47.986	48.261	-0.275
30	B11_Unbiased	48.238	48.489	-0.251
30	C11_Unbiased	48.445	48.221	0.224
30	C12_Unbiased	48.231	47.995	0.236
0	106_Corr	36.999	36.999	0.000
0	15B_Corr	37.314	37.314	0.000
50	A92_Biased	48.120	37.241	10.879
50	A93_Biased	47.660	36.740	10.920
50	B12_Biased	47.905	36.764	11.141
50	B13_Biased	47.068	35.761	11.307
50	C14_Biased	48.405	36.414	11.991
50	A95_Unbiased	47.770	36.914	10.856
50	A96_Unbiased	47.908	36.442	11.466
50	B15_Unbiased	47.913	37.117	10.796
50	B16_Unbiased	47.824	36.411	11.413
50	C15_Unbiased	47.731	36.544	11.187
0	106_Corr	48.861	37.152	11.709
100	A97_Biased	48.484	47.789	0.695
100	A99_Biased	47.600	46.623	0.977
100	A100_Biased	47.245	45.242	2.003
100	A101_Biased	48.086	47.289	0.797
100	A102_Biased	47.974	47.350	0.624
100	A104_Biased	47.984	44.365	3.619
100	A105_Biased	47.913	46.206	1.707
100	B17_Biased	47.691	46.126	1.565
100	B18_Biased	47.333	46.467	0.866
100	B19_Biased	48.189	46.451	1.738
100	B20_Biased	47.901	47.538	0.363
100	B21_Biased	48.137	47.059	1.078
100	B24_Biased	47.575	47.216	0.359
100	B25_Biased	48.057	48.515	-0.458
100	B26_Biased	47.815	48.201	-0.386
100	C16_Biased	47.735	46.486	1.249
100	C17_Biased	48.671	46.455	2.216
100	C18_Biased	48.229	46.704	1.525
100	C19_Biased	48.532	45.689	2.843
100	C25_Biased	48.451	47.992	0.459
100	C26_Biased	48.193	44.893	3.300
100	C31_Biased	48.265	47.511	0.754
100	A107_Unbiased	47.333	46.273	1.060
100	A108_Unbiased	46.810	46.335	0.475
100	A109_Unbiased	45.963	46.818	-0.855
100	A110_Unbiased	47.866	46.717	1.149
100	A111_Unbiased	47.821	46.701	1.120
100	A112_Unbiased	47.821	46.325	1.496
100	A113_Unbiased	48.037	46.738	1.299
100	B27_Unbiased	47.527	47.951	-0.424
100	B29_Unbiased	48.304	48.825	-0.521
100	B30_Unbiased	47.825	48.226	-0.401
100	B31_Unbiased	48.041	48.231	-0.190
100	B32_Unbiased	36.695	48.378	-11.683
100	B33_Unbiased	47.954	48.433	-0.479
100	B34_Unbiased	36.458	47.649	-11.211
100	B35_Unbiased	48.266	48.659	-0.393
100	C32_Unbiased	47.692	45.969	1.723
100	C33_Unbiased	48.222	48.028	0.194
100	C34_Unbiased	48.874	48.352	0.522
100	C35_Unbiased	48.014	46.284	1.730
100	C36_Unbiased	47.775	45.640	2.135
100	C37_Unbiased	48.476	45.965	2.511
100	C38_Unbiased	48.593	47.527	1.066
	Max	48.874	48.922	11.991
	Average	47.980	45.886	1.494
	Min	36.458	35.761	-11.683
	Std Dev	2.378	3.925	4.208

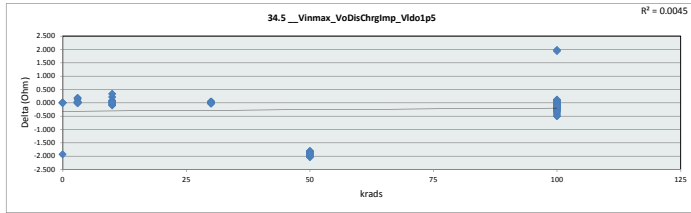


34.4_Vinmax_IDisChrg_Vldo						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	1	mA				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	36.999	47.192	47.377	47.940	35.761	44.365
Average	41.075	47.954	48.190	48.251	36.635	47.005
Max	48.861	48.592	48.708	48.922	37.241	48.825
UL	100.000	100.000	100.000	100.000	100.000	100.000

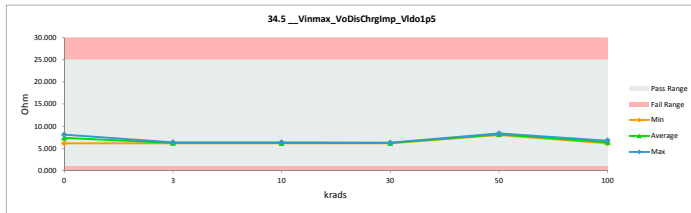


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34.5_Vinmax_VoDisChrgImp_p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	6.659	6.659	0.000
3	A79_Biased	6.241	6.197	0.044
3	A80_Biased	6.373	6.198	0.175
3	B1_Biased	6.185	6.174	0.011
3	B2_Biased	6.375	6.357	0.018
3	C1_Biased	6.284	6.305	-0.021
3	A82_Unbiased	6.395	6.214	0.181
3	A83_Unbiased	6.409	6.272	0.137
3	B4_Unbiased	6.351	6.340	0.011
3	B5_Unbiased	6.267	6.242	0.025
3	C2_Unbiased	6.247	6.266	-0.019
10	A85_Biased	6.366	6.159	0.207
10	A86_Biased	6.453	6.216	0.237
10	B6_Biased	6.237	6.288	-0.051
10	C3_Biased	6.157	6.255	-0.098
10	C4_Biased	6.273	6.332	-0.059
10	A87_Unbiased	6.231	6.184	0.047
10	A88_Unbiased	6.267	6.189	0.078
10	B7_Unbiased	6.259	6.207	0.052
10	C5_Unbiased	6.248	6.251	-0.003
10	C6_Unbiased	6.167	6.176	-0.009
0	106_Corr	6.140	6.140	0.000
30	A89_Biased	6.293	6.258	0.035
30	B8_Biased	6.264	6.232	0.032
30	B9_Biased	6.285	6.249	0.036
30	C7_Biased	6.199	6.227	-0.028
30	C9_Biased	6.202	6.203	-0.001
30	A90_Unbiased	6.172	6.132	0.040
30	B10_Unbiased	6.252	6.216	0.036
30	B11_Unbiased	6.219	6.187	0.032
30	C11_Unbiased	6.221	6.228	-0.007
30	C12_Unbiased	6.220	6.251	-0.031
0	106_Corr	8.108	8.108	0.000
0	15B_Corr	8.040	8.040	0.000
50	A92_Biased	6.234	8.056	-1.822
50	A93_Biased	6.295	8.166	-1.871
50	B12_Biased	6.262	8.160	-1.898
50	B13_Biased	6.374	8.389	-2.015
50	C14_Biased	6.198	8.239	-2.041
50	A95_Unbiased	6.280	8.127	-1.847
50	A96_Unbiased	6.262	8.232	-1.970
50	B15_Unbiased	6.261	8.083	-1.822
50	B16_Unbiased	6.273	8.239	-1.966
50	C15_Unbiased	6.285	8.209	-1.924
0	106_Corr	6.140	8.075	-1.935
100	A97_Biased	6.188	6.278	-0.090
100	A99_Biased	6.303	6.435	-0.132
100	A100_Biased	6.350	6.631	-0.281
100	A101_Biased	6.339	6.344	-0.005
100	A102_Biased	6.253	6.336	-0.083
100	A104_Biased	6.252	6.762	-0.510
100	A105_Biased	6.261	6.493	-0.232
100	B17_Biased	6.290	6.504	-0.214
100	B18_Biased	6.338	6.456	-0.118
100	B19_Biased	6.225	6.458	-0.233
100	B20_Biased	6.263	6.311	-0.048
100	B21_Biased	6.232	6.375	-0.143
100	B24_Biased	6.306	6.354	-0.048
100	B25_Biased	6.243	6.184	0.059
100	B26_Biased	6.274	6.224	0.050
100	C16_Biased	6.285	6.454	-0.169
100	C17_Biased	6.164	6.458	-0.294
100	C18_Biased	6.220	6.203	0.017
100	C19_Biased	6.181	6.566	-0.385
100	C25_Biased	6.192	6.251	-0.059
100	C26_Biased	6.225	6.683	-0.458
100	C31_Biased	6.216	6.314	-0.098
100	A107_Unbiased	6.338	6.453	-0.115
100	A108_Unbiased	6.409	6.475	-0.066
100	A109_Unbiased	6.527	6.408	0.119
100	A110_Unbiased	6.267	6.422	-0.155
100	A111_Unbiased	6.273	6.124	0.149
100	A112_Unbiased	6.273	6.476	-0.203
100	A113_Unbiased	6.245	6.419	-0.174
100	B27_Unbiased	6.312	6.256	0.056
100	B29_Unbiased	6.211	6.144	0.067
100	B30_Unbiased	6.273	6.221	0.052
100	B31_Unbiased	6.245	6.220	0.025
100	B32_Unbiased	8.176	6.201	1.975
100	B33_Unbiased	6.256	6.194	0.062
100	B34_Unbiased	8.229	6.293	1.936
100	B35_Unbiased	6.216	6.165	0.051
100	C32_Unbiased	6.290	6.526	-0.236
100	C33_Unbiased	6.221	6.246	-0.025
100	C34_Unbiased	6.138	6.205	-0.067
100	C35_Unbiased	6.248	6.482	-0.234
100	C36_Unbiased	6.279	6.573	-0.294
100	C37_Unbiased	6.189	6.527	-0.338
100	C38_Unbiased	6.174	6.312	-0.138
	Max	8.229	8.389	1.975
	Average	6.352	6.394	-0.042
	Min	6.138	6.132	-0.006
	Std Dev	0.399	0.667	0.714

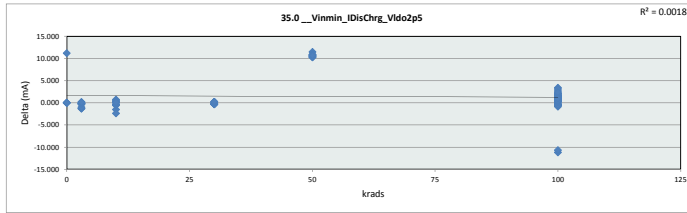


34.5_Vinmax_VoDisChrgImp						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	6.140	6.174	6.159	6.132	8.056	6.144
Average	7.404	6.257	6.226	6.218	8.190	6.386
Max	8.108	6.357	6.332	6.258	8.389	6.762
UL	25.000	25.000	25.000	25.000	25.000	25.000

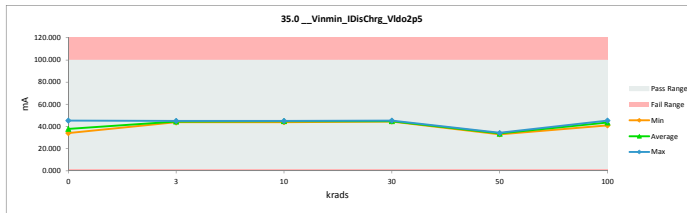


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35.0_Vinmin_IDisChrg_Vldo2p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	41.649	41.649	0.000
3	A79_Biased	44.500	44.832	-0.332
3	A80_Biased	43.554	44.922	-1.268
3	B1_Biased	44.888	44.990	-0.102
3	B2_Biased	43.591	43.722	-0.131
3	C1_Biased	44.162	44.014	0.148
3	A82_Unbiased	43.413	44.713	-1.300
3	A83_Unbiased	43.538	44.922	-0.984
3	B4_Unbiased	43.698	43.799	-0.101
3	B5_Unbiased	44.262	44.444	-0.182
3	C2_Unbiased	44.437	44.315	0.122
10	A85_Biased	43.596	45.102	-1.506
10	A86_Biased	42.324	44.682	-2.358
10	B6_Biased	44.507	44.133	0.374
10	C3_Biased	45.146	44.400	0.746
10	C4_Biased	44.239	43.802	0.437
10	A87_Unbiased	44.565	44.934	-0.369
10	A88_Unbiased	44.311	44.893	-0.582
10	B7_Unbiased	44.317	44.713	-0.396
10	C5_Unbiased	44.408	44.383	0.025
10	C6_Unbiased	45.071	44.986	0.085
0	106_Corr	45.248	45.248	0.000
30	A89_Biased	44.174	44.449	-0.275
30	B8_Biased	44.301	44.537	-0.236
30	B9_Biased	44.154	44.423	-0.269
30	C7_Biased	44.784	44.576	0.208
30	C9_Biased	44.753	44.751	0.002
30	A90_Unbiased	45.004	45.344	-0.340
30	B10_Unbiased	44.381	44.666	-0.285
30	B11_Unbiased	44.623	44.876	-0.253
30	C11_Unbiased	44.856	44.662	0.194
30	C12_Unbiased	44.600	44.385	0.215
0	106_Corr	33.922	33.922	0.000
0	158_Corr	34.229	34.229	0.000
50	A92_Biased	44.558	34.168	10.390
50	A93_Biased	44.063	33.652	10.411
50	B12_Biased	44.316	33.689	10.627
50	B13_Biased	43.625	32.821	10.804
50	C14_Biased	44.822	33.359	11.463
50	A95_Unbiased	44.230	33.858	10.372
50	A96_Unbiased	44.342	33.389	10.953
50	B15_Unbiased	44.324	34.033	10.291
50	B16_Unbiased	44.230	33.365	10.865
50	C15_Unbiased	44.146	33.420	10.726
0	106_Corr	45.248	45.248	0.000
100	A97_Biased	44.896	44.273	0.623
100	A99_Biased	44.058	43.157	0.901
100	A100_Biased	43.727	41.829	1.898
100	A101_Biased	44.513	43.793	0.720
100	A102_Biased	44.389	43.800	0.589
100	A104_Biased	44.428	41.020	3.408
100	A105_Biased	44.361	42.752	1.609
100	B17_Biased	44.093	42.648	1.445
100	B18_Biased	43.766	42.985	0.781
100	B19_Biased	44.569	42.957	1.612
100	B20_Biased	44.294	43.974	0.320
100	B21_Biased	44.551	43.542	1.009
100	B24_Biased	44.008	43.722	0.286
100	B25_Biased	44.452	44.917	-0.465
100	B26_Biased	44.204	44.609	-0.405
100	C16_Biased	44.144	42.977	1.167
100	C17_Biased	45.080	42.978	2.102
100	C18_Biased	44.626	43.204	1.422
100	C19_Biased	44.887	42.192	2.695
100	C25_Biased	44.816	44.393	0.423
100	C26_Biased	44.654	41.516	3.138
100	C31_Biased	44.684	43.990	0.694
100	A107_Unbiased	43.806	42.517	0.989
100	A108_Unbiased	43.273	42.837	0.436
100	A109_Unbiased	42.538	43.362	-0.824
100	A110_Unbiased	44.327	43.262	1.065
100	A111_Unbiased	44.279	43.237	1.042
100	A112_Unbiased	44.233	42.834	1.399
100	A113_Unbiased	44.461	43.264	1.197
100	B27_Unbiased	43.962	44.372	-0.410
100	B29_Unbiased	44.676	45.204	-0.528
100	B30_Unbiased	44.212	44.625	-0.413
100	B31_Unbiased	44.422	44.626	-0.204
100	B32_Unbiased	33.612	44.767	-11.155
100	B33_Unbiased	44.349	44.818	-0.469
100	B34_Unbiased	33.413	44.120	-10.707
100	B35_Unbiased	44.668	45.065	-0.397
100	C32_Unbiased	44.096	42.471	1.625
100	C33_Unbiased	44.605	44.448	0.157
100	C34_Unbiased	45.281	44.800	0.481
100	C35_Unbiased	44.434	42.799	1.635
100	C36_Unbiased	44.201	42.188	2.013
100	C37_Unbiased	44.831	42.463	2.368
100	C38_Unbiased	45.003	43.996	1.007
	Max	45.281	45.344	11.463
	Average	43.829	42.417	1.412
	Min	33.413	32.821	-11.155
	Std Dev	2.268	3.749	4.020

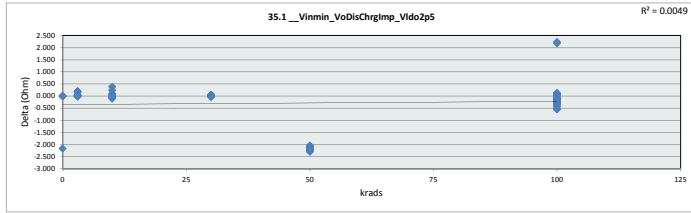


35.0_Vinmin_IDisChrg_Vldo2p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	1	mA				
Krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	33.922	43.722	43.802	44.385	32.821	41.020
Average	37.823	44.397	44.603	44.667	33.575	43.491
Max	45.248	44.990	45.102	45.344	34.168	45.204
UL	100.000	100.000	100.000	100.000	100.000	100.000

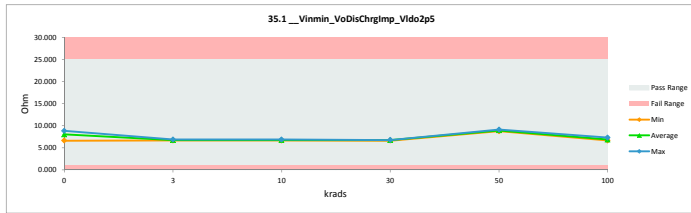


TID 100krad LDR Report
TPS7H3301-SP

35.1_Vinmin_VoDisChrgImp_V				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	7.203	7.203	0.000
3	A79_Biased	6.742	6.692	0.050
3	A80_Biased	6.888	6.693	0.195
3	B1_Biased	6.683	6.668	0.015
3	B2_Biased	6.882	6.862	0.020
3	C1_Biased	6.793	6.816	-0.023
3	A82_Unbiased	6.910	6.709	0.201
3	A83_Unbiased	6.922	6.769	0.153
3	B4_Unbiased	6.865	6.849	0.016
3	B5_Unbiased	6.778	6.750	0.028
3	C2_Unbiased	6.751	6.770	-0.019
10	A85_Biased	6.881	6.652	0.229
10	A86_Biased	7.088	6.714	0.374
10	B6_Biased	6.740	6.798	-0.058
10	C3_Biased	6.645	6.757	-0.112
10	C4_Biased	6.781	6.849	-0.068
10	A87_Unbiased	6.732	6.676	0.056
10	A88_Unbiased	6.770	6.683	0.087
10	B7_Unbiased	6.769	6.709	0.060
10	C5_Unbiased	6.755	6.759	-0.004
10	C6_Unbiased	6.656	6.669	-0.013
0	106_Corr	6.630	6.630	0.000
30	A89_Biased	6.791	6.749	0.042
30	B8_Biased	6.772	6.736	0.036
30	B9_Biased	6.794	6.753	0.041
30	C7_Biased	6.699	6.730	-0.031
30	C9_Biased	6.703	6.704	-0.001
30	A90_Unbiased	6.666	6.616	0.050
30	B10_Unbiased	6.760	6.716	0.044
30	B11_Unbiased	6.723	6.685	0.038
30	C11_Unbiased	6.717	6.717	-0.029
30	C12_Unbiased	6.726	6.759	-0.033
0	106_Corr	8.844	8.844	0.000
0	15B_Corr	8.764	8.764	0.000
50	A92_Biased	6.733	8.780	-2.047
50	A93_Biased	6.838	8.915	-2.107
50	B12_Biased	6.770	8.905	-2.135
50	B13_Biased	6.877	9.141	-2.264
50	C14_Biased	6.693	8.993	-2.300
50	A95_Unbiased	6.783	8.861	-2.078
50	A96_Unbiased	6.766	8.985	-2.219
50	B15_Unbiased	6.768	8.815	-2.047
50	B16_Unbiased	6.783	8.991	-2.208
50	C15_Unbiased	6.796	8.977	-2.181
0	106_Corr	6.630	8.826	-2.176
100	A97_Biased	6.682	6.776	-0.094
100	A99_Biased	6.809	6.951	-0.142
100	A100_Biased	6.961	7.172	-0.311
100	A101_Biased	6.740	6.850	-0.110
100	A102_Biased	6.758	6.849	-0.091
100	A104_Biased	6.752	7.314	-0.562
100	A105_Biased	6.763	7.017	-0.254
100	B17_Biased	6.804	7.034	-0.230
100	B18_Biased	6.855	6.979	-0.124
100	B19_Biased	6.731	6.984	-0.253
100	B20_Biased	6.773	6.822	-0.049
100	B21_Biased	6.734	6.890	-0.156
100	B24_Biased	6.817	6.862	-0.045
100	B25_Biased	6.749	6.679	0.070
100	B26_Biased	6.787	6.725	0.062
100	C16_Biased	6.796	6.980	-0.184
100	C17_Biased	6.655	6.980	-0.325
100	C18_Biased	6.723	6.944	-0.221
100	C19_Biased	6.683	7.110	-0.427
100	C25_Biased	6.694	6.758	-0.064
100	C26_Biased	6.718	7.226	-0.508
100	C31_Biased	6.714	6.820	-0.106
100	A107_Unbiased	6.848	7.007	-0.159
100	A108_Unbiased	6.933	7.003	-0.070
100	A109_Unbiased	7.053	6.918	0.135
100	A110_Unbiased	6.768	6.935	-0.167
100	A111_Unbiased	6.775	6.939	-0.164
100	A112_Unbiased	6.782	7.004	-0.222
100	A113_Unbiased	6.747	6.934	-0.187
100	B27_Unbiased	6.824	6.761	0.063
100	B29_Unbiased	6.715	6.637	0.078
100	B30_Unbiased	6.786	6.723	0.063
100	B31_Unbiased	6.753	6.723	0.030
100	B32_Unbiased	8.925	6.701	2.224
100	B33_Unbiased	6.764	6.694	0.070
100	B34_Unbiased	8.979	6.800	2.179
100	B35_Unbiased	6.716	6.657	0.059
100	C32_Unbiased	6.803	7.064	-0.261
100	C33_Unbiased	6.726	6.749	-0.023
100	C34_Unbiased	6.625	6.696	-0.071
100	C35_Unbiased	6.752	7.099	-0.257
100	C36_Unbiased	6.787	7.111	-0.324
100	C37_Unbiased	6.692	7.065	-0.373
100	C38_Unbiased	6.666	6.819	-0.153
	Max	8.979	9.141	2.224
	Average	6.868	7.138	-0.270
	Min	6.625	6.616	-2.300
	Std Dev	0.448	0.751	0.804

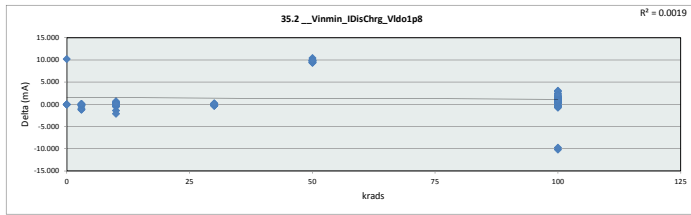


35.1_Vinmin_VoDisChrgImp						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
Krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	6.630	6.668	6.652	6.616	8.780	6.637
Average	8.049	6.758	6.727	6.717	8.936	6.902
Max	8.844	6.862	6.849	6.759	9.141	7.314
UL	25.000	25.000	25.000	25.000	25.000	25.000

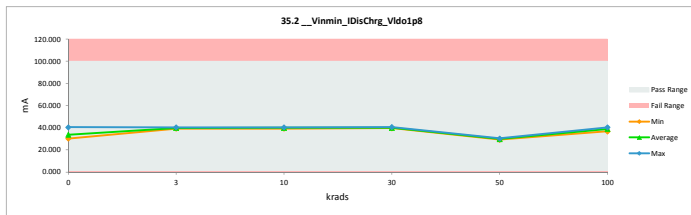


TID 100krad LDR Report
TPS7H3301-SP

35.2_Vinmin_IDisChrg_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	37.279	37.279	0.000
3	A79_Biased	39.842	40.140	-0.298
3	A80_Biased	38.979	40.121	-1.142
3	B1_Biased	40.182	40.275	-0.093
3	B2_Biased	39.070	39.200	-0.130
3	C1_Biased	39.491	39.337	0.154
3	A82_Unbiased	38.865	40.038	-1.173
3	A83_Unbiased	38.833	39.723	-0.890
3	B4_Unbiased	39.100	39.213	-0.113
3	B5_Unbiased	39.553	39.722	-0.169
3	C2_Unbiased	39.723	39.612	0.111
10	A85_Biased	38.996	40.359	-1.363
10	A86_Biased	37.847	39.986	-2.139
10	B6_Biased	39.796	39.477	0.319
10	C3_Biased	40.436	39.744	0.692
10	C4_Biased	39.525	39.136	0.389
10	A87_Unbiased	39.914	40.247	-0.333
10	A88_Unbiased	39.646	40.182	-0.536
10	B7_Unbiased	39.599	39.980	-0.381
10	C5_Unbiased	39.676	39.644	0.032
10	C6_Unbiased	40.346	40.252	0.094
0	106_Corr	40.523	40.523	0.000
30	A89_Biased	39.618	39.873	-0.255
30	B8_Biased	39.595	39.826	-0.231
30	B9_Biased	39.486	39.749	-0.263
30	C7_Biased	40.002	39.835	0.167
30	C9_Biased	39.972	39.966	0.006
30	A90_Unbiased	40.310	40.640	-0.330
30	B10_Unbiased	39.705	39.963	-0.258
30	B11_Unbiased	39.892	40.145	-0.253
30	C11_Unbiased	40.119	39.950	0.169
30	C12_Unbiased	39.836	39.637	0.199
0	106_Corr	30.192	30.192	0.000
0	158_Corr	30.478	30.478	0.000
50	A92_Biased	39.899	30.414	9.485
50	A93_Biased	39.860	29.890	9.970
50	B12_Biased	39.646	29.958	9.688
50	B13_Biased	39.137	29.262	9.875
50	C14_Biased	40.093	29.642	10.451
50	A95_Unbiased	39.620	30.143	9.477
50	A96_Unbiased	39.655	29.676	9.979
50	B15_Unbiased	39.639	30.278	9.361
50	B16_Unbiased	39.575	29.672	9.903
50	C15_Unbiased	39.444	29.618	9.826
0	106_Corr	40.523	40.523	0.000
100	A97_Biased	40.211	39.662	0.549
100	A99_Biased	39.437	38.625	0.812
100	A100_Biased	39.151	37.423	1.728
100	A101_Biased	39.841	39.212	0.629
100	A102_Biased	39.693	39.144	0.549
100	A104_Biased	39.793	36.713	3.080
100	A105_Biased	39.720	38.263	1.457
100	B17_Biased	39.413	38.135	1.278
100	B18_Biased	39.159	38.461	0.698
100	B19_Biased	39.862	38.418	1.444
100	B20_Biased	39.583	39.320	0.263
100	B21_Biased	39.855	38.949	0.906
100	B24_Biased	39.396	39.157	0.239
100	B25_Biased	39.773	40.198	-0.425
100	B26_Biased	39.530	39.901	-0.371
100	C16_Biased	39.431	38.392	1.039
100	C17_Biased	40.318	38.419	1.899
100	C18_Biased	39.915	38.630	1.285
100	C19_Biased	40.075	37.633	2.442
100	C25_Biased	40.017	39.638	0.379
100	C26_Biased	39.961	37.124	2.837
100	C31_Biased	39.963	39.344	0.619
100	A107_Unbiased	39.207	38.313	0.894
100	A108_Unbiased	38.659	38.266	0.393
100	A109_Unbiased	38.110	38.858	-0.748
100	A110_Unbiased	39.720	38.760	0.960
100	A111_Unbiased	39.651	38.710	0.941
100	A112_Unbiased	39.522	38.268	1.254
100	A113_Unbiased	39.791	38.727	1.064
100	B27_Unbiased	39.339	39.693	-0.354
100	B29_Unbiased	39.973	40.450	-0.477
100	B30_Unbiased	39.531	39.904	-0.373
100	B31_Unbiased	39.690	39.897	-0.207
100	B32_Unbiased	29.877	40.034	-10.157
100	B33_Unbiased	39.655	40.081	-0.426
100	B34_Unbiased	39.718	39.476	0.242
100	B35_Unbiased	39.978	40.344	-0.366
100	C32_Unbiased	39.365	37.916	1.449
100	C33_Unbiased	39.881	39.747	0.134
100	C34_Unbiased	40.555	40.124	0.431
100	C35_Unbiased	39.745	38.262	1.483
100	C36_Unbiased	39.503	37.693	1.810
100	C37_Unbiased	40.017	37.880	2.137
100	C38_Unbiased	40.288	39.368	0.920
	Max	40.555	40.640	10.451
	Average	39.201	37.920	1.281
	Min	29.718	29.262	-10.157
	Std Dev	2.061	3.416	3.666

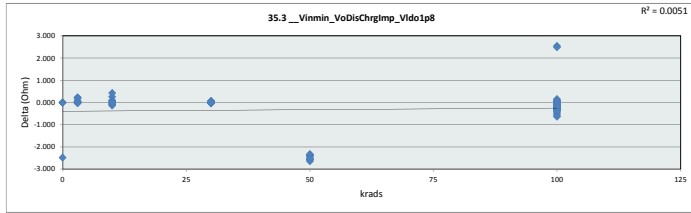


35.2_Vinmin_IDisChrg_Vldo1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	100					
Min Limit	1					
Units	mA					
Krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	30.192	39.200	39.136	39.637	29.262	36.713
Average	33.759	39.738	39.901	39.958	29.855	38.898
Max	40.523	40.275	40.359	40.640	30.414	40.450
UL	100.000	100.000	100.000	100.000	100.000	100.000

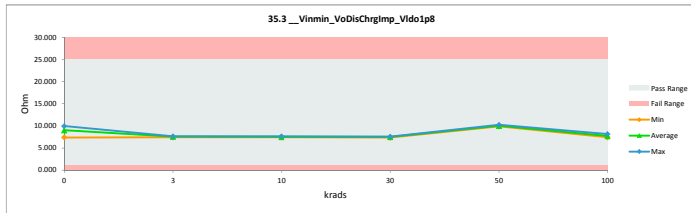


TID 100krad LDR Report
TPS7H3301-SP

35.3_Vinmin_VoDisChrgImp_V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	8.048	8.048	0.000
3	A79_Biased	7.530	7.474	0.056
3	A80_Biased	7.697	7.477	0.220
3	B1_Biased	7.466	7.449	0.017
3	B2_Biased	7.678	7.653	0.025
3	C1_Biased	7.597	7.626	-0.029
3	A82_Unbiased	7.719	7.493	0.226
3	A83_Unbiased	7.725	7.552	0.173
3	B4_Unbiased	7.673	7.651	0.022
3	B5_Unbiased	7.585	7.552	0.033
3	C2_Unbiased	7.552	7.573	-0.021
10	A85_Biased	7.693	7.433	0.260
10	A86_Biased	7.927	7.503	0.424
10	B6_Biased	7.539	7.599	-0.060
10	C3_Biased	7.419	7.548	-0.129
10	C4_Biased	7.590	7.666	-0.076
10	A87_Unbiased	7.516	7.454	0.062
10	A88_Unbiased	7.567	7.466	0.101
10	B7_Unbiased	7.576	7.504	0.072
10	C5_Unbiased	7.561	7.567	-0.006
10	C6_Unbiased	7.436	7.453	-0.017
0	106_Corr	7.403	7.403	0.000
30	A89_Biased	7.572	7.524	0.048
30	B8_Biased	7.577	7.533	0.044
30	B9_Biased	7.598	7.547	0.051
30	C7_Biased	7.500	7.531	-0.031
30	C9_Biased	7.506	7.506	-0.000
30	A90_Unbiased	7.442	7.382	0.060
30	B10_Unbiased	7.556	7.507	0.049
30	B11_Unbiased	7.520	7.473	0.047
30	C11_Unbiased	7.478	7.509	-0.031
30	C12_Unbiased	7.531	7.569	-0.038
0	106_Corr	9.936	9.936	0.000
0	15B_Corr	9.843	9.843	0.000
50	A92_Biased	7.519	9.864	-2.345
50	A93_Biased	7.622	10.037	-2.415
50	B12_Biased	7.567	10.014	-2.447
50	B13_Biased	7.665	10.252	-2.587
50	C14_Biased	7.483	10.121	-2.638
50	A95_Unbiased	7.572	9.952	-2.380
50	A96_Unbiased	7.565	10.109	-2.544
50	B15_Unbiased	7.568	9.908	-2.340
50	B16_Unbiased	7.581	10.111	-2.530
50	C15_Unbiased	7.606	10.129	-2.523
0	106_Corr	7.403	9.893	-2.490
100	A97_Biased	7.461	7.564	-0.103
100	A99_Biased	7.607	7.767	-0.160
100	A100_Biased	7.663	8.016	-0.353
100	A101_Biased	7.530	7.651	-0.121
100	A102_Biased	7.558	7.644	-0.106
100	A104_Biased	7.539	8.172	-0.633
100	A105_Biased	7.553	7.840	-0.287
100	B17_Biased	7.612	7.867	-0.255
100	B18_Biased	7.661	7.800	-0.139
100	B19_Biased	7.526	7.809	-0.283
100	B20_Biased	7.579	7.630	-0.051
100	B21_Biased	7.527	7.702	-0.175
100	B24_Biased	7.615	7.661	-0.046
100	B25_Biased	7.543	7.463	0.080
100	B26_Biased	7.589	7.519	0.070
100	C16_Biased	7.608	7.814	-0.206
100	C17_Biased	7.441	7.809	-0.368
100	C18_Biased	7.516	7.766	-0.250
100	C19_Biased	7.486	7.972	-0.486
100	C25_Biased	7.497	7.568	-0.071
100	C26_Biased	7.507	8.081	-0.574
100	C31_Biased	7.507	7.626	-0.118
100	A107_Unbiased	7.452	7.630	-0.178
100	A108_Unbiased	7.760	7.840	-0.080
100	A109_Unbiased	7.872	7.720	0.152
100	A110_Unbiased	7.553	7.740	-0.187
100	A111_Unbiased	7.566	7.750	-0.184
100	A112_Unbiased	7.591	7.840	-0.249
100	A113_Unbiased	7.539	7.747	-0.208
100	B27_Unbiased	7.626	7.558	0.068
100	B29_Unbiased	7.505	7.417	0.088
100	B30_Unbiased	7.589	7.518	0.071
100	B31_Unbiased	7.559	7.519	0.040
100	B32_Unbiased	10.041	7.494	2.547
100	B33_Unbiased	7.565	7.485	0.080
100	B34_Unbiased	10.095	7.600	2.495
100	B35_Unbiased	7.504	7.436	0.068
100	C32_Unbiased	7.621	7.912	-0.291
100	C33_Unbiased	7.522	7.548	-0.026
100	C34_Unbiased	7.397	7.477	-0.080
100	C35_Unbiased	7.548	7.841	-0.293
100	C36_Unbiased	7.594	7.959	-0.365
100	C37_Unbiased	7.497	7.920	-0.423
100	C38_Unbiased	7.446	7.620	-0.174
	Max	10.095	10.252	2.547
	Average	7.679	7.988	-0.308
	Min	7.397	7.382	-2.638
	Std Dev	0.512	0.860	0.922

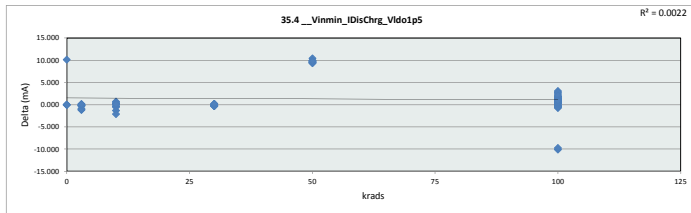


35.3_Vinmin_VoDisChrgImp_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
Krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	7.403	7.449	7.433	7.382	9.864	7.417
Average	9.025	7.550	7.519	7.508	10.050	7.717
Max	9.936	7.653	7.666	7.569	10.252	8.172
UL	25.000	25.000	25.000	25.000	25.000	25.000

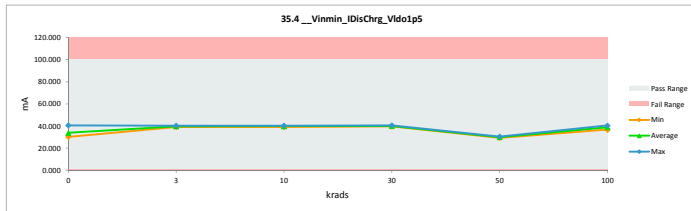


TID 100krad LDR Report
TPS7H3301-SP

35.4_Vinmin_IDisChrg_Vldo1p				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	100	100		
Min Limit	1	1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	37.342	37.342	0.000
3	A79_Biased	39.866	40.155	-0.289
3	A80_Unbiased	39.021	40.139	-1.118
3	B1_Biased	40.208	40.290	-0.082
3	B2_Biased	39.076	39.219	-0.143
3	C1_Biased	39.509	39.354	0.155
3	A82_Unbiased	38.906	40.059	-1.153
3	A83_Unbiased	38.874	39.752	-0.878
3	B4_Unbiased	39.117	39.230	-0.113
3	B5_Unbiased	39.558	39.738	-0.180
3	C2_Unbiased	39.752	39.629	0.123
10	A85_Biased	39.036	40.373	-1.337
10	A86_Biased	37.896	40.009	-2.113
10	B6_Biased	39.801	39.507	0.294
10	C3_Biased	40.447	39.770	0.677
10	C4_Biased	39.539	39.162	0.377
10	A87_Unbiased	39.944	40.265	-0.321
10	A88_Unbiased	39.670	40.198	-0.528
10	B7_Unbiased	39.620	39.997	-0.377
10	C5_Unbiased	39.699	39.663	0.036
10	C6_Unbiased	40.362	40.259	0.103
0	106_Corr	40.549	40.549	0.000
30	A89_Biased	39.647	39.897	-0.250
30	B8_Biased	39.598	39.850	-0.252
30	B9_Biased	39.488	39.774	-0.286
30	C7_Biased	40.008	39.860	0.148
30	C9_Biased	39.994	39.988	0.006
30	A90_Unbiased	40.336	40.665	-0.329
30	B10_Unbiased	39.727	39.986	-0.259
30	B11_Unbiased	39.901	40.169	-0.268
30	C11_Unbiased	40.146	39.975	0.171
30	C12_Unbiased	39.854	39.662	0.192
0	106_Corr	30.244	30.244	0.000
0	158_Corr	30.530	30.530	0.000
50	A92_Biased	39.927	30.467	9.460
50	A93_Biased	39.379	29.940	9.439
50	B12_Biased	39.672	30.009	9.663
50	B13_Biased	39.150	29.314	9.836
50	C14_Biased	40.116	29.693	10.423
50	A95_Unbiased	39.658	30.195	9.463
50	A96_Unbiased	39.669	29.726	9.943
50	B15_Unbiased	39.648	30.328	9.320
50	B16_Unbiased	39.599	29.723	9.876
50	C15_Unbiased	39.463	29.668	9.795
0	106_Corr	40.549	40.549	0.000
100	A97_Biased	40.236	39.708	0.528
100	A99_Biased	39.470	38.677	0.793
100	A100_Biased	39.186	37.483	1.703
100	A101_Biased	39.862	39.255	0.607
100	A102_Biased	39.721	39.184	0.537
100	A104_Biased	39.819	36.780	3.039
100	A105_Biased	39.739	38.316	1.423
100	B17_Biased	39.437	38.188	1.249
100	B18_Biased	39.184	38.503	0.681
100	B19_Biased	39.875	38.472	1.403
100	B20_Biased	39.596	39.359	0.237
100	B21_Biased	39.858	38.998	0.860
100	B24_Biased	39.428	39.197	0.231
100	B25_Biased	39.783	40.224	-0.441
100	B26_Biased	39.546	39.928	-0.382
100	C16_Biased	39.452	38.435	1.017
100	C17_Biased	40.328	38.474	1.854
100	C18_Biased	39.942	38.676	1.266
100	C19_Biased	40.094	37.692	2.402
100	C25_Biased	40.031	39.671	0.360
100	C26_Biased	39.975	37.187	2.788
100	C31_Biased	39.990	39.383	0.607
100	A107_Unbiased	39.242	38.369	0.873
100	A108_Unbiased	38.701	38.321	0.380
100	A109_Unbiased	38.158	38.902	-0.744
100	A110_Unbiased	39.750	38.813	0.937
100	A111_Unbiased	39.681	39.760	-0.079
100	A112_Unbiased	39.530	38.320	1.210
100	A113_Unbiased	39.818	38.777	1.041
100	B27_Unbiased	39.353	39.718	-0.365
100	B29_Unbiased	39.997	40.473	-0.476
100	B30_Unbiased	39.660	39.370	0.290
100	B31_Unbiased	39.703	39.927	-0.224
100	B32_Unbiased	29.926	40.060	-10.134
100	B33_Unbiased	39.665	40.107	-0.442
100	B34_Unbiased	39.772	39.505	0.267
100	B35_Unbiased	39.998	40.370	-0.372
100	C32_Unbiased	39.370	37.966	1.404
100	C33_Unbiased	39.914	39.775	0.139
100	C34_Unbiased	40.575	40.159	0.416
100	C35_Unbiased	39.760	38.309	1.451
100	C36_Unbiased	39.515	37.746	1.769
100	C37_Unbiased	40.047	37.937	2.110
100	C38_Unbiased	40.294	39.410	0.884
	Max	40.575	40.665	10.423
	Average	39.224	37.957	1.268
	Min	29.772	29.314	-10.134
	Std Dev	2.054	3.407	3.655

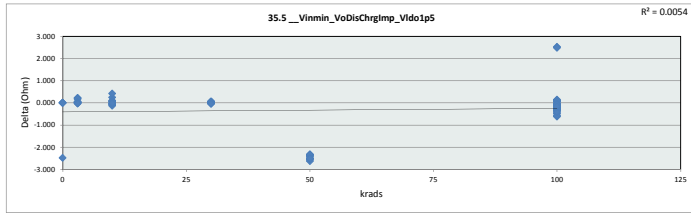


35.4_Vinmin_IDisChrg_Vldo1p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	100	mA				
Min Limit	1	mA				
Krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	30.244	39.219	39.162	39.662	29.314	36.780
Average	33.809	39.757	39.920	39.983	29.906	38.942
Max	40.549	40.290	40.373	40.665	30.467	40.473
UL	100.000	100.000	100.000	100.000	100.000	100.000

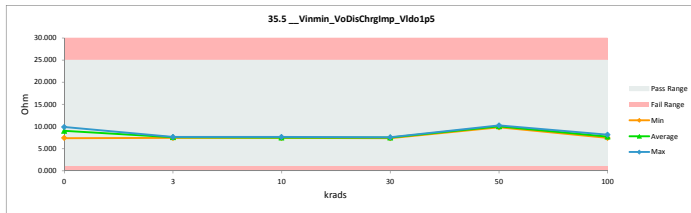


TID 100krad LDR Report
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35.5_Vinmin_VoDisChrgImp_V				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	Ohm	Ohm		
Max Limit	25	25		
Min Limit	1	1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	8.034	8.034	0.000
3	A79_Biased	7.525	7.471	0.054
3	A80_Biased	7.688	7.474	0.214
3	B1_Biased	7.461	7.446	0.015
3	B2_Biased	7.677	7.649	0.028
3	C1_Biased	7.593	7.623	-0.030
3	A82_Unbiased	7.711	7.489	0.222
3	A83_Unbiased	7.717	7.547	0.170
3	B4_Unbiased	7.669	7.647	0.022
3	B5_Unbiased	7.584	7.549	0.035
3	C2_Unbiased	7.547	7.570	-0.023
10	A85_Biased	7.685	7.431	0.254
10	A86_Biased	7.916	7.498	0.418
10	B6_Biased	7.537	7.594	-0.057
10	C3_Biased	7.417	7.543	-0.126
10	C4_Biased	7.587	7.661	-0.074
10	A87_Unbiased	7.510	7.451	0.059
10	A88_Unbiased	7.562	7.463	0.099
10	B7_Unbiased	7.572	7.501	0.071
10	C5_Unbiased	7.557	7.564	-0.007
10	C6_Unbiased	7.433	7.452	-0.019
0	106_Corr	7.398	7.398	0.000
30	A89_Biased	7.567	7.519	0.048
30	B8_Biased	7.576	7.528	0.048
30	B9_Biased	7.597	7.543	0.054
30	C7_Biased	7.498	7.526	-0.028
30	C9_Biased	7.501	7.502	-0.001
30	A90_Unbiased	7.437	7.377	0.060
30	B10_Unbiased	7.552	7.503	0.049
30	B11_Unbiased	7.519	7.468	0.051
30	C11_Unbiased	7.473	7.505	-0.032
30	C12_Unbiased	7.527	7.544	-0.037
0	106_Corr	9.919	9.919	0.000
0	15B_Corr	9.826	9.826	0.000
50	A92_Biased	7.514	7.847	-2.333
50	A93_Biased	7.618	10.020	-2.402
50	B12_Biased	7.562	9.997	-2.435
50	B13_Biased	7.663	10.234	-2.571
50	C14_Biased	7.478	10.103	-2.625
50	A95_Unbiased	7.565	9.936	-2.371
50	A96_Unbiased	7.563	10.092	-2.529
50	B15_Unbiased	7.567	9.892	-2.325
50	B16_Unbiased	7.576	10.093	-2.517
50	C15_Unbiased	7.602	10.112	-2.510
0	106_Corr	7.398	7.398	-2.477
100	A97_Biased	7.456	7.555	-0.099
100	A99_Biased	7.601	7.757	-0.156
100	A100_Biased	7.656	8.004	-0.348
100	A101_Biased	7.526	7.642	-0.116
100	A102_Biased	7.553	7.656	-0.103
100	A104_Biased	7.534	8.157	-0.623
100	A105_Biased	7.549	7.830	-0.281
100	B17_Biased	7.607	7.856	-0.249
100	B18_Biased	7.656	7.792	-0.136
100	B19_Biased	7.523	7.798	-0.275
100	B20_Biased	7.577	7.622	-0.045
100	B21_Biased	7.527	7.693	-0.166
100	B24_Biased	7.609	7.654	-0.045
100	B25_Biased	7.541	7.458	0.083
100	B26_Biased	7.586	7.513	0.073
100	C16_Biased	7.604	7.805	-0.201
100	C17_Biased	7.439	7.798	-0.359
100	C18_Biased	7.511	7.757	-0.246
100	C19_Biased	7.482	7.959	-0.477
100	C25_Biased	7.494	7.562	-0.068
100	C26_Biased	7.505	8.067	-0.562
100	C31_Biased	7.502	7.817	-0.115
100	A107_Unbiased	7.645	7.919	-0.174
100	A108_Unbiased	7.752	7.829	-0.077
100	A109_Unbiased	7.862	7.712	0.150
100	A110_Unbiased	7.547	7.729	-0.182
100	A111_Unbiased	7.560	7.740	-0.180
100	A112_Unbiased	7.589	7.829	-0.240
100	A113_Unbiased	7.534	7.737	-0.203
100	B27_Unbiased	7.623	7.553	0.070
100	B29_Unbiased	7.501	7.412	0.089
100	B30_Unbiased	7.583	7.513	0.070
100	B31_Unbiased	7.556	7.514	0.042
100	B32_Unbiased	10.025	7.489	2.536
100	B33_Unbiased	7.563	7.480	0.083
100	B34_Unbiased	10.077	7.594	2.483
100	B35_Unbiased	7.500	7.431	0.069
100	C32_Unbiased	7.620	7.902	-0.282
100	C33_Unbiased	7.516	7.542	-0.026
100	C34_Unbiased	7.394	7.470	-0.076
100	C35_Unbiased	7.545	7.531	-0.086
100	C36_Unbiased	7.592	7.948	-0.356
100	C37_Unbiased	7.491	7.908	-0.417
100	C38_Unbiased	7.445	7.612	-0.167
	Max	10.077	10.234	2.536
	Average	7.394	7.980	-0.585
	Min	7.394	7.377	-2.625
	Std Dev	0.509	0.856	0.917

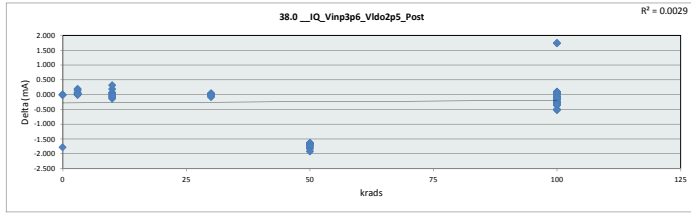


35.5_Vinmin_VoDisChrgImp_V						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	25	Ohm				
Min Limit	1	Ohm				
Krads	0	3	10	30	50	100
LL	1.000	1.000	1.000	1.000	1.000	1.000
Min	7.398	7.446	7.431	7.377	9.847	7.412
Average	9.010	7.547	7.516	7.504	10.033	7.708
Max	9.919	7.649	7.661	7.564	10.234	8.157
UL	25.000	25.000	25.000	25.000	25.000	25.000

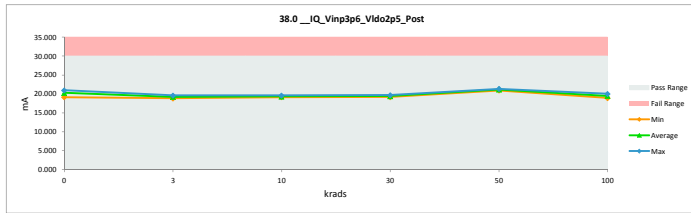


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38.0_IQ_Vinp3p6_Vldo2p5_Pos				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	19.627	19.627	0.000
3	A79_Biased	19.414	19.356	0.058
3	A80_Unbiased	19.404	19.217	0.187
3	B1_Biased	19.614	19.598	0.016
3	B2_Biased	18.904	18.858	0.046
3	C1_Biased	18.901	18.902	-0.001
3	A82_Unbiased	19.698	19.508	0.190
3	A83_Unbiased	19.611	19.474	0.137
3	B4_Unbiased	18.957	18.920	0.037
3	B5_Unbiased	19.274	19.244	0.030
3	C2_Unbiased	19.304	19.305	-0.001
10	A85_Biased	19.809	19.623	0.186
10	A86_Biased	19.470	19.155	0.315
10	B6_Biased	19.405	19.446	-0.041
10	C3_Biased	19.459	19.591	-0.132
10	C4_Biased	19.156	19.245	-0.089
10	A87_Unbiased	19.278	19.206	0.072
10	A88_Unbiased	19.517	19.456	0.061
10	B7_Unbiased	19.281	19.228	0.053
10	C5_Unbiased	19.214	19.214	0.000
10	C6_Unbiased	19.303	19.367	-0.064
0	106_Corr	19.150	19.150	0.000
30	A89_Biased	19.265	19.241	0.024
30	B8_Biased	19.404	19.437	-0.033
30	B9_Biased	19.705	19.661	0.044
30	C7_Biased	19.175	19.202	-0.027
30	C9_Biased	19.270	19.281	-0.011
30	A90_Unbiased	19.577	19.563	0.014
30	B10_Unbiased	19.691	19.690	0.001
30	B11_Unbiased	19.520	19.489	0.031
30	C11_Unbiased	19.439	19.439	-0.066
30	C12_Unbiased	19.424	19.465	-0.041
0	106_Corr	20.967	20.967	0.000
0	158_Corr	20.726	20.726	0.000
50	A92_Biased	19.568	21.227	-1.659
50	A93_Biased	19.252	20.902	-1.650
50	B12_Biased	19.674	21.364	-1.690
50	B13_Biased	19.256	21.086	-1.830
50	C14_Biased	19.294	21.068	-1.774
50	A95_Unbiased	19.565	21.200	-1.635
50	A96_Unbiased	19.406	21.130	-1.724
50	B15_Unbiased	19.497	21.120	-1.623
50	B16_Unbiased	19.620	21.351	-1.731
50	C15_Unbiased	19.221	21.144	-1.923
0	106_Corr	19.150	20.930	-1.780
100	A97_Biased	19.571	19.696	-0.125
100	A99_Biased	19.347	19.442	-0.095
100	A100_Biased	19.668	19.938	-0.270
100	A101_Biased	19.471	19.569	-0.098
100	A102_Biased	19.485	19.549	-0.064
100	A104_Biased	18.992	19.519	-0.527
100	A105_Biased	19.221	19.453	-0.232
100	B17_Biased	19.454	19.692	-0.238
100	B18_Biased	19.403	19.527	-0.124
100	B19_Biased	19.436	19.692	-0.256
100	B20_Biased	19.359	19.419	-0.060
100	B21_Biased	19.610	19.714	-0.104
100	B24_Biased	19.258	19.268	-0.010
100	B25_Biased	19.278	19.243	0.035
100	B26_Biased	19.293	19.202	0.091
100	C16_Biased	19.235	19.353	-0.118
100	C17_Biased	19.459	19.679	-0.220
100	C18_Biased	19.091	19.243	-0.252
100	C19_Biased	19.142	19.509	-0.367
100	C25_Biased	19.511	19.596	-0.085
100	C26_Biased	19.077	19.564	-0.487
100	C31_Biased	19.418	19.491	-0.073
100	A107_Unbiased	19.597	19.726	-0.129
100	A108_Unbiased	19.906	20.020	-0.114
100	A109_Unbiased	19.021	18.935	0.086
100	A110_Unbiased	19.239	19.483	-0.244
100	A111_Unbiased	19.368	19.525	-0.157
100	A112_Unbiased	19.409	19.667	-0.258
100	A113_Unbiased	19.452	19.605	-0.153
100	B27_Unbiased	19.095	18.989	0.106
100	B29_Unbiased	19.374	19.310	0.064
100	B30_Unbiased	19.600	19.519	0.081
100	B31_Unbiased	19.404	19.467	-0.063
100	B32_Unbiased	21.374	19.644	1.730
100	B33_Unbiased	19.554	19.490	0.064
100	B34_Unbiased	21.198	19.449	1.749
100	B35_Unbiased	19.497	19.455	0.042
100	C32_Unbiased	19.275	19.509	-0.234
100	C33_Unbiased	19.397	19.488	-0.091
100	C34_Unbiased	19.503	19.612	-0.109
100	C35_Unbiased	19.116	19.377	-0.261
100	C36_Unbiased	19.076	19.386	-0.310
100	C37_Unbiased	19.369	19.699	-0.330
100	C38_Unbiased	19.374	19.469	-0.095
	Max	21.374	21.364	1.749
	Average	19.453	19.482	-0.229
	Min	18.901	18.858	-1.923
	Std Dev	0.408	0.626	0.643

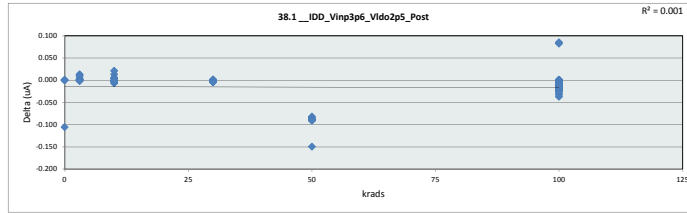


38.0_IQ_Vinp3p6_Vldo2p5_Pos						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	19.150	18.858	19.155	19.202	20.902	18.935
Average	20.280	19.238	19.353	19.447	21.159	19.506
Max	20.967	19.598	19.623	19.690	21.364	20.020
UL	30.000	30.000	30.000	30.000	30.000	30.000

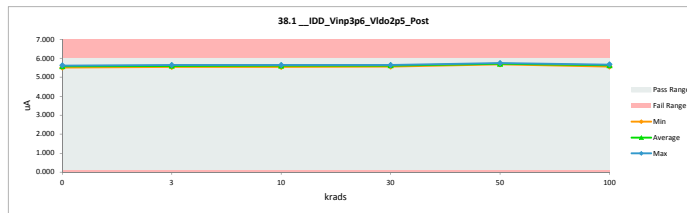


TID 100krad LDR Report
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38.1 IDD_Vinp3p6_Vido2p5_P				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.527	5.527	0.000
3	A79_Biased	5.638	5.634	0.004
3	A80_Biased	5.648	5.637	0.011
3	B1_Biased	5.645	5.644	0.001
3	B2_Biased	5.547	5.545	0.002
3	C1_Biased	5.538	5.539	-0.001
3	A82_Unbiased	5.641	5.628	0.013
3	A83_Unbiased	5.657	5.648	0.009
3	B4_Unbiased	5.562	5.562	0.000
3	B5_Unbiased	5.606	5.605	0.001
3	C2_Unbiased	5.577	5.579	-0.002
10	A85_Biased	5.651	5.638	0.013
10	A86_Biased	5.621	5.600	0.021
10	B6_Biased	5.630	5.633	-0.003
10	C3_Biased	5.643	5.650	-0.007
10	C4_Biased	5.537	5.541	-0.004
10	A87_Unbiased	5.634	5.631	0.003
10	A88_Unbiased	5.603	5.597	0.006
10	B7_Unbiased	5.611	5.607	0.004
10	C5_Unbiased	5.572	5.572	0.000
10	C6_Unbiased	5.599	5.601	-0.002
0	106_Corr	5.512	5.512	0.000
30	A89_Biased	5.630	5.631	-0.001
30	B8_Biased	5.638	5.638	0.000
30	B9_Biased	5.638	5.638	0.000
30	C7_Biased	5.564	5.567	-0.003
30	C9_Biased	5.612	5.614	-0.002
30	A90_Unbiased	5.648	5.646	0.002
30	B10_Unbiased	5.635	5.637	-0.002
30	B11_Unbiased	5.641	5.640	0.001
30	C11_Unbiased	5.596	5.596	-0.004
30	C12_Unbiased	5.583	5.588	-0.005
0	106_Corr	5.617	5.617	0.000
0	15B_Corr	5.588	5.588	0.000
50	A92_Biased	5.637	5.722	-0.085
50	A93_Biased	5.592	5.780	-0.088
50	B12_Biased	5.645	5.733	-0.088
50	B13_Biased	5.653	5.743	-0.090
50	C14_Biased	5.587	5.678	-0.091
50	A95_Unbiased	5.644	5.746	-0.082
50	A96_Unbiased	5.616	5.704	-0.088
50	B15_Unbiased	5.637	5.724	-0.087
50	B16_Unbiased	5.632	5.722	-0.090
50	C15_Unbiased	5.538	5.688	-0.150
0	106_Corr	5.512	5.512	-0.106
100	A97_Biased	5.659	5.670	-0.011
100	A99_Biased	5.600	5.612	-0.012
100	A100_Biased	5.631	5.656	-0.025
100	A101_Biased	5.612	5.626	-0.014
100	A102_Biased	5.606	5.610	-0.004
100	A104_Biased	5.586	5.623	-0.037
100	A105_Biased	5.620	5.642	-0.022
100	B17_Biased	5.608	5.628	-0.020
100	B18_Biased	5.606	5.622	-0.016
100	B19_Biased	5.647	5.670	-0.023
100	B20_Biased	5.630	5.639	-0.009
100	B21_Biased	5.642	5.659	-0.017
100	B24_Biased	5.618	5.626	-0.008
100	B25_Biased	5.584	5.584	0.000
100	B26_Biased	5.575	5.577	-0.002
100	C16_Biased	5.538	5.555	-0.017
100	C17_Biased	5.601	5.626	-0.025
100	C18_Biased	5.583	5.601	-0.018
100	C19_Biased	5.595	5.624	-0.029
100	C25_Biased	5.584	5.592	-0.008
100	C26_Biased	5.549	5.582	-0.033
100	C31_Biased	5.585	5.594	-0.009
100	A107_Unbiased	5.608	5.623	-0.015
100	A108_Unbiased	5.650	5.659	-0.009
100	A109_Unbiased	5.574	5.573	0.001
100	A110_Unbiased	5.622	5.638	-0.016
100	A111_Unbiased	5.640	5.657	-0.017
100	A112_Unbiased	5.634	5.652	-0.018
100	A113_Unbiased	5.623	5.640	-0.017
100	B27_Unbiased	5.577	5.579	-0.002
100	B29_Unbiased	5.630	5.629	0.001
100	B30_Unbiased	5.642	5.642	0.000
100	B31_Unbiased	5.636	5.639	-0.003
100	B32_Unbiased	5.731	5.646	0.085
100	B33_Unbiased	5.642	5.641	0.001
100	B34_Unbiased	5.715	5.633	0.082
100	B35_Unbiased	5.640	5.642	-0.002
100	C32_Unbiased	5.538	5.559	-0.021
100	C33_Unbiased	5.585	5.591	-0.006
100	C34_Unbiased	5.636	5.646	-0.010
100	C35_Unbiased	5.540	5.558	-0.018
100	C36_Unbiased	5.537	5.560	-0.023
100	C37_Unbiased	5.596	5.622	-0.026
100	C38_Unbiased	5.618	5.634	-0.016
	Max	5.731	5.746	0.085
	Average	5.629	5.624	-0.016
	Min	5.512	5.512	-0.150
	Std Dev	0.041	0.047	0.035

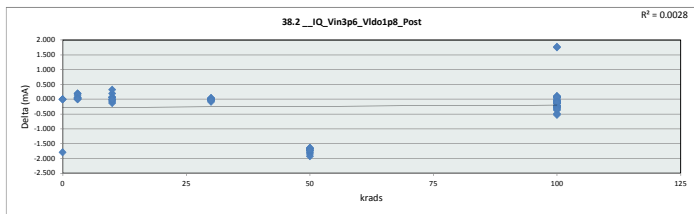


38.1_IDD_Vinp3p6_Vido2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.512	5.539	5.541	5.567	5.678	5.555
Average	5.572	5.602	5.607	5.620	5.714	5.620
Max	5.618	5.648	5.650	5.646	5.746	5.670
UL	6.000	6.000	6.000	6.000	6.000	6.000

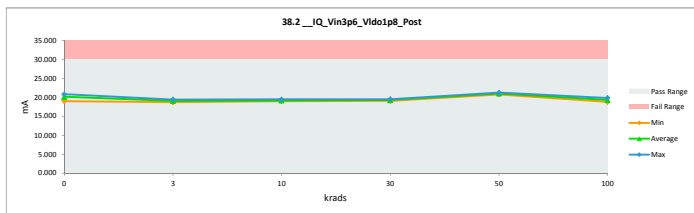


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38.2 IQ_Vin3p6_VIdo1p8_Pos				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	19.490	19.490	0.000
3	A79_Biased	19.267	19.209	0.058
3	A80_Biased	19.259	19.070	0.189
3	B1_Biased	19.457	19.442	0.015
3	B2_Biased	18.760	18.713	0.047
3	C1_Biased	18.760	18.763	-0.003
3	A82_Unbiased	19.549	19.356	0.193
3	A83_Unbiased	19.463	19.326	0.137
3	B4_Unbiased	18.806	18.771	0.035
3	B5_Unbiased	19.125	19.094	0.031
3	C2_Unbiased	19.164	19.165	-0.001
10	A85_Biased	19.655	19.468	0.187
10	A86_Biased	19.130	19.008	0.317
10	B6_Biased	19.250	19.292	-0.042
10	C3_Biased	19.309	19.441	-0.132
10	C4_Biased	19.015	19.103	-0.088
10	A87_Unbiased	19.130	19.059	0.071
10	A88_Unbiased	19.363	19.304	0.059
10	B7_Unbiased	19.124	19.072	0.052
10	C5_Unbiased	19.060	19.063	-0.003
10	C6_Unbiased	19.160	19.181	-0.021
0	106_Corr	19.003	20.802	-1.799
30	A89_Biased	19.118	19.096	0.022
30	B8_Biased	19.253	19.287	-0.034
30	B9_Biased	19.554	19.512	0.042
30	C7_Biased	19.021	19.051	-0.030
30	C9_Biased	19.126	19.138	-0.012
30	A90_Unbiased	19.424	19.410	0.014
30	B10_Unbiased	19.536	19.537	-0.001
30	B11_Unbiased	19.368	19.338	0.030
30	C11_Unbiased	19.206	19.293	-0.087
30	C12_Unbiased	19.264	19.308	-0.044
0	106_Corr	20.840	20.840	0.000
0	158_Corr	20.597	20.597	0.000
50	A92_Biased	19.419	21.097	-1.678
50	A93_Biased	19.103	20.772	-1.669
50	B12_Biased	19.525	21.233	-1.708
50	B13_Biased	19.104	20.958	-1.854
50	C14_Biased	19.149	20.945	-1.796
50	A95_Unbiased	19.418	21.072	-1.654
50	A96_Unbiased	19.254	20.998	-1.744
50	B15_Unbiased	19.345	20.988	-1.643
50	B16_Unbiased	19.469	21.218	-1.749
50	C15_Unbiased	19.083	21.016	-1.933
0	106_Corr	19.003	20.802	-1.799
100	A97_Biased	19.425	19.549	-0.124
100	A99_Biased	19.196	19.296	-0.100
100	A100_Biased	19.523	19.798	-0.275
100	A101_Biased	19.324	19.424	-0.100
100	A102_Biased	19.333	19.399	-0.066
100	A104_Biased	18.849	19.380	-0.531
100	A105_Biased	19.073	19.308	-0.235
100	B17_Biased	19.297	19.539	-0.242
100	B18_Biased	19.257	19.383	-0.126
100	B19_Biased	19.283	19.542	-0.259
100	B20_Biased	19.211	19.271	-0.060
100	B21_Biased	19.457	19.563	-0.106
100	B24_Biased	19.109	19.123	-0.014
100	B25_Biased	19.130	19.096	0.034
100	B26_Biased	19.145	19.052	0.093
100	C16_Biased	19.084	19.215	-0.131
100	C17_Biased	19.314	19.538	-0.224
100	C18_Biased	18.942	19.196	-0.254
100	C19_Biased	18.998	19.371	-0.373
100	C25_Biased	19.360	19.448	-0.088
100	C26_Biased	18.933	19.428	-0.495
100	C31_Biased	19.278	19.347	-0.074
100	A107_Unbiased	19.450	19.582	-0.132
100	A108_Unbiased	19.747	19.861	-0.114
100	A109_Unbiased	18.882	18.794	0.088
100	A110_Unbiased	19.094	19.341	-0.247
100	A111_Unbiased	19.216	19.375	-0.159
100	A112_Unbiased	19.258	19.520	-0.262
100	A113_Unbiased	19.303	19.457	-0.154
100	B27_Unbiased	18.948	18.842	0.106
100	B29_Unbiased	19.223	19.161	0.062
100	B30_Unbiased	19.448	19.572	-0.076
100	B31_Unbiased	19.249	19.313	-0.064
100	B32_Unbiased	21.241	19.491	1.750
100	B33_Unbiased	19.401	19.339	0.062
100	B34_Unbiased	21.065	19.293	1.772
100	B35_Unbiased	19.346	19.302	0.044
100	C32_Unbiased	19.135	19.371	-0.236
100	C33_Unbiased	19.242	19.334	-0.092
100	C34_Unbiased	19.346	19.459	-0.113
100	C35_Unbiased	18.975	19.240	-0.265
100	C36_Unbiased	18.929	19.248	-0.319
100	C37_Unbiased	19.219	19.557	-0.338
100	C38_Unbiased	19.223	19.321	-0.098
	Max	21.241	21.233	1.772
	Average	19.305	19.536	-0.232
	Min	18.760	18.713	-1.933
	Std Dev	0.410	0.632	0.650

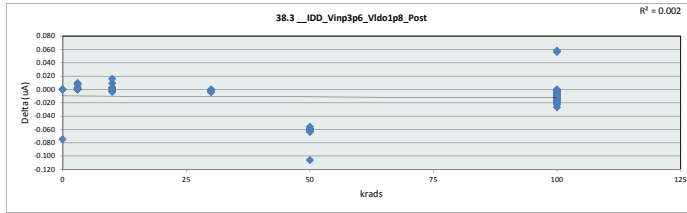


38.2 IQ_Vin3p6_VIdo1p8_Pos						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	19.003	18.713	19.008	19.051	20.772	18.794
Average	20.146	19.091	19.199	19.297	21.030	19.360
Max	20.840	19.442	19.468	19.537	21.233	19.861
UL	30.000	30.000	30.000	30.000	30.000	30.000

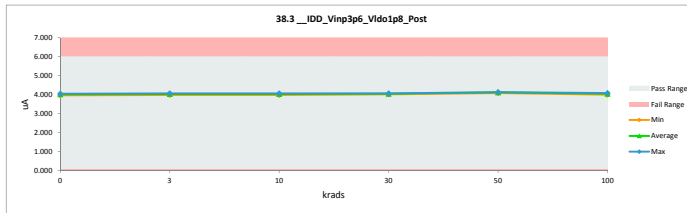


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38.3 IDD_Vinp3p6_Vido1p8_P				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.972	3.972	0.000
3	A79_Biased	4.052	4.049	0.003
3	A80_Biased	4.061	4.052	0.009
3	B1_Biased	4.057	4.057	0.000
3	B2_Biased	3.987	3.986	0.001
3	C1_Biased	3.981	3.981	0.000
3	A82_Unbiased	4.055	4.046	0.009
3	A83_Unbiased	4.067	4.060	0.007
3	B4_Unbiased	3.998	3.998	0.000
3	B5_Unbiased	4.030	4.029	0.001
3	C2_Unbiased	4.010	4.010	0.000
10	A85_Biased	4.062	4.053	0.009
10	A86_Biased	4.041	4.025	0.016
10	B6_Biased	4.047	4.050	-0.003
10	C3_Biased	4.057	4.061	-0.004
10	C4_Biased	3.980	3.983	-0.003
10	A87_Unbiased	4.050	4.048	0.002
10	A88_Unbiased	4.027	4.024	0.003
10	B7_Unbiased	4.034	4.031	0.003
10	C5_Unbiased	4.005	4.006	-0.001
10	C6_Unbiased	4.026	4.026	0.000
0	106_Corr	3.962	3.962	0.000
30	A89_Biased	4.047	4.048	-0.001
30	B8_Biased	4.053	4.054	-0.001
30	B9_Biased	4.053	4.053	0.000
30	C7_Biased	3.999	4.002	-0.003
30	C9_Biased	4.034	4.037	-0.002
30	A90_Unbiased	4.059	4.060	-0.001
30	B10_Unbiased	4.050	4.052	-0.002
30	B11_Unbiased	4.054	4.055	-0.001
30	C11_Unbiased	4.023	4.023	0.000
30	C12_Unbiased	4.014	4.018	-0.004
0	106_Corr	4.034	4.034	0.000
0	15B_Corr	4.016	4.016	0.000
50	A92_Biased	4.052	4.111	-0.059
50	A93_Biased	4.020	4.080	-0.060
50	B12_Biased	4.057	4.118	-0.061
50	B13_Biased	4.064	4.126	-0.062
50	C14_Biased	4.017	4.079	-0.062
50	A95_Unbiased	4.072	4.128	-0.056
50	A96_Unbiased	4.037	4.097	-0.060
50	B15_Unbiased	4.053	4.112	-0.059
50	B16_Unbiased	4.048	4.112	-0.064
50	C15_Unbiased	3.982	4.088	-0.106
0	106_Corr	3.962	4.037	-0.075
100	A97_Biased	4.067	4.076	-0.009
100	A99_Biased	4.025	4.037	-0.012
100	A100_Biased	4.047	4.065	-0.018
100	A101_Biased	4.034	4.046	-0.012
100	A102_Biased	4.030	4.033	-0.003
100	A104_Biased	4.015	4.042	-0.027
100	A105_Biased	4.039	4.057	-0.018
100	B17_Biased	4.032	4.045	-0.013
100	B18_Biased	4.029	4.039	-0.010
100	B19_Biased	4.060	4.076	-0.016
100	B20_Biased	4.047	4.055	-0.008
100	B21_Biased	4.056	4.066	-0.010
100	B24_Biased	4.038	4.045	-0.007
100	B25_Biased	4.015	4.016	-0.001
100	B26_Biased	4.007	4.009	-0.002
100	C16_Biased	3.981	3.993	-0.012
100	C17_Biased	4.027	4.043	-0.016
100	C18_Biased	4.014	4.025	-0.011
100	C19_Biased	4.024	4.044	-0.020
100	C25_Biased	4.014	4.020	-0.006
100	C26_Biased	3.989	4.012	-0.023
100	C31_Biased	4.015	4.023	-0.008
100	A107_Unbiased	4.031	4.042	-0.011
100	A108_Unbiased	4.061	4.068	-0.007
100	A109_Unbiased	4.007	4.007	0.000
100	A110_Unbiased	4.042	4.055	-0.013
100	A111_Unbiased	4.054	4.051	-0.011
100	A112_Unbiased	4.050	4.064	-0.014
100	A113_Unbiased	4.042	4.056	-0.014
100	B27_Unbiased	4.009	4.010	-0.001
100	B29_Unbiased	4.047	4.048	-0.001
100	B30_Unbiased	4.054	4.057	-0.003
100	B31_Unbiased	4.051	4.053	-0.002
100	B32_Unbiased	4.115	4.059	0.056
100	B33_Unbiased	4.055	4.057	-0.002
100	B34_Unbiased	4.056	4.047	0.009
100	B35_Unbiased	4.056	4.058	-0.002
100	C32_Unbiased	3.981	3.996	-0.015
100	C33_Unbiased	4.014	4.019	-0.005
100	C34_Unbiased	4.052	4.059	-0.007
100	C35_Unbiased	3.982	3.998	-0.019
100	C36_Unbiased	3.979	3.998	-0.019
100	C37_Unbiased	4.023	4.043	-0.020
100	C38_Unbiased	4.038	4.048	-0.010
	Max	4.115	4.128	0.058
	Average	4.032	4.043	-0.011
	Min	3.962	3.962	-0.106
	Std Dev	0.030	0.033	0.024

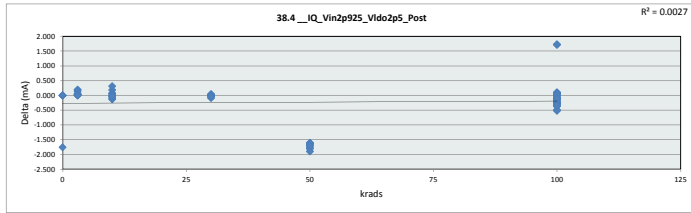


38.3 IDD_Vinp3p6_Vido1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.962	3.981	3.983	4.002	4.079	3.993
Average	4.004	4.027	4.031	4.040	4.105	4.040
Max	4.037	4.060	4.061	4.060	4.128	4.076
UL	6.000	6.000	6.000	6.000	6.000	6.000

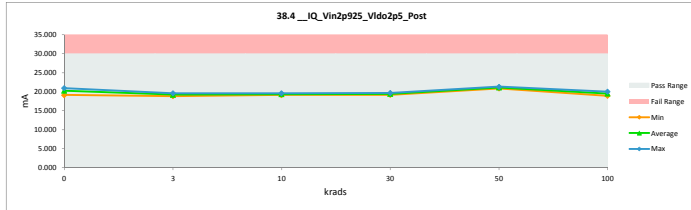


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38.4 IQ_Vin2p925_Vido2p5_P				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	19.623	19.623	0.000
3	A79_Biased	19.412	19.353	0.059
3	A80_Biased	19.397	19.210	0.187
3	B1_Biased	19.603	19.587	0.016
3	B2_Biased	18.900	18.852	0.048
3	C1_Biased	18.895	18.898	-0.003
3	A82_Unbiased	19.692	19.500	0.192
3	A83_Unbiased	19.604	19.469	0.135
3	B4_Unbiased	18.948	18.912	0.036
3	B5_Unbiased	19.270	19.238	0.032
3	C2_Unbiased	19.306	19.307	-0.001
10	A85_Biased	19.803	19.619	0.184
10	A86_Biased	19.465	19.153	0.312
10	B6_Biased	19.397	19.438	-0.041
10	C3_Biased	19.456	19.586	-0.130
10	C4_Biased	19.154	19.242	-0.088
10	A87_Unbiased	19.273	19.200	0.073
10	A88_Unbiased	19.510	19.451	0.059
10	B7_Unbiased	19.269	19.218	0.051
10	C5_Unbiased	19.208	19.209	-0.001
10	C6_Unbiased	19.302	19.322	-0.020
0	106_Corr	19.145	19.145	0.000
30	A89_Biased	19.258	19.235	0.023
30	B8_Biased	19.396	19.431	-0.035
30	B9_Biased	19.700	19.660	0.040
30	C7_Biased	19.165	19.194	-0.029
30	C9_Biased	19.270	19.281	-0.011
30	A90_Unbiased	19.569	19.556	0.013
30	B10_Unbiased	19.683	19.682	0.001
30	B11_Unbiased	19.515	19.485	0.030
30	C11_Unbiased	19.348	19.434	-0.086
30	C12_Unbiased	19.410	19.454	-0.044
0	106_Corr	20.940	20.940	0.000
0	158_Corr	20.701	20.701	0.000
50	A92_Biased	19.563	21.199	-1.636
50	A93_Biased	19.247	20.875	-1.628
50	B12_Biased	19.672	21.334	-1.662
50	B13_Biased	19.244	21.052	-1.808
50	C14_Biased	19.293	21.043	-1.750
50	A95_Unbiased	19.558	21.171	-1.613
50	A96_Unbiased	19.402	21.099	-1.697
50	B15_Unbiased	19.489	21.090	-1.601
50	B16_Unbiased	19.616	21.318	-1.702
50	C15_Unbiased	19.223	21.117	-1.894
0	106_Corr	19.145	20.902	-1.757
100	A97_Biased	19.572	19.695	-0.123
100	A99_Biased	19.342	19.439	-0.097
100	A100_Biased	19.664	19.932	-0.268
100	A101_Biased	19.469	19.567	-0.098
100	A102_Biased	19.482	19.544	-0.062
100	A104_Biased	18.989	19.512	-0.523
100	A105_Biased	19.212	19.447	-0.235
100	B17_Biased	19.444	19.683	-0.239
100	B18_Biased	19.402	19.526	-0.124
100	B19_Biased	19.427	19.685	-0.258
100	B20_Biased	19.353	19.412	-0.059
100	B21_Biased	19.607	19.711	-0.104
100	B24_Biased	19.254	19.263	-0.009
100	B25_Biased	19.273	19.240	0.033
100	B26_Biased	19.291	19.199	0.092
100	C16_Biased	19.223	19.351	-0.128
100	C17_Biased	19.459	19.678	-0.219
100	C18_Biased	19.090	19.342	-0.252
100	C19_Biased	19.140	19.507	-0.367
100	C25_Biased	19.509	19.593	-0.084
100	C26_Biased	19.074	19.563	-0.489
100	C31_Biased	19.416	19.488	-0.072
100	A107_Unbiased	19.596	19.724	-0.128
100	A108_Unbiased	19.897	20.009	-0.112
100	A109_Unbiased	19.017	18.929	0.088
100	A110_Unbiased	19.232	19.475	-0.243
100	A111_Unbiased	19.358	19.512	-0.154
100	A112_Unbiased	19.406	19.663	-0.257
100	A113_Unbiased	19.446	19.598	-0.152
100	B27_Unbiased	19.089	18.983	0.106
100	B29_Unbiased	19.367	19.303	0.064
100	B30_Unbiased	19.594	19.519	0.079
100	B31_Unbiased	19.396	19.464	-0.068
100	B32_Unbiased	21.344	19.634	1.710
100	B33_Unbiased	19.549	19.484	0.065
100	B34_Unbiased	21.167	19.433	1.734
100	B35_Unbiased	19.492	19.448	0.044
100	C32_Unbiased	19.275	19.508	-0.233
100	C33_Unbiased	19.391	19.482	-0.091
100	C34_Unbiased	19.495	19.606	-0.111
100	C35_Unbiased	19.114	19.374	-0.260
100	C36_Unbiased	19.068	19.379	-0.311
100	C37_Unbiased	19.364	19.696	-0.332
100	C38_Unbiased	19.371	19.465	-0.094
	Max	21.344	21.334	1.734
	Average	19.447	19.672	-0.226
	Min	18.895	18.852	-1.894
	Std Dev	0.404	0.618	0.635

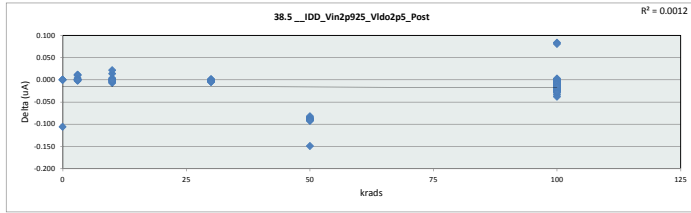


38.4 IQ_Vin2p925_Vido2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	19.145	18.852	19.153	19.194	20.875	18.929
Average	20.262	19.233	19.344	19.441	21.130	19.501
Max	20.940	19.587	19.619	19.682	21.334	20.009
UL	30.000	30.000	30.000	30.000	30.000	30.000

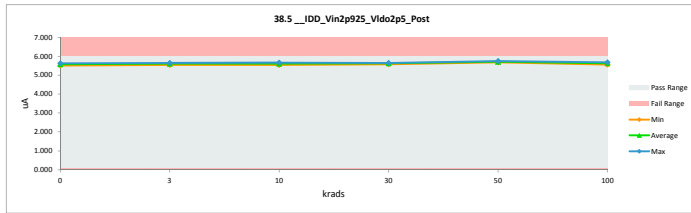


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38.5_IDD_Vin2p925_VIdo2p5				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	5.526	5.526	0.000
3	A79_Biased	5.637	5.633	0.004
3	A80_Biased	5.648	5.637	0.011
3	B1_Biased	5.645	5.645	0.000
3	B2_Biased	5.546	5.545	0.001
3	C1_Biased	5.537	5.539	-0.002
3	A82_Unbiased	5.640	5.628	0.012
3	A83_Unbiased	5.658	5.648	0.010
3	B4_Unbiased	5.562	5.561	0.001
3	B5_Unbiased	5.605	5.604	0.001
3	C2_Unbiased	5.578	5.579	-0.001
10	A85_Biased	5.652	5.638	0.014
10	A86_Biased	5.621	5.609	0.012
10	B6_Biased	5.629	5.633	-0.004
10	C3_Biased	5.643	5.650	-0.007
10	C4_Biased	5.536	5.541	-0.005
10	A87_Unbiased	5.633	5.632	0.001
10	A88_Unbiased	5.603	5.599	0.004
10	B7_Unbiased	5.610	5.608	0.002
10	C5_Unbiased	5.571	5.572	-0.001
10	C6_Unbiased	5.599	5.600	-0.001
0	106_Corr	5.512	5.512	0.000
30	A89_Biased	5.631	5.630	0.001
30	B8_Biased	5.638	5.638	0.000
30	B9_Biased	5.638	5.637	0.001
30	C7_Biased	5.563	5.567	-0.004
30	C9_Biased	5.612	5.613	-0.001
30	A90_Unbiased	5.647	5.646	0.001
30	B10_Unbiased	5.636	5.637	-0.001
30	B11_Unbiased	5.641	5.640	0.001
30	C11_Unbiased	5.591	5.595	-0.004
30	C12_Unbiased	5.582	5.587	-0.005
0	106_Corr	5.616	5.616	0.000
0	15B_Corr	5.589	5.589	0.000
50	A92_Biased	5.637	5.722	-0.085
50	A93_Biased	5.592	5.680	-0.088
50	B12_Biased	5.644	5.731	-0.087
50	B13_Biased	5.654	5.743	-0.089
50	C14_Biased	5.587	5.679	-0.092
50	A95_Unbiased	5.644	5.746	-0.102
50	A96_Unbiased	5.616	5.703	-0.087
50	B15_Unbiased	5.636	5.725	-0.089
50	B16_Unbiased	5.631	5.723	-0.092
50	C15_Unbiased	5.539	5.688	-0.149
0	106_Corr	5.512	5.512	0.000
100	A97_Biased	5.659	5.671	-0.012
100	A99_Biased	5.599	5.614	-0.015
100	A100_Biased	5.632	5.656	-0.024
100	A101_Biased	5.612	5.627	-0.015
100	A102_Biased	5.605	5.609	-0.004
100	A104_Biased	5.586	5.624	-0.038
100	A105_Biased	5.620	5.641	-0.021
100	B17_Biased	5.607	5.629	-0.022
100	B18_Biased	5.605	5.618	-0.013
100	B19_Biased	5.647	5.670	-0.023
100	B20_Biased	5.631	5.639	-0.008
100	B21_Biased	5.642	5.656	-0.014
100	B24_Biased	5.617	5.626	-0.009
100	B25_Biased	5.583	5.586	-0.003
100	B26_Biased	5.575	5.575	0.000
100	C16_Biased	5.538	5.556	-0.018
100	C17_Biased	5.601	5.626	-0.025
100	C18_Biased	5.583	5.600	-0.017
100	C19_Biased	5.596	5.625	-0.029
100	C25_Biased	5.585	5.592	-0.007
100	C26_Biased	5.548	5.582	-0.034
100	C31_Biased	5.585	5.597	-0.012
100	A107_Unbiased	5.608	5.623	-0.015
100	A108_Unbiased	5.650	5.660	-0.010
100	A109_Unbiased	5.574	5.571	0.003
100	A110_Unbiased	5.621	5.639	-0.018
100	A111_Unbiased	5.640	5.654	-0.014
100	A112_Unbiased	5.634	5.651	-0.017
100	A113_Unbiased	5.624	5.642	-0.018
100	B27_Unbiased	5.577	5.578	-0.001
100	B29_Unbiased	5.629	5.629	0.000
100	B30_Unbiased	5.641	5.644	-0.003
100	B31_Unbiased	5.636	5.641	-0.005
100	B32_Unbiased	5.730	5.646	0.084
100	B33_Unbiased	5.640	5.643	-0.003
100	B34_Unbiased	5.715	5.634	0.081
100	B35_Unbiased	5.642	5.644	-0.002
100	C32_Unbiased	5.538	5.558	-0.020
100	C33_Unbiased	5.584	5.591	-0.007
100	C34_Unbiased	5.636	5.645	-0.009
100	C35_Unbiased	5.539	5.601	-0.021
100	C36_Unbiased	5.536	5.563	-0.027
100	C37_Unbiased	5.596	5.623	-0.027
100	C38_Unbiased	5.618	5.634	-0.016
	Max	5.730	5.746	0.084
	Average	5.608	5.624	-0.016
	Min	5.512	5.512	-0.149
	Std Dev	0.041	0.047	0.035

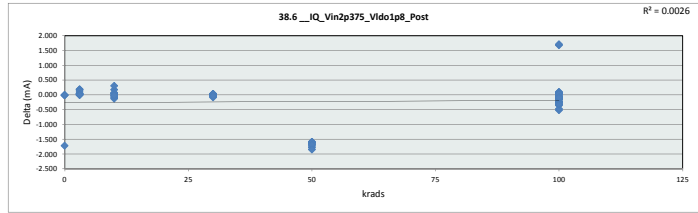


38.5_IDD_Vin2p925_VIdo2p5						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	5.512	5.539	5.541	5.567	5.679	5.556
Average	5.572	5.602	5.607	5.619	5.714	5.620
Max	5.618	5.648	5.650	5.646	5.746	5.671
UL	6.000	6.000	6.000	6.000	6.000	6.000

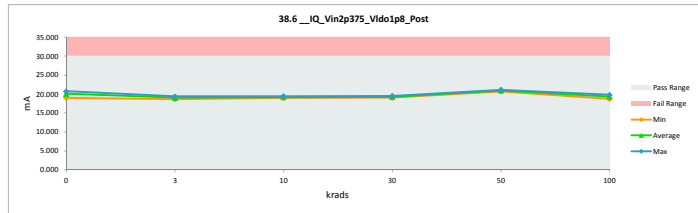


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38.6_IQ_Vin2p375_Vido1p8_P				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	30	30		
Min Limit	0.1	0.1		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	19.445	19.445	0.000
3	A79_Biased	19.240	19.181	0.059
3	A80_Biased	19.225	19.039	0.186
3	B1_Biased	19.421	19.407	0.014
3	B2_Biased	18.730	18.682	0.048
3	C1_Biased	18.734	18.734	0.000
3	A82_Unbiased	19.521	19.330	0.191
3	A83_Unbiased	19.433	19.299	0.134
3	B4_Unbiased	18.774	18.739	0.035
3	B5_Unbiased	19.094	19.063	0.031
3	C2_Unbiased	19.151	19.149	0.002
10	A85_Biased	19.623	19.441	0.182
10	A86_Biased	19.287	18.980	0.307
10	B6_Biased	19.234	19.273	-0.039
10	C3_Biased	19.285	19.406	-0.121
10	C4_Biased	18.994	19.078	-0.084
10	A87_Unbiased	19.102	19.031	0.071
10	A88_Unbiased	19.335	19.276	0.059
10	B7_Unbiased	19.093	19.041	0.052
10	C5_Unbiased	19.047	19.039	0.008
10	C6_Unbiased	19.154	19.172	-0.018
0	106_Corr	18.994	18.994	0.000
30	A89_Biased	19.091	19.068	0.023
30	B8_Biased	19.229	19.253	-0.024
30	B9_Biased	19.522	19.483	0.039
30	C7_Biased	19.013	19.046	-0.033
30	C9_Biased	19.120	19.132	-0.012
30	A90_Unbiased	19.394	19.382	0.012
30	B10_Unbiased	19.503	19.504	-0.001
30	B11_Unbiased	19.344	19.307	0.037
30	C11_Unbiased	19.180	19.265	-0.085
30	C12_Unbiased	19.246	19.288	-0.042
0	106_Corr	20.743	20.743	0.000
0	158_Corr	20.510	20.510	0.000
50	A92_Biased	19.386	20.999	-1.613
50	A93_Biased	19.072	20.678	-1.606
50	B12_Biased	19.493	21.133	-1.640
50	B13_Biased	19.067	20.849	-1.782
50	C14_Biased	19.125	20.848	-1.723
50	A95_Unbiased	19.386	20.972	-1.586
50	A96_Unbiased	19.222	20.897	-1.675
50	B15_Unbiased	19.312	20.891	-1.579
50	B16_Unbiased	19.436	21.115	-1.679
50	C15_Unbiased	19.073	20.919	-1.846
0	106_Corr	18.994	20.707	-1.713
100	A97_Biased	19.398	19.520	-0.122
100	A99_Biased	19.170	19.264	-0.094
100	A100_Biased	19.492	19.759	-0.267
100	A101_Biased	19.293	19.390	-0.097
100	A102_Biased	19.303	19.368	-0.065
100	A104_Biased	18.821	19.337	-0.516
100	A105_Biased	19.044	19.276	-0.232
100	B17_Biased	19.268	19.506	-0.238
100	B18_Biased	19.229	19.350	-0.121
100	B19_Biased	19.249	19.505	-0.256
100	B20_Biased	19.176	19.238	-0.062
100	B21_Biased	19.429	19.530	-0.101
100	B24_Biased	19.080	19.091	-0.011
100	B25_Biased	19.098	19.067	0.031
100	B26_Biased	19.114	19.025	0.089
100	C16_Biased	19.079	19.205	-0.126
100	C17_Biased	19.302	19.515	-0.213
100	C18_Biased	18.914	19.164	-0.250
100	C19_Biased	18.986	19.341	-0.355
100	C25_Biased	19.338	19.421	-0.083
100	C26_Biased	18.934	19.405	-0.471
100	C31_Biased	19.269	19.342	-0.073
100	A107_Unbiased	19.422	19.549	-0.127
100	A108_Unbiased	19.714	19.825	-0.111
100	A109_Unbiased	18.849	18.766	0.083
100	A110_Unbiased	19.066	19.309	-0.243
100	A111_Unbiased	19.187	19.338	-0.151
100	A112_Unbiased	19.231	19.485	-0.254
100	A113_Unbiased	19.272	19.424	-0.152
100	B27_Unbiased	18.915	18.808	0.107
100	B29_Unbiased	19.188	19.137	0.051
100	B30_Unbiased	19.415	19.376	0.038
100	B31_Unbiased	19.227	19.284	-0.057
100	B32_Unbiased	21.139	19.456	1.683
100	B33_Unbiased	19.370	19.310	0.060
100	B34_Unbiased	20.966	19.257	1.709
100	B35_Unbiased	19.312	19.270	0.042
100	C32_Unbiased	19.111	19.341	-0.230
100	C33_Unbiased	19.216	19.310	-0.094
100	C34_Unbiased	19.321	19.426	-0.105
100	C35_Unbiased	18.969	19.218	-0.249
100	C36_Unbiased	18.904	19.215	-0.311
100	C37_Unbiased	19.215	19.533	-0.318
100	C38_Unbiased	19.202	19.292	-0.090
	Max	21.139	21.133	1.709
	Average	19.276	19.498	-0.222
	Min	18.730	18.682	-1.846
	Std Dev	0.396	0.608	0.624

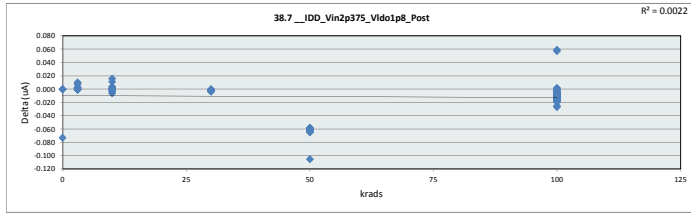


38.6_IQ_Vin2p375_Vido1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	30	mA				
Min Limit	0.1	mA				
Krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	18.994	18.682	18.980	19.046	20.678	18.766
Average	20.080	19.062	19.174	19.273	20.930	19.330
Max	20.743	19.407	19.441	19.504	21.133	19.825
UL	30.000	30.000	30.000	30.000	30.000	30.000

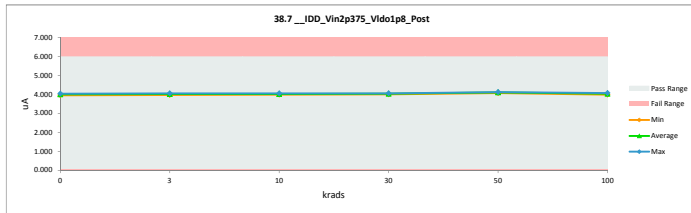


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38.7_IDD_Vin2p375_Vido1p8				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	6	6		
Min Limit	0.1	0.1		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	3.972	3.972	0.000
3	A79_Biased	4.053	4.050	0.003
3	A80_Biased	4.060	4.051	0.009
3	B1_Biased	4.057	4.057	0.000
3	B2_Biased	3.987	3.985	0.002
3	C1_Biased	3.981	3.982	-0.001
3	A82_Unbiased	4.054	4.044	0.010
3	A83_Unbiased	4.067	4.060	0.007
3	B4_Unbiased	3.999	3.998	0.001
3	B5_Unbiased	4.030	4.028	0.002
3	C2_Unbiased	4.009	4.010	-0.001
10	A85_Biased	4.063	4.052	0.011
10	A86_Biased	4.040	4.024	0.016
10	B6_Biased	4.046	4.048	-0.002
10	C3_Biased	4.055	4.061	-0.006
10	C4_Biased	3.980	3.984	-0.004
10	A87_Unbiased	4.049	4.048	0.001
10	A88_Unbiased	4.028	4.024	0.004
10	B7_Unbiased	4.033	4.031	0.002
10	C5_Unbiased	4.006	4.006	0.000
10	C6_Unbiased	4.026	4.026	0.000
0	106_Corr	3.962	3.962	0.000
30	A89_Biased	4.046	4.047	-0.001
30	B8_Biased	4.053	4.054	-0.001
30	B9_Biased	4.052	4.053	-0.001
30	C7_Biased	3.999	4.003	-0.004
30	C9_Biased	4.034	4.036	-0.002
30	A90_Unbiased	4.058	4.059	-0.001
30	B10_Unbiased	4.051	4.052	-0.001
30	B11_Unbiased	4.055	4.055	0.000
30	C11_Unbiased	4.022	4.023	-0.001
30	C12_Unbiased	4.014	4.017	-0.003
0	106_Corr	4.034	4.034	0.000
0	15B_Corr	4.016	4.016	0.000
50	A92_Biased	4.053	4.111	-0.058
50	A93_Biased	4.020	4.080	-0.060
50	B12_Biased	4.057	4.119	-0.062
50	B13_Biased	4.063	4.126	-0.063
50	C14_Biased	4.015	4.079	-0.064
50	A95_Unbiased	4.071	4.129	-0.058
50	A96_Unbiased	4.037	4.097	-0.060
50	B15_Unbiased	4.053	4.113	-0.060
50	B16_Unbiased	4.047	4.112	-0.065
50	C15_Unbiased	3.981	4.086	-0.105
0	106_Corr	3.962	4.035	-0.073
100	A97_Biased	4.067	4.075	-0.008
100	A99_Biased	4.025	4.038	-0.013
100	A100_Biased	4.047	4.065	-0.018
100	A101_Biased	4.034	4.044	-0.010
100	A102_Biased	4.029	4.034	-0.005
100	A104_Biased	4.015	4.042	-0.027
100	A105_Biased	4.039	4.056	-0.017
100	B17_Biased	4.030	4.045	-0.015
100	B18_Biased	4.029	4.038	-0.009
100	B19_Biased	4.060	4.076	-0.016
100	B20_Biased	4.047	4.052	-0.005
100	B21_Biased	4.055	4.068	-0.013
100	B24_Biased	4.037	4.044	-0.007
100	B25_Biased	4.013	4.016	-0.003
100	B26_Biased	4.007	4.008	-0.001
100	C16_Biased	3.981	3.992	-0.011
100	C17_Biased	4.027	4.044	-0.017
100	C18_Biased	4.013	4.026	-0.013
100	C19_Biased	4.023	4.042	-0.019
100	C25_Biased	4.013	4.020	-0.007
100	C26_Biased	3.989	4.014	-0.025
100	C31_Biased	4.015	4.024	-0.009
100	A107_Unbiased	4.031	4.043	-0.012
100	A108_Unbiased	4.062	4.069	-0.007
100	A109_Unbiased	4.007	4.005	0.002
100	A110_Unbiased	4.042	4.055	-0.013
100	A111_Unbiased	4.054	4.066	-0.012
100	A112_Unbiased	4.049	4.064	-0.015
100	A113_Unbiased	4.044	4.055	-0.011
100	B27_Unbiased	4.010	4.012	-0.002
100	B29_Unbiased	4.047	4.049	-0.002
100	B30_Unbiased	4.054	4.056	-0.002
100	B31_Unbiased	4.052	4.052	0.000
100	B32_Unbiased	4.115	4.056	0.059
100	B33_Unbiased	4.054	4.054	0.000
100	B34_Unbiased	4.056	4.048	0.007
100	B35_Unbiased	4.055	4.056	-0.001
100	C32_Unbiased	3.981	3.996	-0.015
100	C33_Unbiased	4.014	4.022	-0.008
100	C34_Unbiased	4.051	4.058	-0.007
100	C35_Unbiased	3.981	3.995	-0.014
100	C36_Unbiased	3.980	3.998	-0.018
100	C37_Unbiased	4.023	4.041	-0.018
100	C38_Unbiased	4.038	4.048	-0.010
	Max	4.115	4.129	0.059
	Average	4.031	4.043	-0.011
	Min	3.962	3.962	-0.105
	Std Dev	0.029	0.033	0.024

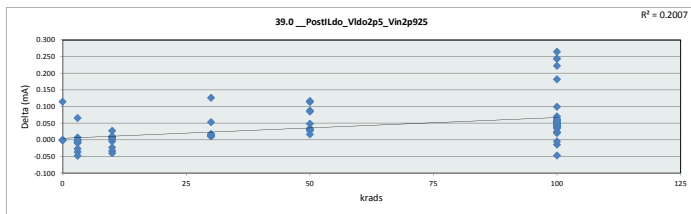


38.7_IDD_Vin2p375_Vido1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6	uA				
Min Limit	0.1	uA				
krads	0	3	10	30	50	100
LL	0.100	0.100	0.100	0.100	0.100	0.100
Min	3.962	3.982	3.984	4.003	4.079	3.992
Average	4.004	4.027	4.030	4.040	4.105	4.040
Max	4.035	4.060	4.061	4.059	4.129	4.076
UL	6.000	6.000	6.000	6.000	6.000	6.000

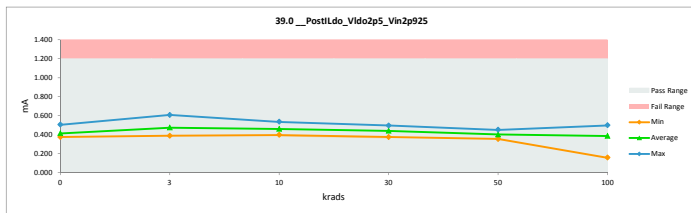


TID 100krad LDR Report
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39.0 Post1Ldo_Vldo2p5_Vin2p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.409	0.409	0.000
3	A79_Biased	0.518	0.526	-0.008
3	A80_Unbiased	0.379	0.388	-0.009
3	B1_Biased	0.437	0.430	0.007
3	B2_Biased	0.530	0.464	0.066
3	C1_Biased	0.430	0.430	0.000
3	A82_Unbiased	0.447	0.483	-0.036
3	A83_Unbiased	0.445	0.471	-0.026
3	B4_Unbiased	0.560	0.607	-0.047
3	B5_Unbiased	0.497	0.500	-0.003
3	C2_Unbiased	0.440	0.441	-0.001
10	A85_Biased	0.392	0.396	-0.004
10	A86_Biased	0.418	0.453	-0.033
10	B6_Biased	0.453	0.493	-0.040
10	C3_Biased	0.438	0.427	0.011
10	C4_Biased	0.445	0.437	0.008
10	A87_Unbiased	0.500	0.522	-0.022
10	A88_Unbiased	0.537	0.535	0.002
10	B7_Unbiased	0.453	0.449	0.004
10	C5_Unbiased	0.500	0.472	0.028
10	C6_Unbiased	0.432	0.424	0.008
0	106_Corr	0.544	0.544	0.000
30	A89_Biased	0.441	0.429	0.012
30	B8_Biased	0.501	0.447	0.054
30	B9_Biased	0.511	0.496	0.015
30	C7_Biased	0.586	0.459	0.127
30	C9_Biased	0.441	0.428	0.016
30	A90_Unbiased	0.386	0.375	0.011
30	B10_Unbiased	0.428	0.417	0.011
30	B11_Unbiased	0.482	0.470	0.012
30	C11_Unbiased	0.437	0.421	0.016
30	C12_Unbiased	0.478	0.460	0.018
0	106_Corr	0.391	0.391	0.000
0	15B_Corr	0.374	0.374	0.000
50	A92_Biased	0.498	0.410	0.088
50	A93_Biased	0.454	0.450	0.005
50	B12_Biased	0.507	0.422	0.085
50	B13_Biased	0.553	0.436	0.117
50	C14_Biased	0.423	0.393	0.030
50	A95_Unbiased	0.371	0.354	0.017
50	A96_Unbiased	0.446	0.417	0.029
50	B15_Unbiased	0.425	0.376	0.049
50	B16_Unbiased	0.414	0.384	0.030
50	C15_Unbiased	0.409	0.375	0.034
0	106_Corr	0.384	0.389	-0.115
100	A97_Biased	0.371	0.334	0.037
100	A99_Biased	0.521	0.469	0.052
100	A100_Biased	0.413	0.364	0.049
100	A101_Biased	0.455	0.430	0.025
100	A102_Biased	0.468	0.286	0.182
100	A104_Biased	0.505	0.467	0.038
100	A105_Biased	0.416	0.369	0.047
100	B17_Biased	0.517	0.446	0.071
100	B18_Biased	0.427	0.441	-0.014
100	B19_Biased	0.401	0.356	0.045
100	B20_Biased	0.532	0.287	0.245
100	B21_Biased	0.468	0.416	0.052
100	B24_Biased	0.545	0.497	0.048
100	B25_Biased	0.508	0.285	0.223
100	B26_Biased	0.532	0.487	0.045
100	C16_Biased	0.409	0.364	0.045
100	C17_Biased	0.431	0.374	0.057
100	C18_Biased	0.442	0.392	0.050
100	C19_Biased	0.426	0.365	0.061
100	C25_Biased	0.493	0.439	0.054
100	C26_Biased	0.384	0.336	0.048
100	C31_Biased	0.448	0.401	0.047
100	A107_Unbiased	0.513	0.451	0.062
100	A108_Unbiased	0.373	0.334	0.039
100	A109_Unbiased	0.401	0.157	0.244
100	A110_Unbiased	0.414	0.371	0.043
100	A111_Unbiased	0.458	0.423	0.035
100	A112_Unbiased	0.394	0.351	0.043
100	A113_Unbiased	0.532	0.470	0.062
100	B27_Unbiased	0.450	0.429	0.021
100	B29_Unbiased	0.537	0.437	0.100
100	B30_Unbiased	0.471	0.427	0.044
100	B31_Unbiased	0.456	0.191	0.265
100	B32_Unbiased	0.395	0.441	-0.046
100	B33_Unbiased	0.507	0.470	0.037
100	B34_Unbiased	0.328	0.332	-0.004
100	B35_Unbiased	0.443	0.404	0.039
100	C32_Unbiased	0.420	0.373	0.047
100	C33_Unbiased	0.471	0.431	0.040
100	C34_Unbiased	0.445	0.396	0.049
100	C35_Unbiased	0.469	0.415	0.054
100	C36_Unbiased	0.405	0.359	0.046
100	C37_Unbiased	0.399	0.349	0.050
100	C38_Unbiased	0.461	0.403	0.058
	Max	0.586	0.607	0.265
	Average	0.456	0.414	0.042
	Min	0.328	0.157	-0.047
	Std Dev	0.054	0.067	0.059

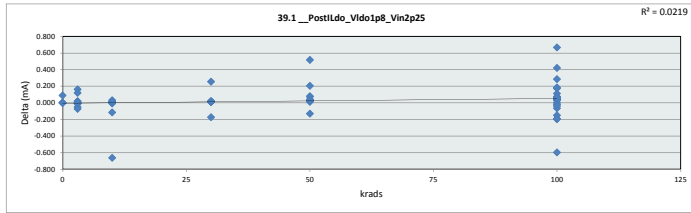


39.0 Post1Ldo_Vldo2p5_Vin2p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.374	0.388	0.396	0.375	0.354	0.157
Average	0.413	0.474	0.461	0.440	0.402	0.387
Max	0.504	0.607	0.535	0.496	0.450	0.497
UL	1.200	1.200	1.200	1.200	1.200	1.200

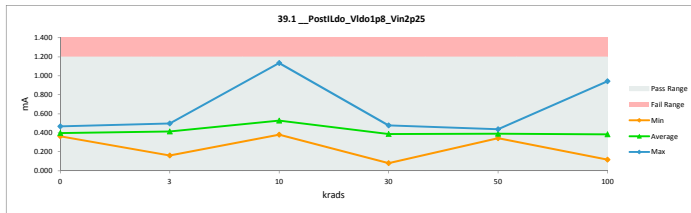


TID 100krad LDR Report
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39.1 PostI Ldo_Vldo1p8_Vin2p				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.395	0.395	0.000
3	A79_Biased	0.524	0.362	0.162
3	A80_Biased	0.364	0.373	-0.009
3	B1_Biased	0.419	0.469	-0.050
3	B2_Biased	0.510	0.489	0.021
3	C1_Biased	0.413	0.413	0.000
3	A82_Unbiased	0.476	0.459	0.017
3	A83_Unbiased	0.282	0.161	0.121
3	B4_Unbiased	0.425	0.499	-0.074
3	B5_Unbiased	0.479	0.482	-0.003
3	C2_Unbiased	0.421	0.422	-0.001
10	A85_Biased	0.379	0.380	-0.001
10	A86_Biased	0.477	0.483	-0.006
10	B6_Biased	0.361	0.477	-0.116
10	C3_Biased	0.421	0.410	0.011
10	C4_Biased	0.427	0.419	0.008
10	A87_Unbiased	0.534	0.501	0.033
10	A88_Unbiased	0.649	0.642	0.007
10	B7_Unbiased	0.436	0.434	0.002
10	C5_Unbiased	0.473	1.135	-0.662
10	C6_Unbiased	0.414	0.405	0.009
0	106_Corr	0.467	0.467	0.000
30	A89_Biased	0.425	0.414	0.011
30	B8_Biased	0.335	0.080	0.255
30	B9_Biased	0.306	0.477	-0.171
30	C7_Biased	0.455	0.440	0.015
30	C9_Biased	0.422	0.407	0.015
30	A90_Unbiased	0.370	0.359	0.011
30	B10_Unbiased	0.410	0.399	0.011
30	B11_Unbiased	0.463	0.449	0.014
30	C11_Unbiased	0.419	0.404	0.015
30	C12_Unbiased	0.458	0.440	0.018
0	106_Corr	0.379	0.379	0.000
0	15B_Corr	0.363	0.363	0.000
50	A92_Biased	0.477	0.398	0.079
50	A93_Biased	0.455	0.398	0.057
50	B12_Biased	0.486	0.410	0.076
50	B13_Biased	0.626	0.423	0.203
50	C14_Biased	0.404	0.381	0.023
50	A95_Unbiased	0.354	0.343	0.013
50	A96_Unbiased	0.275	0.405	-0.130
50	B15_Unbiased	0.407	0.364	0.043
50	B16_Unbiased	0.397	0.373	0.024
50	C15_Unbiased	0.393	0.363	0.030
0	106_Corr	0.467	0.467	0.000
100	A97_Biased	0.355	0.321	0.034
100	A99_Biased	0.563	0.450	0.113
100	A100_Biased	0.396	0.349	0.047
100	A101_Biased	0.266	0.415	-0.149
100	A102_Biased	0.450	0.275	0.175
100	A104_Biased	1.115	0.449	0.666
100	A105_Biased	0.400	0.356	0.044
100	B17_Biased	0.503	0.429	0.074
100	B18_Biased	0.229	0.425	-0.196
100	B19_Biased	0.384	0.343	0.041
100	B20_Biased	0.149	0.117	0.032
100	B21_Biased	0.449	0.400	0.049
100	B24_Biased	0.525	0.478	0.047
100	B25_Biased	0.346	0.944	-0.598
100	B26_Biased	0.510	0.469	0.041
100	C16_Biased	0.393	0.351	0.042
100	C17_Biased	0.413	0.358	0.055
100	C18_Biased	0.426	0.378	0.048
100	C19_Biased	0.410	0.352	0.058
100	C25_Biased	0.472	0.421	0.051
100	C26_Biased	0.370	0.324	0.046
100	C31_Biased	0.428	0.383	0.045
100	A107_Unbiased	0.493	0.435	0.058
100	A108_Unbiased	0.359	0.322	0.037
100	A109_Unbiased	0.186	0.250	-0.064
100	A110_Unbiased	0.397	0.357	0.040
100	A111_Unbiased	0.215	0.406	-0.191
100	A112_Unbiased	0.379	0.338	0.041
100	A113_Unbiased	0.510	0.451	0.059
100	B27_Unbiased	0.598	0.413	0.185
100	B29_Unbiased	0.399	0.419	-0.020
100	B30_Unbiased	0.452	0.408	0.044
100	B31_Unbiased	0.423	0.139	0.284
100	B32_Unbiased	0.383	0.421	-0.038
100	B33_Unbiased	0.520	0.449	0.071
100	B34_Unbiased	0.317	0.318	-0.001
100	B35_Unbiased	0.425	0.388	0.037
100	C32_Unbiased	0.404	0.359	0.045
100	C33_Unbiased	0.833	0.414	0.419
100	C34_Unbiased	0.428	0.382	0.046
100	C35_Unbiased	0.449	0.449	0.000
100	C36_Unbiased	0.390	0.346	0.044
100	C37_Unbiased	0.383	0.337	0.046
100	C38_Unbiased	0.444	0.387	0.057
	Max	1.115	1.135	0.666
	Average	0.435	0.405	0.030
	Min	0.149	0.080	-0.662
	Std Dev	0.132	0.126	0.157

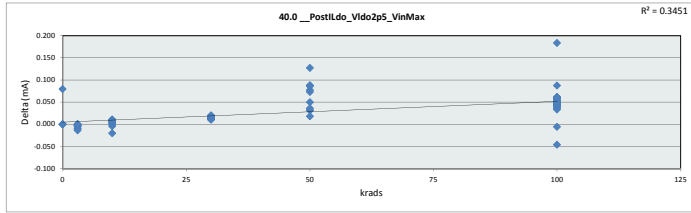


39.1 PostI Ldo_Vldo1p8_Vin2p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.363	0.161	0.380	0.080	0.343	0.117
Average	0.396	0.413	0.529	0.387	0.390	0.385
Max	0.467	0.499	1.135	0.477	0.438	0.944
UL	1.200	1.200	1.200	1.200	1.200	1.200

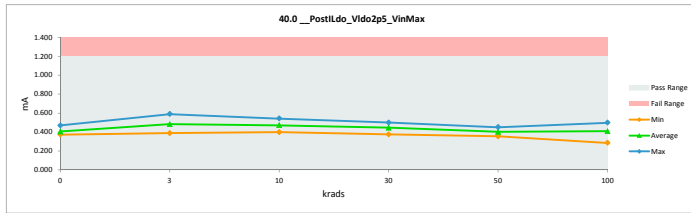


TID 100krad LDR Report
TPS7H3301-SP

40.0 Post1Ldo_Vido2p5_VinMa				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.410	0.410	0.000
3	A79_Biased	0.540	0.546	-0.006
3	A80_Biased	0.380	0.389	-0.009
3	B1_Biased	0.438	0.440	-0.002
3	B2_Biased	0.531	0.535	-0.004
3	C1_Biased	0.430	0.431	-0.001
3	A82_Unbiased	0.465	0.479	-0.014
3	A83_Unbiased	0.468	0.479	-0.011
3	B4_Unbiased	0.587	0.590	-0.003
3	B5_Unbiased	0.499	0.502	-0.003
3	C2_Unbiased	0.442	0.441	0.001
10	A85_Biased	0.394	0.398	-0.004
10	A86_Biased	0.475	0.495	-0.020
10	B6_Biased	0.531	0.521	0.010
10	C3_Biased	0.440	0.429	0.011
10	C4_Biased	0.446	0.437	0.009
10	A87_Unbiased	0.528	0.524	0.004
10	A88_Unbiased	0.542	0.543	-0.001
10	B7_Unbiased	0.454	0.452	0.002
10	C5_Unbiased	0.491	0.485	0.006
10	C6_Unbiased	0.432	0.425	0.007
0	106_Corr	0.469	0.469	0.000
30	A89_Biased	0.442	0.431	0.011
30	B8_Biased	0.511	0.500	0.011
30	B9_Biased	0.510	0.498	0.012
30	C7_Biased	0.479	0.459	0.020
30	C9_Biased	0.442	0.426	0.016
30	A90_Unbiased	0.388	0.376	0.012
30	B10_Unbiased	0.429	0.418	0.011
30	B11_Unbiased	0.485	0.471	0.014
30	C11_Unbiased	0.439	0.423	0.016
30	C12_Unbiased	0.479	0.461	0.018
0	106_Corr	0.390	0.390	0.000
0	15B_Corr	0.374	0.374	0.000
50	A92_Biased	0.499	0.411	0.088
50	A93_Biased	0.578	0.451	0.127
50	B12_Biased	0.509	0.423	0.086
50	B13_Biased	0.513	0.436	0.077
50	C14_Biased	0.424	0.393	0.031
50	A95_Unbiased	0.372	0.354	0.018
50	A96_Unbiased	0.490	0.417	0.073
50	B15_Unbiased	0.426	0.376	0.050
50	B16_Unbiased	0.416	0.384	0.032
50	C15_Unbiased	0.411	0.375	0.036
0	106_Corr	0.469	0.469	0.000
100	A97_Biased	0.372	0.336	0.036
100	A99_Biased	0.523	0.470	0.053
100	A100_Biased	0.414	0.365	0.049
100	A101_Biased	0.483	0.431	0.052
100	A102_Biased	0.469	0.286	0.183
100	A104_Biased	0.554	0.467	0.087
100	A105_Biased	0.416	0.371	0.045
100	B17_Biased	0.498	0.447	0.051
100	B18_Biased	0.482	0.442	0.040
100	B19_Biased	0.402	0.357	0.045
100	B20_Biased	0.533	0.483	0.050
100	B21_Biased	0.470	0.418	0.052
100	B24_Biased	0.546	0.498	0.048
100	B25_Biased	0.524	0.479	0.045
100	B26_Biased	0.533	0.489	0.044
100	C16_Biased	0.411	0.366	0.045
100	C17_Biased	0.432	0.374	0.058
100	C18_Biased	0.444	0.392	0.052
100	C19_Biased	0.427	0.367	0.060
100	C25_Biased	0.493	0.441	0.052
100	C26_Biased	0.386	0.337	0.049
100	C31_Biased	0.449	0.401	0.048
100	A107_Unbiased	0.514	0.453	0.061
100	A108_Unbiased	0.375	0.336	0.039
100	A109_Unbiased	0.464	0.431	0.033
100	A110_Unbiased	0.415	0.373	0.042
100	A111_Unbiased	0.481	0.423	0.058
100	A112_Unbiased	0.395	0.353	0.042
100	A113_Unbiased	0.532	0.471	0.061
100	B27_Unbiased	0.472	0.430	0.042
100	B29_Unbiased	0.481	0.440	0.041
100	B30_Unbiased	0.472	0.427	0.045
100	B31_Unbiased	0.479	0.437	0.042
100	B32_Unbiased	0.396	0.442	-0.046
100	B33_Unbiased	0.519	0.471	0.048
100	B34_Unbiased	0.328	0.334	-0.006
100	B35_Unbiased	0.446	0.405	0.041
100	C32_Unbiased	0.421	0.375	0.046
100	C33_Unbiased	0.477	0.431	0.046
100	C34_Unbiased	0.447	0.397	0.050
100	C35_Unbiased	0.470	0.415	0.055
100	C36_Unbiased	0.407	0.361	0.046
100	C37_Unbiased	0.400	0.349	0.051
100	C38_Unbiased	0.463	0.404	0.059
	Max	0.587	0.590	0.183
	Average	0.460	0.427	0.033
	Min	0.328	0.286	-0.046
	Std Dev	0.053	0.055	0.033

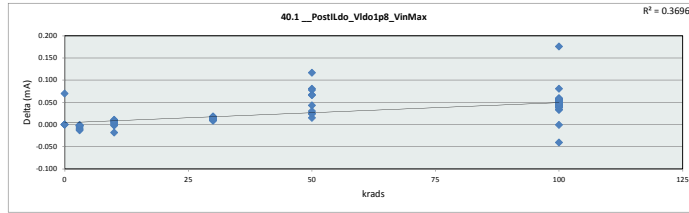


40.0 Post1Ldo_Vido2p5_VinMa						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
Krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.374	0.389	0.398	0.376	0.354	0.286
Average	0.407	0.483	0.471	0.446	0.402	0.409
Max	0.469	0.590	0.543	0.500	0.451	0.498
UL	1.200	1.200	1.200	1.200	1.200	1.200

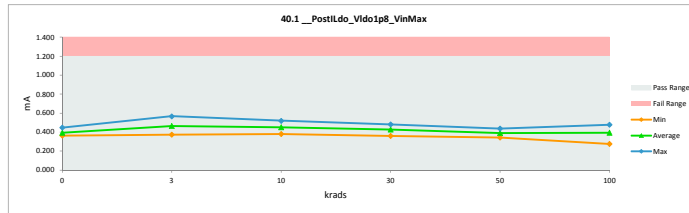


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40.1 PostILdo_Vido1p8_VinMa				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	mA	mA		
Max Limit	1.2	1.2		
Min Limit	0	0		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.395	0.395	0.000
3	A79_Biased	0.517	0.523	-0.006
3	A80_Biased	0.364	0.373	-0.009
3	B1_Biased	0.420	0.421	-0.001
3	B2_Biased	0.511	0.514	-0.003
3	C1_Biased	0.413	0.415	-0.002
3	A82_Unbiased	0.446	0.459	-0.013
3	A83_Unbiased	0.449	0.440	-0.011
3	B4_Unbiased	0.564	0.567	-0.003
3	B5_Unbiased	0.480	0.482	-0.002
3	C2_Unbiased	0.421	0.423	-0.002
10	A85_Biased	0.379	0.381	-0.002
10	A86_Biased	0.457	0.475	-0.018
10	B6_Biased	0.509	0.499	0.010
10	C3_Biased	0.421	0.410	0.011
10	C4_Biased	0.427	0.419	0.008
10	A87_Unbiased	0.507	0.503	0.004
10	A88_Unbiased	0.519	0.520	-0.001
10	B7_Unbiased	0.436	0.433	0.003
10	C5_Unbiased	0.471	0.465	0.006
10	C6_Unbiased	0.415	0.407	0.008
0	106_Corr	0.448	0.448	0.000
30	A89_Biased	0.427	0.415	0.012
30	B8_Biased	0.489	0.480	0.009
30	B9_Biased	0.489	0.477	0.012
30	C7_Biased	0.459	0.441	0.018
30	C9_Biased	0.422	0.407	0.015
30	A90_Unbiased	0.370	0.360	0.010
30	B10_Unbiased	0.410	0.400	0.010
30	B11_Unbiased	0.462	0.450	0.012
30	C11_Unbiased	0.419	0.405	0.014
30	C12_Unbiased	0.460	0.442	0.018
0	106_Corr	0.379	0.379	0.000
0	15B_Corr	0.364	0.364	0.000
50	A92_Biased	0.478	0.397	0.081
50	A93_Biased	0.554	0.437	0.117
50	B12_Biased	0.488	0.410	0.078
50	B13_Biased	0.490	0.423	0.067
50	C14_Biased	0.405	0.381	0.024
50	A95_Unbiased	0.358	0.343	0.015
50	A96_Unbiased	0.471	0.405	0.066
50	B15_Unbiased	0.408	0.365	0.043
50	B16_Unbiased	0.397	0.372	0.025
50	C15_Unbiased	0.393	0.363	0.030
0	106_Corr	0.448	0.448	0.000
100	A97_Biased	0.355	0.322	0.033
100	A99_Biased	0.501	0.451	0.050
100	A100_Biased	0.397	0.351	0.046
100	A101_Biased	0.463	0.415	0.048
100	A102_Biased	0.452	0.276	0.176
100	A104_Biased	0.530	0.449	0.081
100	A105_Biased	0.401	0.356	0.045
100	B17_Biased	0.480	0.430	0.050
100	B18_Biased	0.463	0.424	0.039
100	B19_Biased	0.385	0.343	0.042
100	B20_Biased	0.512	0.464	0.048
100	B21_Biased	0.450	0.402	0.048
100	B24_Biased	0.526	0.479	0.047
100	B25_Biased	0.502	0.460	0.042
100	B26_Biased	0.511	0.469	0.042
100	C16_Biased	0.394	0.353	0.041
100	C17_Biased	0.414	0.359	0.055
100	C18_Biased	0.427	0.377	0.050
100	C19_Biased	0.410	0.353	0.057
100	C25_Biased	0.473	0.422	0.051
100	C26_Biased	0.370	0.325	0.045
100	C31_Biased	0.430	0.384	0.046
100	A107_Unbiased	0.436	0.436	0.000
100	A108_Unbiased	0.360	0.322	0.038
100	A109_Unbiased	0.447	0.413	0.034
100	A110_Unbiased	0.396	0.357	0.039
100	A111_Unbiased	0.461	0.406	0.055
100	A112_Unbiased	0.380	0.340	0.040
100	A113_Unbiased	0.511	0.452	0.059
100	B27_Unbiased	0.453	0.412	0.041
100	B29_Unbiased	0.461	0.420	0.041
100	B30_Unbiased	0.452	0.409	0.043
100	B31_Unbiased	0.460	0.418	0.042
100	B32_Unbiased	0.384	0.424	-0.040
100	B33_Unbiased	0.498	0.452	0.046
100	B34_Unbiased	0.319	-0.001	0.320
100	B35_Unbiased	0.427	0.388	0.039
100	C32_Unbiased	0.405	0.360	0.045
100	C33_Unbiased	0.458	0.415	0.043
100	C34_Unbiased	0.429	0.382	0.047
100	C35_Unbiased	0.449	0.398	0.051
100	C36_Unbiased	0.389	0.347	0.042
100	C37_Unbiased	0.384	0.337	0.047
100	C38_Unbiased	0.445	0.386	0.059
	Max	0.564	0.567	0.176
	Average	0.442	0.411	0.031
	Min	0.318	0.276	-0.040
	Std Dev	0.051	0.053	0.031

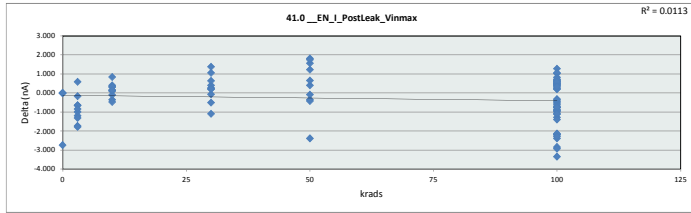


40.1 PostILdo_Vido1p8_VinMa						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	1.2	mA				
Min Limit	0	mA				
krads	0	3	10	30	50	100
LL	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.364	0.373	0.381	0.360	0.343	0.276
Average	0.393	0.464	0.451	0.428	0.390	0.392
Max	0.448	0.567	0.520	0.480	0.437	0.479
UL	1.200	1.200	1.200	1.200	1.200	1.200

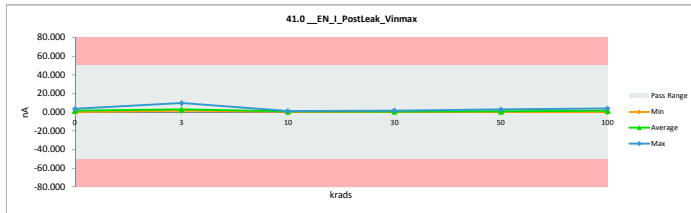


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41.0_EN_I_PostLeak_Vinmax				
Test Site	Dallas, Tx	Dallas, Tx		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50			
Min Limit	-50			
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	2.052	2.052	0.000
3	A79_Biased	0.836	1.832	-0.996
3	A80_Biased	1.119	2.320	-1.201
3	B1_Biased	0.427	2.162	-1.735
3	B2_Biased	10.370	9.777	0.593
3	C1_Biased	1.465	1.627	-0.162
3	A82_Unbiased	1.072	1.706	-0.634
3	A83_Unbiased	0.805	2.110	-1.310
3	B4_Unbiased	1.135	1.800	-0.665
3	B5_Unbiased	1.229	3.012	-1.783
3	C2_Unbiased	1.040	1.879	-0.839
10	A85_Biased	0.805	0.710	0.095
10	A86_Biased	1.240	1.103	0.137
10	B6_Biased	0.977	0.569	0.408
10	C3_Biased	0.490	0.836	-0.346
10	C4_Biased	0.207	0.679	-0.472
10	A87_Unbiased	1.245	0.930	0.315
10	A88_Unbiased	0.789	0.475	0.314
10	B7_Unbiased	1.292	0.459	0.833
10	C5_Unbiased	0.899	0.993	-0.094
10	C6_Unbiased	0.805	0.647	0.158
0	106_Corr	0.873	0.873	0.000
30	A89_Biased	0.349	0.857	-0.508
30	B8_Biased	1.323	1.061	0.262
30	B9_Biased	0.349	0.417	-0.068
30	C7_Biased	1.480	1.077	0.403
30	C9_Biased	1.559	0.275	1.278
30	A90_Unbiased	0.626	1.721	-1.095
30	B10_Unbiased	0.537	0.338	0.199
30	B11_Unbiased	1.009	0.794	0.215
30	C11_Unbiased	1.009	0.370	0.639
30	C12_Unbiased	1.103	0.040	1.063
0	106_Corr	0.621	0.621	0.000
0	15B_Corr	0.133	0.133	0.000
50	A92_Biased	1.197	0.404	0.793
50	A93_Biased	1.716	0.150	1.566
50	B12_Biased	1.386	0.731	0.655
50	B13_Biased	1.009	1.359	-0.350
50	C14_Biased	1.465	0.243	1.222
50	A95_Unbiased	1.999	0.181	1.818
50	A96_Unbiased	1.858	0.118	1.740
50	B15_Unbiased	0.867	0.951	-0.084
50	B16_Unbiased	0.632	1.061	-0.429
50	C15_Unbiased	0.380	2.774	-2.394
0	106_Corr	0.621	0.621	0.000
100	A97_Biased	0.380	2.771	-2.391
100	A99_Biased	0.113	3.463	-3.350
100	A100_Biased	1.480	2.755	-1.275
100	A101_Biased	1.559	-0.520	2.079
100	A102_Biased	2.172	1.151	1.021
100	A104_Biased	1.323	3.495	-2.172
100	A105_Biased	1.182	0.758	0.424
100	B17_Biased	1.559	0.286	1.273
100	B18_Biased	1.649	2.614	-0.965
100	B19_Biased	1.433	0.380	1.053
100	B20_Biased	0.506	1.497	-0.991
100	B21_Biased	0.475	0.931	-0.456
100	B24_Biased	0.946	0.554	0.392
100	B25_Biased	0.977	0.491	0.486
100	B26_Biased	0.915	0.459	0.456
100	C16_Biased	1.527	1.324	0.203
100	C17_Biased	1.229	1.812	-0.583
100	C18_Biased	0.239	2.441	-2.202
100	C19_Biased	0.789	1.481	-0.692
100	C25_Biased	0.317	0.044	0.273
100	C26_Biased	1.040	3.180	-2.140
100	C31_Biased	1.229	1.607	-0.378
100	A107_Unbiased	0.867	0.244	0.623
100	A108_Unbiased	1.292	1.434	-1.117
100	A109_Unbiased	0.710	0.632	0.078
100	A110_Unbiased	0.710	0.019	0.691
100	A111_Unbiased	1.100	3.101	-1.401
100	A112_Unbiased	1.150	2.032	-0.882
100	A113_Unbiased	0.280	2.567	-2.287
100	B27_Unbiased	0.726	0.176	0.550
100	B29_Unbiased	1.245	1.560	-0.315
100	B30_Unbiased	0.805	1.717	-0.912
100	B31_Unbiased	1.056	0.239	0.817
100	B32_Unbiased	0.490	3.337	-2.847
100	B33_Unbiased	0.836	0.327	0.509
100	B34_Unbiased	0.286	1.057	-0.771
100	B35_Unbiased	0.946	0.736	0.210
100	C32_Unbiased	1.040	0.318	0.722
100	C33_Unbiased	0.962	1.717	-0.755
100	C34_Unbiased	0.930	3.856	-2.926
100	C35_Unbiased	1.245	2.331	-1.086
100	C36_Unbiased	1.402	0.821	0.581
100	C37_Unbiased	0.820	1.560	-0.740
100	C38_Unbiased	0.820	0.485	0.335
	Max	10.370	9.777	1.818
	Average	1.098	1.394	-0.296
	Min	0.113	0.019	-3.350
	Std Dev	1.093	1.334	1.116

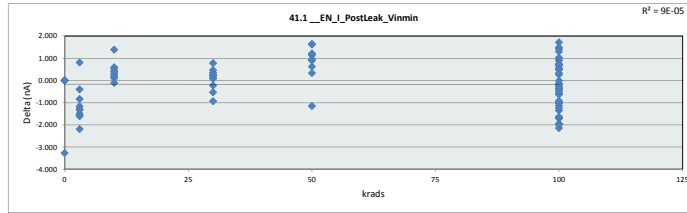


41.0_EN_I_PostLeak_Vinmax						
Test Site	Dallas, Tx					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	0.133	1.627	0.459	0.040	0.118	0.019
Average	1.460	2.823	0.740	0.695	0.836	1.497
Max	3.621	9.777	1.103	1.721	2.774	3.856
UL	50.000	50.000	50.000	50.000	50.000	50.000

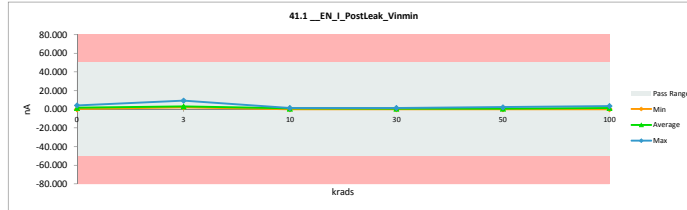


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41.1_EN_I_PostLeak_Vinmin				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50			
Min Limit	-50			
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	1.974	1.974	0.000
3	A79_Biased	1.009	2.571	-1.562
3	A80_Biased	0.836	2.005	-1.169
3	B1_Biased	1.260	2.870	-1.610
3	B2_Biased	10.087	9.273	0.814
3	C1_Biased	0.820	2.320	-1.500
3	A82_Unbiased	0.836	2.162	-1.326
3	A83_Unbiased	0.549	2.740	-2.191
3	B4_Unbiased	1.905	2.304	-0.399
3	B5_Unbiased	1.355	2.194	-0.839
3	C2_Unbiased	1.307	2.603	-1.296
10	A85_Biased	0.899	0.726	0.173
10	A86_Biased	1.512	0.129	1.383
10	B6_Biased	1.323	1.433	-0.110
10	C3_Biased	1.465	1.040	0.425
10	C4_Biased	0.867	0.757	0.110
10	A87_Unbiased	1.779	1.182	0.597
10	A88_Unbiased	1.339	0.805	0.534
10	B7_Unbiased	1.480	1.182	0.298
10	C5_Unbiased	1.417	1.025	0.392
10	C6_Unbiased	0.820	0.632	0.188
0	106_Corr	0.857	0.000	0.857
30	A89_Biased	1.402	0.935	0.467
30	B8_Biased	1.087	0.935	0.152
30	B9_Biased	0.899	1.423	-0.524
30	C7_Biased	1.496	0.715	0.781
30	C9_Biased	0.993	0.715	0.278
30	A90_Unbiased	0.003	0.935	-0.932
30	B10_Unbiased	0.380	0.024	0.356
30	B11_Unbiased	0.867	1.093	-0.226
30	C11_Unbiased	0.679	0.074	0.605
30	C12_Unbiased	0.905	0.590	0.215
0	106_Corr	0.180	0.180	0.000
0	15B_Corr	0.652	0.652	0.000
50	A92_Biased	1.606	0.385	1.221
50	A93_Biased	1.386	0.244	1.142
50	B12_Biased	1.590	0.636	0.954
50	B13_Biased	1.653	1.029	0.624
50	C14_Biased	1.669	0.479	1.190
50	A95_Unbiased	1.653	0.039	1.614
50	A96_Unbiased	1.810	0.165	1.645
50	B15_Unbiased	1.355	0.464	0.891
50	B16_Unbiased	0.820	0.479	0.341
50	C15_Unbiased	1.087	2.232	-1.145
0	106_Corr	0.857	4.124	-3.267
100	A97_Biased	2.596	2.881	-0.285
100	A99_Biased	0.899	1.277	-0.378
100	A100_Biased	1.826	2.960	-1.134
100	A101_Biased	0.490	0.468	0.022
100	A102_Biased	1.339	2.693	-1.354
100	A104_Biased	0.600	0.113	0.487
100	A105_Biased	1.276	2.252	-0.976
100	B17_Biased	1.166	0.255	0.911
100	B18_Biased	0.726	1.749	-1.023
100	B19_Biased	0.726	1.214	-0.488
100	B20_Biased	1.166	3.133	-1.967
100	B21_Biased	0.962	0.469	0.493
100	B24_Biased	0.977	1.576	-0.599
100	B25_Biased	1.669	0.176	1.493
100	B26_Biased	1.276	0.359	0.917
100	C16_Biased	1.402	1.560	-0.158
100	C17_Biased	0.663	0.406	0.257
100	C18_Biased	1.559	3.495	-1.936
100	C19_Biased	1.512	1.890	-0.378
100	C25_Biased	1.355	1.544	-0.189
100	C26_Biased	1.355	1.969	-0.614
100	C31_Biased	1.402	3.117	-1.715
100	A107_Unbiased	1.433	2.425	-0.992
100	A108_Unbiased	1.795	2.394	-0.599
100	A109_Unbiased	1.575	2.818	-1.243
100	A110_Unbiased	1.795	0.082	1.713
100	A111_Unbiased	1.417	0.003	1.414
100	A112_Unbiased	0.333	2.001	-1.668
100	A113_Unbiased	1.606	1.875	-0.269
100	B27_Unbiased	0.899	1.529	-0.630
100	B29_Unbiased	1.748	2.771	-1.023
100	B30_Unbiased	1.040	0.318	0.722
100	B31_Unbiased	0.867	0.207	0.660
100	B32_Unbiased	0.490	0.506	-0.016
100	B33_Unbiased	1.606	0.312	1.294
100	B34_Unbiased	0.443	2.582	-2.139
100	B35_Unbiased	1.465	2.378	-0.913
100	C32_Unbiased	1.213	0.884	0.329
100	C33_Unbiased	1.370	1.875	-0.505
100	C34_Unbiased	0.946	0.396	0.550
100	C35_Unbiased	0.905	2.441	-1.536
100	C36_Unbiased	1.370	0.632	0.738
100	C37_Unbiased	0.710	2.693	-1.983
100	C38_Unbiased	1.197	0.176	1.021
	Max	10.087	9.273	1.713
	Average	1.278	1.449	-0.171
	Min	0.003	0.003	-3.267
	Std Dev	1.047	1.305	1.042

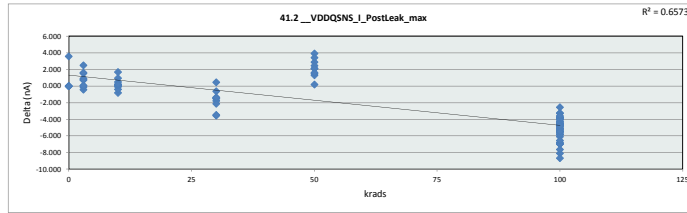


41.1_EN_I_PostLeak_Vinmin					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	50	nA			
Min Limit	-50	nA			
Krads	LL	Min	Average	Max	UL
0	-50.000	0.180	1.557	4.124	50.000
3	-50.000	2.005	3.106	9.273	50.000
10	-50.000	0.129	0.891	1.433	50.000
30	-50.000	0.024	0.797	1.423	50.000
50	-50.000	0.039	0.616	2.239	50.000
100	-50.000	0.003	1.524	3.495	50.000

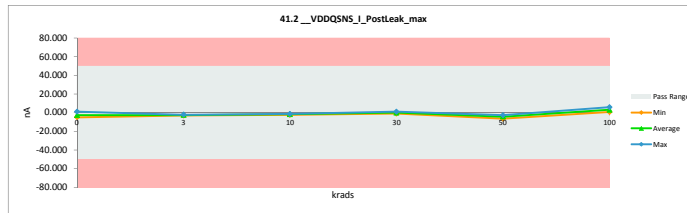


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41.2_VDDQSN5_I_PostLeak_m				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50			
Min Limit	-50			
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	-2.756	-2.756	0.000
3	A79_Biased	-0.352	-2.882	2.530
3	A80_Biased	-2.519	-2.599	0.080
3	B1_Biased	-2.550	-2.127	-0.423
3	B2_Biased	-1.137	-2.677	1.540
3	C1_Biased	-1.294	-2.929	1.635
3	A82_Unbiased	-1.357	-2.284	0.927
3	A83_Unbiased	-1.781	-2.504	0.723
3	B4_Unbiased	-2.284	-2.174	-0.110
3	B5_Unbiased	-1.546	-2.315	0.769
3	C2_Unbiased	-2.158	-2.221	0.063
10	A85_Biased	-1.483	-1.514	0.031
10	A86_Biased	-1.765	-1.687	-0.078
10	B6_Biased	-0.682	-1.640	0.958
10	C3_Biased	-0.494	-2.205	1.711
10	C4_Biased	-1.137	-1.640	0.503
10	A87_Unbiased	-1.875	-2.079	0.204
10	A88_Unbiased	-1.985	-1.200	-0.785
10	B7_Unbiased	-2.221	-1.828	-0.393
10	C5_Unbiased	-1.216	-1.389	0.173
10	C6_Unbiased	-1.012	-1.263	0.251
0	106_Corr	1.235	1.235	0.000
30	A89_Biased	-1.279	0.214	-1.493
30	B8_Biased	-1.844	-0.084	-1.760
30	B9_Biased	-2.880	0.669	-3.549
30	C7_Biased	-1.750	-0.320	-1.430
30	C9_Biased	-0.855	-0.597	-0.258
30	A90_Unbiased	-0.525	-1.011	0.486
30	B10_Unbiased	-2.221	1.250	-3.471
30	B11_Unbiased	-2.048	0.057	-2.105
30	C11_Unbiased	-2.001	-0.571	-1.430
30	C12_Unbiased	-1.310	0.026	-1.336
0	106_Corr	-4.574	-4.574	0.000
0	15B_Corr	-4.873	-4.873	0.000
50	A92_Biased	-1.483	-4.370	2.887
50	A93_Biased	-1.247	-2.769	1.522
50	B12_Biased	-2.425	-4.543	2.118
50	B13_Biased	-2.550	-6.506	3.956
50	C14_Biased	-1.828	-5.281	3.453
50	A95_Unbiased	-1.844	-4.308	2.464
50	A96_Unbiased	-1.734	-3.036	1.302
50	B15_Unbiased	-2.362	-2.581	0.219
50	B16_Unbiased	-2.566	-4.700	2.134
50	C15_Unbiased	-1.593	-3.224	1.631
0	106_Corr	1.235	-2.348	3.583
100	A97_Biased	-1.938	1.975	-3.913
100	A99_Biased	-0.996	4.758	-5.754
100	A100_Biased	-1.718	5.041	-6.759
100	A101_Biased	-1.624	2.148	-3.772
100	A102_Biased	-1.703	2.790	-3.993
100	A104_Biased	-2.456	2.180	-4.636
100	A105_Biased	-1.420	3.060	-4.480
100	B17_Biased	-2.017	3.438	-5.455
100	B18_Biased	-1.420	4.145	-5.565
100	B19_Biased	-1.122	3.815	-4.937
100	B20_Biased	-2.236	2.180	-4.416
100	B21_Biased	-2.111	5.969	-8.080
100	B24_Biased	-2.284	4.632	-6.916
100	B25_Biased	-1.012	3.217	-4.229
100	B26_Biased	-2.174	4.774	-6.948
100	C16_Biased	-1.671	2.101	-3.772
100	C17_Biased	-1.216	3.862	-5.078
100	C18_Biased	-2.378	4.601	-6.979
100	C19_Biased	-2.001	3.768	-5.769
100	C25_Biased	-1.954	4.114	-6.068
100	C26_Biased	-2.535	1.236	-3.771
100	C31_Biased	-1.718	3.092	-4.810
100	A107_Unbiased	-0.871	2.853	-3.224
100	A108_Unbiased	-2.393	1.425	-3.818
100	A109_Unbiased	-1.781	2.526	-4.307
100	A110_Unbiased	-2.998	2.526	-5.124
100	A111_Unbiased	-2.943	0.790	-3.733
100	A112_Unbiased	-0.839	3.783	-4.622
100	A113_Unbiased	-1.028	4.821	-5.849
100	B27_Unbiased	-0.698	4.491	-5.189
100	B29_Unbiased	-1.844	2.180	-4.024
100	B30_Unbiased	-0.054	2.878	-2.822
100	B31_Unbiased	-2.472	2.007	-4.479
100	B32_Unbiased	-5.549	2.054	-7.603
100	B33_Unbiased	-1.907	4.648	-6.555
100	B34_Unbiased	-2.832	2.840	-5.672
100	B35_Unbiased	-1.247	2.007	-3.254
100	C32_Unbiased	-1.169	2.416	-3.585
100	C33_Unbiased	-0.635	4.758	-5.393
100	C34_Unbiased	-1.200	3.375	-4.575
100	C35_Unbiased	-1.985	4.778	-6.763
100	C36_Unbiased	-1.828	3.453	-5.281
100	C37_Unbiased	-0.918	4.554	-5.472
100	C38_Unbiased	-2.535	2.227	-4.762
	Max	1.235	5.969	3.956
	Average	-1.786	0.506	-2.292
	Min	-5.832	-6.506	-8.672
	Std Dev	1.068	3.068	3.144

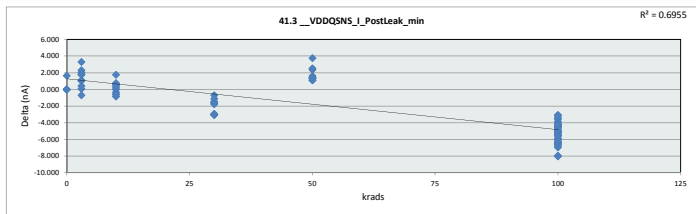


41.2_VDDQSN5_I_PostLeak						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	LL	Min	Average	Max	UL	
0	-50.000	-4.873	-2.663	1.235	50.000	
3	-50.000	-2.929	-2.471	-2.127	50.000	
10	-50.000	-2.205	-1.645	-1.200	50.000	
30	-50.000	-1.011	-0.003	1.250	50.000	
50	-50.000	-6.506	-4.132	-2.581	50.000	
100	-50.000	0.780	3.202	5.969	50.000	

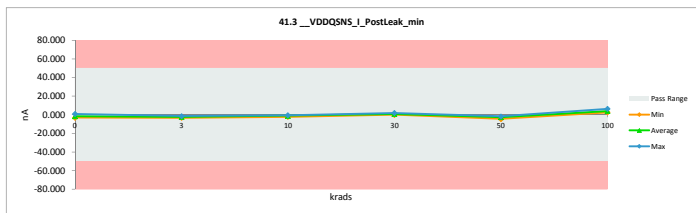


TID 100krad LDR Report
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41.3_VDDQSNS_I_PostLeak_m				
Test Site	Dallas, TX	Dallas, TX		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	nA	nA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	-3.039	-3.039	0.000
3	A79_Biased	0.040	-1.702	1.742
3	A80_Biased	0.040	-3.243	3.283
3	B1_Biased	-2.299	-1.592	-0.707
3	B2_Biased	-1.279	-1.340	0.061
3	C1_Biased	-0.541	-2.567	2.026
3	A82_Unbiased	-0.965	-2.001	1.036
3	A83_Unbiased	-0.243	-2.551	2.308
3	B4_Unbiased	-1.012	-2.819	1.807
3	B5_Unbiased	-1.247	-1.671	0.424
3	C2_Unbiased	-0.588	-1.686	1.098
10	A85_Biased	-1.122	-0.509	-0.613
10	A86_Biased	-0.070	-0.682	-0.346
10	B6_Biased	0.951	-0.808	1.759
10	C3_Biased	-0.541	-0.525	-0.016
10	C4_Biased	-1.593	-1.781	0.188
10	A87_Unbiased	-0.070	-0.682	0.612
10	A88_Unbiased	-1.294	-0.431	-0.863
10	B7_Unbiased	-1.703	-2.127	0.424
10	C5_Unbiased	-1.185	-1.954	0.769
10	C6_Unbiased	-1.106	-0.525	-0.581
0	106_Corr	0.983	0.983	0.000
30	A89_Biased	-0.823	0.669	-1.492
30	B8_Biased	-0.682	0.889	-1.571
30	B9_Biased	-1.326	1.768	-3.094
30	C7_Biased	-0.996	0.654	-1.650
30	C9_Biased	-1.059	1.941	-3.000
30	A90_Unbiased	-0.682	0.026	-0.708
30	B10_Unbiased	-1.608	1.392	-3.000
30	B11_Unbiased	-2.017	0.936	-2.953
30	C11_Unbiased	-0.277	0.277	-1.148
30	C12_Unbiased	-1.169	0.622	-1.791
0	106_Corr	-2.800	-2.800	0.000
0	15B_Corr	-1.921	-1.921	0.000
50	A92_Biased	-0.258	-2.612	2.354
50	A93_Biased	-0.588	-1.686	1.098
50	B12_Biased	-1.436	-2.832	1.396
50	B13_Biased	-0.651	-4.417	3.766
50	C14_Biased	-0.729	-2.078	1.349
50	A95_Unbiased	-0.525	-3.052	2.527
50	A96_Unbiased	-0.839	-2.172	1.333
50	B15_Unbiased	-0.180	-1.780	1.600
50	B16_Unbiased	-0.980	-2.345	1.365
50	C15_Unbiased	-1.357	-2.439	1.082
0	106_Corr	0.983	0.983	0.000
100	A97_Biased	-0.635	5.308	-5.943
100	A99_Biased	-0.101	4.412	-4.513
100	A100_Biased	-0.368	3.941	-4.309
100	A101_Biased	-0.902	5.544	-6.446
100	A102_Biased	-0.478	6.315	-6.793
100	A104_Biased	-0.117	4.900	-5.017
100	A105_Biased	0.197	3.312	-3.115
100	B17_Biased	-2.550	2.604	-5.154
100	B18_Biased	-0.871	4.161	-5.032
100	B19_Biased	-1.232	3.170	-4.402
100	B20_Biased	-1.122	3.925	-5.047
100	B21_Biased	-1.844	3.736	-5.580
100	B24_Biased	-1.059	3.673	-4.732
100	B25_Biased	-1.656	4.402	-5.958
100	B26_Biased	-0.619	3.705	-4.324
100	C16_Biased	-1.671	4.931	-6.602
100	C17_Biased	-0.038	4.208	-4.246
100	C18_Biased	-1.263	3.972	-5.235
100	C19_Biased	-0.902	3.532	-4.434
100	C25_Biased	-0.666	5.890	-6.556
100	C26_Biased	-0.572	2.526	-3.098
100	C31_Biased	-0.606	4.491	-5.095
100	A107_Unbiased	-0.462	4.082	-4.544
100	A108_Unbiased	-0.619	2.966	-3.585
100	A109_Unbiased	-1.624	4.287	-5.911
100	A110_Unbiased	-2.519	2.557	-5.076
100	A111_Unbiased	-1.671	3.183	-4.854
100	A112_Unbiased	-1.075	3.217	-4.292
100	A113_Unbiased	-1.342	3.721	-5.063
100	B27_Unbiased	-0.588	4.900	-5.488
100	B29_Unbiased	-1.185	2.667	-3.852
100	B30_Unbiased	-0.776	4.805	-5.581
100	B31_Unbiased	-1.185	3.186	-4.371
100	B32_Unbiased	-3.916	4.051	-7.967
100	B33_Unbiased	-1.514	2.573	-4.087
100	B34_Unbiased	-4.168	3.862	-8.030
100	B35_Unbiased	-1.200	5.151	-6.351
100	C32_Unbiased	-1.389	5.591	-6.980
100	C33_Unbiased	-1.342	5.057	-6.399
100	C34_Unbiased	-0.761	2.636	-3.397
100	C35_Unbiased	-0.761	5.450	-6.211
100	C36_Unbiased	0.134	3.265	-3.131
100	C37_Unbiased	-1.640	3.327	-4.967
100	C38_Unbiased	-1.467	2.793	-4.260
	Max	0.983	6.315	3.766
	Average	-1.026	1.368	-2.394
	Min	-4.168	-4.417	-8.030
	Std Dev	0.863	2.920	3.097

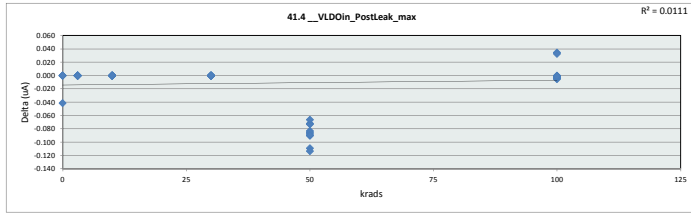


41.3_VDDQSNS_I_PostLeak						
Test Site	Dallas, TX					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	nA				
Min Limit	-50	nA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	-3.039	-3.243	-2.127	0.026	-4.417	2.526
Average	-1.489	-2.117	-0.987	0.917	-2.541	4.011
Max	0.983	-1.340	-0.431	1.941	-1.686	6.315
UL	50.000	50.000	50.000	50.000	50.000	50.000

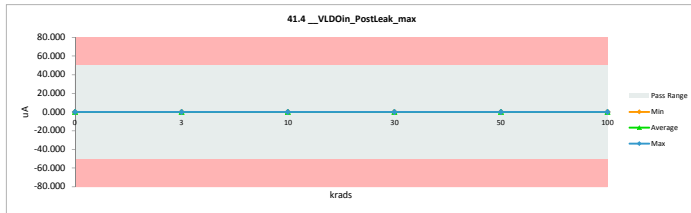


TID 100krad LDR Report
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41.4_VLD0in_PostLeak_max				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50			
Min Limit	-50			
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.001	0.001	0.000
3	A79_Biased	0.000	0.000	0.000
3	A80_Biased	0.000	0.000	0.000
3	B1_Biased	0.000	0.000	0.000
3	B2_Biased	0.000	0.000	0.000
3	C1_Biased	0.000	0.000	0.000
3	A82_Unbiased	0.000	0.000	0.000
3	A83_Unbiased	0.000	0.000	0.000
3	B4_Unbiased	0.000	0.000	0.000
3	B5_Unbiased	0.000	0.000	0.000
3	C2_Unbiased	0.000	0.000	0.000
10	A85_Biased	0.000	0.000	0.000
10	A86_Biased	0.000	0.000	0.000
10	B6_Biased	0.000	0.000	0.000
10	C3_Biased	0.000	0.000	0.000
10	C4_Biased	0.000	0.000	0.000
10	A87_Unbiased	0.000	0.000	0.000
10	A88_Unbiased	0.000	0.000	0.000
10	B7_Unbiased	0.000	0.000	0.000
10	C5_Unbiased	0.000	0.000	0.000
10	C6_Unbiased	0.000	0.000	0.000
0	106_Corr	0.000	0.000	0.000
30	A89_Biased	0.000	0.000	0.000
30	B8_Biased	0.000	0.000	0.000
30	B9_Biased	0.000	0.000	0.000
30	C7_Biased	0.000	0.000	0.000
30	C9_Biased	0.000	0.000	0.000
30	A90_Unbiased	0.000	0.000	0.000
30	B10_Unbiased	0.000	0.000	0.000
30	B11_Unbiased	0.000	0.000	0.000
30	C11_Unbiased	0.000	0.000	0.000
30	C12_Unbiased	0.000	0.000	0.000
0	106_Corr	0.045	0.045	0.000
0	15B_Corr	0.033	0.033	0.000
50	A92_Biased	0.000	0.072	-0.072
50	A93_Biased	0.000	0.073	-0.073
50	B12_Biased	0.000	0.087	-0.087
50	B13_Biased	0.000	0.109	-0.109
50	C14_Biased	0.000	0.113	-0.113
50	A95_Unbiased	0.000	0.083	-0.083
50	A96_Unbiased	0.000	0.085	-0.085
50	B15_Unbiased	0.000	0.066	-0.066
50	B16_Unbiased	0.000	0.090	-0.090
50	C15_Unbiased	0.000	0.089	-0.089
0	106_Corr	0.000	0.041	-0.041
100	A97_Biased	0.000	0.001	-0.001
100	A99_Biased	0.000	0.001	-0.001
100	A100_Biased	0.000	0.004	-0.004
100	A101_Biased	0.000	0.001	-0.001
100	A102_Biased	0.000	0.000	0.000
100	A104_Biased	0.000	0.005	-0.005
100	A105_Biased	0.000	0.002	-0.002
100	B17_Biased	0.000	0.002	-0.002
100	B18_Biased	0.000	0.001	-0.001
100	B19_Biased	0.000	0.002	-0.002
100	B20_Biased	0.000	0.001	-0.001
100	B21_Biased	0.000	0.002	-0.002
100	B24_Biased	0.000	0.001	-0.001
100	B25_Biased	0.000	0.001	-0.001
100	B26_Biased	0.000	0.001	-0.001
100	C16_Biased	0.000	0.001	-0.001
100	C17_Biased	0.000	0.002	-0.002
100	C18_Biased	0.000	0.001	-0.001
100	C19_Biased	0.000	0.003	-0.003
100	C25_Biased	0.000	0.001	-0.001
100	C26_Biased	0.000	0.003	-0.003
100	C31_Biased	0.000	0.001	-0.001
100	A107_Unbiased	0.000	0.002	-0.002
100	A108_Unbiased	0.000	0.002	-0.002
100	A109_Unbiased	0.000	0.001	-0.001
100	A110_Unbiased	0.000	0.002	-0.002
100	A111_Unbiased	0.000	0.002	-0.002
100	A112_Unbiased	0.000	0.001	-0.001
100	A113_Unbiased	0.000	0.001	-0.001
100	B27_Unbiased	0.000	0.001	-0.001
100	B29_Unbiased	0.000	0.001	-0.001
100	B30_Unbiased	0.000	0.001	-0.001
100	B31_Unbiased	0.000	0.001	-0.001
100	B32_Unbiased	0.036	0.001	0.035
100	B33_Unbiased	0.000	0.001	-0.001
100	B34_Unbiased	0.000	0.001	0.033
100	B35_Unbiased	0.000	0.001	-0.001
100	C32_Unbiased	0.000	0.002	-0.002
100	C33_Unbiased	0.000	0.001	-0.001
100	C34_Unbiased	0.000	0.001	-0.001
100	C35_Unbiased	0.000	0.002	-0.002
100	C36_Unbiased	0.000	0.002	-0.002
100	C37_Unbiased	0.000	0.002	-0.002
100	C38_Unbiased	0.000	0.001	-0.001
	Max	0.045	0.113	0.035
	Average	0.002	0.000	-0.010
	Min	0.000	0.000	-0.113
	Std Dev	0.008	0.028	0.029

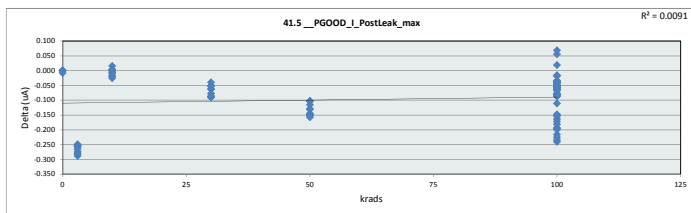


41.4_VLD0in_PostLeak_max						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	50	uA				
Min Limit	-50	uA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	0.001	0.000	0.000	0.000	0.066	0.001
Average	0.024	0.000	0.000	0.000	0.087	0.002
Max	0.045	0.000	0.000	0.000	0.113	0.005
UL	50.000	50.000	50.000	50.000	50.000	50.000

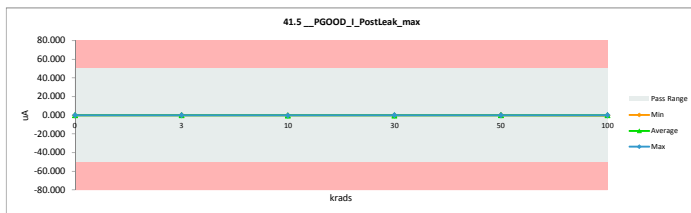


TID 100krad LDR Report
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41.5_PGOOD_I_PostLeak_max				
Test Site	Dallas, TX	Dallas, TX		
Testor	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50			
Min Limit	-50			
Krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.076	0.076	0.000
3	A79_Biased	-0.176	0.077	-0.254
3	A80_Biased	-0.165	0.084	-0.250
3	B1_Biased	-0.195	0.080	-0.275
3	B2_Biased	-0.181	0.075	-0.256
3	C1_Biased	-0.202	0.087	-0.289
3	A82_Unbiased	-0.182	0.101	-0.282
3	A83_Unbiased	-0.171	0.088	-0.259
3	B4_Unbiased	-0.178	0.075	-0.253
3	B5_Unbiased	-0.188	0.092	-0.280
3	C2_Unbiased	-0.172	0.093	-0.265
10	A85_Biased	-0.183	-0.185	0.002
10	A86_Biased	-0.183	-0.167	-0.016
10	B6_Biased	-0.166	-0.181	0.016
10	C3_Biased	-0.191	-0.165	-0.026
10	C4_Biased	-0.177	-0.174	-0.002
10	A87_Unbiased	-0.171	-0.175	0.004
10	A88_Unbiased	-0.194	-0.174	-0.021
10	B7_Unbiased	-0.178	-0.170	-0.007
10	C5_Unbiased	-0.186	-0.177	-0.009
10	C6_Unbiased	-0.179	-0.183	0.004
0	106_Corr	-0.116	-0.116	0.000
30	A89_Biased	-0.168	-0.118	-0.050
30	B8_Biased	-0.176	-0.113	-0.063
30	B9_Biased	-0.183	-0.120	-0.062
30	C7_Biased	-0.191	-0.100	-0.091
30	C9_Biased	-0.195	-0.107	-0.088
30	A90_Unbiased	-0.164	-0.124	-0.040
30	B10_Unbiased	-0.170	-0.115	-0.054
30	B11_Unbiased	-0.194	-0.108	-0.086
30	C11_Unbiased	-0.199	-0.121	-0.077
30	C12_Unbiased	-0.190	-0.100	-0.090
0	106_Corr	-0.086	-0.086	0.000
0	15B_Corr	-0.072	-0.072	0.000
50	A92_Biased	-0.157	-0.009	-0.148
50	A93_Biased	-0.171	-0.073	-0.104
50	B12_Biased	-0.179	-0.049	-0.131
50	B13_Biased	-0.166	-0.036	-0.130
50	C14_Biased	-0.200	-0.047	-0.153
50	A95_Unbiased	-0.176	-0.031	-0.145
50	A96_Unbiased	-0.167	-0.009	-0.158
50	B15_Unbiased	-0.163	-0.060	-0.103
50	B16_Unbiased	-0.177	-0.061	-0.116
50	C15_Unbiased	-0.196	-0.045	-0.151
0	106_Corr	-0.116	-0.116	0.000
100	A97_Biased	-0.192	-0.110	-0.082
100	A99_Biased	-0.171	-0.130	-0.041
100	A100_Biased	-0.191	-0.129	-0.062
100	A101_Biased	-0.176	-0.127	-0.049
100	A102_Biased	-0.182	-0.132	-0.050
100	A104_Biased	-0.171	-0.118	-0.053
100	A105_Biased	-0.185	-0.118	-0.067
100	B17_Biased	-0.173	0.021	-0.195
100	B18_Biased	-0.164	-0.146	-0.018
100	B19_Biased	-0.184	-0.105	-0.080
100	B20_Biased	-0.165	-0.015	-0.150
100	B21_Biased	-0.170	-0.226	0.056
100	B24_Biased	-0.175	-0.136	-0.039
100	B25_Biased	-0.173	-0.155	-0.018
100	B26_Biased	-0.180	-0.103	-0.077
100	C16_Biased	-0.197	-0.033	-0.164
100	C17_Biased	-0.194	-0.039	-0.155
100	C18_Biased	-0.196	-0.109	-0.087
100	C19_Biased	-0.179	-0.140	-0.039
100	C25_Biased	-0.197	-0.136	-0.061
100	C26_Biased	-0.210	-0.123	-0.087
100	C31_Biased	-0.206	-0.126	-0.080
100	A107_Unbiased	-0.169	-0.111	-0.051
100	A108_Unbiased	-0.193	-0.158	-0.034
100	A109_Unbiased	-0.180	0.014	-0.194
100	A110_Unbiased	-0.176	-0.109	-0.067
100	A111_Unbiased	-0.197	0.044	-0.241
100	A112_Unbiased	-0.183	-0.168	-0.016
100	A113_Unbiased	-0.192	-0.019	-0.172
100	B27_Unbiased	-0.167	-0.133	-0.034
100	B29_Unbiased	-0.169	0.012	-0.181
100	B30_Unbiased	-0.188	0.046	-0.234
100	B31_Unbiased	-0.180	-0.135	-0.045
100	B32_Unbiased	-0.153	-0.221	0.068
100	B33_Unbiased	-0.168	0.048	-0.216
100	B34_Unbiased	-0.157	0.042	-0.200
100	B35_Unbiased	-0.182	-0.139	-0.042
100	C32_Unbiased	-0.185	-0.126	-0.058
100	C33_Unbiased	-0.190	0.036	-0.226
100	C34_Unbiased	-0.179	-0.068	-0.111
100	C35_Unbiased	-0.225	-0.076	-0.149
100	C36_Unbiased	-0.204	-0.149	-0.054
100	C37_Unbiased	-0.216	-0.234	0.018
100	C38_Unbiased	-0.191	-0.107	-0.084
	Max	0.076	0.101	0.068
	Average	-0.175	-0.077	-0.098
	Min	-0.225	-0.234	-0.289
	Std Dev	0.035	0.087	0.089

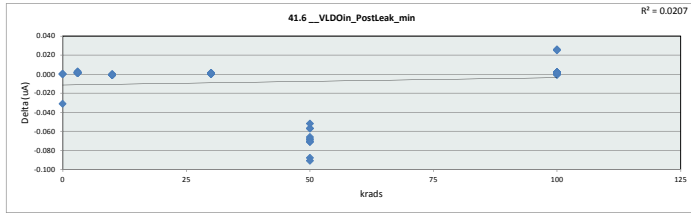


41.5_PGOOD_I_PostLeak_max						
Test Site	Dallas, TX					
Testor	ETS					
Test Number	EF636800					
Max Limit	50	uA				
Min Limit	-50	uA				
Krads	LL	Min	Average	Max	UL	Pass Range
0	-50.000	-0.116	0.076	-0.191	50.000	
3	-50.000	-0.254	-0.175	-0.098	50.000	
10	-50.000	-0.185	-0.123	-0.067	50.000	
30	-50.000	-0.145	-0.109	-0.041	50.000	
50	-50.000	-0.073	-0.042	-0.016	50.000	
100	-50.000	-0.234	-0.094	0.048	50.000	

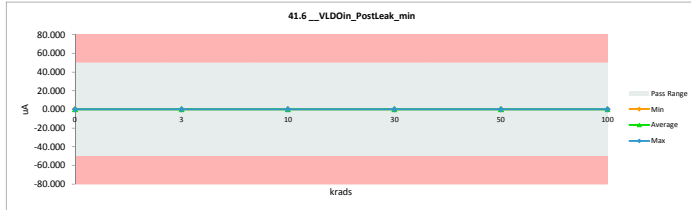


TID 100krad LDR Report
TPS7H3301-SP

41.6_VLDOin_PostLeak_min				
Test Site	Dallas, Tx	Dallas, Tx		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	50	50		
Min Limit	-50	-50		
krads	Serial #	PreRad_LDR	PostRad_LDR	Delta
0	C35_Corr	0.001	0.001	0.000
3	A79_Biased	0.003	0.000	0.003
3	A80_Biased	0.002	0.001	0.001
3	B1_Biased	0.002	0.001	0.001
3	B2_Biased	0.002	0.000	0.002
3	C1_Biased	0.002	0.000	0.002
3	A82_Unbiased	0.003	0.001	0.002
3	A83_Unbiased	0.002	0.001	0.001
3	B4_Unbiased	0.002	0.001	0.001
3	B5_Unbiased	0.002	0.001	0.001
3	C2_Unbiased	0.002	0.000	0.002
10	A85_Biased	0.002	0.003	-0.001
10	A86_Biased	0.002	0.002	0.000
10	B6_Biased	0.002	0.003	-0.001
10	C3_Biased	0.002	0.003	-0.001
10	C4_Biased	0.002	0.003	-0.001
10	A87_Unbiased	0.002	0.003	-0.001
10	A88_Unbiased	0.002	0.003	-0.001
10	B7_Unbiased	0.002	0.003	-0.001
10	C5_Unbiased	0.002	0.003	-0.001
10	C6_Unbiased	0.002	0.003	-0.001
0	106_Corr	0.002	0.002	0.000
30	A89_Biased	0.002	0.002	0.000
30	B8_Biased	0.002	0.002	0.000
30	B9_Biased	0.002	0.001	0.001
30	C7_Biased	0.002	0.002	0.000
30	C9_Biased	0.002	0.002	0.000
30	A90_Unbiased	0.002	0.001	0.001
30	B10_Unbiased	0.002	0.001	0.001
30	B11_Unbiased	0.002	0.001	0.001
30	C11_Unbiased	0.002	0.001	0.001
30	C12_Unbiased	0.002	0.001	0.001
0	106_Corr	0.035	0.035	0.000
0	15B_Corr	0.026	0.026	0.000
50	A92_Biased	0.002	0.059	-0.057
50	A93_Biased	0.002	0.059	-0.057
50	B12_Biased	0.002	0.071	-0.069
50	B13_Biased	0.002	0.090	-0.088
50	C14_Biased	0.002	0.093	-0.091
50	A95_Unbiased	0.002	0.068	-0.066
50	A96_Unbiased	0.002	0.070	-0.068
50	B15_Unbiased	0.002	0.054	-0.052
50	B16_Unbiased	0.002	0.073	-0.071
50	C15_Unbiased	0.002	0.073	-0.071
0	106_Corr	0.032	0.033	-0.031
100	A97_Biased	0.002	0.001	0.001
100	A99_Biased	0.002	0.001	0.001
100	A100_Biased	0.002	0.001	0.001
100	A101_Biased	0.002	0.001	0.001
100	A102_Biased	0.002	0.001	0.001
100	A104_Biased	0.002	0.003	-0.001
100	A105_Biased	0.002	0.000	0.002
100	B17_Biased	0.002	0.000	0.002
100	B18_Biased	0.002	0.001	0.001
100	B19_Biased	0.002	0.000	0.002
100	B20_Biased	0.003	0.001	0.002
100	B21_Biased	0.002	0.000	0.002
100	B24_Biased	0.002	0.001	0.001
100	B25_Biased	0.002	0.001	0.001
100	B26_Biased	0.002	0.001	0.001
100	C16_Biased	0.002	0.001	0.001
100	C17_Biased	0.002	0.000	0.002
100	C18_Biased	0.002	0.001	0.001
100	C19_Biased	0.002	0.001	0.001
100	C25_Biased	0.002	0.001	0.001
100	C26_Biased	0.002	0.001	0.001
100	C31_Biased	0.002	0.000	0.002
100	A107_Unbiased	0.002	0.002	0.000
100	A108_Unbiased	0.002	0.000	0.002
100	A109_Unbiased	0.002	0.000	0.002
100	A110_Unbiased	0.002	0.000	0.002
100	A111_Unbiased	0.002	0.002	0.000
100	A112_Unbiased	0.002	0.001	0.001
100	A113_Unbiased	0.002	0.000	0.002
100	B27_Unbiased	0.002	0.001	0.001
100	B29_Unbiased	0.002	0.001	0.001
100	B30_Unbiased	0.002	0.001	0.001
100	B31_Unbiased	0.002	0.001	0.001
100	B32_Unbiased	0.027	0.001	0.026
100	B33_Unbiased	0.002	0.001	0.001
100	B34_Unbiased	0.002	0.001	0.001
100	B35_Unbiased	0.002	0.001	0.001
100	C32_Unbiased	0.002	0.000	0.002
100	C33_Unbiased	0.002	0.001	0.001
100	C34_Unbiased	0.002	0.001	0.001
100	C35_Unbiased	0.002	0.002	0.000
100	C36_Unbiased	0.002	0.000	0.002
100	C37_Unbiased	0.002	0.000	0.002
100	C38_Unbiased	0.002	0.001	0.001
	Max	0.035	0.093	0.026
	Average	0.003	0.010	-0.007
	Min	0.001	0.000	-0.091
	Std Dev	0.006	0.023	0.023

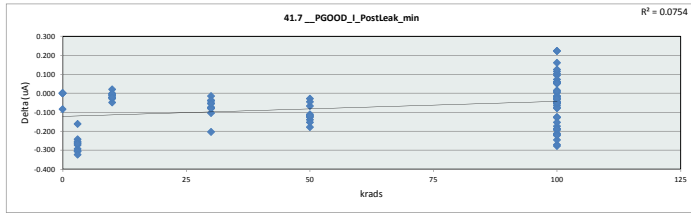


41.6_VLDOin_PostLeak_min						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	50	uA				
Min Limit	-50	uA				
krads	0	3	10	30	50	100
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	0.001	0.000	0.002	0.001	0.054	0.001
Average	0.019	0.001	0.003	0.001	0.071	0.001
Max	0.035	0.001	0.003	0.002	0.093	0.003
UL	50.000	50.000	50.000	50.000	50.000	50.000

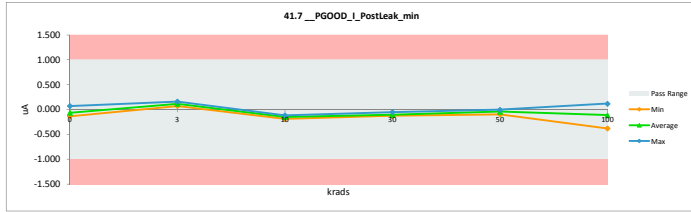


TID 100krad LDR Report
TPS7H3301-SP

41.7_PGOOD_I_PostLeak_min				
Test Site	Dallas, TX	Dallas, TX		
Tester	ETS	ETS		
Test Number	EF636800	EF636800		
Unit	uA	uA		
Max Limit	1			
Min Limit	-1	-1		
krads	Serial #	PreRad_LDR	PostRad_LDR	
0	C35_Corr	0.069	0.069	0.000
3	A79_Biased	-0.140	0.119	-0.260
3	A80_Biased	-0.170	0.072	-0.243
3	B1_Biased	-0.089	0.072	-0.161
3	B2_Biased	-0.172	0.130	-0.302
3	C1_Biased	-0.173	0.119	-0.292
3	A82_Unbiased	-0.153	0.119	-0.272
3	A83_Unbiased	-0.158	0.149	-0.307
3	B4_Unbiased	-0.092	0.161	-0.253
3	B5_Unbiased	-0.189	0.133	-0.322
3	C2_Unbiased	-0.172	0.094	-0.266
10	A85_Biased	-0.142	-0.131	-0.011
10	A86_Biased	-0.148	-0.147	-0.002
10	B6_Biased	-0.154	-0.131	-0.023
10	C3_Biased	-0.175	-0.153	-0.022
10	C4_Biased	-0.123	-0.115	-0.008
10	A87_Unbiased	-0.167	-0.187	0.020
10	A88_Unbiased	-0.201	-0.153	-0.048
10	B7_Unbiased	-0.136	-0.133	-0.003
10	C5_Unbiased	-0.181	-0.153	-0.028
10	C6_Unbiased	-0.190	-0.170	-0.020
0	106_Corr	-0.133	-0.133	0.000
30	A89_Biased	-0.148	-0.098	-0.051
30	B8_Biased	-0.150	-0.077	-0.073
30	B9_Biased	-0.164	-0.124	-0.040
30	C7_Biased	-0.187	-0.112	-0.076
30	C9_Biased	-0.212	-0.109	-0.104
30	A90_Unbiased	-0.134	-0.119	-0.015
30	B10_Unbiased	-0.164	-0.084	-0.080
30	B11_Unbiased	-0.162	-0.126	-0.037
30	C11_Unbiased	-0.178	-0.123	-0.055
30	C12_Unbiased	-0.254	-0.051	-0.204
0	106_Corr	-0.104	-0.104	0.000
0	158_Corr	-0.099	-0.099	0.000
50	A92_Biased	-0.204	-0.027	-0.177
50	A93_Biased	-0.120	-0.010	-0.110
50	B12_Biased	-0.117	-0.051	-0.066
50	B13_Biased	-0.073	-0.046	-0.027
50	C14_Biased	-0.179	-0.040	-0.140
50	A95_Unbiased	-0.176	-0.051	-0.126
50	A96_Unbiased	-0.156	-0.004	-0.152
50	B15_Unbiased	-0.139	-0.094	-0.044
50	B16_Unbiased	-0.159	-0.038	-0.121
50	C15_Unbiased	-0.175	-0.057	-0.118
0	106_Corr	-0.133	-0.133	-0.083
100	A97_Biased	-0.137	-0.232	0.094
100	A99_Biased	-0.181	-0.055	-0.126
100	A100_Biased	-0.179	-0.230	0.051
100	A101_Biased	-0.183	-0.163	-0.020
100	A102_Biased	-0.175	-0.235	0.060
100	A104_Biased	-0.165	-0.119	-0.046
100	A105_Biased	-0.145	-0.249	0.104
100	B17_Biased	-0.164	0.113	-0.277
100	B18_Biased	-0.159	-0.221	0.162
100	B19_Biased	-0.154	-0.227	0.073
100	B20_Biased	-0.114	0.059	-0.173
100	B21_Biased	-0.151	0.120	-0.271
100	B24_Biased	-0.187	-0.247	0.060
100	B25_Biased	-0.153	-0.027	-0.126
100	B26_Biased	-0.193	-0.179	-0.015
100	C16_Biased	-0.226	-0.147	-0.079
100	C17_Biased	-0.197	-0.200	0.004
100	C18_Biased	-0.220	-0.093	-0.127
100	C19_Biased	-0.128	-0.113	-0.015
100	C25_Biased	-0.170	-0.137	-0.034
100	C26_Biased	-0.212	-0.272	0.060
100	C31_Biased	-0.130	-0.183	0.054
100	A107_Unbiased	-0.090	-0.026	-0.065
100	A108_Unbiased	-0.154	-0.171	0.016
100	A109_Unbiased	-0.140	0.071	-0.212
100	A110_Unbiased	-0.120	-0.235	0.115
100	A111_Unbiased	-0.154	-0.379	0.224
100	A112_Unbiased	-0.165	-0.113	-0.052
100	A113_Unbiased	-0.150	0.095	-0.245
100	B27_Unbiased	-0.117	-0.091	-0.026
100	B29_Unbiased	-0.162	0.024	-0.187
100	B30_Unbiased	-0.167	-0.015	-0.152
100	B31_Unbiased	-0.201	-0.125	-0.076
100	B32_Unbiased	-0.106	-0.051	-0.056
100	B33_Unbiased	-0.140	0.076	-0.216
100	B34_Unbiased	-0.092	-0.001	-0.193
100	B35_Unbiased	-0.128	-0.352	0.224
100	C32_Unbiased	-0.161	-0.286	0.126
100	C33_Unbiased	-0.115	-0.072	-0.043
100	C34_Unbiased	-0.142	0.079	-0.221
100	C35_Unbiased	-0.156	-0.108	-0.048
100	C36_Unbiased	-0.140	-0.113	-0.027
100	C37_Unbiased	-0.170	0.018	-0.188
100	C38_Unbiased	-0.158	-0.169	0.012
	Max	0.069	0.161	0.224
	Average	-0.153	-0.074	-0.074
	Min	-0.254	-0.379	-0.322
	Std Dev	0.041	0.122	0.120



41.7_PGOOD_I_PostLeak_min						
Test Site	Dallas, TX					
Tester	ETS					
Test Number	EF636800					
Max Limit	1	uA				
Min Limit	-1	uA				
krads	0	3	10	30	50	100
LL	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Min	-0.134	0.072	-0.187	-0.126	-0.095	-0.379
Average	-0.064	0.117	-0.147	-0.102	-0.042	-0.113
Max	0.069	0.161	-0.115	-0.051	-0.004	0.120
UL	1.000	1.000	1.000	1.000	1.000	1.000



TID ELDRS Report for TPS7H3301-RHA

Data

50KRad and 100KRad

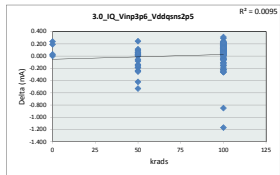
HDR and LDR drift for 50krad and 100krad are compared with plots and data shows that the device does not exhibit any ELDRS up to 100KRad. Please see charts in next pages.

Delta Threshold 10.00%

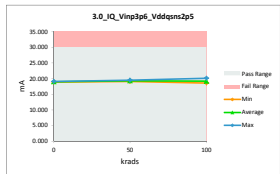
TID ELDRS Sensitivity Report (50k & 100k)
TPS7H3301-SP

TID ELDRS Sensitivity Report (50k & 100k)
TPS7H3301-SP

3.0_IQ_Vinp3p6_Vddqns2p5					
Test Site	Dallas, Tx		Dallas, Tx		
Tester	ETS		ETS		
Test Number	EF636800		EF636800		
Part	m8		m8		
Max Limit	30		30		
Min Limit	0.1		0.1		
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median
0	374_Corr	19.306	19.071	0.235	
50	A120_Biased_HDR	19.157	19.091	0.066	
50	A120_Unbiased_HDR	19.210	19.190	0.020	
50	B48_Biased_HDR	19.030	19.272	-0.242	
50	B49_Unbiased_HDR	19.193	19.380	-0.187	
50	C51_Biased_HDR	19.219	19.209	0.110	
50	A130_Unbiased_HDR	19.227	19.413	-0.186	-0.140
50	A131_Unbiased_HDR	19.193	19.176	0.018	
50	B50_Unbiased_HDR	19.249	19.389	-0.140	
50	B51_Unbiased_HDR	18.925	19.349	-0.424	
50	C53_Unbiased_HDR	19.210	19.071	0.239	
0	106_Corr	19.189	19.002	0.187	
100	A132_Biased_HDR	18.840	19.100	-0.260	0.057
100	A134_Biased_HDR	18.970	20.140	-1.170	1.289
100	A135_Biased_HDR	19.046	19.030	0.016	
100	B82_Biased_HDR	18.924	18.970	-0.046	
100	B84_Biased_HDR	19.029	19.062	-0.033	
100	B85_Biased_HDR	18.795	18.952	-0.157	
100	B86_Biased_HDR	19.381	19.350	0.031	
100	B87_Biased_HDR	18.778	18.900	-0.212	
100	B89_Biased_HDR	18.987	19.224	-0.237	
100	B82_Unbiased_HDR	19.650	19.472	0.178	
100	B83_Unbiased_HDR	19.239	19.108	0.131	
100	B84_Unbiased_HDR	19.393	19.328	0.065	
100	B86_Unbiased_HDR	19.330	19.169	0.161	
100	B88_Unbiased_HDR	19.231	19.109	0.122	
100	C54_Biased_HDR	19.309	19.179	0.130	
100	C55_Biased_HDR	19.023	18.891	0.132	
100	C56_Biased_HDR	19.210	19.161	0.049	
100	C57_Biased_HDR	19.001	18.958	0.043	
100	C58_Biased_HDR	19.478	19.299	0.179	
100	C59_Biased_HDR	19.155	19.029	0.126	
100	C45_Unbiased_HDR	19.182	19.001	0.181	
100	C47_Unbiased_HDR	19.099	18.890	0.209	
100	A122_Unbiased_HDR	19.095	19.312	-0.217	0.161
100	A123_Unbiased_HDR	18.785	18.902	-0.117	0.283
100	A129_Unbiased_HDR	18.901	19.119	-0.218	
100	B40_Unbiased_HDR	19.454	19.243	0.211	
100	B43_Unbiased_HDR	19.244	19.104	0.140	
100	B49_Unbiased_HDR	19.454	19.167	0.287	
100	B70_Unbiased_HDR	19.264	19.118	0.146	
100	B71_Unbiased_HDR	19.097	18.958	0.161	
100	B72_Unbiased_HDR	19.370	19.192	0.178	
100	B73_Unbiased_HDR	19.328	19.186	0.142	
100	B74_Unbiased_HDR	19.326	19.018	0.308	
100	B77_Unbiased_HDR	19.242	19.215	0.027	
100	B78_Unbiased_HDR	19.366	19.300	0.066	
100	B79_Unbiased_HDR	19.126	19.044	0.082	
100	B80_Unbiased_HDR	19.299	19.127	0.172	
100	C70_Unbiased_HDR	19.201	18.958	0.243	
100	C71_Unbiased_HDR	19.151	18.925	0.226	
100	C72_Unbiased_HDR	19.147	18.957	0.190	
100	C73_Unbiased_HDR	19.262	19.059	0.203	
100	C75_Unbiased_HDR	19.012	18.785	0.227	
100	C76_Unbiased_HDR	19.235	19.074	0.161	
100	C79_Unbiased_HDR	19.299	19.216	0.083	
0	108_Corr	18.936	18.936	0.000	
50	A92_Biased_LDR	19.488	19.480	0.008	-0.084
50	A93_Biased_LDR	19.204	19.113	0.091	
50	B12_Biased_LDR	19.391	19.550	-0.159	
50	B13_Biased_LDR	18.923	19.456	-0.533	
50	C14_Biased_LDR	19.254	19.238	0.016	
50	A95_Unbiased_LDR	19.426	19.377	0.049	-0.006
50	B46_Unbiased_LDR	19.303	19.309	-0.006	
50	B75_Unbiased_LDR	19.341	19.398	-0.057	
50	B16_Unbiased_LDR	19.597	19.550	0.047	
50	C15_Unbiased_LDR	19.404	19.440	-0.036	
0	106_Corr	19.092	19.063	0.029	
100	A97_Biased_LDR	19.553	19.385	0.168	0.074
100	A100_Biased_LDR	19.201	19.104	0.097	
100	A101_Biased_LDR	19.469	19.388	0.081	
100	A101_Unbiased_LDR	19.429	19.224	0.205	
100	A102_Biased_LDR	19.451	19.263	0.188	
100	A104_Biased_LDR	18.645	18.827	-0.182	
100	A105_Biased_LDR	19.146	19.034	0.112	
100	B17_Biased_LDR	19.220	19.206	-0.106	
100	B18_Biased_LDR	19.223	19.286	-0.063	
100	B19_Biased_LDR	19.013	19.278	-0.265	
100	B20_Biased_LDR	19.336	19.233	0.103	
100	B21_Biased_LDR	19.502	19.379	0.123	
100	B24_Biased_LDR	19.034	19.092	-0.058	
100	B25_Biased_LDR	19.178	19.105	0.073	
100	B26_Biased_LDR	18.994	19.051	-0.057	
100	C16_Biased_LDR	19.226	19.117	0.109	
100	C17_Biased_LDR	19.438	19.323	0.115	
100	C18_Biased_LDR	19.055	19.033	0.022	
100	C19_Biased_LDR	19.102	19.118	-0.016	
100	C25_Biased_LDR	19.481	19.471	0.010	
100	C26_Biased_LDR	19.051	19.088	-0.047	
100	C31_Biased_LDR	19.398	19.324	0.074	
100	A107_Unbiased_LDR	19.410	19.357	0.053	0.046
100	A108_Unbiased_LDR	18.650	19.619	0.031	
100	A109_Unbiased_LDR	18.678	18.595	0.083	
100	A110_Unbiased_LDR	19.100	19.089	0.011	
100	A111_Unbiased_LDR	19.225	19.126	0.099	
100	A112_Unbiased_LDR	19.223	19.291	-0.068	
100	A113_Unbiased_LDR	19.111	19.262	-0.151	
100	B27_Unbiased_LDR	19.064	19.114	-0.050	
100	B29_Unbiased_LDR	19.293	19.201	0.092	
100	B30_Unbiased_LDR	19.573	19.354	0.219	
100	B31_Unbiased_LDR	19.059	19.101	-0.132	
100	B32_Unbiased_LDR	19.610	19.394	0.216	
100	B33_Unbiased_LDR	19.089	19.352	-0.263	
100	B34_Unbiased_LDR	19.382	19.268	0.114	
100	B35_Unbiased_LDR	19.442	19.384	0.058	
100	C32_Unbiased_LDR	19.238	19.193	0.045	
100	C33_Unbiased_LDR	19.354	19.328	0.026	
100	C34_Unbiased_LDR	19.458	19.410	0.048	
100	C35_Unbiased_LDR	19.074	19.075	-0.001	
100	C36_Unbiased_LDR	19.043	19.029	0.014	
100	C37_Unbiased_LDR	19.353	19.307	0.046	
100	C38_Unbiased_LDR	19.234	19.200	0.134	
Max	19.650	20.140	0.308		
Average	19.215	19.200	0.015		
Min	18.645	18.595	-1.170		
Std Dev	0.204	0.211	0.208		



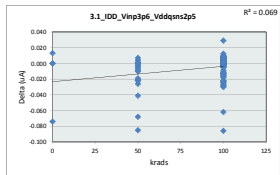
3.0_IQ_Vinp3p6_Vddqns2p5					
Test Site	Dallas, Tx		Dallas, Tx		
Tester	ETS		ETS		
Test Number	EF636800		EF636800		
Max Limit	30		30		
Min Limit	0.1		0.1		
LL	0.100	0.100	0.100		
Min	18.936	19.071	18.995		
Average	19.018	19.128	19.179		
Max	19.071	19.550	20.140		
UL	30.000	30.000	30.000		



TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

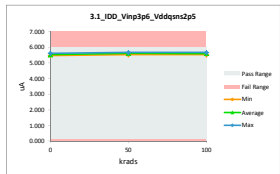
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Unit	uA	
Max Limit	6	
Min Limit	0.1	

Krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	5.548	5.622	-0.074		
50	A128_Biased_HDR	5.622	5.622	0.000	-0.009	0.556
50	A129_Biased_HDR	5.617	5.626	-0.009		
50	B48_Biased_HDR	5.605	5.626	-0.021		
50	B49_Biased_HDR	5.601	5.627	-0.026		
50	C51_Biased_HDR	5.638	5.634	0.004		
50	A130_Unbiased_HDR	5.602	5.624	-0.022	-0.022	0.273
50	A133_Unbiased_HDR	5.619	5.649	-0.010		
50	B50_Unbiased_HDR	5.615	5.637	-0.022		
50	B51_Unbiased_HDR	5.550	5.635	-0.085		
50	C53_Unbiased_HDR	5.535	5.538	0.003		
0	106_Corr	5.512	5.499	0.013		
100	A132_Biased_HDR	5.585	5.607	-0.022	0.004	-0.571
100	A134_Biased_HDR	5.586	5.672	-0.086		
100	A135_Biased_HDR	5.553	5.566	-0.013		
100	B82_Biased_HDR	5.551	5.551	0.000		
100	B84_Biased_HDR	5.619	5.632	-0.013		
100	B85_Biased_HDR	5.586	5.610	-0.024		
100	B86_Biased_HDR	5.609	5.606	0.003		
100	B87_Biased_HDR	5.536	5.561	-0.025		
100	B89_Biased_HDR	5.606	5.634	-0.028		
100	B82_Unbiased_HDR	5.626	5.619	0.007		
100	B84_Unbiased_HDR	5.604	5.598	0.006		
100	B84_Biased_HDR	5.635	5.629	0.006		
100	B86_Biased_HDR	5.640	5.632	0.008		
100	B86_Unbiased_HDR	5.638	5.630	0.008		
100	C54_Biased_HDR	5.628	5.620	0.008		
100	C55_Biased_HDR	5.544	5.640	0.004		
100	C56_Biased_HDR	5.618	5.618	0.000		
100	C57_Biased_HDR	5.549	5.542	0.007		
100	C58_Biased_HDR	5.568	5.563	0.005		
100	C59_Biased_HDR	5.576	5.572	0.004		
100	C45_Biased_HDR	5.569	5.569	0.000		
100	C67_Biased_HDR	5.534	5.529	0.005		
100	A122_Unbiased_HDR	5.593	5.616	-0.023	0.006	-0.333
100	A138_Unbiased_HDR	5.515	5.531	-0.016		
100	A139_Unbiased_HDR	5.596	5.623	-0.027		
100	B60_Unbiased_HDR	5.629	5.623	0.006		
100	B61_Unbiased_HDR	5.631	5.602	0.029		
100	B62_Unbiased_HDR	5.629	5.623	0.006		
100	B70_Unbiased_HDR	5.631	5.627	0.004		
100	B71_Unbiased_HDR	5.583	5.586	0.003		
100	B72_Unbiased_HDR	5.612	5.604	0.008		
100	B73_Unbiased_HDR	5.613	5.605	0.008		
100	B74_Unbiased_HDR	5.587	5.579	0.008		
100	B77_Unbiased_HDR	5.571	5.571	0.000		
100	B78_Unbiased_HDR	5.635	5.633	0.002		
100	B79_Unbiased_HDR	5.633	5.627	0.006		
100	B80_Unbiased_HDR	5.592	5.585	0.007		
100	C70_Unbiased_HDR	5.576	5.572	0.004		
100	C71_Unbiased_HDR	5.559	5.549	0.010		
100	C72_Unbiased_HDR	5.587	5.583	0.004		
100	C73_Unbiased_HDR	5.610	5.602	0.008		
100	C75_Unbiased_HDR	5.557	5.549	0.008		
100	C76_Unbiased_HDR	5.599	5.596	0.003		
100	C79_Unbiased_HDR	5.614	5.613	0.001		
0	108_Corr	5.482	5.482	0.000		
50	A92_Biased_LDR	5.631	5.634	-0.003	-0.005	
50	A93_Biased_LDR	5.590	5.589	0.001		
50	B12_Biased_LDR	5.622	5.641	-0.019		
50	B13_Biased_LDR	5.630	5.671	-0.041		
50	C14_Biased_LDR	5.584	5.589	-0.005		
50	A95_Unbiased_LDR	5.655	5.657	-0.002	-0.006	
50	B96_Unbiased_LDR	5.608	5.614	-0.006		
50	B95_Unbiased_LDR	5.625	5.634	-0.009		
50	B16_Unbiased_LDR	5.631	5.630	0.001		
50	C15_Unbiased_LDR	5.535	5.603	-0.068		
0	106_Corr	5.506	5.506	0.000		
100	A99_Biased_LDR	5.658	5.652	0.006	-0.002	
100	A99_Unbiased_LDR	5.588	5.593	-0.005		
100	A100_Biased_LDR	5.616	5.618	-0.002		
100	A101_Biased_LDR	5.610	5.604	0.006		
100	A102_Biased_LDR	5.603	5.591	0.012		
100	A104_Biased_LDR	5.560	5.578	-0.018		
100	A105_Biased_LDR	5.614	5.611	0.003		
100	B71_Unbiased_HDR	5.589	5.603	-0.014		
100	B18_Biased_LDR	5.592	5.604	-0.012		
100	B19_Biased_LDR	5.615	5.644	-0.029		
100	B20_Biased_LDR	5.629	5.630	-0.001		
100	B21_Biased_LDR	5.635	5.636	-0.001		
100	B24_Biased_LDR	5.600	5.617	-0.017		
100	B25_Biased_LDR	5.577	5.575	0.002		
100	B26_Biased_LDR	5.551	5.566	-0.015		
100	C16_Biased_LDR	5.536	5.539	-0.003		
100	C17_Biased_LDR	5.599	5.601	-0.002		
100	C18_Biased_LDR	5.581	5.580	0.001		
100	C19_Biased_LDR	5.594	5.597	-0.003		
100	C25_Biased_LDR	5.583	5.588	-0.005		
100	C26_Biased_LDR	5.549	5.549	0.000		
100	C31_Biased_LDR	5.584	5.585	-0.001		
100	A107_Unbiased_LDR	5.594	5.597	-0.003	-0.002	
100	A108_Unbiased_LDR	5.633	5.634	-0.001		
100	A109_Unbiased_LDR	5.550	5.553	-0.003		
100	A110_Unbiased_LDR	5.612	5.611	0.001		
100	A111_Unbiased_LDR	5.630	5.632	-0.002		
100	A112_Unbiased_LDR	5.621	5.630	-0.009		
100	A113_Unbiased_LDR	5.598	5.620	-0.022		
100	B27_Unbiased_LDR	5.577	5.639	-0.062		
100	B29_Unbiased_LDR	5.622	5.627	-0.005		
100	B30_Unbiased_LDR	5.639	5.632	0.007		
100	B31_Unbiased_LDR	5.611	5.622	-0.011		
100	B32_Unbiased_LDR	5.637	5.628	0.009		
100	B33_Unbiased_LDR	5.604	5.634	-0.030		
100	B34_Unbiased_LDR	5.622	5.624	-0.002		
100	B35_Unbiased_LDR	5.639	5.639	0.000		
100	C30_Unbiased_LDR	5.536	5.539	-0.003		
100	C33_Unbiased_LDR	5.582	5.578	0.004		
100	C34_Unbiased_LDR	5.634	5.636	-0.002		
100	C35_Unbiased_LDR	5.538	5.537	0.001		
100	C36_Unbiased_LDR	5.535	5.539	-0.004		
100	C37_Unbiased_LDR	5.594	5.593	0.001		
100	C38_Unbiased_LDR	5.617	5.617	0.000		
	Max	5.658	5.672	0.029		
	Average	5.594	5.600	-0.006		
	Min	5.482	5.482	-0.006		
	Std Dev	0.036	0.037	0.019		



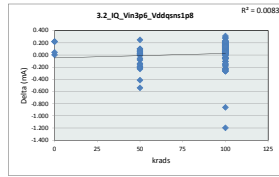
Test Site	Dallas, Tx	
Tester	ETS	
Test Number	EF636800	
Unit	uA	
Max Limit	6	
Min Limit	0.1	

LL	0.100	0.100	0.100
Min	5.482	5.528	5.529
Average	5.527	5.623	5.599
Max	5.622	5.671	5.672
UL	6.000	6.000	6.000

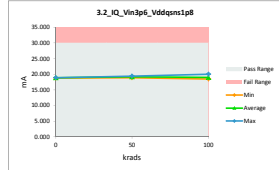


TID ELDRS Sensitivity Report (50k & 100k)
TPS7H3301-SP

3.2_IQ_VinSp6_Vddqns1p8						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	m8		m8			
Max Limit	30		30			
Min Limit	0.1		0.1			
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	19.134	18.914	0.220		
50	A120_Biased_HDR	19.011	18.943	0.068	0.014	-6.071
50	A120_Unbiased_HDR	19.058	19.044	0.014		
50	B48_Biased_HDR	18.866	19.096	-0.230		
50	B49_Unbiased_HDR	19.034	19.235	-0.201		
50	C51_Biased_HDR	19.147	19.047	0.100		
50	A130_Unbiased_HDR	19.064	19.253	-0.189	-0.142	0.085
50	A131_Unbiased_HDR	19.047	19.032	0.015		
50	B50_Unbiased_HDR	19.097	19.239	-0.142		
50	B51_Unbiased_HDR	18.773	19.190	-0.417		
50	C53_Unbiased_HDR	19.167	18.910	0.248		
0	106_Corr	19.025	18.812	0.213		
100	A132_Biased_HDR	18.683	18.946	-0.263	0.081	0.932
100	A134_Biased_HDR	18.803	20.003	-1.200		
100	A135_Biased_HDR	18.832	18.850	-0.018		
100	B82_Biased_HDR	18.772	18.818	-0.046		
100	B84_Biased_HDR	18.868	18.910	-0.042		
100	B85_Biased_HDR	18.636	18.802	-0.166		
100	B86_Biased_HDR	19.223	19.195	0.028		
100	B87_Biased_HDR	18.615	18.852	-0.237		
100	B89_Biased_HDR	18.820	19.067	-0.247		
100	B82_Unbiased_HDR	19.495	19.318	0.177		
100	B83_Unbiased_HDR	19.083	18.950	0.133		
100	B84_Unbiased_HDR	19.234	19.166	0.068		
100	B86_Unbiased_HDR	19.173	19.010	0.163		
100	B88_Unbiased_HDR	19.055	18.904	0.151		
100	C54_Biased_HDR	19.153	19.024	0.129		
100	C55_Biased_HDR	18.856	18.752	0.104		
100	C56_Biased_HDR	19.049	18.955	0.094		
100	C57_Biased_HDR	18.858	18.817	0.041		
100	C58_Biased_HDR	19.292	19.121	0.171		
100	C59_Biased_HDR	18.995	18.852	0.143		
100	C45_Biased_HDR	19.031	18.852	0.179		
100	C47_Biased_HDR	18.957	18.749	0.208		
100	A122_Unbiased_HDR	18.932	19.156	-0.224	0.159	0.273
100	A138_Unbiased_HDR	18.640	18.753	-0.113		
100	A139_Unbiased_HDR	18.741	18.968	-0.227		
100	B80_Unbiased_HDR	19.303	19.083	0.220		
100	B83_Unbiased_HDR	19.108	18.940	0.168		
100	B84_Unbiased_HDR	19.303	19.016	0.287		
100	B80_Unbiased_HDR	19.108	18.959	0.149		
100	B71_Unbiased_HDR	18.902	18.757	0.145		
100	B72_Unbiased_HDR	19.214	19.035	0.179		
100	B73_Unbiased_HDR	19.173	19.028	0.145		
100	B74_Unbiased_HDR	19.173	18.866	0.307		
100	B77_Unbiased_HDR	19.088	19.058	0.030		
100	B78_Unbiased_HDR	19.205	19.139	0.066		
100	B79_Unbiased_HDR	18.972	18.891	0.081		
100	B80_Unbiased_HDR	19.145	18.969	0.176		
100	C70_Unbiased_HDR	19.015	18.747	0.268		
100	C71_Unbiased_HDR	18.981	18.775	0.206		
100	C72_Unbiased_HDR	18.963	18.790	0.173		
100	C73_Unbiased_HDR	19.113	18.911	0.202		
100	C75_Unbiased_HDR	18.860	18.632	0.228		
100	C76_Unbiased_HDR	19.077	18.926	0.151		
100	C79_Unbiased_HDR	19.104	19.047	0.057		
0	188_Corr	18.791	18.791	0.000		
50	A92_Biased_LDR	19.336	19.330	0.006	-0.085	
50	A93_Biased_LDR	18.967	18.962	0.005		
50	B12_Biased_LDR	19.239	19.402	-0.163		
50	B13_Biased_LDR	18.769	19.309	-0.540		
50	C14_Biased_LDR	19.110	19.109	-0.085		
50	A95_Unbiased_LDR	19.278	19.230	0.048	-0.012	
50	A96_Unbiased_LDR	19.147	19.159	-0.012		
50	B15_Unbiased_LDR	19.185	19.244	-0.059		
50	B16_Unbiased_LDR	19.445	19.398	0.047		
50	C15_Unbiased_LDR	19.030	19.256	-0.227		
0	106_Corr	18.932	18.892	0.040		
100	A99_Biased_LDR	19.407	19.234	0.173	0.076	
100	A100_Biased_LDR	19.041	18.951	0.090		
100	A101_Biased_LDR	19.321	19.241	0.080		
100	A101_Unbiased_LDR	19.279	19.066	0.213		
100	A102_Biased_LDR	19.299	19.111	0.188		
100	A104_Biased_LDR	18.498	18.680	-0.182		
100	A105_Biased_LDR	18.996	18.883	0.113		
100	B17_Biased_LDR	19.062	19.108	-0.106		
100	B18_Biased_LDR	19.073	19.137	-0.064		
100	B19_Biased_LDR	18.855	19.121	-0.266		
100	B20_Biased_LDR	19.187	19.077	0.110		
100	B21_Biased_LDR	19.347	19.224	0.123		
100	B24_Biased_LDR	18.885	18.945	-0.060		
100	B25_Biased_LDR	19.028	18.956	0.072		
100	B26_Biased_LDR	18.839	18.900	-0.061		
100	C16_Biased_LDR	19.055	18.976	0.079		
100	C17_Biased_LDR	19.275	19.162	0.113		
100	C18_Biased_LDR	18.903	18.880	0.023		
100	C19_Biased_LDR	18.957	18.965	-0.008		
100	C25_Biased_LDR	19.321	19.324	-0.003		
100	C26_Biased_LDR	18.894	18.892	0.002		
100	C31_Biased_LDR	19.233	19.134	0.099		
100	A107_Unbiased_LDR	19.261	19.210	0.051	0.044	
100	A108_Unbiased_LDR	19.489	19.458	0.031		
100	A109_Unbiased_LDR	18.532	18.450	0.082		
100	A110_Unbiased_LDR	18.952	18.938	0.014		
100	A111_Unbiased_LDR	19.070	18.971	0.099		
100	A112_Unbiased_LDR	19.069	19.135	-0.066		
100	A113_Unbiased_LDR	18.955	19.111	-0.156		
100	B27_Unbiased_LDR	18.915	19.179	-0.864		
100	B29_Unbiased_LDR	19.134	19.038	0.096		
100	B30_Unbiased_LDR	19.422	19.198	0.224		
100	B31_Unbiased_LDR	18.890	19.034	-0.144		
100	B32_Unbiased_LDR	19.454	19.234	0.220		
100	B33_Unbiased_LDR	18.930	19.199	-0.269		
100	B34_Unbiased_LDR	19.222	19.110	0.112		
100	B35_Unbiased_LDR	19.287	19.234	0.053		
100	C32_Unbiased_LDR	19.097	19.049	0.048		
100	C33_Unbiased_LDR	19.196	19.171	0.025		
100	C34_Unbiased_LDR	19.301	19.249	0.052		
100	C35_Unbiased_LDR	18.929	18.898	0.031		
100	C36_Unbiased_LDR	18.897	18.886	0.011		
100	C37_Unbiased_LDR	19.183	19.144	0.039		
100	C38_Unbiased_LDR	19.184	19.049	0.135		
	Max	19.495	20.003	0.307		
	Average	19.058	19.043	0.015		
	Min	18.498	18.450	-1.200		
	Std Dev	0.204	0.214	0.211		



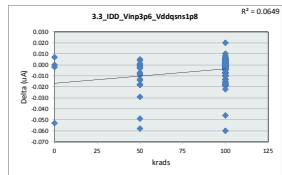
3.2_IQ_VinSp6_Vddqns1p8						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Max Limit	30		30			
Min Limit	0.1		0.1			
krads	LL	Min	Average	Max	UL	
	0.100	0.100	0.100	0.100		
	18.791	18.919	18.450	18.450		
	18.852	19.174	19.022	19.022		
	18.914	19.402	20.003	20.003		
	30.000	30.000	30.000	30.000		



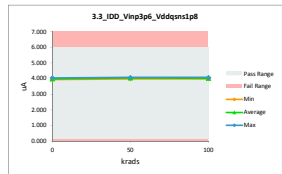
TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

3.3_IDD_Vinp3p6_Vddqsns1p8			
Test Site	Dallas, TX		Dallas, TX
Tester	ETS		ETS
Test Number	EF636800		EF636800
Unit	uA		uA
Max Limit	6		6
Min Limit	0.1		0.1

Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	3.989	4.042	-0.053		
50	A126_Biased_HDR	4.042	4.042	0.000	-0.008	0.375
50	A126_Unbiased_HDR	4.038	4.046	-0.008		
50	B48_Biased_HDR	4.029	4.047	-0.018		
50	B49_Biased_HDR	4.027	4.045	-0.018		
50	C51_Biased_HDR	4.053	4.049	0.004		
50	A130_Unbiased_HDR	4.028	4.046	-0.018	-0.014	0.214
50	A133_Unbiased_HDR	4.039	4.048	-0.009		
50	B50_Unbiased_HDR	4.037	4.051	-0.014		
50	B51_Unbiased_HDR	3.991	4.049	-0.058		
50	C53_Unbiased_HDR	3.979	3.974	0.005		
0	106_Corr	3.943	3.956	-0.007		
100	A132_Biased_HDR	4.015	4.033	-0.018	-0.001	3.999
100	A134_Biased_HDR	4.016	4.076	-0.060		
100	A135_Biased_HDR	3.994	4.002	-0.008		
100	B52_Biased_HDR	3.989	3.991	-0.002		
100	B54_Biased_HDR	4.040	4.050	-0.010		
100	B55_Biased_HDR	4.016	4.035	-0.019		
100	B56_Biased_HDR	4.032	4.035	-0.003		
100	B57_Biased_HDR	3.981	3.998	-0.017		
100	B59_Biased_HDR	4.030	4.049	-0.019		
100	B62_Biased_HDR	4.044	4.042	0.002		
100	B63_Biased_HDR	4.028	4.022	0.002		
100	B64_Biased_HDR	4.050	4.049	0.001		
100	B66_Biased_HDR	4.054	4.049	0.005		
100	B68_Biased_HDR	4.052	4.050	0.002		
100	C54_Biased_HDR	4.045	4.043	0.002		
100	C55_Biased_HDR	3.986	3.984	0.002		
100	C56_Biased_HDR	4.038	4.040	-0.002		
100	C57_Biased_HDR	3.989	3.985	0.004		
100	C58_Biased_HDR	4.002	3.997	0.005		
100	C59_Biased_HDR	4.009	4.010	-0.001		
100	C45_Biased_HDR	4.003	4.003	0.000		
100	C47_Biased_HDR	3.979	3.975	0.004		
100	A122_Unbiased_HDR	4.021	4.039	-0.018	0.002	-0.750
100	A138_Unbiased_HDR	3.964	3.977	-0.013		
100	A139_Unbiased_HDR	4.024	4.040	-0.016		
100	B60_Unbiased_HDR	4.046	4.044	0.002		
100	B61_Unbiased_HDR	4.047	4.027	0.020		
100	B65_Unbiased_HDR	4.046	4.041	0.005		
100	B70_Unbiased_HDR	4.047	4.045	0.002		
100	B71_Unbiased_HDR	3.999	3.997	0.002		
100	B72_Unbiased_HDR	4.033	4.030	0.003		
100	B73_Unbiased_HDR	4.033	4.033	0.000		
100	B74_Unbiased_HDR	4.014	4.015	-0.001		
100	B77_Unbiased_HDR	4.005	4.005	0.000		
100	B78_Unbiased_HDR	4.051	4.050	0.001		
100	B79_Unbiased_HDR	4.049	4.046	0.003		
100	B80_Unbiased_HDR	4.019	4.016	0.003		
100	C70_Unbiased_HDR	3.999	3.998	0.001		
100	C71_Unbiased_HDR	3.997	3.997	0.000		
100	C72_Unbiased_HDR	4.016	4.013	0.003		
100	C73_Unbiased_HDR	4.033	4.029	0.004		
100	C75_Unbiased_HDR	3.995	3.989	0.006		
100	C76_Unbiased_HDR	4.026	4.025	0.001		
100	C79_Unbiased_HDR	4.036	4.036	0.000		
0	106_Corr	3.943	3.943	0.000		
50	A92_Biased_LDR	4.049	4.050	-0.001	-0.003	
50	A93_Biased_LDR	4.019	4.019	0.000		
50	B12_Biased_LDR	4.042	4.055	-0.013		
50	C14_Biased_LDR	4.047	4.076	-0.029		
50	C14_Unbiased_LDR	4.015	4.018	-0.003		
50	A95_Unbiased_LDR	4.065	4.067	-0.002	-0.003	
50	B96_Unbiased_LDR	4.032	4.035	-0.003		
50	B95_Unbiased_LDR	4.044	4.051	-0.007		
50	B16_Unbiased_LDR	4.048	4.047	0.001		
50	C15_Unbiased_LDR	3.979	4.028	-0.049		
0	106_Corr	3.959	3.961	-0.002		
100	A99_Biased_LDR	4.068	4.064	0.004	-0.002	
100	A100_Biased_LDR	4.017	4.021	-0.004		
100	A100_Biased_LDR	4.037	4.039	-0.002		
100	A101_Biased_LDR	4.033	4.027	0.006		
100	A102_Biased_LDR	4.029	4.019	0.010		
100	A104_Biased_LDR	3.997	4.012	-0.015		
100	A105_Biased_LDR	4.036	4.036	0.000		
100	B71_Biased_LDR	4.020	4.030	-0.010		
100	B18_Biased_LDR	4.019	4.027	-0.008		
100	B19_Biased_LDR	4.037	4.056	-0.019		
100	B20_Biased_LDR	4.047	4.045	0.002		
100	B21_Biased_LDR	4.050	4.053	-0.003		
100	B24_Biased_LDR	4.026	4.039	-0.013		
100	B25_Biased_LDR	4.009	4.011	-0.002		
100	B26_Biased_LDR	3.990	4.000	-0.010		
100	C74_Biased_LDR	3.979	3.980	-0.001		
100	C17_Biased_LDR	4.024	4.025	-0.001		
100	C18_Biased_LDR	4.012	4.011	0.001		
100	C19_Biased_LDR	4.021	4.028	-0.007		
100	C25_Biased_LDR	4.013	4.017	-0.004		
100	C26_Biased_LDR	3.988	3.990	-0.002		
100	C31_Biased_LDR	4.014	4.013	0.001		
100	A107_Unbiased_LDR	4.021	4.025	-0.004	-0.002	
100	A108_Unbiased_LDR	4.049	4.052	-0.003		
100	A109_Unbiased_LDR	3.989	3.990	-0.001		
100	A110_Unbiased_LDR	4.035	4.036	-0.001		
100	A111_Unbiased_LDR	4.047	4.047	0.000		
100	A112_Unbiased_LDR	4.041	4.048	-0.007		
100	A113_Unbiased_LDR	4.023	4.041	-0.018		
100	B27_Unbiased_LDR	4.008	4.054	-0.046		
100	B29_Unbiased_LDR	4.042	4.043	-0.001		
100	B30_Unbiased_LDR	4.054	4.050	0.004		
100	B31_Unbiased_LDR	4.032	4.042	-0.010		
100	B32_Unbiased_LDR	4.051	4.044	0.007		
100	B33_Unbiased_LDR	4.029	4.051	-0.022		
100	B34_Unbiased_LDR	4.041	4.044	-0.003		
100	B35_Unbiased_LDR	4.052	4.057	-0.005		
100	C33_Unbiased_LDR	3.979	3.979	0.000		
100	C33_Unbiased_LDR	4.013	4.009	0.004		
100	C34_Unbiased_LDR	4.049	4.049	0.000		
100	C35_Unbiased_LDR	3.980	3.982	-0.002		
100	C36_Unbiased_LDR	3.979	3.981	-0.002		
100	C37_Unbiased_LDR	4.022	4.021	0.001		
100	C38_Unbiased_LDR	4.038	4.038	0.000		
Max			4.076	0.020		
Average		4.021	4.027	-0.006		
Min		3.943	3.943	-0.060		
Std Dev		0.026	0.027	0.013		

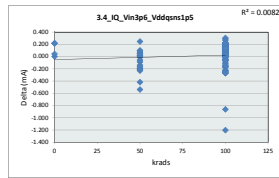


3.3_IDD_Vinp3p6_Vddqsns1p8			
Test Site	Dallas, TX		Dallas, TX
Tester	ETS		ETS
Test Number	EF636800		EF636800
Max Limit	6 uA		6 uA
Min Limit	0.1 uA		0.1 uA
LL	0.100	0.100	0.100
Min	3.943	3.974	3.975
Average	3.976	4.042	4.025
Max	6.000	6.000	6.000
UL	6.000	6.000	6.000

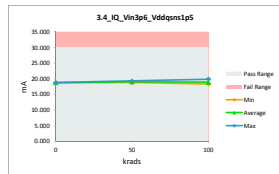


TID ELDERS Sensitivity Report (50k & 100k)
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3.4_IQ_VinSp6_Vddqsp5p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	mA		mA			
Max Limit	30		30			
Min Limit	0.1		0.1			
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	19.049	18.831	0.218		
50	A120_Biased_HDR	18.925	18.857	0.068	0.014	-6.213
50	A120_Unbiased_HDR	18.974	18.960	0.014		
50	B48_Biased_HDR	18.778	19.010	-0.232		
50	B49_Unbiased_HDR	18.946	19.151	-0.205		
50	C51_Biased_HDR	19.062	18.960	0.102		
50	A130_Unbiased_HDR	18.977	19.164	-0.187	-0.142	0.085
50	N131_Unbiased_HDR	18.945	18.949	0.016		
50	B50_Unbiased_HDR	19.011	19.153	-0.142		
50	B51_Unbiased_HDR	18.689	19.105	-0.416		
50	C53_Unbiased_HDR	19.086	18.830	0.247		
0	106_Corr	18.942	18.729	0.213		
100	A132_Biased_HDR	18.596	18.861	-0.265	0.082	0.926
100	A134_Biased_HDR	18.717	19.920	-1.203		
100	A135_Biased_HDR	18.747	18.767	-0.020		
100	B82_Biased_HDR	18.688	18.735	-0.047		
100	B84_Biased_HDR	18.781	18.823	-0.042		
100	B85_Biased_HDR	18.553	18.716	-0.163		
100	B86_Biased_HDR	19.135	19.108	0.027		
100	B87_Biased_HDR	18.530	18.766	-0.236		
100	B89_Biased_HDR	18.734	18.981	-0.247		
100	B82_Unbiased_HDR	19.408	19.232	0.176		
100	B83_Unbiased_HDR	18.968	18.867	0.101		
100	B84_Unbiased_HDR	19.148	19.080	0.068		
100	B86_Unbiased_HDR	19.088	18.923	0.165		
100	B88_Unbiased_HDR	18.970	18.822	0.148		
100	C54_Biased_HDR	19.068	18.936	0.132		
100	C54_Unbiased_HDR	18.712	18.651	0.121		
100	C55_Biased_HDR	18.967	18.872	0.095		
100	C57_Biased_HDR	18.779	18.736	0.043		
100	C58_Biased_HDR	19.208	19.038	0.170		
100	C59_Biased_HDR	18.910	18.769	0.141		
100	C45_Unbiased_HDR	18.946	18.768	0.178		
100	C47_Biased_HDR	18.877	18.671	0.206		
100	A122_Unbiased_HDR	18.846	19.073	-0.227	0.161	0.259
100	A138_Unbiased_HDR	18.556	18.675	-0.119		
100	N139_Unbiased_HDR	18.659	18.884	-0.225		
100	B80_Unbiased_HDR	19.219	18.997	0.222		
100	B83_Unbiased_HDR	19.022	18.855	0.167		
100	B84_Unbiased_HDR	19.219	18.931	0.288		
100	B80_Unbiased_HDR	19.022	18.873	0.149		
100	B81_Unbiased_HDR	18.817	18.776	0.141		
100	B82_Unbiased_HDR	19.128	18.948	0.180		
100	B83_Unbiased_HDR	19.088	18.943	0.145		
100	B84_Unbiased_HDR	19.087	18.785	0.302		
100	B87_Unbiased_HDR	19.003	18.976	0.027		
100	B88_Unbiased_HDR	19.118	19.055	0.063		
100	B79_Unbiased_HDR	18.888	18.802	0.086		
100	B80_Unbiased_HDR	19.060	18.883	0.177		
100	C70_Unbiased_HDR	18.930	18.664	0.266		
100	C71_Unbiased_HDR	18.899	18.694	0.205		
100	C72_Unbiased_HDR	18.879	18.708	0.171		
100	C73_Unbiased_HDR	19.029	18.830	0.199		
100	C75_Unbiased_HDR	18.777	18.849	-0.072		
100	C76_Unbiased_HDR	18.995	18.841	0.154		
100	C79_Unbiased_HDR	18.901	18.860	0.041		
0	106_Corr	18.708	18.708	0.000		
50	A92_Biased_LDR	19.251	19.246	0.005	-0.087	
50	A93_Biased_LDR	18.973	18.877	0.096		
50	B12_Biased_LDR	19.151	19.318	-0.167		
50	B13_Biased_LDR	18.685	19.226	-0.541		
50	C14_Biased_LDR	19.027	19.114	-0.087		
50	A95_Unbiased_LDR	19.195	19.148	0.047	-0.012	
50	A96_Unbiased_LDR	19.061	19.173	-0.012		
50	B15_Unbiased_LDR	19.102	19.159	-0.057		
50	B16_Unbiased_LDR	19.358	19.313	0.045		
50	C15_Unbiased_LDR	18.960	18.773	0.212		
0	106_Corr	18.848	18.808	0.040		
100	A97_Biased_LDR	19.322	19.148	0.174	0.075	
100	A98_Biased_LDR	18.958	18.870	0.088		
100	A100_Biased_LDR	19.238	19.156	0.082		
100	A101_Biased_LDR	19.195	18.980	0.215		
100	A102_Biased_LDR	19.213	19.023	0.190		
100	A104_Biased_LDR	18.418	18.597	-0.179		
100	A105_Biased_LDR	18.914	18.800	0.114		
100	B17_Biased_LDR	18.978	19.082	-0.104		
100	B18_Biased_LDR	18.990	19.055	-0.065		
100	B19_Biased_LDR	18.710	19.038	-0.268		
100	B20_Biased_LDR	19.104	18.995	0.109		
100	B21_Biased_LDR	19.260	19.141	0.119		
100	B24_Biased_LDR	18.802	18.864	-0.062		
100	B25_Biased_LDR	18.945	18.872	0.073		
100	B26_Biased_LDR	18.753	18.816	-0.063		
100	C16_Biased_LDR	18.976	18.898	0.078		
100	C17_Biased_LDR	19.192	19.077	0.115		
100	C18_Biased_LDR	18.817	18.797	0.020		
100	C19_Biased_LDR	18.874	18.884	-0.010		
100	C25_Biased_LDR	19.237	19.241	-0.004		
100	C26_Biased_LDR	18.814	18.812	0.002		
100	C31_Biased_LDR	19.151	19.051	0.100		
100	A107_Unbiased_LDR	19.175	19.126	0.049	0.042	
100	A108_Unbiased_LDR	19.399	19.349	0.030		
100	A109_Unbiased_LDR	18.451	18.372	0.079		
100	A110_Unbiased_LDR	18.872	18.853	0.019		
100	A111_Unbiased_LDR	18.987	18.889	0.098		
100	A112_Unbiased_LDR	18.985	19.051	-0.066		
100	A113_Unbiased_LDR	18.873	19.031	-0.158		
100	B27_Unbiased_LDR	18.832	19.004	-0.162		
100	B29_Unbiased_LDR	19.049	18.954	0.095		
100	B30_Unbiased_LDR	19.336	19.113	0.223		
100	B31_Unbiased_LDR	18.805	18.947	-0.142		
100	B32_Unbiased_LDR	19.367	19.144	0.223		
100	B33_Unbiased_LDR	18.843	19.113	-0.270		
100	B34_Unbiased_LDR	19.136	19.028	0.108		
100	B35_Unbiased_LDR	19.201	19.146	0.055		
100	C32_Unbiased_LDR	19.016	18.969	0.047		
100	C33_Unbiased_LDR	19.111	19.080	0.031		
100	C34_Unbiased_LDR	19.214	19.163	0.051		
100	C35_Unbiased_LDR	18.850	18.819	0.031		
100	C36_Unbiased_LDR	18.817	18.809	0.008		
100	C37_Unbiased_LDR	19.099	19.063	0.036		
100	C38_Unbiased_LDR	19.099	18.966	0.133		
0	Max	19.408	19.920	0.302		
0	Average	18.974	18.959	0.015		
0	Min	18.418	18.372	-0.203		
0	Std Dev	0.204	0.213	0.211		

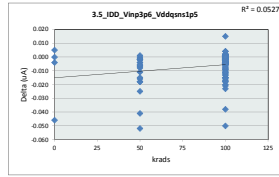


3.4_IQ_VinSp6_Vddqsp5p5			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	30 mA		
Min Limit	0.1 mA		
LL	0.100	0.100	0.100
Min	18.708	18.839	18.372
Average	18.749	19.090	18.938
Max	18.831	19.318	19.920
UL	30.000	30.000	30.000

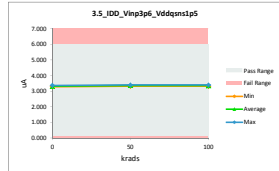


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

3.5_IDD_Vinp3p6_Vddqsns1p5							
Test Site	Dallas, TX						
Tester	ETS						
Test Number	EF636800						
Unit	uA						
Max Limit	6						
Min Limit	0.1						
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio	
0	374_Corr	3.320	3.366	-0.046			
50	A126_Biased_HDR	3.362	3.368	-0.006	-0.007	0.571	
50	A126_Unbiased_HDR	3.361	3.368	-0.007			
50	B48_Biased_HDR	3.353	3.371	-0.018			
50	B49_Unbiased_HDR	3.351	3.369	-0.018			
50	C51_Biased_HDR	3.372	3.374	-0.002			
50	A130_Unbiased_HDR	3.352	3.368	-0.016	-0.015	0.267	
50	A133_Unbiased_HDR	3.362	3.370	-0.008			
50	B50_Unbiased_HDR	3.360	3.375	-0.015			
50	B51_Unbiased_HDR	3.321	3.373	-0.052			
50	C53_Unbiased_HDR	3.311	3.313	-0.002			
0	106_Corr	3.298	3.293	0.005			
100	A132_Biased_HDR	3.342	3.357	-0.015	-0.002	2.000	
100	A134_Biased_HDR	3.343	3.393	-0.050			
100	A135_Biased_HDR	3.324	3.337	-0.013			
100	B52_Biased_HDR	3.321	3.324	-0.003			
100	B54_Biased_HDR	3.362	3.371	-0.009			
100	B55_Biased_HDR	3.343	3.360	-0.017			
100	B56_Biased_HDR	3.355	3.357	-0.002			
100	B57_Biased_HDR	3.313	3.331	-0.018			
100	B59_Biased_HDR	3.354	3.374	-0.020			
100	B62_Biased_HDR	3.365	3.364	0.001			
100	B64_Biased_HDR	3.353	3.351	0.002			
100	B64_Unbiased_HDR	3.371	3.370	0.001			
100	B66_Biased_HDR	3.374	3.373	0.001			
100	B68_Biased_HDR	3.373	3.372	0.001			
100	C54_Biased_HDR	3.368	3.368	0.000			
100	C54_Unbiased_HDR	3.316	3.320	-0.004			
100	C55_Biased_HDR	3.361	3.364	-0.003			
100	C57_Biased_HDR	3.319	3.321	-0.002			
100	C58_Biased_HDR	3.331	3.330	0.001			
100	C59_Biased_HDR	3.336	3.337	-0.001			
100	C45_Unbiased_HDR	3.331	3.334	-0.003			
100	C67_Biased_HDR	3.310	3.311	-0.001			
100	A122_Unbiased_HDR	3.347	3.365	-0.018	-0.001	4.500	
100	A138_Unbiased_HDR	3.300	3.315	-0.015			
100	A139_Unbiased_HDR	3.360	3.366	-0.016			
100	B60_Unbiased_HDR	3.368	3.370	-0.002			
100	B61_Unbiased_HDR	3.369	3.364	0.015			
100	B62_Unbiased_HDR	3.368	3.367	0.001			
100	B70_Unbiased_HDR	3.369	3.370	-0.001			
100	B71_Unbiased_HDR	3.328	3.328	0.000			
100	B72_Unbiased_HDR	3.357	3.358	-0.001			
100	B73_Unbiased_HDR	3.358	3.358	0.000			
100	B74_Unbiased_HDR	3.342	3.344	-0.002			
100	B77_Unbiased_HDR	3.333	3.338	-0.005			
100	B78_Unbiased_HDR	3.372	3.373	-0.001			
100	B79_Unbiased_HDR	3.370	3.368	0.002			
100	B80_Unbiased_HDR	3.345	3.345	0.000			
100	C70_Unbiased_HDR	3.337	3.336	0.001			
100	C71_Unbiased_HDR	3.326	3.326	0.000			
100	C72_Unbiased_HDR	3.342	3.345	-0.003			
100	C73_Unbiased_HDR	3.356	3.356	0.000			
100	C75_Unbiased_HDR	3.324	3.322	0.002			
100	C76_Unbiased_HDR	3.350	3.351	-0.001			
100	C79_Unbiased_HDR	3.359	3.362	-0.003			
0	108_Corr	3.282	3.282	0.000			
50	A92_Biased_LDR	3.370	3.372	-0.002	-0.004		
50	A93_Biased_LDR	3.345	3.345	0.000			
50	B12_Biased_LDR	3.365	3.376	-0.011			
50	B13_Biased_LDR	3.368	3.393	-0.025			
50	C14_Biased_LDR	3.340	3.344	-0.004			
50	A95_Unbiased_LDR	3.384	3.385	-0.001	-0.004		
50	B16_Unbiased_LDR	3.355	3.359	-0.004			
50	B15_Unbiased_LDR	3.366	3.372	-0.006			
50	B16_Unbiased_LDR	3.370	3.369	0.001			
50	C15_Unbiased_LDR	3.312	3.313	-0.001			
0	106_Corr	3.295	3.299	-0.004			
100	A99_Biased_LDR	3.384	3.385	-0.001	-0.005		
100	A99_Unbiased_LDR	3.343	3.348	-0.005			
100	A100_Biased_LDR	3.360	3.365	-0.005			
100	A101_Biased_LDR	3.357	3.355	0.002			
100	A102_Biased_LDR	3.353	3.349	0.004			
100	A104_Biased_LDR	3.328	3.343	-0.015			
100	A105_Biased_LDR	3.360	3.362	-0.002			
100	B17_Biased_LDR	3.345	3.355	-0.010			
100	B18_Biased_LDR	3.346	3.355	-0.009			
100	B19_Biased_LDR	3.361	3.382	-0.021			
100	B20_Biased_LDR	3.368	3.372	-0.004			
100	B21_Biased_LDR	3.371	3.376	-0.005			
100	B24_Biased_LDR	3.351	3.362	-0.011			
100	B25_Biased_LDR	3.338	3.338	0.000			
100	B26_Biased_LDR	3.322	3.334	-0.012			
100	C16_Biased_LDR	3.313	3.316	-0.003			
100	C17_Biased_LDR	3.350	3.352	-0.002			
100	C18_Biased_LDR	3.340	3.344	-0.004			
100	C19_Biased_LDR	3.347	3.355	-0.008			
100	C25_Biased_LDR	3.340	3.348	-0.008			
100	C26_Biased_LDR	3.319	3.324	-0.005			
100	C31_Biased_LDR	3.341	3.342	-0.001			
100	A107_Unbiased_LDR	3.347	3.351	-0.004	-0.005		
100	A108_Unbiased_LDR	3.370	3.372	-0.002			
100	A109_Unbiased_LDR	3.322	3.327	-0.005			
100	A110_Unbiased_LDR	3.359	3.362	-0.003			
100	A111_Unbiased_LDR	3.368	3.372	-0.004			
100	A112_Unbiased_LDR	3.364	3.369	-0.005			
100	A113_Unbiased_LDR	3.351	3.364	-0.013			
100	B27_Unbiased_LDR	3.336	3.374	-0.038			
100	B29_Unbiased_LDR	3.365	3.370	-0.005			
100	B30_Unbiased_LDR	3.374	3.370	0.004			
100	B31_Unbiased_LDR	3.357	3.368	-0.011			
100	B32_Unbiased_LDR	3.373	3.372	0.001			
100	B33_Unbiased_LDR	3.353	3.376	-0.023			
100	B34_Unbiased_LDR	3.364	3.365	-0.001			
100	B35_Unbiased_LDR	3.374	3.380	-0.006			
100	C30_Unbiased_LDR	3.372	3.375	-0.003			
100	C33_Unbiased_LDR	3.339	3.343	-0.004			
100	C34_Unbiased_LDR	3.371	3.373	-0.002			
100	C35_Unbiased_LDR	3.313	3.319	-0.006			
100	C36_Unbiased_LDR	3.311	3.318	-0.007			
100	C37_Unbiased_LDR	3.347	3.352	-0.005			
100	C38_Unbiased_LDR	3.361	3.361	0.000			
	Max	3.384	3.393	0.015			
	Average	3.347	3.354	-0.007			
	Min	3.282	3.282	-0.002			
	Std Dev	0.021	0.022	0.011			

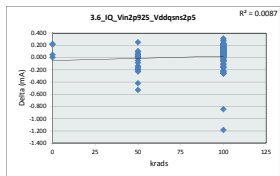


3.5_IDD_Vinp3p6_Vddqsns1p5					
Test Site	Dallas, TX				
Tester	ETS				
Test Number	EF636800				
Max Limit	6 uA				
Min Limit	0.1 uA				
krads	0	50	100		
LL	0.100	0.100	0.100		
Min	3.282	3.313	3.311		
Average	3.310	3.366	3.353		
Max	3.366	3.393	3.393		
UL	6.000	6.000	6.000		

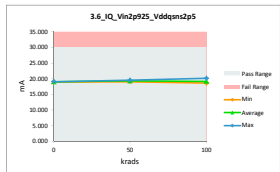


TID ELDRS Sensitivity Report (50k & 100k)
TPS7H3301-SP

3.6_IQ_Vin2p925_Vddqps2p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	30					
Min Limit	0.1					
Serial #	PreRank_LDR_HDR	PostRank_LDR_HDR	Delta	Delta Median	Delta Median Rate	
0	374_Corr	19.288	19.069	0.219		
50	A120_Biased_HDR	19.162	19.097	0.065	0.015	-5.866
50	A120_Unbiased_HDR	19.211	19.196	0.015		
50	B48_Biased_HDR	19.026	19.255	-0.229		
50	B49_Unbiased_HDR	19.192	19.390	-0.198		
50	C51_Biased_HDR	19.203	19.205	0.002		
50	A130_Unbiased_HDR	19.225	19.407	-0.182	-0.140	0.057
50	A131_Unbiased_HDR	19.198	19.183	0.015		
50	B50_Unbiased_HDR	19.255	19.395	-0.140		
50	B51_Unbiased_HDR	18.925	19.349	-0.424		
50	C53_Unbiased_HDR	19.215	19.067	0.248		
0	106_Corr	19.174	18.964	0.210		
100	A132_Biased_HDR	18.841	19.102	-0.261	0.081	0.975
100	A134_Biased_HDR	18.959	20.144	-1.185		
100	A135_Biased_HDR	18.989	19.004	-0.015		
100	B62_Biased_HDR	18.924	18.972	-0.048		
100	B64_Biased_HDR	19.025	19.044	-0.019		
100	B65_Biased_HDR	18.795	18.955	-0.160		
100	B66_Biased_HDR	19.378	19.351	0.027		
100	B67_Biased_HDR	18.772	19.008	-0.236		
100	B69_Biased_HDR	18.980	19.226	-0.246		
100	B62_Unbiased_HDR	19.651	19.475	0.176		
100	B63_Unbiased_HDR	19.239	19.107	0.132		
100	B64_Unbiased_HDR	19.389	19.321	0.068		
100	B66_Unbiased_HDR	19.326	19.163	0.163		
100	B68_Unbiased_HDR	19.209	19.061	0.148		
100	C54_Biased_HDR	19.309	19.180	0.129		
100	C55_Biased_HDR	19.011	18.888	0.123		
100	C56_Biased_HDR	19.200	19.107	0.093		
100	C57_Biased_HDR	19.003	18.97	0.036		
100	C58_Biased_HDR	19.445	19.277	0.168		
100	C59_Biased_HDR	19.146	19.003	0.143		
100	C65_Biased_HDR	19.187	19.005	0.182		
100	C67_Biased_HDR	19.101	18.896	0.205		
100	A122_Unbiased_HDR	19.096	19.318	-0.222	0.161	0.261
100	A138_Unbiased_HDR	18.791	18.905	-0.114		
100	A139_Unbiased_HDR	18.895	19.116	-0.221		
100	B60_Unbiased_HDR	19.457	19.242	0.215		
100	B63_Unbiased_HDR	19.261	19.093	0.168		
100	B69_Unbiased_HDR	19.457	19.173	0.284		
100	B70_Unbiased_HDR	19.261	19.114	0.147		
100	B71_Unbiased_HDR	19.052	18.909	0.143		
100	B72_Unbiased_HDR	19.369	19.191	0.178		
100	B73_Unbiased_HDR	19.327	19.183	0.144		
100	B74_Unbiased_HDR	19.326	19.019	0.307		
100	B77_Unbiased_HDR	19.242	19.215	0.027		
100	B78_Unbiased_HDR	19.360	19.296	0.064		
100	B79_Unbiased_HDR	19.124	19.046	0.078		
100	B80_Unbiased_HDR	19.301	19.125	0.176		
100	C70_Unbiased_HDR	19.165	18.996	0.269		
100	C71_Unbiased_HDR	19.130	18.927	0.203		
100	C72_Unbiased_HDR	19.112	18.940	0.172		
100	C73_Unbiased_HDR	19.268	19.064	0.199		
100	C75_Unbiased_HDR	19.012	18.783	0.229		
100	C76_Unbiased_HDR	19.227	19.073	0.154		
100	C79_Unbiased_HDR	19.156	19.105	0.061		
0	108_Corr	18.942	18.942	0.000		
50	A92_Biased_LDR	19.489	19.485	0.004	-0.088	
50	A93_Biased_LDR	19.208	19.113	0.095		
50	B12_Biased_LDR	19.398	19.558	-0.160		
50	B13_Biased_LDR	18.922	19.455	-0.533		
50	C14_Biased_LDR	19.599	19.447	-0.088		
50	A95_Unbiased_LDR	19.428	19.382	0.046	-0.008	
50	A96_Unbiased_LDR	19.305	19.313	-0.008		
50	B75_Unbiased_LDR	19.344	19.397	-0.053		
50	B16_Unbiased_LDR	19.599	19.554	0.045		
50	C15_Unbiased_LDR	19.085	19.407	-0.222		
0	106_Corr	19.084	19.042	0.042		
100	A97_Biased_LDR	19.560	19.386	0.174	0.078	
100	A99_Biased_LDR	19.198	19.109	0.089		
100	A100_Biased_LDR	19.471	19.390	0.081		
100	A101_Biased_LDR	19.433	19.218	0.215		
100	A102_Biased_LDR	19.456	19.269	0.187		
100	A104_Biased_LDR	18.653	18.827	-0.174		
100	A105_Biased_LDR	19.144	19.029	0.115		
100	B17_Biased_LDR	19.223	19.326	-0.103		
100	B18_Biased_LDR	19.232	19.290	-0.058		
100	B19_Biased_LDR	19.015	19.276	-0.261		
100	B20_Biased_LDR	19.339	19.230	0.109		
100	B21_Biased_LDR	19.504	19.382	0.122		
100	B24_Biased_LDR	19.041	19.095	-0.054		
100	B25_Biased_LDR	19.183	19.107	0.076		
100	B26_Biased_LDR	18.993	19.052	-0.059		
100	C16_Biased_LDR	19.201	19.120	0.081		
100	C17_Biased_LDR	19.428	19.312	0.116		
100	C18_Biased_LDR	19.057	19.039	0.018		
100	C19_Biased_LDR	19.107	19.116	-0.009		
100	C25_Biased_LDR	19.474	19.478	-0.004		
100	C26_Biased_LDR	19.944	19.942	0.002		
100	C31_Biased_LDR	19.384	19.286	0.098		
100	A107_Unbiased_LDR	19.415	19.362	0.053	0.042	
100	A108_Unbiased_LDR	19.648	19.617	0.031		
100	A109_Unbiased_LDR	18.678	18.596	0.082		
100	A110_Unbiased_LDR	19.100	19.084	0.016		
100	A111_Unbiased_LDR	19.222	19.121	0.101		
100	A112_Unbiased_LDR	19.231	19.292	-0.061		
100	A113_Unbiased_LDR	19.113	19.265	-0.152		
100	B27_Unbiased_LDR	19.065	19.112	-0.047		
100	B29_Unbiased_LDR	19.288	19.190	0.098		
100	B30_Unbiased_LDR	19.577	19.359	0.218		
100	B31_Unbiased_LDR	19.051	19.191	-0.140		
100	B32_Unbiased_LDR	19.610	19.388	0.222		
100	B33_Unbiased_LDR	19.092	19.357	-0.265		
100	B34_Unbiased_LDR	19.374	19.264	0.110		
100	B35_Unbiased_LDR	19.442	19.388	0.054		
100	C32_Unbiased_LDR	19.244	19.199	0.045		
100	C33_Unbiased_LDR	19.353	19.329	0.024		
100	C34_Unbiased_LDR	19.458	19.411	0.047		
100	C35_Unbiased_LDR	19.075	19.042	0.033		
100	C36_Unbiased_LDR	19.042	19.029	0.013		
100	C37_Unbiased_LDR	19.336	19.297	0.039		
100	C38_Unbiased_LDR	19.240	19.206	0.034		
Max	19.651	20.144	0.307			
Average	19.212	19.196	-0.016			
Min	18.653	18.596	-0.057			
Std Dev	0.205	0.214	0.208			

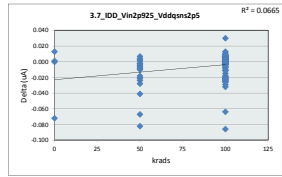


3.6_IQ_Vin2p925_Vddqps2p5				
Test Site	Dallas, Tx			
Tester	ETS			
Test Number	EF636800			
Max Limit	30		mA	
Min Limit	0.1		mA	
Serial #	LL	Min	Average	Max
0	0	0	0	100
LL	0.100	0.100	0.100	0.100
Min	18.942	19.067	18.996	19.596
Average	19.044	19.328	19.175	19.175
Max	19.069	19.558	20.144	30.000
UL	30.000	30.000	30.000	30.000

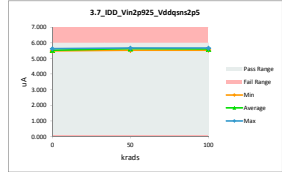


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

3.7_IDD_Vin2p25_Vddqns2p5							
Test Site		Dallas, Tx					
Tester		ETS					
Test Number		EF636800					
Part		uA					
Max Limit		6					
Min Limit		0.1					
Krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio	
0	374_Corr	5.548	5.620	-0.072			
50	A126_Biased_HDR	5.621	5.626	-0.005	-0.010	0.600	
50	A126_Unbiased_HDR	5.617	5.627	-0.010			
50	B48_Biased_HDR	5.605	5.626	-0.021			
50	B49_Unbiased_HDR	5.601	5.629	-0.028			
50	C51_Biased_HDR	5.638	5.634	0.004			
50	A130_Unbiased_HDR	5.602	5.626	-0.024	-0.021	0.143	
50	A133_Unbiased_HDR	5.640	5.648	-0.008			
50	B50_Unbiased_HDR	5.616	5.637	-0.021			
50	B51_Unbiased_HDR	5.550	5.632	-0.082			
50	C53_Unbiased_HDR	5.535	5.538	0.003			
0	106_Corr	5.512	5.499	0.013			
100	A132_Biased_HDR	5.584	5.606	-0.022	0.002	-1.250	
100	A134_Biased_HDR	5.586	5.672	-0.086			
100	A135_Biased_HDR	5.554	5.569	-0.015			
100	B82_Biased_HDR	5.551	5.549	0.002			
100	B84_Biased_HDR	5.618	5.629	-0.011			
100	B85_Biased_HDR	5.586	5.611	-0.025			
100	B86_Biased_HDR	5.609	5.609	0.000			
100	B87_Biased_HDR	5.536	5.560	-0.024			
100	B89_Biased_HDR	5.606	5.632	-0.026			
100	B82_Unbiased_HDR	5.626	5.619	0.007			
100	B84_Unbiased_HDR	5.603	5.598	0.005			
100	B84_Biased_HDR	5.635	5.631	0.004			
100	B86_Biased_HDR	5.641	5.632	0.009			
100	B86_Unbiased_HDR	5.638	5.633	0.005			
100	C54_Biased_HDR	5.629	5.622	0.007			
100	C55_Biased_HDR	5.544	5.589	0.005			
100	C56_Biased_HDR	5.618	5.618	0.000			
100	C57_Biased_HDR	5.548	5.540	0.008			
100	C58_Biased_HDR	5.567	5.561	0.006			
100	C59_Biased_HDR	5.577	5.575	0.002			
100	C45_Biased_HDR	5.569	5.568	0.001			
100	C47_Biased_HDR	5.534	5.531	0.003			
100	A122_Unbiased_HDR	5.593	5.616	-0.023	0.006	-0.167	
100	A138_Unbiased_HDR	5.515	5.534	-0.019			
100	A139_Unbiased_HDR	5.597	5.622	-0.025			
100	B60_Unbiased_HDR	5.629	5.623	0.006			
100	B61_Unbiased_HDR	5.631	5.601	0.030			
100	B62_Unbiased_HDR	5.629	5.622	0.007			
100	B70_Unbiased_HDR	5.631	5.625	0.006			
100	B71_Unbiased_HDR	5.582	5.586	0.004			
100	B72_Unbiased_HDR	5.611	5.606	0.005			
100	B73_Unbiased_HDR	5.612	5.606	0.006			
100	B74_Unbiased_HDR	5.586	5.579	0.007			
100	B77_Unbiased_HDR	5.571	5.568	0.003			
100	B78_Unbiased_HDR	5.636	5.634	0.002			
100	B79_Unbiased_HDR	5.632	5.627	0.005			
100	B80_Unbiased_HDR	5.592	5.586	0.006			
100	C70_Unbiased_HDR	5.577	5.572	0.005			
100	C71_Unbiased_HDR	5.558	5.547	0.011			
100	C72_Unbiased_HDR	5.587	5.581	0.006			
100	C73_Unbiased_HDR	5.610	5.603	0.007			
100	C75_Unbiased_HDR	5.556	5.549	0.007			
100	C76_Unbiased_HDR	5.599	5.595	0.004			
100	C79_Unbiased_HDR	5.613	5.614	-0.001			
0	108_Corr	5.483	5.483	0.000			
50	A92_Biased_LDR	5.632	5.634	-0.002	-0.006		
50	A93_Biased_LDR	5.591	5.590	0.001			
50	B12_Biased_LDR	5.623	5.641	-0.018			
50	B13_Biased_LDR	5.630	5.671	-0.041			
50	C14_Biased_LDR	5.584	5.690	-0.006			
50	A95_Unbiased_LDR	5.655	5.657	-0.002	-0.003		
50	B96_Unbiased_LDR	5.609	5.612	-0.003			
50	B95_Unbiased_LDR	5.625	5.634	-0.009			
50	B16_Unbiased_LDR	5.631	5.628	0.003			
50	C15_Unbiased_LDR	5.535	5.602	-0.067			
0	106_Corr	5.506	5.505	0.001			
100	A99_Biased_LDR	5.658	5.653	0.005	-0.003		
100	A99_Unbiased_LDR	5.588	5.593	-0.005			
100	A100_Biased_LDR	5.617	5.619	-0.002			
100	A101_Biased_LDR	5.611	5.605	0.006			
100	A102_Biased_LDR	5.604	5.591	0.013			
100	A104_Biased_LDR	5.560	5.581	-0.021			
100	A105_Biased_LDR	5.616	5.611	0.005			
100	B71_Biased_LDR	5.590	5.601	-0.011			
100	B18_Biased_LDR	5.592	5.601	-0.009			
100	B19_Biased_LDR	5.614	5.646	-0.032			
100	B20_Biased_LDR	5.630	5.630	0.000			
100	B21_Biased_LDR	5.634	5.637	-0.003			
100	B24_Biased_LDR	5.600	5.618	-0.018			
100	B25_Biased_LDR	5.578	5.575	0.003			
100	B26_Biased_LDR	5.549	5.569	-0.020			
100	C16_Biased_LDR	5.536	5.536	0.000			
100	C17_Biased_LDR	5.600	5.600	0.000			
100	C18_Biased_LDR	5.580	5.583	-0.003			
100	C19_Biased_LDR	5.593	5.599	-0.006			
100	C25_Biased_LDR	5.582	5.585	-0.003			
100	C26_Biased_LDR	5.548	5.550	-0.002			
100	C31_Biased_LDR	5.584	5.583	0.001			
100	A107_Unbiased_LDR	5.594	5.597	-0.003	-0.001		
100	A108_Unbiased_LDR	5.632	5.632	0.000			
100	A109_Unbiased_LDR	5.550	5.551	-0.001			
100	A110_Unbiased_LDR	5.614	5.613	0.001			
100	A111_Unbiased_LDR	5.628	5.629	-0.001			
100	A112_Unbiased_LDR	5.621	5.628	-0.007			
100	A113_Unbiased_LDR	5.599	5.620	-0.021			
100	B27_Unbiased_LDR	5.577	5.641	-0.064			
100	B29_Unbiased_LDR	5.623	5.623	0.000			
100	B30_Unbiased_LDR	5.639	5.631	0.008			
100	B31_Unbiased_LDR	5.609	5.620	-0.011			
100	B32_Unbiased_LDR	5.636	5.627	0.009			
100	B33_Unbiased_LDR	5.603	5.632	-0.029			
100	B34_Unbiased_LDR	5.622	5.623	-0.001			
100	B35_Unbiased_LDR	5.638	5.640	-0.002			
100	C30_Unbiased_LDR	5.537	5.536	0.001			
100	C33_Unbiased_LDR	5.582	5.578	0.004			
100	C34_Unbiased_LDR	5.634	5.632	0.002			
100	C35_Unbiased_LDR	5.517	5.538	-0.021			
100	C36_Unbiased_LDR	5.535	5.536	-0.001			
100	C37_Unbiased_LDR	5.593	5.596	-0.003			
100	C38_Unbiased_LDR	5.616	5.616	0.000			
Max		5.658	5.672	0.030			
Average		5.594	5.600	-0.006			
Min		5.483	5.483	-0.086			
Std Dev		0.036	0.037	0.019			

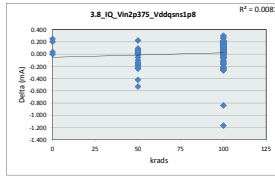


3.7_IDD_Vin2p25_Vddqns2p5			
Test Site		Dallas, Tx	
Tester		ETS	
Test Number		EF636800	
Max Limit		6 uA	
Min Limit		0.1 uA	
LL	50	100	
Min	5.483	5.528	5.531
Average	5.527	5.623	5.599
Max	5.620	5.671	5.672
UL	6.000	6.000	6.000

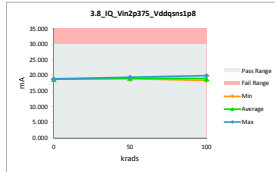


TID ELDRS Sensitivity Report (50k & 100k)
TPS7H3301-SP

3.8_IQ_Vin2p375_Vddqns1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Part	m8					
Max Limit	30					
Min Limit	0.1					
Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio	
0	374_Corr	19.142	18.892	0.250		
50	A120_Biased_HDR	18.992	18.926	0.066	0.015	-6.467
50	A120_Unbiased_HDR	19.042	19.027	0.015		
50	B48_Biased_HDR	18.863	19.096	-0.233		
50	B49_Unbiased_HDR	19.038	19.223	-0.185		
50	C51_Biased_HDR	19.131	19.045	0.086		
50	A130_Unbiased_HDR	19.052	19.232	-0.180	-0.137	0.051
50	A131_Unbiased_HDR	19.028	19.212	0.016		
50	B50_Unbiased_HDR	19.080	19.217	-0.137		
50	B51_Unbiased_HDR	18.753	19.173	-0.420		
50	C53_Unbiased_HDR	19.154	18.928	0.226		
0	106_Corr	19.021	18.815	0.206		
100	A132_Biased_HDR	18.668	18.930	-0.262	0.073	1.014
100	A134_Biased_HDR	18.796	19.960	-1.164		
100	A135_Biased_HDR	18.820	18.840	-0.020		
100	B82_Biased_HDR	18.751	18.803	-0.052		
100	B84_Biased_HDR	18.852	18.893	-0.041		
100	B85_Biased_HDR	18.622	18.783	-0.161		
100	B86_Biased_HDR	19.200	19.174	0.026		
100	B87_Biased_HDR	18.605	18.837	-0.232		
100	B89_Biased_HDR	18.814	19.049	-0.235		
100	B82_Unbiased_HDR	19.471	19.295	0.176		
100	B83_Unbiased_HDR	19.061	18.934	0.127		
100	B84_Unbiased_HDR	19.210	19.145	0.065		
100	B86_Unbiased_HDR	19.149	18.990	0.159		
100	B88_Unbiased_HDR	19.042	18.900	0.142		
100	C54_Biased_HDR	19.133	19.006	0.127		
100	C55_Biased_HDR	18.856	18.723	0.133		
100	C56_Biased_HDR	19.040	18.960	0.080		
100	C57_Biased_HDR	18.843	18.805	0.038		
100	C58_Biased_HDR	19.299	19.136	0.163		
100	C59_Biased_HDR	18.998	18.854	0.144		
100	C45_Unbiased_HDR	19.011	18.836	0.175		
100	C47_Unbiased_HDR	18.937	18.731	0.206		
100	A122_Unbiased_HDR	18.920	19.139	-0.219	0.162	0.240
100	A138_Unbiased_HDR	18.626	18.742	-0.116		
100	A139_Unbiased_HDR	18.741	18.954	-0.213		
100	B80_Unbiased_HDR	19.279	19.082	0.197		
100	B83_Unbiased_HDR	19.084	18.921	0.163		
100	B84_Unbiased_HDR	19.279	18.998	0.281		
100	B80_Unbiased_HDR	19.084	18.936	0.148		
100	B71_Unbiased_HDR	18.890	18.757	0.133		
100	B72_Unbiased_HDR	19.195	19.016	0.179		
100	B73_Unbiased_HDR	19.151	19.011	0.140		
100	B74_Unbiased_HDR	19.152	18.849	0.303		
100	B77_Unbiased_HDR	19.067	19.040	0.027		
100	B78_Unbiased_HDR	19.194	19.127	0.067		
100	B79_Unbiased_HDR	18.951	18.873	0.078		
100	B80_Unbiased_HDR	19.125	18.959	0.166		
100	C70_Unbiased_HDR	19.019	18.757	0.262		
100	C71_Unbiased_HDR	18.979	18.780	0.199		
100	C72_Unbiased_HDR	18.959	18.797	0.162		
100	C73_Unbiased_HDR	19.120	18.907	0.213		
100	C75_Unbiased_HDR	18.840	18.614	0.226		
100	C76_Unbiased_HDR	19.083	18.912	0.171		
100	C79_Unbiased_HDR	19.114	19.044	0.070		
0	108_Corr	18.776	18.776	0.000		
50	A92_Biased_LDR	19.314	19.309	0.005	-0.097	
50	A93_Biased_LDR	19.034	18.939	0.095		
50	B12_Biased_LDR	19.222	19.381	-0.159		
50	B13_Biased_LDR	18.751	19.278	-0.527		
50	C14_Biased_LDR	19.093	19.190	-0.097		
50	A95_Unbiased_LDR	19.257	19.211	0.046	-0.007	
50	A96_Unbiased_LDR	19.128	19.135	-0.007		
50	B15_Unbiased_LDR	19.169	19.222	-0.053		
50	B16_Unbiased_LDR	19.420	19.376	0.044		
50	C15_Unbiased_LDR	19.043	19.246	-0.203		
0	106_Corr	18.920	18.883	0.037		
100	A97_Biased_LDR	19.387	19.218	0.169	0.073	
100	A99_Biased_LDR	19.030	18.938	0.092		
100	A100_Biased_LDR	19.303	19.225	0.078		
100	A101_Biased_LDR	19.260	19.057	0.203		
100	A102_Biased_LDR	19.276	19.094	0.182		
100	A104_Biased_LDR	18.490	18.663	-0.173		
100	A105_Biased_LDR	18.977	18.863	0.114		
100	B17_Biased_LDR	19.052	19.150	-0.098		
100	B18_Biased_LDR	19.062	19.119	-0.057		
100	B19_Biased_LDR	18.841	19.099	-0.257		
100	B20_Biased_LDR	19.163	19.055	0.108		
100	B21_Biased_LDR	19.327	19.209	0.118		
100	B24_Biased_LDR	18.872	18.927	-0.055		
100	B25_Biased_LDR	19.010	18.936	0.074		
100	B26_Biased_LDR	18.820	18.884	-0.064		
100	C16_Biased_LDR	19.055	18.862	0.073		
100	C17_Biased_LDR	19.269	19.161	0.108		
100	C18_Biased_LDR	18.862	18.862	0.000		
100	C19_Biased_LDR	18.949	18.960	-0.011		
100	C25_Biased_LDR	19.304	19.321	-0.017		
100	C26_Biased_LDR	18.933	18.964	-0.001		
100	C31_Biased_LDR	19.132	19.150	0.082		
100	A107_Unbiased_LDR	19.244	19.195	0.049	0.039	
100	A108_Unbiased_LDR	19.449	19.438	0.031		
100	A109_Unbiased_LDR	18.514	18.432	0.082		
100	A110_Unbiased_LDR	18.935	18.919	0.016		
100	A111_Unbiased_LDR	19.058	18.955	0.103		
100	A112_Unbiased_LDR	19.058	19.116	-0.058		
100	A113_Unbiased_LDR	18.946	19.096	-0.150		
100	B27_Unbiased_LDR	18.891	19.128	-0.837		
100	B29_Unbiased_LDR	19.123	19.018	0.105		
100	B30_Unbiased_LDR	19.395	19.176	0.219		
100	B31_Unbiased_LDR	18.889	19.025	-0.136		
100	B32_Unbiased_LDR	19.430	19.215	0.215		
100	B33_Unbiased_LDR	18.917	19.179	-0.262		
100	B34_Unbiased_LDR	19.198	19.089	0.109		
100	B35_Unbiased_LDR	19.265	19.206	0.059		
100	C32_Unbiased_LDR	19.080	19.033	0.047		
100	C33_Unbiased_LDR	19.180	19.153	0.027		
100	C34_Unbiased_LDR	19.280	19.229	0.051		
100	C35_Unbiased_LDR	18.934	18.903	0.031		
100	C36_Unbiased_LDR	18.878	18.867	0.011		
100	C37_Unbiased_LDR	19.173	19.185	-0.018		
100	C38_Unbiased_LDR	19.175	19.030	0.145		
0	Max	19.471	19.960	0.303		
0	Average	19.044	19.029	0.015		
0	Min	18.490	18.432	-1.164		
0	Std Dev	0.202	0.209	0.205		

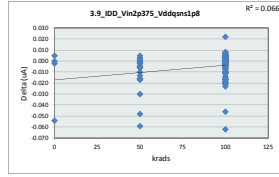


3.8_IQ_Vin2p375_Vddqns1p8					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	30				
Min Limit	0.1				
Serial #	0	50	100		
LL	0.100	0.100	0.100		
Min	18.776	18.926	18.432		
Average	18.842	19.159	19.008		
Max	18.892	19.381	19.960		
UL	30.000	30.000	30.000		

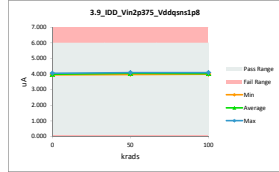


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

3.9_IDD_Vin2p375_Vddqns1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Part	uA					
Max Limit	6					
Min Limit	0.1					
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	3.987	4.041	-0.054		
50	A126_Biased_HDR	4.042	4.043	-0.001	-0.010	0.500
50	A126_Unbiased_HDR	4.037	4.047	-0.010		
50	B48_Biased_HDR	4.029	4.045	-0.016		
50	B49_Biased_HDR	4.027	4.044	-0.017		
50	C51_Biased_HDR	4.053	4.050	0.003		
50	A130_Unbiased_HDR	4.028	4.044	-0.016	-0.016	0.312
50	A133_Unbiased_HDR	4.040	4.046	-0.006		
50	B50_Unbiased_HDR	4.037	4.053	-0.016		
50	B51_Unbiased_HDR	3.990	4.049	-0.059		
50	C53_Unbiased_HDR	3.979	3.974	0.005		
0	106_Corr	3.942	3.957	-0.005		
100	A132_Biased_HDR	4.015	4.032	-0.017	0.001	-2.500
100	A134_Biased_HDR	4.015	4.077	-0.062		
100	A135_Biased_HDR	3.992	4.002	-0.010		
100	B52_Biased_HDR	3.990	3.989	0.001		
100	B54_Biased_HDR	4.039	4.049	-0.010		
100	B55_Biased_HDR	4.015	4.035	-0.020		
100	B56_Biased_HDR	4.032	4.032	0.000		
100	B57_Biased_HDR	3.979	3.996	-0.017		
100	B59_Biased_HDR	4.030	4.050	-0.020		
100	B62_Biased_HDR	4.043	4.042	0.001		
100	B63_Biased_HDR	4.027	4.027	0.000		
100	B64_Biased_HDR	4.050	4.048	0.002		
100	B66_Biased_HDR	4.055	4.051	0.004		
100	B68_Biased_HDR	4.053	4.050	0.003		
100	C54_Biased_HDR	4.045	4.043	0.002		
100	C55_Biased_HDR	3.986	3.983	0.003		
100	C56_Biased_HDR	4.038	4.037	0.001		
100	C57_Biased_HDR	3.989	3.985	0.004		
100	C58_Biased_HDR	4.001	3.997	0.004		
100	C59_Biased_HDR	4.010	4.006	0.004		
100	C45_Biased_HDR	4.003	4.005	-0.002		
100	C47_Biased_HDR	3.978	3.975	0.003		
100	A122_Unbiased_HDR	4.022	4.041	-0.019	0.002	-0.800
100	A138_Unbiased_HDR	3.964	3.978	-0.014		
100	A139_Unbiased_HDR	4.025	4.044	-0.019		
100	B60_Unbiased_HDR	4.046	4.045	0.001		
100	B61_Unbiased_HDR	4.048	4.036	0.012		
100	B69_Unbiased_HDR	4.046	4.044	0.002		
100	B70_Unbiased_HDR	4.048	4.044	0.004		
100	B71_Unbiased_HDR	3.999	3.994	0.005		
100	B72_Unbiased_HDR	4.034	4.029	0.005		
100	B73_Unbiased_HDR	4.035	4.030	0.005		
100	B74_Unbiased_HDR	4.016	4.014	0.002		
100	B77_Unbiased_HDR	4.004	4.005	-0.001		
100	B78_Unbiased_HDR	4.051	4.050	0.001		
100	B79_Unbiased_HDR	4.049	4.045	0.004		
100	B80_Unbiased_HDR	4.019	4.016	0.003		
100	C70_Unbiased_HDR	3.999	3.996	0.003		
100	C71_Unbiased_HDR	3.995	3.989	0.006		
100	C72_Unbiased_HDR	4.017	4.017	0.000		
100	C73_Unbiased_HDR	4.033	4.028	0.005		
100	C75_Unbiased_HDR	3.994	3.990	0.004		
100	C76_Unbiased_HDR	4.025	4.028	-0.003		
100	C79_Unbiased_HDR	4.035	4.037	-0.002		
0	108_Corr	3.942	3.942	0.000		
50	A92_Biased_LDR	4.048	4.050	-0.002	-0.005	
50	A93_Biased_LDR	4.019	4.019	0.000		
50	B12_Biased_LDR	4.042	4.055	-0.013		
50	B13_Biased_LDR	4.047	4.077	-0.030		
50	C14_Biased_LDR	4.014	4.019	-0.005		
50	A95_Unbiased_LDR	4.064	4.066	-0.002	-0.005	
50	B96_Unbiased_LDR	4.031	4.036	-0.005		
50	B15_Unbiased_LDR	4.044	4.049	-0.005		
50	B16_Unbiased_LDR	4.048	4.047	0.001		
50	C15_Unbiased_LDR	3.979	4.027	-0.048		
0	106_Corr	3.959	3.961	-0.002		
100	A99_Biased_LDR	4.066	4.061	0.005	-0.002	
100	A100_Biased_LDR	4.018	4.023	-0.005		
100	A100_Biased_LDR	4.037	4.037	0.000		
100	A101_Biased_LDR	4.033	4.030	0.003		
100	A102_Biased_LDR	4.027	4.019	0.008		
100	A104_Biased_LDR	3.997	4.013	-0.016		
100	A105_Biased_LDR	4.036	4.037	-0.001		
100	B17_Biased_LDR	4.018	4.028	-0.010		
100	B18_Biased_LDR	4.021	4.029	-0.008		
100	B19_Biased_LDR	4.036	4.057	-0.021		
100	B20_Biased_LDR	4.045	4.046	-0.001		
100	B21_Biased_LDR	4.049	4.053	-0.004		
100	B24_Biased_LDR	4.026	4.037	-0.011		
100	B25_Biased_LDR	4.010	4.009	0.001		
100	B26_Biased_LDR	3.989	4.000	-0.011		
100	C16_Biased_LDR	3.980	3.982	-0.002		
100	C17_Biased_LDR	4.025	4.028	-0.003		
100	C18_Biased_LDR	4.013	4.015	-0.002		
100	C19_Biased_LDR	4.021	4.025	-0.004		
100	C25_Biased_LDR	4.012	4.015	-0.003		
100	C26_Biased_LDR	3.989	3.990	-0.001		
100	C31_Biased_LDR	4.014	4.014	0.000		
100	A107_Unbiased_LDR	4.020	4.026	-0.006	-0.002	
100	A108_Unbiased_LDR	4.049	4.051	-0.002		
100	A109_Unbiased_LDR	3.990	3.991	-0.001		
100	A110_Unbiased_LDR	4.035	4.037	-0.002		
100	A111_Unbiased_LDR	4.046	4.046	0.000		
100	A112_Unbiased_LDR	4.042	4.048	-0.006		
100	A113_Unbiased_LDR	4.023	4.039	-0.016		
100	B27_Unbiased_LDR	4.008	4.054	-0.046		
100	B29_Unbiased_LDR	4.042	4.042	0.000		
100	B30_Unbiased_LDR	4.054	4.047	0.007		
100	B31_Unbiased_LDR	4.034	4.044	-0.010		
100	B32_Unbiased_LDR	4.053	4.045	0.008		
100	B33_Unbiased_LDR	4.028	4.051	-0.023		
100	B34_Unbiased_LDR	4.042	4.044	-0.002		
100	B35_Unbiased_LDR	4.053	4.056	-0.003		
100	C23_Unbiased_LDR	3.979	3.982	-0.003		
100	C33_Unbiased_LDR	4.013	4.012	0.001		
100	C34_Unbiased_LDR	4.051	4.051	0.000		
100	C35_Unbiased_LDR	3.981	3.983	-0.002		
100	C36_Unbiased_LDR	3.978	3.983	-0.005		
100	C37_Unbiased_LDR	4.023	4.022	0.001		
100	C38_Unbiased_LDR	4.036	4.037	-0.001		
	Max	4.066	4.077	0.022		
	Average	4.021	4.027	-0.005		
	Min	3.942	3.942	-0.062		
	Std Dev	0.026	0.027	0.013		

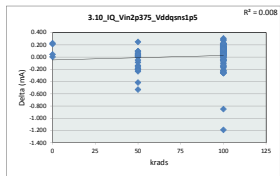


3.9_IDD_Vin2p375_Vddqns1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6 uA					
Min Limit	0.1 uA					
krads	LL	50	100			
LL	0.100	0.100	0.100			
Min	3.942	3.974	3.975			
Average	3.975	4.042	4.026			
Max	4.041	4.077	4.077			
UL	6.000	6.000	6.000			

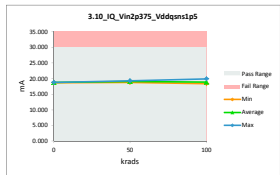


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

3.10_IQ_Vin2p375_Vddqns1p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	m8		m8			
Max Limit	30		30			
Min Limit	0.1		0.1			
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	19.041	18.817	0.224		
50	A120_Biased_HDR	18.915	18.849	0.066	0.017	-5.118
50	A120_Unbiased_HDR	18.966	18.949	0.017		
50	B48_Biased_HDR	18.767	19.000	-0.233		
50	B49_Unbiased_HDR	18.934	19.137	-0.203		
50	C31_Biased_HDR	19.051	18.954	0.097		
50	A130_Unbiased_HDR	18.969	19.155	-0.186	-0.140	0.050
50	A131_Unbiased_HDR	18.954	18.937	0.017		
50	B50_Unbiased_HDR	19.000	19.140	-0.140		
50	B51_Unbiased_HDR	18.677	19.094	-0.417		
50	C53_Unbiased_HDR	19.081	18.835	0.246		
0	106_Corr		18.718	0.211		
100	A132_Biased_HDR	18.588	18.851	-0.263	0.078	1.000
100	A134_Biased_HDR	18.705	19.899	-1.194		
100	A135_Biased_HDR	18.743	18.764	-0.021		
100	B82_Biased_HDR	18.675	18.724	-0.049		
100	B84_Biased_HDR	18.773	18.814	-0.041		
100	B85_Biased_HDR	18.543	18.705	-0.162		
100	B86_Biased_HDR	19.123	19.095	0.028		
100	B87_Biased_HDR	18.520	18.740	-0.240		
100	B89_Biased_HDR	18.723	18.974	-0.251		
100	B82_Unbiased_HDR	19.395	19.218	0.177		
100	B83_Unbiased_HDR	18.864	18.858	0.006		
100	B84_Unbiased_HDR	19.135	19.070	0.065		
100	B86_Unbiased_HDR	19.073	18.914	0.159		
100	B88_Unbiased_HDR	18.958	18.812	0.146		
100	C54_Biased_HDR	19.057	18.927	0.130		
100	C55_Biased_HDR	18.266	18.649	0.117		
100	C56_Biased_HDR	18.266	18.866	0.090		
100	C57_Biased_HDR	18.771	18.733	0.038		
100	C58_Biased_HDR	19.199	19.036	0.163		
100	C59_Biased_HDR	18.503	18.764	0.139		
100	C45_Biased_HDR	18.935	18.758	0.177		
100	C47_Biased_HDR	18.864	18.638	0.208		
100	A122_Unbiased_HDR	18.839	19.059	-0.220	0.158	0.274
100	A138_Unbiased_HDR	18.550	18.663	-0.113		
100	A139_Unbiased_HDR	18.654	18.875	-0.221		
100	B40_Unbiased_HDR	19.203	18.990	0.213		
100	B43_Unbiased_HDR	19.008	18.846	0.162		
100	B49_Unbiased_HDR	19.203	18.920	0.283		
100	B70_Unbiased_HDR	19.008	18.862	0.146		
100	B71_Unbiased_HDR	18.804	18.642	0.142		
100	B72_Unbiased_HDR	19.118	18.937	0.181		
100	B73_Unbiased_HDR	19.076	18.932	0.144		
100	B74_Unbiased_HDR	19.076	18.771	0.305		
100	B77_Unbiased_HDR	18.992	18.966	0.026		
100	B78_Unbiased_HDR	19.107	19.044	0.063		
100	B79_Unbiased_HDR	18.876	18.791	0.085		
100	B80_Unbiased_HDR	19.048	18.873	0.175		
100	C70_Unbiased_HDR	18.922	18.655	0.267		
100	C71_Unbiased_HDR	18.887	18.684	0.203		
100	C72_Unbiased_HDR	18.870	18.702	0.168		
100	C73_Unbiased_HDR	19.020	18.817	0.203		
100	C75_Unbiased_HDR	18.766	18.538	0.228		
100	C76_Unbiased_HDR	18.986	18.831	0.155		
100	C79_Unbiased_HDR	19.011	18.851	0.060		
0	106_Corr	18.700	18.700	0.000		
50	A92_Biased_LDR	19.240	19.236	0.004	-0.087	
50	A93_Biased_LDR	18.960	18.865	0.095		
50	B12_Biased_LDR	19.142	19.306	-0.164		
50	B13_Biased_LDR	18.676	19.209	-0.533		
50	C14_Biased_LDR	19.019	19.106	-0.087		
50	A95_Unbiased_LDR	19.184	19.137	0.047	-0.007	
50	A96_Unbiased_LDR	19.063	19.060	-0.007		
50	B15_Unbiased_LDR	19.095	19.146	-0.051		
50	B16_Unbiased_LDR	19.344	19.209	0.045		
50	C15_Unbiased_LDR	18.861	19.163	-0.211		
0	106_Corr	18.836	18.796	0.040		
100	A97_Biased_LDR	19.313	19.140	0.173	0.078	
100	A99_Biased_LDR	18.952	18.865	0.087		
100	A100_Biased_LDR	19.229	19.148	0.081		
100	A101_Biased_LDR	19.184	18.973	0.211		
100	A102_Biased_LDR	19.202	19.017	0.185		
100	A104_Biased_LDR	18.415	18.590	-0.175		
100	A105_Biased_LDR	18.905	18.790	0.115		
100	B17_Biased_LDR	18.975	19.076	-0.101		
100	B18_Biased_LDR	18.986	19.044	-0.058		
100	B19_Biased_LDR	18.742	19.024	-0.262		
100	B20_Biased_LDR	19.088	18.984	0.104		
100	B21_Biased_LDR	19.250	19.132	0.118		
100	B24_Biased_LDR	18.798	18.851	-0.053		
100	B25_Biased_LDR	18.936	18.862	0.074		
100	B26_Biased_LDR	18.740	18.808	-0.068		
100	C16_Biased_LDR	18.968	18.866	0.082		
100	C17_Biased_LDR	19.183	19.069	0.114		
100	C18_Biased_LDR	18.806	18.787	0.019		
100	C19_Biased_LDR	18.864	18.876	-0.012		
100	C25_Biased_LDR	19.227	19.233	-0.006		
100	C26_Biased_LDR	18.806	18.807	-0.001		
100	C31_Biased_LDR	19.141	19.044	0.097		
100	A107_Unbiased_LDR	19.166	19.116	0.050	0.043	
100	A108_Unbiased_LDR	19.391	19.362	0.029		
100	A109_Unbiased_LDR	18.443	18.358	0.085		
100	A110_Unbiased_LDR	18.863	18.846	0.017		
100	A111_Unbiased_LDR	18.978	18.879	0.099		
100	A112_Unbiased_LDR	18.983	19.044	-0.061		
100	A113_Unbiased_LDR	18.872	19.021	-0.149		
100	B27_Unbiased_LDR	18.817	19.471	-0.854		
100	B29_Unbiased_LDR	19.035	18.935	0.100		
100	B30_Unbiased_LDR	19.320	19.101	0.219		
100	B31_Unbiased_LDR	18.801	18.840	-0.139		
100	B32_Unbiased_LDR	19.352	19.134	0.218		
100	B33_Unbiased_LDR	18.836	19.102	-0.266		
100	B34_Unbiased_LDR	19.123	19.012	0.111		
100	B35_Unbiased_LDR	19.188	19.133	0.055		
100	C32_Unbiased_LDR	19.008	18.960	0.048		
100	C33_Unbiased_LDR	19.102	19.074	0.028		
100	C34_Unbiased_LDR	19.201	19.153	0.048		
100	C35_Unbiased_LDR	18.842	18.811	0.031		
100	C36_Unbiased_LDR	18.808	18.801	0.007		
100	C37_Unbiased_LDR	19.090	19.051	0.039		
100	C38_Unbiased_LDR	19.088	18.925	0.133		
Max		19.395	19.899	0.305		
Average		18.964	18.949	0.015		
Min		18.415	18.358	-1.194		
Std Dev		0.203	0.211	0.209		



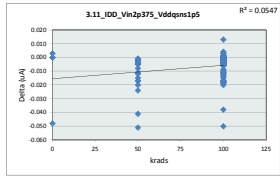
3.10_IQ_Vin2p375_Vddqns1p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Max Limit	30		mA			
Min Limit	0.1		mA			
krads	LL	0.100	0.100	0.100		
Min	18.700	18.835	18.358			
Average	18.758	19.079	18.928			
Max	18.817	19.306	19.899			
UL	30.000	30.000	30.000			



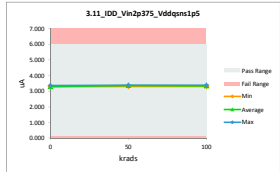
TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

3.11_IDD_Vin2p375_Vddqns1p5	
Test Site	Dallas, Tx
Tester	ETS
Test Number	EF636800
Part	uA
Max Limit	6
Min Limit	0.1

Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	3.319	3.367	-0.048		
50	A126_Biased_HDR	3.364	3.368	-0.004	-0.008	0.500
50	A126_Unbiased_HDR	3.360	3.368	-0.008		
50	B48_Biased_HDR	3.353	3.370	-0.017		
50	B49_Unbiased_HDR	3.351	3.371	-0.020		
50	C51_Biased_HDR	3.373	3.374	-0.001		
50	A130_Unbiased_HDR	3.352	3.369	-0.017	-0.015	0.333
50	A133_Unbiased_HDR	3.362	3.373	-0.011		
50	B50_Unbiased_HDR	3.360	3.375	-0.015		
50	B51_Unbiased_HDR	3.321	3.372	-0.051		
50	C53_Unbiased_HDR	3.311	3.314	-0.003		
0	106_Corr	3.298	3.295	0.003		
100	A132_Biased_HDR	3.342	3.359	-0.017	-0.003	1.429
100	A134_Biased_HDR	3.342	3.392	-0.050		
100	A135_Biased_HDR	3.323	3.334	-0.011		
100	B52_Biased_HDR	3.321	3.326	-0.005		
100	B54_Biased_HDR	3.362	3.371	-0.009		
100	B55_Biased_HDR	3.342	3.362	-0.020		
100	B56_Biased_HDR	3.355	3.359	-0.004		
100	B57_Biased_HDR	3.312	3.329	-0.017		
100	B59_Biased_HDR	3.354	3.373	-0.019		
100	B62_Biased_HDR	3.365	3.365	0.000		
100	B63_Biased_HDR	3.352	3.353	-0.001		
100	B64_Biased_HDR	3.371	3.370	0.001		
100	B66_Biased_HDR	3.373	3.374	-0.001		
100	B68_Biased_HDR	3.374	3.374	0.000		
100	C54_Biased_HDR	3.367	3.367	0.000		
100	C54_Unbiased_HDR	3.317	3.320	-0.003		
100	C55_Biased_HDR	3.361	3.363	-0.002		
100	C57_Biased_HDR	3.319	3.319	0.000		
100	C58_Biased_HDR	3.330	3.329	0.001		
100	C59_Biased_HDR	3.336	3.340	-0.004		
100	C45_Biased_HDR	3.331	3.335	-0.004		
100	C67_Biased_HDR	3.311	3.312	-0.001		
100	A122_Unbiased_HDR	3.347	3.365	-0.018	-0.002	2.250
100	A138_Unbiased_HDR	3.300	3.314	-0.014		
100	A139_Unbiased_HDR	3.349	3.367	-0.018		
100	B60_Unbiased_HDR	3.367	3.370	-0.003		
100	B61_Unbiased_HDR	3.369	3.356	0.013		
100	B62_Unbiased_HDR	3.367	3.368	-0.001		
100	B70_Unbiased_HDR	3.369	3.371	-0.002		
100	B71_Unbiased_HDR	3.328	3.328	0.000		
100	B72_Unbiased_HDR	3.357	3.356	0.001		
100	B73_Unbiased_HDR	3.358	3.357	0.001		
100	B74_Unbiased_HDR	3.342	3.344	-0.002		
100	B77_Unbiased_HDR	3.333	3.338	-0.005		
100	B78_Unbiased_HDR	3.372	3.375	-0.003		
100	B79_Unbiased_HDR	3.370	3.369	0.001		
100	B80_Unbiased_HDR	3.345	3.346	-0.001		
100	C70_Unbiased_HDR	3.336	3.339	-0.003		
100	C71_Unbiased_HDR	3.329	3.322	0.004		
100	C72_Unbiased_HDR	3.344	3.344	0.000		
100	C73_Unbiased_HDR	3.356	3.358	-0.002		
100	C75_Unbiased_HDR	3.324	3.325	-0.001		
100	C76_Unbiased_HDR	3.350	3.355	-0.005		
100	C79_Unbiased_HDR	3.358	3.364	-0.006		
0	108_Corr	3.282	3.282	0.000		
50	A92_Biased_LDR	3.369	3.371	-0.002	-0.004	
50	A93_Biased_LDR	3.344	3.345	-0.001		
50	B12_Biased_LDR	3.364	3.376	-0.012		
50	B13_Biased_LDR	3.369	3.393	-0.024		
50	C14_Biased_LDR	3.341	3.345	-0.004		
50	A95_Unbiased_LDR	3.383	3.385	-0.002	-0.005	
50	B96_Unbiased_LDR	3.355	3.360	-0.005		
50	B15_Unbiased_LDR	3.366	3.371	-0.005		
50	B16_Unbiased_LDR	3.368	3.369	-0.001		
50	C15_Unbiased_LDR	3.312	3.313	-0.001		
0	106_Corr	3.297	3.297	0.000		
100	A99_Biased_LDR	3.385	3.382	0.003	-0.005	
100	A100_Biased_LDR	3.344	3.348	-0.004		
100	A101_Biased_LDR	3.361	3.364	-0.003		
100	A101_Unbiased_LDR	3.357	3.357	0.000		
100	A102_Biased_LDR	3.352	3.349	0.003		
100	A104_Biased_LDR	3.328	3.341	-0.013		
100	A105_Biased_LDR	3.360	3.362	-0.002		
100	B71_Biased_LDR	3.345	3.357	-0.012		
100	B18_Biased_LDR	3.347	3.356	-0.009		
100	B19_Biased_LDR	3.361	3.378	-0.017		
100	B20_Biased_LDR	3.369	3.368	0.001		
100	B21_Biased_LDR	3.370	3.375	-0.005		
100	B24_Biased_LDR	3.353	3.365	-0.012		
100	B25_Biased_LDR	3.337	3.342	-0.005		
100	B26_Biased_LDR	3.321	3.332	-0.011		
100	C16_Biased_LDR	3.312	3.318	-0.006		
100	C17_Biased_LDR	3.350	3.352	-0.002		
100	C18_Biased_LDR	3.339	3.343	-0.004		
100	C19_Biased_LDR	3.347	3.352	-0.005		
100	C25_Biased_LDR	3.340	3.345	-0.005		
100	C26_Biased_LDR	3.318	3.324	-0.006		
100	C31_Biased_LDR	3.340	3.346	-0.006		
100	A107_Unbiased_LDR	3.347	3.352	-0.005	-0.005	
100	A108_Unbiased_LDR	3.371	3.371	0.000		
100	A109_Unbiased_LDR	3.321	3.326	-0.005		
100	A110_Unbiased_LDR	3.358	3.363	-0.005		
100	A111_Unbiased_LDR	3.368	3.370	-0.002		
100	A112_Unbiased_LDR	3.363	3.369	-0.006		
100	A113_Unbiased_LDR	3.349	3.364	-0.015		
100	B27_Unbiased_LDR	3.336	3.374	-0.038		
100	B29_Unbiased_LDR	3.364	3.366	-0.002		
100	B50_Unbiased_LDR	3.373	3.370	0.003		
100	B51_Unbiased_LDR	3.358	3.368	-0.010		
100	B52_Unbiased_LDR	3.372	3.372	0.000		
100	B53_Unbiased_LDR	3.354	3.372	-0.018		
100	B34_Unbiased_LDR	3.365	3.366	-0.001		
100	B35_Unbiased_LDR	3.374	3.378	-0.004		
100	C30_Unbiased_LDR	3.372	3.378	-0.006		
100	C33_Unbiased_LDR	3.340	3.343	-0.003		
100	C34_Unbiased_LDR	3.371	3.375	-0.004		
100	C35_Unbiased_LDR	3.313	3.318	-0.005		
100	C36_Unbiased_LDR	3.311	3.316	-0.005		
100	C37_Unbiased_LDR	3.347	3.351	-0.004		
100	C38_Unbiased_LDR	3.360	3.363	-0.003		
	Max	3.385	3.393	0.013		
	Average	3.347	3.354	-0.007		
	Min	3.282	3.282	-0.001		
	Std Dev	0.021	0.022	0.011		

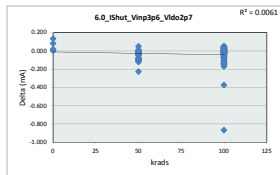


3.11_IDD_Vin2p375_Vddqns1p5	
Test Site	Dallas, Tx
Tester	ETS
Test Number	EF636800
Max Limit	6 uA
Min Limit	0.1 uA
LL	0.100
Min	3.282
Average	3.310
Max	3.367
UL	6.000

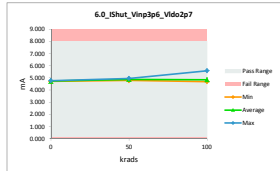


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.0_I_Shut_Vinpp3p6_Vldo2p7						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	m3		m3			
Max Limit	8		8			
Min Limit	0.1		0.1			
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	4.862	4.728	0.134		
50	A126_Biased_HDR	4.814	4.824	-0.010	-0.035	1.514
50	A126_Unbiased_HDR	4.779	4.814	-0.035		
50	B48_Biased_HDR	4.735	4.848	-0.113		
50	B49_Unbiased_HDR	4.796	4.900	-0.104		
50	C51_Biased_HDR	4.812	4.803	0.009		
50	A130_Unbiased_HDR	4.809	4.905	-0.096	-0.080	0.362
50	N131_Unbiased_HDR	4.840	4.864	-0.024		
50	B50_Unbiased_HDR	4.838	4.918	-0.080		
50	B51_Unbiased_HDR	4.753	4.877	-0.124		
50	C53_Unbiased_HDR	4.841	4.791	0.050		
0	I06_Corr	4.793	4.714	0.079		
100	A132_Biased_HDR	4.703	4.843	-0.140	-0.023	1.065
100	A134_Biased_HDR	4.727	5.596	-0.869		
100	A135_Biased_HDR	4.731	4.799	-0.068		
100	B82_Biased_HDR	4.752	4.807	-0.055		
100	B84_Biased_HDR	4.769	4.845	-0.076		
100	B85_Biased_HDR	4.671	4.790	-0.119		
100	B86_Biased_HDR	4.877	4.908	-0.031		
100	B87_Biased_HDR	4.703	4.876	-0.173		
100	B89_Biased_HDR	4.726	4.876	-0.150		
100	B82_Unbiased_HDR	4.940	4.934	0.006		
100	B83_Unbiased_HDR	4.864	4.873	-0.009		
100	B84_Unbiased_HDR	4.860	4.877	-0.017		
100	B86_Unbiased_HDR	4.872	4.867	0.005		
100	B88_Unbiased_HDR	4.832	4.857	-0.025		
100	C54_Biased_HDR	4.853	4.852	0.001		
100	C55_Biased_HDR	4.776	4.788	-0.012		
100	C56_Biased_HDR	4.819	4.838	-0.019		
100	C57_Biased_HDR	4.777	4.798	-0.021		
100	C58_Biased_HDR	4.892	4.896	-0.004		
100	C59_Biased_HDR	4.782	4.786	-0.004		
100	C45_Biased_HDR	4.806	4.809	-0.003		
100	C47_Biased_HDR	4.756	4.780	0.016		
100	A132_Unbiased_HDR	4.734	4.856	-0.122	0.016	-1.061
100	A136_Unbiased_HDR	4.697	4.776	-0.079		
100	A139_Unbiased_HDR	4.695	4.809	-0.114		
100	B80_Unbiased_HDR	4.867	4.842	0.025		
100	B83_Unbiased_HDR	4.843	4.804	0.039		
100	B89_Unbiased_HDR	4.867	4.823	0.044		
100	B90_Unbiased_HDR	4.843	4.827	0.016		
100	B71_Unbiased_HDR	4.793	4.779	0.014		
100	B72_Unbiased_HDR	4.843	4.817	0.026		
100	B73_Unbiased_HDR	4.834	4.819	0.015		
100	B74_Unbiased_HDR	4.865	4.832	0.033		
100	B77_Unbiased_HDR	4.820	4.832	-0.012		
100	B78_Unbiased_HDR	4.860	4.869	-0.009		
100	B79_Unbiased_HDR	4.756	4.756	0.010		
100	B80_Unbiased_HDR	4.874	4.852	0.022		
100	C70_Unbiased_HDR	4.824	4.785	0.039		
100	C71_Unbiased_HDR	4.810	4.772	0.038		
100	C72_Unbiased_HDR	4.800	4.783	0.017		
100	C73_Unbiased_HDR	4.862	4.836	0.026		
100	C75_Unbiased_HDR	4.783	4.740	0.043		
100	C76_Unbiased_HDR	4.834	4.821	0.013		
100	C79_Unbiased_HDR	4.819	4.833	-0.014		
0	I08_Corr	4.769	4.769	0.000		
50	A92_Biased_LDR	4.890	4.912	-0.022	-0.053	
50	A93_Biased_LDR	4.850	4.852	-0.002		
50	B12_Biased_LDR	4.864	4.959	-0.095		
50	B13_Biased_LDR	4.691	4.920	-0.229		
50	C14_Biased_LDR	4.865	4.918	-0.053		
50	A95_Unbiased_LDR	4.873	4.884	-0.011	-0.029	
50	A96_Unbiased_LDR	4.847	4.876	-0.029		
50	B16_Unbiased_LDR	4.877	4.920	-0.043		
50	B16_Unbiased_LDR	4.938	4.946	-0.008		
50	C15_Unbiased_LDR	4.838	4.900	-0.062		
0	I06_Corr	4.758	4.742	0.016		
100	A97_Biased_LDR	4.916	4.897	0.019	-0.025	
100	A99_Biased_LDR	4.836	4.860	-0.024		
100	A100_Biased_LDR	4.898	4.919	-0.021		
100	A101_Biased_LDR	4.895	4.870	0.025		
100	A102_Biased_LDR	4.888	4.900	-0.012		
100	A104_Biased_LDR	4.645	4.756	-0.111		
100	A105_Biased_LDR	4.785	4.789	-0.004		
100	B17_Biased_LDR	4.837	4.915	-0.078		
100	B18_Biased_LDR	4.818	4.887	-0.069		
100	B19_Biased_LDR	4.735	4.875	-0.140		
100	B20_Biased_LDR	4.864	4.870	-0.006		
100	B21_Biased_LDR	4.922	4.929	-0.007		
100	B24_Biased_LDR	4.752	4.828	-0.076		
100	B25_Biased_LDR	4.839	4.858	-0.019		
100	B26_Biased_LDR	4.779	4.855	-0.076		
100	C16_Biased_LDR	4.824	4.849	-0.025		
100	C17_Biased_LDR	4.886	4.897	-0.011		
100	C18_Biased_LDR	4.780	4.815	-0.035		
100	C19_Biased_LDR	4.794	4.859	-0.065		
100	C25_Biased_LDR	4.894	4.949	-0.055		
100	C26_Biased_LDR	4.745	4.784	-0.039		
100	C31_Biased_LDR	4.875	4.888	-0.013		
100	A107_Unbiased_LDR	4.896	4.921	-0.025	-0.017	
100	A108_Unbiased_LDR	4.938	4.959	-0.021		
100	A109_Unbiased_LDR	4.697	4.706	-0.009		
100	A110_Unbiased_LDR	4.794	4.808	-0.014		
100	A111_Unbiased_LDR	4.810	4.814	-0.004		
100	A112_Unbiased_LDR	4.860	4.910	-0.050		
100	A113_Unbiased_LDR	4.801	4.892	-0.091		
100	B27_Unbiased_LDR	4.791	5.167	-0.376		
100	B29_Unbiased_LDR	4.861	4.869	-0.008		
100	B30_Unbiased_LDR	4.950	4.915	0.035		
100	B31_Unbiased_LDR	4.787	4.862	-0.075		
100	B32_Unbiased_LDR	4.934	4.900	0.034		
100	B33_Unbiased_LDR	4.778	4.911	-0.133		
100	B34_Unbiased_LDR	4.865	4.866	-0.001		
100	B35_Unbiased_LDR	4.925	4.943	-0.018		
100	C32_Unbiased_LDR	4.828	4.849	-0.021		
100	C33_Unbiased_LDR	4.880	4.894	-0.014		
100	C34_Unbiased_LDR	4.892	4.910	-0.018		
100	C35_Unbiased_LDR	4.759	4.776	-0.017		
100	C36_Unbiased_LDR	4.795	4.826	-0.031		
100	C37_Unbiased_LDR	4.870	4.887	-0.017		
100	C38_Unbiased_LDR	4.841	4.856	0.005		
	Max	4.950	5.596	0.134		
	Average	4.821	4.860	-0.039		
	Min	4.645	4.706	-0.869		
	Std Dev	0.064	0.096	0.102		

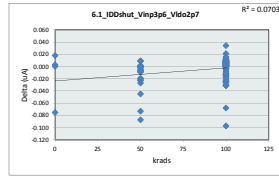


6.0_I_Shut_Vinpp3p6_Vldo2p7						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	m3		m3			
Max Limit	8		8			
Min Limit	0.1		0.1			
Krads	0	50	100			
LL	0.100	0.100	0.100			
Min	4.714	4.791	4.706			
Average	4.738	4.882	4.861			
Max	4.769	4.959	5.596			
UL	8.000	8.000	8.000			

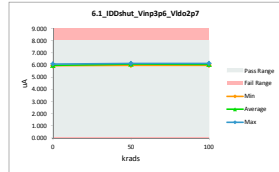


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.1_IDDshut_Vmp3p6_Vldo2p7									
Dallas, Tx					Dallas, Tx				
Test Site	Dallas, Tx				Dallas, Tx				
Tester	ETS				ETS				
Test Number	EF636800				EF636800				
Unit	uA				uA				
Max Limit	B				B				
Min Limit	0.1				0.1				
krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio			
0	374_Corr	6.012	6.087	-0.075					
50	A126_Biased_HDR	6.089	6.089	0.000	-0.008	0.750			
50	A126_Unbiased_HDR	6.084	6.092	-0.008					
50	B48_Biased_HDR	6.069	6.092	-0.023					
50	B49_Unbiased_HDR	6.066	6.093	-0.027					
50	C51_Biased_HDR	6.108	6.099	0.009					
50	A130_Unbiased_HDR	6.068	6.091	-0.023	-0.021	0.238			
50	B50_Unbiased_HDR	6.087	6.096	-0.009					
50	B50_Biased_HDR	6.082	6.103	-0.021					
50	B51_Unbiased_HDR	6.012	6.099	-0.087					
50	C53_Unbiased_HDR	5.996	5.987	0.009					
0	106_Corr	5.974	5.956	0.018					
100	A132_Biased_HDR	6.048	6.072	-0.024	0.003	0.333			
100	A134_Unbiased_HDR	6.049	6.146	-0.097					
100	A135_Biased_HDR	6.015	6.030	-0.015					
100	B82_Biased_HDR	6.011	6.011	0.000					
100	B84_Unbiased_HDR	6.085	6.097	-0.012					
100	B85_Biased_HDR	6.050	6.076	-0.026					
100	B86_Unbiased_HDR	6.075	6.074	0.001					
100	B87_Biased_HDR	6.095	6.021	-0.074					
100	B89_Biased_HDR	6.071	6.102	-0.031					
100	B82_Unbiased_HDR	6.093	6.085	0.008					
100	B84_Biased_HDR	6.049	6.062	0.007					
100	B84_Unbiased_HDR	6.104	6.095	0.009					
100	B86_Biased_HDR	6.109	6.100	0.009					
100	B86_Unbiased_HDR	6.107	6.097	0.010					
100	C54_Biased_HDR	6.096	6.087	0.009					
100	C55_Unbiased_HDR	6.005	6.006	0.006					
100	C56_Biased_HDR	6.085	6.083	0.002					
100	C57_Unbiased_HDR	6.010	6.000	0.010					
100	C58_Biased_HDR	6.031	6.033	-0.002					
100	C59_Unbiased_HDR	6.041	6.037	0.004					
100	C45_Biased_HDR	6.033	6.031	0.002					
100	C47_Biased_HDR	6.004	5.987	0.007					
100	A122_Unbiased_HDR	6.058	6.081	-0.023	0.007	0.357			
100	A138_Unbiased_HDR	5.973	5.990	-0.017					
100	A139_Unbiased_HDR	6.042	6.087	-0.045					
100	B80_Unbiased_HDR	6.098	6.091	0.007					
100	B81_Unbiased_HDR	6.100	6.066	0.034					
100	B80_Biased_HDR	6.098	6.088	0.010					
100	B70_Unbiased_HDR	6.100	6.093	0.007					
100	B71_Unbiased_HDR	6.026	6.017	0.009					
100	B72_Unbiased_HDR	6.078	6.071	0.007					
100	B73_Unbiased_HDR	6.080	6.071	0.009					
100	B74_Unbiased_HDR	6.051	6.044	0.007					
100	B77_Unbiased_HDR	6.035	6.032	0.003					
100	B78_Unbiased_HDR	6.105	6.100	0.005					
100	B79_Unbiased_HDR	6.101	6.092	0.009					
100	B80_Unbiased_HDR	6.058	6.049	0.009					
100	C70_Unbiased_HDR	6.041	6.033	0.008					
100	C71_Unbiased_HDR	6.021	6.007	0.014					
100	C72_Unbiased_HDR	6.053	6.046	0.007					
100	C73_Unbiased_HDR	6.077	6.068	0.009					
100	C75_Unbiased_HDR	6.019	6.008	0.011					
100	C76_Unbiased_HDR	6.065	6.063	0.002					
100	C79_Unbiased_HDR	6.081	6.081	0.000					
0	106_Corr	5.941	5.941	0.000					
50	A92_Biased_LDR	6.103	6.105	-0.002	-0.006				
50	A92_Unbiased_LDR	6.096	6.096	0.000					
50	B12_Biased_LDR	6.093	6.112	-0.019					
50	B13_Unbiased_LDR	6.100	6.145	-0.045					
50	C14_Biased_LDR	6.081	6.087	-0.006					
50	A95_Unbiased_LDR	6.127	6.129	-0.002	-0.005				
50	B96_Unbiased_LDR	6.077	6.082	-0.005					
50	B15_Unbiased_LDR	6.096	6.104	-0.008					
50	B16_Unbiased_LDR	6.102	6.100	0.002					
50	C15_Unbiased_LDR	6.098	6.071	0.027					
0	106_Corr	5.927	5.924	0.003					
100	A99_Biased_LDR	6.132	6.120	0.012	0.001				
100	A99_Unbiased_LDR	6.054	6.059	-0.005					
100	A100_Biased_LDR	6.086	6.084	0.002					
100	A101_Biased_LDR	6.079	6.070	0.009					
100	A102_Biased_LDR	6.073	6.052	0.021					
100	A104_Biased_LDR	6.023	6.045	-0.022					
100	A105_Biased_LDR	6.084	6.080	0.004					
100	B71_Biased_LDR	6.097	6.071	0.026					
100	B18_Biased_LDR	6.061	6.069	-0.008					
100	B19_Biased_LDR	6.083	6.114	-0.031					
100	B20_Biased_LDR	6.100	6.094	0.006					
100	B21_Biased_LDR	6.106	6.105	0.001					
100	B24_Biased_LDR	6.049	6.082	-0.033					
100	B25_Biased_LDR	6.043	6.039	0.004					
100	B26_Biased_LDR	6.013	6.028	-0.015					
100	C16_Biased_LDR	6.099	6.096	0.003					
100	C17_Biased_LDR	6.067	6.067	0.000					
100	C18_Biased_LDR	6.047	6.046	0.001					
100	C19_Biased_LDR	6.061	6.063	-0.002					
100	C25_Biased_LDR	6.049	6.052	-0.003					
100	C26_Biased_LDR	6.010	6.009	0.001					
100	C31_Biased_LDR	6.050	6.045	0.005					
100	A107_Unbiased_LDR	6.061	6.063	-0.002	0.003				
100	A108_Unbiased_LDR	6.104	6.099	0.005					
100	A109_Unbiased_LDR	6.014	6.010	0.004					
100	A110_Unbiased_LDR	6.081	6.079	0.002					
100	A111_Unbiased_LDR	6.100	6.095	0.005					
100	A112_Unbiased_LDR	6.091	6.094	-0.003					
100	A113_Unbiased_LDR	6.066	6.084	-0.018					
100	B27_Unbiased_LDR	6.043	6.111	-0.068					
100	B29_Unbiased_LDR	6.093	6.091	0.002					
100	B85_Unbiased_LDR	6.112	6.100	0.012					
100	B31_Unbiased_LDR	6.078	6.089	-0.011					
100	B32_Unbiased_LDR	6.109	6.093	0.016					
100	B33_Unbiased_LDR	6.071	6.101	-0.030					
100	B34_Unbiased_LDR	6.093	6.090	0.003					
100	B35_Unbiased_LDR	6.110	6.107	0.003					
100	C30_Unbiased_LDR	5.998	5.996	0.002					
100	C33_Unbiased_LDR	6.048	6.042	0.006					
100	C34_Unbiased_LDR	6.105	6.101	0.004					
100	C35_Unbiased_LDR	5.999	5.999	0.001					
100	C36_Unbiased_LDR	5.996	5.996	0.000					
100	C37_Unbiased_LDR	6.062	6.057	0.005					
100	C38_Unbiased_LDR	6.085	6.082	0.003					
	Max	6.132	6.146	0.034					
	Average	6.061	6.065	-0.005					
	Min	5.941	5.941	-0.097					
	Std Dev	0.039	0.041	0.021					

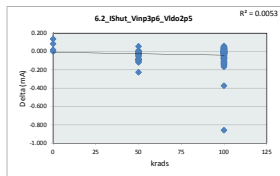


6.1_IDDshut_Vmp3p6_Vldo2p7									
Dallas, Tx					Dallas, Tx				
Test Site	Dallas, Tx				Dallas, Tx				
Tester	ETS				ETS				
Test Number	EF636800				EF636800				
Unit	uA				uA				
Max Limit	B				B				
Min Limit	0.1				0.1				
krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio			
LL	0.100	0.100	0.100						
Min	5.941	5.987	5.987						
Average	5.987	6.090	6.063						
Max	6.087	6.145	6.146						
UL	8.000	8.000	8.000						

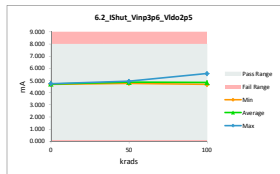


TID ELDRS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.2_I_Shut_Vinip3p6_Vldo2p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	mA		mA			
Max Limit	8		8			
Min Limit	0.1		0.1			
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	4.844	4.707	0.137		
50	A126_Biased_HDR	4.799	4.804	-0.005	-0.032	1.625
50	A126_Unbiased_HDR	4.764	4.796	-0.032		
50	B48_Biased_HDR	4.721	4.827	-0.106		
50	B49_Unbiased_HDR	4.780	4.879	-0.099		
50	C51_Biased_HDR	4.796	4.784	0.012		
50	A130_Unbiased_HDR	4.795	4.885	-0.090	-0.076	0.395
50	A131_Unbiased_HDR	4.825	4.847	-0.022		
50	B50_Unbiased_HDR	4.823	4.899	-0.076		
50	B51_Unbiased_HDR	4.739	4.858	-0.119		
50	C53_Unbiased_HDR	4.827	4.732	0.095		
0	Vdc_Corr	4.777	4.693	0.084		
100	A132_Biased_HDR	4.688	4.822	-0.134	-0.018	1.333
100	A134_Biased_HDR	4.714	5.574	-0.860		
100	A135_Biased_HDR	4.718	4.779	-0.061		
100	B82_Biased_HDR	4.737	4.786	-0.049		
100	B84_Biased_HDR	4.754	4.837	-0.073		
100	B85_Biased_HDR	4.656	4.771	-0.115		
100	B86_Biased_HDR	4.862	4.889	-0.027		
100	B87_Biased_HDR	4.689	4.857	-0.168		
100	B89_Biased_HDR	4.712	4.857	-0.145		
100	B82_Unbiased_HDR	4.925	4.915	0.010		
100	B83_Unbiased_HDR	4.850	4.853	-0.003		
100	B84_Unbiased_HDR	4.845	4.856	-0.011		
100	B86_Unbiased_HDR	4.857	4.846	0.011		
100	B88_Unbiased_HDR	4.817	4.837	-0.020		
100	C54_Biased_HDR	4.838	4.832	0.006		
100	C55_Biased_HDR	4.762	4.769	-0.007		
100	C56_Biased_HDR	4.804	4.817	-0.013		
100	C57_Biased_HDR	4.764	4.780	-0.016		
100	C58_Biased_HDR	4.877	4.877	0.000		
100	C59_Biased_HDR	4.767	4.765	0.002		
100	C45_Biased_HDR	4.792	4.788	0.004		
100	C47_Biased_HDR	4.783	4.761	0.022		
100	A122_Unbiased_HDR	4.721	4.837	-0.116	0.022	-0.727
100	A138_Unbiased_HDR	4.683	4.758	-0.075		
100	A139_Unbiased_HDR	4.682	4.788	-0.106		
100	B80_Unbiased_HDR	4.851	4.823	0.028		
100	B83_Unbiased_HDR	4.828	4.783	0.045		
100	B84_Unbiased_HDR	4.851	4.804	0.047		
100	B80_Unbiased_HDR	4.828	4.808	0.020		
100	B71_Unbiased_HDR	4.778	4.759	0.019		
100	B72_Unbiased_HDR	4.828	4.797	0.031		
100	B73_Unbiased_HDR	4.819	4.798	0.021		
100	B74_Unbiased_HDR	4.850	4.792	0.058		
100	B77_Unbiased_HDR	4.805	4.812	-0.007		
100	B78_Unbiased_HDR	4.846	4.850	-0.004		
100	B79_Unbiased_HDR	4.780	4.766	0.014		
100	B80_Unbiased_HDR	4.859	4.830	0.029		
100	C70_Unbiased_HDR	4.810	4.765	0.045		
100	C71_Unbiased_HDR	4.796	4.752	0.044		
100	C72_Unbiased_HDR	4.785	4.762	0.023		
100	C73_Unbiased_HDR	4.848	4.816	0.032		
100	C75_Unbiased_HDR	4.768	4.720	0.048		
100	C76_Unbiased_HDR	4.819	4.801	0.018		
100	C79_Unbiased_HDR	4.805	4.815	-0.010		
0	Vdc_Corr	4.753	4.753	0.000		
50	A92_Biased_LDR	4.873	4.896	-0.023	-0.052	
50	A93_Biased_LDR	4.833	4.834	-0.001		
50	B12_Biased_LDR	4.847	4.941	-0.094		
50	B13_Biased_LDR	4.675	4.903	-0.228		
50	C14_Biased_LDR	4.849	4.901	-0.052		
50	A95_Unbiased_LDR	4.857	4.869	-0.012	-0.030	
50	A96_Unbiased_LDR	4.830	4.860	-0.030		
50	B15_Unbiased_LDR	4.860	4.904	-0.044		
50	B16_Unbiased_LDR	4.921	4.929	-0.008		
50	C15_Unbiased_LDR	4.891	4.883	0.008		
0	Vdc_Corr	4.741	4.733	0.018		
100	A97_Biased_LDR	4.899	4.876	0.023	-0.024	
100	A99_Biased_LDR	4.819	4.843	-0.024		
100	A100_Biased_LDR	4.881	4.902	-0.021		
100	A101_Biased_LDR	4.878	4.849	0.029		
100	A102_Biased_LDR	4.869	4.880	-0.011		
100	A104_Biased_LDR	4.629	4.736	-0.107		
100	A105_Biased_LDR	4.768	4.770	-0.002		
100	B17_Biased_LDR	4.820	4.895	-0.075		
100	B18_Biased_LDR	4.803	4.867	-0.064		
100	B19_Biased_LDR	4.719	4.855	-0.136		
100	B20_Biased_LDR	4.846	4.851	-0.005		
100	B21_Biased_LDR	4.905	4.911	-0.006		
100	B24_Biased_LDR	4.736	4.807	-0.071		
100	B25_Biased_LDR	4.822	4.839	-0.017		
100	B26_Biased_LDR	4.762	4.837	-0.075		
100	C16_Biased_LDR	4.808	4.832	-0.024		
100	C17_Biased_LDR	4.869	4.879	-0.010		
100	C18_Biased_LDR	4.762	4.797	-0.035		
100	C19_Biased_LDR	4.776	4.820	-0.044		
100	C25_Biased_LDR	4.877	4.928	-0.051		
100	C26_Biased_LDR	4.728	4.763	-0.035		
100	C31_Biased_LDR	4.859	4.870	-0.011		
100	A107_Unbiased_LDR	4.880	4.902	-0.022	-0.016	
100	A108_Unbiased_LDR	4.920	4.940	-0.020		
100	A109_Unbiased_LDR	4.682	4.686	-0.004		
100	A110_Unbiased_LDR	4.778	4.789	-0.011		
100	A111_Unbiased_LDR	4.794	4.796	-0.002		
100	A112_Unbiased_LDR	4.843	4.890	-0.047		
100	A113_Unbiased_LDR	4.785	4.871	-0.086		
100	B27_Unbiased_LDR	4.714	5.148	-0.374		
100	B29_Unbiased_LDR	4.843	4.851	-0.008		
100	B30_Unbiased_LDR	4.932	4.896	0.036		
100	B31_Unbiased_LDR	4.771	4.844	-0.073		
100	B32_Unbiased_LDR	4.917	4.879	0.038		
100	B33_Unbiased_LDR	4.847	4.891	-0.130		
100	B34_Unbiased_LDR	4.847	4.846	0.001		
100	B35_Unbiased_LDR	4.908	4.924	-0.016		
100	C32_Unbiased_LDR	4.812	4.831	-0.019		
100	C33_Unbiased_LDR	4.863	4.873	-0.010		
100	C34_Unbiased_LDR	4.874	4.892	-0.018		
100	C35_Unbiased_LDR	4.744	4.758	-0.014		
100	C36_Unbiased_LDR	4.777	4.806	-0.029		
100	C37_Unbiased_LDR	4.853	4.869	-0.016		
100	C38_Unbiased_LDR	4.823	4.817	0.006		
	Max	4.932	5.574	0.137		
	Average	4.895	4.841	-0.056		
	Min	4.629	4.686	-0.860		
	Std Dev	0.063	0.096	0.102		

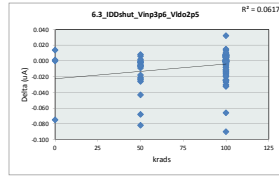


6.2_I_Shut_Vinip3p6_Vldo2p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Max Limit	8		mA			
Min Limit	0.1		mA			
krads	LL	50	100	LL	50	100
	0.100	0.100	0.100			
Min	4.693	4.772	4.686			
Average	4.719	4.864	4.841			
Max	4.753	4.941	5.574			
UL	8.000	8.000	8.000			

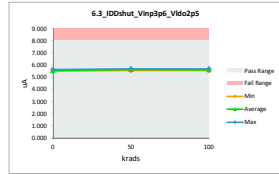


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.3_IDDshut_Vmp3p6_Vldo2p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	uA		uA			
Max Limit	8		8			
Min Limit	0.1		0.1			
Krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	5.564	5.639	-0.075		
50	A128_Biased_HDR	5.638	5.639	-0.001	-0.009	0.667
50	A129_Biased_HDR	5.633	5.642	-0.009		
50	B48_Biased_HDR	5.621	5.644	-0.023		
50	B49_Biased_HDR	5.617	5.643	-0.026		
50	C51_Biased_HDR	5.656	5.650	0.006		
50	A130_Unbiased_HDR	5.619	5.643	-0.024	-0.021	0.190
50	A131_Unbiased_HDR	5.637	5.644	-0.007		
50	B50_Unbiased_HDR	5.632	5.653	-0.021		
50	B51_Unbiased_HDR	5.566	5.648	-0.082		
50	C53_Unbiased_HDR	5.553	5.545	0.008		
0	106_Corr	5.530	5.516	0.014		
100	A132_Biased_HDR	5.600	5.625	-0.025	0.002	-1.000
100	A134_Biased_HDR	5.601	5.691	-0.090		
100	A135_Biased_HDR	5.571	5.582	-0.011		
100	B82_Biased_HDR	5.567	5.568	-0.001		
100	B84_Biased_HDR	5.635	5.649	-0.014		
100	B85_Biased_HDR	5.602	5.629	-0.027		
100	B86_Biased_HDR	5.627	5.627	0.000		
100	B87_Biased_HDR	5.592	5.576	-0.014		
100	B89_Biased_HDR	5.621	5.651	-0.030		
100	B82_Unbiased_HDR	5.642	5.635	0.007		
100	B84_Unbiased_HDR	5.620	5.615	0.005		
100	B84_Biased_HDR	5.653	5.645	0.008		
100	B86_Biased_HDR	5.658	5.652	0.006		
100	B86_Unbiased_HDR	5.665	5.648	0.007		
100	C54_Biased_HDR	5.645	5.639	0.006		
100	C55_Biased_HDR	5.561	5.567	0.004		
100	C56_Biased_HDR	5.635	5.635	0.000		
100	C57_Biased_HDR	5.566	5.558	0.008		
100	C58_Biased_HDR	5.584	5.579	0.005		
100	C59_Biased_HDR	5.594	5.589	0.005		
100	C45_Biased_HDR	5.586	5.585	0.001		
100	C67_Biased_HDR	5.551	5.545	0.006		
100	A122_Unbiased_HDR	5.610	5.634	-0.024	0.006	-0.167
100	A138_Unbiased_HDR	5.530	5.550	-0.020		
100	A139_Unbiased_HDR	5.614	5.639	-0.025		
100	B60_Unbiased_HDR	5.647	5.643	0.004		
100	B61_Unbiased_HDR	5.650	5.618	0.032		
100	B62_Unbiased_HDR	5.647	5.641	0.006		
100	B70_Unbiased_HDR	5.650	5.642	0.008		
100	B71_Unbiased_HDR	5.579	5.572	0.007		
100	B72_Unbiased_HDR	5.629	5.624	0.005		
100	B73_Unbiased_HDR	5.630	5.623	0.007		
100	B74_Unbiased_HDR	5.604	5.597	0.007		
100	B77_Unbiased_HDR	5.588	5.587	0.001		
100	B78_Unbiased_HDR	5.654	5.649	0.005		
100	B79_Unbiased_HDR	5.651	5.644	0.007		
100	B80_Unbiased_HDR	5.610	5.604	0.006		
100	C70_Unbiased_HDR	5.594	5.586	0.008		
100	C71_Unbiased_HDR	5.576	5.562	0.014		
100	C72_Unbiased_HDR	5.604	5.599	0.005		
100	C73_Unbiased_HDR	5.627	5.618	0.009		
100	C75_Unbiased_HDR	5.574	5.566	0.008		
100	C76_Unbiased_HDR	5.617	5.615	0.002		
100	C79_Unbiased_HDR	5.631	5.633	-0.002		
0	158_Corr	5.499	5.499	0.000		
50	A92_Biased_LDR	5.649	5.651	-0.002	-0.006	
50	A93_Biased_LDR	5.607	5.607	0.000		
50	B12_Biased_LDR	5.640	5.658	-0.018		
50	B13_Biased_LDR	5.647	5.690	-0.043		
50	C14_Biased_LDR	5.601	5.607	-0.006		
50	A95_Unbiased_LDR	5.672	5.674	-0.002	-0.004	
50	B96_Unbiased_LDR	5.626	5.620	0.004		
50	B15_Unbiased_LDR	5.644	5.650	-0.006		
50	B16_Unbiased_LDR	5.649	5.647	0.002		
50	C15_Unbiased_LDR	5.552	5.630	-0.068		
0	106_Corr	5.523	5.522	0.001		
100	A99_Biased_LDR	5.674	5.668	0.006	-0.002	
100	A99_Unbiased_LDR	5.604	5.612	-0.008		
100	A100_Biased_LDR	5.634	5.633	0.001		
100	A101_Biased_LDR	5.628	5.621	0.007		
100	A102_Biased_LDR	5.620	5.605	0.015		
100	A104_Biased_LDR	5.577	5.595	-0.018		
100	A105_Biased_LDR	5.632	5.631	0.001		
100	B71_Biased_LDR	5.607	5.603	0.004		
100	B18_Biased_LDR	5.610	5.622	-0.012		
100	B19_Biased_LDR	5.631	5.663	-0.032		
100	B20_Biased_LDR	5.648	5.648	0.000		
100	B21_Biased_LDR	5.652	5.656	-0.004		
100	B24_Biased_LDR	5.619	5.632	-0.013		
100	B25_Biased_LDR	5.594	5.594	0.000		
100	B26_Biased_LDR	5.567	5.582	-0.015		
100	C16_Biased_LDR	5.553	5.555	-0.002		
100	C17_Biased_LDR	5.616	5.619	-0.003		
100	C18_Biased_LDR	5.598	5.597	0.001		
100	C19_Biased_LDR	5.610	5.615	-0.005		
100	C25_Biased_LDR	5.598	5.604	-0.006		
100	C26_Biased_LDR	5.564	5.564	0.000		
100	C31_Biased_LDR	5.602	5.600	0.002		
100	A107_Unbiased_LDR	5.611	5.612	-0.001	-0.001	
100	A108_Unbiased_LDR	5.651	5.652	-0.001		
100	A109_Unbiased_LDR	5.567	5.566	0.001		
100	A110_Unbiased_LDR	5.630	5.630	0.000		
100	A111_Unbiased_LDR	5.647	5.649	-0.002		
100	A112_Unbiased_LDR	5.639	5.647	-0.008		
100	A113_Unbiased_LDR	5.615	5.634	-0.019		
100	B27_Unbiased_LDR	5.594	5.660	-0.066		
100	B29_Unbiased_LDR	5.640	5.641	-0.001		
100	B85_Unbiased_LDR	5.657	5.648	0.009		
100	B81_Unbiased_LDR	5.628	5.639	-0.011		
100	B82_Unbiased_LDR	5.655	5.644	0.011		
100	B83_Unbiased_LDR	5.620	5.652	-0.032		
100	B84_Unbiased_LDR	5.641	5.641	0.000		
100	B85_Unbiased_LDR	5.655	5.656	-0.001		
100	C30_Unbiased_LDR	5.552	5.553	-0.001		
100	C33_Unbiased_LDR	5.599	5.595	0.004		
100	C34_Unbiased_LDR	5.652	5.653	-0.001		
100	C35_Unbiased_LDR	5.553	5.556	-0.003		
100	C36_Unbiased_LDR	5.552	5.552	0.000		
100	C37_Unbiased_LDR	5.612	5.612	0.000		
100	C38_Unbiased_LDR	5.633	5.634	-0.001		
	Max	5.674	5.691	0.032		
	Average	5.611	5.617	-0.006		
	Min	5.499	5.499	-0.000		
	Std Dev	0.036	0.038	0.019		

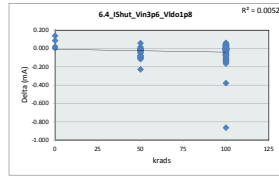


6.3_IDDshut_Vmp3p6_Vldo2p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Max Limit	8 uA		8 uA			
Min Limit	0.1 uA		0.1 uA			
LL	0.100	0.100	0.100			
Min	5.499	5.545	5.545			
Average	5.644	5.639	5.616			
Max	5.639	5.690	5.691			
UL	8.000	8.000	8.000			

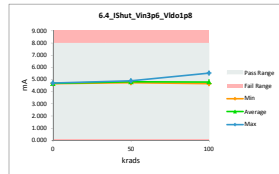


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.4_I_Shut_Vin3p6_VIdot1p8						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	m8		m8			
Max Limit	8		8			
Min Limit	0.1		0.1			
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	4.798	4.663	0.135		
50	A126_Biased_HDR	4.753	4.759	-0.006		1.710
50	A126_Unbiased_HDR	4.719	4.750	-0.031		
50	B48_Biased_HDR	4.672	4.780	-0.108		
50	B49_Unbiased_HDR	4.740	4.831	-0.101		
50	C51_Biased_HDR	4.749	4.734	0.015		
50	A130_Unbiased_HDR	4.746	4.839	-0.093	-0.075	0.387
50	A131_Unbiased_HDR	4.779	4.798	-0.019		
50	B50_Unbiased_HDR	4.774	4.849	-0.075		
50	B51_Unbiased_HDR	4.692	4.810	-0.118		
50	C53_Unbiased_HDR	4.782	4.727	0.055		
0	106_Corr	4.731	4.647	0.084		
100	A132_Biased_HDR	4.639	4.775	-0.136	-0.017	1.257
100	A134_Unbiased_HDR	4.664	5.529	-0.865		
100	A135_Biased_HDR	4.670	4.735	-0.065		
100	B82_Biased_HDR	4.691	4.743	-0.052		
100	B84_Unbiased_HDR	4.706	4.780	-0.074		
100	B85_Biased_HDR	4.608	4.725	-0.117		
100	B86_Biased_HDR	4.813	4.838	-0.025		
100	B87_Biased_HDR	4.640	4.808	-0.168		
100	B89_Biased_HDR	4.663	4.808	-0.145		
100	B82_Unbiased_HDR	4.875	4.864	0.011		
100	B83_Unbiased_HDR	4.802	4.803	-0.001		
100	B84_Unbiased_HDR	4.798	4.811	-0.013		
100	B86_Unbiased_HDR	4.809	4.797	0.012		
100	B88_Unbiased_HDR	4.770	4.789	-0.019		
100	C54_Biased_HDR	4.791	4.783	0.008		
100	C55_Biased_HDR	4.716	4.723	-0.007		
100	C56_Biased_HDR	4.759	4.772	-0.013		
100	C57_Biased_HDR	4.721	4.737	-0.016		
100	C58_Biased_HDR	4.831	4.980	-0.149		
100	C59_Biased_HDR	4.722	4.722	0.000		
100	C45_Unbiased_HDR	4.744	4.742	0.002		
100	C47_Unbiased_HDR	4.719	4.717	0.002		
100	A122_Unbiased_HDR	4.671	4.789	-0.118	0.022	-0.600
100	A136_Unbiased_HDR	4.636	4.714	-0.078		
100	A139_Unbiased_HDR	4.635	4.715	-0.110		
100	B80_Unbiased_HDR	4.804	4.774	0.030		
100	B83_Unbiased_HDR	4.781	4.786	-0.005		
100	B84_Unbiased_HDR	4.804	4.756	0.048		
100	B80_Unbiased_HDR	4.781	4.761	0.020		
100	B71_Unbiased_HDR	4.733	4.712	0.021		
100	B72_Unbiased_HDR	4.780	4.749	0.031		
100	B73_Unbiased_HDR	4.773	4.754	0.019		
100	B74_Unbiased_HDR	4.803	4.743	0.060		
100	B77_Unbiased_HDR	4.758	4.764	-0.006		
100	B78_Unbiased_HDR	4.798	4.798	0.000		
100	B79_Unbiased_HDR	4.735	4.722	0.013		
100	B80_Unbiased_HDR	4.812	4.785	0.027		
100	C70_Unbiased_HDR	4.764	4.721	0.043		
100	C71_Unbiased_HDR	4.751	4.707	0.044		
100	C72_Unbiased_HDR	4.740	4.716	0.024		
100	C73_Unbiased_HDR	4.802	4.771	0.031		
100	C75_Unbiased_HDR	4.723	4.675	0.048		
100	C76_Unbiased_HDR	4.774	4.757	0.017		
100	C79_Unbiased_HDR	4.760	4.770	-0.010		
0	106_Corr	4.706	4.706	0.000		
50	A92_Biased_LDR	4.826	4.850	-0.024	-0.053	
50	A93_Biased_LDR	4.787	4.788	-0.001		
50	B12_Biased_LDR	4.798	4.893	-0.095		
50	B13_Biased_LDR	4.628	4.859	-0.231		
50	C14_Biased_LDR	4.802	4.855	-0.053		
50	A95_Unbiased_LDR	4.810	4.823	-0.013	-0.029	
50	A96_Unbiased_LDR	4.783	4.812	-0.029		
50	B15_Unbiased_LDR	4.813	4.856	-0.043		
50	B16_Unbiased_LDR	4.873	4.882	-0.009		
50	C15_Unbiased_LDR	4.738	4.837	-0.099		
0	106_Corr	4.694	4.676	0.018		
100	A97_Biased_LDR	4.853	4.832	0.021	-0.022	
100	A99_Biased_LDR	4.772	4.793	-0.021		
100	A100_Biased_LDR	4.836	4.856	-0.020		
100	A101_Biased_LDR	4.832	4.803	0.029		
100	A102_Biased_LDR	4.823	4.833	-0.010		
100	A104_Biased_LDR	4.584	4.690	-0.106		
100	A105_Biased_LDR	4.724	4.725	-0.001		
100	B17_Biased_LDR	4.773	4.847	-0.074		
100	B18_Biased_LDR	4.755	4.822	-0.067		
100	B19_Biased_LDR	4.670	4.806	-0.136		
100	B20_Biased_LDR	4.749	4.804	-0.055		
100	B21_Biased_LDR	4.856	4.860	-0.004		
100	B24_Biased_LDR	4.690	4.761	-0.071		
100	B25_Biased_LDR	4.775	4.790	-0.015		
100	B26_Biased_LDR	4.712	4.786	-0.074		
100	C16_Biased_LDR	4.764	4.787	-0.023		
100	C17_Biased_LDR	4.822	4.831	-0.009		
100	C18_Biased_LDR	4.715	4.748	-0.033		
100	C19_Biased_LDR	4.751	4.774	-0.023		
100	C25_Biased_LDR	4.830	4.881	-0.051		
100	C26_Biased_LDR	4.683	4.719	-0.036		
100	C31_Biased_LDR	4.812	4.823	-0.011		
100	A107_Unbiased_LDR	4.832	4.855	-0.023	-0.013	
100	A108_Unbiased_LDR	4.872	4.892	-0.020		
100	A109_Unbiased_LDR	4.638	4.643	-0.005		
100	A110_Unbiased_LDR	4.734	4.745	-0.011		
100	A111_Unbiased_LDR	4.749	4.750	-0.001		
100	A112_Unbiased_LDR	4.796	4.844	-0.048		
100	A113_Unbiased_LDR	4.739	4.828	-0.089		
100	B27_Unbiased_LDR	4.727	5.107	-0.380		
100	B29_Unbiased_LDR	4.795	4.802	-0.007		
100	B30_Unbiased_LDR	4.884	4.847	0.037		
100	B31_Unbiased_LDR	4.722	4.794	-0.072		
100	B32_Unbiased_LDR	4.868	4.832	0.036		
100	B33_Unbiased_LDR	4.711	4.844	-0.133		
100	B34_Unbiased_LDR	4.800	4.800	0.000		
100	B35_Unbiased_LDR	4.859	4.873	-0.014		
100	C32_Unbiased_LDR	4.768	4.784	-0.016		
100	C33_Unbiased_LDR	4.813	4.825	-0.012		
100	C34_Unbiased_LDR	4.826	4.843	-0.017		
100	C35_Unbiased_LDR	4.700	4.713	-0.013		
100	C36_Unbiased_LDR	4.734	4.762	-0.028		
100	C37_Unbiased_LDR	4.808	4.820	-0.012		
100	C38_Unbiased_LDR	4.777	4.770	0.007		
Max		4.884	5.529	0.135		
Average		4.759	4.794	-0.036		
Min		4.584	4.643	-0.065		
Std Dev		0.063	0.096	0.103		

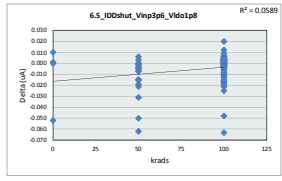


6.4_I_Shut_Vin3p6_VIdot1p8				
Test Site	Dallas, Tx			
Tester	ETS			
Test Number	EF636800			
Max Limit	8		mA	
Min Limit	0.1		mA	
LL	0.100	0.100	0.100	
Min	4.647	4.727	4.643	
Average	4.673	4.817	4.795	
Max	4.706	4.893	5.529	
UL	8.000	8.000	8.000	

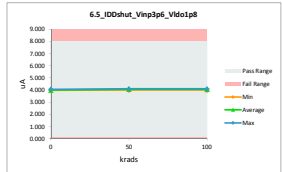


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.5_IDDshut_Vmp3p6_Vldo1p8							
Test Site		Dallas, TX		Dallas, TX			
Tester		ETS		ETS			
Test Number		EF636800		EF636800			
Unit		uA		uA			
Max Limit		B		B			
Min Limit		0.1		0.1			
krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio	
0	374_Corr	4.006	4.058	-0.052			
50	A128_Biased_HDR	4.059	4.059	0.000	-0.005	0.800	
50	A128_Unbiased_HDR	4.055	4.060	-0.005			
50	B48_Biased_HDR	4.045	4.064	-0.019			
50	B49_Biased_HDR	4.043	4.064	-0.021			
50	C51_Biased_HDR	4.070	4.067	0.003			
50	A130_Unbiased_HDR	4.045	4.060	-0.015	-0.015	0.267	
50	A133_Unbiased_HDR	4.057	4.064	-0.007			
50	B50_Unbiased_HDR	4.054	4.069	-0.015			
50	B51_Unbiased_HDR	4.007	4.069	-0.062			
50	C53_Unbiased_HDR	3.996	3.990	0.006			
0	396_Corr	3.980	3.970	0.010			
100	A132_Biased_HDR	4.030	4.049	-0.019	0.001	-2.000	
100	A134_Biased_HDR	4.032	4.095	-0.063			
100	A135_Biased_HDR	4.009	4.019	-0.010			
100	B52_Biased_HDR	4.007	4.006	0.001			
100	B54_Biased_HDR	4.055	4.065	-0.010			
100	B55_Biased_HDR	4.032	4.053	-0.021			
100	B56_Biased_HDR	4.049	4.052	-0.003			
100	B57_Biased_HDR	3.996	4.013	-0.017			
100	B59_Biased_HDR	4.047	4.067	-0.020			
100	B62_Biased_HDR	4.061	4.058	0.003			
100	B64_Biased_HDR	4.045	4.042	0.003			
100	B64_Unbiased_HDR	4.069	4.066	0.003			
100	B66_Biased_HDR	4.071	4.067	0.004			
100	B68_Biased_HDR	4.071	4.065	0.006			
100	C54_Biased_HDR	4.063	4.060	0.003			
100	C55_Biased_HDR	4.003	4.000	0.003			
100	C56_Biased_HDR	4.055	4.057	-0.002			
100	C57_Biased_HDR	4.006	4.001	0.005			
100	C58_Biased_HDR	4.019	4.018	0.001			
100	C59_Biased_HDR	4.027	4.026	0.001			
100	C45_Biased_HDR	4.021	4.022	-0.001			
100	C47_Biased_HDR	3.995	3.991	0.004			
100	A122_Unbiased_HDR	4.037	4.054	-0.017	0.002	-0.800	
100	A138_Unbiased_HDR	3.981	3.996	-0.015			
100	A139_Unbiased_HDR	4.041	4.057	-0.016			
100	B60_Unbiased_HDR	4.064	4.060	0.004			
100	B61_Unbiased_HDR	4.066	4.046	0.020			
100	B63_Unbiased_HDR	4.064	4.061	0.003			
100	B70_Unbiased_HDR	4.066	4.063	0.003			
100	B71_Unbiased_HDR	4.015	4.012	0.003			
100	B72_Unbiased_HDR	4.051	4.046	0.005			
100	B73_Unbiased_HDR	4.053	4.050	0.003			
100	B74_Unbiased_HDR	4.032	4.031	0.001			
100	B77_Unbiased_HDR	4.022	4.021	0.001			
100	B78_Unbiased_HDR	4.069	4.068	0.001			
100	B79_Unbiased_HDR	4.066	4.064	0.002			
100	B80_Unbiased_HDR	4.037	4.034	0.003			
100	C70_Unbiased_HDR	4.026	4.024	0.002			
100	C71_Unbiased_HDR	4.013	4.007	0.006			
100	C72_Unbiased_HDR	4.033	4.031	0.002			
100	C73_Unbiased_HDR	4.050	4.047	0.003			
100	C75_Unbiased_HDR	4.012	4.005	0.007			
100	C76_Unbiased_HDR	4.043	4.043	0.000			
100	C79_Unbiased_HDR	4.052	4.057	-0.005			
0	396_Corr	3.960	3.960	0.000			
50	A92_Biased_LDR	4.066	4.067	-0.001	-0.004		
50	A93_Biased_LDR	4.036	4.036	0.000			
50	B12_Biased_LDR	4.059	4.074	-0.015			
50	B13_Biased_LDR	4.063	4.094	-0.031			
50	C14_Biased_LDR	4.031	4.035	-0.004			
50	A95_Unbiased_LDR	4.082	4.084	-0.002	-0.004		
50	B96_Unbiased_LDR	4.050	4.054	-0.004			
50	B15_Unbiased_LDR	4.051	4.058	-0.007			
50	B16_Unbiased_LDR	4.065	4.065	0.000			
50	C15_Unbiased_LDR	3.996	4.046	-0.050			
0	397_Corr	3.977	3.976	0.001			
100	A99_Biased_LDR	4.086	4.081	0.005	-0.002		
100	A99_Unbiased_LDR	4.033	4.039	-0.006			
100	A100_Biased_LDR	4.056	4.054	0.002			
100	A101_Biased_LDR	4.051	4.047	0.004			
100	A102_Biased_LDR	4.046	4.034	0.012			
100	A104_Biased_LDR	4.014	4.030	-0.016			
100	A105_Biased_LDR	4.053	4.054	-0.001			
100	B17_Biased_LDR	4.036	4.045	-0.009			
100	B18_Biased_LDR	4.039	4.047	-0.008			
100	B19_Biased_LDR	4.054	4.073	-0.019			
100	B20_Biased_LDR	4.064	4.064	0.000			
100	B21_Biased_LDR	4.069	4.071	-0.002			
100	B24_Biased_LDR	4.044	4.055	-0.011			
100	B25_Biased_LDR	4.026	4.026	0.000			
100	B26_Biased_LDR	4.007	4.019	-0.012			
100	C16_Biased_LDR	3.998	4.000	-0.002			
100	C17_Biased_LDR	4.043	4.046	-0.003			
100	C18_Biased_LDR	4.029	4.032	-0.003			
100	C19_Biased_LDR	4.039	4.041	-0.002			
100	C25_Biased_LDR	4.030	4.033	-0.003			
100	C26_Biased_LDR	4.004	4.003	0.001			
100	C31_Biased_LDR	4.031	4.030	0.001			
100	A107_Unbiased_LDR	4.038	4.041	-0.003	-0.002		
100	A108_Unbiased_LDR	4.046	4.049	-0.003			
100	A109_Unbiased_LDR	4.007	4.010	-0.003			
100	A110_Unbiased_LDR	4.052	4.052	0.000			
100	A111_Unbiased_LDR	4.064	4.062	0.002			
100	A112_Unbiased_LDR	4.059	4.062	-0.003			
100	A113_Unbiased_LDR	4.041	4.054	-0.013			
100	B27_Unbiased_LDR	4.027	4.075	-0.048			
100	B29_Unbiased_LDR	4.060	4.062	-0.002			
100	B30_Unbiased_LDR	4.072	4.063	0.009			
100	B31_Unbiased_LDR	4.050	4.060	-0.010			
100	B32_Unbiased_LDR	4.069	4.064	0.005			
100	B33_Unbiased_LDR	4.044	4.069	-0.025			
100	B34_Unbiased_LDR	4.060	4.058	0.002			
100	B35_Unbiased_LDR	4.070	4.071	-0.001			
100	C23_Unbiased_LDR	3.997	4.000	-0.003			
100	C33_Unbiased_LDR	4.030	4.027	0.003			
100	C34_Unbiased_LDR	4.067	4.068	-0.001			
100	C35_Unbiased_LDR	3.998	3.997	0.001			
100	C36_Unbiased_LDR	3.996	3.998	-0.002			
100	C37_Unbiased_LDR	4.039	4.041	-0.002			
100	C38_Unbiased_LDR	4.055	4.054	0.001			
	Max	4.086	4.095	0.020			
	Average	4.039	4.044	-0.005			
	Min	3.960	3.960	-0.063			
	Std Dev	0.026	0.027	0.014			

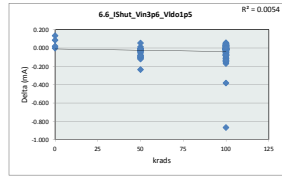


6.5_IDDshut_Vmp3p6_Vldo1p8							
Test Site		Dallas, TX		Dallas, TX			
Tester		ETS		ETS			
Test Number		EF636800		EF636800			
Unit		uA		uA			
Max Limit		B		B			
Min Limit		0.1		0.1			
LL	Min	Average	Max	UL			
0	3.960	4.059	4.094	8.000			
0	3.990	4.009	4.043	8.000			
0	3.991	4.009	4.043	8.000			

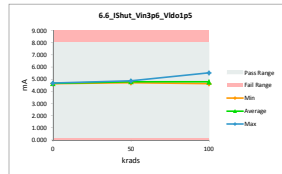


TID ELDRS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.6_I_Shut_Vin3p6_VIdio1p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	m5		m5			
Max Limit	8		8			
Min Limit	0.1		0.1			
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	4.775	4.639	0.136		
50	A126_Biased_HDR	4.730	4.736	-0.006		1.710
50	A126_Unbiased_HDR	4.697	4.728	-0.031		
50	B48_Biased_HDR	4.648	4.757	-0.109		
50	B49_Unbiased_HDR	4.705	4.808	-0.103		
50	C51_Biased_HDR	4.728	4.713	0.015		
50	A130_Unbiased_HDR	4.722	4.815	-0.093	-0.076	0.395
50	N131_Unbiased_HDR	4.756	4.776	-0.020		
50	B50_Unbiased_HDR	4.751	4.827	-0.076		
50	B51_Unbiased_HDR	4.669	4.786	-0.117		
50	C53_Unbiased_HDR	4.762	4.797	0.035		
0	106_Corr	4.709	4.623	0.086		
100	A132_Biased_HDR	4.616	4.753	-0.137	-0.018	1.222
100	A134_Biased_HDR	4.642	5.509	-0.867		
100	A135_Biased_HDR	4.646	4.711	-0.065		
100	B82_Biased_HDR	4.669	4.718	-0.049		
100	B84_Biased_HDR	4.683	4.757	-0.074		
100	B85_Biased_HDR	4.585	4.701	-0.116		
100	B86_Biased_HDR	4.789	4.815	-0.026		
100	B87_Biased_HDR	4.616	4.785	-0.169		
100	B89_Biased_HDR	4.639	4.787	-0.148		
100	B82_Unbiased_HDR	4.852	4.843	0.009		
100	B83_Unbiased_HDR	4.779	4.782	-0.003		
100	B84_Unbiased_HDR	4.775	4.787	-0.012		
100	B86_Unbiased_HDR	4.787	4.777	0.010		
100	B88_Unbiased_HDR	4.747	4.766	-0.019		
100	C54_Biased_HDR	4.768	4.760	0.008		
100	C55_Biased_HDR	4.693	4.702	-0.009		
100	C56_Biased_HDR	4.736	4.750	-0.014		
100	C57_Biased_HDR	4.699	4.716	-0.017		
100	C58_Biased_HDR	4.808	4.808	-0.000		
100	C59_Biased_HDR	4.701	4.701	0.000		
100	C45_Unbiased_HDR	4.722	4.718	0.004		
100	C47_Unbiased_HDR	4.718	4.695	0.023		
100	A122_Unbiased_HDR	4.647	4.764	-0.117	0.022	-0.659
100	A138_Unbiased_HDR	4.615	4.691	-0.076		
100	N139_Unbiased_HDR	4.612	4.724	-0.112		
100	B60_Unbiased_HDR	4.781	4.753	0.028		
100	B63_Unbiased_HDR	4.758	4.785	-0.027		
100	B64_Unbiased_HDR	4.781	4.732	0.049		
100	B70_Unbiased_HDR	4.758	4.739	0.019		
100	B71_Unbiased_HDR	4.711	4.690	0.021		
100	B72_Unbiased_HDR	4.758	4.726	0.032		
100	B73_Unbiased_HDR	4.751	4.731	0.020		
100	B74_Unbiased_HDR	4.780	4.722	0.058		
100	B77_Unbiased_HDR	4.736	4.741	-0.005		
100	B78_Unbiased_HDR	4.774	4.777	-0.003		
100	B79_Unbiased_HDR	4.712	4.698	0.014		
100	B80_Unbiased_HDR	4.790	4.762	0.028		
100	C70_Unbiased_HDR	4.742	4.697	0.045		
100	C71_Unbiased_HDR	4.750	4.684	0.066		
100	C72_Unbiased_HDR	4.719	4.696	0.023		
100	C73_Unbiased_HDR	4.780	4.749	0.031		
100	C75_Unbiased_HDR	4.700	4.652	0.048		
100	C76_Unbiased_HDR	4.751	4.735	0.016		
100	C79_Unbiased_HDR	4.737	4.747	-0.010		
0	158_Corr	4.683	4.683	0.000		
50	A92_Biased_LDR	4.804	4.827	-0.023	-0.053	
50	A93_Biased_LDR	4.764	4.766	-0.002		
50	B12_Biased_LDR	4.775	4.870	-0.095		
50	B13_Biased_LDR	4.606	4.838	-0.232		
50	C14_Biased_LDR	4.781	4.834	-0.053		
50	A95_Unbiased_LDR	4.789	4.801	-0.012	-0.030	
50	A96_Unbiased_LDR	4.760	4.790	-0.030		
50	B15_Unbiased_LDR	4.791	4.833	-0.042		
50	B16_Unbiased_LDR	4.850	4.858	-0.008		
50	C15_Unbiased_LDR	4.736	4.815	-0.079		
0	106_Corr	4.672	4.652	0.020		
100	A99_Biased_LDR	4.831	4.810	0.021	-0.022	
100	A100_Biased_LDR	4.750	4.772	-0.022		
100	A101_Biased_LDR	4.814	4.833	-0.019		
100	A102_Biased_LDR	4.808	4.779	0.029		
100	A103_Biased_LDR	4.800	4.811	-0.011		
100	A104_Biased_LDR	4.563	4.669	-0.106		
100	A105_Biased_LDR	4.702	4.706	-0.004		
100	B17_Biased_LDR	4.750	4.826	-0.076		
100	B18_Biased_LDR	4.734	4.797	-0.063		
100	B19_Biased_LDR	4.647	4.785	-0.138		
100	B20_Biased_LDR	4.777	4.779	-0.002		
100	B21_Biased_LDR	4.834	4.840	-0.006		
100	B24_Biased_LDR	4.668	4.743	-0.075		
100	B25_Biased_LDR	4.752	4.770	-0.018		
100	B26_Biased_LDR	4.688	4.765	-0.077		
100	C16_Biased_LDR	4.743	4.765	-0.022		
100	C17_Biased_LDR	4.800	4.810	-0.010		
100	C18_Biased_LDR	4.692	4.727	-0.035		
100	C19_Biased_LDR	4.709	4.753	-0.044		
100	C25_Biased_LDR	4.808	4.860	-0.052		
100	C26_Biased_LDR	4.661	4.698	-0.037		
100	C31_Biased_LDR	4.790	4.800	-0.010		
100	A107_Unbiased_LDR	4.809	4.830	-0.021	-0.014	
100	A108_Unbiased_LDR	4.848	4.865	-0.017		
100	A109_Unbiased_LDR	4.617	4.621	-0.004		
100	A110_Unbiased_LDR	4.712	4.722	-0.010		
100	A111_Unbiased_LDR	4.727	4.726	0.001		
100	A112_Unbiased_LDR	4.774	4.821	-0.047		
100	A113_Unbiased_LDR	4.717	4.802	-0.085		
100	B27_Unbiased_LDR	4.705	5.084	-0.379		
100	B29_Unbiased_LDR	4.773	4.779	-0.006		
100	B30_Unbiased_LDR	4.860	4.822	0.038		
100	B31_Unbiased_LDR	4.699	4.772	-0.073		
100	B32_Unbiased_LDR	4.845	4.809	0.036		
100	B33_Unbiased_LDR	4.687	4.820	-0.133		
100	B34_Unbiased_LDR	4.777	4.775	0.002		
100	B35_Unbiased_LDR	4.835	4.852	-0.017		
100	C32_Unbiased_LDR	4.746	4.765	-0.019		
100	C33_Unbiased_LDR	4.790	4.804	-0.014		
100	C34_Unbiased_LDR	4.803	4.817	-0.014		
100	C35_Unbiased_LDR	4.678	4.693	-0.015		
100	C36_Unbiased_LDR	4.713	4.742	-0.029		
100	C37_Unbiased_LDR	4.785	4.798	-0.013		
100	C38_Unbiased_LDR	4.753	4.749	0.004		
	Max	4.860	5.509	0.136		
	Average	4.736	4.772	-0.036		
	Min	4.563	4.621	-0.067		
	Std Dev	0.063	0.096	0.103		

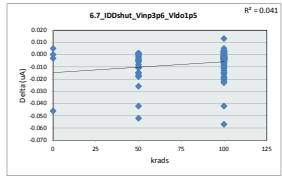


6.6_I_Shut_Vin3p6_VIdio1p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Max Limit	8		8			
Min Limit	0.1		0.1			
LL	0	50	100			
Min	4.623	4.707	4.621			
Average	4.649	4.794	4.773			
Max	4.683	4.870	5.509			
UL	8.000	8.000	8.000			

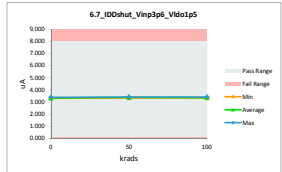


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.7_IDDshut_Vmp3p6_Vldo1p5						
Test Site	Dallas, TX		Dallas, TX			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	uA		uA			
Max Limit	0		0			
Min Limit	0.1		0.1			
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	3.336	3.382	-0.046		
50	A126_Biased_HDR	3.380	3.385	-0.005	-0.008	0.750
50	A126_Unbiased_HDR	3.378	3.386	-0.008		
50	B48_Biased_HDR	3.370	3.387	-0.017		
50	B49_Unbiased_HDR	3.367	3.385	-0.018		
50	C51_Biased_HDR	3.390	3.389	0.001		
50	A130_Unbiased_HDR	3.369	3.384	-0.015	-0.015	0.267
50	A133_Unbiased_HDR	3.379	3.389	-0.010		
50	B50_Unbiased_HDR	3.376	3.391	-0.015		
50	B51_Unbiased_HDR	3.338	3.390	-0.052		
50	C53_Unbiased_HDR	3.329	3.328	0.001		
0	106_Corr	3.315	3.310	0.005		
100	A132_Biased_HDR	3.357	3.375	-0.018	-0.004	1.125
100	A134_Biased_HDR	3.259	3.416	-0.057		
100	A135_Biased_HDR	3.340	3.350	-0.010		
100	B52_Biased_HDR	3.337	3.341	-0.004		
100	B54_Biased_HDR	3.378	3.389	-0.011		
100	B55_Biased_HDR	3.358	3.377	-0.019		
100	B56_Biased_HDR	3.373	3.377	-0.004		
100	B57_Biased_HDR	3.328	3.348	-0.020		
100	B59_Biased_HDR	3.370	3.392	-0.022		
100	B62_Biased_HDR	3.382	3.385	-0.003		
100	B63_Biased_HDR	3.369	3.371	-0.002		
100	B64_Biased_HDR	3.389	3.387	0.002		
100	B66_Biased_HDR	3.392	3.389	0.003		
100	B68_Biased_HDR	3.391	3.388	0.003		
100	C54_Biased_HDR	3.384	3.384	0.000		
100	C55_Biased_HDR	3.333	3.337	-0.004		
100	C56_Biased_HDR	3.378	3.382	-0.004		
100	C57_Biased_HDR	3.337	3.334	0.003		
100	C58_Biased_HDR	3.347	3.346	0.001		
100	C59_Biased_HDR	3.353	3.356	-0.003		
100	C45_Biased_HDR	3.348	3.352	-0.004		
100	C67_Biased_HDR	3.326	3.328	-0.002		
100	A122_Unbiased_HDR	3.363	3.382	-0.019	-0.001	3.499
100	A138_Unbiased_HDR	3.376	3.331	-0.045		
100	A139_Unbiased_HDR	3.366	3.385	-0.019		
100	B60_Unbiased_HDR	3.385	3.384	0.001		
100	B61_Unbiased_HDR	3.386	3.373	0.013		
100	B69_Unbiased_HDR	3.385	3.383	0.002		
100	B70_Unbiased_HDR	3.386	3.387	-0.001		
100	B71_Unbiased_HDR	3.345	3.347	-0.002		
100	B72_Unbiased_HDR	3.373	3.376	-0.003		
100	B73_Unbiased_HDR	3.375	3.377	-0.002		
100	B74_Unbiased_HDR	3.359	3.357	0.002		
100	B77_Unbiased_HDR	3.350	3.353	-0.003		
100	B78_Unbiased_HDR	3.390	3.392	-0.002		
100	B79_Unbiased_HDR	3.387	3.388	-0.001		
100	B80_Unbiased_HDR	3.363	3.363	0.000		
100	C70_Unbiased_HDR	3.354	3.354	0.000		
100	C71_Unbiased_HDR	3.342	3.340	0.002		
100	C72_Unbiased_HDR	3.360	3.361	-0.001		
100	C73_Unbiased_HDR	3.373	3.374	-0.001		
100	C75_Unbiased_HDR	3.341	3.339	0.002		
100	C76_Unbiased_HDR	3.368	3.370	-0.002		
100	C79_Unbiased_HDR	3.375	3.378	-0.003		
0	108_Corr	3.298	3.298	0.000		
50	A92_Biased_LDR	3.388	3.390	-0.002	-0.006	
50	A93_Biased_LDR	3.362	3.361	0.001		
50	B12_Biased_LDR	3.382	3.393	-0.011		
50	B13_Biased_LDR	3.386	3.412	-0.026		
50	C14_Biased_LDR	3.387	3.363	0.024		
50	A95_Unbiased_LDR	3.402	3.403	-0.001	-0.004	
50	B96_Unbiased_LDR	3.373	3.377	-0.004		
50	B15_Unbiased_LDR	3.384	3.388	-0.004		
50	B16_Unbiased_LDR	3.387	3.387	0.000		
50	C15_Unbiased_LDR	3.329	3.321	0.008		
0	106_Corr	3.313	3.316	-0.003		
100	A99_Biased_LDR	3.403	3.400	0.003	-0.005	
100	A99_Unbiased_LDR	3.361	3.367	-0.006		
100	A100_Biased_LDR	3.377	3.383	-0.006		
100	A101_Biased_LDR	3.374	3.371	0.003		
100	A102_Biased_LDR	3.371	3.366	0.005		
100	A104_Biased_LDR	3.344	3.360	-0.016		
100	A105_Biased_LDR	3.376	3.378	-0.002		
100	B17_Biased_LDR	3.362	3.375	-0.013		
100	B18_Biased_LDR	3.363	3.370	-0.007		
100	B19_Biased_LDR	3.376	3.398	-0.022		
100	B20_Biased_LDR	3.385	3.385	0.000		
100	B21_Biased_LDR	3.389	3.390	-0.001		
100	B24_Biased_LDR	3.368	3.379	-0.011		
100	B25_Biased_LDR	3.354	3.357	-0.003		
100	B26_Biased_LDR	3.337	3.352	-0.015		
100	C16_Biased_LDR	3.330	3.331	-0.001		
100	C17_Biased_LDR	3.369	3.373	-0.004		
100	C18_Biased_LDR	3.356	3.360	-0.004		
100	C19_Biased_LDR	3.364	3.372	-0.008		
100	C25_Biased_LDR	3.356	3.362	-0.006		
100	C26_Biased_LDR	3.336	3.341	-0.005		
100	C31_Biased_LDR	3.359	3.360	-0.001		
100	A107_Unbiased_LDR	3.364	3.368	-0.004	-0.003	
100	A108_Unbiased_LDR	3.387	3.389	-0.002		
100	A109_Unbiased_LDR	3.338	3.344	-0.006		
100	A110_Unbiased_LDR	3.375	3.378	-0.003		
100	A111_Unbiased_LDR	3.387	3.390	-0.003		
100	A112_Unbiased_LDR	3.382	3.389	-0.007		
100	A113_Unbiased_LDR	3.368	3.381	-0.013		
100	B27_Unbiased_LDR	3.385	3.397	-0.012		
100	B29_Unbiased_LDR	3.382	3.385	-0.003		
100	B30_Unbiased_LDR	3.392	3.389	0.003		
100	B31_Unbiased_LDR	3.374	3.383	-0.009		
100	B32_Unbiased_LDR	3.390	3.389	0.001		
100	B33_Unbiased_LDR	3.370	3.393	-0.023		
100	B34_Unbiased_LDR	3.381	3.383	-0.002		
100	B35_Unbiased_LDR	3.390	3.395	-0.005		
100	C30_Unbiased_LDR	3.329	3.335	-0.006		
100	C33_Unbiased_LDR	3.357	3.358	-0.001		
100	C34_Unbiased_LDR	3.390	3.389	0.001		
100	C35_Unbiased_LDR	3.329	3.334	-0.005		
100	C36_Unbiased_LDR	3.329	3.333	-0.004		
100	C37_Unbiased_LDR	3.364	3.366	-0.002		
100	C38_Unbiased_LDR	3.378	3.381	-0.003		
	Max	3.403	3.416	0.013		
	Average	3.364	3.371	-0.007		
	Min	3.298	3.298	-0.000		
	Std Dev	0.022	0.022	0.011		

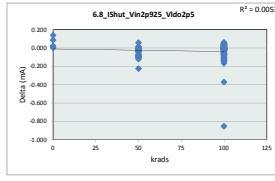


6.7_IDDshut_Vmp3p6_Vldo1p5						
Test Site	Dallas, TX		Dallas, TX			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Max Limit	0		0			
Min Limit	0.1		0.1			
LL	0	50	100			
Min	3.298	3.328	3.328			
Average	3.327	3.383	3.370			
Max	3.382	3.412	3.416			
UL	8.000	8.000	8.000			

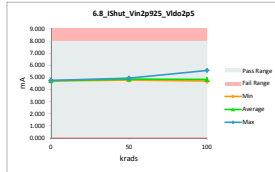


TID ELDERS Sensitivity Report (50k & 100k)
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6.8_I_Shut_Vin2p925_VIdo2p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	m8		m8			
Max Limit	8		8			
Min Limit	0.1		0.1			
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	4.844	4.708	0.136		
50	A126_Biased_HDR	4.797	4.804	-0.007	-0.031	1.677
50	A126_Unbiased_HDR	4.763	4.794	-0.031		
50	B48_Biased_HDR	4.719	4.824	-0.105		
50	B49_Unbiased_HDR	4.777	4.877	-0.100		
50	C51_Biased_HDR	4.795	4.780	0.015		
50	A130_Unbiased_HDR	4.793	4.885	-0.092	-0.074	0.378
50	N131_Unbiased_HDR	4.824	4.845	-0.021		
50	B50_Unbiased_HDR	4.822	4.896	-0.074		
50	B51_Unbiased_HDR	4.735	4.856	-0.121		
50	C53_Unbiased_HDR	4.825	4.769	0.056		
0	Vdc_Corr	4.775	4.691	0.084		
100	A132_Biased_HDR	4.686	4.820	-0.134	-0.018	1.194
100	A134_Biased_HDR	4.711	5.567	-0.856		
100	A135_Biased_HDR	4.716	4.778	-0.062		
100	B82_Biased_HDR	4.735	4.783	-0.048		
100	B84_Biased_HDR	4.752	4.835	-0.073		
100	B85_Biased_HDR	4.655	4.766	-0.111		
100	B86_Biased_HDR	4.859	4.884	-0.025		
100	B87_Biased_HDR	4.686	4.853	-0.167		
100	B89_Biased_HDR	4.711	4.853	-0.142		
100	B82_Unbiased_HDR	4.922	4.912	0.010		
100	B83_Unbiased_HDR	4.847	4.850	-0.003		
100	B84_Unbiased_HDR	4.843	4.854	-0.011		
100	B86_Unbiased_HDR	4.854	4.844	0.010		
100	B88_Unbiased_HDR	4.815	4.836	-0.021		
100	C54_Biased_HDR	4.837	4.830	0.007		
100	C55_Biased_HDR	4.760	4.766	-0.006		
100	C56_Biased_HDR	4.802	4.817	-0.015		
100	C57_Biased_HDR	4.761	4.776	-0.015		
100	C58_Biased_HDR	4.874	4.874	0.000		
100	C59_Biased_HDR	4.766	4.763	0.003		
100	C45_Unbiased_HDR	4.789	4.786	0.003		
100	C47_Unbiased_HDR	4.780	4.760	0.020		
100	A122_Unbiased_HDR	4.719	4.835	-0.116	0.022	-0.644
100	A138_Unbiased_HDR	4.682	4.757	-0.075		
100	N139_Unbiased_HDR	4.680	4.709	-0.029		
100	B80_Unbiased_HDR	4.850	4.820	0.030		
100	B83_Unbiased_HDR	4.825	4.780	0.045		
100	B84_Unbiased_HDR	4.850	4.801	0.049		
100	B80_Unbiased_HDR	4.825	4.807	0.018		
100	B71_Unbiased_HDR	4.776	4.759	0.017		
100	B72_Unbiased_HDR	4.826	4.795	0.031		
100	B73_Unbiased_HDR	4.817	4.798	0.019		
100	B74_Unbiased_HDR	4.849	4.788	0.061		
100	B77_Unbiased_HDR	4.803	4.809	-0.006		
100	B78_Unbiased_HDR	4.844	4.845	-0.001		
100	B79_Unbiased_HDR	4.779	4.764	0.015		
100	B80_Unbiased_HDR	4.857	4.830	0.027		
100	C70_Unbiased_HDR	4.807	4.764	0.043		
100	C71_Unbiased_HDR	4.794	4.751	0.043		
100	C72_Unbiased_HDR	4.784	4.760	0.024		
100	C73_Unbiased_HDR	4.846	4.814	0.032		
100	C75_Unbiased_HDR	4.766	4.721	0.045		
100	C76_Unbiased_HDR	4.818	4.797	0.021		
100	C79_Unbiased_HDR	4.802	4.813	-0.011		
0	Vdc_Corr	4.750	4.750	0.000		
50	A92_Biased_LDR	4.870	4.893	-0.023	-0.052	
50	A93_Biased_LDR	4.831	4.832	-0.001		
50	B12_Biased_LDR	4.846	4.938	-0.092		
50	B13_Biased_LDR	4.673	4.900	-0.227		
50	C14_Biased_LDR	4.847	4.899	-0.052		
50	A95_Unbiased_LDR	4.854	4.866	-0.012	-0.028	
50	A96_Unbiased_LDR	4.829	4.857	-0.028		
50	B15_Unbiased_LDR	4.860	4.900	-0.040		
50	B16_Unbiased_LDR	4.919	4.927	-0.008		
50	C15_Unbiased_LDR	4.890	4.881	0.009		
0	Vdc_Corr	4.739	4.719	0.020		
100	A97_Biased_LDR	4.898	4.877	0.021	-0.022	
100	A99_Biased_LDR	4.818	4.840	-0.022		
100	A100_Biased_LDR	4.880	4.897	-0.017		
100	A101_Biased_LDR	4.876	4.848	0.028		
100	A102_Biased_LDR	4.868	4.880	-0.012		
100	A104_Biased_LDR	4.629	4.733	-0.104		
100	A105_Biased_LDR	4.766	4.769	-0.003		
100	B17_Biased_LDR	4.821	4.893	-0.072		
100	B18_Biased_LDR	4.802	4.864	-0.062		
100	B19_Biased_LDR	4.718	4.854	-0.136		
100	B20_Biased_LDR	4.844	4.847	-0.003		
100	B21_Biased_LDR	4.903	4.907	-0.004		
100	B24_Biased_LDR	4.736	4.805	-0.069		
100	B25_Biased_LDR	4.821	4.838	-0.017		
100	B26_Biased_LDR	4.760	4.832	-0.072		
100	C16_Biased_LDR	4.807	4.828	-0.021		
100	C17_Biased_LDR	4.867	4.877	-0.010		
100	C18_Biased_LDR	4.760	4.793	-0.033		
100	C19_Biased_LDR	4.774	4.817	-0.043		
100	C25_Biased_LDR	4.875	4.930	-0.055		
100	C26_Biased_LDR	4.725	4.764	-0.039		
100	C31_Biased_LDR	4.856	4.866	-0.010		
100	A107_Unbiased_LDR	4.878	4.900	-0.022	-0.014	
100	A108_Unbiased_LDR	4.919	4.937	-0.018		
100	A109_Unbiased_LDR	4.680	4.685	-0.005		
100	A110_Unbiased_LDR	4.776	4.786	-0.010		
100	A111_Unbiased_LDR	4.791	4.791	0.000		
100	A112_Unbiased_LDR	4.843	4.891	-0.048		
100	A113_Unbiased_LDR	4.786	4.873	-0.087		
100	B27_Unbiased_LDR	4.771	5.145	-0.374		
100	B29_Unbiased_LDR	4.841	4.846	-0.005		
100	B30_Unbiased_LDR	4.929	4.893	0.036		
100	B31_Unbiased_LDR	4.771	4.839	-0.068		
100	B32_Unbiased_LDR	4.915	4.876	0.039		
100	B33_Unbiased_LDR	4.759	4.889	-0.130		
100	B34_Unbiased_LDR	4.845	4.844	0.001		
100	B35_Unbiased_LDR	4.906	4.922	-0.016		
100	C32_Unbiased_LDR	4.810	4.826	-0.016		
100	C33_Unbiased_LDR	4.860	4.871	-0.011		
100	C34_Unbiased_LDR	4.873	4.886	-0.013		
100	C35_Unbiased_LDR	4.741	4.752	-0.011		
100	C36_Unbiased_LDR	4.776	4.804	-0.028		
100	C37_Unbiased_LDR	4.850	4.867	-0.017		
100	C38_Unbiased_LDR	4.821	4.816	0.005		
	Max	4.929	5.567	0.136		
	Average	4.803	4.839	-0.035		
	Min	4.629	4.685	-0.856		
	Std Dev	0.063	0.096	0.102		

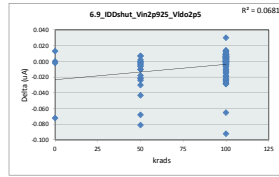


6.8_I_Shut_Vin2p925_VIdo2p5				
Test Site	Dallas, Tx			
Tester	ETS			
Test Number	EF636800			
Max Limit	8 mA			
Min Limit	0.1 mA			
krads	0	50	100	
LL	0.100	0.100	0.100	
Min	4.691	4.769	4.685	
Average	4.717	4.801	4.839	
Max	4.750	4.938	5.567	
UL	8.000	8.000	8.000	

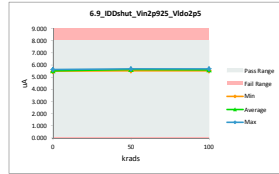


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6.9_IDDshut_Vin2p925_Vldo2p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	uA		uA			
Max Limit	8		8			
Min Limit	0.1		0.1			
Krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	5.565	5.617	-0.072		
50	A128_Biased_HDR	5.638	5.641	-0.003	-0.010	0.600
50	A129_Biased_HDR	5.634	5.644	-0.010		
50	B48_Biased_HDR	5.621	5.645	-0.024		
50	B49_Biased_HDR	5.616	5.646	-0.030		
50	C51_Biased_HDR	5.656	5.649	0.007		
50	A130_Unbiased_HDR	5.619	5.641	-0.022	-0.021	0.190
50	A133_Unbiased_HDR	5.637	5.647	-0.010		
50	B50_Unbiased_HDR	5.632	5.653	-0.021		
50	B51_Unbiased_HDR	5.568	5.649	-0.081		
50	C53_Unbiased_HDR	5.553	5.546	0.007		
0	106_Corr	5.530	5.517	0.013		
100	A132_Biased_HDR	5.600	5.623	-0.023	0.002	-0.800
100	A134_Biased_HDR	5.601	5.693	-0.092		
100	A135_Biased_HDR	5.570	5.585	-0.015		
100	B52_Biased_HDR	5.567	5.568	-0.001		
100	B54_Biased_HDR	5.635	5.646	-0.011		
100	B55_Biased_HDR	5.602	5.628	-0.026		
100	B56_Biased_HDR	5.626	5.626	0.000		
100	B57_Biased_HDR	5.552	5.575	-0.023		
100	B59_Biased_HDR	5.622	5.650	-0.028		
100	B62_Biased_HDR	5.642	5.636	0.006		
100	B64_Biased_HDR	5.620	5.616	0.004		
100	B64_Biased_HDR	5.653	5.649	0.004		
100	B66_Biased_HDR	5.658	5.649	0.009		
100	B68_Biased_HDR	5.657	5.648	0.009		
100	C54_Biased_HDR	5.646	5.638	0.008		
100	C55_Biased_HDR	5.561	5.588	0.003		
100	C56_Biased_HDR	5.635	5.635	0.000		
100	C57_Biased_HDR	5.565	5.556	0.009		
100	C58_Biased_HDR	5.585	5.580	0.005		
100	C59_Biased_HDR	5.593	5.588	0.005		
100	C45_Biased_HDR	5.587	5.585	0.002		
100	C67_Biased_HDR	5.550	5.544	0.006		
100	A122_Unbiased_HDR	5.609	5.634	-0.025	0.006	-0.167
100	A138_Unbiased_HDR	5.531	5.550	-0.019		
100	A139_Unbiased_HDR	5.614	5.638	-0.024		
100	B60_Unbiased_HDR	5.647	5.642	0.005		
100	B61_Unbiased_HDR	5.649	5.619	0.030		
100	B69_Unbiased_HDR	5.641	5.641	0.000		
100	B70_Unbiased_HDR	5.649	5.643	0.006		
100	B71_Unbiased_HDR	5.580	5.572	0.008		
100	B72_Unbiased_HDR	5.630	5.621	0.009		
100	B73_Unbiased_HDR	5.630	5.626	0.004		
100	B74_Unbiased_HDR	5.604	5.598	0.006		
100	B77_Unbiased_HDR	5.589	5.585	0.004		
100	B78_Unbiased_HDR	5.653	5.648	0.005		
100	B79_Unbiased_HDR	5.650	5.642	0.008		
100	B80_Unbiased_HDR	5.610	5.601	0.009		
100	C70_Unbiased_HDR	5.595	5.588	0.007		
100	C71_Unbiased_HDR	5.577	5.563	0.014		
100	C72_Unbiased_HDR	5.606	5.601	0.005		
100	C73_Unbiased_HDR	5.627	5.618	0.009		
100	C75_Unbiased_HDR	5.575	5.563	0.012		
100	C76_Unbiased_HDR	5.617	5.613	0.004		
100	C79_Unbiased_HDR	5.631	5.630	0.001		
0	108_Corr	5.499	5.499	0.000		
50	A92_Biased_LDR	5.650	5.651	-0.001	-0.006	
50	A93_Biased_LDR	5.607	5.607	0.000		
50	B12_Biased_LDR	5.641	5.659	-0.018		
50	B13_Biased_LDR	5.647	5.690	-0.043		
50	C14_Biased_LDR	5.601	5.607	-0.006		
50	A95_Unbiased_LDR	5.672	5.673	-0.001	-0.004	
50	B96_Unbiased_LDR	5.627	5.631	-0.004		
50	B15_Unbiased_LDR	5.644	5.650	-0.006		
50	B16_Unbiased_LDR	5.649	5.647	0.002		
50	C15_Unbiased_LDR	5.552	5.630	-0.078		
0	106_Corr	5.524	5.526	-0.002		
100	A99_Biased_LDR	5.675	5.668	0.007	-0.002	
100	A99_Biased_LDR	5.605	5.611	-0.006		
100	A100_Biased_LDR	5.635	5.633	0.002		
100	A101_Biased_LDR	5.629	5.623	0.006		
100	A102_Biased_LDR	5.622	5.608	0.014		
100	A104_Biased_LDR	5.576	5.595	-0.019		
100	A105_Biased_LDR	5.633	5.631	0.002		
100	B17_Biased_LDR	5.609	5.623	-0.014		
100	B18_Biased_LDR	5.611	5.621	-0.010		
100	B19_Biased_LDR	5.632	5.660	-0.028		
100	B20_Biased_LDR	5.648	5.644	0.004		
100	B21_Biased_LDR	5.653	5.653	0.000		
100	B24_Biased_LDR	5.619	5.632	-0.013		
100	B25_Biased_LDR	5.595	5.593	0.002		
100	B26_Biased_LDR	5.566	5.584	-0.018		
100	C16_Biased_LDR	5.553	5.554	-0.001		
100	C17_Biased_LDR	5.617	5.616	0.001		
100	C18_Biased_LDR	5.598	5.601	-0.003		
100	C19_Biased_LDR	5.610	5.617	-0.007		
100	C25_Biased_LDR	5.599	5.604	-0.005		
100	C26_Biased_LDR	5.563	5.567	-0.004		
100	C31_Biased_LDR	5.601	5.601	0.000		
100	A107_Unbiased_LDR	5.610	5.614	-0.004	-0.001	
100	A108_Unbiased_LDR	5.650	5.651	-0.001		
100	A109_Unbiased_LDR	5.567	5.567	0.000		
100	A110_Unbiased_LDR	5.631	5.631	0.000		
100	A111_Unbiased_LDR	5.648	5.649	-0.001		
100	A112_Unbiased_LDR	5.640	5.644	-0.004		
100	A113_Unbiased_LDR	5.615	5.637	-0.022		
100	B27_Unbiased_LDR	5.595	5.660	-0.065		
100	B29_Unbiased_LDR	5.641	5.641	0.000		
100	B30_Unbiased_LDR	5.658	5.648	0.010		
100	B31_Unbiased_LDR	5.628	5.638	-0.010		
100	B32_Unbiased_LDR	5.655	5.643	0.012		
100	B33_Unbiased_LDR	5.621	5.650	-0.029		
100	B34_Unbiased_LDR	5.640	5.639	0.001		
100	B35_Unbiased_LDR	5.655	5.658	-0.003		
100	C30_Unbiased_LDR	5.553	5.557	-0.004		
100	C33_Unbiased_LDR	5.598	5.597	0.001		
100	C34_Unbiased_LDR	5.651	5.653	-0.002		
100	C35_Unbiased_LDR	5.554	5.555	-0.001		
100	C36_Unbiased_LDR	5.550	5.556	-0.006		
100	C37_Unbiased_LDR	5.612	5.613	-0.001		
100	C38_Unbiased_LDR	5.634	5.634	0.000		
	Max	5.675	5.693	0.030		
	Average	5.611	5.618	-0.008		
	Min	5.499	5.499	-0.092		
	Std Dev	0.036	0.037	0.019		

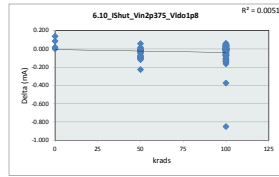


6.9_IDDshut_Vin2p925_Vldo2p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Max Limit	8 uA		8 uA			
Min Limit	0.1 uA		0.1 uA			
LL	0.100	0.100	0.100			
Min	5.499	5.546	5.544			
Average	5.545	5.640	5.616			
Max	5.637	5.690	5.693			
UL	8.000	8.000	8.000			

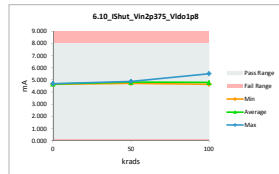


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.10_I_ShuL_Vin2p375_VIdo1p8									
Test Site	Dallas, Tx		Dallas, Tx						
Tester	ETS		ETS						
Test Number	EF636800		EF636800						
Part	mS		mS						
Max Limit	8		8						
Min Limit	0.1		0.1						
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate			
0	374_Corr	4.795	4.659	0.136					
50	A126_Biased_HDR	4.749	4.756	-0.007	-0.029	1.793			
50	A126_Unbiased_HDR	4.716	4.745	-0.029					
50	B48_Biased_HDR	4.667	4.774	-0.107					
50	B49_Unbiased_HDR	4.727	4.830	-0.103					
50	C51_Biased_HDR	4.746	4.733	0.013					
50	A130_Unbiased_HDR	4.744	4.835	-0.091	-0.076	0.368			
50	A131_Unbiased_HDR	4.776	4.795	-0.019					
50	B50_Unbiased_HDR	4.771	4.847	-0.076					
50	B51_Unbiased_HDR	4.688	4.806	-0.118					
50	C53_Unbiased_HDR	4.780	4.734	0.046					
0	Vd6_Corr	4.727	4.644	0.083					
100	A132_Biased_HDR	4.635	4.771	-0.136	-0.017	1.229			
100	A134_Biased_HDR	4.662	5.512	-0.850					
100	A135_Biased_HDR	4.667	4.732	-0.065					
100	B82_Biased_HDR	4.687	4.736	-0.049					
100	B84_Biased_HDR	4.703	4.775	-0.072					
100	B85_Biased_HDR	4.605	4.718	-0.113					
100	B86_Biased_HDR	4.809	4.833	-0.024					
100	B87_Biased_HDR	4.636	4.802	-0.166					
100	B89_Biased_HDR	4.660	4.804	-0.144					
100	B82_Unbiased_HDR	4.871	4.861	0.010					
100	B83_Unbiased_HDR	4.798	4.799	-0.001					
100	B84_Unbiased_HDR	4.794	4.805	-0.011					
100	B86_Unbiased_HDR	4.805	4.796	0.009					
100	B88_Unbiased_HDR	4.765	4.784	-0.019					
100	C54_Biased_HDR	4.786	4.781	0.005					
100	C55_Biased_HDR	4.712	4.740	-0.028					
100	C56_Biased_HDR	4.755	4.768	-0.013					
100	C57_Biased_HDR	4.717	4.733	-0.016					
100	C58_Biased_HDR	4.826	4.969	-0.143					
100	C59_Biased_HDR	4.718	4.716	0.002					
100	C45_Biased_HDR	4.741	4.738	0.003					
100	C47_Biased_HDR	4.735	4.714	0.021					
100	A122_Unbiased_HDR	4.669	4.784	-0.115	0.023	-0.622			
100	A138_Unbiased_HDR	4.634	4.708	-0.074					
100	A139_Unbiased_HDR	4.633	4.743	-0.110					
100	B80_Unbiased_HDR	4.800	4.770	0.030					
100	B83_Unbiased_HDR	4.776	4.781	-0.005					
100	B84_Unbiased_HDR	4.800	4.750	0.050					
100	B80_Unbiased_HDR	4.776	4.756	0.020					
100	B71_Unbiased_HDR	4.728	4.709	0.019					
100	B72_Unbiased_HDR	4.776	4.745	0.031					
100	B73_Unbiased_HDR	4.769	4.749	0.020					
100	B74_Unbiased_HDR	4.798	4.740	0.058					
100	B77_Unbiased_HDR	4.754	4.760	-0.006					
100	B78_Unbiased_HDR	4.793	4.796	-0.003					
100	B79_Unbiased_HDR	4.731	4.718	0.013					
100	B80_Unbiased_HDR	4.808	4.781	0.027					
100	C70_Unbiased_HDR	4.760	4.717	0.043					
100	C71_Unbiased_HDR	4.746	4.703	0.043					
100	C72_Unbiased_HDR	4.736	4.711	0.025					
100	C73_Unbiased_HDR	4.798	4.766	0.032					
100	C75_Unbiased_HDR	4.718	4.669	0.049					
100	C76_Unbiased_HDR	4.769	4.750	0.019					
100	C79_Unbiased_HDR	4.754	4.765	-0.011					
0	Vd8_Corr	4.703	4.703	0.000					
50	A92_Biased_LDR	4.823	4.846	-0.023	-0.052				
50	A93_Biased_LDR	4.783	4.784	-0.001					
50	B12_Biased_LDR	4.796	4.889	-0.093					
50	B13_Biased_LDR	4.626	4.854	-0.228					
50	C14_Biased_LDR	4.799	4.851	-0.052					
50	A95_Unbiased_LDR	4.808	4.820	-0.012	-0.028				
50	A96_Unbiased_LDR	4.780	4.808	-0.028					
50	B15_Unbiased_LDR	4.812	4.851	-0.039					
50	B16_Unbiased_LDR	4.871	4.877	-0.006					
50	C15_Unbiased_LDR	4.784	4.833	-0.049					
0	Vd6_Corr	4.691	4.633	0.058					
100	A97_Biased_LDR	4.850	4.827	0.023	-0.021				
100	A99_Biased_LDR	4.770	4.790	-0.020					
100	A100_Biased_LDR	4.833	4.854	-0.021					
100	A101_Biased_LDR	4.829	4.799	0.030					
100	A102_Biased_LDR	4.820	4.832	-0.012					
100	A104_Biased_LDR	4.583	4.687	-0.104					
100	A105_Biased_LDR	4.721	4.721	0.000					
100	B17_Biased_LDR	4.771	4.843	-0.072					
100	B18_Biased_LDR	4.755	4.816	-0.061					
100	B19_Biased_LDR	4.668	4.805	-0.137					
100	B20_Biased_LDR	4.795	4.801	-0.006					
100	B21_Biased_LDR	4.854	4.857	-0.003					
100	B24_Biased_LDR	4.688	4.757	-0.069					
100	B25_Biased_LDR	4.772	4.786	-0.014					
100	B26_Biased_LDR	4.710	4.784	-0.074					
100	C16_Biased_LDR	4.761	4.783	-0.022					
100	C17_Biased_LDR	4.821	4.830	-0.009					
100	C18_Biased_LDR	4.712	4.745	-0.033					
100	C19_Biased_LDR	4.728	4.769	-0.041					
100	C25_Biased_LDR	4.827	4.880	-0.053					
100	C26_Biased_LDR	4.680	4.717	-0.037					
100	C31_Biased_LDR	4.809	4.817	-0.008					
100	A107_Unbiased_LDR	4.830	4.853	-0.023	-0.014				
100	A108_Unbiased_LDR	4.849	4.887	-0.038					
100	A109_Unbiased_LDR	4.635	4.640	-0.005					
100	A110_Unbiased_LDR	4.731	4.740	-0.009					
100	A111_Unbiased_LDR	4.745	4.746	-0.001					
100	A112_Unbiased_LDR	4.795	4.841	-0.046					
100	A113_Unbiased_LDR	4.739	4.823	-0.084					
100	B27_Unbiased_LDR	4.723	5.099	-0.376					
100	B29_Unbiased_LDR	4.791	4.799	-0.008					
100	B30_Unbiased_LDR	4.879	4.840	0.039					
100	B31_Unbiased_LDR	4.722	4.791	-0.069					
100	B32_Unbiased_LDR	4.866	4.826	0.040					
100	B33_Unbiased_LDR	4.709	4.839	-0.130					
100	B34_Unbiased_LDR	4.797	4.795	0.002					
100	B35_Unbiased_LDR	4.955	4.869	-0.086					
100	C32_Unbiased_LDR	4.765	4.781	-0.016					
100	C33_Unbiased_LDR	4.810	4.824	-0.014					
100	C34_Unbiased_LDR	4.823	4.837	-0.014					
100	C35_Unbiased_LDR	4.696	4.709	-0.013					
100	C36_Unbiased_LDR	4.732	4.761	-0.029					
100	C37_Unbiased_LDR	4.803	4.815	-0.012					
100	C38_Unbiased_LDR	4.773	4.767	0.006					
	Max	4.879	5.512	0.136					
	Average	4.755	4.790	-0.035					
	Min	4.583	4.640	-0.850					
	Std Dev	0.063	0.095	0.101					

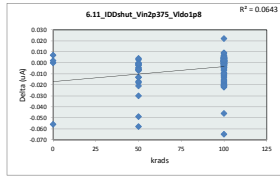


6.10_I_ShuL_Vin2p375_VIdo1p8									
Test Site	Dallas, Tx		Dallas, Tx						
Tester	ETS		ETS						
Test Number	EF636800		EF636800						
Max Limit	8		mA						
Min Limit	0.1		mA						
krads	0	50	100						
LL	0.100	0.100	0.100						
Min	4.644	4.724	4.640						
Average	4.670	4.813	4.791						
Max	4.703	4.889	5.512						
UL	8.000	8.000	8.000						

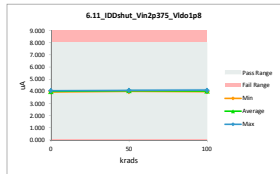


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.11_IDDRshut_Vin2p375_Vldo1p8						
Test Site		Dallas, Tx		Dallas, Tx		
Tester		ETS		ETS		
Test Number		EF636800		EF636800		
Unit		uA		uA		
Max Limit		8		8		
Min Limit		0.1		0.1		
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	4.005	4.061	-0.056		
50	A128_Biased_HDR	4.059	4.060	-0.001	-0.007	0.714
50	A128_Unbiased_HDR	4.055	4.062	-0.007		
50	B48_Biased_HDR	4.046	4.064	-0.018		
50	B49_Biased_HDR	4.043	4.064	-0.021		
50	C51_Biased_HDR	4.070	4.067	0.003		
50	A130_Unbiased_HDR	4.044	4.061	-0.017	-0.013	0.308
50	A133_Unbiased_HDR	4.057	4.063	-0.006		
50	B50_Unbiased_HDR	4.054	4.067	-0.013		
50	B51_Unbiased_HDR	4.007	4.065	-0.058		
50	C53_Unbiased_HDR	3.997	3.993	0.004		
0	106_Corr	3.980	3.973	0.007		
100	A132_Biased_HDR	4.029	4.050	-0.021	0.001	-1.000
100	A134_Biased_HDR	4.032	4.097	-0.065		
100	A135_Biased_HDR	4.009	4.021	-0.012		
100	B52_Biased_HDR	4.007	4.008	-0.001		
100	B54_Biased_HDR	4.056	4.067	-0.011		
100	B55_Biased_HDR	4.033	4.053	-0.020		
100	B56_Biased_HDR	4.049	4.048	0.001		
100	B57_Biased_HDR	3.996	4.015	-0.019		
100	B59_Biased_HDR	4.046	4.067	-0.021		
100	B62_Biased_HDR	4.061	4.057	0.004		
100	B64_Biased_HDR	4.045	4.042	0.003		
100	B64_Biased_HDR	4.069	4.065	0.004		
100	B66_Biased_HDR	4.072	4.066	0.006		
100	B68_Biased_HDR	4.070	4.064	0.006		
100	C54_Biased_HDR	4.062	4.059	0.003		
100	C55_Biased_HDR	4.002	3.998	0.004		
100	C56_Biased_HDR	4.055	4.054	0.001		
100	C57_Biased_HDR	4.006	4.002	0.004		
100	C58_Biased_HDR	4.019	4.017	0.002		
100	C59_Biased_HDR	4.026	4.024	0.002		
100	C45_Biased_HDR	4.021	4.024	-0.003		
100	C47_Biased_HDR	3.995	3.991	0.004		
100	A122_Unbiased_HDR	4.037	4.057	-0.020	0.003	-0.200
100	A138_Unbiased_HDR	3.981	3.994	-0.013		
100	A139_Unbiased_HDR	4.040	4.058	-0.018		
100	B60_Unbiased_HDR	4.064	4.060	0.004		
100	B61_Unbiased_HDR	4.066	4.044	0.022		
100	B69_Unbiased_HDR	4.064	4.051	0.003		
100	B70_Unbiased_HDR	4.066	4.063	0.003		
100	B71_Unbiased_HDR	4.016	4.014	0.002		
100	B72_Unbiased_HDR	4.052	4.047	0.005		
100	B73_Unbiased_HDR	4.051	4.049	0.002		
100	B74_Unbiased_HDR	4.033	4.031	0.002		
100	B77_Unbiased_HDR	4.022	4.021	0.001		
100	B78_Unbiased_HDR	4.069	4.068	0.001		
100	B79_Unbiased_HDR	4.066	4.060	0.006		
100	B80_Unbiased_HDR	4.037	4.034	0.003		
100	C70_Unbiased_HDR	4.025	4.022	0.003		
100	C71_Unbiased_HDR	4.013	4.004	0.009		
100	C72_Unbiased_HDR	4.035	4.030	0.005		
100	C73_Unbiased_HDR	4.049	4.047	0.002		
100	C75_Unbiased_HDR	4.012	4.008	0.004		
100	C76_Unbiased_HDR	4.042	4.042	0.000		
100	C79_Unbiased_HDR	4.053	4.054	-0.001		
0	108_Corr	3.960	3.960	0.000		
50	A92_Biased_LDR	4.067	4.069	-0.002	-0.005	
50	A93_Biased_LDR	4.035	4.035	0.000		
50	B12_Biased_LDR	4.059	4.072	-0.013		
50	B13_Biased_LDR	4.065	4.095	-0.030		
50	C14_Biased_LDR	4.011	4.036	-0.025		
50	A95_Unbiased_LDR	4.083	4.085	-0.002	-0.004	
50	B96_Unbiased_LDR	4.049	4.053	-0.004		
50	B15_Unbiased_LDR	4.062	4.068	-0.006		
50	B16_Unbiased_LDR	4.064	4.065	-0.001		
50	C15_Unbiased_LDR	3.996	4.045	-0.049		
0	106_Corr	3.976	3.974	0.002		
100	A99_Biased_LDR	4.085	4.078	0.007	-0.001	
100	A100_Biased_LDR	4.034	4.038	-0.004		
100	A100_Biased_LDR	4.056	4.057	-0.001		
100	A101_Biased_LDR	4.050	4.045	0.005		
100	A102_Biased_LDR	4.046	4.037	0.009		
100	A104_Biased_LDR	4.014	4.031	-0.017		
100	A105_Biased_LDR	4.053	4.051	0.002		
100	B71_Biased_LDR	4.037	4.046	-0.009		
100	B18_Biased_LDR	4.038	4.044	-0.006		
100	B19_Biased_LDR	4.054	4.076	-0.022		
100	B20_Biased_LDR	4.065	4.064	0.001		
100	B21_Biased_LDR	4.068	4.066	0.002		
100	B24_Biased_LDR	4.044	4.054	-0.010		
100	B25_Biased_LDR	4.027	4.028	-0.001		
100	B26_Biased_LDR	4.004	4.019	-0.015		
100	C16_Biased_LDR	3.997	3.998	-0.001		
100	C17_Biased_LDR	4.042	4.042	0.000		
100	C18_Biased_LDR	4.029	4.032	-0.003		
100	C19_Biased_LDR	4.038	4.040	-0.002		
100	C25_Biased_LDR	4.029	4.036	-0.007		
100	C26_Biased_LDR	4.005	4.006	-0.001		
100	C31_Biased_LDR	4.032	4.034	-0.002		
100	A107_Unbiased_LDR	4.039	4.043	-0.004	0.000	
100	A108_Unbiased_LDR	4.046	4.048	-0.002		
100	A109_Unbiased_LDR	4.007	4.007	0.000		
100	A110_Unbiased_LDR	4.053	4.052	0.001		
100	A111_Unbiased_LDR	4.065	4.065	0.000		
100	A112_Unbiased_LDR	4.059	4.064	-0.005		
100	A113_Unbiased_LDR	4.041	4.057	-0.016		
100	B27_Unbiased_LDR	4.027	4.073	-0.046		
100	B29_Unbiased_LDR	4.060	4.060	0.000		
100	B30_Unbiased_LDR	4.072	4.067	0.005		
100	B31_Unbiased_LDR	4.051	4.061	-0.010		
100	B32_Unbiased_LDR	4.069	4.064	0.005		
100	B33_Unbiased_LDR	4.045	4.066	-0.021		
100	B34_Unbiased_LDR	4.060	4.060	0.000		
100	B35_Unbiased_LDR	4.071	4.073	-0.002		
100	C30_Unbiased_LDR	3.997	3.996	0.001		
100	C33_Unbiased_LDR	4.029	4.028	0.001		
100	C34_Unbiased_LDR	4.067	4.066	0.001		
100	C35_Unbiased_LDR	3.999	3.999	-0.001		
100	C36_Unbiased_LDR	3.995	3.999	-0.004		
100	C37_Unbiased_LDR	4.039	4.040	-0.001		
100	C38_Unbiased_LDR	4.055	4.053	0.002		
	Max	4.085	4.097	0.022		
	Average	4.039	4.044	-0.005		
	Min	3.960	3.960	-0.065		
	Std Dev	0.026	0.027	0.014		

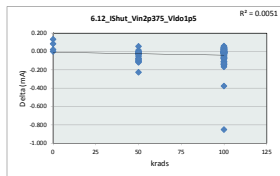


6.11_IDDRshut_Vin2p375_Vldo1p8						
Test Site		Dallas, Tx		Dallas, Tx		
Tester		ETS		ETS		
Test Number		EF636800		EF636800		
Unit		uA		uA		
Max Limit		8		8		
Min Limit		0.1		0.1		
LL	0.100	0.100	0.100			
Min	3.960	3.993	3.991			
Average	3.992	4.009	4.043			
Max	4.061	4.095	4.097			
UL	8.000	8.000	8.000			

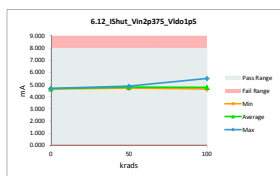


TID ELDRS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.12_Ishut_Vin2p375_VIdo1p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	mA		mA			
Max Limit	8		8			
Min Limit	0.1		0.1			
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	4.772	4.639	0.133		
50	A126_Biased_HDR	4.727	4.732	-0.005	-0.029	1.793
50	A126_Unbiased_HDR	4.695	4.724	-0.029		
50	B48_Biased_HDR	4.644	4.754	-0.110		
50	B49_Unbiased_HDR	4.703	4.806	-0.103		
50	C51_Biased_HDR	4.724	4.710	0.014		
50	A130_Unbiased_HDR	4.721	4.813	-0.092	-0.074	0.378
50	A131_Unbiased_HDR	4.755	4.774	-0.019		
50	B50_Unbiased_HDR	4.747	4.821	-0.074		
50	B51_Unbiased_HDR	4.665	4.784	-0.119		
50	C53_Unbiased_HDR	4.759	4.794	0.035		
0	106_Corr	4.706	4.623	0.083		
100	A132_Biased_HDR	4.612	4.750	-0.138	-0.017	1.118
100	A134_Biased_HDR	4.638	5.491	-0.853		
100	A135_Biased_HDR	4.644	4.709	-0.065		
100	B62_Biased_HDR	4.665	4.717	-0.052		
100	B64_Biased_HDR	4.681	4.753	-0.072		
100	B65_Biased_HDR	4.583	4.698	-0.115		
100	B66_Biased_HDR	4.786	4.811	-0.025		
100	B67_Biased_HDR	4.613	4.782	-0.169		
100	B69_Biased_HDR	4.636	4.782	-0.146		
100	B62_Unbiased_HDR	4.849	4.838	0.011		
100	B63_Unbiased_HDR	4.774	4.779	-0.005		
100	B64_Unbiased_HDR	4.771	4.785	-0.014		
100	B66_Unbiased_HDR	4.762	4.774	0.008		
100	B68_Unbiased_HDR	4.743	4.761	-0.018		
100	C54_Biased_HDR	4.764	4.757	0.007		
100	C55_Biased_HDR	4.690	4.698	-0.008		
100	C56_Biased_HDR	4.733	4.749	-0.016		
100	C57_Biased_HDR	4.696	4.712	-0.016		
100	C58_Biased_HDR	4.804	4.947	-0.143		
100	C59_Biased_HDR	4.697	4.696	0.001		
100	C65_Biased_HDR	4.720	4.716	0.004		
100	C67_Biased_HDR	4.715	4.692	0.023		
100	A122_Unbiased_HDR	4.646	4.761	-0.115	0.022	-0.698
100	A126_Unbiased_HDR	4.613	4.687	-0.074		
100	A139_Unbiased_HDR	4.611	4.720	-0.109		
100	B60_Unbiased_HDR	4.778	4.748	0.030		
100	B63_Unbiased_HDR	4.754	4.768	-0.014		
100	B64_Unbiased_HDR	4.778	4.729	0.049		
100	B60_Unbiased_HDR	4.754	4.735	0.019		
100	B71_Unbiased_HDR	4.707	4.689	0.018		
100	B72_Unbiased_HDR	4.754	4.723	0.031		
100	B73_Unbiased_HDR	4.747	4.726	0.021		
100	B74_Unbiased_HDR	4.777	4.718	0.059		
100	B77_Unbiased_HDR	4.732	4.739	-0.007		
100	B78_Unbiased_HDR	4.771	4.771	0.000		
100	B79_Unbiased_HDR	4.708	4.694	0.014		
100	B80_Unbiased_HDR	4.785	4.760	0.025		
100	C70_Unbiased_HDR	4.738	4.693	0.045		
100	C71_Unbiased_HDR	4.725	4.680	0.045		
100	C72_Unbiased_HDR	4.715	4.693	0.022		
100	C73_Unbiased_HDR	4.776	4.743	0.033		
100	C75_Unbiased_HDR	4.696	4.649	0.047		
100	C76_Unbiased_HDR	4.749	4.730	0.019		
100	C79_Unbiased_HDR	4.732	4.742	-0.010		
0	106_Corr	4.681	4.681	0.000		
50	A92_Biased_LDR	4.801	4.824	-0.023	-0.052	
50	A93_Biased_LDR	4.761	4.763	-0.002		
50	B12_Biased_LDR	4.772	4.867	-0.095		
50	B13_Biased_LDR	4.605	4.832	-0.227		
50	C14_Biased_LDR	4.778	4.830	-0.052		
50	A95_Unbiased_LDR	4.787	4.799	-0.012	-0.028	
50	A96_Unbiased_LDR	4.758	4.786	-0.028		
50	B15_Unbiased_LDR	4.829	4.829	0.000		
50	B16_Unbiased_LDR	4.848	4.855	-0.007		
50	C15_Unbiased_LDR	4.734	4.811	-0.077		
0	106_Corr	4.670	4.650	0.020		
100	A97_Biased_LDR	4.829	4.805	0.024	-0.019	
100	A99_Biased_LDR	4.748	4.767	-0.019		
100	A100_Biased_LDR	4.812	4.831	-0.019		
100	A101_Biased_LDR	4.806	4.777	0.029		
100	A102_Biased_LDR	4.797	4.808	-0.011		
100	A104_Biased_LDR	4.562	4.669	-0.107		
100	A106_Biased_LDR	4.701	4.701	0.000		
100	B17_Biased_LDR	4.749	4.822	-0.073		
100	B18_Biased_LDR	4.734	4.796	-0.062		
100	B19_Biased_LDR	4.646	4.781	-0.135		
100	B20_Biased_LDR	4.774	4.779	-0.005		
100	B21_Biased_LDR	4.831	4.836	-0.005		
100	B24_Biased_LDR	4.668	4.739	-0.071		
100	B25_Biased_LDR	4.750	4.766	-0.016		
100	B26_Biased_LDR	4.687	4.763	-0.076		
100	C16_Biased_LDR	4.741	4.760	-0.019		
100	C17_Biased_LDR	4.799	4.806	-0.007		
100	C18_Biased_LDR	4.690	4.724	-0.034		
100	C19_Biased_LDR	4.706	4.748	-0.042		
100	C25_Biased_LDR	4.806	4.858	-0.052		
100	C26_Biased_LDR	4.699	4.695	0.004		
100	C31_Biased_LDR	4.788	4.797	-0.009		
100	A107_Unbiased_LDR	4.808	4.828	-0.020	-0.015	
100	A108_Unbiased_LDR	4.847	4.863	-0.016		
100	A109_Unbiased_LDR	4.614	4.622	-0.008		
100	A110_Unbiased_LDR	4.711	4.722	-0.011		
100	A111_Unbiased_LDR	4.724	4.723	0.001		
100	A112_Unbiased_LDR	4.773	4.818	-0.045		
100	A113_Unbiased_LDR	4.718	4.802	-0.084		
100	B27_Unbiased_LDR	4.701	5.017	-0.316		
100	B29_Unbiased_LDR	4.769	4.777	-0.008		
100	B30_Unbiased_LDR	4.857	4.821	0.036		
100	B31_Unbiased_LDR	4.698	4.766	-0.068		
100	B32_Unbiased_LDR	4.843	4.804	0.039		
100	B33_Unbiased_LDR	4.685	4.818	-0.133		
100	B34_Unbiased_LDR	4.774	4.771	0.003		
100	B35_Unbiased_LDR	4.832	4.848	-0.016		
100	C32_Unbiased_LDR	4.744	4.761	-0.017		
100	C33_Unbiased_LDR	4.788	4.799	-0.011		
100	C34_Unbiased_LDR	4.800	4.815	-0.015		
100	C35_Unbiased_LDR	4.676	4.687	-0.011		
100	C36_Unbiased_LDR	4.710	4.740	-0.030		
100	C37_Unbiased_LDR	4.781	4.796	-0.015		
100	C38_Unbiased_LDR	4.751	4.742	0.009		
	Max	4.857	5.491	0.133		
	Average	4.733	4.769	-0.035		
	Min	4.562	4.622	-0.853		
	Std Dev	0.063	0.094	0.102		

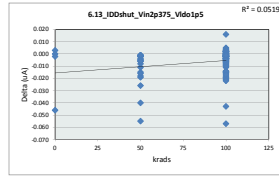


6.12_Ishut_Vin2p375_VIdo1p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	mA		mA			
Max Limit	8		8			
Min Limit	0.1		0.1			
LL	0.100	0.100	0.100	0.100		
Min	4.623	4.704	4.622			
Average	4.648	4.791	4.769			
Max	4.681	4.867	5.491			
UL	8.000	8.000	8.000			

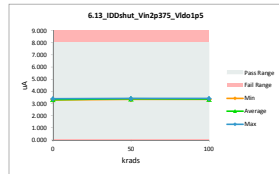


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

6.13_IDDshut_Vin2p375_Vld01p5						
Test Site	Dallas, TX		Dallas, TX			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	uA		uA			
Max Limit	B		B			
Min Limit	0.1		0.1			
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	3.336	3.382	-0.046		
50	A120_Biased_HDR	3.381	3.385	-0.004	-0.008	0.625
50	A120_Unbiased_HDR	3.378	3.386	-0.008		
50	B48_Biased_HDR	3.370	3.385	-0.015		
50	B49_Unbiased_HDR	3.367	3.386	-0.019		
50	C51_Biased_HDR	3.390	3.392	-0.002		
50	A130_Unbiased_HDR	3.369	3.387	-0.018	-0.016	0.313
50	A133_Unbiased_HDR	3.380	3.386	-0.006		
50	B50_Unbiased_HDR	3.377	3.393	-0.016		
50	B51_Unbiased_HDR	3.337	3.392	-0.055		
50	C53_Unbiased_HDR	3.329	3.330	-0.001		
0	106_Corr	3.316	3.313	0.003		
100	A132_Biased_HDR	3.358	3.374	-0.016	-0.003	1.400
100	A134_Biased_HDR	3.358	3.415	-0.057		
100	A135_Unbiased_HDR	3.339	3.353	-0.014		
100	B52_Biased_HDR	3.337	3.342	-0.005		
100	B54_Biased_HDR	3.379	3.388	-0.009		
100	B55_Biased_HDR	3.358	3.377	-0.019		
100	B56_Biased_HDR	3.373	3.376	-0.003		
100	B57_Biased_HDR	3.328	3.348	-0.020		
100	B59_Biased_HDR	3.371	3.392	-0.021		
100	B62_Biased_HDR	3.383	3.383	0.000		
100	B64_Biased_HDR	3.370	3.371	-0.001		
100	B64_Unbiased_HDR	3.389	3.390	-0.001		
100	B66_Biased_HDR	3.392	3.390	0.002		
100	B68_Biased_HDR	3.391	3.388	0.003		
100	C54_Biased_HDR	3.384	3.382	0.002		
100	C55_Biased_HDR	3.333	3.335	-0.002		
100	C56_Biased_HDR	3.377	3.383	-0.006		
100	C57_Biased_HDR	3.335	3.336	-0.001		
100	C58_Biased_HDR	3.347	3.349	-0.002		
100	C59_Biased_HDR	3.354	3.355	-0.001		
100	C45_Biased_HDR	3.348	3.354	-0.006		
100	C47_Biased_HDR	3.328	3.330	-0.002		
100	A122_Unbiased_HDR	3.363	3.381	-0.018	0.000	#DIV/0!
100	A138_Unbiased_HDR	3.376	3.331	-0.045		
100	A139_Unbiased_HDR	3.366	3.381	-0.015		
100	B60_Unbiased_HDR	3.385	3.384	0.001		
100	B61_Unbiased_HDR	3.387	3.371	0.016		
100	B63_Unbiased_HDR	3.385	3.383	0.002		
100	B70_Unbiased_HDR	3.387	3.388	-0.001		
100	B71_Unbiased_HDR	3.345	3.345	0.000		
100	B72_Unbiased_HDR	3.375	3.375	0.000		
100	B73_Unbiased_HDR	3.375	3.375	0.000		
100	B74_Unbiased_HDR	3.359	3.358	0.001		
100	B77_Unbiased_HDR	3.350	3.352	-0.002		
100	B78_Unbiased_HDR	3.389	3.390	-0.001		
100	B79_Unbiased_HDR	3.387	3.387	0.000		
100	B80_Unbiased_HDR	3.363	3.361	0.002		
100	C70_Unbiased_HDR	3.354	3.353	0.001		
100	C71_Unbiased_HDR	3.342	3.340	0.002		
100	C72_Unbiased_HDR	3.361	3.362	-0.001		
100	C73_Unbiased_HDR	3.374	3.372	0.002		
100	C75_Unbiased_HDR	3.341	3.338	0.003		
100	C76_Unbiased_HDR	3.367	3.369	-0.002		
100	C79_Unbiased_HDR	3.376	3.380	-0.004		
0	158_Corr	3.298	3.298	0.000		
50	A92_Biased_LDR	3.387	3.389	-0.002	-0.005	
50	A93_Biased_LDR	3.361	3.362	-0.001		
50	B12_Biased_LDR	3.383	3.394	-0.011		
50	B13_Biased_LDR	3.386	3.412	-0.026		
50	C14_Biased_LDR	3.358	3.363	-0.005		
50	A95_Unbiased_LDR	3.401	3.403	-0.002	-0.005	
50	B96_Unbiased_LDR	3.373	3.378	-0.005		
50	B15_Unbiased_LDR	3.383	3.389	-0.006		
50	B16_Unbiased_LDR	3.386	3.387	-0.001		
50	C15_Unbiased_LDR	3.340	3.370	-0.030		
0	106_Corr	3.313	3.315	-0.002		
100	A99_Biased_LDR	3.403	3.401	0.002	-0.003	
100	A99_Unbiased_LDR	3.361	3.365	-0.004		
100	A100_Biased_LDR	3.378	3.379	-0.001		
100	A101_Biased_LDR	3.375	3.370	0.005		
100	A102_Biased_LDR	3.370	3.366	0.004		
100	A104_Biased_LDR	3.343	3.358	-0.015		
100	A105_Biased_LDR	3.376	3.379	-0.003		
100	B17_Biased_LDR	3.363	3.374	-0.011		
100	B18_Biased_LDR	3.363	3.371	-0.008		
100	B19_Biased_LDR	3.376	3.395	-0.019		
100	B20_Biased_LDR	3.386	3.386	0.000		
100	B21_Biased_LDR	3.389	3.391	-0.002		
100	B24_Biased_LDR	3.370	3.380	-0.010		
100	B25_Biased_LDR	3.354	3.357	-0.003		
100	B26_Biased_LDR	3.337	3.351	-0.014		
100	C16_Biased_LDR	3.330	3.332	-0.002		
100	C17_Biased_LDR	3.367	3.369	-0.002		
100	C18_Biased_LDR	3.356	3.360	-0.004		
100	C19_Biased_LDR	3.364	3.372	-0.008		
100	C25_Biased_LDR	3.358	3.365	-0.007		
100	C26_Biased_LDR	3.346	3.340	-0.004		
100	C31_Biased_LDR	3.358	3.359	-0.001		
100	A107_Unbiased_LDR	3.363	3.367	-0.004	-0.004	
100	A108_Unbiased_LDR	3.388	3.390	-0.002		
100	A109_Unbiased_LDR	3.338	3.340	-0.002		
100	A110_Unbiased_LDR	3.375	3.380	-0.005		
100	A111_Unbiased_LDR	3.386	3.390	-0.004		
100	A112_Unbiased_LDR	3.381	3.386	-0.005		
100	A113_Unbiased_LDR	3.367	3.384	-0.017		
100	B27_Unbiased_LDR	3.385	3.398	-0.013		
100	B29_Unbiased_LDR	3.382	3.384	-0.002		
100	B30_Unbiased_LDR	3.393	3.389	0.004		
100	B31_Unbiased_LDR	3.374	3.383	-0.009		
100	B32_Unbiased_LDR	3.390	3.388	0.002		
100	B33_Unbiased_LDR	3.370	3.392	-0.022		
100	B34_Unbiased_LDR	3.381	3.383	-0.002		
100	B35_Unbiased_LDR	3.391	3.395	-0.004		
100	C30_Unbiased_LDR	3.330	3.336	-0.006		
100	C33_Unbiased_LDR	3.357	3.357	0.000		
100	C34_Unbiased_LDR	3.389	3.389	0.000		
100	C35_Unbiased_LDR	3.329	3.336	-0.007		
100	C36_Unbiased_LDR	3.328	3.332	-0.004		
100	C37_Unbiased_LDR	3.364	3.369	-0.005		
100	C38_Unbiased_LDR	3.378	3.379	-0.001		
	Max	3.403	3.415	0.016		
	Average	3.364	3.371	-0.007		
	Min	3.298	3.298	-0.000		
	Std Dev	0.022	0.022	0.011		

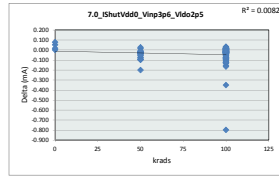


6.13_IDDshut_Vin2p375_Vld01p5			
Test Site	Dallas, TX		
Tester	ETS		
Test Number	EF636800		
Max Limit	B		uA
Min Limit	0.1		uA
LL	0.100	0.100	0.100
Min	3.298	3.330	3.330
Average	3.327	3.383	3.370
Max	3.382	3.412	3.415
UL	8.000	8.000	8.000

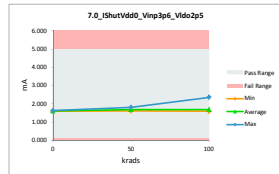


TID ELDERS Sensitivity Report (50k & 100k)
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7.0_IshutVdd0_Vinp3p6_Vldo2p5							
Test Site	Dallas, Tx		Dallas, Tx				
Tester	ETS		ETS				
Test Number	EF636800		EF636800				
Part	m5		m5				
Max Limit	5		5				
Min Limit	0.1		0.1				
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate	
0	374_Corr	1.645	1.594	0.051			
50	A120_Biased_HDR	1.640	1.656	-0.016	-0.037	1.351	
50	A120_Unbiased_HDR	1.607	1.644	-0.037			
50	B48_Biased_HDR	1.563	1.656	-0.093			
50	B49_Unbiased_HDR	1.560	1.660	-0.100			
50	C31_Biased_HDR	1.671	1.656	0.015			
50	A130_Unbiased_HDR	1.569	1.648	-0.079	-0.029	1.172	
50	A131_Unbiased_HDR	1.617	1.646	-0.029			
50	B50_Unbiased_HDR	1.586	1.658	-0.072			
50	B51_Unbiased_HDR	1.622	1.650	-0.028			
50	C53_Unbiased_HDR	1.637	1.610	0.027			
0	V06_Corr	1.651	1.585	0.076			
100	A132_Biased_HDR	1.560	1.681	-0.121	-0.026	1.302	
100	A134_Biased_HDR	1.557	2.257	-0.800			
100	A135_Biased_HDR	1.574	1.656	-0.082			
100	B82_Biased_HDR	1.621	1.650	-0.029			
100	B84_Biased_HDR	1.595	1.671	-0.076			
100	B85_Biased_HDR	1.543	1.664	-0.121			
100	B86_Biased_HDR	1.636	1.663	-0.027			
100	B87_Biased_HDR	1.545	1.701	-0.156			
100	B89_Biased_HDR	1.565	1.698	-0.133			
100	B82_Biased_HDR	1.673	1.681	-0.008			
100	B83_Biased_HDR	1.663	1.671	-0.008			
100	B84_Biased_HDR	1.653	1.663	-0.010			
100	B86_Biased_HDR	1.665	1.666	-0.001			
100	B88_Biased_HDR	1.663	1.698	-0.035			
100	C54_Biased_HDR	1.676	1.674	0.002			
100	C54_Unbiased_HDR	1.625	1.641	-0.016			
100	C55_Biased_HDR	1.665	1.689	-0.024			
100	C57_Biased_HDR	1.657	1.657	0.000			
100	C58_Biased_HDR	1.653	1.830	-0.167			
100	C59_Biased_HDR	1.661	1.675	-0.014			
100	C45_Biased_HDR	1.649	1.675	-0.026			
100	C47_Biased_HDR	1.643	1.649	-0.006			
100	A122_Unbiased_HDR	1.552	1.652	-0.100	0.009	-2.389	
100	A138_Unbiased_HDR	1.525	1.598	-0.073			
100	A139_Unbiased_HDR	1.643	1.639	-0.006			
100	B60_Unbiased_HDR	1.666	1.664	0.002			
100	B63_Unbiased_HDR	1.656	1.640	0.026			
100	B64_Unbiased_HDR	1.666	1.653	0.013			
100	B70_Unbiased_HDR	1.656	1.648	0.008			
100	B71_Unbiased_HDR	1.651	1.638	0.013			
100	B72_Unbiased_HDR	1.659	1.646	0.013			
100	B73_Unbiased_HDR	1.662	1.652	0.010			
100	B74_Unbiased_HDR	1.650	1.634	0.016			
100	B77_Unbiased_HDR	1.644	1.644	0.000			
100	B78_Unbiased_HDR	1.661	1.658	0.003			
100	B79_Unbiased_HDR	1.654	1.640	0.014			
100	B80_Unbiased_HDR	1.657	1.640	0.017			
100	C70_Unbiased_HDR	1.656	1.649	0.007			
100	C71_Unbiased_HDR	1.655	1.622	0.033			
100	C72_Unbiased_HDR	1.667	1.662	0.005			
100	C73_Unbiased_HDR	1.672	1.655	0.017			
100	C75_Unbiased_HDR	1.649	1.624	0.025			
100	C76_Unbiased_HDR	1.655	1.659	-0.004			
100	C79_Unbiased_HDR	1.659	1.673	-0.014			
0	V08_Corr	1.625	1.625	0.000			
50	A92_Biased_LDR	1.681	1.706	-0.025	-0.050		
50	A93_Biased_LDR	1.666	1.684	-0.018			
50	B12_Biased_LDR	1.611	1.707	-0.096			
50	B13_Biased_LDR	1.608	1.809	-0.201			
50	C14_Biased_LDR	1.657	1.707	-0.060			
50	A95_Unbiased_LDR	1.671	1.692	-0.021	-0.034		
50	A96_Unbiased_LDR	1.661	1.695	-0.034			
50	B15_Unbiased_LDR	1.682	1.684	-0.002			
50	B16_Unbiased_LDR	1.683	1.691	-0.008			
50	C15_Unbiased_LDR	1.637	1.695	-0.058			
0	V06_Corr	1.627	1.611	0.016			
100	A97_Biased_LDR	1.689	1.683	0.006	-0.035		
100	A99_Biased_LDR	1.635	1.677	-0.042			
100	A100_Biased_LDR	1.656	1.681	-0.025			
100	A101_Biased_LDR	1.675	1.671	0.004			
100	A102_Biased_LDR	1.681	1.718	-0.037			
100	A104_Biased_LDR	1.575	1.676	-0.101			
100	A108_Biased_LDR	1.657	1.670	-0.013			
100	B17_Biased_LDR	1.609	1.683	-0.074			
100	B18_Biased_LDR	1.628	1.686	-0.058			
100	B19_Biased_LDR	1.574	1.699	-0.125			
100	B20_Biased_LDR	1.684	1.698	-0.014			
100	B21_Biased_LDR	1.662	1.688	-0.026			
100	B24_Biased_LDR	1.622	1.701	-0.079			
100	B25_Biased_LDR	1.645	1.666	-0.021			
100	B26_Biased_LDR	1.574	1.660	-0.086			
100	C16_Biased_LDR	1.642	1.672	-0.030			
100	C17_Biased_LDR	1.661	1.693	-0.032			
100	C18_Biased_LDR	1.643	1.679	-0.036			
100	C19_Biased_LDR	1.658	1.706	-0.048			
100	C25_Biased_LDR	1.662	1.713	-0.051			
100	C26_Biased_LDR	1.668	1.661	-0.003			
100	C31_Biased_LDR	1.655	1.677	-0.022			
100	A107_Unbiased_LDR	1.646	1.675	-0.029	-0.022		
100	A108_Unbiased_LDR	1.683	1.683	-0.013			
100	A109_Unbiased_LDR	1.622	1.637	-0.015			
100	A110_Unbiased_LDR	1.652	1.661	-0.009			
100	A111_Unbiased_LDR	1.670	1.690	-0.020			
100	A112_Unbiased_LDR	1.655	1.694	-0.039			
100	A113_Unbiased_LDR	1.582	1.664	-0.082			
100	B27_Unbiased_LDR	1.659	2.009	-0.350			
100	B29_Unbiased_LDR	1.679	1.704	-0.025			
100	B30_Unbiased_LDR	1.673	1.653	0.020			
100	B31_Unbiased_LDR	1.698	1.598	0.098			
100	B32_Unbiased_LDR	1.663	1.645	0.018			
100	B33_Unbiased_LDR	1.673	1.590	0.083			
100	B34_Unbiased_LDR	1.659	1.678	-0.019			
100	B35_Unbiased_LDR	1.679	1.707	-0.028			
100	C32_Unbiased_LDR	1.631	1.658	-0.027			
100	C33_Unbiased_LDR	1.641	1.646	-0.005			
100	C34_Unbiased_LDR	1.672	1.685	-0.013			
100	C35_Unbiased_LDR	1.634	1.657	-0.023			
100	C36_Unbiased_LDR	1.638	1.665	-0.027			
100	C37_Unbiased_LDR	1.661	1.677	-0.016			
100	C38_Unbiased_LDR	1.656	1.668	-0.012			
	Max	1.689	2.357	0.076			
	Average	1.637	1.678	-0.041			
	Min	1.525	1.585	-0.800			
	Std Dev	0.039	0.079	0.091			

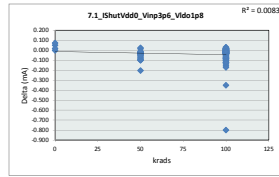


7.0_IshutVdd0_Vinp3p6_Vldo2p5					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	5 mA				
Min Limit	0.1 mA				
LL	0.100	0.100	0.100		
Min	1.585	1.610	1.598		
Average	1.604	1.678	1.681		
Max	1.625	1.809	2.357		
UL	5.000	5.000	5.000		

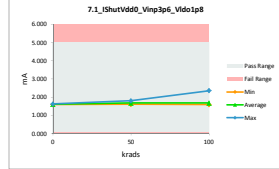


TID ELDERS Sensitivity Report (50k & 100k)
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7.1_IshutVdd0_Vimp3p6_Vdd1p8						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	5					
Min Limit	0.1					
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	1.644	1.594	0.050		
50	A126_Biased_HDR	1.638	1.655	-0.017	-0.037	1.351
50	A126_Unbiased_HDR	1.666	1.643	-0.037		
50	B48_Biased_HDR	1.562	1.654	-0.092		
50	B49_Unbiased_HDR	1.560	1.660	-0.100		
50	C51_Unbiased_HDR	1.671	1.656	0.015		
50	A130_Unbiased_HDR	1.568	1.648	-0.080	-0.031	1.065
50	A133_Unbiased_HDR	1.616	1.647	-0.031		
50	B50_Unbiased_HDR	1.585	1.656	-0.071		
50	B51_Unbiased_HDR	1.620	1.649	-0.029		
50	C53_Unbiased_HDR	1.637	1.610	0.027		
0	106_Corr	1.660	1.585	0.075		
100	A132_Biased_HDR	1.559	1.677	-0.118	-0.027	1.222
100	A134_Biased_HDR	1.556	2.355	-0.799		
100	A135_Biased_HDR	1.572	1.654	-0.082		
100	B82_Biased_HDR	1.620	1.653	-0.033		
100	B84_Biased_HDR	1.594	1.671	-0.077		
100	B85_Biased_HDR	1.542	1.662	-0.120		
100	B86_Biased_HDR	1.635	1.663	-0.028		
100	B87_Biased_HDR	1.544	1.699	-0.155		
100	B89_Biased_HDR	1.564	1.700	-0.136		
100	B82_Unbiased_HDR	1.671	1.682	-0.011		
100	B84_Unbiased_HDR	1.660	1.669	-0.009		
100	B84_Biased_HDR	1.652	1.662	-0.010		
100	B86_Biased_HDR	1.665	1.669	-0.004		
100	B86_Unbiased_HDR	1.664	1.697	-0.033		
100	C54_Biased_HDR	1.676	1.675	0.001		
100	C54_Unbiased_HDR	1.624	1.638	-0.014		
100	C55_Biased_HDR	1.655	1.688	-0.033		
100	C56_Biased_HDR	1.655	1.688	-0.033		
100	C57_Biased_HDR	1.655	1.656	-0.001		
100	C58_Biased_HDR	1.652	1.822	-0.170		
100	C59_Biased_HDR	1.659	1.675	-0.016		
100	C45_Unbiased_HDR	1.649	1.675	-0.026		
100	C67_Biased_HDR	1.642	1.649	-0.007		
100	A122_Unbiased_HDR	1.551	1.652	-0.101	0.009	-2.278
100	A138_Unbiased_HDR	1.524	1.595	-0.071		
100	A139_Unbiased_HDR	1.643	1.639	-0.004		
100	B60_Unbiased_HDR	1.663	1.664	-0.001		
100	B61_Unbiased_HDR	1.657	1.642	0.025		
100	B62_Unbiased_HDR	1.650	1.650	0.013		
100	B70_Unbiased_HDR	1.657	1.649	0.008		
100	B71_Unbiased_HDR	1.650	1.637	0.013		
100	B72_Unbiased_HDR	1.659	1.647	0.012		
100	B73_Unbiased_HDR	1.661	1.651	0.010		
100	B74_Unbiased_HDR	1.649	1.632	0.017		
100	B77_Unbiased_HDR	1.643	1.644	-0.001		
100	B78_Unbiased_HDR	1.661	1.656	0.005		
100	B79_Unbiased_HDR	1.653	1.637	0.016		
100	B80_Unbiased_HDR	1.657	1.638	0.019		
100	C70_Unbiased_HDR	1.656	1.648	0.008		
100	C71_Unbiased_HDR	1.654	1.622	0.032		
100	C72_Unbiased_HDR	1.666	1.662	0.004		
100	C73_Unbiased_HDR	1.671	1.658	0.013		
100	C75_Unbiased_HDR	1.649	1.625	0.024		
100	C76_Unbiased_HDR	1.654	1.657	-0.003		
100	C79_Unbiased_HDR	1.659	1.674	-0.015		
0	158_Corr	1.624	1.624	0.000		
50	A92_Biased_LDR	1.680	1.706	-0.026	-0.050	
50	A93_Biased_LDR	1.645	1.684	-0.039		
50	B12_Biased_LDR	1.611	1.706	-0.095		
50	B13_Biased_LDR	1.607	1.808	-0.201		
50	C14_Biased_LDR	1.656	1.706	-0.050		
50	A95_Unbiased_LDR	1.671	1.692	-0.021	-0.033	
50	B96_Unbiased_LDR	1.661	1.694	-0.033		
50	B15_Unbiased_LDR	1.642	1.684	-0.042		
50	B16_Unbiased_LDR	1.682	1.690	-0.008		
50	C15_Unbiased_LDR	1.636	1.694	-0.058		
0	106_Corr	1.627	1.608	0.019		
100	A99_Biased_LDR	1.689	1.683	0.006	-0.033	
100	A99_Unbiased_LDR	1.634	1.678	-0.044		
100	A100_Biased_LDR	1.656	1.681	-0.025		
100	A101_Biased_LDR	1.674	1.671	0.003		
100	A102_Biased_LDR	1.681	1.717	-0.036		
100	A104_Biased_LDR	1.575	1.675	-0.100		
100	A105_Biased_LDR	1.656	1.671	-0.015		
100	B71_Biased_LDR	1.609	1.682	-0.073		
100	B18_Biased_LDR	1.628	1.686	-0.058		
100	B19_Biased_LDR	1.574	1.699	-0.125		
100	B20_Biased_LDR	1.653	1.698	-0.045		
100	B21_Biased_LDR	1.661	1.689	-0.028		
100	B24_Biased_LDR	1.622	1.703	-0.081		
100	B25_Biased_LDR	1.645	1.668	-0.023		
100	B26_Biased_LDR	1.574	1.662	-0.088		
100	C16_Biased_LDR	1.642	1.673	-0.031		
100	C17_Biased_LDR	1.661	1.693	-0.032		
100	C18_Biased_LDR	1.642	1.675	-0.033		
100	C19_Biased_LDR	1.658	1.703	-0.045		
100	C25_Biased_LDR	1.662	1.709	-0.047		
100	C26_Biased_LDR	1.628	1.661	-0.033		
100	C31_Biased_LDR	1.654	1.677	-0.023		
100	A107_Unbiased_LDR	1.645	1.674	-0.029	-0.021	
100	A108_Unbiased_LDR	1.662	1.678	-0.016		
100	A109_Unbiased_LDR	1.622	1.637	-0.015		
100	A110_Unbiased_LDR	1.652	1.661	-0.009		
100	A111_Unbiased_LDR	1.610	1.689	-0.079		
100	A112_Unbiased_LDR	1.655	1.693	-0.038		
100	A113_Unbiased_LDR	1.581	1.664	-0.083		
100	B27_Unbiased_LDR	1.607	2.006	-0.349		
100	B29_Unbiased_LDR	1.678	1.703	-0.025		
100	B30_Unbiased_LDR	1.673	1.653	0.020		
100	B31_Unbiased_LDR	1.598	1.658	-0.060		
100	B32_Unbiased_LDR	1.663	1.645	0.018		
100	B33_Unbiased_LDR	1.672	1.672	-0.122		
100	B34_Unbiased_LDR	1.660	1.675	-0.015		
100	B35_Unbiased_LDR	1.679	1.706	-0.027		
100	C30_Unbiased_LDR	1.630	1.658	-0.028		
100	C33_Unbiased_LDR	1.641	1.649	-0.008		
100	C34_Unbiased_LDR	1.672	1.682	-0.010		
100	C35_Unbiased_LDR	1.634	1.656	-0.022		
100	C36_Unbiased_LDR	1.637	1.664	-0.027		
100	C37_Unbiased_LDR	1.661	1.676	-0.015		
100	C38_Unbiased_LDR	1.656	1.668	-0.012		
Max		1.689	2.355	0.075		
Average		1.636	1.677	-0.041		
Min		1.524	1.585	-0.799		
Std Dev		0.039	0.079	0.091		

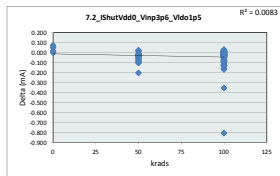


7.1_IshutVdd0_Vimp3p6_Vdd1p8					
Test Site	Dallas, Tx				
Tester	ETS				
Test Number	EF636800				
Max Limit	5 mA				
Min Limit	0.1 mA				
Krads	LL	50	100		
LL	0.100	0.100	0.100		
Min	1.585	1.610	1.595		
Average	1.603	1.677	1.680		
Max	1.624	1.808	2.355		
UL	5.000	5.000	5.000		

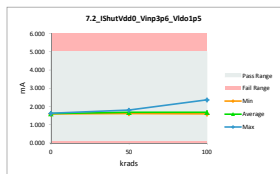


TID ELDERS Sensitivity Report (50k & 100k)
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7.2_IshutVdd0_Vimp3pe_Vldo1p5						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	mS		mS			
Max Limit	5		5			
Min Limit	0.1		0.1			
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	1.644	1.593	0.051		
50	A120_Biased_HDR	1.639	1.654	-0.015	-0.038	1.316
50	A120_Unbiased_HDR	1.607	1.645	-0.038		
50	B48_Biased_HDR	1.562	1.653	-0.091		
50	B49_Unbiased_HDR	1.559	1.661	-0.102		
50	C31_Biased_HDR	1.671	1.655	0.016		
50	A130_Unbiased_HDR	1.568	1.647	-0.079	-0.029	1.172
50	A131_Unbiased_HDR	1.617	1.645	-0.028		
50	B50_Unbiased_HDR	1.586	1.657	-0.071		
50	B51_Unbiased_HDR	1.621	1.650	-0.029		
50	C53_Unbiased_HDR	1.637	1.611	0.026		
0	V06_Corr	1.650	1.586	0.074		
100	A132_Biased_HDR	1.559	1.679	-0.120	-0.027	1.259
100	A134_Unbiased_HDR	1.557	2.258	-0.801		
100	A135_Biased_HDR	1.573	1.656	-0.083		
100	B82_Biased_HDR	1.620	1.651	-0.031		
100	B84_Unbiased_HDR	1.595	1.671	-0.076		
100	B85_Biased_HDR	1.542	1.664	-0.122		
100	B86_Biased_HDR	1.635	1.663	-0.028		
100	B87_Biased_HDR	1.544	1.701	-0.157		
100	B89_Biased_HDR	1.564	1.698	-0.134		
100	B82_Unbiased_HDR	1.671	1.682	-0.011		
100	B83_Unbiased_HDR	1.602	1.672	-0.070		
100	B84_Unbiased_HDR	1.652	1.660	-0.008		
100	B86_Unbiased_HDR	1.665	1.667	-0.002		
100	B86_Biased_HDR	1.663	1.695	-0.032		
100	C54_Biased_HDR	1.675	1.676	-0.001		
100	C54_Unbiased_HDR	1.624	1.641	-0.017		
100	C55_Biased_HDR	1.655	1.687	-0.032		
100	C57_Biased_HDR	1.656	1.656	0.000		
100	C58_Biased_HDR	1.653	1.830	-0.167		
100	C59_Biased_HDR	1.660	1.676	-0.016		
100	C45_Unbiased_HDR	1.649	1.675	-0.026		
100	C47_Biased_HDR	1.641	1.648	-0.007		
100	A122_Unbiased_HDR	1.551	1.651	-0.100	0.009	-2.176
100	A138_Unbiased_HDR	1.525	1.595	-0.070		
100	A139_Unbiased_HDR	1.543	1.639	-0.096		
100	B60_Unbiased_HDR	1.665	1.664	0.001		
100	B63_Unbiased_HDR	1.656	1.642	0.024		
100	B64_Unbiased_HDR	1.665	1.651	0.014		
100	B70_Unbiased_HDR	1.656	1.648	0.008		
100	B71_Unbiased_HDR	1.649	1.635	0.013		
100	B72_Unbiased_HDR	1.658	1.644	0.014		
100	B73_Unbiased_HDR	1.661	1.652	0.009		
100	B74_Unbiased_HDR	1.649	1.631	0.018		
100	B77_Unbiased_HDR	1.643	1.643	0.000		
100	B78_Unbiased_HDR	1.660	1.656	0.004		
100	B79_Unbiased_HDR	1.653	1.639	0.014		
100	B80_Unbiased_HDR	1.656	1.640	0.016		
100	C70_Unbiased_HDR	1.655	1.650	0.005		
100	C71_Unbiased_HDR	1.654	1.622	0.032		
100	C72_Unbiased_HDR	1.666	1.662	0.004		
100	C73_Unbiased_HDR	1.671	1.658	0.013		
100	C75_Unbiased_HDR	1.648	1.624	0.024		
100	C76_Unbiased_HDR	1.654	1.656	-0.002		
100	C79_Unbiased_HDR	1.658	1.672	-0.014		
0	V18_Corr	1.624	1.624	0.000		
50	A92_Biased_LDR	1.679	1.706	-0.027	-0.050	
50	A93_Biased_LDR	1.665	1.684	-0.019		
50	B12_Biased_LDR	1.611	1.706	-0.095		
50	B13_Biased_LDR	1.608	1.808	-0.200		
50	C14_Biased_LDR	1.656	1.706	-0.050		
50	A95_Unbiased_LDR	1.670	1.692	-0.022	-0.034	
50	A96_Unbiased_LDR	1.660	1.694	-0.034		
50	B15_Unbiased_LDR	1.642	1.684	-0.042		
50	B16_Unbiased_LDR	1.682	1.690	-0.008		
50	C15_Unbiased_LDR	1.638	1.694	-0.056		
0	V06_Corr	1.627	1.608	0.019		
100	A97_Biased_LDR	1.690	1.681	0.009	-0.034	
100	A99_Biased_LDR	1.634	1.678	-0.044		
100	A100_Biased_LDR	1.655	1.680	-0.025		
100	A101_Biased_LDR	1.675	1.670	0.005		
100	A102_Biased_LDR	1.680	1.717	-0.037		
100	A104_Biased_LDR	1.575	1.675	-0.100		
100	A105_Biased_LDR	1.656	1.669	-0.013		
100	B17_Biased_LDR	1.609	1.681	-0.072		
100	B18_Biased_LDR	1.628	1.687	-0.059		
100	B19_Biased_LDR	1.574	1.699	-0.125		
100	B20_Biased_LDR	1.683	1.699	-0.016		
100	B21_Biased_LDR	1.662	1.691	-0.029		
100	B24_Biased_LDR	1.622	1.700	-0.078		
100	B25_Biased_LDR	1.645	1.666	-0.021		
100	B26_Biased_LDR	1.574	1.659	-0.085		
100	C16_Biased_LDR	1.642	1.613	0.031		
100	C17_Biased_LDR	1.661	1.691	-0.030		
100	C18_Biased_LDR	1.642	1.678	-0.036		
100	C19_Biased_LDR	1.657	1.706	-0.049		
100	C25_Biased_LDR	1.662	1.708	-0.046		
100	C26_Biased_LDR	1.668	1.660	0.008		
100	C31_Biased_LDR	1.654	1.677	-0.023		
100	A107_Unbiased_LDR	1.645	1.674	-0.029	-0.019	
100	A108_Unbiased_LDR	1.643	1.616	0.027		
100	A109_Unbiased_LDR	1.622	1.639	-0.017		
100	A110_Unbiased_LDR	1.652	1.661	-0.009		
100	A111_Unbiased_LDR	1.669	1.686	-0.017		
100	A112_Unbiased_LDR	1.656	1.690	-0.034		
100	A113_Unbiased_LDR	1.582	1.664	-0.082		
100	B27_Unbiased_LDR	1.658	2.009	-0.351		
100	B29_Unbiased_LDR	1.678	1.704	-0.026		
100	B30_Unbiased_LDR	1.673	1.656	0.017		
100	B31_Unbiased_LDR	1.699	1.699	0.000		
100	B32_Unbiased_LDR	1.663	1.645	0.018		
100	B33_Unbiased_LDR	1.549	1.675	-0.126		
100	B34_Unbiased_LDR	1.659	1.676	-0.017		
100	B35_Unbiased_LDR	1.678	1.707	-0.029		
100	C32_Unbiased_LDR	1.630	1.658	-0.028		
100	C33_Unbiased_LDR	1.641	1.648	-0.007		
100	C34_Unbiased_LDR	1.671	1.684	-0.013		
100	C35_Unbiased_LDR	1.634	1.654	-0.020		
100	C36_Unbiased_LDR	1.636	1.667	-0.031		
100	C37_Unbiased_LDR	1.661	1.675	-0.014		
100	C38_Unbiased_LDR	1.655	1.668	-0.013		
0	Max	1.690	2.358	0.074		
0	Average	1.636	1.677	-0.041		
0	Min	1.525	1.586	-0.801		
0	Std Dev	0.038	0.079	0.091		

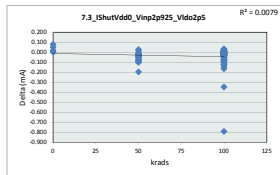


7.2_IshutVdd0_Vimp3pe_Vldo1p5						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	5 mA					
Min Limit	0.1 mA					
LL	0.100	0.100	0.100			
Min	1.586	1.611	1.595			
Average	1.603	1.677	1.680			
Max	1.624	1.808	2.358			
UL	5.000	5.000	5.000			

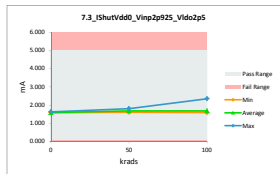


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TPS7H3301-SP

7.3_I_ShutVdd0_Vinp2p25_Vldo2p						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Unit	mA					
Max Limit	5					
Min Limit	0.1					
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	1.636	1.588	0.048		
50	A126_Biased_HDR	1.632	1.646	-0.014	-0.039	1.282
50	A126_Unbiased_HDR	1.599	1.638	-0.039		
50	B48_Biased_HDR	1.556	1.649	-0.093		
50	B49_Unbiased_HDR	1.552	1.654	-0.102		
50	C51_Biased_HDR	1.663	1.650	0.013		
50	A130_Unbiased_HDR	1.562	1.641	-0.079	-0.031	1.097
50	A133_Unbiased_HDR	1.610	1.641	-0.031		
50	B50_Unbiased_HDR	1.578	1.650	-0.072		
50	B51_Unbiased_HDR	1.613	1.643	-0.030		
50	C53_Unbiased_HDR	1.630	1.604	0.026		
0	I06_Corr	1.653	1.577	0.076		
100	A132_Biased_HDR	1.552	1.672	-0.120	-0.025	1.373
100	A134_Biased_HDR	1.550	2.343	-0.793		
100	A135_Biased_HDR	1.567	1.646	-0.079		
100	B82_Biased_HDR	1.613	1.644	-0.031		
100	B84_Biased_HDR	1.587	1.663	-0.076		
100	B85_Biased_HDR	1.536	1.656	-0.120		
100	B86_Biased_HDR	1.628	1.654	-0.026		
100	B87_Biased_HDR	1.537	1.694	-0.157		
100	B89_Biased_HDR	1.557	1.692	-0.135		
100	B82_Unbiased_HDR	1.664	1.674	-0.010		
100	B84_Unbiased_HDR	1.654	1.663	-0.009		
100	B84_Biased_HDR	1.645	1.654	-0.009		
100	B86_Biased_HDR	1.658	1.659	-0.001		
100	B86_Unbiased_HDR	1.657	1.690	-0.033		
100	C54_Biased_HDR	1.668	1.666	0.002		
100	C55_Biased_HDR	1.618	1.633	-0.015		
100	C56_Biased_HDR	1.658	1.679	-0.021		
100	C57_Biased_HDR	1.648	1.650	-0.002		
100	C58_Biased_HDR	1.645	1.812	-0.167		
100	C59_Biased_HDR	1.652	1.668	-0.016		
100	C45_Unbiased_HDR	1.641	1.666	-0.025		
100	C47_Unbiased_HDR	1.635	1.641	-0.006		
100	A122_Unbiased_HDR	1.544	1.644	-0.100	0.010	-2.053
100	A138_Unbiased_HDR	1.577	1.589	-0.012		
100	A139_Unbiased_HDR	1.535	1.633	-0.098		
100	B60_Unbiased_HDR	1.657	1.657	0.000		
100	B61_Unbiased_HDR	1.649	1.623	0.026		
100	B62_Unbiased_HDR	1.657	1.645	0.012		
100	B70_Unbiased_HDR	1.649	1.639	0.010		
100	B71_Unbiased_HDR	1.643	1.630	0.013		
100	B72_Unbiased_HDR	1.650	1.639	0.011		
100	B73_Unbiased_HDR	1.654	1.645	0.009		
100	B74_Unbiased_HDR	1.642	1.625	0.017		
100	B77_Unbiased_HDR	1.636	1.636	0.000		
100	B78_Unbiased_HDR	1.653	1.651	0.002		
100	B79_Unbiased_HDR	1.645	1.632	0.013		
100	B80_Unbiased_HDR	1.649	1.634	0.015		
100	C70_Unbiased_HDR	1.649	1.641	0.008		
100	C71_Unbiased_HDR	1.646	1.614	0.032		
100	C72_Unbiased_HDR	1.660	1.653	0.007		
100	C73_Unbiased_HDR	1.644	1.649	-0.005		
100	C75_Unbiased_HDR	1.642	1.617	0.025		
100	C76_Unbiased_HDR	1.647	1.650	-0.003		
100	C79_Unbiased_HDR	1.652	1.666	-0.014		
0	I08_Corr	1.617	1.617	0.000		
50	A92_Biased_LDR	1.673	1.699	-0.026	-0.050	
50	A93_Biased_LDR	1.658	1.676	-0.018		
50	B12_Biased_LDR	1.604	1.698	-0.094		
50	B13_Biased_LDR	1.601	1.800	-0.199		
50	C14_Biased_LDR	1.649	1.699	-0.050		
50	A95_Unbiased_LDR	1.665	1.685	-0.020	-0.034	
50	B96_Unbiased_LDR	1.653	1.687	-0.034		
50	B95_Unbiased_LDR	1.635	1.677	-0.042		
50	B16_Unbiased_LDR	1.675	1.684	-0.009		
50	C15_Unbiased_LDR	1.629	1.686	-0.057		
0	I06_Corr	1.620	1.602	0.018		
100	A99_Biased_LDR	1.682	1.675	0.007	-0.035	
100	A99_Unbiased_LDR	1.628	1.671	-0.043		
100	A100_Biased_LDR	1.648	1.673	-0.025		
100	A101_Biased_LDR	1.667	1.666	0.001		
100	A102_Biased_LDR	1.674	1.710	-0.036		
100	A104_Biased_LDR	1.569	1.668	-0.099		
100	A105_Biased_LDR	1.650	1.663	-0.013		
100	B71_Unbiased_LDR	1.602	1.672	-0.070		
100	B18_Biased_LDR	1.622	1.678	-0.056		
100	B19_Biased_LDR	1.568	1.692	-0.124		
100	B20_Biased_LDR	1.676	1.689	-0.013		
100	B21_Biased_LDR	1.655	1.684	-0.029		
100	B24_Biased_LDR	1.616	1.691	-0.075		
100	B25_Biased_LDR	1.639	1.661	-0.022		
100	B26_Biased_LDR	1.567	1.652	-0.085		
100	C16_Biased_LDR	1.635	1.664	-0.029		
100	C17_Biased_LDR	1.654	1.685	-0.031		
100	C18_Biased_LDR	1.634	1.670	-0.036		
100	C19_Biased_LDR	1.650	1.696	-0.046		
100	C25_Biased_LDR	1.655	1.701	-0.046		
100	C26_Biased_LDR	1.640	1.654	-0.014		
100	C31_Biased_LDR	1.647	1.670	-0.023		
100	A107_Unbiased_LDR	1.638	1.667	-0.029	-0.020	
100	A108_Unbiased_LDR	1.685	1.688	-0.003		
100	A109_Unbiased_LDR	1.615	1.632	-0.017		
100	A110_Unbiased_LDR	1.645	1.651	-0.006		
100	A111_Unbiased_LDR	1.662	1.680	-0.018		
100	A112_Unbiased_LDR	1.648	1.685	-0.037		
100	A113_Unbiased_LDR	1.575	1.656	-0.081		
100	B27_Unbiased_LDR	1.660	1.997	-0.347		
100	B29_Unbiased_LDR	1.671	1.695	-0.024		
100	B30_Unbiased_LDR	1.665	1.647	0.018		
100	B31_Unbiased_LDR	1.592	1.652	-0.060		
100	B32_Unbiased_LDR	1.656	1.638	0.018		
100	B33_Unbiased_LDR	1.543	1.665	-0.122		
100	B34_Unbiased_LDR	1.652	1.671	-0.019		
100	B35_Unbiased_LDR	1.671	1.699	-0.028		
100	C30_Unbiased_LDR	1.624	1.652	-0.028		
100	C33_Unbiased_LDR	1.634	1.639	-0.005		
100	C34_Unbiased_LDR	1.664	1.676	-0.012		
100	C35_Unbiased_LDR	1.627	1.647	-0.020		
100	C36_Unbiased_LDR	1.630	1.658	-0.028		
100	C37_Unbiased_LDR	1.654	1.668	-0.014		
100	C38_Unbiased_LDR	1.648	1.659	-0.011		
	Max	1.682	2.343	0.076		
	Average	1.629	1.670	-0.041		
	Min	1.517	1.577	-0.793		
	Std Dev	0.038	0.078	0.090		



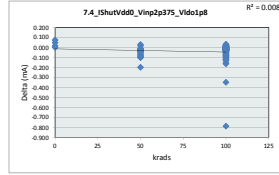
7.3_I_ShutVdd0_Vinp2p25_V				
Test Site	Dallas, Tx			
Tester	ETS			
Test Number	EF636800			
Max Limit	5 mA			
Min Limit	0.1 mA			
LL	0	50	100	
Min	1.577	1.604	1.589	
Average	1.596	1.670	1.673	
Max	1.617	1.800	2.343	
UL	5.000	5.000	5.000	



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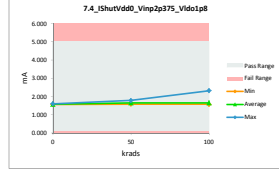
7.4_I_ShuVdd0_Vinp2p375_Vld01

Test Site	Dallas, Tx	Dallas, Tx			
Tester	ETS	ETS			
Test Number	EF636800	EF636800			
Part	ms	ms			
Max Limit	5	5			
Min Limit	0.1	0.1			
	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	1.626	1.577	0.049		
50	1.621	1.636	-0.015	-0.038	1.263
50	1.590	1.628	-0.038		
50	1.545	1.636	-0.091		
50	1.542	1.643	-0.101		
50	1.653	1.637	0.016		
50	1.551	1.631	-0.080	-0.031	1.065
50	1.599	1.629	-0.030		
50	1.568	1.638	-0.070		
50	1.603	1.634	-0.031		
50	1.592	1.592	0.028		
0	1.642	1.569	0.073		
100	1.542	1.661	-0.119	-0.026	1.226
100	1.540	2.236	-0.786		
100	1.556	1.638	-0.082		
100	1.603	1.633	-0.030		
100	1.577	1.654	-0.077		
100	1.526	1.647	-0.121		
100	1.617	1.643	-0.026		
100	1.577	1.683	-0.156		
100	1.546	1.678	-0.132		
100	1.653	1.665	-0.012		
100	1.643	1.653	-0.010		
100	1.633	1.644	-0.011		
100	1.647	1.648	-0.001		
100	1.644	1.676	-0.032		
100	1.657	1.657	0.000		
100	1.607	1.623	-0.016		
100	1.646	1.669	-0.023		
100	1.637	1.640	-0.003		
100	1.634	1.797	-0.163		
100	1.641	1.656	-0.015		
100	1.630	1.657	-0.027		
100	1.674	1.631	-0.007		
100	1.534	1.634	-0.100	0.010	-2.053
100	1.508	1.579	-0.071		
100	1.527	1.527	-0.094		
100	1.647	1.647	0.000		
100	1.637	1.611	0.026		
100	1.647	1.633	0.014		
100	1.637	1.629	0.008		
100	1.632	1.618	0.014		
100	1.641	1.628	0.013		
100	1.643	1.632	0.011		
100	1.632	1.614	0.018		
100	1.626	1.626	0.000		
100	1.642	1.639	0.003		
100	1.634	1.622	0.012		
100	1.639	1.621	0.018		
100	1.637	1.631	0.006		
100	1.636	1.602	0.034		
100	1.648	1.644	0.004		
100	1.652	1.639	0.013		
100	1.631	1.608	0.023		
100	1.637	1.639	-0.002		
100	1.641	1.655	-0.014		
0	1.607	1.607	0.000		
50	1.661	1.688	-0.027	-0.048	
50	1.648	1.667	-0.019		
50	1.594	1.687	-0.093		
50	1.591	1.789	-0.198		
50	1.639	1.687	-0.048		
50	1.654	1.674	-0.020	-0.033	
50	1.643	1.676	-0.033		
50	1.626	1.665	-0.039		
50	1.664	1.673	-0.009		
50	1.610	1.635	-0.024		
0	1.610	1.593	0.017		
100	1.673	1.663	0.010	-0.032	
100	1.617	1.658	-0.041		
100	1.639	1.665	-0.026		
100	1.657	1.654	0.003		
100	1.663	1.700	-0.037		
100	1.559	1.656	-0.097		
100	1.639	1.655	-0.016		
100	1.593	1.662	-0.069		
100	1.612	1.667	-0.055		
100	1.558	1.682	-0.124		
100	1.665	1.681	-0.016		
100	1.645	1.670	-0.025		
100	1.606	1.680	-0.074		
100	1.628	1.649	-0.021		
100	1.557	1.645	-0.088		
100	1.625	1.657	-0.032		
100	1.644	1.673	-0.029		
100	1.625	1.657	-0.032		
100	1.640	1.686	-0.046		
100	1.644	1.692	-0.048		
100	1.610	1.643	-0.033		
100	1.637	1.660	-0.023		
100	1.628	1.654	-0.026	-0.019	
100	1.645	1.661	-0.016		
100	1.605	1.621	-0.016		
100	1.635	1.644	-0.009		
100	1.653	1.670	-0.017		
100	1.639	1.674	-0.035		
100	1.566	1.649	-0.083		
100	1.640	1.917	-0.347		
100	1.661	1.683	-0.022		
100	1.655	1.637	0.018		
100	1.583	1.640	-0.057		
100	1.645	1.627	0.018		
100	1.533	1.685	-0.122		
100	1.643	1.660	-0.017		
100	1.660	1.686	-0.026		
100	1.614	1.640	-0.026		
100	1.624	1.631	-0.007		
100	1.654	1.667	-0.013		
100	1.617	1.639	-0.022		
100	1.621	1.647	-0.026		
100	1.644	1.658	-0.014		
100	1.638	1.650	-0.012		
	Max		2.326	0.073	
	Average		1.619	-0.040	
	Min		1.508	-0.786	
	Std Dev		0.038	0.078	0.090



7.4_I_ShuVdd0_Vinp2p375_Vld01p8

Test Site	Dallas, Tx	Dallas, Tx			
Tester	ETS	ETS			
Test Number	EF636800	EF636800			
Part	ms	ms			
Max Limit	5	5			
Min Limit	0.1	0.1			
	0	50	100		
LL	0.100	0.100	0.100		
Min	1.569	1.592	1.579		
Average	1.587	1.659	1.662		
Max	1.607	1.789	2.326		
UL	5.000	5.000	5.000		

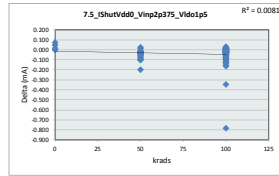


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

7.5_I_ShutVdd0_Vinp2p375_Vld01

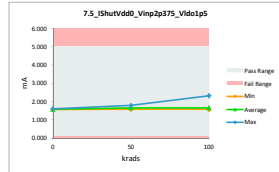
Test Site	Dallas, Tx
Tester	ETS
Test Number	EF636800
Part	mA
Max Limit	5
Min Limit	0.1

Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	1.627	1.579	0.048		
50	A126_Biased_HDR	1.622	1.639	-0.017	-0.038	1.289
50	A126_Unbiased_HDR	1.590	1.628	-0.038		
50	B48_Biased_HDR	1.546	1.638	-0.092		
50	B49_Biased_HDR	1.542	1.643	-0.101		
50	C51_Biased_HDR	1.653	1.639	0.014		
50	A130_Unbiased_HDR	1.552	1.630	-0.078	-0.030	1.100
50	A133_Unbiased_HDR	1.600	1.630	-0.030		
50	B50_Unbiased_HDR	1.568	1.639	-0.071		
50	B51_Unbiased_HDR	1.604	1.632	-0.028		
50	C53_Unbiased_HDR	1.620	1.593	0.027		
0	106_Corr	1.643	1.569	0.074		
100	A132_Biased_HDR	1.543	1.660	-0.117	-0.026	1.226
100	A134_Biased_HDR	1.541	2.325	-0.784		
100	A135_Biased_HDR	1.557	1.637	-0.080		
100	B82_Biased_HDR	1.603	1.634	-0.031		
100	B84_Biased_HDR	1.578	1.654	-0.076		
100	B85_Biased_HDR	1.527	1.646	-0.119		
100	B86_Biased_HDR	1.617	1.643	-0.026		
100	B87_Biased_HDR	1.528	1.682	-0.154		
100	B89_Biased_HDR	1.547	1.682	-0.135		
100	B82_Unbiased_HDR	1.654	1.666	-0.012		
100	B84_Unbiased_HDR	1.644	1.653	-0.009		
100	B84_Biased_HDR	1.634	1.643	-0.009		
100	B86_Biased_HDR	1.647	1.650	-0.003		
100	B86_Unbiased_HDR	1.646	1.679	-0.033		
100	C54_Biased_HDR	1.657	1.659	-0.002		
100	C55_Biased_HDR	1.688	1.683	-0.015		
100	C56_Biased_HDR	1.647	1.671	-0.024		
100	C57_Biased_HDR	1.639	1.640	-0.001		
100	C58_Biased_HDR	1.635	1.797	-0.162		
100	C59_Biased_HDR	1.642	1.658	-0.016		
100	C45_Unbiased_HDR	1.631	1.658	-0.027		
100	C47_Unbiased_HDR	1.624	1.633	-0.009		
100	A122_Unbiased_HDR	1.535	1.635	-0.100	0.009	-2.056
100	A138_Unbiased_HDR	1.509	1.579	-0.070		
100	A139_Unbiased_HDR	1.526	1.621	-0.095		
100	B60_Unbiased_HDR	1.648	1.648	0.000		
100	B61_Unbiased_HDR	1.638	1.614	0.024		
100	B62_Unbiased_HDR	1.648	1.635	0.013		
100	B70_Unbiased_HDR	1.638	1.631	0.007		
100	B71_Unbiased_HDR	1.632	1.618	0.014		
100	B72_Unbiased_HDR	1.641	1.629	0.012		
100	B73_Unbiased_HDR	1.644	1.634	0.010		
100	B74_Unbiased_HDR	1.633	1.613	0.020		
100	B77_Unbiased_HDR	1.626	1.625	0.001		
100	B78_Unbiased_HDR	1.643	1.639	0.004		
100	B79_Unbiased_HDR	1.635	1.621	0.014		
100	B80_Unbiased_HDR	1.638	1.622	0.016		
100	C70_Unbiased_HDR	1.638	1.630	0.008		
100	C71_Unbiased_HDR	1.637	1.604	0.033		
100	C72_Unbiased_HDR	1.648	1.645	0.003		
100	C73_Unbiased_HDR	1.653	1.641	0.012		
100	C75_Unbiased_HDR	1.631	1.608	0.023		
100	C76_Unbiased_HDR	1.637	1.638	-0.001		
100	C79_Unbiased_HDR	1.641	1.656	-0.015		
0	108_Corr	1.608	1.608	0.000		
50	A92_Biased_LDR	1.664	1.688	-0.024	-0.049	
50	A93_Biased_LDR	1.648	1.667	-0.019		
50	B12_Biased_LDR	1.594	1.688	-0.094		
50	B13_Biased_LDR	1.592	1.790	-0.198		
50	C14_Biased_LDR	1.640	1.689	-0.049		
50	A95_Unbiased_LDR	1.655	1.674	-0.019	-0.033	
50	B96_Unbiased_LDR	1.644	1.677	-0.033		
50	B95_Unbiased_LDR	1.627	1.640	-0.013		
50	B16_Unbiased_LDR	1.666	1.673	-0.007		
50	C15_Unbiased_LDR	1.619	1.616	0.003		
0	109_Corr	1.609	1.591	0.018		
100	A99_Biased_LDR	1.673	1.664	0.009	-0.032	
100	A99_Unbiased_LDR	1.618	1.659	-0.041		
100	A100_Biased_LDR	1.639	1.666	-0.027		
100	A101_Biased_LDR	1.658	1.656	0.002		
100	A102_Biased_LDR	1.665	1.703	-0.038		
100	A104_Biased_LDR	1.561	1.655	-0.094		
100	A105_Biased_LDR	1.641	1.656	-0.015		
100	B71_Unbiased_LDR	1.593	1.662	-0.069		
100	B18_Biased_LDR	1.613	1.668	-0.055		
100	B19_Biased_LDR	1.599	1.679	-0.140		
100	B20_Biased_LDR	1.665	1.678	-0.013		
100	B21_Biased_LDR	1.645	1.672	-0.027		
100	B24_Biased_LDR	1.608	1.683	-0.075		
100	B25_Biased_LDR	1.629	1.650	-0.021		
100	B26_Biased_LDR	1.558	1.645	-0.087		
100	C16_Biased_LDR	1.626	1.658	-0.032		
100	C17_Biased_LDR	1.644	1.676	-0.032		
100	C18_Biased_LDR	1.625	1.658	-0.033		
100	C19_Biased_LDR	1.640	1.688	-0.048		
100	C25_Biased_LDR	1.645	1.692	-0.047		
100	C26_Biased_LDR	1.611	1.642	-0.031		
100	C31_Biased_LDR	1.638	1.663	-0.025		
100	A107_Unbiased_LDR	1.630	1.657	-0.027	-0.018	
100	A108_Unbiased_LDR	1.646	1.659	-0.013		
100	A109_Unbiased_LDR	1.606	1.622	-0.016		
100	A110_Unbiased_LDR	1.636	1.643	-0.007		
100	A111_Unbiased_LDR	1.653	1.671	-0.018		
100	A112_Unbiased_LDR	1.640	1.674	-0.034		
100	A113_Unbiased_LDR	1.568	1.647	-0.079		
100	B27_Unbiased_LDR	1.641	1.987	-0.346		
100	B29_Unbiased_LDR	1.661	1.685	-0.024		
100	B30_Unbiased_LDR	1.657	1.637	0.020		
100	B31_Unbiased_LDR	1.583	1.641	-0.058		
100	B32_Unbiased_LDR	1.646	1.627	0.019		
100	B33_Unbiased_LDR	1.534	1.657	-0.123		
100	B34_Unbiased_LDR	1.643	1.661	-0.018		
100	B35_Unbiased_LDR	1.661	1.688	-0.027		
100	C30_Unbiased_LDR	1.614	1.642	-0.028		
100	C33_Unbiased_LDR	1.625	1.630	-0.005		
100	C34_Unbiased_LDR	1.655	1.668	-0.013		
100	C35_Unbiased_LDR	1.618	1.637	-0.019		
100	C36_Unbiased_LDR	1.621	1.648	-0.027		
100	C37_Unbiased_LDR	1.644	1.659	-0.015		
100	C38_Unbiased_LDR	1.639	1.651	-0.012		
0	Max	1.673	2.325	0.074		
0	Average	1.619	1.660	-0.040		
0	Min	1.509	1.569	-0.784		
0	Std Dev	0.038	0.078	0.089		



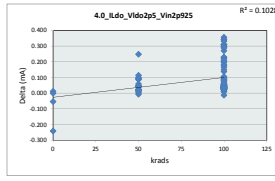
Test Site	Dallas, Tx
Tester	ETS
Test Number	EF636800
Part	mA
Max Limit	5
Min Limit	0.1

LL	0.100	0.100	0.100
Min	1.569	1.593	1.579
Average	1.587	1.660	1.663
Max	1.608	1.790	2.325
UL	5.000	5.000	5.000

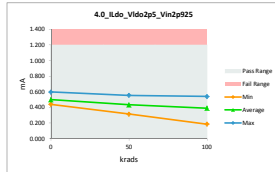


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

4.0_ILdo_Vldo2p5_Vin2p925							
Test Site	Dallas, Tx		Dallas, Tx				
Tester	ETS		ETS				
Test Number	EF636800		EF636800				
Part	m8		m8				
Max Limit	1.2		1.2				
Min Limit	0		0				
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio	
0	374_Corr	0.357	0.598	-0.241			
50	A120_Biased_HDR	0.517	0.496	0.021	0.042	1.024	
50	A120_Unbiased_HDR	0.527	0.480	0.047			
50	B48_Biased_HDR	0.469	0.427	0.042			
50	B49_Unbiased_HDR	0.431	0.389	0.042			
50	C51_Biased_HDR	0.452	0.437	0.015			
50	A130_Unbiased_HDR	0.481	0.390	0.091	0.087	0.149	
50	A131_Unbiased_HDR	0.612	0.554	0.058			
50	B50_Unbiased_HDR	0.591	0.545	0.046			
50	B51_Unbiased_HDR	0.536	0.449	0.087			
50	C53_Unbiased_HDR	0.428	0.315	0.113			
0	106_Corr	0.452	0.011				
100	A132_Biased_HDR	0.518	0.423	0.095	0.047	0.979	
100	A134_Biased_HDR	0.536	0.397	0.139			
100	A135_Biased_HDR	0.519	0.219	0.300			
100	B62_Biased_HDR	0.550	0.494	0.056			
100	B64_Biased_HDR	0.523	0.437	0.086			
100	B55_Biased_HDR	0.620	0.264	0.356			
100	B56_Biased_HDR	0.503	0.196	0.307			
100	B57_Biased_HDR	0.576	0.489	0.087			
100	B59_Biased_HDR	0.543	0.445	0.098			
100	B62_Biased_HDR	0.544	0.501	0.043			
100	B63_Biased_HDR	0.460	0.425	0.035			
100	B64_Biased_HDR	0.478	0.442	0.036			
100	B66_Biased_HDR	0.490	0.450	0.040			
100	B68_Biased_HDR	0.466	0.440	0.026			
100	C54_Biased_HDR	0.425	0.394	0.031			
100	C55_Biased_HDR	0.509	0.467	0.042			
100	C56_Biased_HDR	0.461	0.413	0.048			
100	C57_Biased_HDR	0.413	0.386	0.027			
100	C58_Biased_HDR	0.504	0.451	0.053			
100	C59_Biased_HDR	0.490	0.448	0.042			
100	C65_Biased_HDR	0.527	0.518	0.009			
100	C67_Biased_HDR	0.407	0.396	0.011			
100	A122_Unbiased_HDR	0.487	0.409	0.078	0.076	0.428	
100	A136_Unbiased_HDR	0.653	0.310	0.343			
100	A139_Unbiased_HDR	0.506	0.401	0.105			
100	B60_Unbiased_HDR	0.461	0.475	-0.014			
100	B63_Unbiased_HDR	0.542	0.484	0.058			
100	B65_Unbiased_HDR	0.461	0.427	0.034			
100	B70_Unbiased_HDR	0.542	0.233	0.309			
100	B71_Unbiased_HDR	0.553	0.211	0.342			
100	B72_Unbiased_HDR	0.530	0.229	0.301			
100	B73_Unbiased_HDR	0.464	0.432	0.032			
100	B74_Unbiased_HDR	0.568	0.297	0.271			
100	B77_Unbiased_HDR	0.607	0.318	0.289			
100	B78_Unbiased_HDR	0.474	0.422	0.052			
100	B79_Unbiased_HDR	0.497	0.185	0.312			
100	B80_Unbiased_HDR	0.510	0.218	0.292			
100	C70_Unbiased_HDR	0.510	0.463	0.047			
100	C71_Unbiased_HDR	0.517	0.185	0.332			
100	C72_Unbiased_HDR	0.489	0.415	0.074			
100	C73_Unbiased_HDR	0.437	0.396	0.041			
100	C75_Unbiased_HDR	0.516	0.454	0.062			
100	C76_Unbiased_HDR	0.435	0.389	0.046			
100	C79_Unbiased_HDR	0.404	0.359	0.045			
0	158_Corr	0.440	0.000				
50	A92_Biased_LDR	0.504	0.481	0.023	0.043		
50	A93_Biased_LDR	0.572	0.479	0.093			
50	B12_Biased_LDR	0.532	0.489	0.043			
50	B13_Biased_LDR	0.612	0.363	0.249			
50	C14_Biased_LDR	0.424	0.401	0.023			
50	A95_Unbiased_LDR	0.377	0.364	0.013	0.013		
50	A96_Unbiased_LDR	0.474	0.480	-0.006			
50	B15_Unbiased_LDR	0.451	0.331	0.100			
50	B16_Unbiased_LDR	0.415	0.411	0.004			
50	C15_Unbiased_LDR	0.432	0.396	0.036			
0	106_Corr	0.452	0.505	0.053			
100	A97_Biased_LDR	0.371	0.345	0.026	0.046		
100	A99_Biased_LDR	0.539	0.342	0.197			
100	A100_Biased_LDR	0.424	0.390	0.034			
100	A101_Biased_LDR	0.461	0.294	0.167			
100	A102_Biased_LDR	0.470	0.287	0.183			
100	A104_Biased_LDR	0.603	0.521	0.082			
100	A105_Biased_LDR	0.418	0.388	0.030			
100	B17_Biased_LDR	0.553	0.349	0.204			
100	B18_Biased_LDR	0.598	0.447	0.151			
100	B19_Biased_LDR	0.419	0.371	0.048			
100	B20_Biased_LDR	0.515	0.339	0.176			
100	B21_Biased_LDR	0.475	0.439	0.036			
100	B24_Biased_LDR	0.561	0.511	0.050			
100	B25_Biased_LDR	0.520	0.497	0.023			
100	B26_Biased_LDR	0.563	0.503	0.060			
100	C16_Biased_LDR	0.410	0.376	0.034			
100	C17_Biased_LDR	0.433	0.391	0.042			
100	C18_Biased_LDR	0.444	0.408	0.036			
100	C19_Biased_LDR	0.480	0.384	0.096			
100	C25_Biased_LDR	0.495	0.449	0.046			
100	C26_Biased_LDR	0.387	0.354	0.033			
100	C31_Biased_LDR	0.450	0.414	0.036			
100	A107_Unbiased_LDR	0.529	0.490	0.039	0.032		
100	A108_Unbiased_LDR	0.383	0.354	0.029			
100	A109_Unbiased_LDR	0.467	0.244	0.223			
100	A110_Unbiased_LDR	0.421	0.397	0.024			
100	A111_Unbiased_LDR	0.490	0.464	0.026			
100	A112_Unbiased_LDR	0.400	0.371	0.029			
100	A113_Unbiased_LDR	0.582	0.540	0.042			
100	B27_Unbiased_LDR	0.453	0.392	0.061			
100	B29_Unbiased_LDR	0.489	0.264	0.225			
100	B30_Unbiased_LDR	0.473	0.446	0.027			
100	B31_Unbiased_LDR	0.512	0.293	0.229			
100	B32_Unbiased_LDR	0.487	0.464	0.023			
100	B33_Unbiased_LDR	0.590	0.488	0.102			
100	B34_Unbiased_LDR	0.360	0.344	0.016			
100	B35_Unbiased_LDR	0.447	0.415	0.032			
100	C32_Unbiased_LDR	0.422	0.395	0.027			
100	C33_Unbiased_LDR	0.496	0.285	0.211			
100	C34_Unbiased_LDR	0.447	0.414	0.033			
100	C35_Unbiased_LDR	0.471	0.444	0.027			
100	C36_Unbiased_LDR	0.406	0.382	0.024			
100	C37_Unbiased_LDR	0.400	0.372	0.028			
100	C38_Unbiased_LDR	0.463	0.426	0.037			
Max	0.653	0.598	0.356				
Average	0.486	0.401	0.085				
Min	0.397	0.185	-0.241				
Std Dev	0.063	0.085	0.101				

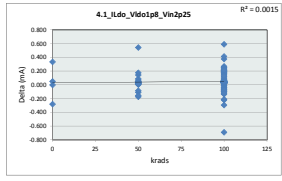


4.0_ILdo_Vldo2p5_Vin2p925				
Test Site	Dallas, Tx			
Tester	ETS			
Test Number	EF636800			
Max Limit	1.2		mA	
Min Limit	0		mA	
LL	50	100		
LL	0.000	0.000	0.000	
Min	0.440	0.315	0.185	
Average	0.499	0.434	0.389	
Max	0.598	0.554	0.540	
UL	1.200	1.200	1.200	

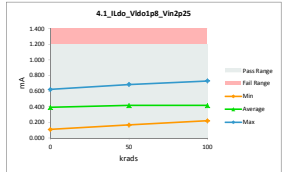


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

4.1_ILdo_Vldo1p8_Vin2p25						
Dallas, Tx						
ETS						
Test Number	EF636800			EF636800		
Unit	mA			mA		
Max Limit	1.2			1.2		
Min Limit	0			0		
krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	0.341	0.622	-0.281		
50	A126_Biased_HDR	0.236	0.167	0.069	0.038	1.053
50	A126_Unbiased_HDR	0.350	0.459	-0.109		
50	B48_Biased_HDR	0.447	0.409	0.038		
50	B49_Unbiased_HDR	0.412	0.373	0.039		
50	C51_Biased_HDR	0.454	0.417	0.037		
50	A130_Unbiased_HDR	0.201	0.373	-0.172	-0.085	-0.165
50	A133_Unbiased_HDR	0.600	0.685	-0.085		
50	B50_Unbiased_HDR	0.565	0.521	0.044		
50	B51_Unbiased_HDR	0.515	0.428	0.087		
50	C53_Unbiased_HDR	0.224	0.378	-0.154		
0	106_Corr	0.444	0.109	0.335		
100	A132_Biased_HDR	0.337	0.405	-0.068	0.046	0.913
100	A134_Biased_HDR	0.601	0.383	0.218		
100	A135_Biased_HDR	0.568	0.603	-0.035		
100	B52_Biased_HDR	0.528	0.474	0.054		
100	B54_Biased_HDR	0.574	0.420	0.154		
100	B55_Biased_HDR	0.382	0.260	0.122		
100	B56_Biased_HDR	0.484	0.430	0.054		
100	B57_Biased_HDR	0.560	0.470	0.090		
100	B59_Biased_HDR	0.528	0.428	0.100		
100	B62_Biased_HDR	0.519	0.478	0.041		
100	B64_Biased_HDR	0.441	0.407	0.034		
100	B64_Biased_HDR	0.457	0.422	0.035		
100	B66_Biased_HDR	0.470	0.432	0.038		
100	B68_Biased_HDR	0.464	0.420	0.044		
100	C54_Biased_HDR	0.276	0.378	-0.102		
100	C55_Biased_HDR	0.489	0.448	0.041		
100	C56_Biased_HDR	0.441	0.393	0.048		
100	C57_Biased_HDR	0.235	0.370	-0.135		
100	C58_Biased_HDR	0.485	0.432	0.053		
100	C59_Biased_HDR	0.137	0.431	-0.294		
100	C45_Biased_HDR	0.646	0.478	0.168		
100	C47_Biased_HDR	0.628	0.379	0.249		
100	A122_Unbiased_HDR	0.474	0.393	0.081	0.043	0.647
100	A138_Unbiased_HDR	0.510	0.730	-0.220		
100	A139_Unbiased_HDR	0.417	0.385	0.032		
100	B60_Unbiased_HDR	0.443	0.453	-0.010		
100	B61_Unbiased_HDR	0.642	0.465	0.177		
100	B69_Unbiased_HDR	0.443	0.409	0.034		
100	B70_Unbiased_HDR	0.642	0.446	0.196		
100	B71_Unbiased_HDR	0.537	0.630	-0.093		
100	B72_Unbiased_HDR	0.882	0.505	0.377		
100	B73_Unbiased_HDR	0.448	0.416	0.032		
100	B74_Unbiased_HDR	0.628	0.361	0.267		
100	B77_Unbiased_HDR	0.633	0.432	0.201		
100	B78_Unbiased_HDR	0.313	0.401	-0.088		
100	B79_Unbiased_HDR	0.333	0.373	-0.040		
100	B80_Unbiased_HDR	0.456	0.466	-0.010		
100	C70_Unbiased_HDR	0.889	0.443	0.046		
100	C71_Unbiased_HDR	0.662	0.719	-0.057		
100	C72_Unbiased_HDR	0.449	0.397	0.052		
100	C73_Unbiased_HDR	0.419	0.377	0.042		
100	C75_Unbiased_HDR	0.602	0.692	-0.090		
100	C76_Unbiased_HDR	0.417	0.372	0.045		
100	C79_Unbiased_HDR	0.388	0.345	0.043		
0	158_Corr	0.423	0.423	0.000		
50	A92_Biased_LDR	0.482	0.460	0.022	0.040	
50	A93_Biased_LDR	0.517	0.517	0.000		
50	B12_Biased_LDR	0.509	0.468	0.041		
50	B13_Biased_LDR	0.624	0.482	0.142		
50	C14_Biased_LDR	0.406	0.384	0.022		
50	A95_Unbiased_LDR	0.361	0.349	0.012	0.014	
50	B96_Unbiased_LDR	0.007	0.462	0.455		
50	B95_Unbiased_LDR	0.413	0.236	0.177		
50	B16_Unbiased_LDR	0.398	0.394	0.004		
50	C15_Unbiased_LDR	0.394	0.380	0.014		
0	106_Corr	0.470	0.419	0.051		
100	A99_Biased_LDR	0.355	0.328	0.027	0.042	
100	A99_Unbiased_LDR	0.602	0.353	0.249		
100	A100_Biased_LDR	0.405	0.373	0.032		
100	A101_Biased_LDR	0.207	0.281	-0.074		
100	A102_Biased_LDR	0.452	0.275	0.177		
100	A104_Biased_LDR	0.556	0.498	0.058		
100	A105_Biased_LDR	0.403	0.373	0.030		
100	B71_Biased_LDR	0.512	0.450	0.062		
100	B18_Biased_LDR	0.470	0.239	0.231		
100	B19_Biased_LDR	0.401	0.355	0.046		
100	B20_Biased_LDR	0.621	0.610	0.011		
100	B21_Biased_LDR	0.454	0.419	0.035		
100	B24_Biased_LDR	0.539	0.491	0.048		
100	B25_Biased_LDR	0.423	0.221	0.202		
100	B26_Biased_LDR	0.539	0.482	0.057		
100	C16_Biased_LDR	0.394	0.361	0.033		
100	C17_Biased_LDR	0.415	0.374	0.041		
100	C18_Biased_LDR	0.427	0.391	0.036		
100	C19_Biased_LDR	0.411	0.368	0.043		
100	C25_Biased_LDR	0.475	0.429	0.046		
100	C26_Biased_LDR	0.372	0.339	0.033		
100	C31_Biased_LDR	0.430	0.394	0.036		
100	A107_Unbiased_LDR	0.508	0.469	0.039	0.028	
100	A108_Unbiased_LDR	0.387	0.339	0.028		
100	A109_Unbiased_LDR	0.635	0.221	0.414		
100	A110_Unbiased_LDR	0.403	0.379	0.024		
100	A111_Unbiased_LDR	0.470	0.436	0.034		
100	A112_Unbiased_LDR	0.385	0.358	0.027		
100	A113_Unbiased_LDR	0.534	0.347	0.187		
100	B27_Unbiased_LDR	0.589	0.377	0.212		
100	B29_Unbiased_LDR	0.311	0.432	-0.121		
100	B30_Unbiased_LDR	0.453	0.426	0.027		
100	B31_Unbiased_LDR	0.494	0.465	0.029		
100	B32_Unbiased_LDR	0.467	0.444	0.023		
100	B33_Unbiased_LDR	0.056	0.467	0.589		
100	B34_Unbiased_LDR	0.345	0.328	0.017		
100	B35_Unbiased_LDR	0.428	0.398	0.030		
100	C32_Unbiased_LDR	0.405	0.379	0.026		
100	C33_Unbiased_LDR	0.428	0.637	-0.209		
100	C34_Unbiased_LDR	0.429	0.397	0.032		
100	C35_Unbiased_LDR	0.450	0.423	0.027		
100	C36_Unbiased_LDR	0.391	0.366	0.025		
100	C37_Unbiased_LDR	0.384	0.357	0.027		
100	C38_Unbiased_LDR	0.445	0.409	0.036		
Max		1.056	0.730	0.589		
Average		0.464	0.416	0.047		
Min		0.002	0.109	-0.690		
Std Dev		0.141	0.100	0.151		

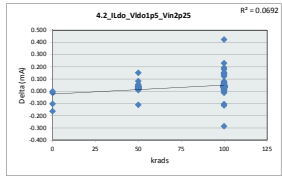


4.1_ILdo_Vldo1p8_Vin2p25			
Dallas, Tx			
ETS			
Test Number	EF636800		
Max Limit	1.2 mA		
Min Limit	0 mA		
krads	LL	50	100
LL	0.000	0.000	0.000
Min	0.109	0.167	0.221
Average	0.393	0.437	0.417
Max	0.622	0.685	0.730
UL	1.200	1.200	1.200

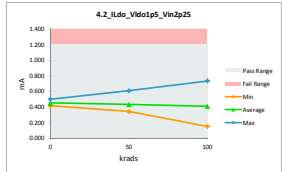


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

4.2_ILdo_Vldo1p5_Vin2p25						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	mA		mA			
Max Limit	1.2		1.2			
Min Limit	0		0			
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	0.537	0.501	-0.164		
50	A120_Biased_HDR	0.492	0.463	0.029	0.037	0.730
50	A120_Unbiased_HDR	0.486	0.449	0.037		
50	B48_Biased_HDR	0.439	0.401	0.038		
50	B49_Unbiased_HDR	0.404	0.367	0.037		
50	C51_Biased_HDR	0.428	0.410	0.018		
50	A130_Unbiased_HDR	0.518	0.367	0.151	0.043	0.395
50	A133_Unbiased_HDR	0.545	0.517	0.028		
50	B50_Unbiased_HDR	0.553	0.510	0.043		
50	B51_Unbiased_HDR	0.506	0.422	0.084		
50	C53_Unbiased_HDR	0.646	0.609	0.037		
0	106_Corr	0.436	0.451	-0.015		
100	A132_Biased_HDR	0.476	0.398	0.078	0.046	0.839
100	A134_Biased_HDR	0.526	0.378	0.148		
100	A135_Biased_HDR	0.669	0.439	0.230		
100	B82_Biased_HDR	0.513	0.466	0.047		
100	B84_Biased_HDR	0.461	0.413	0.048		
100	B85_Biased_HDR	0.576	0.453	0.123		
100	B86_Biased_HDR	0.316	0.422	-0.106		
100	B87_Biased_HDR	0.539	0.458	0.081		
100	B89_Biased_HDR	0.492	0.419	0.073		
100	B82_Unbiased_HDR	0.509	0.468	0.041		
100	B83_Unbiased_HDR	0.435	0.400	0.035		
100	B84_Unbiased_HDR	0.449	0.415	0.034		
100	B86_Unbiased_HDR	0.462	0.423	0.039		
100	B88_Unbiased_HDR	0.457	0.411	0.046		
100	C54_Biased_HDR	0.410	0.371	0.039		
100	C55_Biased_HDR	0.482	0.440	0.042		
100	C56_Biased_HDR	0.432	0.385	0.047		
100	C57_Biased_HDR	0.398	0.363	0.035		
100	C58_Biased_HDR	0.476	0.434	0.052		
100	C59_Biased_HDR	0.467	0.423	0.044		
100	C45_Unbiased_HDR	0.508	0.458	0.050		
100	C47_Unbiased_HDR	0.409	0.372	0.037		
100	A122_Unbiased_HDR	0.526	0.385	0.141	0.041	0.817
100	A136_Unbiased_HDR	0.556	0.363	0.193		
100	A139_Unbiased_HDR	0.414	0.376	0.058		
100	B60_Unbiased_HDR	0.436	0.444	-0.008		
100	B63_Unbiased_HDR	0.476	0.455	0.021		
100	B69_Unbiased_HDR	0.436	0.401	0.035		
100	B70_Unbiased_HDR	0.476	0.455	0.021		
100	B71_Unbiased_HDR	0.494	0.483	0.011		
100	B72_Unbiased_HDR	0.516	0.473	0.043		
100	B73_Unbiased_HDR	0.441	0.408	0.033		
100	B74_Unbiased_HDR	0.575	0.152	0.423		
100	B77_Unbiased_HDR	0.517	0.452	0.065		
100	B78_Unbiased_HDR	0.431	0.393	0.038		
100	B79_Unbiased_HDR	0.468	0.434	0.034		
100	B80_Unbiased_HDR	0.448	0.734	-0.286		
100	C70_Unbiased_HDR	0.480	0.434	0.046		
100	C71_Unbiased_HDR	0.479	0.439	0.040		
100	C72_Unbiased_HDR	0.432	0.391	0.041		
100	C73_Unbiased_HDR	0.811	0.389	0.042		
100	C75_Unbiased_HDR	0.506	0.453	0.053		
100	C76_Unbiased_HDR	0.407	0.365	0.042		
100	C79_Unbiased_HDR	0.379	0.338	0.041		
0	158_Corr	0.416	0.416	0.000		
50	A92_Biased_LDR	0.479	0.452	0.027	0.027	
50	A93_Biased_LDR	0.514	0.456	0.058		
50	B12_Biased_LDR	0.506	0.460	0.046		
50	B13_Biased_LDR	0.334	0.444	-0.110		
50	C14_Biased_LDR	0.404	0.377	0.027		
50	A95_Unbiased_LDR	0.359	0.342	0.017	0.017	
50	A96_Unbiased_LDR	0.474	0.453	0.021		
50	B15_Unbiased_LDR	0.412	0.395	0.017		
50	B16_Unbiased_LDR	0.397	0.386	0.011		
50	C15_Unbiased_LDR	0.392	0.374	0.018		
0	106_Corr	0.344	0.447	-0.103		
100	A99_Biased_LDR	0.355	0.323	0.032	0.039	
100	A99_Unbiased_LDR	0.478	0.465	0.013		
100	A100_Biased_LDR	0.404	0.366	0.038		
100	A101_Biased_LDR	0.463	0.428	0.035		
100	A102_Biased_LDR	0.451	0.270	0.181		
100	A104_Biased_LDR	0.497	0.489	0.008		
100	A105_Biased_LDR	0.402	0.367	0.035		
100	B17_Biased_LDR	0.328	0.443	-0.115		
100	B18_Biased_LDR	0.468	0.434	0.034		
100	B19_Biased_LDR	0.398	0.351	0.047		
100	B20_Biased_LDR	0.554	0.419	0.135		
100	B21_Biased_LDR	0.451	0.411	0.040		
100	B24_Biased_LDR	0.535	0.483	0.052		
100	B25_Biased_LDR	0.451	0.461	-0.010		
100	B26_Biased_LDR	0.536	0.473	0.063		
100	C16_Biased_LDR	0.393	0.356	0.037		
100	C17_Biased_LDR	0.413	0.367	0.046		
100	C18_Biased_LDR	0.426	0.386	0.040		
100	C19_Biased_LDR	0.409	0.362	0.047		
100	C25_Biased_LDR	0.473	0.422	0.051		
100	C26_Biased_LDR	0.370	0.335	0.035		
100	C31_Biased_LDR	0.428	0.387	0.041		
100	A107_Unbiased_LDR	0.504	0.461	0.043	0.034	
100	A108_Unbiased_LDR	0.366	0.332	0.034		
100	A109_Unbiased_LDR	0.461	0.430	0.031		
100	A110_Unbiased_LDR	0.400	0.373	0.027		
100	A111_Unbiased_LDR	0.468	0.427	0.041		
100	A112_Unbiased_LDR	0.383	0.352	0.031		
100	A113_Unbiased_LDR	0.513	0.473	0.040		
100	B27_Unbiased_LDR	0.528	0.373	0.155		
100	B29_Unbiased_LDR	0.463	0.423	0.040		
100	B30_Unbiased_LDR	0.450	0.418	0.032		
100	B31_Unbiased_LDR	0.436	0.401	0.035		
100	B32_Unbiased_LDR	0.464	0.435	0.029		
100	B33_Unbiased_LDR	0.524	0.456	0.068		
100	B34_Unbiased_LDR	0.344	0.321	0.023		
100	B35_Unbiased_LDR	0.427	0.399	0.028		
100	C32_Unbiased_LDR	0.404	0.373	0.031		
100	C33_Unbiased_LDR	0.458	0.424	0.034		
100	C34_Unbiased_LDR	0.428	0.390	0.038		
100	C35_Unbiased_LDR	0.448	0.415	0.033		
100	C36_Unbiased_LDR	0.390	0.360	0.030		
100	C37_Unbiased_LDR	0.383	0.351	0.032		
100	C38_Unbiased_LDR	0.443	0.401	0.042		
Max	0.669	0.734	0.423			
Average	0.455	0.415	0.040			
Min	0.316	0.152	-0.286			
Std Dev	0.063	0.063	0.071			

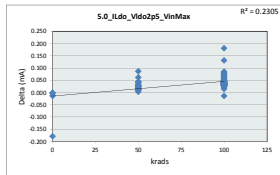


4.2_ILdo_Vldo1p5_Vin2p25			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	1.2 mA		
Min Limit	0 mA		
krads	LL	50	100
LL	0.000	0.000	0.000
Min	0.416	0.342	0.152
Average	0.454	0.433	0.409
Max	0.501	0.609	0.734
UL	1.200	1.200	1.200

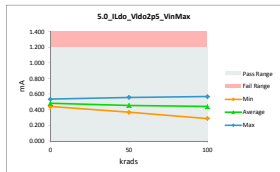


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

5.0_ILdo_Vldo2p5_VinMax						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Part	m8					
Max Limit	1.2					
Min Limit	0					
Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio	
0	374_Corr	0.356	0.534	-0.178		
50	A126_Biased_HDR	0.520	0.494	0.026	0.029	0.828
50	A129_Biased_HDR	0.510	0.481	0.029		
50	B48_Biased_HDR	0.470	0.428	0.042		
50	B49_Biased_HDR	0.432	0.391	0.041		
50	C51_Biased_HDR	0.454	0.438	0.016		
50	A130_Unbiased_HDR	0.423	0.392	0.031	0.034	0.324
50	A133_Unbiased_HDR	0.590	0.556	0.034		
50	B50_Unbiased_HDR	0.592	0.547	0.045		
50	B51_Unbiased_HDR	0.537	0.450	0.087		
50	C53_Unbiased_HDR	0.445	0.448	-0.017		
0	106_Corr	0.465	0.479	-0.014		
100	A132_Biased_HDR	0.493	0.424	0.069	0.046	0.804
100	A134_Biased_HDR	0.529	0.397	0.132		
100	A135_Biased_HDR	0.544	0.475	0.069		
100	B52_Biased_HDR	0.537	0.494	0.043		
100	B54_Biased_HDR	0.489	0.439	0.050		
100	B55_Biased_HDR	0.559	0.483	0.076		
100	B56_Biased_HDR	0.500	0.451	0.049		
100	B57_Biased_HDR	0.577	0.491	0.086		
100	B59_Biased_HDR	0.523	0.447	0.076		
100	B62_Biased_HDR	0.545	0.503	0.042		
100	B64_Biased_HDR	0.460	0.426	0.034		
100	B64_Biased_HDR	0.479	0.443	0.036		
100	B66_Biased_HDR	0.490	0.452	0.038		
100	B68_Biased_HDR	0.466	0.441	0.045		
100	C54_Biased_HDR	0.433	0.396	0.037		
100	C55_Biased_HDR	0.511	0.468	0.043		
100	C56_Biased_HDR	0.461	0.414	0.047		
100	C57_Biased_HDR	0.422	0.385	0.037		
100	C58_Biased_HDR	0.505	0.453	0.052		
100	C59_Biased_HDR	0.495	0.450	0.045		
100	C45_Biased_HDR	0.545	0.488	0.057		
100	C47_Biased_HDR	0.433	0.397	0.036		
100	A122_Unbiased_HDR	0.471	0.410	0.061	0.041	0.732
100	A123_Unbiased_HDR	0.651	0.569	0.082		
100	A129_Unbiased_HDR	0.457	0.403	0.054		
100	B60_Unbiased_HDR	0.463	0.476	-0.013		
100	B61_Unbiased_HDR	0.521	0.486	0.035		
100	B63_Unbiased_HDR	0.463	0.427	0.036		
100	B70_Unbiased_HDR	0.521	0.486	0.035		
100	B71_Unbiased_HDR	0.559	0.488	0.041		
100	B72_Unbiased_HDR	0.547	0.504	0.043		
100	B73_Unbiased_HDR	0.466	0.434	0.032		
100	B74_Unbiased_HDR	0.584	0.543	0.041		
100	B77_Unbiased_HDR	0.607	0.562	0.045		
100	B78_Unbiased_HDR	0.460	0.423	0.037		
100	B79_Unbiased_HDR	0.497	0.463	0.034		
100	B80_Unbiased_HDR	0.507	0.472	0.035		
100	C70_Unbiased_HDR	0.512	0.463	0.049		
100	C71_Unbiased_HDR	0.515	0.477	0.038		
100	C72_Unbiased_HDR	0.460	0.416	0.044		
100	C73_Unbiased_HDR	0.438	0.396	0.042		
100	C75_Unbiased_HDR	0.536	0.498	0.038		
100	C76_Unbiased_HDR	0.432	0.391	0.041		
100	C79_Unbiased_HDR	0.402	0.361	0.041		
0	158_Corr	0.442	0.442	0.000		
50	A92_Biased_LDR	0.505	0.481	0.024	0.024	
50	A93_Biased_LDR	0.581	0.558	0.023		
50	B12_Biased_LDR	0.532	0.491	0.041		
50	B13_Biased_LDR	0.533	0.470	0.063		
50	C14_Biased_LDR	0.426	0.403	0.023		
50	A95_Unbiased_LDR	0.377	0.366	0.011	0.011	
50	B96_Unbiased_LDR	0.496	0.482	0.014		
50	B15_Unbiased_LDR	0.431	0.421	0.010		
50	B16_Unbiased_LDR	0.416	0.412	0.004		
50	C15_Unbiased_LDR	0.432	0.398	0.034		
0	106_Corr	0.431	0.434	-0.003		
100	A99_Biased_LDR	0.372	0.344	0.028	0.037	
100	A99_Biased_LDR	0.535	0.494	0.041		
100	A100_Biased_LDR	0.424	0.391	0.033		
100	A101_Biased_LDR	0.485	0.452	0.033		
100	A102_Biased_LDR	0.470	0.288	0.182		
100	A104_Biased_LDR	0.582	0.521	0.061		
100	A105_Biased_LDR	0.420	0.389	0.031		
100	B17_Biased_LDR	0.511	0.472	0.039		
100	B18_Biased_LDR	0.488	0.457	0.031		
100	B19_Biased_LDR	0.419	0.373	0.046		
100	B20_Biased_LDR	0.534	0.498	0.036		
100	B21_Biased_LDR	0.475	0.440	0.035		
100	B24_Biased_LDR	0.560	0.511	0.049		
100	B25_Biased_LDR	0.527	0.490	0.037		
100	B26_Biased_LDR	0.563	0.502	0.061		
100	C16_Biased_LDR	0.412	0.379	0.033		
100	C17_Biased_LDR	0.434	0.392	0.042		
100	C18_Biased_LDR	0.445	0.409	0.036		
100	C19_Biased_LDR	0.429	0.385	0.044		
100	C25_Biased_LDR	0.497	0.449	0.048		
100	C26_Biased_LDR	0.388	0.354	0.034		
100	C31_Biased_LDR	0.451	0.414	0.037		
100	A107_Unbiased_LDR	0.530	0.491	0.039	0.030	
100	A108_Unbiased_LDR	0.384	0.356	0.028		
100	A109_Unbiased_LDR	0.487	0.459	0.028		
100	A110_Unbiased_LDR	0.421	0.399	0.022		
100	A111_Unbiased_LDR	0.491	0.455	0.036		
100	A112_Unbiased_LDR	0.401	0.371	0.030		
100	A113_Unbiased_LDR	0.556	0.506	0.050		
100	B27_Unbiased_LDR	0.473	0.392	0.081		
100	B29_Unbiased_LDR	0.487	0.451	0.036		
100	B30_Unbiased_LDR	0.475	0.446	0.029		
100	B31_Unbiased_LDR	0.498	0.461	0.037		
100	B32_Unbiased_LDR	0.489	0.465	0.024		
100	B33_Unbiased_LDR	0.561	0.489	0.072		
100	B34_Unbiased_LDR	0.361	0.345	0.016		
100	B35_Unbiased_LDR	0.447	0.416	0.031		
100	C30_Unbiased_LDR	0.422	0.395	0.027		
100	C33_Unbiased_LDR	0.479	0.450	0.029		
100	C34_Unbiased_LDR	0.448	0.416	0.032		
100	C35_Unbiased_LDR	0.471	0.443	0.028		
100	C36_Unbiased_LDR	0.407	0.383	0.024		
100	C37_Unbiased_LDR	0.402	0.372	0.030		
100	C38_Unbiased_LDR	0.465	0.427	0.038		
	Max	0.651	0.569	0.182		
	Average	0.483	0.445	0.038		
	Min	0.356	0.288	-0.178		
	Std Dev	0.058	0.053	0.032		

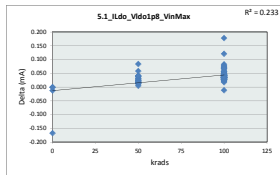


5.0_ILdo_Vldo2p5_VinMax			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	1.2 mA		
Min Limit	0 mA		
LL	0.000	0.000	0.000
Min	0.442	0.366	0.288
Average	0.482	0.455	0.441
Max	0.534	0.558	0.569
UL	1.200	1.200	1.200

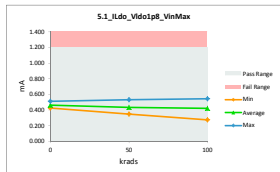


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

5.1_ILdo_Vldo1p8_VinMax						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	m8		m8			
Max Limit	1.2		1.2			
Min Limit	0		0			
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	0.342	0.510	-0.168		
50	A120_Biased_HDR	0.495	0.471	0.024	0.028	0.857
50	A120_Unbiased_HDR	0.486	0.458	0.028		
50	B48_Biased_HDR	0.447	0.409	0.038		
50	B49_Unbiased_HDR	0.412	0.374	0.038		
50	C51_Biased_HDR	0.434	0.417	0.017		
50	A130_Unbiased_HDR	0.403	0.372	0.031	0.032	0.375
50	A131_Unbiased_HDR	0.562	0.530	0.032		
50	B50_Unbiased_HDR	0.564	0.522	0.042		
50	B51_Unbiased_HDR	0.513	0.430	0.083		
50	C53_Unbiased_HDR	0.444	0.427	0.017		
0	106_Corr	0.457	-0.013			
100	A132_Biased_HDR	0.471	0.405	0.066	0.045	0.822
100	A134_Biased_HDR	0.503	0.382	0.121		
100	A135_Biased_HDR	0.519	0.453	0.066		
100	B82_Biased_HDR	0.513	0.473	0.040		
100	B84_Biased_HDR	0.467	0.430	0.047		
100	B85_Biased_HDR	0.532	0.460	0.072		
100	B86_Biased_HDR	0.477	0.430	0.047		
100	B87_Biased_HDR	0.549	0.467	0.082		
100	B89_Biased_HDR	0.498	0.427	0.071		
100	B82_Unbiased_HDR	0.519	0.478	0.041		
100	B83_Unbiased_HDR	0.440	0.408	0.032		
100	B84_Unbiased_HDR	0.456	0.422	0.034		
100	B86_Unbiased_HDR	0.469	0.431	0.038		
100	B88_Unbiased_HDR	0.463	0.420	0.043		
100	C54_Biased_HDR	0.415	0.379	0.036		
100	C55_Biased_HDR	0.489	0.449	0.040		
100	C56_Biased_HDR	0.440	0.392	0.048		
100	C57_Biased_HDR	0.403	0.369	0.034		
100	C58_Biased_HDR	0.483	0.432	0.051		
100	C59_Biased_HDR	0.474	0.431	0.043		
100	C65_Biased_HDR	0.522	0.467	0.055		
100	C67_Biased_HDR	0.414	0.379	0.035		
100	A122_Unbiased_HDR	0.449	0.391	0.058	0.040	0.712
100	A138_Unbiased_HDR	0.621	0.544	0.077		
100	A139_Unbiased_HDR	0.435	0.384	0.051		
100	B60_Unbiased_HDR	0.442	0.454	-0.012		
100	B63_Unbiased_HDR	0.498	0.468	0.030		
100	B69_Unbiased_HDR	0.442	0.409	0.033		
100	B70_Unbiased_HDR	0.498	0.463	0.035		
100	B71_Unbiased_HDR	0.535	0.493	0.042		
100	B72_Unbiased_HDR	0.523	0.481	0.042		
100	B73_Unbiased_HDR	0.448	0.415	0.033		
100	B74_Unbiased_HDR	0.560	0.520	0.040		
100	B77_Unbiased_HDR	0.581	0.538	0.043		
100	B78_Unbiased_HDR	0.438	0.401	0.037		
100	B79_Unbiased_HDR	0.474	0.441	0.033		
100	B80_Unbiased_HDR	0.483	0.450	0.033		
100	C70_Unbiased_HDR	0.488	0.442	0.046		
100	C71_Unbiased_HDR	0.492	0.456	0.036		
100	C72_Unbiased_HDR	0.440	0.396	0.044		
100	C73_Unbiased_HDR	0.418	0.377	0.041		
100	C75_Unbiased_HDR	0.513	0.476	0.037		
100	C76_Unbiased_HDR	0.413	0.373	0.040		
100	C79_Unbiased_HDR	0.385	0.344	0.041		
0	158_Corr	0.423	0.423	0.000		
50	A92_Biased_LDR	0.482	0.460	0.022	0.024	
50	A93_Biased_LDR	0.556	0.522	0.034		
50	B12_Biased_LDR	0.508	0.468	0.040		
50	B13_Biased_LDR	0.507	0.449	0.058		
50	C14_Biased_LDR	0.405	0.384	0.021		
50	A95_Unbiased_LDR	0.360	0.348	0.012	0.012	
50	A96_Unbiased_LDR	0.475	0.460	0.015		
50	B15_Unbiased_LDR	0.472	0.401	0.071		
50	B16_Unbiased_LDR	0.397	0.393	0.004		
50	C15_Unbiased_LDR	0.385	0.380	0.005		
0	106_Corr	0.451	0.453	-0.002		
100	A97_Biased_LDR	0.355	0.329	0.026	0.037	
100	A99_Biased_LDR	0.511	0.471	0.040		
100	A100_Biased_LDR	0.405	0.372	0.033		
100	A101_Biased_LDR	0.464	0.432	0.032		
100	A102_Biased_LDR	0.451	0.274	0.177		
100	A104_Biased_LDR	0.553	0.497	0.056		
100	A108_Biased_LDR	0.403	0.372	0.031		
100	B17_Biased_LDR	0.488	0.452	0.036		
100	B18_Biased_LDR	0.469	0.440	0.029		
100	B19_Biased_LDR	0.399	0.356	0.043		
100	B20_Biased_LDR	0.511	0.477	0.034		
100	B21_Biased_LDR	0.453	0.418	0.035		
100	B24_Biased_LDR	0.536	0.490	0.046		
100	B25_Biased_LDR	0.504	0.467	0.037		
100	B26_Biased_LDR	0.538	0.481	0.057		
100	C16_Biased_LDR	0.393	0.361	0.032		
100	C17_Biased_LDR	0.415	0.372	0.043		
100	C18_Biased_LDR	0.428	0.391	0.037		
100	C19_Biased_LDR	0.411	0.367	0.044		
100	C25_Biased_LDR	0.473	0.428	0.045		
100	C26_Biased_LDR	0.372	0.340	0.032		
100	C31_Biased_LDR	0.430	0.393	0.037		
100	A107_Unbiased_LDR	0.506	0.468	0.038	0.028	
100	A108_Unbiased_LDR	0.388	0.340	0.048		
100	A109_Unbiased_LDR	0.465	0.439	0.026		
100	A110_Unbiased_LDR	0.402	0.381	0.021		
100	A111_Unbiased_LDR	0.469	0.434	0.035		
100	A112_Unbiased_LDR	0.384	0.357	0.027		
100	A113_Unbiased_LDR	0.529	0.483	0.046		
100	B27_Unbiased_LDR	0.453	0.378	0.075		
100	B29_Unbiased_LDR	0.465	0.432	0.033		
100	B30_Unbiased_LDR	0.452	0.426	0.026		
100	B31_Unbiased_LDR	0.474	0.438	0.036		
100	B32_Unbiased_LDR	0.465	0.442	0.023		
100	B33_Unbiased_LDR	0.543	0.465	0.068		
100	B34_Unbiased_LDR	0.345	0.328	0.017		
100	B35_Unbiased_LDR	0.427	0.398	0.029		
100	C32_Unbiased_LDR	0.405	0.379	0.026		
100	C33_Unbiased_LDR	0.459	0.431	0.028		
100	C34_Unbiased_LDR	0.429	0.397	0.032		
100	C35_Unbiased_LDR	0.450	0.423	0.027		
100	C36_Unbiased_LDR	0.390	0.367	0.023		
100	C37_Unbiased_LDR	0.385	0.356	0.029		
100	C38_Unbiased_LDR	0.445	0.409	0.036		
Max		0.621	0.544	0.177		
Average		0.461	0.425	0.037		
Min		0.342	-0.168	-0.274		
Std Dev		0.055	0.051	0.030		

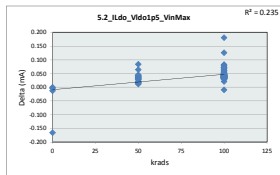


5.1_ILdo_Vldo1p8_VinMax			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	1.2 mA		
Min Limit	0 mA		
krads	50	100	100
LL	0.000	0.000	0.000
Min	0.423	0.348	0.274
Average	0.461	0.434	0.421
Max	0.510	0.532	0.544
UL	1.200	1.200	1.200

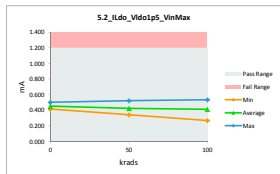


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

E-2_I_Ldo_Vldo1p5_VinMax						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	1.2 mA					
Min Limit	0 mA					
Krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	0.336	0.501	-0.165		
50	A120_Biased_HDR	0.494	0.461	0.033	0.035	0.886
50	A120_Unbiased_HDR	0.484	0.449	0.035		
50	B48_Biased_HDR	0.439	0.398	0.041		
50	B49_Unbiased_HDR	0.405	0.367	0.038		
50	C51_Biased_HDR	0.426	0.409	0.017		
50	A130_Unbiased_HDR	0.401	0.366	0.035	0.041	0.415
50	A133_Unbiased_HDR	0.560	0.519	0.041		
50	B50_Unbiased_HDR	0.553	0.511	0.042		
50	B51_Unbiased_HDR	0.505	0.421	0.084		
50	C53_Unbiased_HDR	0.436	0.419	0.017		
0	106_Corr	0.436	0.449	-0.013		
100	A132_Biased_HDR	0.468	0.398	0.070	0.046	0.924
100	A134_Biased_HDR	0.502	0.376	0.126		
100	A135_Unbiased_HDR	0.517	0.445	0.072		
100	B52_Biased_HDR	0.505	0.464	0.041		
100	B54_Unbiased_HDR	0.459	0.411	0.048		
100	B55_Biased_HDR	0.522	0.451	0.071		
100	B56_Unbiased_HDR	0.469	0.422	0.047		
100	B57_Biased_HDR	0.539	0.469	0.080		
100	B59_Unbiased_HDR	0.489	0.419	0.070		
100	B62_Biased_HDR	0.509	0.468	0.041		
100	B64_Unbiased_HDR	0.435	0.399	0.036		
100	B64_Biased_HDR	0.449	0.414	0.035		
100	B66_Biased_HDR	0.461	0.422	0.039		
100	B68_Biased_HDR	0.456	0.411	0.045		
100	C54_Biased_HDR	0.409	0.372	0.037		
100	C55_Biased_HDR	0.481	0.440	0.041		
100	C56_Biased_HDR	0.431	0.384	0.047		
100	C57_Biased_HDR	0.396	0.361	0.035		
100	C58_Biased_HDR	0.475	0.433	0.042		
100	C59_Biased_HDR	0.466	0.423	0.043		
100	C45_Biased_HDR	0.513	0.458	0.055		
100	C47_Biased_HDR	0.408	0.372	0.036		
100	A122_Unbiased_HDR	0.447	0.385	0.062	0.041	0.852
100	A128_Unbiased_HDR	0.618	0.535	0.083		
100	A139_Unbiased_HDR	0.414	0.375	0.039		
100	B60_Unbiased_HDR	0.435	0.444	-0.009		
100	B61_Unbiased_HDR	0.489	0.455	0.034		
100	B69_Unbiased_HDR	0.435	0.401	0.034		
100	B70_Unbiased_HDR	0.489	0.455	0.034		
100	B71_Unbiased_HDR	0.525	0.482	0.043		
100	B72_Unbiased_HDR	0.514	0.473	0.041		
100	B73_Unbiased_HDR	0.441	0.406	0.035		
100	B74_Unbiased_HDR	0.551	0.509	0.042		
100	B77_Unbiased_HDR	0.569	0.528	0.041		
100	B78_Unbiased_HDR	0.431	0.392	0.039		
100	B79_Unbiased_HDR	0.466	0.433	0.033		
100	B80_Unbiased_HDR	0.475	0.442	0.033		
100	C70_Unbiased_HDR	0.480	0.439	0.041		
100	C71_Unbiased_HDR	0.483	0.447	0.036		
100	C72_Unbiased_HDR	0.432	0.390	0.042		
100	C73_Unbiased_HDR	0.410	0.368	0.042		
100	C75_Unbiased_HDR	0.505	0.467	0.038		
100	C76_Unbiased_HDR	0.406	0.366	0.040		
100	C79_Unbiased_HDR	0.380	0.337	0.043		
0	158_Corr	0.415	0.415	0.000		
50	A92_Biased_LDR	0.480	0.451	0.029	0.031	
50	A93_Biased_LDR	0.553	0.522	0.031		
50	B12_Biased_LDR	0.505	0.459	0.046		
50	B13_Biased_LDR	0.505	0.441	0.064		
50	C14_Biased_LDR	0.404	0.376	0.028		
50	A95_Unbiased_LDR	0.359	0.342	0.017	0.017	
50	B96_Unbiased_LDR	0.473	0.451	0.022		
50	B95_Unbiased_LDR	0.409	0.393	0.016		
50	B16_Unbiased_LDR	0.396	0.384	0.012		
50	C15_Unbiased_LDR	0.392	0.374	0.018		
0	106_Corr	0.442	0.445	-0.003		
100	A99_Biased_LDR	0.354	0.323	0.031	0.042	
100	A99_Unbiased_LDR	0.508	0.463	0.045		
100	A100_Biased_LDR	0.403	0.365	0.038		
100	A101_Biased_LDR	0.462	0.425	0.037		
100	A102_Biased_LDR	0.450	0.269	0.181		
100	A104_Biased_LDR	0.550	0.488	0.062		
100	A105_Biased_LDR	0.401	0.366	0.035		
100	B71_Biased_LDR	0.487	0.443	0.044		
100	B18_Biased_LDR	0.467	0.432	0.035		
100	B19_Biased_LDR	0.397	0.348	0.049		
100	B20_Biased_LDR	0.509	0.468	0.041		
100	B21_Biased_LDR	0.451	0.409	0.042		
100	B24_Biased_LDR	0.534	0.482	0.052		
100	B25_Biased_LDR	0.502	0.459	0.043		
100	B26_Biased_LDR	0.535	0.472	0.063		
100	C16_Biased_LDR	0.392	0.355	0.037		
100	C17_Biased_LDR	0.412	0.366	0.046		
100	C18_Biased_LDR	0.425	0.388	0.039		
100	C19_Biased_LDR	0.409	0.361	0.048		
100	C25_Biased_LDR	0.471	0.420	0.051		
100	C26_Biased_LDR	0.370	0.333	0.037		
100	C31_Biased_LDR	0.428	0.386	0.042		
100	A107_Unbiased_LDR	0.504	0.459	0.045	0.035	
100	A108_Unbiased_LDR	0.385	0.332	0.053		
100	A109_Unbiased_LDR	0.463	0.428	0.035		
100	A110_Unbiased_LDR	0.400	0.371	0.029		
100	A111_Unbiased_LDR	0.467	0.427	0.040		
100	A112_Unbiased_LDR	0.382	0.351	0.031		
100	A113_Unbiased_LDR	0.525	0.473	0.052		
100	B27_Unbiased_LDR	0.451	0.372	0.079		
100	B29_Unbiased_LDR	0.462	0.422	0.040		
100	B30_Unbiased_LDR	0.451	0.417	0.034		
100	B31_Unbiased_LDR	0.472	0.429	0.043		
100	B32_Unbiased_LDR	0.464	0.434	0.030		
100	B33_Unbiased_LDR	0.528	0.455	0.073		
100	B34_Unbiased_LDR	0.343	0.322	0.021		
100	B35_Unbiased_LDR	0.426	0.389	0.037		
100	C23_Unbiased_LDR	0.403	0.370	0.033		
100	C33_Unbiased_LDR	0.457	0.423	0.034		
100	C34_Unbiased_LDR	0.428	0.389	0.039		
100	C35_Unbiased_LDR	0.448	0.415	0.033		
100	C36_Unbiased_LDR	0.389	0.359	0.030		
100	C37_Unbiased_LDR	0.383	0.350	0.033		
100	C38_Unbiased_LDR	0.443	0.400	0.043		
Max				0.535	0.181	
Average				0.457	0.040	
Min				0.336	-0.165	
Std Dev				0.054	0.030	

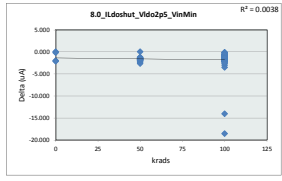


E-2_I_Ldo_Vldo1p5_VinMax			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	1.2 mA		
Min Limit	0 mA		
LL	0.000	0.000	0.000
Min	0.415	0.342	0.269
Average	0.453	0.426	0.413
Max	0.501	0.522	0.535
UL	1.200	1.200	1.200

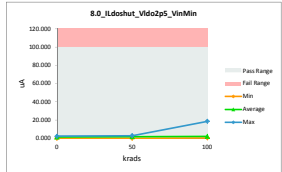


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

8.0_Ildoshat_Vldo2p5_VmMin						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	uA		uA			
Max Limit	100		100			
Min Limit	0		0			
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	0.003	2.011	-2.008		
50	A120_Biased_HDR	0.000	2.124	-2.124	-1.878	0.716
50	A120_Unbiased_HDR	0.000	1.406	-1.406		
50	B48_Biased_HDR	0.000	2.018	-2.018		
50	B49_Biased_HDR	0.000	1.812	-1.812		
50	C51_Biased_HDR	0.000	1.818	-1.818		
50	A130_Unbiased_HDR	0.000	1.550	-1.550	-1.999	0.813
50	A131_Unbiased_HDR	0.000	1.835	-1.835		
50	B50_Unbiased_HDR	0.000	2.342	-2.342		
50	B51_Unbiased_HDR	0.000	2.627	-2.627		
50	C53_Unbiased_HDR	0.000	1.999	-1.999		
0	106_Corr	0.002	2.131	-2.129		
100	A132_Biased_HDR	0.000	1.932	-1.932	-1.377	1.166
100	A134_Biased_HDR	0.000	14.072	-14.072		
100	A135_Biased_HDR	0.000	1.230	-1.230		
100	B62_Biased_HDR	0.000	1.652	-1.652		
100	B64_Biased_HDR	0.000	2.038	-2.038		
100	B55_Biased_HDR	0.000	1.909	-1.909		
100	B56_Biased_HDR	0.000	1.004	-1.004		
100	B57_Biased_HDR	0.000	1.839	-1.839		
100	B59_Biased_HDR	0.000	0.938	-0.938		
100	B62_Biased_HDR	0.000	1.542	-1.542		
100	B63_Biased_HDR	0.000	1.007	-1.007		
100	B64_Biased_HDR	0.000	0.961	-0.961		
100	B66_Biased_HDR	0.000	1.851	-1.851		
100	B68_Biased_HDR	0.000	1.293	-1.293		
100	C54_Biased_HDR	0.000	2.167	-2.167		
100	C55_Biased_HDR	0.000	1.067	-1.067		
100	C56_Biased_HDR	0.000	1.215	-1.215		
100	C57_Biased_HDR	0.000	1.461	-1.461		
100	C58_Biased_HDR	0.000	1.281	-1.281		
100	C59_Biased_HDR	0.000	1.059	-1.059		
100	C65_Biased_HDR	0.000	0.973	-0.973		
100	C67_Biased_HDR	0.000	1.808	-1.808		
100	A122_Unbiased_HDR	0.000	1.086	-1.086	-1.178	1.521
100	A136_Unbiased_HDR	0.000	0.598	-0.598		
100	A139_Unbiased_HDR	0.000	1.710	-1.710		
100	B60_Unbiased_HDR	0.000	1.340	-1.340		
100	B63_Unbiased_HDR	0.000	1.866	-1.866		
100	B69_Unbiased_HDR	0.000	1.714	-1.714		
100	B70_Unbiased_HDR	0.000	0.618	-0.618		
100	B71_Unbiased_HDR	0.000	1.461	-1.461		
100	B72_Unbiased_HDR	0.000	1.141	-1.141		
100	B73_Unbiased_HDR	0.000	1.164	-1.164		
100	B74_Unbiased_HDR	0.000	1.191	-1.191		
100	B77_Unbiased_HDR	0.000	0.934	-0.934		
100	B78_Unbiased_HDR	0.000	1.160	-1.160		
100	B79_Unbiased_HDR	0.000	1.154	-1.154		
100	B80_Unbiased_HDR	0.000	1.301	-1.301		
100	C70_Unbiased_HDR	0.000	0.751	-0.751		
100	C71_Unbiased_HDR	0.000	0.829	-0.829		
100	C72_Unbiased_HDR	0.000	1.656	-1.656		
100	C73_Unbiased_HDR	0.000	1.449	-1.449		
100	C75_Unbiased_HDR	0.000	1.870	-1.870		
100	C76_Unbiased_HDR	0.000	1.468	-1.468		
100	C79_Unbiased_HDR	0.000	0.739	-0.739		
0	106_Corr	0.002	0.002	0.000		
50	A92_Biased_LDR	0.003	1.433	-1.430	-1.344	
50	A93_Biased_LDR	0.003	1.604	-1.601		
50	B12_Biased_LDR	0.003	0.002	0.001		
50	B13_Biased_LDR	0.003	1.347	-1.344		
50	C14_Biased_LDR	0.003	1.172	-1.169		
50	A95_Unbiased_LDR	0.003	1.643	-1.640	-1.625	
50	A96_Unbiased_LDR	0.003	1.624	-1.621		
50	B15_Unbiased_LDR	0.003	1.379	-1.376		
50	B16_Unbiased_LDR	0.003	1.713	-1.710		
50	C15_Unbiased_LDR	0.003	1.628	-1.625		
0	106_Corr	1.247	1.445	-0.198		
100	A97_Biased_LDR	0.003	0.676	-0.673	-1.606	
100	A99_Biased_LDR	0.003	1.589	-1.586		
100	A100_Biased_LDR	0.003	1.375	-1.372		
100	A101_Biased_LDR	0.002	1.542	-1.540		
100	A102_Biased_LDR	0.003	2.131	-2.128		
100	A104_Biased_LDR	0.003	1.215	-1.212		
100	A105_Biased_LDR	0.003	1.156	-1.153		
100	B17_Biased_LDR	0.003	1.297	-1.294		
100	B18_Biased_LDR	0.003	2.167	-2.164		
100	B19_Biased_LDR	0.003	1.827	-1.824		
100	B20_Biased_LDR	0.003	0.368	-0.365		
100	B21_Biased_LDR	0.003	1.960	-1.957		
100	B24_Biased_LDR	0.002	1.936	-1.934		
100	B25_Biased_LDR	0.003	1.843	-1.840		
100	B26_Biased_LDR	0.003	0.080	-0.077		
100	C16_Biased_LDR	0.002	3.044	-3.042		
100	C17_Biased_LDR	0.003	2.061	-2.058		
100	C18_Biased_LDR	0.002	3.508	-3.506		
100	C19_Biased_LDR	0.003	0.217	-0.214		
100	C25_Biased_LDR	0.003	1.628	-1.625		
100	C26_Biased_LDR	0.002	1.414	-1.412		
100	C31_Biased_LDR	0.002	1.671	-1.669		
100	A107_Unbiased_LDR	0.003	1.055	-1.052	-1.791	
100	A108_Unbiased_LDR	0.003	1.667	-1.664		
100	A109_Unbiased_LDR	0.003	0.790	-0.787		
100	A110_Unbiased_LDR	0.003	1.648	-1.645		
100	A111_Unbiased_LDR	0.003	2.003	-2.000		
100	A112_Unbiased_LDR	0.002	0.193	-0.191		
100	A113_Unbiased_LDR	0.003	2.167	-2.164		
100	B27_Unbiased_LDR	0.002	18.546	-18.544		
100	B29_Unbiased_LDR	0.003	1.936	-1.933		
100	B30_Unbiased_LDR	0.003	2.245	-2.242		
100	B31_Unbiased_LDR	0.003	1.921	-1.918		
100	B32_Unbiased_LDR	0.002	1.589	-1.587		
100	B33_Unbiased_LDR	0.003	2.596	-2.593		
100	B34_Unbiased_LDR	0.003	1.523	-1.520		
100	B35_Unbiased_LDR	0.003	0.946	-0.943		
100	C32_Unbiased_LDR	0.002	2.143	-2.141		
100	C33_Unbiased_LDR	0.003	2.034	-2.031		
100	C34_Unbiased_LDR	0.002	1.145	-1.143		
100	C35_Unbiased_LDR	0.003	0.517	-0.514		
100	C36_Unbiased_LDR	0.003	1.304	-1.301		
100	C37_Unbiased_LDR	0.003	2.155	-2.152		
100	C38_Unbiased_LDR	0.003	2.521	-2.518		
	Max	1.247	18.546	0.001		
	Average	0.013	1.766	-1.753		
	Min	0.000	0.002	-18.544		
	Std Dev	0.118	2.080	2.085		

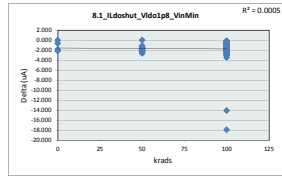


8.0_Ildoshat_Vldo2p5_VmMin			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	100 uA		
Min Limit	0 uA		
LL	0.000	0.000	0.000
Min	0.002	0.002	0.080
Average	1.397	1.457	1.807
Max	2.131	2.627	18.546
UL	100.000	100.000	100.000

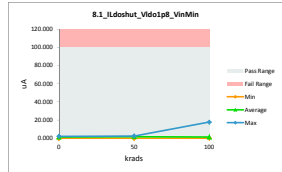


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

8.1_ILdosshut_Vldo1p8_VmMin						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	uA		uA			
Max Limit	100		100			
Min Limit	0		0			
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	0.003	1.878	-1.875		
50	A128_Biased_HDR	0.000	2.128	-2.128	-2.143	0.684
50	A129_Biased_HDR	0.000	1.141	-1.141		
50	B48_Biased_HDR	0.000	2.553	-2.553		
50	B49_Biased_HDR	0.000	2.143	-2.143		
50	C51_Biased_HDR	0.000	2.596	-2.596		
50	A130_Unbiased_HDR	0.000	2.213	-2.213	-2.178	0.807
50	A131_Unbiased_HDR	0.000	2.182	-2.182		
50	B50_Unbiased_HDR	0.000	2.077	-2.077		
50	B51_Unbiased_HDR	0.000	2.030	-2.030		
50	C53_Unbiased_HDR	0.000	2.178	-2.178		
0	106_Corr	0.003	2.178	-2.175		
100	A132_Biased_HDR	0.000	1.363	-1.363	-1.375	1.151
100	A134_Biased_HDR	0.000	14.052	-14.052		
100	A135_Biased_HDR	0.000	0.883	-0.883		
100	B52_Biased_HDR	0.000	1.632	-1.632		
100	B54_Biased_HDR	0.000	1.254	-1.254		
100	B55_Biased_HDR	0.000	1.328	-1.328		
100	B56_Biased_HDR	0.000	0.883	-0.883		
100	B57_Biased_HDR	0.000	1.722	-1.722		
100	B59_Biased_HDR	0.000	1.238	-1.238		
100	B62_Biased_HDR	0.000	1.745	-1.745		
100	B63_Biased_HDR	0.000	1.671	-1.671		
100	B64_Biased_HDR	0.000	1.835	-1.835		
100	B66_Biased_HDR	0.000	1.223	-1.223		
100	B68_Biased_HDR	0.000	1.663	-1.663		
100	C54_Biased_HDR	0.000	1.765	-1.765		
100	C55_Biased_HDR	0.000	1.386	-1.386		
100	C56_Biased_HDR	0.000	0.891	-0.891		
100	C57_Biased_HDR	0.000	1.035	-1.035		
100	C58_Biased_HDR	0.000	1.632	-1.632		
100	C59_Biased_HDR	0.000	0.813	-0.813		
100	C45_Biased_HDR	0.001	0.965	-0.964		
100	C67_Biased_HDR	0.000	1.741	-1.741		
100	A122_Unbiased_HDR	0.000	1.195	-1.195	-1.211	0.910
100	A138_Unbiased_HDR	0.000	1.074	-1.074		
100	A139_Unbiased_HDR	0.000	-0.641	-0.641		
100	B60_Unbiased_HDR	0.000	1.238	-1.238		
100	B61_Unbiased_HDR	0.000	0.946	-0.946		
100	B69_Unbiased_HDR	0.000	1.090	-1.090		
100	B70_Unbiased_HDR	0.000	1.410	-1.410		
100	B71_Unbiased_HDR	0.000	1.441	-1.441		
100	B72_Unbiased_HDR	0.000	2.245	-2.245		
100	B73_Unbiased_HDR	0.000	2.026	-2.026		
100	B74_Unbiased_HDR	0.000	1.554	-1.554		
100	B77_Unbiased_HDR	0.000	0.883	-0.883		
100	B78_Unbiased_HDR	0.000	0.989	-0.989		
100	B79_Unbiased_HDR	0.000	0.872	-0.872		
100	B80_Unbiased_HDR	0.000	1.698	-1.698		
100	C70_Unbiased_HDR	0.000	0.723	-0.723		
100	C71_Unbiased_HDR	0.000	1.648	-1.648		
100	C72_Unbiased_HDR	0.001	1.332	-1.331		
100	C73_Unbiased_HDR	0.000	1.121	-1.121		
100	C75_Unbiased_HDR	0.000	1.656	-1.656		
100	C76_Unbiased_HDR	0.000	1.226	-1.226		
100	C79_Unbiased_HDR	0.001	1.020	-1.019		
0	158_Corr	0.002	0.002	0.000		
50	A92_Biased_LDR	0.003	1.635	-1.632	-1.465	
50	A93_Biased_LDR	0.002	1.608	-1.606		
50	B12_Biased_LDR	0.003	0.002	0.001		
50	B13_Biased_LDR	0.003	1.468	-1.465		
50	C14_Biased_LDR	0.003	1.411	-1.138		
50	A95_Unbiased_LDR	0.003	1.791	-1.788	-1.757	
50	B96_Unbiased_LDR	0.003	1.744	-1.741		
50	B95_Unbiased_LDR	0.003	1.760	-1.757		
50	B16_Unbiased_LDR	0.002	2.005	-2.003		
50	C15_Unbiased_LDR	0.003	1.577	-1.574		
0	106_Corr	1.243	1.893	-0.650		
100	A99_Biased_LDR	0.003	3.446	-3.443	-1.583	
100	A99_Biased_LDR	0.003	1.172	-1.169		
100	A100_Biased_LDR	0.003	2.639	-2.636		
100	A101_Biased_LDR	0.002	2.092	-2.090		
100	A102_Biased_LDR	0.003	2.139	-2.136		
100	A104_Biased_LDR	0.003	0.193	-0.190		
100	A105_Biased_LDR	0.003	1.344	-1.341		
100	B71_Biased_LDR	0.003	1.390	-1.387		
100	B18_Biased_LDR	0.002	2.884	-2.882		
100	B19_Biased_LDR	0.003	1.531	-1.528		
100	B20_Biased_LDR	0.003	2.982	-2.979		
100	B21_Biased_LDR	0.003	1.250	-1.247		
100	B24_Biased_LDR	0.002	1.145	-1.143		
100	B25_Biased_LDR	0.003	0.825	-0.822		
100	B26_Biased_LDR	0.003	1.640	-1.637		
100	C16_Biased_LDR	0.003	2.209	-2.206		
100	C17_Biased_LDR	0.002	0.833	-0.831		
100	C18_Biased_LDR	0.003	2.826	-2.823		
100	C19_Biased_LDR	0.002	2.513	-2.511		
100	C25_Biased_LDR	0.002	0.591	-0.589		
100	C26_Biased_LDR	0.002	2.968	-2.966		
100	C31_Biased_LDR	0.002	0.357	-0.355		
100	A107_Unbiased_LDR	0.003	0.138	-0.135	-1.102	
100	A108_Unbiased_LDR	0.003	1.527	-1.524		
100	A109_Unbiased_LDR	0.003	0.669	-0.666		
100	A110_Unbiased_LDR	0.002	1.067	-1.065		
100	A111_Unbiased_LDR	0.002	0.374	-0.374		
100	A112_Unbiased_LDR	0.002	1.468	-1.466		
100	A113_Unbiased_LDR	0.002	1.067	-1.065		
100	B27_Unbiased_LDR	0.002	17.902	-17.900		
100	B29_Unbiased_LDR	0.002	0.411	-0.409		
100	B30_Unbiased_LDR	0.002	0.786	-0.784		
100	B31_Unbiased_LDR	0.003	1.500	-1.497		
100	B32_Unbiased_LDR	0.002	1.827	-1.825		
100	B33_Unbiased_LDR	0.003	1.141	-1.138		
100	B34_Unbiased_LDR	0.003	0.708	-0.705		
100	B35_Unbiased_LDR	0.002	2.358	-2.356		
100	C30_Unbiased_LDR	0.002	0.501	-0.499		
100	C33_Unbiased_LDR	0.003	2.256	-2.253		
100	C34_Unbiased_LDR	0.002	1.164	-1.162		
100	C35_Unbiased_LDR	0.003	1.063	-1.060		
100	C36_Unbiased_LDR	0.002	2.272	-2.270		
100	C37_Unbiased_LDR	0.002	1.242	-1.240		
100	C38_Unbiased_LDR	0.003	0.517	-0.514		
	Max	1.243	17.902	0.001		
	Average	0.012	1.728	-1.716		
	Min	0.000	0.002	-17.900		
	Std Dev	0.117	2.059	2.062		

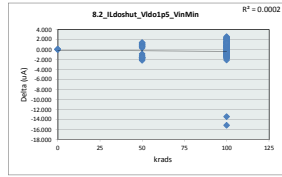


8.1_ILdosshut_Vldo1p8_VmMin						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Max Limit	100 uA		100 uA			
Min Limit	0 uA		0 uA			
LL	0.000	0.000	0.000			
Min	0.002	0.002	0.138			
Average	1.488	1.799	1.723			
Max	2.178	2.596	17.902			
UL	100.000	100.000	100.000			

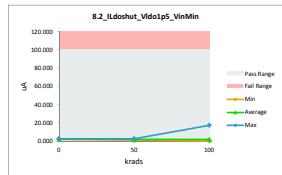


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

8.2_Ildoshat_Vldo1p5_VmMin						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	uA		uA			
Max Limit	100		100			
Min Limit	0		0			
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	2.506	2.443	0.043		
50	A120_Biased_HDR	0.021	1.578	-1.557	-1.576	-0.627
50	A120_Unbiased_HDR	0.419	1.995	-1.576		
50	B48_Biased_HDR	0.236	1.854	-1.618		
50	B49_Unbiased_HDR	0.673	1.523	-0.850		
50	C31_Biased_HDR	0.412	2.295	-1.883		
50	A130_Unbiased_HDR	0.213	1.893	-1.680	-1.680	-0.384
50	A131_Unbiased_HDR	0.556	1.773	-1.217		
50	B50_Unbiased_HDR	0.326	2.506	-2.180		
50	B51_Unbiased_HDR	0.287	2.038	-1.751		
50	C53_Unbiased_HDR	0.552	2.032	-1.480		
0	106_Corr	2.506	2.514	-0.008		
100	A132_Biased_HDR	0.252	1.215	-0.963	-0.963	-0.675
100	A134_Biased_HDR	0.400	13.822	-13.422		
100	A135_Biased_HDR	0.158	1.542	-1.384		
100	B82_Biased_HDR	0.100	0.899	-0.799		
100	B84_Biased_HDR	0.146	1.199	-1.053		
100	B85_Biased_HDR	0.131	0.825	-0.694		
100	B86_Biased_HDR	0.236	1.406	-1.170		
100	B87_Biased_HDR	0.275	1.008	-0.733		
100	B89_Biased_HDR	0.575	0.376	0.199		
100	B82_Unbiased_HDR	0.080	1.437	-1.357		
100	B83_Unbiased_HDR	0.185	1.783	-1.598		
100	B84_Unbiased_HDR	0.497	1.663	-1.166		
100	B86_Unbiased_HDR	0.310	1.273	-0.963		
100	B88_Unbiased_HDR	0.456	1.246	-0.760		
100	C54_Biased_HDR	0.466	0.852	-0.386		
100	C55_Biased_HDR	0.564	1.769	-1.205		
100	C56_Biased_HDR	0.384	1.008	-0.624		
100	C57_Biased_HDR	0.575	1.936	-1.361		
100	C58_Biased_HDR	0.719	0.879	-0.160		
100	C59_Biased_HDR	0.622	1.379	-0.757		
100	C65_Biased_HDR	0.548	1.195	-0.647		
100	C67_Biased_HDR	0.318	1.808	-1.490		
100	A122_Unbiased_HDR	0.443	1.402	-0.959	-1.007	-1.054
100	A136_Unbiased_HDR	0.026	1.527	-1.501		
100	A139_Unbiased_HDR	0.178	0.463	-0.463		
100	B60_Unbiased_HDR	0.388	1.238	-0.850		
100	B63_Unbiased_HDR	0.076	1.156	-1.080		
100	B69_Unbiased_HDR	0.388	0.977	-0.589		
100	B70_Unbiased_HDR	0.076	1.808	-1.732		
100	B71_Unbiased_HDR	0.497	1.710	-1.213		
100	B72_Unbiased_HDR	0.478	1.858	-1.380		
100	B73_Unbiased_HDR	0.256	2.365	-2.109		
100	B74_Unbiased_HDR	0.419	1.566	-1.147		
100	B77_Unbiased_HDR	0.466	1.535	-1.069		
100	B78_Unbiased_HDR	0.388	1.441	-1.053		
100	B79_Unbiased_HDR	0.443	1.886	-1.443		
100	B80_Unbiased_HDR	0.341	1.492	-1.151		
100	C70_Unbiased_HDR	0.521	0.716	-0.195		
100	C71_Unbiased_HDR	0.677	1.461	-0.784		
100	C72_Unbiased_HDR	0.770	0.844	-0.074		
100	C73_Unbiased_HDR	0.645	1.605	-0.960		
100	C75_Unbiased_HDR	0.727	1.148	-0.421		
100	C76_Unbiased_HDR	0.396	0.922	-0.526		
100	C79_Unbiased_HDR	0.556	1.285	-0.729		
0	108_Corr	2.102	2.102	0.000		
50	A92_Biased_LDR	2.416	1.433	0.983	0.988	
50	A93_Biased_LDR	2.268	1.433	0.835	0.835	
50	B12_Biased_LDR	2.701	1.713	0.988		
50	B13_Biased_LDR	2.475	1.246	1.229		
50	C14_Biased_LDR	2.416	1.075	1.341		
50	A95_Unbiased_LDR	2.860	1.487	1.373	0.645	
50	A96_Unbiased_LDR	2.502	1.842	0.660		
50	B15_Unbiased_LDR	2.027	1.882	0.645		
50	B16_Unbiased_LDR	2.152	1.787	0.365		
50	C15_Unbiased_LDR	2.460	0.927	0.533		
0	106_Corr	1.951	1.882	0.069		
100	A97_Biased_LDR	2.455	1.999	0.456	0.650	
100	A99_Biased_LDR	2.627	2.186	0.441		
100	A100_Biased_LDR	2.736	0.762	1.974		
100	A101_Biased_LDR	2.311	0.700	1.611		
100	A102_Biased_LDR	2.627	2.404	0.223		
100	A104_Biased_LDR	2.895	0.517	2.378		
100	A105_Biased_LDR	2.627	0.419	2.208		
100	B17_Biased_LDR	2.483	1.932	0.551		
100	B18_Biased_LDR	2.374	1.975	0.399		
100	B19_Biased_LDR	2.557	1.769	0.788		
100	B20_Biased_LDR	2.802	0.981	1.821		
100	B21_Biased_LDR	2.782	1.273	1.509		
100	B24_Biased_LDR	2.272	0.891	1.381		
100	B25_Biased_LDR	2.697	1.948	0.749		
100	B26_Biased_LDR	2.599	0.056	2.543		
100	C16_Biased_LDR	2.475	0.974	-0.499		
100	C17_Biased_LDR	2.459	1.944	0.515		
100	C18_Biased_LDR	2.483	3.333	-0.850		
100	C19_Biased_LDR	2.492	0.446	1.986		
100	C25_Biased_LDR	2.210	2.787	-0.577		
100	C26_Biased_LDR	2.363	2.389	-0.066		
100	C31_Biased_LDR	2.327	2.588	-0.261		
100	A107_Unbiased_LDR	2.475	1.398	1.077		
100	A108_Unbiased_LDR	2.139	1.239	0.433	1.061	
100	A109_Unbiased_LDR	2.712	0.735	1.977		
100	A110_Unbiased_LDR	2.276	0.700	1.576		
100	A111_Unbiased_LDR	2.502	0.130	2.372		
100	A112_Unbiased_LDR	2.413	2.923	-0.510		
100	A113_Unbiased_LDR	2.514	1.644	0.870		
100	B27_Unbiased_LDR	2.261	17.399	-15.138		
100	B29_Unbiased_LDR	2.494	2.369	0.125		
100	B30_Unbiased_LDR	2.599	0.392	2.207		
100	B31_Unbiased_LDR	2.642	1.461	1.181		
100	B32_Unbiased_LDR	2.471	1.839	0.632		
100	B33_Unbiased_LDR	2.747	1.762	1.045		
100	B34_Unbiased_LDR	2.506	1.051	1.455		
100	B35_Unbiased_LDR	2.545	1.285	1.260		
100	C32_Unbiased_LDR	2.428	1.858	0.570		
100	C33_Unbiased_LDR	2.296	1.671	0.625		
100	C34_Unbiased_LDR	2.136	0.813	1.323		
100	C35_Unbiased_LDR	2.405	1.878	0.527		
100	C36_Unbiased_LDR	2.455	0.552	1.903		
100	C37_Unbiased_LDR	2.467	1.527	0.940		
100	C38_Unbiased_LDR	2.518	1.141	1.377		
	Max	2.895	17.399	2.543		
	Average	1.466	1.767	-0.301		
	Min	0.021	0.056	-15.138		
	Std Dev	1.064	1.990	2.238		

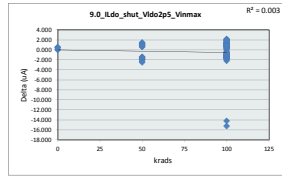


8.2_Ildoshat_Vldo1p5_VmMin			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	100 uA		
Min Limit	0 uA		
LL	0.000	0.000	0.000
Min	1.882	1.075	0.056
Average	2.240	1.740	1.752
Max	2.514	2.506	17.399
UL	100.000	100.000	100.000

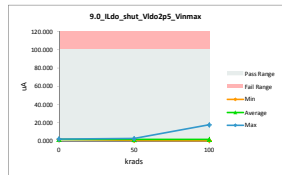


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

9.0_Ildo_shut_Vldo2p5_Vinmax						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	uA		uA			
Max Limit	100		100			
Min Limit	0		0			
krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	2.584	2.143	0.441		
50	A126_Biased_HDR	0.391	2.229	-1.838	-1.876	-0.673
50	A126_Unbiased_HDR	0.168	1.531	-1.423		
50	B48_Biased_HDR	0.251	2.131	-1.880		
50	B49_Unbiased_HDR	0.248	2.752	-2.504		
50	C51_Biased_HDR	0.119	1.995	-1.876		
50	A130_Unbiased_HDR	0.115	1.831	-1.716	-1.615	-0.578
50	A133_Unbiased_HDR	0.123	2.334	-2.211		
50	B50_Unbiased_HDR	0.126	1.546	-1.420		
50	B51_Unbiased_HDR	0.021	1.636	-1.615		
50	C53_Unbiased_HDR	0.108	1.566	-1.458		
0	106_Corr	2.592	2.011	0.581		
100	A132_Biased_HDR	0.139	1.355	-1.216	-1.445	-0.535
100	A134_Biased_HDR	0.088	14.267	-14.179		
100	A135_Biased_HDR	0.138	1.141	-1.003		
100	B82_Biased_HDR	0.283	1.347	-1.064		
100	B84_Biased_HDR	0.154	1.854	-1.700		
100	B85_Biased_HDR	0.002	1.398	-1.396		
100	B86_Biased_HDR	0.014	1.769	-1.755		
100	B87_Biased_HDR	0.099	1.714	-1.615		
100	B89_Biased_HDR	0.026	1.535	-1.509		
100	B82_Unbiased_HDR	0.041	1.191	-1.150		
100	B84_Unbiased_HDR	0.092	1.886	-1.794		
100	B84_Biased_HDR	0.173	1.589	-1.416		
100	B86_Biased_HDR	0.251	1.726	-1.475		
100	B86_Unbiased_HDR	0.142	1.745	-1.603		
100	C54_Biased_HDR	0.314	1.480	-1.166		
100	C55_Biased_HDR	0.260	1.117	-0.857		
100	C56_Biased_HDR	0.026	0.493	-0.467		
100	C57_Biased_HDR	0.158	1.765	-1.607		
100	C58_Biased_HDR	0.162	1.156	-0.994		
100	C59_Biased_HDR	0.045	1.340	-1.295		
100	C45_Unbiased_HDR	0.166	1.679	-1.513		
100	C67_Biased_HDR	0.283	1.897	-1.614		
100	A122_Unbiased_HDR	0.033	1.145	-1.112	-1.240	-0.727
100	A138_Unbiased_HDR	0.088	1.375	-1.287		
100	A139_Unbiased_HDR	0.110	0.808	-0.698		
100	B60_Unbiased_HDR	0.228	1.371	-1.143		
100	B61_Unbiased_HDR	0.228	1.800	-1.572		
100	B62_Unbiased_HDR	0.228	1.858	-1.630		
100	B70_Unbiased_HDR	0.228	1.332	-1.104		
100	B71_Unbiased_HDR	0.045	1.247	-1.202		
100	B72_Unbiased_HDR	0.146	1.324	-1.178		
100	B73_Unbiased_HDR	0.010	2.143	-2.133		
100	B74_Unbiased_HDR	0.080	1.597	-1.517		
100	B77_Unbiased_HDR	0.056	1.148	-1.092		
100	B78_Unbiased_HDR	0.006	1.741	-1.735		
100	B79_Unbiased_HDR	0.002	1.714	-1.712		
100	B80_Unbiased_HDR	0.083	1.722	-1.639		
100	C70_Unbiased_HDR	0.084	0.493	-0.409		
100	C71_Unbiased_HDR	0.065	1.457	-1.392		
100	C72_Unbiased_HDR	0.178	1.609	-1.431		
100	C73_Unbiased_HDR	0.006	1.316	-1.310		
100	C75_Unbiased_HDR	0.002	1.195	-1.193		
100	C76_Unbiased_HDR	0.080	0.708	-0.628		
100	C79_Unbiased_HDR	0.224	1.133	-0.909		
0	108_Corr	1.873	1.873	0.000		
50	A92_Biased_LDR	2.389	1.678	0.711	1.263	
50	A93_Biased_LDR	2.802	1.312	1.470		
50	B12_Biased_LDR	2.595	1.355	1.240		
50	B13_Biased_LDR	2.389	1.126	1.263		
50	C14_Biased_LDR	2.280	0.946	1.334		
50	A95_Unbiased_LDR	2.634	1.441	1.193	0.933	
50	B96_Unbiased_LDR	2.580	1.647	0.933		
50	B15_Unbiased_LDR	2.560	1.647	0.913		
50	B16_Unbiased_LDR	2.498	1.931	0.567		
50	C15_Unbiased_LDR	2.902	1.888	1.015		
0	106_Corr	1.904	1.765	0.139		
100	A97_Biased_LDR	2.669	1.936	0.733	0.774	
100	A99_Biased_LDR	2.603	1.862	0.741		
100	A100_Biased_LDR	2.841	0.676	2.165		
100	A101_Biased_LDR	2.413	2.116	0.297		
100	A102_Biased_LDR	2.666	1.312	1.354		
100	A104_Biased_LDR	2.806	2.085	0.721		
100	A105_Biased_LDR	2.782	2.174	0.608		
100	B71_Biased_LDR	2.568	1.691	0.877		
100	B18_Biased_LDR	2.704	1.597	1.107		
100	B19_Biased_LDR	2.560	1.148	1.412		
100	B20_Biased_LDR	2.739	1.617	1.122		
100	B21_Biased_LDR	2.611	1.940	0.671		
100	B24_Biased_LDR	2.436	2.646	-0.210		
100	B25_Biased_LDR	2.560	1.804	0.756		
100	B26_Biased_LDR	2.778	1.277	1.501		
100	C16_Biased_LDR	2.560	2.494	0.066		
100	C17_Biased_LDR	2.673	1.215	1.458		
100	C18_Biased_LDR	2.907	2.116	0.791		
100	C19_Biased_LDR	2.724	0.571	2.153		
100	C25_Biased_LDR	2.370	1.835	0.535		
100	C26_Biased_LDR	2.533	3.208	-0.675		
100	C31_Biased_LDR	2.440	1.051	1.389		
100	A107_Unbiased_LDR	2.697	0.797	1.900	0.901	
100	A108_Unbiased_LDR	2.603	2.260	0.343		
100	A109_Unbiased_LDR	2.701	1.402	1.299		
100	A110_Unbiased_LDR	2.521	1.749	0.772		
100	A111_Unbiased_LDR	2.666	0.973	1.693		
100	A112_Unbiased_LDR	2.436	1.644	0.792		
100	A113_Unbiased_LDR	2.942	1.492	1.450		
100	B27_Unbiased_LDR	2.624	17.828	-15.194		
100	B29_Unbiased_LDR	2.463	1.683	0.780		
100	B85_Unbiased_LDR	2.467	1.652	0.815		
100	B31_Unbiased_LDR	2.767	1.574	1.193		
100	B32_Unbiased_LDR	2.268	1.620	0.648		
100	B33_Unbiased_LDR	2.841	0.827	1.014		
100	B34_Unbiased_LDR	2.588	1.987	0.601		
100	B35_Unbiased_LDR	2.876	1.035	1.841		
100	C30_Unbiased_LDR	2.300	1.414	0.886		
100	C33_Unbiased_LDR	2.883	1.796	1.087		
100	C34_Unbiased_LDR	2.214	0.396	1.818		
100	C35_Unbiased_LDR	2.662	0.665	1.997		
100	C36_Unbiased_LDR	2.685	1.796	0.889		
100	C37_Unbiased_LDR	2.370	1.613	0.757		
100	C38_Unbiased_LDR	2.432	1.519	0.913		
0	Max	2.942	17.828	2.165		
0	Average	1.397	1.831	-0.434		
0	Min	0.002	0.396	-15.194		
0	Std Dev	1.241	1.996	2.313		

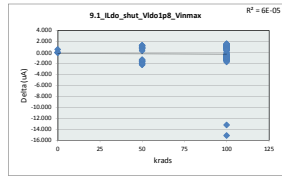


9.0_Ildo_shut_Vldo2p5_Vinmin			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	100 uA		
Min Limit	0 uA		
LL	0.000	0.000	0.000
Min	1.765	0.946	0.396
Average	1.948	1.727	1.850
Max	2.143	2.752	17.828
UL	100.000	100.000	100.000

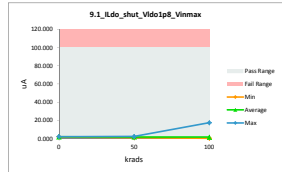


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

9.1_Ildo_shut_VldoIps_Vinmax						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	uA		uA			
Max Limit	100		100			
Min Limit	0		0			
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Rate
0	374_Corr	2.502	1.944	0.558		
50	A120_Biased_HDR	0.096	2.358	-2.262	-1.923	-0.639
50	A120_Unbiased_HDR	0.583	1.979	-1.396		
50	B48_Biased_HDR	0.161	2.303	-2.142		
50	B49_Biased_HDR	0.263	2.198	-1.935		
50	C51_Biased_HDR	0.380	1.979	-1.599		
50	A130_Unbiased_HDR	0.404	2.011	-1.607	-1.607	-0.505
50	A131_Unbiased_HDR	0.162	1.601	-1.439		
50	B50_Unbiased_HDR	0.236	1.932	-1.696		
50	B51_Unbiased_HDR	0.244	2.295	-2.051		
50	C53_Unbiased_HDR	0.478	1.736	-1.258		
0	Ips_Corr	2.111	2.202	-0.031		
100	A132_Biased_HDR	0.267	1.418	-1.151	-1.147	-0.777
100	A134_Biased_HDR	0.217	13.448	-13.231		
100	A135_Biased_HDR	0.021	1.554	-1.533		
100	B82_Biased_HDR	0.236	1.379	-1.143		
100	B84_Biased_HDR	0.205	1.617	-1.412		
100	B85_Biased_HDR	0.057	0.992	-0.935		
100	B86_Biased_HDR	0.084	1.558	-1.474		
100	B87_Biased_HDR	0.201	1.605	-1.404		
100	B89_Biased_HDR	0.451	1.067	-0.616		
100	B82_Biased_HDR	0.271	1.199	-0.928		
100	B83_Biased_HDR	0.435	1.808	-1.373		
100	B84_Biased_HDR	0.357	1.238	-0.881		
100	B86_Biased_HDR	0.092	1.507	-1.415		
100	B88_Biased_HDR	0.185	1.577	-1.412		
100	C54_Biased_HDR	0.536	1.839	-1.303		
100	C55_Biased_HDR	0.318	1.207	-0.889		
100	C56_Biased_HDR	0.365	1.008	-0.643		
100	C57_Biased_HDR	0.525	1.511	-0.986		
100	C58_Biased_HDR	0.104	1.441	-1.337		
100	C59_Biased_HDR	0.322	1.289	-0.967		
100	C65_Biased_HDR	0.396	0.946	-0.550		
100	C67_Biased_HDR	0.645	1.102	-0.457		
100	A122_Unbiased_HDR	0.182	1.566	-1.384	-0.807	-1.363
100	A126_Unbiased_HDR	0.127	1.180	-1.053		
100	A129_Unbiased_HDR	0.197	1.164	-0.967		
100	B80_Unbiased_HDR	0.127	1.425	-1.298		
100	B83_Unbiased_HDR	0.447	0.985	-0.538		
100	B84_Unbiased_HDR	0.127	1.187	-1.060		
100	B80_Unbiased_HDR	0.447	1.082	-0.635		
100	B71_Unbiased_HDR	0.501	0.950	-0.449		
100	B72_Unbiased_HDR	0.431	1.203	-0.772		
100	B73_Unbiased_HDR	0.205	1.917	-1.712		
100	B74_Unbiased_HDR	0.490	1.340	-0.850		
100	B77_Unbiased_HDR	0.166	1.098	-0.932		
100	B78_Unbiased_HDR	0.135	1.301	-1.166		
100	B79_Unbiased_HDR	0.681	1.117	-0.436		
100	B80_Unbiased_HDR	0.443	1.316	-0.873		
100	C70_Unbiased_HDR	0.287	0.938	-0.651		
100	C71_Unbiased_HDR	0.669	1.280	-0.611		
100	C72_Unbiased_HDR	0.575	0.794	-0.219		
100	C73_Unbiased_HDR	0.536	1.035	-0.499		
100	C75_Unbiased_HDR	0.474	1.316	-0.842		
100	C76_Unbiased_HDR	0.384	0.782	-0.398		
100	C79_Unbiased_HDR	0.458	0.442	0.016		
0	Ips_Corr	1.982	1.982	0.000		
50	A92_Biased_LDR	2.397	1.674	0.723	1.229	
50	A93_Biased_LDR	2.483	1.294	1.229		
50	B12_Biased_LDR	2.697	1.667	1.030		
50	B13_Biased_LDR	2.510	1.273	1.237		
50	C14_Biased_LDR	2.619	1.340	1.279		
50	A95_Unbiased_LDR	2.416	1.604	0.812	0.812	
50	A96_Unbiased_LDR	2.494	1.647	0.847		
50	B15_Unbiased_LDR	2.518	1.542	0.976		
50	B16_Unbiased_LDR	2.564	1.877	0.687		
50	C15_Unbiased_LDR	2.331	0.206	2.295		
0	Ips_Corr	1.912	1.944	-0.032		
100	A97_Biased_LDR	2.346	1.539	0.807	0.891	
100	A99_Biased_LDR	2.689	1.636	1.053		
100	A100_Biased_LDR	2.669	1.792	0.877		
100	A101_Biased_LDR	2.533	2.073	0.460		
100	A102_Biased_LDR	2.623	1.765	0.858		
100	A104_Biased_LDR	2.880	1.800	1.080		
100	A108_Biased_LDR	2.611	1.535	1.076		
100	B17_Biased_LDR	2.413	1.437	0.976		
100	B18_Biased_LDR	2.354	1.940	0.414		
100	B19_Biased_LDR	2.397	1.492	0.905		
100	B20_Biased_LDR	2.755	1.441	1.314		
100	B21_Biased_LDR	2.658	1.464	1.194		
100	B24_Biased_LDR	2.444	1.698	0.746		
100	B25_Biased_LDR	2.708	1.511	1.197		
100	B26_Biased_LDR	2.611	1.386	1.225		
100	C16_Biased_LDR	2.548	1.870	0.698		
100	C17_Biased_LDR	2.630	1.425	1.205		
100	C18_Biased_LDR	2.829	2.057	0.772		
100	C19_Biased_LDR	2.831	1.973	0.858		
100	C25_Biased_LDR	2.148	1.488	0.660		
100	C26_Biased_LDR	2.253	1.917	0.336		
100	C31_Biased_LDR	2.506	1.644	0.862		
100	A107_Unbiased_LDR	2.619	1.355	1.264	1.100	
100	A108_Unbiased_LDR	2.475	1.496	0.979		
100	A109_Unbiased_LDR	2.568	1.433	1.135		
100	A110_Unbiased_LDR	2.424	1.531	0.893		
100	A111_Unbiased_LDR	2.697	1.706	0.991		
100	A112_Unbiased_LDR	2.506	1.355	1.151		
100	A113_Unbiased_LDR	2.545	1.601	0.944		
100	B27_Unbiased_LDR	2.296	17.419	-15.123		
100	B29_Unbiased_LDR	2.673	1.304	1.369		
100	B30_Unbiased_LDR	2.697	1.223	1.474		
100	B31_Unbiased_LDR	2.666	1.581	1.085		
100	B32_Unbiased_LDR	2.619	1.730	0.889		
100	B33_Unbiased_LDR	2.607	1.578	1.029		
100	B34_Unbiased_LDR	2.739	1.558	1.181		
100	B35_Unbiased_LDR	2.689	1.574	1.115		
100	C32_Unbiased_LDR	2.296	1.535	0.761		
100	C33_Unbiased_LDR	2.533	1.812	0.721		
100	C34_Unbiased_LDR	2.475	1.148	1.327		
100	C35_Unbiased_LDR	2.681	1.176	1.505		
100	C36_Unbiased_LDR	2.568	1.324	1.244		
100	C37_Unbiased_LDR	2.424	1.913	0.511		
100	C38_Unbiased_LDR	2.704	1.094	1.610		
0	Max	2.880	17.419	1.610		
0	Average	1.459	1.754	-0.295		
0	Min	0.021	0.442	-15.123		
0	Std Dev	1.117	1.906	2.177		

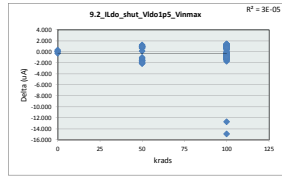


9.1_Ildo_shut_VldoIps_Vinmax			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	100 uA		
Min Limit	0 uA		
LL	0.000	0.000	0.000
Min	1.944	1.254	0.442
Average	2.018	1.817	1.728
Max	2.202	2.358	17.419
UL	100.000	100.000	100.000

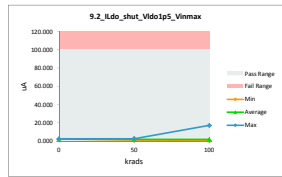


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

9.2_Ildo_shut_VldoIps_Vinmax						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	uA		uA			
Max Limit	100		100			
Min Limit	0		0			
Krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	2.486	2.139	0.347		
50	A128_Biased_HDR	0.513	2.580	-2.067	-1.814	-0.520
50	A129_Biased_HDR	0.493	2.135	-1.642		
50	B48_Biased_HDR	0.010	2.120	-2.110		
50	B49_Biased_HDR	0.197	2.011	-1.814		
50	C51_Biased_HDR	0.583	2.135	-1.552		
50	A130_Unbiased_HDR	0.431	1.617	-1.186	-1.486	-0.599
50	A131_Unbiased_HDR	0.640	2.170	-1.540		
50	B50_Unbiased_HDR	0.302	1.788	-1.486		
50	B51_Unbiased_HDR	0.248	2.229	-1.981		
50	C53_Unbiased_HDR	0.681	1.714	-1.033		
0	I06_Corr	2.440	2.381	0.059		
100	A132_Biased_HDR	0.221	1.956	-1.735	-1.087	-0.902
100	A134_Biased_HDR	0.560	13.245	-12.685		
100	A135_Biased_HDR	0.010	1.449	-1.439		
100	B82_Biased_HDR	0.299	1.344	-1.045		
100	B84_Biased_HDR	0.525	1.706	-1.181		
100	B85_Biased_HDR	0.419	1.269	-0.850		
100	B86_Biased_HDR	0.213	1.644	-1.431		
100	B87_Biased_HDR	0.221	1.117	-0.896		
100	B89_Biased_HDR	0.295	1.133	-0.838		
100	B82_Unbiased_HDR	0.130	1.055	-0.925		
100	B84_Unbiased_HDR	0.447	1.057	-1.010		
100	B84_Biased_HDR	0.209	1.550	-1.341		
100	B86_Biased_HDR	0.022	1.433	-1.411		
100	B86_Unbiased_HDR	0.408	1.546	-1.138		
100	C54_Biased_HDR	0.544	1.823	-1.279		
100	C55_Biased_HDR	0.412	1.585	-1.173		
100	C56_Biased_HDR	0.419	0.755	-0.336		
100	C57_Biased_HDR	0.642	1.550	-0.908		
100	C58_Biased_HDR	0.591	1.285	-0.694		
100	C59_Biased_HDR	0.528	1.656	-1.128		
100	C45_Unbiased_HDR	0.591	0.661	-0.070		
100	C67_Biased_HDR	0.583	1.028	-0.445		
100	A122_Unbiased_HDR	0.400	1.550	-1.150	-0.838	-1.080
100	A138_Unbiased_HDR	0.267	1.203	-0.936		
100	A139_Unbiased_HDR	0.166	1.454	-1.454		
100	B60_Unbiased_HDR	0.392	1.289	-0.897		
100	B61_Unbiased_HDR	0.603	0.809	-0.206		
100	B62_Unbiased_HDR	0.392	1.137	-0.737		
100	B70_Unbiased_HDR	0.603	1.137	-0.534		
100	B71_Unbiased_HDR	0.493	1.336	-0.843		
100	B72_Unbiased_HDR	0.154	1.016	-0.862		
100	B73_Unbiased_HDR	0.154	1.500	-1.346		
100	B74_Unbiased_HDR	0.454	1.112	-0.658		
100	B77_Unbiased_HDR	0.408	1.035	-0.627		
100	B78_Unbiased_HDR	0.302	1.172	-0.870		
100	B79_Unbiased_HDR	0.790	1.312	-0.522		
100	B80_Unbiased_HDR	0.279	1.355	-1.076		
100	C70_Unbiased_HDR	0.314	0.712	-0.398		
100	C71_Unbiased_HDR	0.521	1.444	-0.823		
100	C72_Unbiased_HDR	0.579	1.020	-0.441		
100	C73_Unbiased_HDR	0.517	1.351	-0.834		
100	C75_Unbiased_HDR	0.895	1.336	-0.441		
100	C76_Unbiased_HDR	0.248	1.125	-0.877		
100	C79_Unbiased_HDR	0.918	1.020	-0.102		
0	I08_Corr	2.025	2.025	0.000		
50	A92_Biased_LDR	2.521	1.546	0.975	0.944	
50	A93_Biased_LDR	2.486	1.655	0.831		
50	B12_Biased_LDR	2.642	1.698	0.944		
50	B13_Biased_LDR	2.405	1.740	0.665		
50	C14_Biased_LDR	2.311	1.079	1.232		
50	A95_Unbiased_LDR	2.794	1.655	1.139	0.890	
50	B96_Unbiased_LDR	2.335	1.648	0.711		
50	B15_Unbiased_LDR	2.580	1.612	0.968		
50	B16_Unbiased_LDR	2.350	2.211	0.139		
50	C15_Unbiased_LDR	2.479	1.580	0.899		
0	I06_Corr	1.713	1.932	-0.259		
100	A99_Biased_LDR	2.323	1.523	0.800	0.979	
100	A100_Biased_LDR	2.638	1.554	1.084		
100	A101_Biased_LDR	2.537	1.523	1.014		
100	A101_Unbiased_LDR	2.179	1.414	0.765		
100	A102_Biased_LDR	2.424	2.291	0.133		
100	A104_Biased_LDR	2.802	1.757	1.045		
100	A105_Biased_LDR	2.564	1.652	0.912		
100	B71_Biased_LDR	2.389	1.679	0.710		
100	B18_Biased_LDR	2.389	1.952	0.437		
100	B19_Biased_LDR	2.272	1.535	0.737		
100	B20_Biased_LDR	2.642	1.679	0.963		
100	B21_Biased_LDR	2.681	1.461	1.220		
100	B24_Biased_LDR	2.300	1.695	0.605		
100	B25_Biased_LDR	2.358	1.191	1.167		
100	B26_Biased_LDR	2.537	1.589	0.948		
100	C16_Biased_LDR	2.222	1.226	0.996		
100	C17_Biased_LDR	2.611	1.328	1.283		
100	C18_Biased_LDR	2.611	1.172	1.439		
100	C19_Biased_LDR	2.413	1.289	1.124		
100	C25_Biased_LDR	2.440	1.137	1.303		
100	C26_Biased_LDR	2.354	1.429	0.925		
100	C31_Biased_LDR	2.405	1.269	1.136		
100	A107_Unbiased_LDR	2.455	1.422	1.033	0.905	
100	A108_Unbiased_LDR	2.405	1.336	1.069		
100	A109_Unbiased_LDR	2.494	1.176	1.318		
100	A110_Unbiased_LDR	2.440	1.691	0.749		
100	A111_Unbiased_LDR	2.642	1.519	1.123		
100	A112_Unbiased_LDR	2.171	1.531	0.640		
100	A113_Unbiased_LDR	2.339	1.640	0.699		
100	B27_Unbiased_LDR	2.210	17.157	-14.947		
100	B29_Unbiased_LDR	2.323	1.554	0.769		
100	B30_Unbiased_LDR	2.311	1.484	0.827		
100	B31_Unbiased_LDR	2.693	1.242	1.451		
100	B32_Unbiased_LDR	2.300	1.765	0.535		
100	B33_Unbiased_LDR	2.529	1.390	1.139		
100	B34_Unbiased_LDR	2.346	1.492	0.854		
100	B35_Unbiased_LDR	2.397	1.449	0.948		
100	C32_Unbiased_LDR	2.409	1.808	0.601		
100	C33_Unbiased_LDR	2.525	1.527	0.998		
100	C34_Unbiased_LDR	2.342	1.359	0.983		
100	C35_Unbiased_LDR	2.448	1.082	1.366		
100	C36_Unbiased_LDR	2.444	1.433	1.011		
100	C37_Unbiased_LDR	2.366	1.503	0.863		
100	C38_Unbiased_LDR	2.331	1.529	0.792		
0	Max	2.802	17.157	1.451		
0	Average	1.454	1.748	-0.295		
0	Min	0.010	0.661	-14.947		
0	Std Dev	1.028	1.875	2.106		

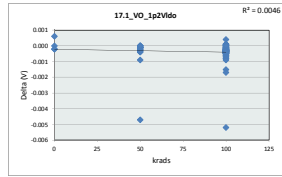


9.2_Ildo_shut_VldoIps_Vinmax			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	100 uA		
Min Limit	0 uA		
LL	0.000	0.000	0.000
Min	1.972	1.079	0.661
Average	2.129	1.845	1.709
Max	2.381	2.580	17.157
UL	100.000	100.000	100.000

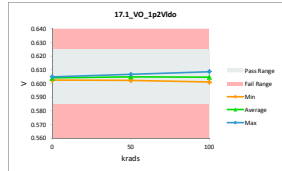


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

17.1_VO_1p2Vldo						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	V		V			
Max Limit	0.625		0.625			
Min Limit	0.585		0.585			
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	0.605	0.604	0.001		
50	A128_Biased_HDR	0.606	0.606	0.000	0.000	1.999
50	A129_Biased_HDR	0.607	0.607	0.000		
50	B48_Biased_HDR	0.603	0.604	0.000		
50	B49_Biased_HDR	0.605	0.606	0.000		
50	C31_Biased_HDR	0.607	0.607	0.000		
50	A130_Unbiased_HDR	0.603	0.603	0.000	0.000	0.500
50	A131_Unbiased_HDR	0.604	0.604	0.000		
50	B50_Unbiased_HDR	0.605	0.605	0.000		
50	B51_Unbiased_HDR	0.601	0.606	-0.005		
50	C53_Unbiased_HDR	0.605	0.605	0.000		
0	106_Corr	0.605	0.605	0.000		
100	A132_Biased_HDR	0.605	0.606	-0.001	0.000	1.600
100	A134_Biased_HDR	0.602	0.604	-0.002		
100	A135_Biased_HDR	0.604	0.604	0.000		
100	B82_Biased_HDR	0.601	0.602	0.000		
100	B84_Biased_HDR	0.604	0.604	0.000		
100	B85_Biased_HDR	0.604	0.605	-0.001		
100	B86_Biased_HDR	0.606	0.607	-0.001		
100	B87_Biased_HDR	0.607	0.607	0.000		
100	B89_Biased_HDR	0.602	0.603	-0.001		
100	B82_Biased_HDR	0.605	0.606	0.000		
100	B83_Biased_HDR	0.605	0.605	0.000		
100	B84_Biased_HDR	0.607	0.607	0.000		
100	B86_Biased_HDR	0.605	0.605	0.000		
100	B88_Biased_HDR	0.605	0.605	0.000		
100	C54_Biased_HDR	0.604	0.603	0.000		
100	C55_Biased_HDR	0.604	0.604	0.000		
100	C56_Biased_HDR	0.606	0.606	0.000		
100	C57_Biased_HDR	0.605	0.605	0.000		
100	C58_Biased_HDR	0.604	0.604	0.000		
100	C59_Biased_HDR	0.606	0.606	0.000		
100	C45_Biased_HDR	0.604	0.604	0.000		
100	C47_Biased_HDR	0.606	0.606	0.000		
100	A132_Unbiased_HDR	0.606	0.606	0.000	0.000	1.750
100	A138_Unbiased_HDR	0.605	0.606	0.000		
100	A139_Unbiased_HDR	0.604	0.604	0.000		
100	B60_Unbiased_HDR	0.604	0.609	-0.005		
100	B63_Unbiased_HDR	0.605	0.606	-0.001		
100	B69_Unbiased_HDR	0.604	0.604	0.000		
100	B70_Unbiased_HDR	0.605	0.605	0.000		
100	B71_Unbiased_HDR	0.603	0.603	0.000		
100	B72_Unbiased_HDR	0.604	0.605	0.000		
100	B73_Unbiased_HDR	0.603	0.603	0.000		
100	B74_Unbiased_HDR	0.602	0.602	0.000		
100	B77_Unbiased_HDR	0.604	0.604	0.000		
100	B78_Unbiased_HDR	0.604	0.604	0.000		
100	B79_Unbiased_HDR	0.604	0.604	0.000		
100	B80_Unbiased_HDR	0.604	0.604	0.000		
100	C70_Unbiased_HDR	0.602	0.602	0.000		
100	C71_Unbiased_HDR	0.605	0.605	0.000		
100	C72_Unbiased_HDR	0.605	0.605	0.000		
100	C73_Unbiased_HDR	0.603	0.604	0.000		
100	C75_Unbiased_HDR	0.605	0.605	0.000		
100	C76_Unbiased_HDR	0.608	0.608	0.000		
100	C79_Unbiased_HDR	0.606	0.606	0.000		
0	108_Corr	0.603	0.603	0.000		
50	A92_Biased_LDR	0.606	0.606	0.000	0.000	
50	A93_Biased_LDR	0.606	0.606	0.000		
50	B12_Biased_LDR	0.603	0.603	0.000		
50	B13_Biased_LDR	0.604	0.604	0.000		
50	C14_Biased_LDR	0.605	0.605	0.000		
50	A95_Unbiased_LDR	0.602	0.602	0.000	0.000	
50	A96_Unbiased_LDR	0.605	0.605	0.000		
50	B15_Unbiased_LDR	0.606	0.606	0.000		
50	B16_Unbiased_LDR	0.604	0.604	0.000		
50	C15_Unbiased_LDR	0.606	0.607	-0.001		
0	108_Corr	0.605	0.605	0.000		
100	A97_Biased_LDR	0.604	0.605	0.000	0.000	
100	A99_Biased_LDR	0.605	0.605	0.000		
100	A100_Biased_LDR	0.602	0.603	-0.001		
100	A101_Biased_LDR	0.605	0.605	0.000		
100	A102_Biased_LDR	0.606	0.606	0.000		
100	A104_Biased_LDR	0.605	0.605	-0.001		
100	A105_Biased_LDR	0.603	0.603	0.000		
100	B17_Biased_LDR	0.605	0.605	0.000		
100	B18_Biased_LDR	0.601	0.601	0.000		
100	B19_Biased_LDR	0.603	0.603	0.000		
100	B20_Biased_LDR	0.605	0.606	-0.001		
100	B21_Biased_LDR	0.605	0.605	0.000		
100	B24_Biased_LDR	0.603	0.603	0.000		
100	B25_Biased_LDR	0.604	0.604	0.000		
100	B26_Biased_LDR	0.602	0.602	0.000		
100	C16_Biased_LDR	0.606	0.606	-0.001		
100	C17_Biased_LDR	0.605	0.605	0.000		
100	C18_Biased_LDR	0.606	0.607	-0.001		
100	C19_Biased_LDR	0.605	0.605	0.000		
100	C25_Biased_LDR	0.604	0.605	-0.001		
100	C26_Biased_LDR	0.605	0.605	0.000		
100	C31_Biased_LDR	0.607	0.607	0.000		
100	A107_Unbiased_LDR	0.605	0.606	0.000	0.000	
100	A108_Unbiased_LDR	0.605	0.605	-0.001		
100	A109_Unbiased_LDR	0.606	0.606	0.000		
100	A110_Unbiased_LDR	0.606	0.606	0.000		
100	A111_Unbiased_LDR	0.605	0.605	0.000		
100	A112_Unbiased_LDR	0.606	0.606	0.000		
100	A113_Unbiased_LDR	0.606	0.606	0.000		
100	B27_Unbiased_LDR	0.603	0.604	-0.002		
100	B29_Unbiased_LDR	0.605	0.605	0.000		
100	B30_Unbiased_LDR	0.604	0.604	0.000		
100	B31_Unbiased_LDR	0.605	0.605	0.000		
100	B32_Unbiased_LDR	0.605	0.605	0.000		
100	B33_Unbiased_LDR	0.603	0.604	-0.001		
100	B34_Unbiased_LDR	0.603	0.604	0.000		
100	B35_Unbiased_LDR	0.603	0.603	0.000		
100	C32_Unbiased_LDR	0.604	0.604	0.000		
100	C33_Unbiased_LDR	0.605	0.605	0.000		
100	C34_Unbiased_LDR	0.604	0.605	0.000		
100	C35_Unbiased_LDR	0.604	0.604	0.000		
100	C36_Unbiased_LDR	0.606	0.606	0.000		
100	C37_Unbiased_LDR	0.603	0.604	-0.001		
100	C38_Unbiased_LDR	0.605	0.605	0.000		
	Max	0.608	0.609	0.001		
	Average	0.604	0.605	0.000		
	Min	0.601	0.601	-0.001		
	Std Dev	0.001	0.001	0.001		

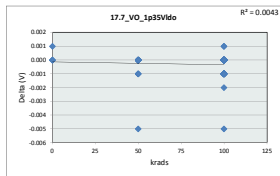


17.1_VO_1p2Vldo			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	0.625 V		
Min Limit	0.585 V		
LL	0.585	0.585	0.585
Min	0.603	0.602	0.601
Average	0.604	0.605	0.605
Max	0.605	0.607	0.609
UL	0.625	0.625	0.625

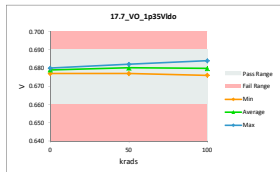


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

17.7_VO_1p35Vldo						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Unit	V		V			
Max Limit	0.69		0.69			
Min Limit	0.66		0.66			
Krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	0.680	0.679	0.001	0.000	
50	A128_Biased_HDR	0.681	0.681	0.000	0.000	#DIV/0!
50	A128_Unbiased_HDR	0.682	0.682	0.000	0.000	
50	B48_Biased_HDR	0.678	0.679	-0.001		
50	B48_Unbiased_HDR	0.680	0.681	-0.001		
50	C51_Biased_HDR	0.682	0.682	0.000		
50	C51_Unbiased_HDR	0.678	0.678	0.000	0.000	#DIV/0!
50	B50_Biased_HDR	0.680	0.680	0.000		
50	B50_Unbiased_HDR	0.680	0.680	0.000		
50	B51_Biased_HDR	0.676	0.681	-0.005		
50	B51_Unbiased_HDR	0.680	0.680	0.000		
0	106_Corr	0.680	0.680	0.000	0.000	
100	A132_Biased_HDR	0.680	0.681	-0.001	0.000	#DIV/0!
100	A132_Unbiased_HDR	0.677	0.679	-0.002		
100	A135_Biased_HDR	0.679	0.680	-0.001		
100	B82_Biased_HDR	0.676	0.677	-0.001		
100	B84_Biased_HDR	0.679	0.679	0.000		
100	B85_Biased_HDR	0.680	0.680	0.000		
100	B86_Biased_HDR	0.681	0.682	-0.001		
100	B87_Biased_HDR	0.682	0.682	0.000		
100	B89_Biased_HDR	0.677	0.678	-0.001		
100	B82_Biased_HDR	0.680	0.681	-0.001		
100	B84_Biased_HDR	0.680	0.680	0.000		
100	B84_Biased_HDR	0.682	0.682	0.000		
100	B86_Biased_HDR	0.680	0.680	0.000		
100	B86_Biased_HDR	0.680	0.680	0.000		
100	C54_Biased_HDR	0.679	0.678	0.001		
100	C55_Biased_HDR	0.679	0.679	0.000		
100	C56_Biased_HDR	0.681	0.681	0.000		
100	C57_Biased_HDR	0.680	0.680	0.000		
100	C58_Biased_HDR	0.679	0.679	0.000		
100	C59_Biased_HDR	0.681	0.681	0.000		
100	C45_Biased_HDR	0.679	0.680	-0.001		
100	C47_Biased_HDR	0.681	0.681	0.000		
100	A122_Unbiased_HDR	0.681	0.682	-0.001	0.000	#DIV/0!
100	A138_Unbiased_HDR	0.680	0.681	-0.001		
100	A139_Unbiased_HDR	0.679	0.680	-0.001		
100	B60_Unbiased_HDR	0.679	0.684	-0.005		
100	B61_Unbiased_HDR	0.680	0.681	-0.001		
100	B62_Unbiased_HDR	0.679	0.679	0.000		
100	B70_Unbiased_HDR	0.680	0.680	0.000		
100	B71_Unbiased_HDR	0.678	0.678	0.000		
100	B72_Unbiased_HDR	0.680	0.680	0.000		
100	B73_Unbiased_HDR	0.678	0.678	0.000		
100	B74_Unbiased_HDR	0.677	0.677	0.000		
100	B77_Unbiased_HDR	0.679	0.679	0.000		
100	B78_Unbiased_HDR	0.679	0.679	0.000		
100	B79_Unbiased_HDR	0.679	0.679	0.000		
100	B80_Unbiased_HDR	0.679	0.679	0.000		
100	C70_Unbiased_HDR	0.677	0.677	0.000		
100	C71_Unbiased_HDR	0.680	0.681	-0.001		
100	C72_Unbiased_HDR	0.680	0.680	0.000		
100	C73_Unbiased_HDR	0.678	0.679	-0.001		
100	C75_Unbiased_HDR	0.680	0.680	0.000		
100	C76_Unbiased_HDR	0.683	0.683	0.000		
100	C79_Unbiased_HDR	0.681	0.681	0.000		
0	158_Corr	0.677	0.677	0.000	0.000	
50	A92_Biased_LDR	0.681	0.681	0.000	0.000	
50	A92_Unbiased_LDR	0.681	0.681	0.000		
50	B12_Biased_LDR	0.678	0.678	0.000		
50	B13_Biased_LDR	0.679	0.679	0.000		
50	C14_Biased_LDR	0.680	0.680	0.000		
50	A95_Unbiased_LDR	0.677	0.677	0.000	0.000	
50	B96_Unbiased_LDR	0.680	0.680	0.000		
50	B15_Unbiased_LDR	0.681	0.681	0.000		
50	B16_Unbiased_LDR	0.679	0.679	0.000		
50	C15_Unbiased_LDR	0.681	0.682	-0.001		
0	106_Corr	0.680	0.680	0.000	0.000	
100	A99_Biased_LDR	0.680	0.680	0.000	0.000	
100	A100_Biased_LDR	0.677	0.678	-0.001		
100	A101_Biased_LDR	0.680	0.680	0.000		
100	A102_Biased_LDR	0.681	0.681	0.000		
100	A104_Biased_LDR	0.680	0.680	0.000		
100	A105_Biased_LDR	0.678	0.678	0.000		
100	B71_Biased_LDR	0.680	0.680	0.000		
100	B18_Biased_LDR	0.676	0.676	0.000		
100	B19_Biased_LDR	0.678	0.678	0.000		
100	B20_Biased_LDR	0.680	0.681	-0.001		
100	B21_Biased_LDR	0.680	0.680	0.000		
100	B24_Biased_LDR	0.678	0.678	0.000		
100	B25_Biased_LDR	0.679	0.679	0.000		
100	B26_Biased_LDR	0.677	0.677	0.000		
100	C16_Biased_LDR	0.681	0.681	0.000		
100	C17_Biased_LDR	0.680	0.680	0.000		
100	C18_Biased_LDR	0.681	0.682	-0.001		
100	C19_Biased_LDR	0.680	0.680	0.000		
100	C25_Biased_LDR	0.680	0.680	0.000		
100	C26_Biased_LDR	0.680	0.681	-0.001		
100	C31_Biased_LDR	0.682	0.682	0.000		
100	A107_Unbiased_LDR	0.680	0.681	-0.001	0.000	
100	A108_Unbiased_LDR	0.680	0.681	-0.001		
100	A109_Unbiased_LDR	0.681	0.681	0.000		
100	A110_Unbiased_LDR	0.681	0.681	0.000		
100	A111_Unbiased_LDR	0.680	0.680	0.000		
100	A112_Unbiased_LDR	0.681	0.681	0.000		
100	A113_Unbiased_LDR	0.681	0.681	0.000		
100	B27_Unbiased_LDR	0.678	0.679	-0.001		
100	B29_Unbiased_LDR	0.680	0.680	0.000		
100	B30_Unbiased_LDR	0.679	0.679	0.000		
100	B31_Unbiased_LDR	0.680	0.680	0.000		
100	B32_Unbiased_LDR	0.680	0.680	0.000		
100	B33_Unbiased_LDR	0.678	0.679	-0.001		
100	B34_Unbiased_LDR	0.678	0.679	-0.001		
100	B35_Unbiased_LDR	0.678	0.678	0.000		
100	C32_Unbiased_LDR	0.679	0.679	0.000		
100	C33_Unbiased_LDR	0.680	0.680	0.000		
100	C34_Unbiased_LDR	0.679	0.680	-0.001		
100	C35_Unbiased_LDR	0.679	0.679	0.000		
100	C36_Unbiased_LDR	0.681	0.681	0.000		
100	C37_Unbiased_LDR	0.678	0.679	-0.001		
100	C38_Unbiased_LDR	0.680	0.680	0.000		
Max		0.683	0.684	0.001		
Average		0.680	0.680	0.000		
Min		0.676	0.676	-0.005		
Std Dev		0.001	0.001	0.001		

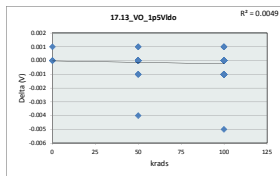


17.7_VO_1p35Vldo			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	0.69 V		
Min Limit	0.66 V		
LL	0.660	0.660	0.660
Min	0.677	0.677	0.676
Average	0.679	0.680	0.680
Max	0.680	0.682	0.684
UL	0.690	0.690	0.690

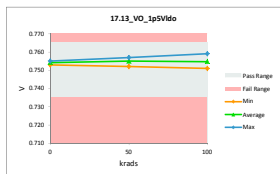


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

17_13_V0_1p5VIdo						
Test Site	Dallas, Tx		Dallas, Tx			
Tester	ETS		ETS			
Test Number	EF636800		EF636800			
Part	V		V			
Max Limit	0.765		0.765			
Min Limit	0.735		0.735			
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	0.755	0.754	0.001	0.000	
50	A120_Biased_HDR	0.756	0.756	0.000	0.000	#DIV/0!
50	A120_Unbiased_HDR	0.757	0.757	0.000	0.000	
50	B48_Biased_HDR	0.753	0.754	-0.001		
50	B49_Unbiased_HDR	0.755	0.756	-0.001		
50	C51_Biased_HDR	0.757	0.756	0.001		
50	A130_Unbiased_HDR	0.753	0.753	0.000	0.000	#DIV/0!
50	A131_Unbiased_HDR	0.755	0.754	0.001		
50	B50_Unbiased_HDR	0.755	0.755	0.000		
50	B51_Unbiased_HDR	0.752	0.756	-0.004		
50	C53_Unbiased_HDR	0.755	0.755	0.000		
0	106_Corr	0.755	0.755	0.000		
100	A132_Biased_HDR	0.755	0.756	-0.001	0.000	#DIV/0!
100	A134_Biased_HDR	0.753	0.754	-0.001		
100	A135_Biased_HDR	0.754	0.755	-0.001		
100	B62_Biased_HDR	0.752	0.752	0.000		
100	B64_Biased_HDR	0.754	0.754	0.000		
100	B55_Biased_HDR	0.755	0.755	0.000		
100	B56_Biased_HDR	0.756	0.757	-0.001		
100	B57_Biased_HDR	0.757	0.757	0.000		
100	B59_Biased_HDR	0.752	0.753	-0.001		
100	B62_Biased_HDR	0.756	0.756	0.000		
100	B63_Biased_HDR	0.755	0.755	0.000		
100	B64_Biased_HDR	0.757	0.756	0.001		
100	B66_Biased_HDR	0.755	0.755	0.000		
100	B68_Biased_HDR	0.755	0.755	0.000		
100	C54_Biased_HDR	0.754	0.753	0.001		
100	C55_Biased_HDR	0.754	0.754	0.000		
100	C56_Biased_HDR	0.756	0.756	0.000		
100	C57_Biased_HDR	0.755	0.755	0.000		
100	C58_Biased_HDR	0.754	0.754	0.000		
100	C59_Biased_HDR	0.756	0.756	0.000		
100	C65_Biased_HDR	0.754	0.754	0.000		
100	C67_Biased_HDR	0.756	0.756	0.000		
100	A122_Unbiased_HDR	0.756	0.756	0.000	0.000	#DIV/0!
100	A123_Unbiased_HDR	0.755	0.756	-0.001		
100	A124_Unbiased_HDR	0.754	0.754	0.000		
100	B60_Unbiased_HDR	0.754	0.759	-0.005		
100	B63_Unbiased_HDR	0.755	0.756	-0.001		
100	B64_Unbiased_HDR	0.754	0.754	0.000		
100	B70_Unbiased_HDR	0.755	0.755	0.000		
100	B71_Unbiased_HDR	0.754	0.753	0.001		
100	B72_Unbiased_HDR	0.755	0.755	0.000		
100	B73_Unbiased_HDR	0.753	0.753	0.000		
100	B74_Unbiased_HDR	0.752	0.752	0.000		
100	B77_Unbiased_HDR	0.754	0.754	0.000		
100	B78_Unbiased_HDR	0.754	0.754	0.000		
100	B79_Unbiased_HDR	0.754	0.754	0.000		
100	B80_Unbiased_HDR	0.754	0.754	0.000		
100	C70_Unbiased_HDR	0.752	0.752	0.000		
100	C71_Unbiased_HDR	0.755	0.755	0.000		
100	C72_Unbiased_HDR	0.755	0.755	0.000		
100	C73_Unbiased_HDR	0.753	0.754	-0.001		
100	C75_Unbiased_HDR	0.755	0.755	0.000		
100	C76_Unbiased_HDR	0.758	0.758	0.000		
100	C79_Unbiased_HDR	0.756	0.756	0.000		
0	106_Corr	0.753	0.753	0.000		
50	A92_Biased_LDR	0.756	0.756	0.000	0.000	
50	A93_Biased_LDR	0.756	0.756	0.000		
50	B12_Biased_LDR	0.753	0.753	0.000		
50	B13_Biased_LDR	0.754	0.754	0.000		
50	C14_Biased_LDR	0.755	0.755	0.000		
50	A95_Unbiased_LDR	0.752	0.752	0.000	0.000	
50	A96_Unbiased_LDR	0.755	0.755	0.000		
50	B15_Unbiased_LDR	0.756	0.756	0.000		
50	B16_Unbiased_LDR	0.754	0.754	0.000		
50	C15_Unbiased_LDR	0.756	0.757	-0.001		
0	106_Corr	0.755	0.755	0.000		
100	A97_Biased_LDR	0.755	0.755	0.000	0.000	
100	A99_Biased_LDR	0.755	0.755	0.000		
100	A100_Biased_LDR	0.752	0.752	0.000		
100	A101_Biased_LDR	0.755	0.755	0.000		
100	A102_Biased_LDR	0.756	0.756	0.000		
100	A104_Biased_LDR	0.755	0.755	0.000		
100	A105_Biased_LDR	0.753	0.753	0.000		
100	B17_Biased_LDR	0.755	0.755	0.000		
100	B18_Biased_LDR	0.751	0.751	0.000		
100	B19_Biased_LDR	0.753	0.753	0.000		
100	B20_Biased_LDR	0.755	0.756	-0.001		
100	B21_Biased_LDR	0.755	0.755	0.000		
100	B24_Biased_LDR	0.753	0.753	0.000		
100	B25_Biased_LDR	0.754	0.754	0.000		
100	B26_Biased_LDR	0.752	0.752	0.000		
100	C16_Biased_LDR	0.756	0.756	0.000		
100	C17_Biased_LDR	0.755	0.755	0.000		
100	C18_Biased_LDR	0.756	0.757	-0.001		
100	C19_Biased_LDR	0.755	0.755	0.000		
100	C25_Biased_LDR	0.755	0.755	0.000		
100	C26_Biased_LDR	0.755	0.755	0.000		
100	C31_Biased_LDR	0.757	0.757	0.000		
100	A107_Unbiased_LDR	0.755	0.756	-0.001	0.000	
100	A108_Unbiased_LDR	0.755	0.755	-0.001		
100	A109_Unbiased_LDR	0.756	0.756	0.000		
100	A110_Unbiased_LDR	0.756	0.756	0.000		
100	A111_Unbiased_LDR	0.755	0.755	0.000		
100	A112_Unbiased_LDR	0.756	0.756	0.000		
100	A113_Unbiased_LDR	0.756	0.756	0.000		
100	B27_Unbiased_LDR	0.753	0.754	-0.001		
100	B29_Unbiased_LDR	0.755	0.755	0.000		
100	B30_Unbiased_LDR	0.754	0.754	0.000		
100	B31_Unbiased_LDR	0.755	0.755	0.000		
100	B32_Unbiased_LDR	0.755	0.755	0.000		
100	B33_Unbiased_LDR	0.753	0.754	-0.001		
100	B34_Unbiased_LDR	0.753	0.754	-0.001		
100	B35_Unbiased_LDR	0.753	0.753	0.000		
100	C32_Unbiased_LDR	0.754	0.754	0.000		
100	C33_Unbiased_LDR	0.755	0.755	0.000		
100	C34_Unbiased_LDR	0.754	0.755	-0.001		
100	C35_Unbiased_LDR	0.753	0.753	-0.001		
100	C36_Unbiased_LDR	0.756	0.756	0.000		
100	C37_Unbiased_LDR	0.753	0.754	-0.001		
100	C38_Unbiased_LDR	0.755	0.755	0.000		
	Max	0.758	0.759	0.001		
	Average	0.755	0.755	0.000		
	Min	0.751	0.751	-0.005		
	Std Dev	0.001	0.001	0.001		

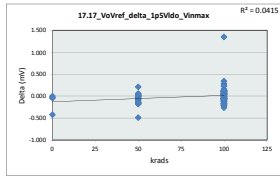


17_13_V0_1p5VIdo				
Test Site	Dallas, Tx		Dallas, Tx	
Tester	ETS		ETS	
Test Number	EF636800		EF636800	
Max Limit	0.765		0.765	
Min Limit	0.735		0.735	
LL	0.735	0.735	0.735	
Min	0.753	0.752	0.751	
Average	0.754	0.755	0.755	
Max	0.755	0.757	0.759	
UL	0.765	0.765	0.765	

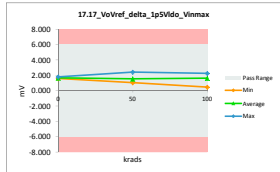


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

17.17_VoVref_delta_1p5VIdo_Vinm						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Part	mV					
Max Limit	6					
Min Limit	-6					
krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	1.567	1.790	-0.423		
50	A126_Biased_HDR	1.104	1.250	-0.146	-0.131	-0.382
50	A126_Unbiased_HDR	1.376	1.507	-0.131		
50	B48_Biased_HDR	1.639	1.724	-0.086		
50	B49_Unbiased_HDR	1.335	1.386	-0.051		
50	C51_Biased_HDR	1.126	1.292	-0.156		
50	A130_Unbiased_HDR	1.590	1.765	-0.175	-0.172	-0.066
50	A133_Unbiased_HDR	1.248	1.430	-0.172		
50	B50_Unbiased_HDR	1.173	1.240	-0.068		
50	B51_Unbiased_HDR	1.468	1.950	-0.482		
50	C53_Unbiased_HDR	0.911	1.044	-0.133		
0	106_Corr	1.597	1.640	-0.043		
100	A132_Biased_HDR	1.011	0.951	0.061	-0.073	0.164
100	A134_Biased_HDR	2.147	2.135	0.022		
100	A135_Biased_HDR	1.675	1.796	-0.121		
100	B82_Biased_HDR	1.504	1.524	-0.020		
100	B84_Biased_HDR	1.637	1.759	-0.122		
100	B85_Biased_HDR	1.669	1.723	-0.053		
100	B86_Biased_HDR	1.186	1.261	-0.075		
100	B87_Biased_HDR	1.016	1.134	-0.118		
100	B89_Biased_HDR	1.883	2.000	-0.117		
100	B82_Unbiased_HDR	1.362	1.533	-0.171		
100	B84_Unbiased_HDR	1.713	1.929	-0.215		
100	B84_Biased_HDR	1.745	1.948	-0.203		
100	B86_Biased_HDR	1.474	1.348	0.127		
100	B86_Unbiased_HDR	1.560	1.747	-0.187		
100	C54_Biased_HDR	1.690	1.648	0.042		
100	C55_Biased_HDR	1.983	2.147	-0.164		
100	C56_Biased_HDR	1.340	1.253	0.088		
100	C57_Biased_HDR	1.703	1.914	-0.211		
100	C58_Biased_HDR	1.797	1.783	0.014		
100	C59_Biased_HDR	1.721	1.791	-0.070		
100	C45_Biased_HDR	1.273	1.151	0.122		
100	C47_Biased_HDR	1.268	1.178	0.110		
100	A122_Unbiased_HDR	1.987	1.919	0.068	0.017	3.104
100	A128_Unbiased_HDR	1.539	1.513	0.027		
100	A139_Unbiased_HDR	1.597	1.590	0.007		
100	B60_Unbiased_HDR	1.789	0.435	1.354		
100	B61_Unbiased_HDR	1.383	1.040	0.343		
100	B62_Unbiased_HDR	1.789	1.658	0.121		
100	B70_Unbiased_HDR	1.383	1.640	-0.258		
100	B71_Unbiased_HDR	1.705	1.754	-0.049		
100	B72_Unbiased_HDR	1.044	1.057	-0.013		
100	B73_Unbiased_HDR	1.660	1.527	0.133		
100	B74_Unbiased_HDR	2.075	2.138	-0.063		
100	B77_Unbiased_HDR	1.214	1.291	-0.077		
100	B78_Unbiased_HDR	1.596	1.763	-0.167		
100	B79_Unbiased_HDR	1.789	1.882	-0.094		
100	B80_Unbiased_HDR	1.688	1.883	-0.195		
100	C70_Unbiased_HDR	1.741	1.633	0.108		
100	C71_Unbiased_HDR	1.460	1.369	0.031		
100	C72_Unbiased_HDR	1.183	1.339	-0.156		
100	C73_Unbiased_HDR	1.481	1.434	0.047		
100	C75_Unbiased_HDR	1.696	1.625	0.071		
100	C76_Unbiased_HDR	0.999	1.163	-0.164		
100	C79_Unbiased_HDR	0.102	0.004	0.128		
0	108_Corr	1.676	1.676	0.000		
50	A92_Biased_LDR	1.119	1.069	0.050	0.050	
50	A93_Biased_LDR	1.627	1.580	0.046		
50	B12_Biased_LDR	2.069	1.858	0.211		
50	B13_Biased_LDR	1.123	1.060	0.063		
50	C14_Biased_LDR	1.554	1.579	-0.025		
50	A95_Unbiased_LDR	1.719	1.725	-0.005	0.011	
50	B96_Unbiased_LDR	2.287	2.287	0.000		
50	B15_Unbiased_LDR	2.433	2.422	0.011		
50	B16_Unbiased_LDR	1.945	1.925	0.020		
50	C15_Unbiased_LDR	1.970	1.951	0.020		
0	106_Corr	1.568	1.594	-0.025		
100	A99_Biased_LDR	1.376	1.384	-0.008	-0.012	
100	A99_Unbiased_LDR	2.099	2.135	-0.016		
100	A100_Biased_LDR	1.446	1.396	0.051		
100	A101_Biased_LDR	1.742	1.815	-0.073		
100	A102_Biased_LDR	1.946	2.136	-0.189		
100	A104_Biased_LDR	1.577	1.456	0.121		
100	A105_Biased_LDR	1.910	1.879	0.031		
100	B71_Biased_LDR	1.733	1.784	-0.051		
100	B18_Biased_LDR	2.339	2.229	0.110		
100	B19_Biased_LDR	1.377	1.396	-0.019		
100	B20_Biased_LDR	1.628	1.42	0.207		
100	B21_Biased_LDR	2.155	2.195	-0.041		
100	B24_Biased_LDR	1.543	1.550	-0.007		
100	B25_Biased_LDR	2.013	1.846	0.167		
100	B26_Biased_LDR	1.343	1.401	-0.058		
100	C16_Biased_LDR	1.978	1.724	0.254		
100	C17_Biased_LDR	1.812	1.926	-0.114		
100	C18_Biased_LDR	1.682	1.452	0.230		
100	C19_Biased_LDR	1.959	1.902	0.057		
100	C25_Biased_LDR	1.553	1.627	-0.073		
100	C26_Biased_LDR	2.066	2.160	-0.093		
100	C31_Biased_LDR	1.600	1.646	-0.046		
100	A107_Unbiased_LDR	1.065	0.956	0.109	0.052	
100	A108_Unbiased_LDR	1.687	1.591	0.096		
100	A109_Unbiased_LDR	1.947	1.942	0.005		
100	A110_Unbiased_LDR	1.814	1.867	-0.054		
100	A111_Unbiased_LDR	2.043	1.943	0.100		
100	A112_Unbiased_LDR	2.040	2.108	-0.069		
100	A113_Unbiased_LDR	1.602	1.523	0.079		
100	B27_Unbiased_LDR	1.633	1.679	-0.046		
100	B29_Unbiased_LDR	1.781	1.671	0.110		
100	B30_Unbiased_LDR	2.044	1.993	0.051		
100	B31_Unbiased_LDR	1.719	1.657	0.062		
100	B32_Unbiased_LDR	1.467	1.413	0.053		
100	B33_Unbiased_LDR	1.344	1.258	0.086		
100	B34_Unbiased_LDR	2.065	1.927	0.138		
100	B35_Unbiased_LDR	1.865	1.785	0.080		
100	C30_Unbiased_LDR	1.527	1.482	0.045		
100	C33_Unbiased_LDR	1.614	1.572	0.042		
100	C34_Unbiased_LDR	1.801	1.820	-0.019		
100	C35_Unbiased_LDR	1.559	1.581	-0.022		
100	C36_Unbiased_LDR	1.455	1.498	-0.042		
100	C37_Unbiased_LDR	1.433	1.298	0.135		
100	C38_Unbiased_LDR	1.573	1.622	-0.050		
Max		2.433	2.422	1.354		
Average		1.603	1.606	-0.003		
Min		0.911	0.435	-0.482		
Std Dev		0.312	0.337	0.182		

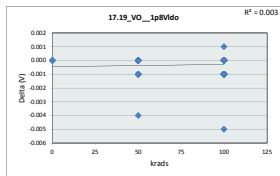


17.17_VoVref_delta_1p5VIdo_Vinmax						
Test Site	Dallas, Tx					
Tester	ETS					
Test Number	EF636800					
Max Limit	6					
Min Limit	-6					
krads	LL	50	100	Min	Average	Max
LL	-6.000	-6.000	-6.000			
Min	1.594	1.044	0.435			
Average	1.675	1.551	1.615			
Max	1.790	2.422	2.229			
UL	6.000	6.000	6.000			

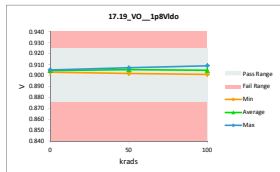


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

17_19_VO_1p8VIdo							
Test Site	Dallas, Tx		Dallas, Tx				
Tester	ETS		ETS				
Test Number	EF636800		EF636800				
Part	V		V				
Max Limit	0.925		0.925				
Min Limit	0.875		0.875				
Krads	Serial #	PreBias_LDR_HDR	PostBias_LDR_HDR	Delta	Delta Median	Delta Median Ratio	
0	374_Corr	0.905	0.905	0.000			
50	A128_Biased_HDR	0.906	0.906	0.000	0.000		#DIV/0!
50	A129_Biased_HDR	0.907	0.907	0.000			
50	B48_Biased_HDR	0.903	0.904	-0.001			
50	B49_Biased_HDR	0.905	0.906	-0.001			
50	C51_Biased_HDR	0.907	0.907	0.000			
50	A130_Unbiased_HDR	0.903	0.903	0.000	0.000		#DIV/0!
50	A131_Unbiased_HDR	0.905	0.905	0.000			
50	B50_Unbiased_HDR	0.905	0.905	0.000			
50	B51_Unbiased_HDR	0.902	0.906	-0.004			
50	C53_Unbiased_HDR	0.905	0.905	0.000			
0	106_Corr	0.905	0.905	0.000			
100	A132_Biased_HDR	0.905	0.906	-0.001	0.000		#DIV/0!
100	A134_Biased_HDR	0.903	0.904	-0.001			
100	A135_Biased_HDR	0.904	0.905	-0.001			
100	B82_Biased_HDR	0.902	0.902	0.000			
100	B84_Biased_HDR	0.904	0.904	0.000			
100	B85_Biased_HDR	0.905	0.905	0.000			
100	B86_Biased_HDR	0.906	0.907	-0.001			
100	B87_Biased_HDR	0.907	0.907	0.000			
100	B89_Biased_HDR	0.903	0.903	0.000			
100	B82_Biased_HDR	0.906	0.906	0.000			
100	B83_Biased_HDR	0.905	0.905	0.000			
100	B84_Biased_HDR	0.907	0.907	0.000			
100	B86_Biased_HDR	0.905	0.905	0.000			
100	B88_Biased_HDR	0.905	0.905	0.000			
100	C54_Biased_HDR	0.904	0.904	0.000			
100	C55_Biased_HDR	0.904	0.904	0.000			
100	C56_Biased_HDR	0.906	0.906	0.000			
100	C57_Biased_HDR	0.905	0.905	0.000			
100	C58_Biased_HDR	0.904	0.904	0.000			
100	C59_Biased_HDR	0.906	0.906	0.000			
100	C45_Biased_HDR	0.904	0.905	-0.001			
100	C47_Biased_HDR	0.906	0.906	0.000			
100	A122_Unbiased_HDR	0.906	0.907	-0.001	0.000		#DIV/0!
100	A138_Unbiased_HDR	0.906	0.906	0.000			
100	A139_Unbiased_HDR	0.904	0.905	-0.001			
100	B60_Unbiased_HDR	0.904	0.909	-0.005			
100	B63_Unbiased_HDR	0.905	0.906	-0.001			
100	B69_Unbiased_HDR	0.904	0.904	0.000			
100	B70_Unbiased_HDR	0.905	0.905	0.000			
100	B71_Unbiased_HDR	0.904	0.904	0.000			
100	B72_Unbiased_HDR	0.905	0.905	0.000			
100	B73_Unbiased_HDR	0.903	0.903	0.000			
100	B74_Unbiased_HDR	0.902	0.902	0.000			
100	B77_Unbiased_HDR	0.905	0.904	0.001			
100	B78_Unbiased_HDR	0.904	0.904	0.000			
100	B79_Unbiased_HDR	0.904	0.904	0.000			
100	B80_Unbiased_HDR	0.904	0.904	0.000			
100	C70_Unbiased_HDR	0.902	0.902	0.000			
100	C71_Unbiased_HDR	0.905	0.905	-0.001			
100	C72_Unbiased_HDR	0.905	0.905	0.000			
100	C73_Unbiased_HDR	0.903	0.904	-0.001			
100	C75_Unbiased_HDR	0.905	0.905	0.000			
100	C76_Unbiased_HDR	0.908	0.908	0.000			
100	C79_Unbiased_HDR	0.906	0.906	0.000			
0	106_Corr	0.903	0.903	0.000			
50	A92_Biased_LDR	0.906	0.907	-0.001	-0.001		
50	A93_Biased_LDR	0.906	0.906	0.000			
50	B12_Biased_LDR	0.903	0.904	-0.001			
50	B13_Biased_LDR	0.904	0.905	-0.001			
50	C14_Biased_LDR	0.905	0.905	0.000			
50	A95_Unbiased_LDR	0.902	0.902	0.000	0.000		
50	A96_Unbiased_LDR	0.905	0.906	-0.001			
50	B15_Unbiased_LDR	0.906	0.906	0.000			
50	B16_Unbiased_LDR	0.904	0.904	0.000			
50	C15_Unbiased_LDR	0.906	0.907	-0.001			
0	106_Corr	0.905	0.905	0.000			
100	A97_Biased_LDR	0.905	0.905	0.000	0.000		
100	A99_Biased_LDR	0.905	0.905	0.000			
100	A100_Biased_LDR	0.902	0.903	-0.001			
100	A101_Biased_LDR	0.905	0.906	-0.001			
100	A102_Biased_LDR	0.906	0.906	0.000			
100	A104_Biased_LDR	0.905	0.906	-0.001			
100	A105_Biased_LDR	0.903	0.903	0.000			
100	B17_Biased_LDR	0.905	0.905	0.000			
100	B18_Biased_LDR	0.901	0.901	0.000			
100	B19_Biased_LDR	0.903	0.904	-0.001			
100	B20_Biased_LDR	0.906	0.906	0.000			
100	B21_Biased_LDR	0.905	0.905	0.000			
100	B24_Biased_LDR	0.903	0.903	0.000			
100	B25_Biased_LDR	0.904	0.904	0.000			
100	B26_Biased_LDR	0.902	0.902	0.000			
100	C16_Biased_LDR	0.906	0.906	0.000			
100	C17_Biased_LDR	0.905	0.905	0.000			
100	C18_Biased_LDR	0.906	0.907	-0.001			
100	C19_Biased_LDR	0.905	0.905	0.000			
100	C25_Biased_LDR	0.905	0.905	0.000			
100	C26_Biased_LDR	0.905	0.906	-0.001			
100	C31_Biased_LDR	0.907	0.907	0.000			
100	A107_Unbiased_LDR	0.906	0.906	0.000	0.000		
100	A108_Unbiased_LDR	0.905	0.905	0.000			
100	A109_Unbiased_LDR	0.906	0.906	0.000			
100	A110_Unbiased_LDR	0.906	0.906	0.000			
100	A111_Unbiased_LDR	0.905	0.905	0.000			
100	A112_Unbiased_LDR	0.906	0.906	0.000			
100	A113_Unbiased_LDR	0.906	0.906	0.000			
100	B27_Unbiased_LDR	0.903	0.904	-0.001			
100	B29_Unbiased_LDR	0.905	0.906	-0.001			
100	B30_Unbiased_LDR	0.904	0.904	0.000			
100	B31_Unbiased_LDR	0.905	0.905	0.000			
100	B32_Unbiased_LDR	0.905	0.905	0.000			
100	B33_Unbiased_LDR	0.904	0.904	0.000			
100	B34_Unbiased_LDR	0.904	0.904	0.000			
100	B35_Unbiased_LDR	0.903	0.903	0.000			
100	C32_Unbiased_LDR	0.904	0.904	0.000			
100	C33_Unbiased_LDR	0.905	0.905	0.000			
100	C34_Unbiased_LDR	0.905	0.905	0.000			
100	C35_Unbiased_LDR	0.904	0.904	0.000			
100	C36_Unbiased_LDR	0.906	0.906	0.000			
100	C37_Unbiased_LDR	0.903	0.904	-0.001			
100	C38_Unbiased_LDR	0.905	0.905	0.000			
	Max	0.908	0.909	0.001			
	Average	0.905	0.905	0.000			
	Min	0.901	0.901	-0.001			
	Std Dev	0.001	0.001	0.001			

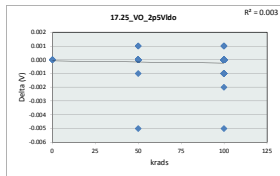


17_19_VO_1p8VIdo			
Test Site	Dallas, Tx		
Tester	ETS		
Test Number	EF636800		
Max Limit	0.925		
Min Limit	0.875		
LL	0.875	0.875	0.875
Min	0.903	0.902	0.901
Average	0.905	0.905	0.905
Max	0.905	0.907	0.909
UL	0.925	0.925	0.925

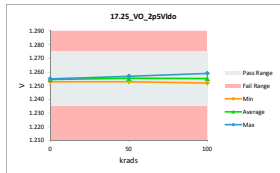


TID ELDERS Sensitivity Report (50k & 100k)
TPS7H3301-SP

17.25_V0_2p5Vldo						
Test Site	Dallas, TX					
Tester	ETS					
Test Number	EF636800					
Part	V					
Max Limit	1.275					
Min Limit	1.235					
Krads	Serial #	PreRad_LDR_HDR	PostRad_LDR_HDR	Delta	Delta Median	Delta Median Ratio
0	374_Corr	1.255	1.255	0.000		
50	A128_Biased_HDR	1.257	1.256	0.001	0.000	#DIV/0!
50	A128_Unbiased_HDR	1.257	1.257	0.000		
50	B48_Biased_HDR	1.254	1.254	0.000		
50	B48_Unbiased_HDR	1.256	1.256	0.000		
50	C51_Biased_HDR	1.257	1.257	0.000		
50	C51_Unbiased_HDR	1.253	1.253	0.000	0.000	#DIV/0!
50	B50_Biased_HDR	1.255	1.255	0.000		
50	B50_Unbiased_HDR	1.255	1.255	0.000		
50	B51_Biased_HDR	1.252	1.257	-0.005		
50	B51_Unbiased_HDR	1.256	1.255	0.001		
0	106_Corr	1.255	1.255	0.000		
100	A132_Biased_HDR	1.255	1.256	-0.001	0.000	#DIV/0!
100	A132_Unbiased_HDR	1.253	1.254	-0.001		
100	A135_Biased_HDR	1.255	1.255	0.000		
100	B82_Biased_HDR	1.252	1.252	0.000		
100	B84_Biased_HDR	1.254	1.254	0.000		
100	B85_Biased_HDR	1.255	1.256	-0.001		
100	B86_Biased_HDR	1.257	1.257	0.000		
100	B87_Biased_HDR	1.257	1.258	-0.001		
100	B89_Biased_HDR	1.253	1.253	0.000		
100	B82_Unbiased_HDR	1.256	1.256	0.000		
100	B84_Unbiased_HDR	1.255	1.255	0.000		
100	B84_Biased_HDR	1.257	1.257	0.000		
100	B86_Unbiased_HDR	1.255	1.255	0.000		
100	B86_Biased_HDR	1.255	1.255	0.000		
100	C54_Biased_HDR	1.254	1.254	0.000		
100	C55_Biased_HDR	1.255	1.255	0.000		
100	C56_Biased_HDR	1.257	1.257	0.000		
100	C57_Biased_HDR	1.255	1.255	0.000		
100	C58_Biased_HDR	1.255	1.255	0.000		
100	C59_Biased_HDR	1.256	1.256	0.000		
100	C45_Biased_HDR	1.255	1.255	0.000		
100	C67_Biased_HDR	1.256	1.256	0.000		
100	A122_Unbiased_HDR	1.257	1.257	0.000	0.000	#DIV/0!
100	A138_Unbiased_HDR	1.256	1.256	0.000		
100	A139_Unbiased_HDR	1.255	1.255	0.000		
100	B60_Unbiased_HDR	1.254	1.259	-0.005		
100	B61_Unbiased_HDR	1.256	1.256	0.000		
100	B62_Unbiased_HDR	1.254	1.254	0.000		
100	B70_Unbiased_HDR	1.256	1.255	0.001		
100	B71_Unbiased_HDR	1.254	1.254	0.000		
100	B72_Unbiased_HDR	1.255	1.255	0.000		
100	B73_Unbiased_HDR	1.253	1.253	0.000		
100	B74_Unbiased_HDR	1.253	1.253	0.000		
100	B77_Unbiased_HDR	1.255	1.255	0.000		
100	B78_Unbiased_HDR	1.255	1.255	0.000		
100	B79_Unbiased_HDR	1.254	1.254	0.000		
100	B80_Unbiased_HDR	1.255	1.254	0.001		
100	C70_Unbiased_HDR	1.253	1.252	0.001		
100	C71_Unbiased_HDR	1.256	1.256	0.000		
100	C72_Unbiased_HDR	1.255	1.255	0.000		
100	C73_Unbiased_HDR	1.254	1.254	0.000		
100	C75_Unbiased_HDR	1.255	1.255	0.000		
100	C76_Unbiased_HDR	1.258	1.258	0.000		
100	C79_Unbiased_HDR	1.257	1.257	0.000		
0	158_Corr	1.253	1.253	0.000		
50	A92_Biased_LDR	1.257	1.257	0.000	0.000	
50	A92_Unbiased_LDR	1.256	1.256	0.000		
50	B12_Biased_LDR	1.254	1.254	0.000		
50	B13_Biased_LDR	1.255	1.255	0.000		
50	C14_Biased_LDR	1.255	1.255	0.000		
50	A95_Unbiased_LDR	1.253	1.253	0.000	0.000	
50	B96_Unbiased_LDR	1.256	1.256	0.000		
50	B15_Unbiased_LDR	1.256	1.256	0.000		
50	B16_Unbiased_LDR	1.254	1.254	0.000		
50	C15_Unbiased_LDR	1.256	1.257	-0.001		
0	106_Corr	1.255	1.255	0.000		
100	A99_Biased_LDR	1.255	1.255	0.000	0.000	
100	A99_Unbiased_LDR	1.255	1.256	-0.001		
100	A100_Biased_LDR	1.252	1.253	-0.001		
100	A101_Biased_LDR	1.256	1.256	0.000		
100	A102_Biased_LDR	1.256	1.256	0.000		
100	A104_Biased_LDR	1.256	1.256	0.000		
100	A105_Biased_LDR	1.253	1.254	-0.001		
100	B71_Unbiased_LDR	1.256	1.256	0.000		
100	B18_Biased_LDR	1.251	1.252	-0.001		
100	B19_Biased_LDR	1.254	1.254	0.000		
100	B20_Biased_LDR	1.256	1.256	0.000		
100	B21_Biased_LDR	1.256	1.256	0.000		
100	B24_Biased_LDR	1.253	1.254	-0.001		
100	B25_Biased_LDR	1.254	1.254	0.000		
100	B26_Biased_LDR	1.252	1.252	0.000		
100	C16_Biased_LDR	1.256	1.257	-0.001		
100	C17_Biased_LDR	1.255	1.255	0.000		
100	C18_Biased_LDR	1.256	1.257	-0.001		
100	C19_Biased_LDR	1.255	1.255	0.000		
100	C25_Biased_LDR	1.255	1.255	0.000		
100	C26_Biased_LDR	1.255	1.256	-0.001		
100	C31_Biased_LDR	1.257	1.257	0.000		
100	A107_Unbiased_LDR	1.256	1.256	0.000	0.000	
100	A108_Unbiased_LDR	1.255	1.255	0.000		
100	A109_Unbiased_LDR	1.256	1.256	0.000		
100	A110_Unbiased_LDR	1.256	1.256	0.000		
100	A111_Unbiased_LDR	1.255	1.256	-0.001		
100	A112_Unbiased_LDR	1.256	1.256	0.000		
100	A113_Unbiased_LDR	1.257	1.257	0.000		
100	B27_Unbiased_LDR	1.253	1.253	0.000		
100	B29_Unbiased_LDR	1.256	1.256	0.000		
100	B30_Unbiased_LDR	1.254	1.254	0.000		
100	B31_Unbiased_LDR	1.255	1.256	-0.001		
100	B32_Unbiased_LDR	1.256	1.256	0.000		
100	B33_Unbiased_LDR	1.254	1.254	0.000		
100	B34_Unbiased_LDR	1.254	1.254	0.000		
100	B35_Unbiased_LDR	1.253	1.253	0.000		
100	C30_Unbiased_LDR	1.254	1.254	0.000		
100	C33_Unbiased_LDR	1.255	1.256	-0.001		
100	C34_Unbiased_LDR	1.255	1.255	0.000		
100	C35_Unbiased_LDR	1.254	1.254	0.000		
100	C36_Unbiased_LDR	1.256	1.257	-0.001		
100	C37_Unbiased_LDR	1.254	1.254	0.000		
100	C38_Unbiased_LDR	1.255	1.256	-0.001		
	Max	1.258	1.259	0.001		
	Average	1.255	1.255	0.000		
	Min	1.251	1.252	-0.001		
	Std Dev	0.001	0.001	0.001		



17.25_V0_2p5Vldo			
Test Site	Dallas, TX		
Tester	ETS		
Test Number	EF636800		
Max Limit	1.275 V		
Min Limit	1.235 V		
Krads	0	50	100
LL	1.235	1.235	1.235
Min	1.253	1.253	1.252
Average	1.255	1.255	1.255
Max	1.255	1.257	1.259
UL	1.275	1.275	1.275



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