



## ABSTRACT

This report discusses the results of the Total Ionizing Dose (TID) testing for the QML Class V certified Texas Instruments 3-V to 7-V, 18-A synchronous step-down converter TPS7H4001-SP. The study was done to determine TID effects under low dose rate (LDR) and high dose rate (HDR) up to 100 krad(Si). The results show that all samples passed within the specified limits up to 100 krad(Si).

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## Trademarks

All trademarks are the property of their respective owners.

## 1 Device Information

### 1.1 Product Description

The TPS7H4001-SP is a radiation-hardness-assured, 3-V to 7-V, 18-A synchronous buck converter with integrated low resistance high-side and low-side MOSFETs in a thermally enhanced 34-pin ceramic flatpack package. High efficiency and reduced component count are achieved through current mode control.

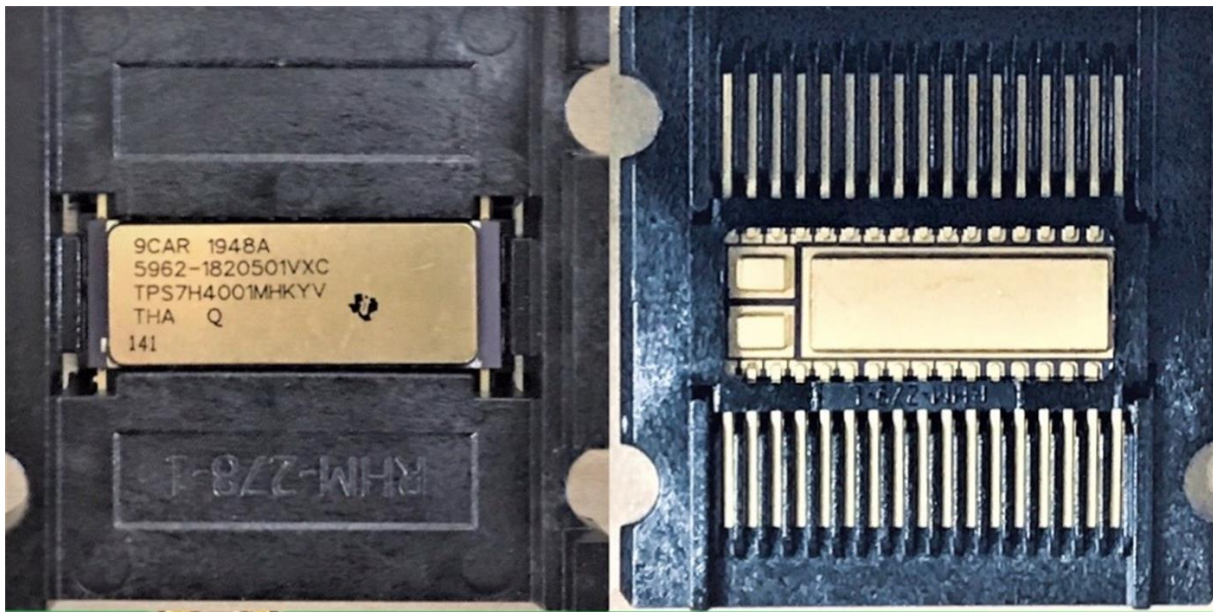
Multiple TPS7H4001-SP devices can be configured for parallel operation to support higher current applications. SYNC1 and SYNC2 pins are used to synchronize, with quadrature phase, the primary device with secondary devices eliminating the need for external clock generation.

## 1.2 Device Details

Table 1-1 lists the device information used in the initial TID HDR and LDR characterization.

**Table 1-1. Device and Exposure Details**

TID Exposure Details	
TI Device	TPS7H4001-SP
Package	34-pin CFP (HKY)
Technology	LBC7
Quantity Tested	HDR - 67, LDR - 69
Lot Accept/Reject	All levels tested and passed up to 100 krad(Si) for HDR and LDR
HDR Radiation Facility	Texas Instruments, Santa Clara, CA
HDR Dose Level	3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), 100 krad(Si)
HDR Dose Rate	63.68 rads(Si)/s [57.04 to 70.25 rad(Si)/s]
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
LDR Radiation Facility	Cobham RAD's, Colorado Springs, CO
LDR Dose Level	3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), 100 krad(Si)
LDR Dose Rate	0.01 rad(Si)/s
LDR Radiation Source	Gamma cell Co60 (JLS-81-22)
Irradiation Temperature	Ambient, room temperature



**Figure 1-1. TPS7H4001-SP Device Picture**

## 2 Total Dose Test Setup

### 2.1 Test Overview

The TPS7H4001-SP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Conditions A and D were used. The product was irradiated up to the target radiation level, and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). All devices remained functional passing all parametric test limits.

### 2.2 Test Description and Facilities

The TPS7H4001-SP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI facility in Santa Clara, California. The un-attenuated dose rate of this cell is 63.68 rad(Si)/s. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and returned to TI Dallas for a full post-radiation electrical evaluation using Texas Instruments Automated Test Equipment (ATE). ATE test limits are set within SMD electrical limits to ensure a minimum Cpk and test error margin based on qualification and characterization data. Post-radiation measurements were taken within 30 minutes of removing the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post-radiation measurements.

The TPS7H4001-SP LDR exposure was performed on biased and unbiased devices in a Co60 gamma cell under a 10-mrad(Si)/s exposure rate. The dose rate of the irradiator used in the exposure ranges from < 10 mrad(Si)/s to a maximum of approximately 84 rad(Si)/s, determined by the distance from the source. For the LDR (10 mrad(Si)/s) exposure, the test box was positioned approximately 2 m from the source. The exposure boards are housed in a lead-aluminum box (as specified in MIL-STD-883 TM 1019.9) to harden the gamma spectrum and minimize dose enhancement effects. The irradiator calibration is maintained by Logmire Laboratories using Thermoluminescence Dosimeters (TLDs) traceable to the National Institute of Standards and Technology (NIST) and the dosimetry was verified using TLDs prior to the radiation exposures. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and returned to TI Dallas for a post radiation electrical evaluation using Texas Instruments production Automated Test Equipment (ATE). ATE test limits are set per SMD electrical limits based on qualification and characterization data. Post-radiation measurements were taken within 30 minutes of removing the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post-radiation measurements.

### 2.3 Test Setup Details

The devices under HDR and LDR exposure were tested in two conditions, biased and unbiased, as described in the following.

#### 2.3.1 Unbiased

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

#### 2.3.2 Biased

Figure 2-1 shows the diagram for HDR and LDR exposure with biased condition.

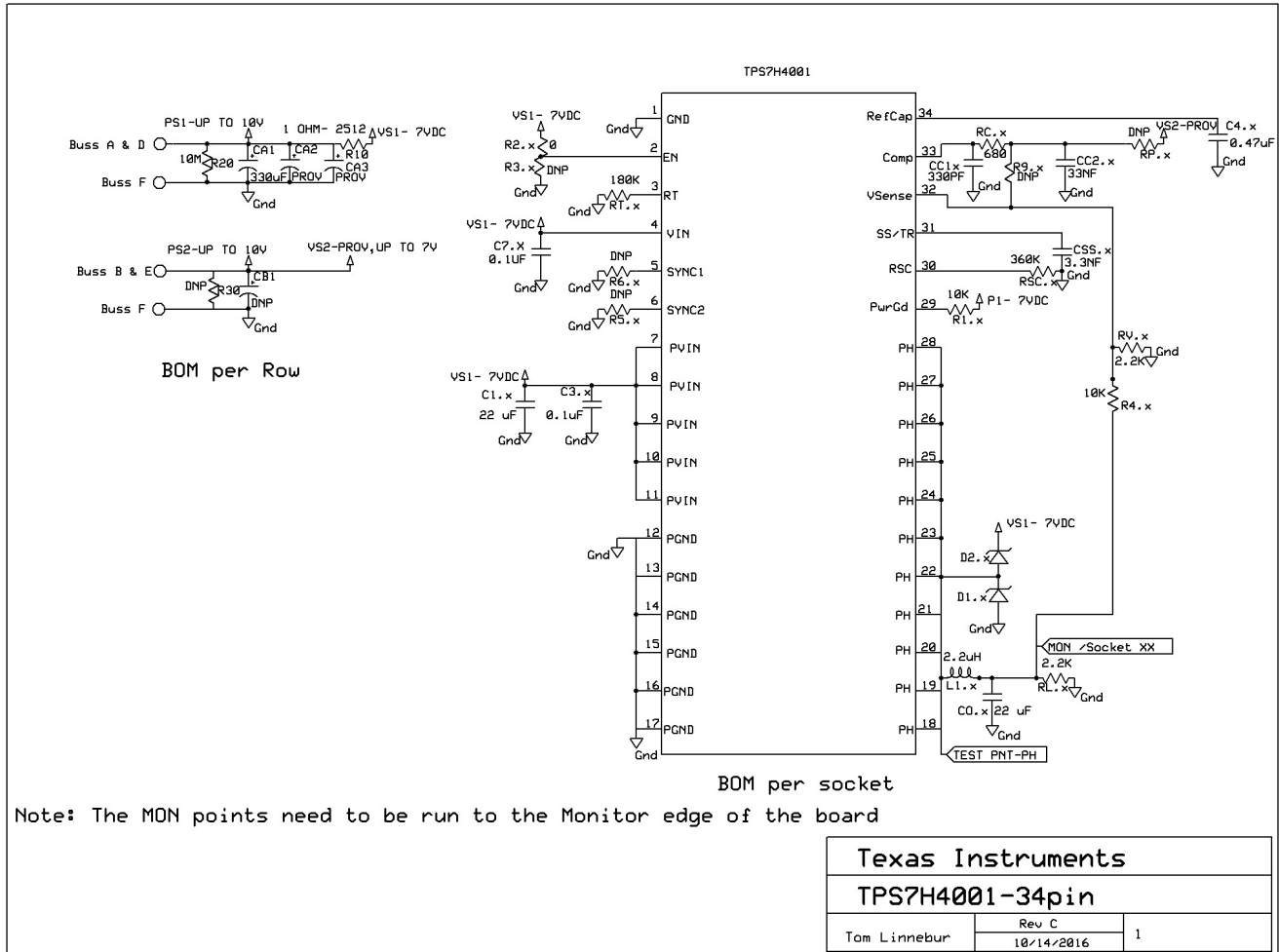


Figure 2-1. Bias Diagram Used in TID Exposure

## 2.4 Test Configuration and Condition

HDR devices were stressed at 3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), and 100 krad(Si) for biased and unbiased conditions.

LDR devices were stressed at 3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), and 100 krad(Si) for biased and unbiased conditions.

**Table 2-1. HDR >> 3-krad(Si) to 100-krad(Si)/s Biased Device Information**

Total Samples: 42				
Exposure Levels				
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)
1, 3, 4, 5, 6	7, 8, 9, 10, 11	14, 15, 20, 21, 23	25, 26, 27, 29, 30	31, 32, 33, 35, 36, 37, 38, 39, 41, 42, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 66, 67

**Table 2-2. HDR >> 3-krad(Si) to 100-krad(Si)/s Unbiased Device Information**

Total Samples: 25				
Exposure Levels				
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)
173, 174, 175, 176, 177	178, 179, 180, 181, 182	183, 184, 219, 220, 221	222, 223, 224, 226, 227	228, 229, 230, 231, 232

**Table 2-3. LDR >> 3-krad(Si) to 100-krad(Si)/s Biased Device Information**

Total Samples: 44				
Exposure Levels				
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)
1, 2, 3, 4, 5	11, 12, 13, 14, 15	89, 90, 91, 92, 93	94, 95, 96, 97, 99, 100	101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 123, 124

**Table 2-4. LDR >> 3-krad(Si) to 100-krad(Si)/s Unbiased Device Information**

Total Samples: 25				
Exposure Levels				
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)
6, 7, 8, 9, 10	16, 17, 18, 19, 20	132, 133, 135, 136, 137	186, 187, 188, 189, 190	191, 192, 193, 194, 195

## **3 TI Characterization Test Results**

### **3.1 TID Characterization Summary Results**

The parametric data for the TPS7H4001-SP passes up to 100-krad(Si) HDR and 100-krad(Si) LDR TID.

The drifts of SMD electrical parameters through HDR and LDR were within the SMD limits.

Overall, the TPS7H4001-SP showed a strong degree of hardness to LDR and HDR TID irradiation up to 100 krad(Si) for both biased and unbiased exposure conditions. The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level for both biased and unbiased. The parameters that did show a greater degree of change between pre- and post-irradiation were still within the SMD electrical specification. See [Table 3-1](#) for Specification Compliance Matrix.

See [Appendix A](#) for Specifications Requiring Clarification.

See [Appendix B](#) for HDR report up to 100 krad(Si).

See [Appendix C](#) for LDR report up to 100 krad(Si).

### 3.2 Specification Compliance Matrix

**Table 3-1. TPS7H4001-SP Specification Compliance Matrix**

PARAMETER	TEST CONDITION	TPS7H4001-SP Data Sheet				Test #
		MIN	TYP	MAX	UNIT	
PVIN internal UVLO threshold	PVIN rising	2.425	2.50	2.575	V	23.0, 23.4
PVIN internal UVLO hysteresis	Load = 0 A	425	450	475	mV	23.2, 23.6
VIN internal UVLO threshold	VIN rising	2.71	2.75	2.80	V	24.0
VIN internal UVLO hysteresis		134	150	178	mV	24.2
VIN shutdown supply current	$V_{EN} = 0\text{ V}$		2.32	2.85	mA	4.1, 4.5
VIN operating – non switching supply current	$V_{SENSE} = V_{BG}$		4	6	mA	4.0, 4.4
Enable Threshold	Rising	1.110	1.140	1.172	V	7.0, 7.6
	Falling	1.080	1.110	1.148	V	7.1, 7.7
Input Current	$V_{EN} = 1.1\text{ V}$	4.8	6.1	7.6	$\mu\text{A}$	7.3, 7.9
Hysteresis current	$V_{EN} = 1.3\text{ V}$	2.4	3.0	3.9	$\mu\text{A}$	7.5, 7.11
Internal voltage reference initial tolerance	$0\text{ A} \leq I_{out} \leq 18\text{ A}$ , 25 °C	0.599	0.605	0.612	$\mu\text{V}$	3.8, 3.10
REFCAP voltage	REFCAP=470nF	1.191	1.211	1.226	V	3.2, 3.3, 3.4
High-side switch resistance	PVIN = VIN = 3 V, lead length = 3 mm, 25 °C		22	25	m $\Omega$	8.0
High-side switch resistance	PVIN=VIN= 5 V, lead length = 3 mm, 25 °C		20	22	m $\Omega$	8.1
Low-side switch resistance	PVIN = VIN = 3 V, lead length = 3 mm, 25 °C		9	12	m $\Omega$	15.0
Low-side switch resistance	PVIN=VIN= 5 V, lead length = 3 mm, 25 °C		9	11	m $\Omega$	15.1
Error amplifier input offset voltage	$V_{SENSE} = 0.6\text{ V}$	-2		2.55	mV	3.9, 3.11
VSENSE pin input current	$V_{SENSE} = 0.6\text{ V}$	-15		15	nA	3.5, 3.6, 3.7 <sup>(1)</sup>
Error amplifier transconductance (gm)	$-2\text{ }\mu\text{A} < I_{COMP} < 2\text{ }\mu\text{A}$ , V(COMP) = 1 V	1150	1800	2400	$\mu\text{S}$	9.0, 9.3
Error amplifier source	V(COMP) = 1 V, 100-mV input overdrive	100	140	190	$\mu\text{A}$	9.1, 9.4
Error amplifier sink	V(COMP) = 1 V, 100-mV input overdrive	100	140	190	$\mu\text{A}$	9.2, 9.5
Internally set frequency	RT = Open, VIN = 3 V	444	473	515	kHz	21.1, 21.2
Internally set frequency	RT = Open, VIN = 5 V	449	502	560	kHz	21.4, 21.5
Externally set frequency	RT = 1.07 M $\Omega$ (1%), VIN = 3V	80	98	125	kHz	5.0 <sup>(2)</sup>
	RT = 1.07 M $\Omega$ (1%), VIN = 5V	80	100	125	kHz	11.0
	RT = 165 k $\Omega$ (1%), VIN = 3 V	455	495	535	kHz	5.4 <sup>(2)</sup>
	RT = 165 k $\Omega$ (1%), VIN = 5 V	475	523	615	kHz	11.4
	RT = 73.2 k $\Omega$ (1%), VIN = 3 V	689	850	1011	kHz	5.2 <sup>(2)</sup>
	RT = 73.2 k $\Omega$ (1%), VIN = 5 V	760	986	1212	kHz	11.2 <sup>(3)</sup>
	RT = 73.2 k $\Omega$ (1%), VIN = 5 V, TID = 100 krad(Si)	760	1145	1425	kHz	11.2
SYNC1/SYNC2 out low-to-high rise time (10%/90%)	Cload = 25 pF		70	180	ns	13.8, 13.10, 13.12, 13.14
SYNC1/SYNC2 out high-to-low fall time (90%/10%)	Cload = 25 pF		10	21	ns	13.9, 13.11, 13.13, 13.15
SYNC2 to SYNC1 rising edge phase shift		77	85	94	°	21.0, 21.3
SYNC1 falling edge delay		165	180	185	°	13.24, 13.25
SYNC1/SYNC2 out high level threshold	$I_{OH} = 50\text{ }\mu\text{A}$	VIN-0.3			V	13.18, 13.19, 13.22, 13.23



**Table 3-1. TPS7H4001-SP Specification Compliance Matrix (continued)**

PARAMETER	TEST CONDITION	TPS7H4001-SP Data Sheet				Test #
		MIN	TYP	MAX	UNIT	
SYNC1/SYNC2 out low level threshold	$I_{OL} = 50 \mu A$			600	mV	13.16, 13.17, 13.20, 13.21
Minimum on time	Measured at 10% to 90% of VIN, IPH = 2 A, VIN = 3 V		190	235	ns	5.6 <sup>(2)</sup>
	Measured at 10% to 90% of VIN, IPH = 2 A, VIN = 5 V		190	225	ns	11.6
SS charge current		1.5	2.5	3	$\mu A$	9.6, 9.7
VSENSE threshold	VSENSE falling (fault)	90	91		% Vref	12.0, 12.6
	VSENSE rising (good)		94	97	% Vref	12.1, 12.7
	VSENSE rising (fault)		109	111	% Vref	12.2, 12.8
	VSENSE falling (good)	103	106		% Vref	12.3, 12.9
Output high leakage	$V_{SENSE} = V_{ref}$ , $V_{(PWRGD)} = 5 V$		30	181	nA	12.4, 12.10
Output low	$I_{(PWRGD)} = 2 mA$			0.3	V	12.5, 12.11
Minimum VIN for valid output	$V_{(PWRGD)} < 0.5 V$ at 100 $\mu A$		0.6	1	V	24.3

- (1) LDR testing at 3 V only; HDR testing at 3 V, 5 V, and 7 V.
- (2) Not in TID report as parameter not tested pre-LDR. Verified good post-LDR.
- (3) ATE covered and tested with TID limit - 760 kHz to 1425 kHz.

## **4 Applicable and Reference Documents**

### **4.1 Applicable Documents**

- [TPS7H4001-SP 7-V, Radiation-hardness-assured \(RHA\), 3-V to 7-V input, 18-A, synchronous step-down converters](#)
- [TPS7H4001-SP Evaluation Module User's Guide](#)

### **4.2 Reference Documents**

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

## A Appendix A: Specifications Requiring Clarification

**Table A-1. Specifications Requiring Clarification - Set #1**

Data sheet specifications for which there is no parametric data and, therefore, not in the TID report. Functionality is assured by ATE testing.

PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
PVIN operating input voltage		3		7	V
VIN operating input voltage		3		7	V
SYNC1/SYNC2 in low level threshold	PVIN = VIN = 3 V			800	mV
	PVIN = VIN = 5 V			800	mV
SYNC1/SYNC2 in high level threshold	PVIN = VIN = 3 V	2.25			V
	PVIN = VIN = 5 V	3.5			V
SYNC1 in frequency range	PVIN = VIN = 5 V	100		1000	kHz
SYNC1 in duty cycle range	Duty cycle of external clock	40		60	%
Minimum SS/TR voltage for PWRGD				1.1	V

**Table A-2. Specifications Requiring Clarification - Set #2**

Data sheet specifications for which no data is available in TID report as specification was verified through bench testing. TID testing is by ATE.

PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
High-side switch resistance	PVIN = VIN = 7 V, lead length = 3 mm -55°C		13	18	mΩ
	PVIN = VIN = 7 V, lead length = 3 mm 25°C		17	21	mΩ
	PVIN = VIN = 7 V, lead length = 3 mm 125°C		23	28	mΩ
Low-side switch resistance	PVIN = VIN = 7 V, lead length = 3 mm -55°C		5	7	mΩ
	PVIN = VIN = 7 V, lead length = 3 mm 25°C		8	10	mΩ
	PVIN = VIN = 7 V, lead length = 3 mm 125°C		13	15	mΩ
COMP to Iswitch gm	COMP = 0.5 V -55°C	28	38	49	S
	COMP = 0.5 V 25°C	29	40	50	S
	COMP = 0.5 V 125°C	30	41	52	S
High-side switch current limit threshold	VIN = 7 V		25	32	A
Low-side switch sourcing overcurrent threshold	VIN = 7 V	21	29	37	A
Low-side switch sinking overcurrent threshold	VIN = 7 V	4.5	6		A
SYNC1/SYNC2 in low level threshold	PVIN = VIN = 7 V			800	mV
SYNC1/SYNC2 in high level threshold	PVIN = VIN = 7 V	4.9			V
SS/TR to VSENSE matching	V <sub>(SS/TR)</sub> = 0.3 V		30	90	mV

**Table A-3. Specifications Requiring Clarification - Set #3**

Data sheet specifications that are not covered in TID report because specification condition is at temperature other than 25°C. TID testing is at 25°C only.

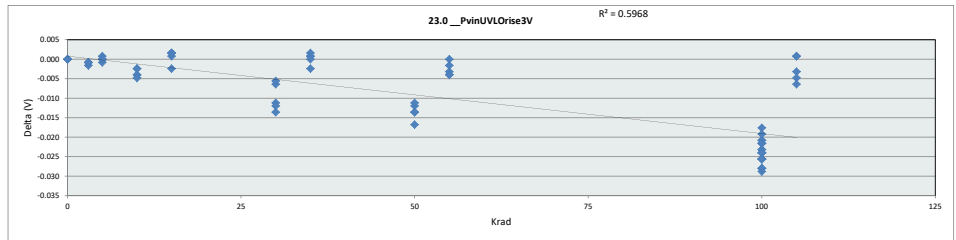
PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
Internal voltage reference	0 A ≤ I <sub>out</sub> ≤ 18 A -55°C	0.595	0.602	0.609	V
	0 A ≤ I <sub>out</sub> ≤ 18 A +125°C	0.600	0.607	0.613	V
High-side switch resistance	PVIN = VIN = 3 V, lead length = 3 mm -55°C		16	22	mΩ
	PVIN = VIN = 3 V, lead length = 3 mm 125°C		30	34	mΩ
	PVIN = VIN = 5 V, lead length = 3 mm -55°C		14	19	mΩ
	PVIN = VIN = 5 V, lead length = 3 mm 125°C		27	30	mΩ
Low-side switch resistance	PVIN = VIN = 3 V, lead length = 3 mm -55°C		8	11	mΩ
	PVIN = VIN = 3 V, lead length = 3 mm 125°C		14	18	mΩ
	PVIN = VIN = 5 V, lead length = 3 mm -55°C		7	10	mΩ
	PVIN = VIN = 5 V, lead length = 3 mm 125°C		13	17	mΩ

## **B Appendix B: HDR TID Report Data**

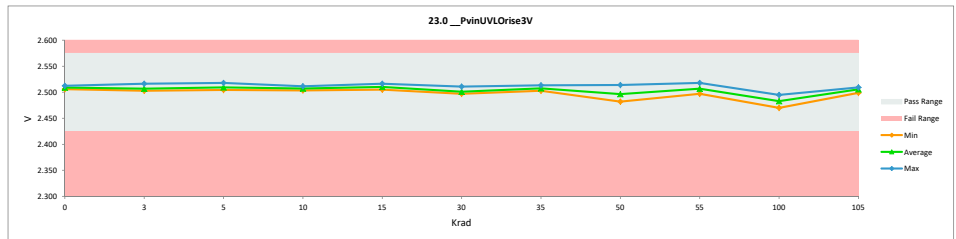
This appendix contains the HDR TID report data.

HDR TID Report  
POLARIS - TPS7H4001-SP

23.0_PvinUVLorise3V				
Test Site	Tester	Test Number	Unit	
			V	V
Max Limit			2.575	2.575
Min Limit			2.425	2.425
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	2.507	2.507	0.000
0	140	2.511	2.511	0.000
0	141	2.512	2.512	0.000
0	142	2.506	2.506	0.000
3	1	2.508	2.506	-0.002
3	3	2.505	2.504	-0.001
3	4	2.517	2.516	-0.001
3	5	2.504	2.503	-0.001
3	6	2.505	2.504	-0.001
5	173	2.517	2.518	0.001
5	174	2.504	2.504	0.000
5	175	2.509	2.508	-0.001
5	176	2.509	2.509	0.000
5	177	2.506	2.506	0.000
10	7	2.509	2.507	-0.002
10	8	2.516	2.512	-0.004
10	9	2.511	2.508	-0.002
10	10	2.508	2.504	-0.004
10	11	2.511	2.506	-0.005
15	178	2.516	2.513	-0.002
15	179	2.507	2.508	0.001
15	180	2.508	2.509	0.002
15	181	2.504	2.505	0.002
15	182	2.515	2.516	0.002
30	14	2.508	2.497	-0.011
30	15	2.517	2.511	-0.006
30	20	2.506	2.500	-0.006
30	21	2.510	2.498	-0.012
30	23	2.512	2.499	-0.014
35	183	2.502	2.503	0.001
35	184	2.505	2.507	0.002
35	219	2.507	2.504	-0.002
35	220	2.510	2.511	0.001
35	221	2.513	2.513	0.000
50	25	2.499	2.482	-0.017
50	26	2.504	2.492	-0.012
50	27	2.509	2.496	-0.014
50	29	2.525	2.514	-0.011
50	30	2.512	2.499	-0.014
55	222	2.510	2.510	0.000
55	223	2.508	2.505	-0.003
55	224	2.520	2.518	-0.002
55	226	2.508	2.504	-0.004
55	227	2.501	2.497	-0.004
100	31	2.499	2.470	-0.029
100	32	2.512	2.486	-0.026
100	33	2.509	2.484	-0.026
100	35	2.516	2.488	-0.028
100	36	2.504	2.487	-0.018
100	37	2.510	2.484	-0.026
100	38	2.512	2.491	-0.022
100	39	2.518	2.495	-0.023
100	41	2.508	2.488	-0.021
100	42	2.504	2.479	-0.026
100	55	2.511	2.489	-0.022
100	56	2.504	2.476	-0.028
100	57	2.508	2.488	-0.019
100	58	2.505	2.481	-0.024
100	59	2.507	2.483	-0.024
100	60	2.503	2.479	-0.024
100	61	2.509	2.488	-0.021
100	62	2.498	2.470	-0.028
100	63	2.499	2.476	-0.023
100	64	2.504	2.480	-0.024
100	66	2.503	2.481	-0.022
100	67	2.505	2.480	-0.026
105	228	2.498	2.499	0.001
105	229	2.512	2.507	-0.005
105	230	2.508	2.509	0.001
105	231	2.508	2.504	-0.003
105	232	2.515	2.508	-0.006
Max		2.525	2.518	0.002
Average		2.508	2.499	-0.010
Min		2.498	2.470	-0.029
Std Dev		0.005	0.013	0.011

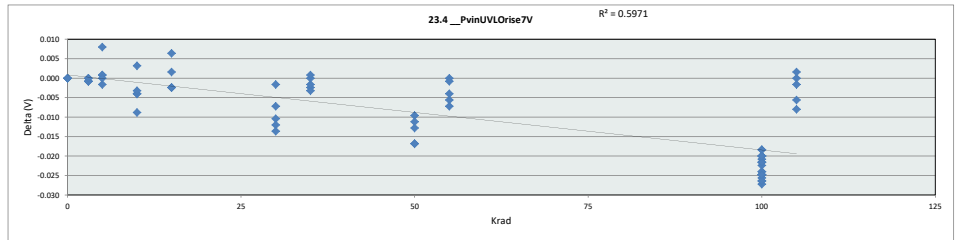


23.0_PvinUVLorise3V											
Test Site	Tester	Test Number	Unit								
Max Limit			V								
Min Limit			V								
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425
Min	2.506	2.503	2.504	2.504	2.504	2.497	2.503	2.482	2.497	2.470	2.499
Average	2.509	2.507	2.509	2.507	2.510	2.501	2.508	2.497	2.507	2.483	2.506
Max	2.512	2.516	2.518	2.512	2.516	2.511	2.513	2.514	2.518	2.495	2.509
UL	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575

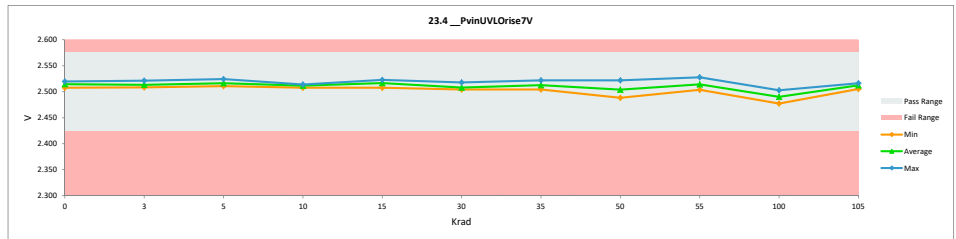


HDR TID Report  
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23.4_PvinUVLorise7V				
Test Site	Tester	Test Number	Unit	
			V	V
Max Limit			2.575	2.575
Min Limit			2.425	2.425
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	2.508	2.508	0.000
0	140	2.516	2.516	0.000
0	141	2.520	2.520	0.000
0	142	2.515	2.515	0.000
3	1	2.514	2.513	-0.001
3	3	2.512	2.512	0.000
3	4	2.522	2.521	-0.001
3	5	2.509	2.508	-0.001
3	6	2.511	2.511	0.000
5	173	2.524	2.524	0.001
5	174	2.503	2.511	0.008
5	175	2.514	2.515	0.001
5	176	2.519	2.517	-0.002
5	177	2.514	2.514	0.000
10	7	2.511	2.514	0.003
10	8	2.523	2.514	-0.009
10	9	2.513	2.509	-0.004
10	10	2.512	2.508	-0.004
10	11	2.516	2.513	-0.003
15	178	2.525	2.523	-0.002
15	179	2.514	2.512	-0.002
15	180	2.512	2.518	0.006
15	181	2.510	2.508	-0.002
15	182	2.521	2.523	0.002
30	14	2.516	2.506	-0.010
30	15	2.525	2.518	-0.007
30	20	2.508	2.506	-0.002
30	21	2.516	2.504	-0.012
30	23	2.520	2.506	-0.014
35	183	2.507	2.504	-0.002
35	184	2.513	2.510	-0.003
35	219	2.512	2.510	-0.002
35	220	2.516	2.516	0.000
35	221	2.521	2.522	0.001
50	25	2.505	2.488	-0.017
50	26	2.511	2.501	-0.010
50	27	2.519	2.502	-0.017
50	29	2.533	2.522	-0.011
50	30	2.520	2.507	-0.013
55	222	2.518	2.518	0.000
55	223	2.519	2.513	-0.006
55	224	2.528	2.528	-0.001
55	226	2.516	2.509	-0.007
55	227	2.508	2.504	-0.004
100	31	2.502	2.478	-0.024
100	32	2.516	2.492	-0.025
100	33	2.515	2.490	-0.025
100	35	2.524	2.498	-0.026
100	36	2.511	2.489	-0.022
100	37	2.516	2.492	-0.025
100	38	2.520	2.500	-0.020
100	39	2.523	2.503	-0.020
100	41	2.516	2.496	-0.020
100	42	2.512	2.487	-0.026
100	55	2.517	2.496	-0.022
100	56	2.508	2.483	-0.025
100	57	2.513	2.495	-0.018
100	58	2.510	2.489	-0.021
100	59	2.512	2.490	-0.022
100	60	2.508	2.484	-0.024
100	61	2.514	2.496	-0.018
100	62	2.504	2.477	-0.027
100	63	2.507	2.480	-0.026
100	64	2.511	2.489	-0.022
100	66	2.509	2.489	-0.020
100	67	2.514	2.489	-0.025
105	228	2.505	2.505	0.000
105	229	2.516	2.515	-0.002
105	230	2.515	2.516	0.002
105	231	2.515	2.509	-0.006
105	232	2.524	2.516	-0.008
105	233	2.528	2.528	0.000
Max		2.533	2.528	0.005
Average		2.515	2.505	-0.009
Min		2.502	2.477	-0.027
Std Dev		0.006	0.012	0.010



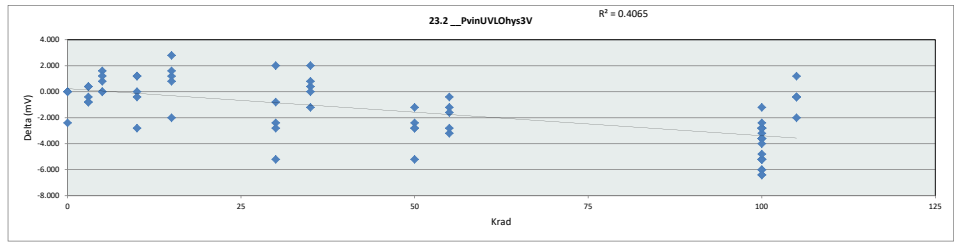
23.4_PvinUVLorise7V										
Test Site	Tester	Test Number	Unit							
			V							
Max Limit			2.575	V						
Min Limit			2.425	V						
Krad	0	5	10	15	30	35	50	55	100	105
LL	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425
Min	2.508	2.508	2.511	2.508	2.508	2.504	2.504	2.488	2.504	2.477
Average	2.514	2.513	2.516	2.512	2.517	2.508	2.513	2.504	2.514	2.490
Max	2.520	2.521	2.524	2.514	2.523	2.518	2.522	2.528	2.528	2.503
UL	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575



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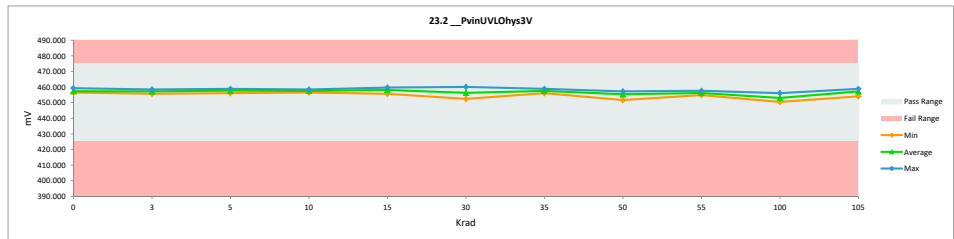
23.2_PvinUVOHys3V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	475
Min Limit	425

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	457.257	457.257	0.000
0	140	458.859	456.457	-2.402
0	141	459.259	459.259	0.000
0	142	456.456	456.456	0.000
3	1	456.857	456.456	-0.401
3	3	458.058	457.257	-0.801
3	4	458.058	458.458	0.400
3	5	456.457	455.656	-0.801
3	6	458.058	458.458	0.400
5	173	458.058	458.859	0.801
5	174	457.257	457.257	0.000
5	175	457.257	458.858	1.601
5	176	456.056	456.056	0.000
5	177	456.456	457.658	1.202
10	7	457.257	458.459	1.202
10	8	460.060	457.258	-2.802
10	9	457.658	457.657	-0.001
10	10	456.857	456.457	-0.400
10	11	456.457	457.658	1.201
15	178	457.658	458.859	1.201
15	179	454.855	455.656	0.801
15	180	456.857	459.659	2.802
15	181	456.457	458.058	1.601
15	182	460.461	458.458	-2.003
30	14	457.657	452.452	-5.205
30	15	458.058	460.060	2.002
30	20	457.658	456.856	-0.802
30	21	458.058	455.656	-2.402
30	23	459.259	456.457	-2.802
35	183	454.855	456.857	2.002
35	184	455.655	456.056	0.401
35	219	458.459	457.257	-1.202
35	220	458.058	458.859	0.801
35	221	458.859	458.859	0.000
50	25	454.054	451.652	-2.402
50	26	457.257	456.056	-1.201
50	27	458.458	455.656	-2.802
50	29	462.462	457.257	-5.205
50	30	459.259	456.457	-2.802
55	222	458.058	456.857	-1.201
55	223	458.858	455.655	-3.203
55	224	458.058	457.658	-0.400
55	226	457.657	456.056	-1.601
55	227	457.657	454.855	-2.802
100	31	456.457	450.450	-6.007
100	32	457.258	454.454	-2.804
100	33	457.257	452.052	-5.205
100	35	460.060	454.855	-5.205
100	36	456.056	452.853	-3.203
100	37	456.857	454.054	-2.803
100	38	456.856	453.253	-3.603
100	39	458.859	456.056	-2.803
100	41	458.858	452.453	-6.405
100	42	456.056	450.851	-5.205
100	55	458.859	455.255	-3.604
100	56	457.257	452.052	-5.205
100	57	456.857	455.655	-1.202
100	58	456.857	453.253	-3.604
100	59	458.459	452.453	-6.006
100	60	456.857	453.253	-3.604
100	61	456.056	452.052	-4.004
100	62	454.454	451.652	-2.802
100	63	455.255	452.453	-2.802
100	64	455.256	452.853	-2.403
100	66	456.857	452.052	-4.805
100	67	458.058	451.652	-6.406
105	228	454.454	454.054	-0.400
105	229	457.258	458.459	1.201
105	230	458.858	458.458	-0.400
105	231	458.058	456.056	-2.002
105	232	459.259	458.858	-0.401
105	Max	462.462	460.060	2.802
105	Average	457.477	455.802	-1.675
105	Min	454.054	450.450	-3.606
105	Std Dev	1.489	2.491	2.332



23.2_PvinUVOHys3V	
Test Site	
Tester	
Test Number	
Max Limit	475 mV
Min Limit	425 mV

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000
Min	456.456	455.656	456.056	456.457	455.656	452.452	456.056	451.652	454.855	450.450	454.054
Average	457.357	457.257	457.738	457.498	458.138	456.296	457.578	455.416	456.216	452.998	457.177
Max	459.259	458.458	458.859	458.459	459.659	460.060	458.859	457.257	457.658	456.056	458.858
UL	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000

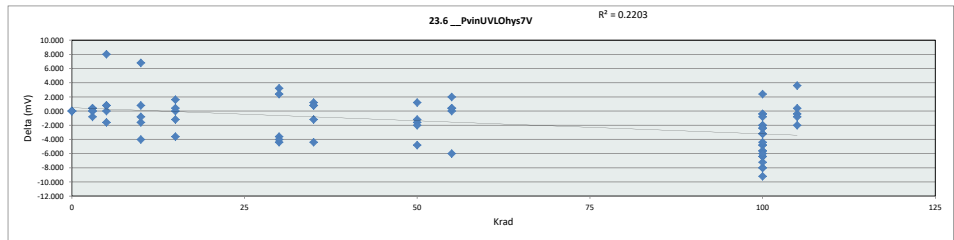




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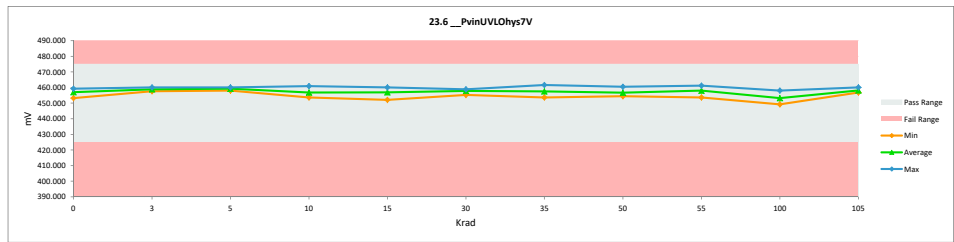
23.6_PvinUVLOhys7V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	475
Min Limit	425

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	453.254	453.254	0.000
0	140	456.457	456.457	0.000
0	141	459.260	459.260	0.000
0	142	459.259	459.259	0.000
3	1	458.458	458.859	0.401
3	3	458.058	458.058	0.000
3	4	459.259	459.659	0.400
3	5	458.458	457.657	-0.801
3	6	460.060	460.060	0.000
5	173	458.459	459.259	0.800
5	174	452.052	460.060	8.008
5	175	458.458	459.259	0.801
5	176	459.660	458.058	-1.602
5	177	459.660	459.660	0.000
10	7	454.054	460.861	6.807
10	8	457.658	453.654	-4.004
10	9	455.255	453.653	-1.602
10	10	457.258	458.058	0.800
10	11	458.458	457.657	-0.801
15	178	460.060	460.060	0.000
15	179	457.257	456.056	-1.201
15	180	457.258	458.859	1.601
15	181	455.656	452.052	-3.604
15	182	457.257	457.658	0.401
30	14	459.659	455.255	-4.404
30	15	462.462	458.859	-3.603
30	20	455.656	458.859	3.203
30	21	456.056	458.458	2.402
30	23	461.662	457.658	-4.004
35	183	454.855	453.653	-1.202
35	184	460.060	455.656	-4.404
35	219	454.855	455.656	0.801
35	220	459.659	460.860	1.201
35	221	460.861	461.662	0.801
50	25	455.655	454.454	-1.201
50	26	456.457	457.657	1.200
50	27	459.660	454.855	-4.805
50	29	462.062	460.460	-1.602
50	30	458.058	456.056	-2.002
55	222	458.859	458.859	0.000
55	223	459.660	460.060	0.400
55	224	460.860	461.262	0.402
55	226	459.659	453.653	-6.006
55	227	454.455	456.457	2.002
100	31	451.251	453.654	2.403
100	32	457.257	451.652	-5.605
100	33	456.857	454.855	-2.002
100	35	459.259	454.454	-4.805
100	36	454.054	449.249	-4.805
100	37	457.257	455.256	-2.001
100	38	458.858	455.655	-3.203
100	39	458.859	453.253	-5.606
100	41	460.060	452.052	-8.008
100	42	459.259	452.853	-6.406
100	55	460.460	458.058	-2.402
100	56	454.455	451.251	-3.204
100	57	456.456	456.056	-0.400
100	58	459.259	452.853	-6.406
100	59	459.259	451.251	-8.008
100	60	457.657	450.450	-7.207
100	61	454.855	454.455	-0.400
100	62	454.854	454.054	-0.800
100	63	457.257	451.251	-6.006
100	64	456.457	454.054	-2.403
100	66	457.257	452.853	-4.404
100	67	460.861	451.651	-9.210
105	228	453.253	456.857	3.604
105	229	457.257	456.857	-0.400
105	230	460.461	458.458	-2.003
105	231	459.259	458.458	-0.801
105	232	459.660	460.060	0.400
	Max	462.462	461.662	8.008
	Average	457.804	456.332	-1.472
	Min	451.251	449.249	-9.210
	Std Dev	2.404	3.086	3.242



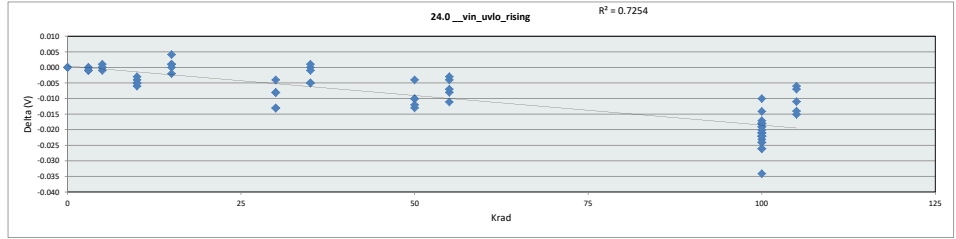
23.6_PvinUVLOhys7V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	475
Min Limit	425

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000
Min	453.254	457.657	458.058	453.653	452.052	455.255	453.653	454.454	453.653	449.249	456.857
Average	457.058	458.859	459.259	456.777	456.937	457.818	457.497	456.696	458.058	453.235	458.138
Max	459.260	460.060	460.060	460.861	460.060	458.859	461.662	460.460	461.262	458.058	460.060
UL	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000

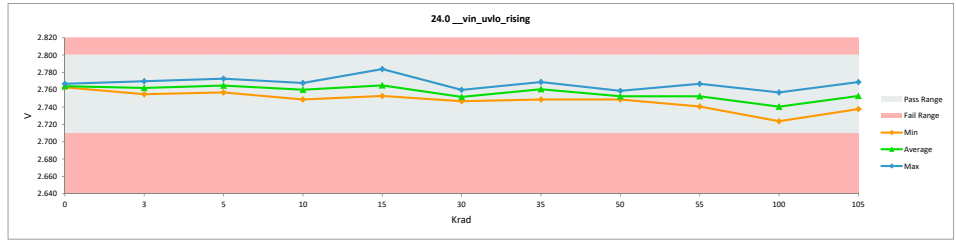


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24.0__vin_uvlo_rising				
Test Site	Tester	Test Number	Unit	Delta
			V	V
			Max Limit	2.8
			Min Limit	2.71
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	2.763	2.763	0.000
0	140	2.764	2.764	0.000
0	141	2.763	2.763	0.000
0	142	2.767	2.767	0.000
3	1	2.768	2.767	-0.001
3	3	2.762	2.762	0.000
3	4	2.771	2.770	-0.001
3	5	2.757	2.757	0.000
3	6	2.756	2.755	-0.001
5	173	2.763	2.764	0.001
5	174	2.757	2.757	0.000
5	175	2.763	2.763	0.000
5	176	2.769	2.768	-0.001
5	177	2.773	2.773	0.000
10	7	2.768	2.765	-0.003
10	8	2.770	2.765	-0.005
10	9	2.758	2.754	-0.004
10	10	2.774	2.768	-0.006
10	11	2.754	2.749	-0.005
15	178	2.783	2.784	0.001
15	179	2.763	2.764	0.001
15	180	2.759	2.759	0.000
15	181	2.749	2.753	0.004
15	182	2.768	2.766	-0.002
30	14	2.755	2.747	-0.008
30	15	2.764	2.760	-0.004
30	20	2.761	2.753	-0.008
30	21	2.762	2.749	-0.013
30	23	2.764	2.751	-0.013
35	183	2.749	2.749	0.000
35	184	2.764	2.765	0.001
35	219	2.761	2.756	-0.005
35	220	2.770	2.765	-0.005
35	221	2.770	2.769	-0.001
50	25	2.764	2.751	-0.013
50	26	2.759	2.749	-0.010
50	27	2.762	2.750	-0.012
50	29	2.764	2.754	-0.010
50	30	2.763	2.759	-0.004
55	222	2.771	2.767	-0.004
55	223	2.759	2.748	-0.011
55	224	2.762	2.754	-0.008
55	226	2.756	2.753	-0.003
55	227	2.748	2.741	-0.007
100	31	2.756	2.734	-0.022
100	32	2.751	2.728	-0.023
100	33	2.776	2.757	-0.019
100	35	2.775	2.754	-0.021
100	36	2.764	2.742	-0.022
100	37	2.762	2.736	-0.026
100	38	2.764	2.742	-0.022
100	39	2.775	2.754	-0.021
100	41	2.761	2.740	-0.021
100	42	2.760	2.746	-0.014
100	55	2.760	2.750	-0.010
100	56	2.763	2.741	-0.022
100	57	2.761	2.735	-0.026
100	58	2.760	2.743	-0.017
100	59	2.759	2.741	-0.018
100	60	2.763	2.729	-0.034
100	61	2.771	2.753	-0.018
100	62	2.742	2.724	-0.018
100	63	2.751	2.732	-0.019
100	64	2.753	2.733	-0.020
100	66	2.767	2.743	-0.024
100	67	2.763	2.739	-0.024
105	228	2.753	2.738	-0.015
105	229	2.767	2.753	-0.014
105	230	2.759	2.753	-0.006
105	231	2.763	2.752	-0.011
105	232	2.776	2.769	-0.007
	Max	2.783	2.784	0.004
	Average	2.762	2.753	-0.010
	Min	2.742	2.724	-0.034
	Std Dev	0.007	0.012	0.009



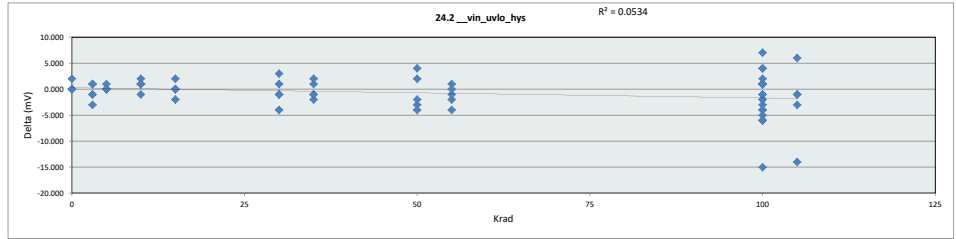
24.0__vin_uvlo_rising										
Test Site	Tester	Test Number	Unit	Delta						
			V	V						
			Max Limit	2.8						
			Min Limit	2.71						
Krad	LL	Min	Average	Max	UL					
0	2.710	2.710	2.710	2.710	2.800					
3	2.710	2.755	2.757	2.749	2.800					
5	2.710	2.755	2.757	2.749	2.800					
10	2.710	2.763	2.762	2.765	2.800					
15	2.710	2.763	2.762	2.765	2.800					
30	2.710	2.763	2.762	2.765	2.800					
35	2.710	2.763	2.762	2.765	2.800					
50	2.710	2.763	2.762	2.765	2.800					
55	2.710	2.763	2.762	2.765	2.800					
100	2.710	2.763	2.762	2.765	2.800					
105	2.710	2.763	2.762	2.765	2.800					



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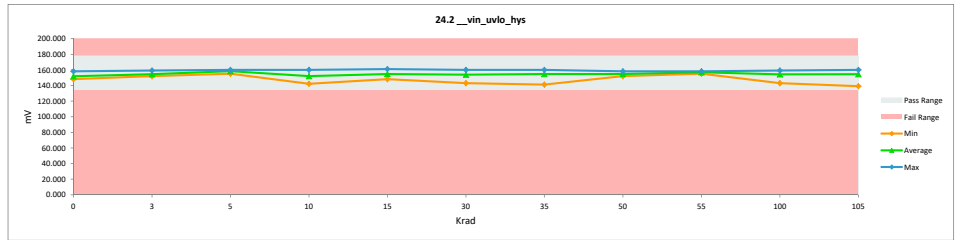
24.2_vin_uvlo_hys	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	178
Min Limit	134

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	156.156	158.158	2.002
0	140	148.148	148.148	0.000
0	141	149.149	149.149	0.000
0	142	152.152	152.152	0.000
3	1	153.153	152.152	-1.001
3	3	152.152	153.153	1.001
3	4	157.157	154.154	-3.003
3	5	158.158	159.159	1.001
3	6	155.155	154.154	-1.001
5	173	157.157	157.157	0.000
5	174	158.158	159.159	1.001
5	175	160.160	160.160	0.000
5	176	155.155	155.155	0.000
5	177	160.160	160.160	0.000
10	7	157.157	158.158	1.001
10	8	150.150	151.151	1.001
10	9	143.143	142.142	-1.001
10	10	158.158	160.160	2.002
10	11	148.148	149.149	1.001
15	178	161.161	161.161	0.000
15	179	151.151	151.151	0.000
15	180	159.159	157.157	-2.002
15	181	148.148	148.148	0.000
15	182	154.154	156.156	2.002
30	14	144.144	143.143	-1.001
30	15	149.149	152.152	3.003
30	20	159.159	160.160	1.001
30	21	160.160	159.159	-1.001
30	23	159.159	155.155	-4.004
35	183	143.143	141.141	-2.002
35	184	158.158	160.160	2.002
35	219	157.157	156.156	-1.001
35	220	159.159	158.158	-1.001
35	221	157.157	158.158	1.001
50	25	158.158	155.155	-3.003
50	26	157.157	153.153	-4.004
50	27	150.150	152.152	2.002
50	29	157.157	155.155	-2.002
50	30	154.154	158.158	4.004
55	222	154.154	155.155	1.001
55	223	160.160	156.156	-4.004
55	224	159.159	157.157	-2.002
55	226	159.159	158.158	-1.001
55	227	158.158	158.158	0.000
100	31	158.158	152.152	-6.006
100	32	152.152	153.153	1.001
100	33	160.160	156.156	-4.004
100	35	158.158	159.159	1.001
100	36	155.155	156.156	1.001
100	37	153.153	147.147	-6.006
100	38	159.159	154.154	-5.005
100	39	160.160	156.156	-4.004
100	41	160.160	159.159	-1.001
100	42	159.159	157.157	-2.002
100	55	151.151	158.158	7.007
100	56	159.159	156.156	-3.003
100	57	155.155	149.149	-6.006
100	58	148.148	150.150	2.002
100	59	156.156	157.157	1.001
100	60	158.158	143.143	-15.015
100	61	157.157	158.158	1.001
100	62	143.143	147.147	4.004
100	63	155.155	154.154	-1.001
100	64	152.152	156.156	4.004
100	66	157.157	158.158	1.001
100	67	157.157	155.155	-2.002
105	228	153.153	139.139	-14.014
105	229	153.153	159.159	6.006
105	230	159.159	156.156	-3.003
105	231	159.159	158.158	-1.001
105	232	161.161	160.160	-1.001
	Max	161.161	161.161	7.007
	Average	155.324	154.577	-0.747
	Min	143.143	139.139	-15.015
	Std Dev	4.637	5.001	3.483



24.2_vin_uvlo_hys	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	178
Min Limit	134

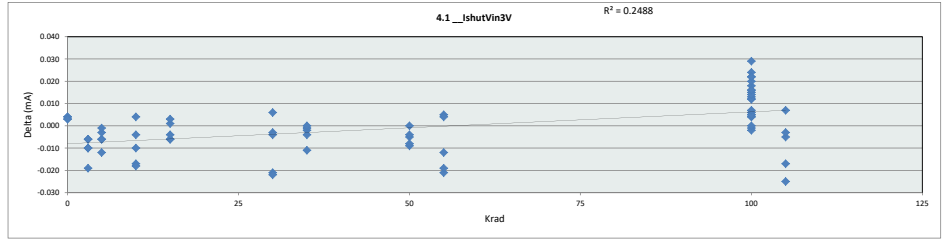
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	134.000	134.000	134.000	134.000	134.000	134.000	134.000	134.000	134.000	134.000	134.000
Min	148.148	152.152	155.155	142.142	148.148	143.143	141.141	152.152	155.155	143.143	139.139
Average	151.902	154.554	158.358	152.152	154.755	153.954	154.755	154.755	156.957	154.245	154.554
Max	158.158	159.159	160.160	160.160	161.161	160.160	160.160	158.158	158.158	159.159	160.160
UL	178.000	178.000	178.000	178.000	178.000	178.000	178.000	178.000	178.000	178.000	178.000



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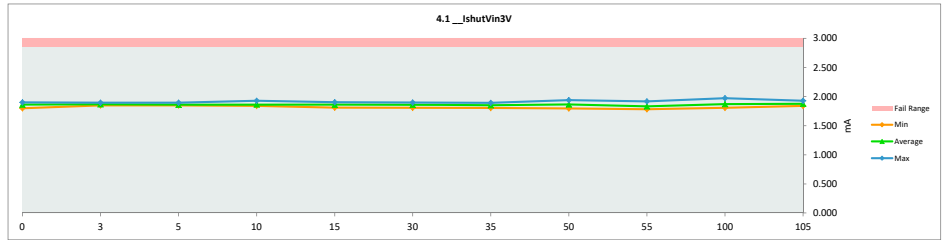
4.1_IshutVin3V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	2.85
Min Limit	2.85

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	1.896	1.900	0.004
0	140	1.881	1.885	0.004
0	141	1.857	1.860	0.003
0	142	1.796	1.799	0.003
3	1	1.866	1.856	-0.010
3	3	1.870	1.851	-0.019
3	4	1.901	1.895	-0.006
3	5	1.858	1.848	-0.010
3	6	1.888	1.882	-0.006
5	173	1.855	1.849	-0.006
5	174	1.865	1.853	-0.012
5	175	1.853	1.847	-0.006
5	176	1.898	1.895	-0.003
5	177	1.848	1.847	-0.001
10	7	1.864	1.854	-0.010
10	8	1.870	1.853	-0.017
10	9	1.859	1.841	-0.018
10	10	1.837	1.841	0.004
10	11	1.932	1.928	-0.004
15	178	1.872	1.873	0.001
15	179	1.862	1.856	-0.006
15	180	1.866	1.860	-0.006
15	181	1.813	1.809	-0.004
15	182	1.901	1.904	0.003
30	14	1.828	1.807	-0.021
30	15	1.901	1.898	-0.003
30	20	1.862	1.858	-0.004
30	21	1.855	1.833	-0.022
30	23	1.891	1.897	0.006
35	183	1.893	1.891	-0.002
35	184	1.814	1.803	-0.011
35	219	1.844	1.843	-0.001
35	220	1.847	1.847	0.000
35	221	1.873	1.869	-0.004
50	25	1.934	1.934	0.000
50	26	1.801	1.796	-0.005
50	27	1.948	1.939	-0.009
50	29	1.837	1.829	-0.008
50	30	1.827	1.823	-0.004
55	222	1.855	1.834	-0.021
55	223	1.825	1.806	-0.019
55	224	1.794	1.782	-0.012
55	226	1.813	1.818	0.005
55	227	1.914	1.918	0.004
100	31	1.891	1.907	0.016
100	32	1.808	1.807	-0.001
100	33	1.899	1.897	-0.002
100	35	1.915	1.927	0.012
100	36	1.871	1.884	0.013
100	37	1.824	1.848	0.024
100	38	1.877	1.882	0.005
100	39	1.796	1.825	0.029
100	41	1.799	1.817	0.018
100	42	1.968	1.972	0.004
100	55	1.835	1.841	0.006
100	56	1.804	1.819	0.015
100	57	1.797	1.809	0.012
100	58	1.831	1.831	0.000
100	59	1.869	1.891	0.022
100	60	1.923	1.927	0.004
100	61	1.846	1.866	0.020
100	62	1.855	1.877	0.022
100	63	1.865	1.870	0.005
100	64	1.874	1.881	0.007
100	66	1.858	1.872	0.014
100	67	1.867	1.883	0.016
105	228	1.933	1.928	-0.005
105	229	1.894	1.869	-0.025
105	230	1.884	1.891	0.007
105	231	1.857	1.840	-0.017
105	232	1.854	1.851	-0.003
	Max	1.968	1.972	0.029
	Average	1.863	1.862	0.000
	Min	1.794	1.782	-0.025
	Std Dev	0.039	0.040	0.012



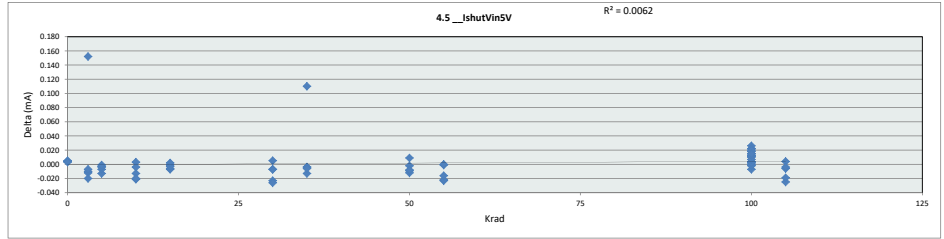
4.1_IshutVin3V	
Test Site	
Tester	
Test Number	
Max Limit	2.85 mA
Min Limit	2.85 mA

Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	1.799	1.848	1.847	1.841	1.809	1.807	1.803	1.796	1.782	1.807	1.840
Average	1.861	1.866	1.858	1.863	1.860	1.859	1.851	1.864	1.832	1.870	1.876
Max	1.900	1.895	1.895	1.928	1.904	1.898	1.891	1.939	1.918	1.972	1.928
UL	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850

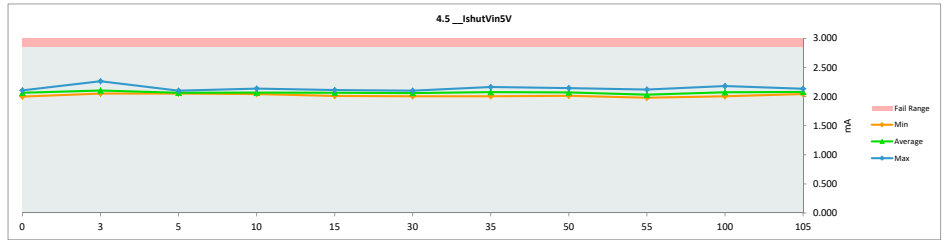


HDR TID Report  
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4.5_IshutVin5V				
Test Site	Tester	Test Number	Unit	
			mA	
			mA	
			2.85	
			2.85	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	2.103	2.107	0.004
0	140	2.088	2.093	0.005
0	141	2.061	2.065	0.004
0	142	1.997	2.000	0.003
3	1	2.074	2.062	-0.012
3	3	2.075	2.055	-0.020
3	4	2.111	2.263	0.152
3	5	2.062	2.052	-0.010
3	6	2.095	2.088	-0.007
5	173	2.063	2.060	-0.003
5	174	2.070	2.057	-0.013
5	175	2.059	2.052	-0.007
5	176	2.105	2.101	-0.004
5	177	2.052	2.051	-0.001
10	7	2.072	2.059	-0.013
10	8	2.077	2.056	-0.021
10	9	2.063	2.043	-0.020
10	10	2.040	2.043	0.003
10	11	2.140	2.136	-0.004
15	178	2.077	2.076	-0.001
15	179	2.067	2.060	-0.007
15	180	2.072	2.066	-0.006
15	181	2.014	2.011	-0.003
15	182	2.110	2.112	0.002
30	14	2.029	2.006	-0.023
30	15	2.108	2.101	-0.007
30	20	2.067	2.060	-0.007
30	21	2.059	2.033	-0.026
30	23	2.096	2.101	0.005
35	183	2.101	2.097	-0.004
35	184	2.018	2.005	-0.013
35	219	2.050	2.046	-0.004
35	220	2.054	2.164	0.110
35	221	2.079	2.073	-0.006
50	25	2.140	2.138	-0.002
50	26	2.005	2.014	0.009
50	27	2.157	2.145	-0.012
50	29	2.041	2.032	-0.009
50	30	2.034	2.026	-0.008
55	222	2.061	2.038	-0.023
55	223	2.029	2.007	-0.022
55	224	1.996	1.980	-0.016
55	226	2.018	2.017	-0.001
55	227	2.121	2.121	0.000
100	31	2.096	2.111	0.015
100	32	2.010	2.009	-0.001
100	33	2.111	2.104	-0.007
100	35	2.122	2.133	0.011
100	36	2.076	2.088	0.012
100	37	2.028	2.050	0.022
100	38	2.084	2.086	0.002
100	39	1.998	2.024	0.026
100	41	2.003	2.018	0.015
100	42	2.181	2.180	-0.001
100	55	2.040	2.044	0.004
100	56	2.007	2.020	0.013
100	57	1.996	2.006	0.010
100	58	2.034	2.032	-0.002
100	59	2.076	2.098	0.022
100	60	2.131	2.134	0.003
100	61	2.052	2.070	0.018
100	62	2.064	2.084	0.020
100	63	2.070	2.072	0.002
100	64	2.080	2.087	0.007
100	66	2.062	2.074	0.012
100	67	2.071	2.086	0.015
105	228	2.139	2.133	-0.006
105	229	2.100	2.075	-0.025
105	230	2.090	2.094	0.004
105	231	2.061	2.042	-0.019
105	232	2.059	2.055	-0.004
	Max	2.181	2.263	0.152
	Average	2.068	2.070	0.002
	Min	1.996	1.980	-0.026
	Std Dev	0.041	0.048	0.025

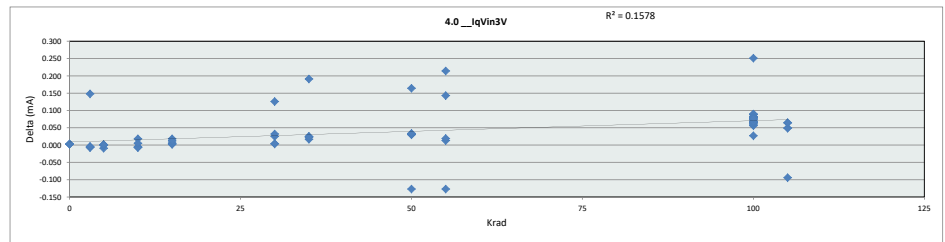


4.5_IshutVin5V															
Test Site	Tester	Test Number	Max Limit	Min Limit	UL	LL	Min	Average	Max	UL					
			2.85	mA											
				mA											
					0	3	5	10	15	30	35	50	55	100	105
					2.000	2.052	2.051	2.043	2.011	2.006	2.005	2.014	1.980	2.006	2.042
					2.066	2.104	2.064	2.067	2.065	2.060	2.077	2.071	2.033	2.073	2.080
					2.107	2.263	2.101	2.136	2.112	2.101	2.164	2.145	2.121	2.180	2.133
					2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850

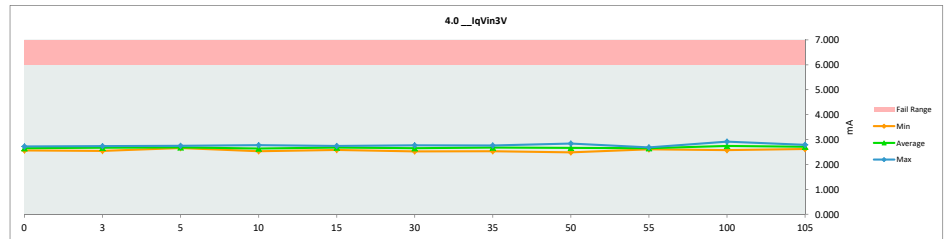


HDR TID Report  
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		4.0_IqVin3V		
Test Site	Tester			
Test Number	Unit	mA	mA	
Max Limit	6			
Min Limit	6			
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	2.724	2.727	0.003
0	140	2.707	2.710	0.003
0	141	2.558	2.561	0.003
0	142	2.622	2.625	0.003
3	1	2.549	2.542	-0.007
3	3	2.538	2.686	0.148
3	4	2.742	2.735	-0.007
3	5	2.675	2.670	-0.005
3	6	2.726	2.722	-0.004
5	173	2.661	2.662	0.001
5	174	2.690	2.681	-0.009
5	175	2.677	2.678	0.001
5	176	2.752	2.751	-0.001
5	177	2.669	2.670	0.001
10	7	2.536	2.531	-0.005
10	8	2.545	2.538	-0.007
10	9	2.697	2.690	-0.007
10	10	2.667	2.685	0.018
10	11	2.770	2.775	0.005
15	178	2.719	2.737	0.018
15	179	2.583	2.585	0.002
15	180	2.698	2.703	0.005
15	181	2.624	2.629	0.005
15	182	2.731	2.743	0.012
30	14	2.531	2.657	0.126
30	15	2.601	2.605	0.004
30	20	2.702	2.727	0.025
30	21	2.524	2.528	0.004
30	23	2.736	2.768	0.032
35	183	2.569	2.760	0.191
35	184	2.637	2.654	0.017
35	219	2.509	2.534	0.025
35	220	2.675	2.699	0.024
35	221	2.729	2.752	0.023
50	25	2.656	2.820	0.164
50	26	2.613	2.486	-0.127
50	27	2.811	2.841	0.030
50	29	2.500	2.530	0.030
50	30	2.633	2.667	0.034
55	222	2.659	2.672	0.013
55	223	2.514	2.657	0.143
55	224	2.622	2.641	0.019
55	226	2.470	2.684	0.214
55	227	2.735	2.608	-0.127
100	31	2.732	2.815	0.083
100	32	2.647	2.711	0.064
100	33	2.724	2.789	0.065
100	35	2.788	2.862	0.074
100	36	2.712	2.792	0.080
100	37	2.667	2.756	0.089
100	38	2.554	2.610	0.056
100	39	2.613	2.702	0.089
100	41	2.438	2.689	0.251
100	42	2.845	2.914	0.069
100	55	2.552	2.579	0.027
100	56	2.640	2.719	0.079
100	57	2.626	2.706	0.080
100	58	2.640	2.698	0.058
100	59	2.708	2.798	0.090
100	60	2.770	2.839	0.069
100	61	2.672	2.755	0.083
100	62	2.657	2.738	0.081
100	63	2.697	2.758	0.061
100	64	2.708	2.773	0.065
100	66	2.545	2.612	0.067
100	67	2.712	2.789	0.077
105	228	2.624	2.673	0.049
105	229	2.724	2.788	0.064
105	230	2.715	2.621	-0.094
105	231	2.694	2.743	0.049
105	232	2.674	2.739	0.065
	Max	2.845	2.914	0.251
	Average	2.653	2.694	0.041
	Min	2.438	2.486	-0.127
	Std Dev	0.085	0.089	0.064

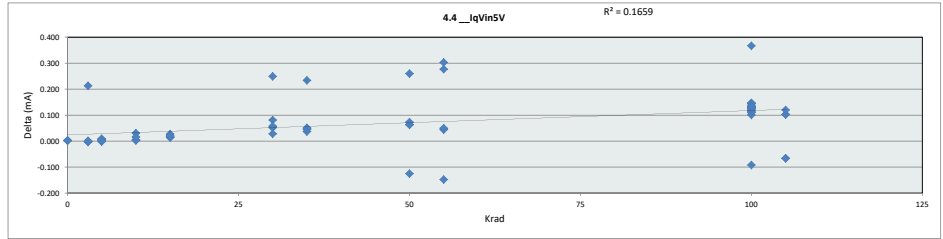


		4.0_IqVin3V														
Test Site	Tester															
Test Number	Unit	mA	mA													
Max Limit	6															
Min Limit	6															
Krad	LL	Min	Average	Max	UL	0	3	5	10	15	30	35	50	55	100	105
		2.561	2.656	2.727	6.000	2.561	2.542	2.662	2.531	2.585	2.528	2.534	2.486	2.608	2.579	2.621
		2.656	2.656	2.727	6.000	2.671	2.671	2.688	2.644	2.679	2.657	2.680	2.669	2.652	2.746	2.713
		2.727	2.727	2.727	6.000	2.735	2.735	2.751	2.775	2.743	2.768	2.760	2.841	2.684	2.914	2.788
		6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000

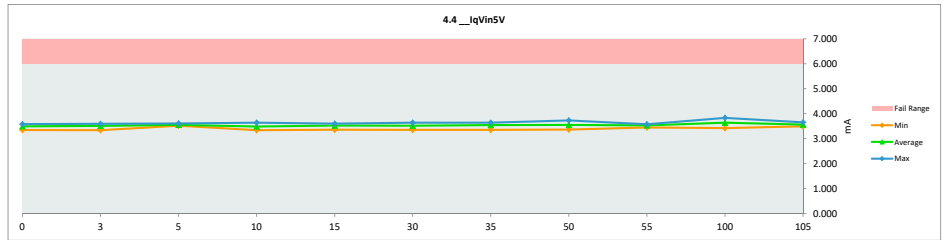


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4.4_IqVin5V				
Test Site	Test Number	Unit	Max Limit	Min Limit
		mA	6	6
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	3.577	3.579	0.002
0	140	3.563	3.566	0.003
0	141	3.342	3.344	0.002
0	142	3.478	3.481	0.003
3	1	3.337	3.337	0.000
3	3	3.331	3.344	0.213
3	4	3.594	3.591	-0.003
3	5	3.523	3.521	-0.002
3	6	3.576	3.577	0.001
5	173	3.515	3.524	0.009
5	174	3.553	3.551	-0.002
5	175	3.535	3.540	0.005
5	176	3.608	3.610	0.002
5	177	3.513	3.518	0.005
10	7	3.331	3.336	0.005
10	8	3.350	3.354	0.004
10	9	3.535	3.538	0.003
10	10	3.518	3.549	0.031
10	11	3.626	3.642	0.016
15	178	3.561	3.588	0.027
15	179	3.344	3.358	0.014
15	180	3.570	3.587	0.017
15	181	3.467	3.482	0.015
15	182	3.580	3.600	0.020
30	14	3.292	3.541	0.249
30	15	3.356	3.437	0.081
30	20	3.562	3.614	0.052
30	21	3.320	3.348	0.028
30	23	3.582	3.640	0.058
35	183	3.408	3.642	0.234
35	184	3.475	3.512	0.037
35	219	3.305	3.353	0.048
35	220	3.534	3.579	0.045
35	221	3.581	3.632	0.051
50	25	3.441	3.701	0.260
50	26	3.487	3.362	-0.125
50	27	3.666	3.730	0.064
50	29	3.340	3.403	0.063
50	30	3.462	3.535	0.073
55	222	3.499	3.543	0.044
55	223	3.276	3.553	0.277
55	224	3.476	3.526	0.050
55	226	3.271	3.574	0.303
55	227	3.592	3.444	-0.148
100	31	3.571	3.715	0.144
100	32	3.491	3.618	0.127
100	33	3.585	3.715	0.130
100	35	3.632	3.763	0.131
100	36	3.563	3.697	0.134
100	37	3.530	3.676	0.146
100	38	3.379	3.480	0.101
100	39	3.466	3.610	0.144
100	41	3.256	3.623	0.367
100	42	3.697	3.830	0.133
100	55	3.305	3.430	0.125
100	56	3.511	3.419	-0.092
100	57	3.462	3.596	0.134
100	58	3.491	3.601	0.110
100	59	3.585	3.730	0.145
100	60	3.631	3.755	0.124
100	61	3.526	3.673	0.147
100	62	3.503	3.635	0.132
100	63	3.548	3.661	0.113
100	64	3.558	3.677	0.119
100	66	3.346	3.472	0.126
100	67	3.560	3.695	0.135
105	228	3.423	3.526	0.103
105	229	3.557	3.491	-0.066
105	230	3.559	3.493	-0.066
105	231	3.545	3.648	0.103
105	232	3.535	3.655	0.120
	Max	3.697	3.830	0.367
	Average	3.488	3.562	0.073
	Min	3.256	3.336	-0.148
	Std Dev	0.108	0.115	0.095

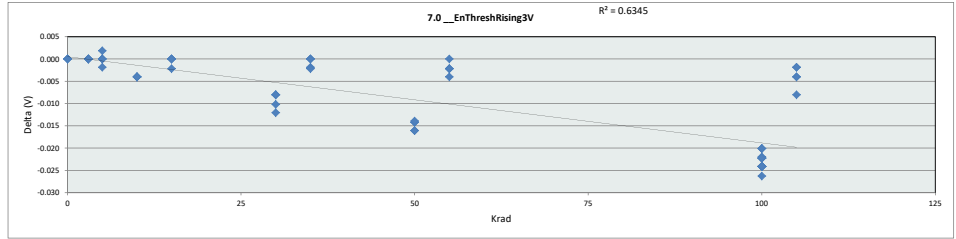


4.4_IqVin5V											
Test Site	Test Number	Unit	Max Limit	Min Limit							
		mA	6	6							
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	3.344	3.337	3.518	3.336	3.358	3.348	3.353	3.362	3.444	3.419	3.491
Min	3.493	3.514	3.549	3.484	3.523	3.516	3.544	3.546	3.528	3.640	3.563
Average	3.579	3.591	3.610	3.642	3.600	3.640	3.642	3.730	3.574	3.830	3.655
Max	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000
UL	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000

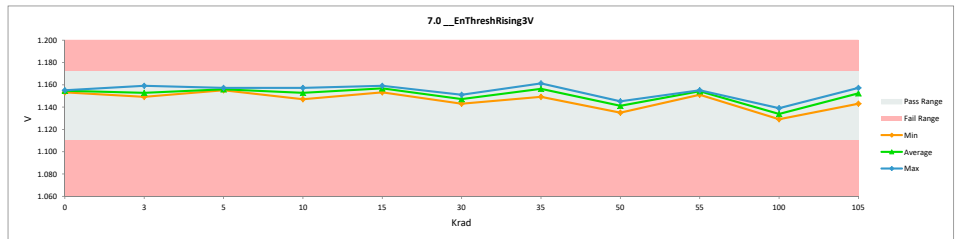


HDR TID Report  
POLARIS - TPS7H4001-SP

		7.0_EnThreshRising3V		
Test Site	Tester			
Test Number	Unit	V	V	
Max Limit		1.172	1.172	
Min Limit		1.11	1.11	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	1.155	1.155	0.000
0	140	1.155	1.155	0.000
0	141	1.155	1.155	0.000
0	142	1.153	1.153	0.000
3	1	1.153	1.153	0.000
3	3	1.149	1.149	0.000
3	4	1.151	1.151	0.000
3	5	1.159	1.159	0.000
3	6	1.151	1.151	0.000
5	173	1.159	1.157	-0.002
5	174	1.155	1.155	0.000
5	175	1.157	1.157	0.000
5	176	1.155	1.155	0.000
5	177	1.153	1.155	0.002
10	7	1.155	1.151	-0.004
10	8	1.161	1.157	-0.004
10	9	1.161	1.157	-0.004
10	10	1.155	1.151	-0.004
10	11	1.151	1.147	-0.004
15	178	1.157	1.157	0.000
15	179	1.161	1.159	-0.002
15	180	1.153	1.153	0.000
15	181	1.155	1.155	0.000
15	182	1.159	1.159	0.000
30	14	1.155	1.143	-0.012
30	15	1.155	1.147	-0.008
30	20	1.159	1.145	-0.008
30	21	1.157	1.149	-0.008
30	23	1.161	1.151	-0.010
35	183	1.149	1.149	0.000
35	184	1.163	1.161	-0.002
35	219	1.159	1.159	0.000
35	220	1.157	1.155	-0.002
35	221	1.157	1.157	0.000
50	25	1.149	1.135	-0.014
50	26	1.161	1.145	-0.016
50	27	1.157	1.143	-0.014
50	29	1.161	1.145	-0.016
50	30	1.151	1.137	-0.014
55	222	1.155	1.155	0.000
55	223	1.157	1.155	-0.002
55	224	1.157	1.155	-0.002
55	226	1.157	1.155	-0.002
55	227	1.155	1.151	-0.004
100	31	1.155	1.131	-0.024
100	32	1.161	1.137	-0.024
100	33	1.157	1.137	-0.020
100	35	1.161	1.137	-0.024
100	36	1.155	1.131	-0.024
100	37	1.159	1.135	-0.024
100	38	1.153	1.133	-0.020
100	39	1.159	1.139	-0.020
100	41	1.155	1.131	-0.024
100	42	1.153	1.129	-0.024
100	55	1.157	1.135	-0.022
100	56	1.157	1.133	-0.024
100	57	1.153	1.131	-0.022
100	58	1.159	1.137	-0.022
100	59	1.157	1.133	-0.024
100	60	1.157	1.133	-0.024
100	61	1.161	1.139	-0.022
100	62	1.155	1.131	-0.024
100	63	1.157	1.131	-0.026
100	64	1.157	1.135	-0.022
100	66	1.155	1.131	-0.024
100	67	1.157	1.135	-0.022
105	228	1.151	1.143	-0.008
105	229	1.155	1.153	-0.002
105	230	1.157	1.153	-0.004
105	231	1.159	1.155	-0.004
105	232	1.159	1.157	-0.002
	Max	1.163	1.161	0.002
	Average	1.156	1.147	-0.010
	Min	1.149	1.129	-0.026
	Std Dev	0.003	0.010	0.010



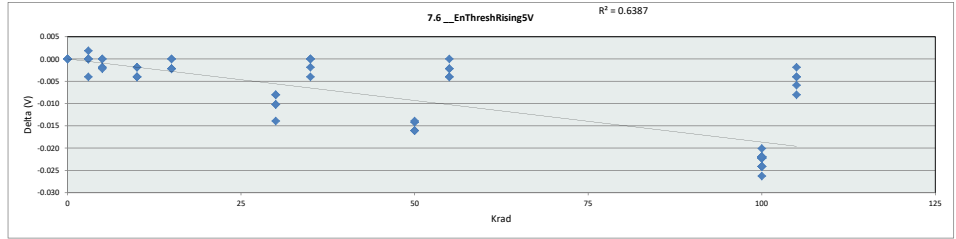
		7.0_EnThreshRising3V										
Test Site	Tester											
Test Number	Unit	V	V									
Max Limit		1.172	V									
Min Limit		1.11	V									
Krad	LL	Min	Average	Max	UL							
0	1.110	1.153	1.155	1.155	1.172							
3	1.110	1.149	1.155	1.147	1.172							
5	1.110	1.155	1.155	1.147	1.172							
10	1.110	1.153	1.157	1.159	1.172							
15	1.110	1.157	1.157	1.159	1.172							
30	1.110	1.143	1.149	1.145	1.172							
35	1.110	1.149	1.135	1.151	1.172							
50	1.110	1.135	1.151	1.155	1.172							
55	1.110	1.151	1.155	1.155	1.172							
100	1.110	1.129	1.135	1.139	1.172							
105	1.110	1.129	1.143	1.157	1.172							



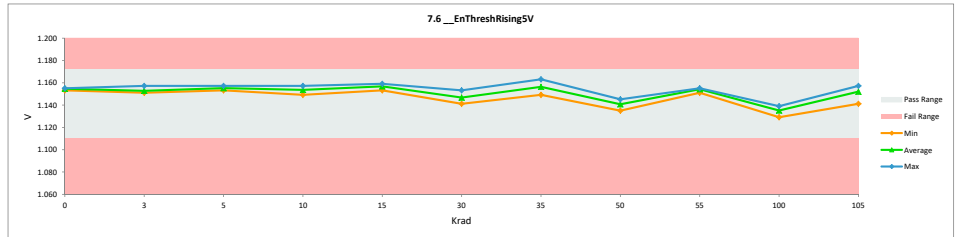


HDR TID Report  
POLARIS - TPS7H4001-SP

		7.6_EnThreshRising5V		
Test Site	Tester			
Test Number	Unit	V	V	
Max Limit		1.172	1.172	
Min Limit		1.11	1.11	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	1.155	1.155	0.000
0	140	1.155	1.155	0.000
0	141	1.155	1.155	0.000
0	142	1.153	1.153	0.000
3	1	1.153	1.153	0.000
3	3	1.149	1.151	0.002
3	4	1.151	1.151	0.000
3	5	1.161	1.157	-0.004
3	6	1.151	1.151	0.000
5	173	1.159	1.157	-0.002
5	174	1.155	1.153	-0.002
5	175	1.157	1.155	-0.002
5	176	1.155	1.155	0.000
5	177	1.155	1.155	0.000
10	7	1.155	1.151	-0.004
10	8	1.161	1.157	-0.004
10	9	1.161	1.157	-0.004
10	10	1.155	1.153	-0.002
10	11	1.151	1.149	-0.002
15	178	1.157	1.157	0.000
15	179	1.161	1.159	-0.002
15	180	1.153	1.153	0.000
15	181	1.157	1.155	-0.002
15	182	1.161	1.159	-0.002
30	14	1.155	1.141	-0.014
30	15	1.157	1.147	-0.010
30	20	1.153	1.143	-0.010
30	21	1.157	1.149	-0.008
30	23	1.161	1.153	-0.008
35	183	1.149	1.149	0.000
35	184	1.163	1.163	0.000
35	219	1.159	1.157	-0.002
35	220	1.159	1.155	-0.004
35	221	1.157	1.157	0.000
50	25	1.149	1.135	-0.014
50	26	1.161	1.145	-0.016
50	27	1.157	1.141	-0.016
50	29	1.161	1.145	-0.016
50	30	1.151	1.137	-0.014
55	222	1.155	1.155	0.000
55	223	1.159	1.155	-0.004
55	224	1.157	1.155	-0.002
55	226	1.157	1.155	-0.002
55	227	1.155	1.151	-0.004
100	31	1.155	1.133	-0.022
100	32	1.161	1.137	-0.024
100	33	1.159	1.137	-0.022
100	35	1.161	1.137	-0.024
100	36	1.155	1.131	-0.024
100	37	1.159	1.137	-0.022
100	38	1.155	1.135	-0.020
100	39	1.161	1.139	-0.022
100	41	1.157	1.131	-0.026
100	42	1.153	1.129	-0.024
100	55	1.159	1.137	-0.022
100	56	1.157	1.135	-0.022
100	57	1.155	1.133	-0.022
100	58	1.159	1.137	-0.022
100	59	1.157	1.135	-0.022
100	60	1.157	1.135	-0.022
100	61	1.161	1.139	-0.022
100	62	1.155	1.133	-0.022
100	63	1.157	1.135	-0.022
100	64	1.159	1.137	-0.022
100	66	1.155	1.133	-0.022
100	67	1.159	1.135	-0.024
105	228	1.149	1.141	-0.008
105	229	1.157	1.153	-0.004
105	230	1.159	1.153	-0.006
105	231	1.159	1.155	-0.004
105	232	1.159	1.157	-0.002
	Max	1.163	1.163	0.002
	Average	1.157	1.147	-0.010
	Min	1.149	1.129	-0.026
	Std Dev	0.003	0.009	0.010

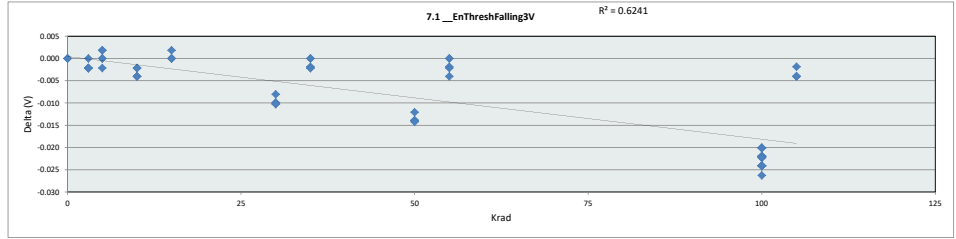


		7.6_EnThreshRising5V										
Test Site	Tester											
Test Number	Unit	V	V									
Max Limit		1.172	1.172									
Min Limit		1.11	1.11									
Krad	LL	Min	Average	Max	UL							
0	1.110	1.153	1.155	1.155	1.172							
3	1.110	1.151	1.153	1.153	1.172							
5	1.110	1.153	1.155	1.155	1.172							
10	1.110	1.149	1.153	1.153	1.172							
15	1.110	1.141	1.149	1.149	1.172							
30	1.110	1.147	1.157	1.157	1.172							
35	1.110	1.156	1.163	1.163	1.172							
50	1.110	1.141	1.145	1.145	1.172							
55	1.110	1.154	1.155	1.155	1.172							
100	1.110	1.139	1.139	1.139	1.172							
105	1.110	1.129	1.135	1.135	1.172							

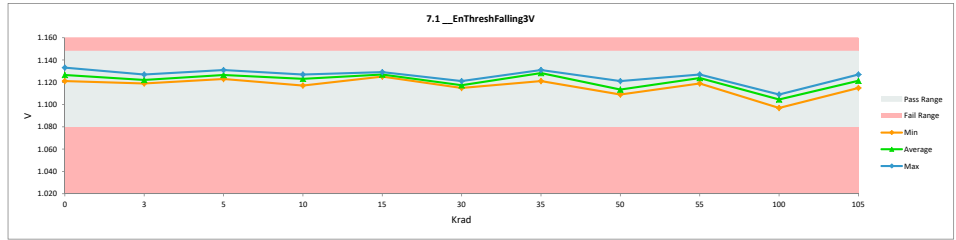


HDR TID Report  
POLARIS - TPS7H4001-SP

		7.1_EnThreshFalling3V		
Test Site	Tester			
Test Number	Unit	V	V	
Max Limit		1.148	1.148	
Min Limit		1.08	1.08	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	1.121	1.121	0.000
0	140	1.133	1.133	0.000
0	141	1.129	1.129	0.000
0	142	1.123	1.123	0.000
3	1	1.125	1.123	-0.002
3	3	1.123	1.123	0.000
3	4	1.121	1.119	-0.002
3	5	1.129	1.127	-0.002
3	6	1.121	1.119	-0.002
5	173	1.125	1.127	0.002
5	174	1.125	1.125	0.000
5	175	1.131	1.131	0.000
5	176	1.129	1.127	-0.002
5	177	1.121	1.123	0.002
10	7	1.125	1.123	-0.002
10	8	1.131	1.127	-0.004
10	9	1.129	1.127	-0.002
10	10	1.125	1.121	-0.004
10	11	1.121	1.117	-0.004
15	178	1.129	1.129	0.000
15	179	1.127	1.127	0.000
15	180	1.125	1.125	0.000
15	181	1.125	1.127	0.002
15	182	1.127	1.127	0.000
30	14	1.127	1.117	-0.010
30	15	1.129	1.119	-0.010
30	20	1.125	1.115	-0.010
30	21	1.125	1.115	-0.010
30	23	1.129	1.121	-0.008
35	183	1.121	1.121	0.000
35	184	1.133	1.131	-0.002
35	219	1.129	1.129	0.000
35	220	1.131	1.129	-0.002
35	221	1.133	1.131	-0.002
50	25	1.123	1.109	-0.014
50	26	1.133	1.121	-0.012
50	27	1.123	1.109	-0.014
50	29	1.131	1.117	-0.014
50	30	1.125	1.111	-0.014
55	222	1.125	1.125	0.000
55	223	1.127	1.123	-0.004
55	224	1.127	1.127	0.000
55	226	1.127	1.125	-0.002
55	227	1.121	1.119	-0.002
100	31	1.123	1.101	-0.022
100	32	1.129	1.107	-0.022
100	33	1.127	1.107	-0.020
100	35	1.129	1.105	-0.024
100	36	1.127	1.103	-0.024
100	37	1.127	1.103	-0.024
100	38	1.123	1.103	-0.020
100	39	1.131	1.109	-0.022
100	41	1.129	1.109	-0.020
100	42	1.119	1.097	-0.022
100	55	1.127	1.103	-0.024
100	56	1.131	1.109	-0.022
100	57	1.129	1.105	-0.024
100	58	1.127	1.105	-0.022
100	59	1.127	1.103	-0.024
100	60	1.125	1.103	-0.022
100	61	1.133	1.109	-0.024
100	62	1.123	1.101	-0.022
100	63	1.129	1.103	-0.026
100	64	1.127	1.107	-0.020
100	66	1.125	1.105	-0.020
100	67	1.125	1.103	-0.022
105	228	1.119	1.115	-0.004
105	229	1.123	1.121	-0.002
105	230	1.125	1.121	-0.004
105	231	1.127	1.123	-0.004
105	232	1.131	1.127	-0.004
	Max	1.133	1.133	0.002
	Average	1.127	1.117	-0.009
	Min	1.119	1.097	-0.026
	Std Dev	0.004	0.010	0.010

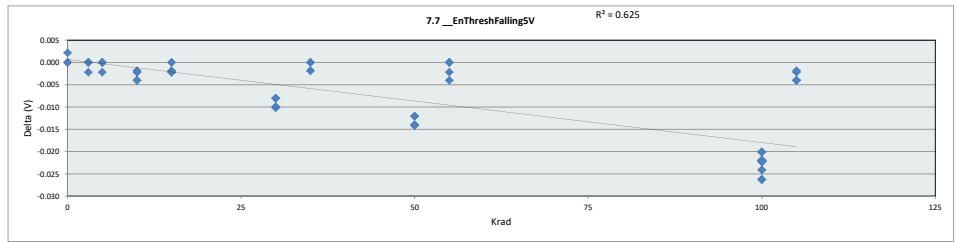


		7.1_EnThreshFalling3V														
Test Site	Tester															
Test Number	Unit	V	V													
Max Limit		1.148	V													
Min Limit		1.08	V													
Krad	LL	Min	Average	Max	UL	0	3	5	10	15	30	35	50	55	100	105
	1.080	1.121	1.127	1.133	1.148	1.080	1.119	1.123	1.117	1.125	1.115	1.121	1.119	1.109	1.080	1.080
	1.127	1.122	1.127	1.123	1.127	1.127	1.122	1.127	1.123	1.127	1.117	1.128	1.113	1.124	1.105	1.121
	1.133	1.127	1.131	1.127	1.129	1.121	1.131	1.127	1.129	1.121	1.131	1.121	1.127	1.109	1.109	1.127
	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148

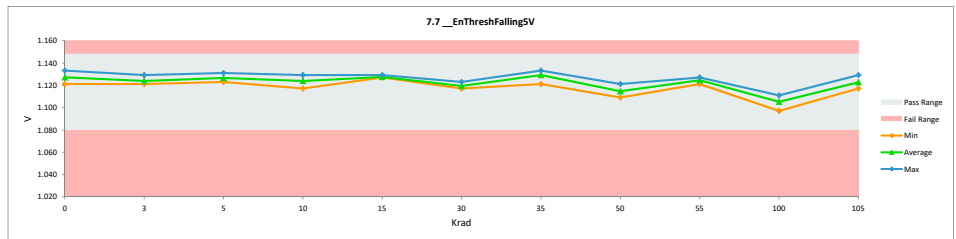


HDR TID Report  
POLARIS - TPS7H4001-SP

		7.7_EnThreshFallingSV		
Test Site	Tester			
Test Number	Unit	V	V	
Max Limit		1.148	1.148	
Min Limit		1.08	1.08	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	1.121	1.121	0.000
0	140	1.133	1.133	0.000
0	141	1.129	1.129	0.000
0	142	1.123	1.125	0.002
3	1	1.125	1.125	0.000
3	3	1.125	1.123	-0.002
3	4	1.121	1.121	0.000
3	5	1.129	1.129	0.000
3	6	1.121	1.121	0.000
5	173	1.127	1.127	0.000
5	174	1.125	1.125	0.000
5	175	1.131	1.131	0.000
5	176	1.129	1.127	-0.002
5	177	1.123	1.123	0.000
10	7	1.125	1.123	-0.002
10	8	1.131	1.129	-0.002
10	9	1.131	1.127	-0.004
10	10	1.125	1.123	-0.002
10	11	1.121	1.117	-0.004
15	178	1.131	1.129	-0.002
15	179	1.129	1.127	-0.002
15	180	1.127	1.127	0.000
15	181	1.127	1.127	0.000
15	182	1.129	1.127	-0.002
30	14	1.129	1.119	-0.010
30	15	1.129	1.121	-0.008
30	20	1.125	1.117	-0.008
30	21	1.127	1.117	-0.010
30	23	1.131	1.123	-0.008
35	183	1.121	1.121	0.000
35	184	1.133	1.133	0.000
35	219	1.131	1.129	-0.002
35	220	1.131	1.129	-0.002
35	221	1.133	1.133	0.000
50	25	1.123	1.111	-0.012
50	26	1.133	1.121	-0.012
50	27	1.123	1.109	-0.014
50	29	1.133	1.119	-0.014
50	30	1.125	1.113	-0.012
55	222	1.125	1.125	0.000
55	223	1.127	1.123	-0.004
55	224	1.127	1.127	0.000
55	226	1.129	1.127	-0.002
55	227	1.121	1.121	0.000
100	31	1.123	1.101	-0.022
100	32	1.129	1.107	-0.022
100	33	1.129	1.107	-0.022
100	35	1.129	1.105	-0.024
100	36	1.129	1.103	-0.026
100	37	1.129	1.103	-0.026
100	38	1.123	1.103	-0.020
100	39	1.131	1.109	-0.022
100	41	1.131	1.109	-0.022
100	42	1.119	1.097	-0.022
100	55	1.127	1.105	-0.022
100	56	1.133	1.109	-0.024
100	57	1.129	1.107	-0.022
100	58	1.127	1.107	-0.020
100	59	1.127	1.105	-0.022
100	60	1.125	1.103	-0.022
100	61	1.133	1.111	-0.022
100	62	1.123	1.103	-0.020
100	63	1.129	1.103	-0.026
100	64	1.129	1.107	-0.022
100	66	1.125	1.105	-0.020
100	67	1.125	1.105	-0.020
105	228	1.121	1.117	-0.004
105	229	1.125	1.123	-0.002
105	230	1.125	1.121	-0.004
105	231	1.127	1.123	-0.004
105	232	1.131	1.129	-0.002
Max		1.133	1.133	0.002
Average		1.127	1.118	-0.009
Min		1.119	1.097	-0.026
Std Dev		0.004	0.010	0.010



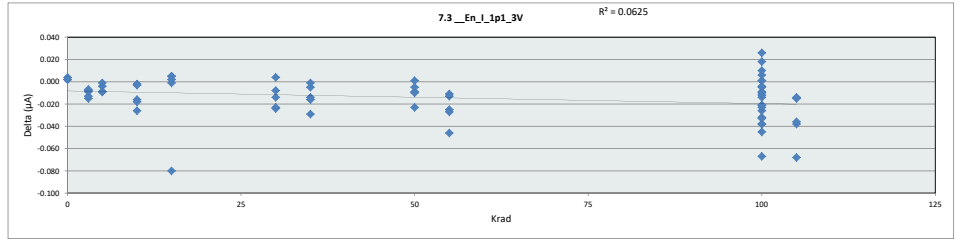
		7.7_EnThreshFallingSV														
Test Site	Tester															
Test Number	Unit	V	V													
Max Limit		1.148	V													
Min Limit		1.08	V													
Krad	LL	Min	Average	Max	UL	0	3	5	10	15	30	35	50	55	100	105
	1.080	1.121	1.127	1.133	1.148	1.080	1.121	1.123	1.117	1.127	1.119	1.129	1.115	1.125	1.105	1.123
	1.127	1.124	1.127	1.129	1.148	1.080	1.121	1.123	1.117	1.127	1.119	1.129	1.115	1.125	1.105	1.123
	1.133	1.129	1.131	1.129	1.148	1.080	1.121	1.123	1.117	1.127	1.119	1.129	1.115	1.125	1.105	1.123
	1.148	1.148	1.148	1.148	1.148	1.080	1.121	1.123	1.117	1.127	1.119	1.129	1.115	1.125	1.105	1.123



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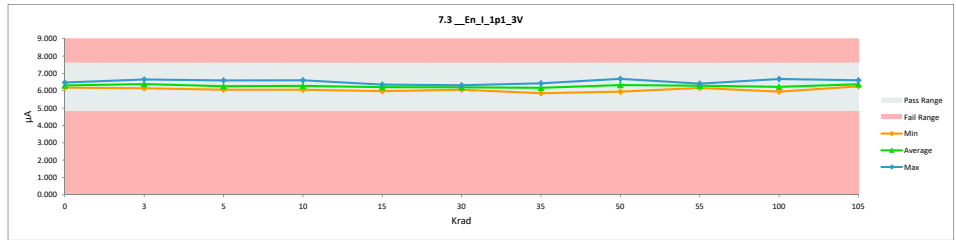
		7.3_En_I_1p1_3V	
Test Site	Tester		
Test Number			
Unit		µA	µA
Max Limit		7.6	7.6
Min Limit		4.8	4.8

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	6.476	6.478	0.002
0	140	6.308	6.312	0.004
0	141	6.276	6.278	0.002
0	142	6.176	6.178	0.002
3	1	6.442	6.427	-0.015
3	3	6.270	6.257	-0.013
3	4	6.659	6.651	-0.008
3	5	6.146	6.139	-0.007
3	6	6.455	6.446	-0.009
5	173	6.302	6.293	-0.009
5	174	6.090	6.081	-0.009
5	175	6.071	6.062	-0.009
5	176	6.596	6.592	-0.004
5	177	6.287	6.286	-0.001
10	7	6.213	6.197	-0.016
10	8	6.234	6.216	-0.018
10	9	6.088	6.062	-0.026
10	10	6.306	6.304	-0.002
10	11	6.608	6.605	-0.003
15	178	6.304	6.309	0.005
15	179	6.205	6.125	-0.080
15	180	6.259	6.258	-0.001
15	181	5.968	5.973	0.005
15	182	6.355	6.357	0.002
30	14	6.119	6.111	-0.008
30	15	6.340	6.316	-0.024
30	20	6.260	6.246	-0.014
30	21	6.059	6.063	0.004
30	23	6.283	6.260	-0.023
35	183	6.441	6.427	-0.014
35	184	5.887	5.858	-0.029
35	219	6.038	6.033	-0.005
35	220	6.241	6.240	-0.001
35	221	6.298	6.282	-0.016
50	25	6.682	6.683	0.001
50	26	5.960	5.951	-0.009
50	27	6.490	6.480	-0.010
50	29	6.169	6.164	-0.005
50	30	6.381	6.358	-0.023
55	222	6.431	6.406	-0.025
55	223	6.272	6.226	-0.046
55	224	6.293	6.266	-0.027
55	226	6.171	6.160	-0.011
55	227	6.388	6.375	-0.013
100	31	6.236	6.237	0.001
100	32	5.999	5.961	-0.038
100	33	6.379	6.365	-0.014
100	35	6.455	6.423	-0.032
100	36	6.332	6.342	0.010
100	37	6.150	6.117	-0.033
100	38	6.455	6.417	-0.038
100	39	6.203	6.229	0.026
100	41	5.979	5.980	0.001
100	42	6.700	6.674	-0.026
100	55	6.237	6.228	-0.009
100	56	6.092	6.080	-0.012
100	57	6.158	6.153	-0.005
100	58	6.082	6.100	0.018
100	59	6.248	6.254	0.006
100	60	6.441	6.396	-0.045
100	61	5.974	5.951	-0.023
100	62	6.183	6.173	-0.010
100	63	6.222	6.218	-0.004
100	64	6.246	6.225	-0.021
100	66	6.350	6.283	-0.067
100	67	6.256	6.235	-0.021
105	228	6.646	6.608	-0.038
105	229	6.286	6.250	-0.036
105	230	6.399	6.384	-0.015
105	231	6.458	6.390	-0.068
105	232	6.263	6.249	-0.014
	Max	6.700	6.683	0.026
	Average	6.278	6.264	-0.014
	Min	5.887	5.858	-0.080
	Std Dev	0.180	0.178	0.019



		7.3_En_I_1p1_3V	
Test Site	Tester		
Test Number			
Unit		µA	µA
Max Limit		7.6	7.6
Min Limit		4.8	4.8

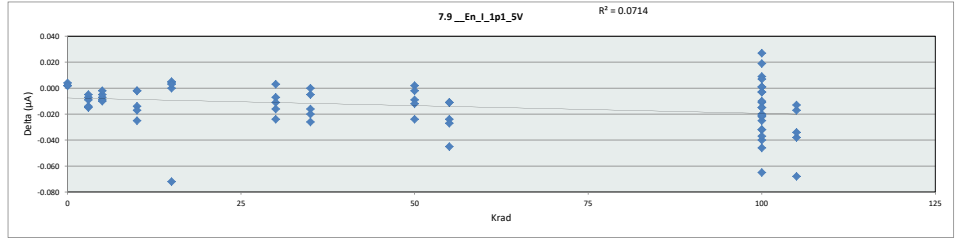
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
Min	6.178	6.139	6.062	6.062	5.973	6.063	5.858	5.951	6.160	5.951	6.249
Average	6.312	6.384	6.263	6.277	6.204	6.199	6.168	6.327	6.287	6.229	6.376
Max	6.478	6.651	6.592	6.605	6.357	6.316	6.427	6.683	6.406	6.674	6.608
UL	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600



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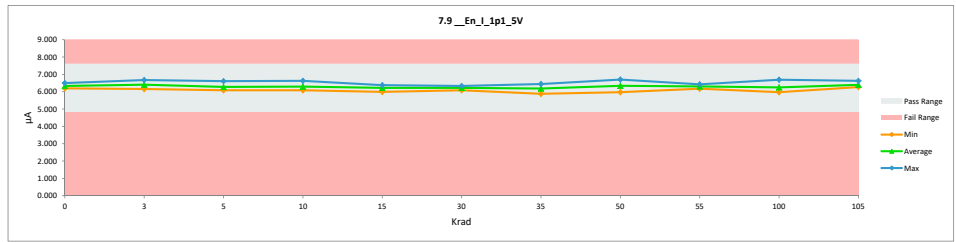
		7.9_En_I_1p1_5V	
Test Site	Tester		
Test Number			
Unit		µA	µA
Max Limit		7.6	7.6
Min Limit		4.8	4.8

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	6.495	6.497	0.002
0	140	6.328	6.330	0.002
0	141	6.294	6.298	0.004
0	142	6.196	6.198	0.002
3	1	6.462	6.447	-0.015
3	3	6.291	6.277	-0.014
3	4	6.679	6.672	-0.007
3	5	6.164	6.159	-0.005
3	6	6.475	6.466	-0.009
5	173	6.320	6.311	-0.009
5	174	6.108	6.101	-0.007
5	175	6.091	6.081	-0.010
5	176	6.617	6.612	-0.005
5	177	6.309	6.307	-0.002
10	7	6.231	6.217	-0.014
10	8	6.253	6.236	-0.017
10	9	6.106	6.081	-0.025
10	10	6.325	6.323	-0.002
10	11	6.628	6.626	-0.002
15	178	6.324	6.328	0.004
15	179	6.225	6.153	-0.072
15	180	6.279	6.279	0.000
15	181	5.987	5.992	0.005
15	182	6.375	6.378	0.003
30	14	6.138	6.131	-0.007
30	15	6.359	6.335	-0.024
30	20	6.279	6.268	-0.011
30	21	6.078	6.081	0.003
30	23	6.299	6.283	-0.016
35	183	6.463	6.447	-0.016
35	184	5.905	5.879	-0.026
35	219	6.058	6.053	-0.005
35	220	6.260	6.260	0.000
35	221	6.320	6.300	-0.020
50	25	6.702	6.704	0.002
50	26	5.978	5.969	-0.009
50	27	6.511	6.499	-0.012
50	29	6.186	6.184	-0.002
50	30	6.402	6.378	-0.024
55	222	6.451	6.427	-0.024
55	223	6.291	6.246	-0.045
55	224	6.313	6.286	-0.027
55	226	6.190	6.179	-0.011
55	227	6.408	6.397	-0.011
100	31	6.255	6.256	0.001
100	32	6.019	5.979	-0.040
100	33	6.398	6.383	-0.015
100	35	6.475	6.443	-0.032
100	36	6.352	6.361	0.009
100	37	6.168	6.136	-0.032
100	38	6.475	6.438	-0.037
100	39	6.222	6.249	0.027
100	41	5.997	5.998	0.001
100	42	6.720	6.695	-0.025
100	55	6.259	6.248	-0.011
100	56	6.113	6.098	-0.015
100	57	6.176	6.173	-0.003
100	58	6.101	6.120	0.019
100	59	6.267	6.274	0.007
100	60	6.461	6.415	-0.046
100	61	5.992	5.972	-0.020
100	62	6.202	6.192	-0.010
100	63	6.241	6.238	-0.003
100	64	6.266	6.244	-0.022
100	66	6.368	6.303	-0.065
100	67	6.274	6.253	-0.021
105	228	6.667	6.629	-0.038
105	229	6.303	6.269	-0.034
105	230	6.421	6.404	-0.017
105	231	6.478	6.410	-0.068
105	232	6.282	6.269	-0.013
	Max	6.720	6.704	0.027
	Average	6.297	6.283	-0.014
	Min	5.905	5.879	-0.026
	Std Dev	0.180	0.178	0.018



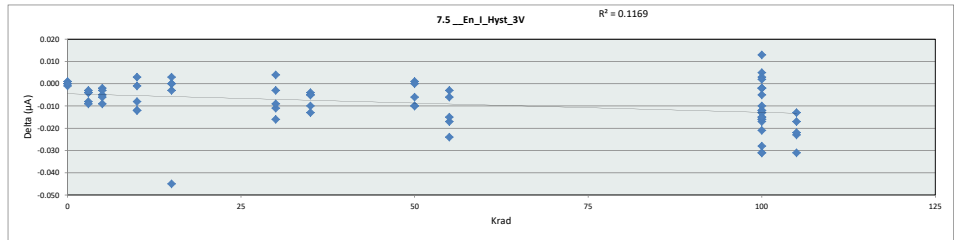
		7.9_En_I_1p1_5V	
Test Site	Tester		
Test Number			
Unit		µA	µA
Max Limit		7.6	7.6
Min Limit		4.8	4.8

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
Min	6.198	6.159	6.081	6.081	5.992	6.081	5.879	5.969	6.179	5.972	6.269
Average	6.331	6.404	6.282	6.297	6.226	6.220	6.188	6.347	6.307	6.249	6.396
Max	6.497	6.672	6.612	6.626	6.378	6.335	6.447	6.704	6.427	6.695	6.629
UL	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600

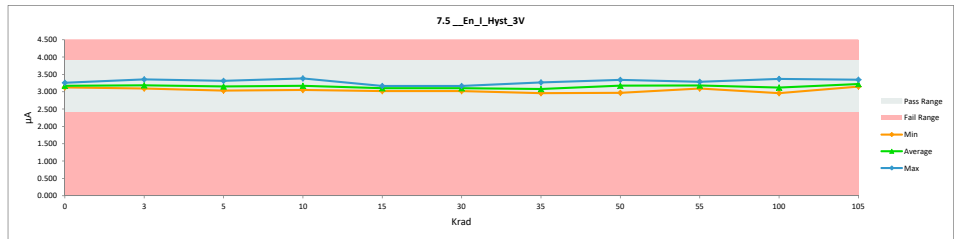


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		7.5_En_I_Hyst_3V		
Test Site	Tester			
Test Number				
Unit		µA	µA	
Max Limit		3.9	3.9	
Min Limit		2.4	2.4	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	3.259	3.259	0.000
0	140	3.124	3.123	-0.001
0	141	3.148	3.149	0.001
0	142	3.145	3.145	0.000
3	1	3.136	3.128	-0.008
3	3	3.103	3.094	-0.009
3	4	3.350	3.356	-0.004
3	5	3.130	3.126	-0.004
3	6	3.225	3.222	-0.003
5	173	3.179	3.170	-0.009
5	174	3.088	3.083	-0.005
5	175	3.040	3.034	-0.006
5	176	3.318	3.316	-0.002
5	177	3.169	3.166	-0.003
10	7	3.110	3.102	-0.008
10	8	3.122	3.110	-0.012
10	9	3.064	3.052	-0.012
10	10	3.211	3.210	-0.001
10	11	3.381	3.384	0.003
15	178	3.132	3.132	0.000
15	179	3.125	3.080	-0.045
15	180	3.126	3.123	-0.003
15	181	3.017	3.017	0.000
15	182	3.164	3.167	0.003
30	14	3.039	3.036	-0.003
30	15	3.183	3.167	-0.016
30	20	3.149	3.138	-0.011
30	21	3.013	3.017	0.004
30	23	3.162	3.153	-0.009
35	183	3.271	3.266	-0.005
35	184	2.970	2.957	-0.013
35	219	2.997	2.993	-0.004
35	220	3.082	3.077	-0.005
35	221	3.104	3.094	-0.010
50	25	3.342	3.343	0.001
50	26	2.977	2.967	-0.010
50	27	3.314	3.308	-0.006
50	29	3.108	3.108	0.000
50	30	3.157	3.147	-0.010
55	222	3.303	3.286	-0.017
55	223	3.133	3.109	-0.024
55	224	3.177	3.162	-0.015
55	226	3.098	3.095	-0.003
55	227	3.250	3.244	-0.006
100	31	3.185	3.180	-0.005
100	32	3.035	3.007	-0.028
100	33	3.212	3.197	-0.015
100	35	3.223	3.206	-0.017
100	36	3.168	3.173	0.005
100	37	3.062	3.046	-0.016
100	38	3.352	3.331	-0.021
100	39	3.096	3.109	0.013
100	41	2.960	2.958	-0.002
100	42	3.384	3.371	-0.013
100	55	3.099	3.087	-0.012
100	56	3.036	3.026	-0.010
100	57	3.064	3.062	-0.002
100	58	3.077	3.080	0.003
100	59	3.100	3.102	0.002
100	60	3.196	3.165	-0.031
100	61	3.009	2.993	-0.016
100	62	3.031	3.019	-0.012
100	63	3.134	3.132	-0.002
100	64	3.111	3.098	-0.013
100	66	3.198	3.167	-0.031
100	67	3.162	3.147	-0.015
105	228	3.368	3.345	-0.023
105	229	3.190	3.168	-0.022
105	230	3.227	3.214	-0.013
105	231	3.269	3.238	-0.031
105	232	3.167	3.150	-0.017
	Max	3.384	3.384	0.013
	Average	3.152	3.143	-0.009
	Min	2.960	2.957	-0.045
	Std Dev	0.103	0.103	0.010

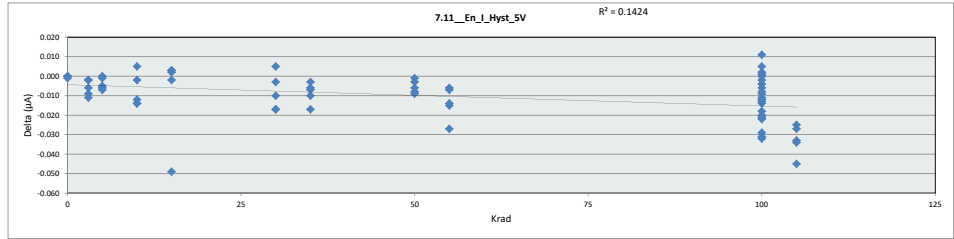


		7.5_En_I_Hyst_3V										
Test Site	Tester											
Test Number												
Max Limit		3.9	µA									
Min Limit		2.4	µA									
Krad		0	3	5	10	15	30	35	50	55	100	105
LL		2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400
Min		3.123	3.094	3.034	3.052	3.017	3.017	2.957	2.967	3.095	2.958	3.150
Average		3.169	3.185	3.154	3.172	3.104	3.102	3.077	3.175	3.179	3.121	3.223
Max		3.259	3.356	3.316	3.384	3.167	3.167	3.266	3.343	3.286	3.371	3.345
UL		3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900

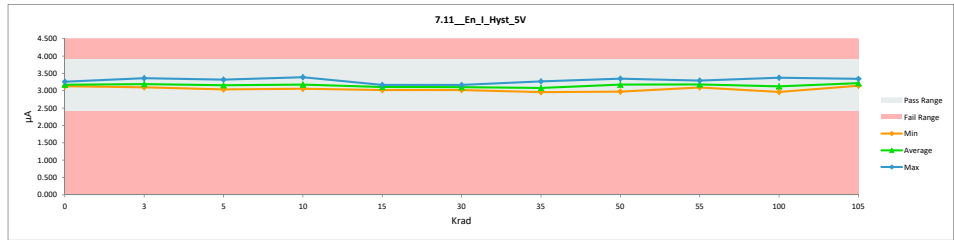


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7.11_En_I_Hyst_5V				
Test Site	Tester	Test Number	Unit	
			µA	µA
			Max Limit	3.9
			Min Limit	2.4
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	3.262	3.262	0.000
0	140	3.129	3.129	0.000
0	141	3.154	3.154	0.000
0	142	3.149	3.148	-0.001
3	1	3.143	3.134	-0.009
3	3	3.108	3.097	-0.011
3	4	3.368	3.362	-0.006
3	5	3.133	3.131	-0.002
3	6	3.230	3.228	-0.002
5	173	3.182	3.177	-0.005
5	174	3.092	3.086	-0.006
5	175	3.045	3.038	-0.007
5	176	3.321	3.321	0.000
5	177	3.171	3.170	-0.001
10	7	3.117	3.105	-0.012
10	8	3.127	3.113	-0.014
10	9	3.070	3.056	-0.014
10	10	3.214	3.212	-0.002
10	11	3.385	3.390	0.005
15	178	3.136	3.138	0.002
15	179	3.130	3.081	-0.049
15	180	3.130	3.128	-0.002
15	181	3.019	3.022	0.003
15	182	3.167	3.170	0.003
30	14	3.043	3.040	-0.003
30	15	3.187	3.170	-0.017
30	20	3.152	3.142	-0.010
30	21	3.017	3.022	0.005
30	23	3.170	3.153	-0.017
35	183	3.276	3.269	-0.007
35	184	2.976	2.959	-0.017
35	219	3.002	2.999	-0.003
35	220	3.086	3.080	-0.006
35	221	3.109	3.099	-0.010
50	25	3.348	3.347	-0.001
50	26	2.980	2.972	-0.008
50	27	3.317	3.314	-0.003
50	29	3.116	3.110	-0.006
50	30	3.159	3.150	-0.009
55	222	3.308	3.293	-0.015
55	223	3.138	3.111	-0.027
55	224	3.181	3.167	-0.014
55	226	3.102	3.096	-0.006
55	227	3.257	3.250	-0.007
100	31	3.190	3.186	-0.004
100	32	3.040	3.011	-0.029
100	33	3.216	3.203	-0.013
100	35	3.229	3.209	-0.020
100	36	3.173	3.178	0.005
100	37	3.067	3.049	-0.018
100	38	3.357	3.336	-0.021
100	39	3.102	3.113	0.011
100	41	2.965	2.962	-0.002
100	42	3.390	3.376	-0.014
100	55	3.102	3.091	-0.011
100	56	3.040	3.031	-0.009
100	57	3.071	3.065	-0.006
100	58	3.080	3.081	0.001
100	59	3.105	3.107	0.002
100	60	3.204	3.173	-0.031
100	61	3.016	2.994	-0.022
100	62	3.034	3.026	-0.008
100	63	3.138	3.138	0.000
100	64	3.115	3.103	-0.012
100	66	3.203	3.171	-0.032
100	67	3.167	3.155	-0.012
105	228	3.375	3.341	-0.034
105	229	3.196	3.163	-0.033
105	230	3.232	3.207	-0.025
105	231	3.274	3.229	-0.045
105	232	3.172	3.145	-0.027
	Max	3.390	3.390	0.011
	Average	3.157	3.147	-0.010
	Min	2.965	2.959	-0.049
	Std Dev	0.103	0.102	0.012

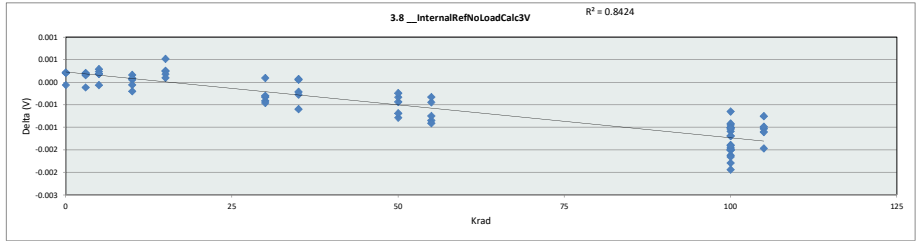


7.11_En_I_Hyst_5V										
Test Site	Tester	Test Number	Unit							
			µA	µA						
			Max Limit	3.9						
			Min Limit	2.4						
Krad	LL	Min	Average	Max	UL					
0	2.400	2.400	2.400	2.400	2.400	3	5	10	15	30
3	3.129	3.097	3.038	3.056	3.022	2.400	2.400	2.400	2.400	2.400
5	3.173	3.190	3.158	3.175	3.108	2.400	2.400	2.400	2.400	2.400
10	3.262	3.362	3.321	3.390	3.170	2.400	2.400	2.400	2.400	2.400
15	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900
30	2.400	2.400	2.400	2.400	2.400	35	50	55	100	105
35	2.959	2.972	3.096	2.963	3.145	2.400	2.400	2.400	2.400	2.400
50	3.105	3.081	3.179	3.183	3.125	2.400	2.400	2.400	2.400	2.400
55	3.269	3.347	3.293	3.376	3.341	2.400	2.400	2.400	2.400	2.400
100	3.900	3.900	3.900	3.900	3.900	2.400	2.400	2.400	2.400	2.400

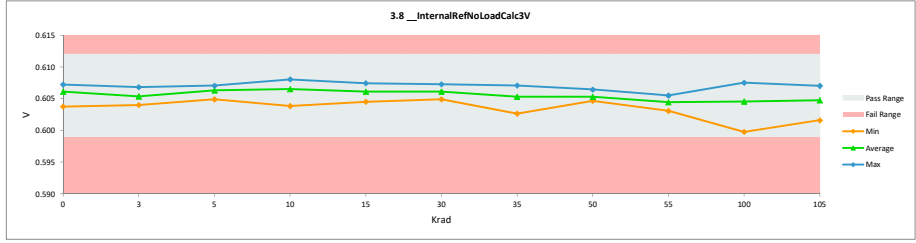


HDR TID Report  
POLARIS - TPS7H4001-SP

3.8_InternalRefNoLoadCalc3V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	0.612	0.612		
Min Limit	0.599	0.599		
Krad	Serial #	PRE_HDR	POST_HDR	Delta
0	139	0.607	0.607	0.000
0	140	0.604	0.604	0.000
0	141	0.606	0.607	0.000
0	142	0.607	0.607	0.000
3	1	0.607	0.607	0.000
3	3	0.604	0.604	0.000
3	4	0.606	0.606	0.000
3	5	0.606	0.606	0.000
3	6	0.604	0.604	0.000
5	173	0.607	0.607	0.000
5	174	0.607	0.607	0.000
5	175	0.606	0.606	0.000
5	176	0.605	0.605	0.000
5	177	0.607	0.607	0.000
10	7	0.607	0.607	0.000
10	8	0.608	0.608	0.000
10	9	0.608	0.608	0.000
10	10	0.606	0.606	0.000
10	11	0.604	0.604	0.000
15	178	0.607	0.607	0.001
15	179	0.605	0.605	0.000
15	180	0.604	0.605	0.000
15	181	0.606	0.606	0.000
15	182	0.607	0.607	0.000
30	14	0.606	0.606	0.000
30	15	0.607	0.606	0.000
30	20	0.605	0.605	0.000
30	21	0.606	0.606	0.000
30	23	0.608	0.607	0.000
35	183	0.603	0.603	0.000
35	184	0.606	0.605	-0.001
35	219	0.607	0.607	0.000
35	220	0.605	0.605	0.000
35	221	0.607	0.606	0.000
50	25	0.606	0.605	-0.001
50	26	0.605	0.605	0.000
50	27	0.605	0.605	0.000
50	29	0.607	0.606	0.000
50	30	0.606	0.605	-0.001
55	222	0.604	0.604	0.000
55	223	0.604	0.603	-0.001
55	224	0.606	0.605	-0.001
55	226	0.606	0.605	0.000
55	227	0.605	0.604	-0.001
100	31	0.604	0.603	-0.002
100	32	0.603	0.602	-0.001
100	33	0.607	0.606	-0.001
100	35	0.608	0.607	-0.002
100	36	0.608	0.607	-0.001
100	37	0.608	0.607	-0.001
100	38	0.607	0.606	-0.001
100	39	0.607	0.606	-0.001
100	41	0.602	0.601	-0.001
100	42	0.609	0.608	-0.002
100	55	0.605	0.604	-0.001
100	56	0.607	0.605	-0.002
100	57	0.607	0.606	-0.001
100	58	0.607	0.605	-0.001
100	59	0.606	0.604	-0.001
100	60	0.605	0.604	-0.001
100	61	0.607	0.606	-0.001
100	62	0.601	0.600	-0.001
100	63	0.605	0.604	-0.001
100	64	0.605	0.604	-0.001
100	66	0.606	0.604	-0.002
100	67	0.604	0.602	-0.002
105	228	0.605	0.604	-0.001
105	229	0.606	0.605	-0.001
105	230	0.603	0.602	-0.001
105	231	0.608	0.607	-0.001
105	232	0.607	0.606	-0.001
Max		0.609	0.608	0.001
Average		0.606	0.605	-0.001
Min		0.601	0.600	-0.002
Std Dev		0.002	0.002	0.001



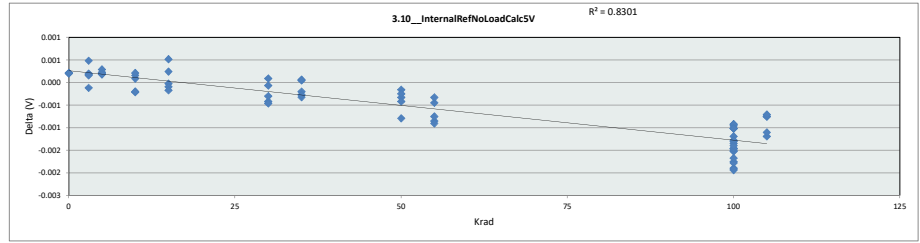
3.8_InternalRefNoLoadCalc3											
Test Site											
Tester											
Test Number											
Max Limit	0.612	V									
Min Limit	0.599	V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599
Min	0.604	0.604	0.605	0.604	0.605	0.606	0.605	0.603	0.605	0.600	0.602
Average	0.606	0.605	0.606	0.607	0.606	0.606	0.605	0.605	0.604	0.605	0.605
Max	0.607	0.607	0.607	0.608	0.607	0.607	0.607	0.607	0.606	0.605	0.607
UL	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612



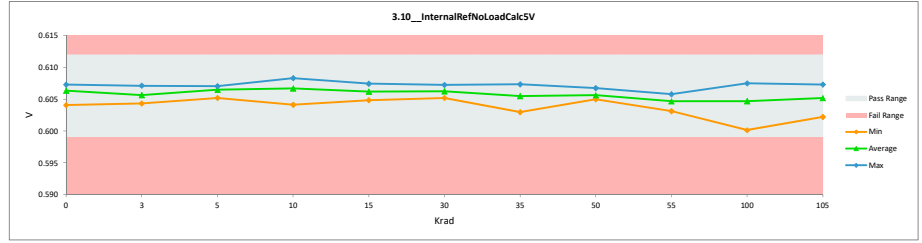


HDR TID Report  
POLARIS - TPS7H4001-SP

3.10_InternalRefNoLoadCalcSV				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	0.612	0.612		
Min Limit	0.599	0.599		
Krad	Serial #	PRE_HDR	POST_HDR	Delta
0	139	0.607	0.607	0.000
0	140	0.604	0.604	0.000
0	141	0.607	0.607	0.000
0	142	0.607	0.607	0.000
3	1	0.607	0.607	0.000
3	3	0.604	0.604	0.000
3	4	0.606	0.606	0.000
3	5	0.606	0.606	0.000
3	6	0.604	0.605	0.000
5	173	0.607	0.607	0.000
5	174	0.607	0.607	0.000
5	175	0.606	0.606	0.000
5	176	0.605	0.605	0.000
5	177	0.607	0.607	0.000
10	7	0.607	0.607	0.000
10	8	0.608	0.608	0.000
10	9	0.608	0.608	0.000
10	10	0.606	0.607	0.000
10	11	0.604	0.604	0.000
15	178	0.607	0.607	0.000
15	179	0.605	0.605	0.000
15	180	0.604	0.605	0.001
15	181	0.606	0.606	0.000
15	182	0.608	0.607	0.000
30	14	0.606	0.606	0.000
30	15	0.607	0.607	0.000
30	20	0.606	0.605	0.000
30	21	0.606	0.606	0.000
30	23	0.608	0.607	0.000
35	183	0.603	0.603	0.000
35	184	0.606	0.605	0.000
35	219	0.607	0.607	0.000
35	220	0.606	0.605	0.000
35	221	0.607	0.606	0.000
50	25	0.606	0.605	-0.001
50	26	0.605	0.605	0.000
50	27	0.606	0.605	0.000
50	29	0.607	0.607	0.000
50	30	0.606	0.606	0.000
55	222	0.605	0.604	0.000
55	223	0.604	0.603	-0.001
55	224	0.606	0.606	-0.001
55	226	0.606	0.606	0.000
55	227	0.606	0.605	-0.001
100	31	0.604	0.603	-0.002
100	32	0.604	0.602	-0.001
100	33	0.607	0.606	-0.002
100	35	0.609	0.607	-0.002
100	36	0.608	0.607	-0.001
100	37	0.608	0.607	-0.001
100	38	0.607	0.606	-0.001
100	39	0.607	0.606	-0.001
100	41	0.602	0.601	-0.001
100	42	0.609	0.608	-0.002
100	55	0.605	0.604	-0.001
100	56	0.607	0.605	-0.002
100	57	0.607	0.606	-0.001
100	58	0.607	0.605	-0.002
100	59	0.606	0.605	-0.001
100	60	0.605	0.604	-0.001
100	61	0.607	0.606	-0.001
100	62	0.602	0.600	-0.001
100	63	0.605	0.604	-0.001
100	64	0.606	0.605	-0.001
100	66	0.606	0.604	-0.002
100	67	0.604	0.603	-0.002
105	228	0.606	0.605	-0.001
105	229	0.606	0.605	-0.001
105	230	0.603	0.602	-0.001
105	231	0.608	0.607	-0.001
105	232	0.607	0.606	-0.001
Max		0.609	0.608	0.001
Average		0.606	0.605	-0.001
Min		0.602	0.600	-0.002
Std Dev		0.002	0.002	0.001

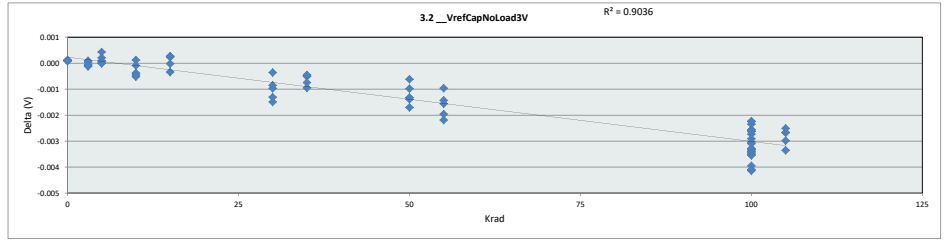


3.10_InternalRefNoLoadCalcSV											
Test Site											
Tester											
Test Number											
Max Limit	0.612	V									
Min Limit	0.599	V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599
Min	0.604	0.604	0.605	0.604	0.605	0.606	0.606	0.605	0.603	0.600	0.602
Average	0.606	0.606	0.607	0.607	0.606	0.606	0.606	0.606	0.605	0.605	0.605
Max	0.607	0.607	0.607	0.608	0.607	0.607	0.607	0.607	0.606	0.608	0.607
UL	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612

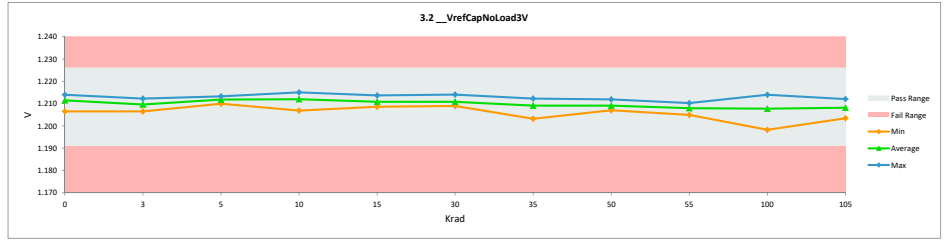


HDR TID Report  
POLARIS - TPS7H4001-SP

3.2_VrefCapNoLoad3V				
Test Site	Tester	Test Number	Unit	Delta
			V	V
Max Limit			1.226	1.226
Min Limit			1.191	1.191
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	1.213	1.213	0.000
0	140	1.206	1.207	0.000
0	141	1.212	1.212	0.000
0	142	1.214	1.214	0.000
3	1	1.212	1.212	0.000
3	3	1.206	1.207	0.000
3	4	1.211	1.211	0.000
3	5	1.211	1.211	0.000
3	6	1.208	1.208	0.000
5	173	1.213	1.213	0.000
5	174	1.211	1.211	0.000
5	175	1.211	1.212	0.000
5	176	1.210	1.210	0.000
5	177	1.213	1.213	0.000
10	7	1.212	1.212	0.000
10	8	1.215	1.214	-0.001
10	9	1.215	1.215	0.000
10	10	1.211	1.211	0.000
10	11	1.207	1.207	0.000
15	178	1.211	1.211	0.000
15	179	1.210	1.210	0.000
15	180	1.208	1.209	0.000
15	181	1.211	1.211	0.000
15	182	1.214	1.214	0.000
30	14	1.211	1.210	-0.001
30	15	1.211	1.210	-0.001
30	20	1.210	1.209	-0.001
30	21	1.211	1.210	0.000
30	23	1.215	1.214	-0.001
35	183	1.204	1.203	-0.001
35	184	1.210	1.209	-0.001
35	219	1.213	1.212	0.000
35	220	1.209	1.209	0.000
35	221	1.213	1.212	-0.001
50	25	1.211	1.209	-0.002
50	26	1.208	1.207	-0.001
50	27	1.209	1.208	-0.001
50	29	1.212	1.212	0.000
50	30	1.211	1.210	-0.001
55	222	1.209	1.208	-0.001
55	223	1.207	1.205	-0.002
55	224	1.211	1.209	-0.002
55	226	1.211	1.210	-0.001
55	227	1.210	1.208	-0.002
100	31	1.207	1.204	-0.004
100	32	1.206	1.204	-0.003
100	33	1.213	1.210	-0.003
100	35	1.216	1.212	-0.004
100	36	1.215	1.212	-0.002
100	37	1.215	1.213	-0.003
100	38	1.211	1.209	-0.002
100	39	1.214	1.212	-0.002
100	41	1.205	1.202	-0.003
100	42	1.217	1.214	-0.003
100	55	1.208	1.205	-0.003
100	56	1.213	1.210	-0.003
100	57	1.213	1.210	-0.003
100	58	1.212	1.209	-0.003
100	59	1.210	1.206	-0.003
100	60	1.208	1.205	-0.003
100	61	1.214	1.211	-0.003
100	62	1.201	1.198	-0.003
100	63	1.208	1.205	-0.003
100	64	1.211	1.208	-0.003
100	66	1.212	1.208	-0.004
100	67	1.208	1.204	-0.004
105	228	1.210	1.207	-0.003
105	229	1.211	1.208	-0.003
105	230	1.206	1.203	-0.003
105	231	1.215	1.212	-0.003
105	232	1.213	1.210	-0.003
	Max	1.217	1.215	0.000
	Average	1.211	1.209	-0.001
	Min	1.201	1.198	-0.004
	Std Dev	0.003	0.003	0.001

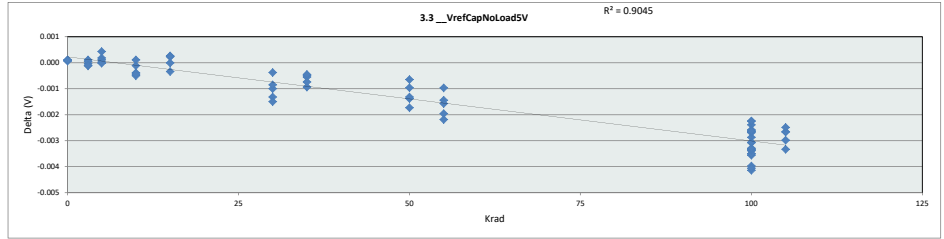


3.2_VrefCapNoLoad3V											
Test Site	Tester	Test Number	Unit	Delta							
			V	V							
Max Limit			1.226	1.226							
Min Limit			1.191	1.191							
Krad	LL	Min	Average	Max	UL						
0	1.191	1.207	1.211	1.214	1.226						
3	1.191	1.207	1.210	1.212	1.226						
5	1.191	1.207	1.212	1.215	1.226						
10	1.191	1.207	1.211	1.214	1.226						
15	1.191	1.209	1.211	1.214	1.226						
30	1.191	1.209	1.211	1.214	1.226						
35	1.191	1.203	1.209	1.212	1.226						
50	1.191	1.209	1.212	1.215	1.226						
55	1.191	1.207	1.210	1.212	1.226						
100	1.191	1.205	1.208	1.210	1.226						
105	1.191	1.198	1.208	1.214	1.226						

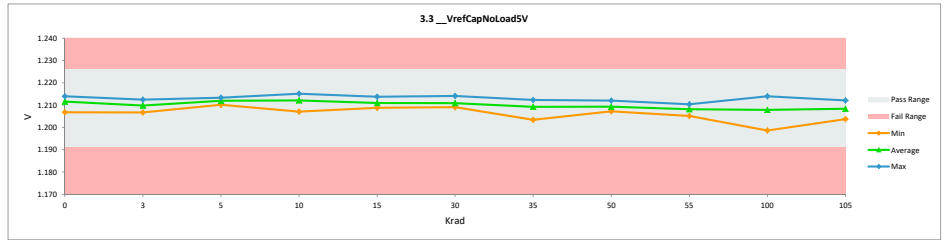


HDR TID Report  
POLARIS - TPS7H4001-SP

3.3_VrefCapNoLoad5V				
Test Site	Tester	Test Number	Unit	
			V	V
Max Limit			1.226	1.226
Min Limit			1.191	1.191
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	1.213	1.213	0.000
0	140	1.207	1.207	0.000
0	141	1.212	1.212	0.000
0	142	1.214	1.214	0.000
3	1	1.213	1.212	0.000
3	3	1.207	1.207	0.000
3	4	1.211	1.211	0.000
3	5	1.211	1.211	0.000
3	6	1.208	1.208	0.000
5	173	1.213	1.213	0.000
5	174	1.211	1.211	0.000
5	175	1.211	1.212	0.000
5	176	1.210	1.210	0.000
5	177	1.213	1.213	0.000
10	7	1.212	1.212	0.000
10	8	1.215	1.214	-0.001
10	9	1.216	1.215	0.000
10	10	1.211	1.212	0.000
10	11	1.207	1.207	0.000
15	178	1.211	1.211	0.000
15	179	1.210	1.210	0.000
15	180	1.209	1.209	0.000
15	181	1.211	1.211	0.000
15	182	1.214	1.214	0.000
30	14	1.212	1.210	-0.001
30	15	1.212	1.211	-0.001
30	20	1.211	1.209	-0.002
30	21	1.211	1.210	0.000
30	23	1.215	1.214	-0.001
35	183	1.204	1.203	-0.001
35	184	1.210	1.209	-0.001
35	219	1.213	1.212	0.000
35	220	1.209	1.209	0.000
35	221	1.213	1.212	-0.001
50	25	1.211	1.209	-0.002
50	26	1.209	1.207	-0.001
50	27	1.209	1.208	-0.001
50	29	1.213	1.212	-0.001
50	30	1.211	1.210	-0.001
55	222	1.209	1.208	-0.001
55	223	1.207	1.205	-0.002
55	224	1.211	1.209	-0.002
55	226	1.211	1.210	-0.001
55	227	1.210	1.208	-0.002
100	31	1.208	1.204	-0.004
100	32	1.207	1.204	-0.003
100	33	1.213	1.210	-0.003
100	35	1.216	1.212	-0.004
100	36	1.215	1.212	-0.002
100	37	1.215	1.213	-0.003
100	38	1.212	1.209	-0.002
100	39	1.214	1.212	-0.002
100	41	1.205	1.202	-0.003
100	42	1.217	1.214	-0.003
100	55	1.208	1.205	-0.003
100	56	1.213	1.210	-0.004
100	57	1.213	1.210	-0.003
100	58	1.212	1.209	-0.003
100	59	1.210	1.206	-0.003
100	60	1.209	1.205	-0.003
100	61	1.214	1.211	-0.003
100	62	1.202	1.199	-0.003
100	63	1.208	1.206	-0.003
100	64	1.211	1.208	-0.003
100	66	1.212	1.208	-0.004
100	67	1.208	1.204	-0.004
105	228	1.210	1.207	-0.003
105	229	1.211	1.208	-0.003
105	230	1.206	1.204	-0.003
105	231	1.215	1.212	-0.003
105	232	1.213	1.210	-0.002
Max		1.217	1.215	0.000
Average		1.211	1.209	-0.001
Min		1.202	1.199	-0.004
Std Dev		0.003	0.003	0.001

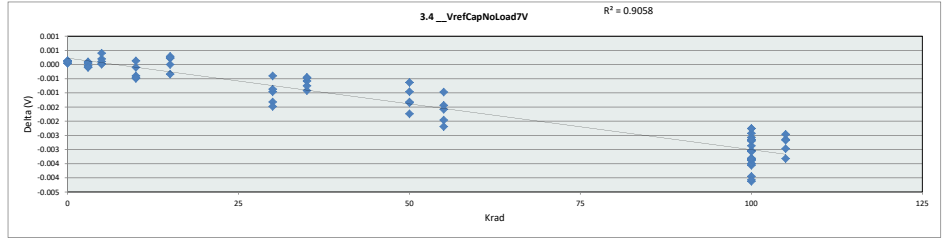


3.3_VrefCapNoLoad5V														
Test Site	Tester	Test Number	Unit											
			V	V										
Max Limit			1.226	1.226										
Min Limit			1.191	1.191										
Krad	LL	Min	Average	Max	UL	5	10	15	30	35	50	55	100	105
	1.191	1.207	1.212	1.214	1.226	1.191	1.207	1.211	1.214	1.211	1.212	1.210	1.226	1.226

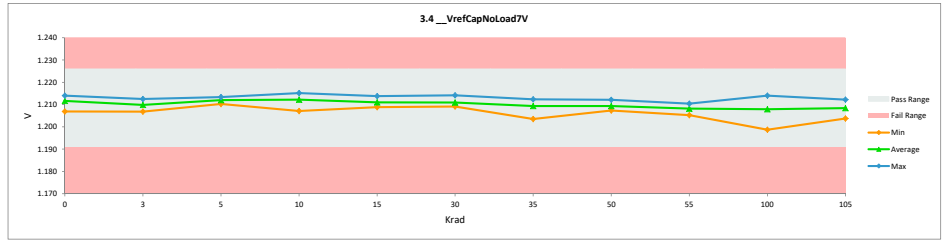


HDR TID Report  
POLARIS - TPS7H4001-SP

3.4_VrefCapNoLoad7V				
Test Site	Tester	Test Number	Unit	Delta
			V	V
			Max Limit	1.226
			Min Limit	1.191
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	1.213	1.213	0.000
0	140	1.207	1.207	0.000
0	141	1.212	1.213	0.000
0	142	1.214	1.214	0.000
3	1	1.213	1.213	0.000
3	3	1.207	1.207	0.000
3	4	1.211	1.211	0.000
3	5	1.211	1.211	0.000
3	6	1.208	1.208	0.000
5	173	1.213	1.213	0.000
5	174	1.211	1.212	0.000
5	175	1.211	1.212	0.000
5	176	1.210	1.210	0.000
5	177	1.213	1.213	0.000
10	7	1.213	1.212	0.000
10	8	1.215	1.215	0.000
10	9	1.216	1.215	0.000
10	10	1.212	1.212	0.000
10	11	1.208	1.207	0.000
15	178	1.211	1.211	0.000
15	179	1.210	1.210	0.000
15	180	1.209	1.209	0.000
15	181	1.211	1.211	0.000
15	182	1.214	1.214	0.000
30	14	1.212	1.210	-0.001
30	15	1.212	1.211	-0.001
30	20	1.211	1.209	-0.001
30	21	1.211	1.210	0.000
30	23	1.215	1.214	-0.001
35	183	1.204	1.204	-0.001
35	184	1.210	1.209	-0.001
35	219	1.213	1.212	0.000
35	220	1.210	1.209	0.000
35	221	1.213	1.212	-0.001
50	25	1.211	1.209	-0.002
50	26	1.209	1.207	-0.001
50	27	1.209	1.208	-0.001
50	29	1.213	1.212	-0.001
50	30	1.211	1.210	-0.001
55	222	1.209	1.208	-0.001
55	223	1.207	1.205	-0.002
55	224	1.211	1.209	-0.002
55	226	1.211	1.210	-0.001
55	227	1.210	1.208	-0.002
100	31	1.208	1.204	-0.004
100	32	1.207	1.204	-0.003
100	33	1.213	1.210	-0.003
100	35	1.216	1.212	-0.004
100	36	1.215	1.212	-0.002
100	37	1.215	1.213	-0.003
100	38	1.212	1.209	-0.002
100	39	1.214	1.212	-0.002
100	41	1.205	1.202	-0.003
100	42	1.217	1.214	-0.004
100	55	1.208	1.205	-0.003
100	56	1.213	1.210	-0.003
100	57	1.213	1.210	-0.003
100	58	1.213	1.209	-0.003
100	59	1.210	1.207	-0.003
100	60	1.209	1.205	-0.003
100	61	1.214	1.211	-0.003
100	62	1.202	1.199	-0.003
100	63	1.208	1.206	-0.003
100	64	1.211	1.208	-0.003
100	66	1.212	1.208	-0.004
100	67	1.208	1.204	-0.004
105	228	1.210	1.207	-0.003
105	229	1.211	1.208	-0.003
105	230	1.206	1.204	-0.003
105	231	1.215	1.212	-0.003
105	232	1.213	1.211	-0.002
	Max	1.217	1.215	0.000
	Average	1.211	1.210	-0.001
	Min	1.202	1.199	-0.004
	Std Dev	0.003	0.003	0.001

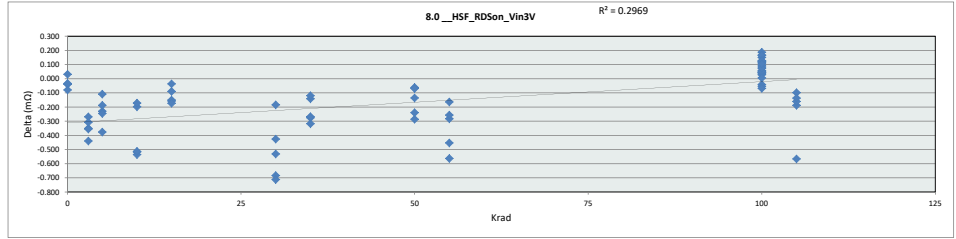


3.4_VrefCapNoLoad7V														
Test Site	Tester	Test Number	Unit	Delta										
			V	V										
			Max Limit	1.226										
			Min Limit	1.191										
Krad	LL	Min	Average	Max	UL	5	10	15	30	35	50	55	100	105
	1.191	1.207	1.212	1.214	1.226	1.191	1.207	1.212	1.214	1.211	1.212	1.210	1.214	1.226

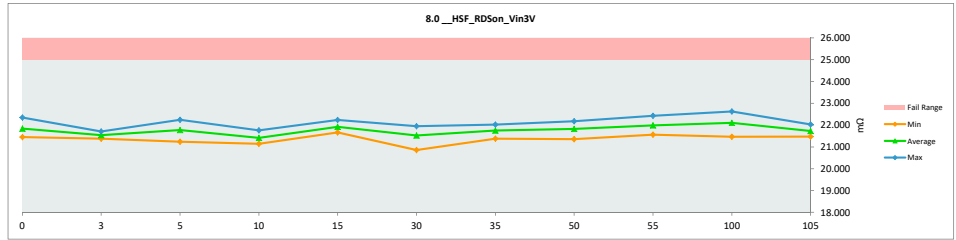


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8.0_HSF_RD5on_Vin3V				
Test Site	Tester	Test Number	Unit	Max Limit
			mΩ	mΩ
			25	25
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	21.856	21.816	-0.040
0	140	21.423	21.455	0.032
0	141	21.819	21.739	-0.080
0	142	22.380	22.348	-0.033
3	1	21.983	21.633	-0.351
3	3	21.819	21.379	-0.440
3	4	21.833	21.478	-0.355
3	5	22.017	21.710	-0.307
3	6	21.784	21.514	-0.269
5	173	22.384	22.155	-0.229
5	174	21.943	21.567	-0.376
5	175	21.482	21.236	-0.245
5	176	21.793	21.684	-0.109
5	177	22.428	22.241	-0.188
10	7	21.659	21.142	-0.517
10	8	21.986	21.450	-0.536
10	9	21.916	21.403	-0.513
10	10	21.958	21.760	-0.198
10	11	21.492	21.320	-0.172
15	178	22.134	21.977	-0.157
15	179	22.389	22.238	-0.151
15	180	22.136	22.046	-0.090
15	181	21.834	21.660	-0.173
15	182	21.705	21.668	-0.037
30	14	22.616	21.932	-0.684
30	15	21.568	20.857	-0.712
30	20	22.092	21.561	-0.531
30	21	21.753	21.327	-0.426
30	23	22.138	21.954	-0.185
35	183	22.184	21.866	-0.317
35	184	21.764	21.487	-0.276
35	219	21.647	21.379	-0.268
35	220	22.167	22.026	-0.141
35	221	22.123	22.003	-0.120
50	25	21.640	21.354	-0.286
50	26	22.413	22.174	-0.239
50	27	21.992	21.930	-0.062
50	29	22.191	22.055	-0.136
50	30	21.675	21.606	-0.069
55	222	22.013	21.559	-0.454
55	223	22.305	21.742	-0.563
55	224	22.238	21.955	-0.282
55	226	22.491	22.234	-0.257
55	227	22.591	22.427	-0.164
100	31	22.541	22.584	0.044
100	32	22.291	22.326	0.035
100	33	21.507	21.465	-0.041
100	35	21.612	21.640	0.027
100	36	21.865	21.909	0.044
100	37	21.898	21.844	-0.053
100	38	21.900	21.982	0.082
100	39	21.544	21.658	0.114
100	41	22.416	22.473	0.057
100	42	21.899	21.951	0.051
100	55	21.962	22.054	0.092
100	56	22.422	22.609	0.187
100	57	22.617	22.622	0.005
100	58	21.856	22.005	0.150
100	59	22.205	22.278	0.073
100	60	21.904	22.068	0.164
100	61	21.802	21.969	0.167
100	62	21.432	21.553	0.121
100	63	22.114	22.238	0.124
100	64	22.422	22.549	0.127
100	66	22.404	22.509	0.105
100	67	22.108	22.040	-0.069
105	228	22.087	21.520	-0.566
105	229	21.659	21.471	-0.188
105	230	21.910	21.749	-0.161
105	231	21.964	21.865	-0.098
105	232	22.171	22.034	-0.137
	Max	22.617	22.622	0.005
	Average	22.004	21.845	-0.159
	Min	21.423	20.857	-0.712
	Std Dev	0.311	0.384	0.219

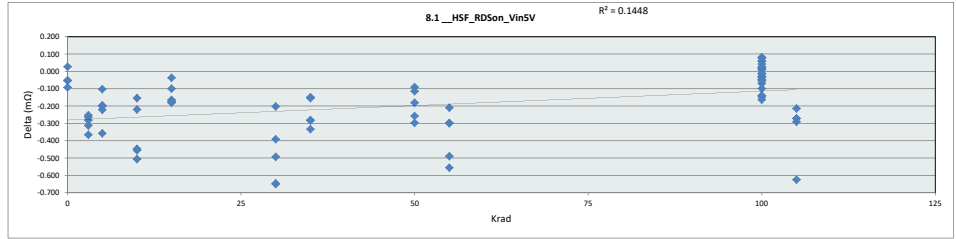


8.0_HSF_RD5on_Vin3V																
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit	Krad										
			mΩ	mΩ		0	3	5	10	15	30	35	50	55	100	105
LL						21.455	21.379	21.236	21.142	21.661	20.857	21.379	21.355	21.559	21.466	21.471
Min						21.839	21.543	21.777	21.415	21.918	21.526	21.752	21.824	21.983	22.106	21.728
Average						22.348	21.710	22.241	21.760	22.238	21.954	22.026	22.174	22.427	22.622	22.034
Max						25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000
UL						25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000

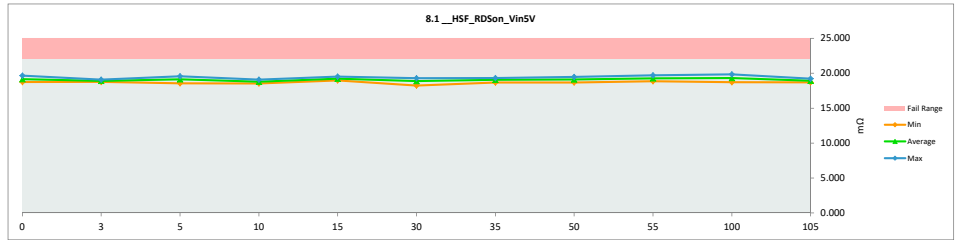


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8.1_HSF_RDson_Vin5V				
Test Site	Test Number	Unit	Max Limit	Min Limit
		mΩ	22	22
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	19.246	19.190	-0.055
0	140	18.728	18.754	0.026
0	141	19.136	19.044	-0.093
0	142	19.716	19.666	-0.051
3	1	19.285	18.973	-0.312
3	3	19.134	18.768	-0.366
3	4	19.150	18.886	-0.264
3	5	19.372	19.090	-0.282
3	6	19.114	18.861	-0.253
5	173	19.782	19.581	-0.202
5	174	19.264	18.907	-0.357
5	175	18.795	18.573	-0.222
5	176	19.113	19.010	-0.103
5	177	19.747	19.551	-0.196
10	7	18.996	18.549	-0.447
10	8	19.308	18.801	-0.506
10	9	19.280	18.825	-0.456
10	10	19.302	19.082	-0.220
10	11	18.799	18.646	-0.154
15	178	19.442	19.269	-0.173
15	179	19.691	19.526	-0.165
15	180	19.425	19.325	-0.100
15	181	19.194	19.013	-0.181
15	182	19.002	18.965	-0.037
30	14	19.945	19.295	-0.650
30	15	18.889	18.242	-0.646
30	20	19.444	18.951	-0.493
30	21	19.097	18.705	-0.392
30	23	19.446	19.244	-0.202
35	183	19.489	19.155	-0.334
35	184	19.127	18.846	-0.281
35	219	18.949	18.665	-0.283
35	220	19.482	19.327	-0.155
35	221	19.434	19.286	-0.149
50	25	18.972	18.674	-0.297
50	26	19.725	19.468	-0.258
50	27	19.278	19.188	-0.091
50	29	19.507	19.326	-0.181
50	30	19.044	18.930	-0.115
55	222	19.349	18.860	-0.489
55	223	19.614	19.058	-0.556
55	224	19.550	19.253	-0.298
55	226	19.820	19.521	-0.300
55	227	19.926	19.716	-0.210
100	31	19.850	19.780	-0.070
100	32	19.589	19.533	-0.056
100	33	18.860	18.721	-0.139
100	35	18.913	18.866	-0.047
100	36	19.154	19.120	-0.034
100	37	19.184	19.036	-0.148
100	38	19.197	19.184	-0.014
100	39	18.853	18.871	0.018
100	41	19.721	19.672	-0.049
100	42	19.196	19.167	-0.030
100	55	19.264	19.273	0.009
100	56	19.738	19.815	0.077
100	57	19.952	19.853	-0.099
100	58	19.218	19.277	0.059
100	59	19.497	19.469	-0.028
100	60	19.188	19.247	0.059
100	61	19.125	19.207	0.082
100	62	18.743	18.766	0.024
100	63	19.399	19.425	0.026
100	64	19.719	19.761	0.042
100	66	19.730	19.719	-0.011
100	67	19.410	19.246	-0.163
105	228	19.403	18.778	-0.625
105	229	18.982	18.691	-0.292
105	230	19.213	18.941	-0.272
105	231	19.272	19.058	-0.214
105	232	19.490	19.218	-0.272
	Max	19.952	19.853	0.082
	Average	19.324	19.130	-0.193
	Min	18.728	18.242	-0.650
	Std Dev	0.311	0.351	0.180

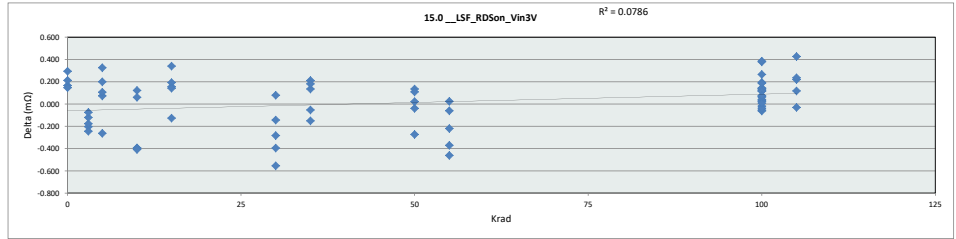


8.1_HSF_RDson_Vin5V															
Test Site	Test Number	Unit	Max Limit	Min Limit	Krad										
		mΩ	22	22	0	3	5	10	15	30	35	50	55	100	105
LL					18.754	18.768	18.573	18.549	18.965	18.242	18.665	18.674	18.860	18.721	18.691
Min					19.163	18.916	19.124	18.780	19.219	18.887	19.056	19.117	19.281	19.319	18.937
Average					19.666	19.090	19.581	19.082	19.526	19.295	19.327	19.468	19.716	19.853	19.218
Max					22.000	22.000	22.000	22.000	22.000	22.000	22.000	22.000	22.000	22.000	22.000
UL					22.000	22.000	22.000	22.000	22.000	22.000	22.000	22.000	22.000	22.000	22.000

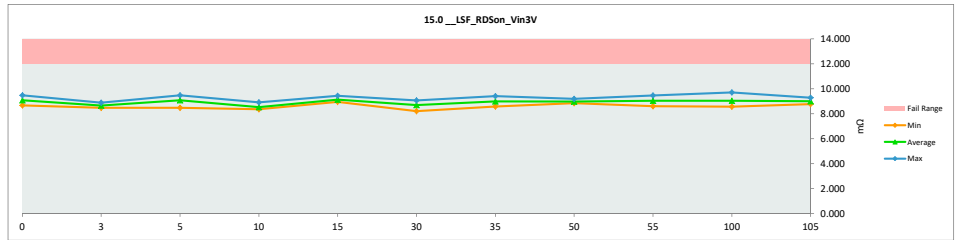


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15.0_LSF_RDson_Vin3V				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	9.062	9.229	0.167
0	140	8.368	8.661	0.294
0	141	8.810	8.957	0.146
0	142	9.254	9.466	0.212
3	1	8.886	8.681	-0.204
3	3	8.974	8.729	-0.245
3	4	8.645	8.469	-0.177
3	5	9.004	8.882	-0.122
3	6	8.547	8.473	-0.075
5	173	9.712	9.448	-0.264
5	174	8.827	8.901	0.073
5	175	8.362	8.468	0.106
5	176	8.889	9.088	0.199
5	177	9.145	9.471	0.326
10	7	8.751	8.358	-0.394
10	8	8.783	8.387	-0.396
10	9	8.846	8.437	-0.409
10	10	8.791	8.913	0.122
10	11	8.474	8.534	0.060
15	178	9.027	9.183	0.156
15	179	9.236	9.428	0.192
15	180	8.816	8.958	0.142
15	181	9.071	8.945	-0.126
15	182	8.759	9.099	0.340
30	14	9.372	8.818	-0.554
30	15	8.600	8.205	-0.395
30	20	8.660	8.677	-0.283
30	21	8.854	8.711	-0.143
30	23	8.980	9.059	0.079
35	183	9.200	9.410	0.211
35	184	8.781	8.728	-0.053
35	219	8.731	8.580	-0.151
35	220	9.104	9.238	0.134
35	221	8.793	8.975	0.182
50	25	8.717	8.852	0.134
50	26	9.175	9.195	0.021
50	27	9.115	8.841	-0.274
50	29	8.943	9.052	0.109
50	30	8.984	8.945	-0.039
55	222	8.974	8.603	-0.371
55	223	9.312	8.851	-0.461
55	224	9.257	9.036	-0.220
55	226	9.314	9.253	-0.060
55	227	9.428	9.453	0.024
100	31	9.397	9.336	-0.061
100	32	9.078	9.197	0.118
100	33	8.578	8.558	-0.019
100	35	8.513	8.582	0.069
100	36	8.827	8.951	0.125
100	37	8.684	8.820	0.135
100	38	8.706	8.735	0.029
100	39	8.671	8.696	0.025
100	41	9.315	9.358	0.042
100	42	8.632	9.011	0.379
100	55	8.855	8.800	-0.055
100	56	9.314	9.699	0.385
100	57	9.545	9.508	-0.038
100	58	8.987	9.127	0.140
100	59	8.915	8.979	0.063
100	60	8.715	8.858	0.143
100	61	8.842	8.957	0.115
100	62	8.429	8.622	0.193
100	63	8.973	9.160	0.187
100	64	9.340	9.416	0.075
100	66	9.316	9.583	0.266
100	67	8.859	8.869	0.009
105	228	8.950	8.920	-0.030
105	229	8.651	8.768	0.117
105	230	8.816	9.035	0.219
105	231	8.758	8.993	0.235
105	232	8.849	9.276	0.427
	Max	9.712	9.699	0.427
	Average	8.932	8.950	0.018
	Min	8.362	8.205	-0.554
	Std Dev	0.285	0.330	0.218

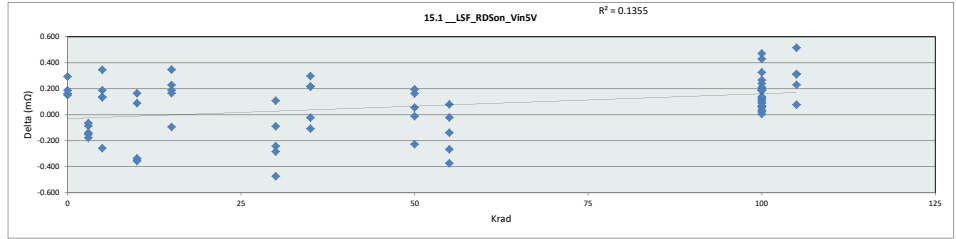


15.0_LSF_RDson_Vin3V															
Test Site	Tester	Test Number	Max Limit	Min Limit	0	3	5	10	15	30	35	50	55	100	105
LL					8.662	8.469	8.468	8.358	8.945	8.205	8.580	8.841	8.603	8.558	8.768
Min					9.078	8.647	9.075	8.526	9.123	8.694	8.986	8.977	9.039	9.037	8.998
Average					9.466	8.882	9.471	8.913	9.428	9.059	9.411	9.195	9.453	9.699	9.276
Max					12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000
UL															

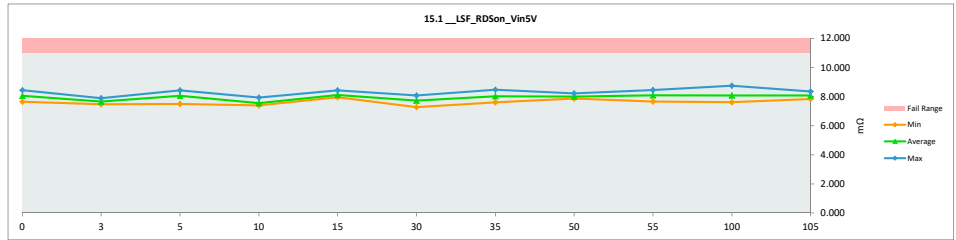


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15.1_LSF_RDson_Vin5V				
Test Site	Tester	Test Number	Unit	Max Limit
			mΩ	mΩ
			11	11
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	8.018	8.169	0.151
0	140	7.357	7.650	0.293
0	141	7.786	7.947	0.161
0	142	8.253	8.442	0.188
3	1	7.842	7.691	-0.151
3	3	7.959	7.782	-0.178
3	4	7.608	7.469	-0.139
3	5	7.979	7.893	-0.087
3	6	7.532	7.467	-0.064
5	173	8.673	8.415	-0.258
5	174	7.762	7.897	0.135
5	175	7.358	7.494	0.136
5	176	7.863	8.051	0.188
5	177	8.080	8.426	0.346
10	7	7.727	7.390	-0.337
10	8	7.768	7.429	-0.339
10	9	7.823	7.467	-0.357
10	10	7.762	7.927	0.164
10	11	7.459	7.547	0.088
15	178	7.962	8.151	0.189
15	179	8.198	8.427	0.229
15	180	7.786	7.952	0.166
15	181	8.057	7.963	-0.094
15	182	7.722	8.068	0.347
30	14	8.320	7.847	-0.474
30	15	7.554	7.271	-0.284
30	20	7.960	7.718	-0.242
30	21	7.817	7.727	-0.090
30	23	7.964	8.072	0.108
35	183	8.173	8.471	0.298
35	184	7.778	7.755	-0.022
35	219	7.712	7.604	-0.108
35	220	8.055	8.272	0.217
35	221	7.786	8.003	0.217
50	25	7.667	7.861	0.195
50	26	8.157	8.212	0.055
50	27	8.101	7.874	-0.227
50	29	7.936	8.099	0.164
50	30	7.953	7.942	-0.011
55	222	7.918	7.651	-0.267
55	223	8.298	7.924	-0.374
55	224	8.240	8.101	-0.139
55	226	8.298	8.276	-0.021
55	227	8.369	8.449	0.080
100	31	8.347	8.371	0.023
100	32	8.071	8.257	0.186
100	33	7.564	7.621	0.057
100	35	7.496	7.614	0.117
100	36	7.810	8.021	0.211
100	37	7.648	7.844	0.196
100	38	7.703	7.766	0.063
100	39	7.599	7.687	0.088
100	41	8.263	8.365	0.102
100	42	7.614	8.043	0.429
100	55	7.855	7.860	0.005
100	56	8.279	8.749	0.471
100	57	8.506	8.541	0.035
100	58	7.950	8.153	0.203
100	59	7.872	8.001	0.128
100	60	7.711	7.896	0.185
100	61	7.816	8.006	0.189
100	62	7.413	7.553	0.240
100	63	7.923	8.189	0.266
100	64	8.303	8.443	0.140
100	66	8.307	8.633	0.326
100	67	7.858	7.926	0.068
105	228	7.933	8.011	0.077
105	229	7.603	7.833	0.229
105	230	7.778	8.091	0.313
105	231	7.774	8.085	0.311
105	232	7.835	8.351	0.515
	Max	8.673	8.749	0.515
	Average	7.905	7.975	0.071
	Min	7.357	7.271	-0.474
	Std Dev	0.281	0.326	0.214



15.1_LSF_RDson_Vin5V											
Test Site	Tester	Test Number	Unit	Max Limit							
			mΩ	mΩ							
			11	11							
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	7.650	7.467	7.494	7.390	7.952	7.271	7.605	7.861	7.651	7.614	7.833
Min	8.052	7.660	8.057	7.552	8.112	7.727	8.021	7.998	8.081	8.074	8.074
Average	8.442	7.893	8.426	7.927	8.427	8.072	8.471	8.212	8.449	8.749	8.351
Max	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000

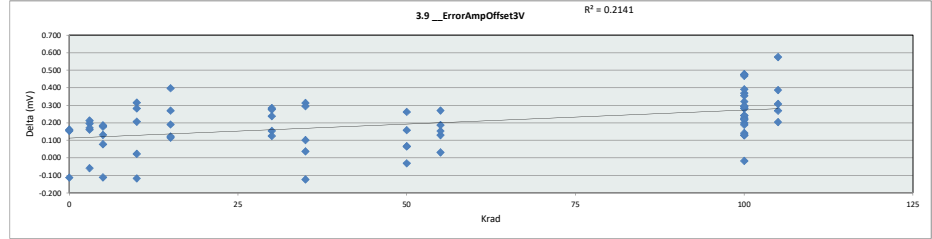




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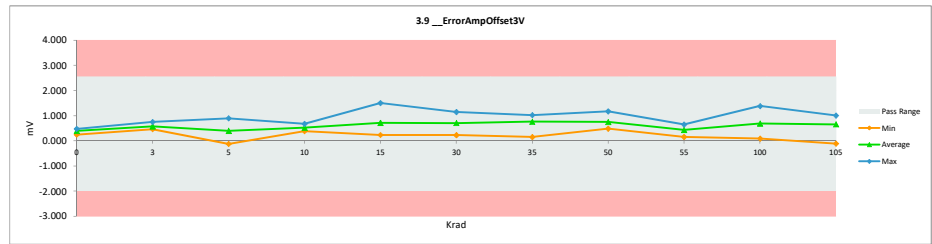
3.9_ErrorAmpOffset3V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	2.55
Min Limit	-2

Krad	Serial #	PRE_HDR	POST_HDR	Delta
0	139	0.588	0.475	-0.113
0	140	0.307	0.469	0.162
0	141	0.220	0.374	0.154
0	142	0.092	0.249	0.157
3	1	0.469	0.664	0.195
3	3	0.589	0.750	0.161
3	4	0.523	0.464	-0.059
3	5	0.361	0.532	0.171
3	6	0.273	0.486	0.213
5	173	0.298	0.429	0.131
5	174	1.009	0.898	-0.111
5	175	0.511	0.589	0.078
5	176	-0.298	-0.120	0.178
5	177	0.012	0.197	0.185
10	7	0.467	0.673	0.206
10	8	0.101	0.416	0.315
10	9	0.236	0.518	0.282
10	10	0.719	0.602	-0.117
10	11	0.364	0.387	0.023
15	178	1.105	1.502	0.397
15	179	0.328	0.443	0.115
15	180	0.113	0.235	0.122
15	181	0.608	0.798	0.190
15	182	0.320	0.589	0.269
30	14	0.410	0.648	0.238
30	15	0.959	1.113	0.154
30	20	0.117	0.401	0.284
30	21	0.872	1.148	0.276
30	23	0.103	0.228	0.125
35	183	0.711	1.024	0.313
35	184	0.802	0.679	-0.123
35	219	0.910	0.947	0.037
35	220	0.703	0.998	0.295
35	221	0.048	0.149	0.101
50	25	0.580	0.647	0.067
50	26	0.913	1.175	0.262
50	27	0.793	0.951	0.158
50	29	0.430	0.495	0.065
50	30	0.516	0.485	-0.031
55	222	-0.114	0.155	0.270
55	223	0.476	0.606	0.130
55	224	0.618	0.649	0.031
55	226	0.201	0.354	0.153
55	227	0.223	0.410	0.187
100	31	0.593	0.576	-0.017
100	32	0.043	0.412	0.369
100	33	0.548	0.770	0.222
100	35	0.355	0.710	0.355
100	36	0.693	0.920	0.227
100	37	0.240	0.523	0.283
100	38	0.993	1.192	0.199
100	39	0.085	0.562	0.477
100	41	-0.377	0.091	0.468
100	42	0.271	0.512	0.241
100	55	0.778	1.099	0.321
100	56	0.224	0.465	0.241
100	57	0.680	0.962	0.282
100	58	0.457	0.586	0.129
100	59	0.874	1.091	0.217
100	60	0.909	1.384	0.475
100	61	0.006	0.195	0.189
100	62	0.483	0.624	0.141
100	63	1.023	1.316	0.293
100	64	0.080	0.376	0.296
100	66	0.077	0.207	0.130
100	67	0.252	0.643	0.391
105	228	0.246	0.821	0.575
105	229	0.477	0.681	0.204
105	230	-0.419	-0.111	0.308
105	231	0.616	1.003	0.387
105	232	0.620	0.889	0.269
Max		1.105	1.502	0.575
Average		0.428	0.625	0.197
Min		-0.419	-0.120	-0.123
Std Dev		0.339	0.339	0.143



3.9_ErrorAmpOffset3V	
Test Site	
Tester	
Test Number	
Max Limit	2.55 mV
Min Limit	-2 mV

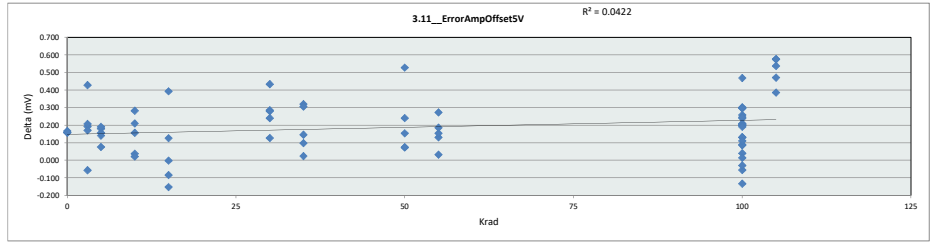
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.249	0.464	-0.120	0.387	0.235	0.228	0.149	0.485	0.156	0.091	-0.111
Average	0.392	0.579	0.399	0.519	0.713	0.708	0.759	0.751	0.435	0.692	0.657
Max	0.475	0.750	0.898	0.673	1.502	1.148	1.024	1.175	0.649	1.384	1.003
UL	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550



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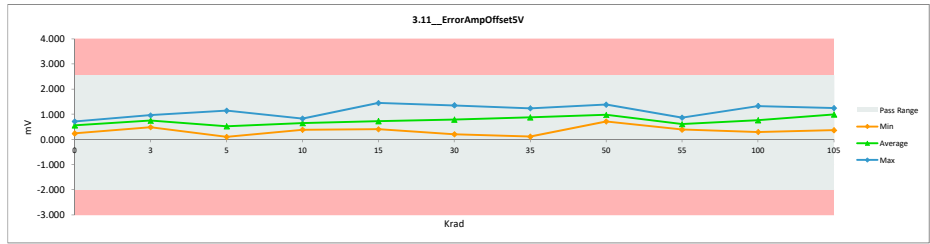
3.11_ErrorAmpOffset5V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	2.55
Min Limit	-2

Krad	Serial #	PRE_HDR	POST_HDR	Delta
0	139	0.561	0.718	0.157
0	140	0.506	0.673	0.167
0	141	0.456	0.616	0.160
0	142	0.077	0.237	0.160
3	1	0.695	0.888	0.193
3	3	0.534	0.962	0.428
3	4	0.757	0.700	-0.057
3	5	0.316	0.487	0.171
3	6	0.491	0.698	0.207
5	173	0.267	0.408	0.141
5	174	0.985	1.142	0.157
5	175	0.472	0.548	0.076
5	176	-0.080	0.100	0.180
5	177	0.253	0.443	0.190
10	7	0.436	0.646	0.210
10	8	0.346	0.383	0.037
10	9	0.487	0.769	0.282
10	10	0.677	0.834	0.157
10	11	0.588	0.610	0.022
15	178	1.325	1.451	0.126
15	179	0.559	0.407	-0.152
15	180	0.052	0.445	0.393
15	181	0.848	0.764	-0.084
15	182	0.574	0.572	-0.002
30	14	0.375	0.616	0.241
30	15	0.921	1.355	0.434
30	20	0.355	0.640	0.285
30	21	0.853	1.133	0.280
30	23	0.079	0.206	0.127
35	183	0.919	1.239	0.320
35	184	0.754	0.900	0.146
35	219	0.889	1.195	0.306
35	220	0.922	0.946	0.024
35	221	0.013	0.111	0.098
50	25	0.813	0.886	0.073
50	26	0.855	1.383	0.528
50	27	1.023	1.177	0.154
50	29	0.650	0.725	0.075
50	30	0.474	0.715	0.241
55	222	0.137	0.390	0.273
55	223	0.415	0.546	0.131
55	224	0.839	0.871	0.032
55	226	0.439	0.593	0.154
55	227	0.470	0.656	0.186
100	31	0.556	0.814	0.258
100	32	0.249	0.335	0.086
100	33	0.774	0.719	-0.055
100	35	0.604	0.692	0.088
100	36	0.948	1.187	0.239
100	37	0.499	0.801	0.302
100	38	0.948	1.148	0.200
100	39	0.322	0.527	0.205
100	41	-0.171	0.298	0.469
100	42	0.542	0.513	-0.029
100	55	1.011	1.051	0.040
100	56	0.199	0.445	0.246
100	57	0.650	0.949	0.299
100	58	0.697	0.564	-0.133
100	59	1.101	1.310	0.209
100	60	1.130	1.330	0.200
100	61	0.248	0.439	0.191
100	62	0.679	0.810	0.131
100	63	1.255	1.269	0.014
100	64	0.313	0.609	0.296
100	66	0.321	0.452	0.131
100	67	0.466	0.576	0.110
105	228	0.489	1.066	0.577
105	229	0.714	1.185	0.471
105	230	-0.210	0.365	0.575
105	231	0.859	1.245	0.386
105	232	0.577	1.114	0.537
	Max	1.325	1.451	0.577
	Average	0.565	0.755	0.190
	Min	-0.210	0.100	-0.152
	Std Dev	0.328	0.334	0.159



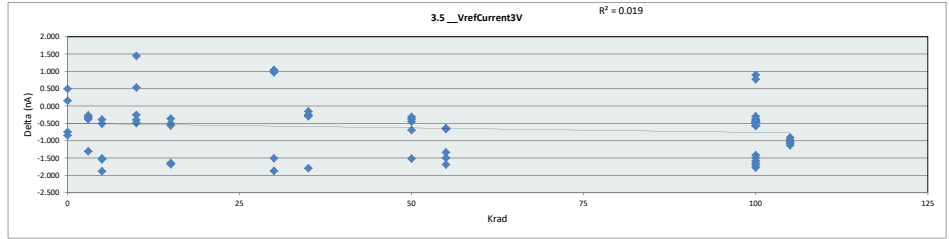
3.11_ErrorAmpOffset5V	
Test Site	
Tester	
Test Number	
Max Limit	2.55 mV
Min Limit	-2 mV

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.237	0.487	0.100	0.383	0.407	0.206	0.111	0.715	0.390	0.298	0.365
Average	0.561	0.747	0.528	0.648	0.728	0.790	0.878	0.977	0.611	0.765	0.995
Max	0.718	0.962	1.142	0.834	1.451	1.355	1.239	1.383	0.871	1.330	1.245
UL	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550

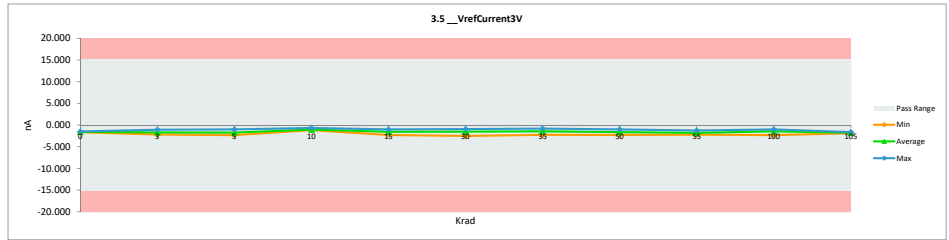


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		3.5_VrefCurrent3V		
Test Site	Tester			
Test Number				
Unit		nA	nA	
Max Limit		15	15	
Min Limit		-15	-15	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	-1.838	-1.682	0.156
0	140	-0.727	-1.473	-0.746
0	141	-2.018	-1.520	0.498
0	142	-0.708	-1.554	-0.846
3	1	-0.931	-1.313	-0.382
3	3	-1.803	-2.139	-0.336
3	4	-0.739	-1.060	-0.321
3	5	-0.588	-1.895	-1.307
3	6	-1.905	-2.176	-0.271
5	173	-0.466	-2.348	-1.882
5	174	-0.576	-2.115	-1.539
5	175	-0.628	-1.019	-0.391
5	176	-0.488	-0.999	-0.511
5	177	-0.676	-2.188	-1.512
10	7	-1.707	-1.175	0.532
10	8	-0.594	-1.086	-0.492
10	9	-2.106	-0.661	1.445
10	10	-0.834	-1.089	-0.255
10	11	-0.735	-1.134	-0.399
15	178	-0.616	-1.121	-0.505
15	179	-0.589	-2.269	-1.680
15	180	-0.635	-2.279	-1.644
15	181	-0.628	-0.992	-0.364
15	182	-0.485	-1.046	-0.561
30	14	-2.050	-1.016	1.034
30	15	-0.650	-2.525	-1.875
30	20	-1.901	-0.828	0.973
30	21	-1.975	-0.946	1.029
30	23	-0.663	-2.172	-1.509
35	183	-0.733	-1.029	-0.296
35	184	-0.466	-2.262	-1.796
35	219	-0.755	-1.012	-0.257
35	220	-1.822	-2.103	-0.281
35	221	-0.657	-0.811	-0.154
50	25	-0.870	-2.187	-1.317
50	26	-0.830	-1.206	-0.376
50	27	-1.854	-2.307	-0.453
50	29	-0.685	-1.379	-0.694
50	30	-0.684	-0.995	-0.311
55	222	-0.790	-2.127	-1.337
55	223	-0.541	-2.227	-1.686
55	224	-0.593	-1.257	-0.664
55	226	-0.659	-2.160	-1.501
55	227	-0.638	-1.278	-0.640
100	31	-0.739	-1.312	-0.573
100	32	-0.592	-1.051	-0.459
100	33	-0.533	-1.004	-0.471
100	35	-1.995	-1.099	0.896
100	36	-0.705	-1.180	-0.475
100	37	-0.679	-1.239	-0.560
100	38	-1.874	-1.102	0.772
100	39	-0.826	-2.242	-1.416
100	41	-0.871	-1.046	-0.375
100	42	-0.645	-1.118	-0.473
100	55	-0.554	-1.057	-0.503
100	56	-0.706	-1.110	-0.404
100	57	-0.585	-1.020	-0.435
100	58	-0.747	-2.244	-1.497
100	59	-0.716	-1.013	-0.297
100	60	-0.639	-1.100	-0.461
100	61	-0.683	-1.245	-0.562
100	62	-0.579	-2.161	-1.582
100	63	-0.554	-2.329	-1.775
100	64	-0.649	-1.216	-0.567
100	66	-0.554	-2.206	-1.652
100	67	-0.593	-2.305	-1.712
105	228	-0.850	-1.878	-1.028
105	229	-0.681	-1.658	-0.977
105	230	-0.757	-1.832	-1.075
105	231	-0.659	-1.791	-1.132
105	232	-0.733	-1.642	-0.909
	Max	-0.466	-0.661	1.445
	Average	-0.889	-1.528	-0.638
	Min	-2.106	-2.525	-1.882
	Std Dev	0.497	0.531	0.767

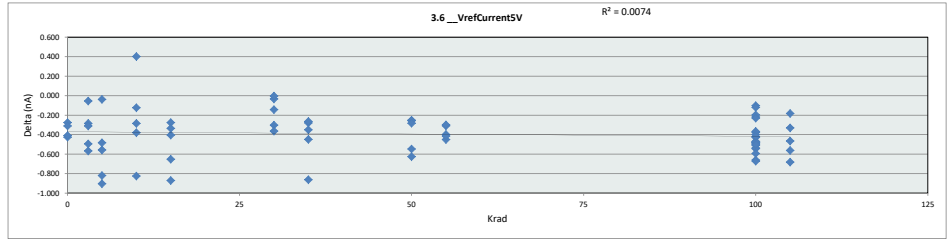


		3.5_VrefCurrent3V										
Test Site	Tester											
Test Number												
Max Limit		15	nA									
Min Limit		-15	nA									
Krad		0	3	5	10	15	30	35	50	55	100	105
LL		-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min		-1.682	-2.176	-2.348	-1.175	-2.279	-2.525	-2.262	-2.307	-2.227	-2.329	-1.878
Average		-1.557	-1.717	-1.734	-1.029	-1.541	-1.517	-1.443	-1.615	-1.810	-1.427	-1.760
Max		-1.473	-1.060	-0.999	-0.661	-0.992	-0.928	-0.811	-0.995	-1.257	-1.004	-1.642
UL		15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000

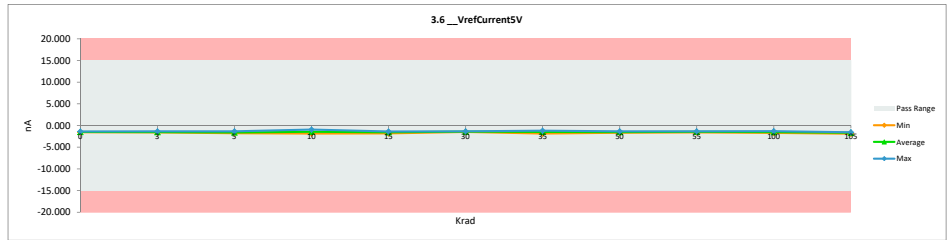


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		3.6_VrefCurrent5V		
Test Site	Tester			
Test Number	Unit	nA	nA	
Max Limit	Min Limit	15	-15	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	-1.215	-1.491	-0.276
0	140	-1.054	-1.364	-0.310
0	141	-1.129	-1.554	-0.425
0	142	-1.140	-1.549	-0.409
3	1	-1.027	-1.594	-0.567
3	3	-1.289	-1.574	-0.285
3	4	-1.039	-1.349	-0.310
3	5	-1.017	-1.512	-0.495
3	6	-1.463	-1.517	-0.054
5	173	-0.866	-1.770	-0.904
5	174	-0.906	-1.726	-0.820
5	175	-1.307	-1.346	-0.039
5	176	-0.945	-1.502	-0.557
5	177	-1.100	-1.583	-0.483
10	7	-1.191	-1.475	-0.284
10	8	-1.025	-1.850	-0.825
10	9	-1.327	-0.925	0.402
10	10	-1.310	-1.433	-0.123
10	11	-1.115	-1.495	-0.380
15	178	-1.203	-1.480	-0.277
15	179	-0.993	-1.645	-0.652
15	180	-0.934	-1.804	-0.870
15	181	-1.071	-1.407	-0.336
15	182	-0.958	-1.362	-0.404
30	14	-1.315	-1.348	-0.033
30	15	-1.139	-1.442	-0.303
30	20	-1.252	-1.395	-0.143
30	21	-1.372	-1.376	-0.004
30	23	-1.131	-1.495	-0.364
35	183	-1.092	-1.371	-0.279
35	184	-0.979	-1.841	-0.862
35	219	-0.988	-1.437	-0.449
35	220	-1.294	-1.558	-0.264
35	221	-0.837	-1.187	-0.350
50	25	-1.049	-1.675	-0.626
50	26	-0.970	-1.517	-0.547
50	27	-1.378	-1.635	-0.257
50	29	-1.107	-1.359	-0.252
50	30	-1.051	-1.334	-0.283
55	222	-1.057	-1.507	-0.450
55	223	-1.030	-1.427	-0.397
55	224	-1.029	-1.338	-0.309
55	226	-1.067	-1.367	-0.300
55	227	-1.181	-1.395	-0.414
100	31	-0.934	-1.478	-0.544
100	32	-1.132	-1.508	-0.376
100	33	-1.065	-1.284	-0.219
100	35	-1.370	-1.473	-0.103
100	36	-1.259	-1.457	-0.198
100	37	-0.988	-1.648	-0.660
100	38	-1.247	-1.367	-0.120
100	39	-1.107	-1.616	-0.509
100	41	-1.114	-1.345	-0.231
100	42	-1.121	-1.590	-0.469
100	55	-1.041	-1.532	-0.491
100	56	-1.027	-1.393	-0.366
100	57	-0.889	-1.370	-0.481
100	58	-1.181	-1.718	-0.537
100	59	-0.946	-1.375	-0.429
100	60	-0.989	-1.468	-0.479
100	61	-1.052	-1.451	-0.399
100	62	-1.157	-1.632	-0.475
100	63	-1.215	-1.634	-0.419
100	64	-1.106	-1.608	-0.502
100	66	-1.060	-1.653	-0.593
100	67	-0.969	-1.641	-0.672
105	228	-1.402	-1.584	-0.182
105	229	-1.093	-1.558	-0.465
105	230	-1.194	-1.875	-0.681
105	231	-1.169	-1.731	-0.562
105	232	-1.290	-1.621	-0.331
	Max	-0.837	-0.925	0.402
	Average	-1.114	-1.509	-0.395
	Min	-1.463	-1.875	-0.904
	Std Dev	0.140	0.160	0.223

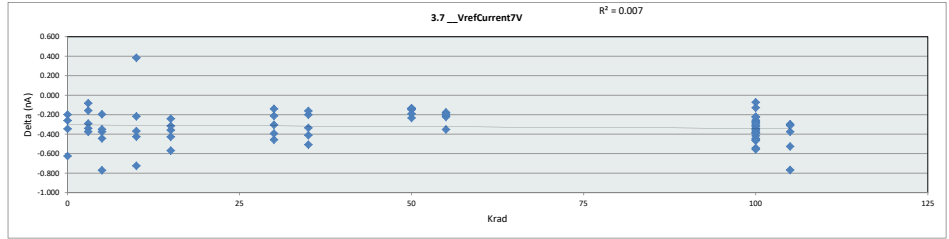


		3.6_VrefCurrent5V										
Test Site	Tester											
Test Number	Unit											
Max Limit	Min Limit	15	nA	-15	nA							
Krad		0	3	5	10	15	30	35	50	55	100	105
LL		-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min		-1.554	-1.594	-1.770	-1.850	-1.804	-1.495	-1.841	-1.675	-1.595	-1.718	-1.875
Average		-1.490	-1.509	-1.585	-1.436	-1.540	-1.411	-1.479	-1.504	-1.447	-1.511	-1.674
Max		-1.364	-1.349	-1.346	-0.925	-1.362	-1.348	-1.187	-1.334	-1.338	-1.284	-1.558
UL		15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000

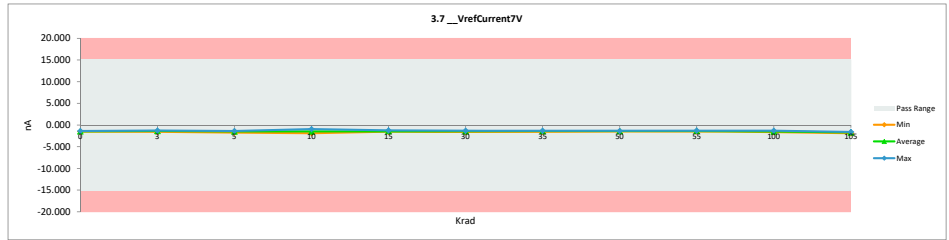


HDR TID Report  
POLARIS - TPS7H4001-SP

		3.7_VrefCurrent7V		
Test Site	Tester			
Test Number	Unit	nA	nA	
Max Limit	Min Limit	15	-15	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	-0.907	-1.532	-0.625
0	140	-1.114	-1.374	-0.260
0	141	-1.141	-1.486	-0.345
0	142	-1.238	-1.437	-0.199
3	1	-1.226	-1.567	-0.341
3	3	-1.273	-1.356	-0.083
3	4	-1.129	-1.287	-0.158
3	5	-0.973	-1.264	-0.291
3	6	-1.081	-1.456	-0.375
5	173	-0.957	-1.727	-0.770
5	174	-1.022	-1.397	-0.375
5	175	-1.208	-1.404	-0.196
5	176	-0.941	-1.384	-0.443
5	177	-1.079	-1.429	-0.350
10	7	-1.176	-1.601	-0.425
10	8	-1.176	-1.900	-0.724
10	9	-1.306	-0.922	0.384
10	10	-1.193	-1.411	-0.218
10	11	-1.206	-1.524	-0.368
15	178	-1.031	-1.389	-0.358
15	179	-1.186	-1.501	-0.315
15	180	-0.921	-1.489	-0.568
15	181	-1.089	-1.516	-0.427
15	182	-0.984	-1.226	-0.242
30	14	-1.179	-1.484	-0.305
30	15	-1.140	-1.597	-0.457
30	20	-1.078	-1.471	-0.393
30	21	-1.162	-1.302	-0.140
30	23	-1.243	-1.456	-0.213
35	183	-1.154	-1.565	-0.411
35	184	-0.901	-1.409	-0.508
35	219	-1.223	-1.423	-0.200
35	220	-0.995	-1.330	-0.335
35	221	-1.152	-1.314	-0.162
50	25	-1.341	-1.475	-0.134
50	26	-1.250	-1.408	-0.148
50	27	-1.282	-1.417	-0.135
50	29	-1.185	-1.419	-0.234
50	30	-1.187	-1.378	-0.191
55	222	-1.125	-1.328	-0.203
55	223	-1.100	-1.322	-0.222
55	224	-1.136	-1.312	-0.176
55	226	-1.071	-1.265	-0.194
55	227	-1.127	-1.478	-0.351
100	31	-1.017	-1.484	-0.467
100	32	-1.224	-1.499	-0.275
100	33	-1.222	-1.294	-0.072
100	35	-1.177	-1.620	-0.443
100	36	-1.104	-1.647	-0.543
100	37	-1.248	-1.586	-0.338
100	38	-1.058	-1.424	-0.366
100	39	-1.151	-1.501	-0.350
100	41	-1.239	-1.464	-0.225
100	42	-1.322	-1.451	-0.129
100	55	-1.119	-1.510	-0.391
100	56	-1.077	-1.464	-0.387
100	57	-0.969	-1.387	-0.418
100	58	-1.001	-1.458	-0.457
100	59	-1.150	-1.532	-0.382
100	60	-1.286	-1.543	-0.257
100	61	-1.059	-1.614	-0.555
100	62	-1.106	-1.382	-0.276
100	63	-1.042	-1.352	-0.310
100	64	-1.111	-1.428	-0.317
100	66	-1.157	-1.377	-0.220
100	67	-1.099	-1.393	-0.294
105	228	-1.278	-1.575	-0.297
105	229	-1.267	-1.641	-0.374
105	230	-1.393	-1.704	-0.311
105	231	-1.121	-1.888	-0.767
105	232	-1.169	-1.695	-0.526
	Max	-0.901	-0.922	0.384
	Average	-1.138	-1.460	-0.323
	Min	-1.393	-1.900	-0.770
	Std Dev	0.108	0.147	0.173

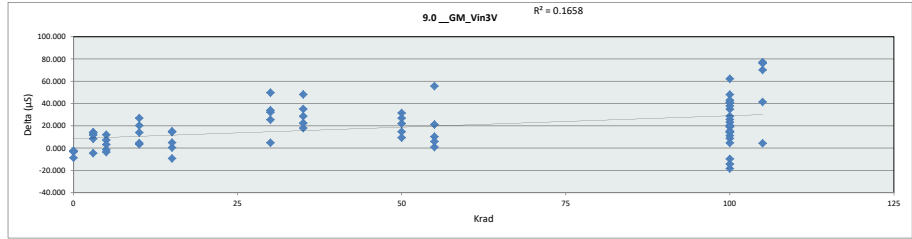


		3.7_VrefCurrent7V											
Test Site	Tester												
Test Number	Unit		nA										
Max Limit	Min Limit	15	-15										
Krad		0	3	5	10	15	30	35	50	55	100	105	
LL		-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	
Min		-1.532	-1.567	-1.727	-1.900	-1.900	-1.516	-1.597	-1.565	-1.475	-1.478	-1.647	-1.888
Average		-1.457	-1.386	-1.468	-1.482	-1.424	-1.462	-1.408	-1.419	-1.341	-1.473	-1.701	
Max		-1.374	-1.264	-1.384	-0.922	-1.226	-1.302	-1.314	-1.378	-1.265	-1.294	-1.575	
UL		15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	

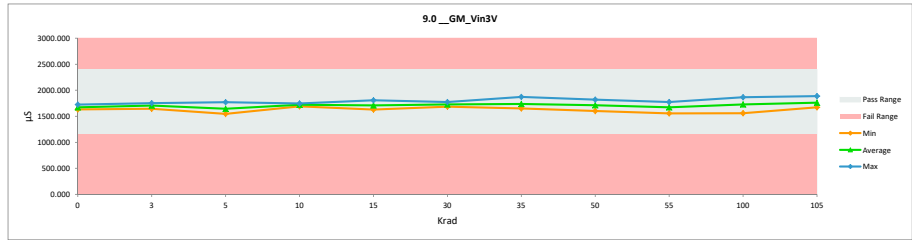


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		9.0_GM_Vin3V		
Test Site	Tester			
Test Number				
Unit		µS	µS	
Max Limit		2400	2400	
Min Limit		1150	1150	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	1734.560	1725.812	-8.748
0	140	1682.591	1680.249	-2.342
0	141	1654.972	1651.838	-3.134
0	142	1636.030	1632.759	-3.271
3	1	1708.746	1717.078	8.332
3	3	1738.163	1752.414	14.251
3	4	1630.351	1644.030	13.679
3	5	1681.597	1693.403	11.806
3	6	1724.871	1720.337	-4.534
5	173	1634.304	1646.273	11.969
5	174	1613.834	1612.483	-1.351
5	175	1640.253	1647.531	7.278
5	176	1766.476	1769.658	3.182
5	177	1549.776	1546.268	-3.508
10	7	1718.342	1745.317	26.975
10	8	1730.970	1745.027	14.057
10	9	1704.477	1724.745	20.268
10	10	1687.730	1691.290	3.560
10	11	1694.670	1699.126	4.456
15	178	1793.005	1807.967	14.962
15	179	1796.219	1796.721	0.502
15	180	1657.252	1662.157	4.905
15	181	1613.665	1628.191	14.526
15	182	1656.424	1647.200	-9.224
30	14	1695.802	1727.983	32.181
30	15	1658.502	1684.014	25.512
30	20	1677.720	1727.498	49.778
30	21	1694.473	1728.388	33.915
30	23	1768.153	1772.982	4.829
35	183	1758.134	1776.202	18.068
35	184	1671.657	1706.730	35.073
35	219	1601.389	1649.547	48.158
35	220	1662.445	1684.910	22.465
35	221	1843.038	1871.685	28.647
50	25	1759.014	1781.074	22.060
50	26	1575.119	1602.063	26.944
50	27	1788.843	1820.396	31.553
50	29	1679.402	1694.104	14.702
50	30	1651.362	1660.807	9.445
55	222	1555.290	1556.198	0.908
55	223	1631.602	1652.766	21.164
55	224	1764.529	1774.761	10.232
55	226	1713.567	1769.205	55.638
55	227	1609.173	1615.133	5.960
100	31	1725.177	1750.991	25.814
100	32	1718.630	1727.254	8.624
100	33	1630.917	1635.551	4.634
100	35	1863.826	1845.435	-18.391
100	36	1749.200	1789.721	40.521
100	37	1768.518	1803.541	35.023
100	38	1753.642	1764.751	11.109
100	39	1675.763	1696.144	20.381
100	41	1572.772	1635.066	62.294
100	42	1842.955	1866.239	23.284
100	55	1745.016	1782.861	37.845
100	56	1637.096	1656.040	18.944
100	57	1654.273	1695.479	41.206
100	58	1558.059	1577.636	19.577
100	59	1752.214	1800.245	48.031
100	60	1732.529	1761.120	28.591
100	61	1707.927	1698.239	-9.688
100	62	1542.414	1557.693	15.279
100	63	1646.572	1660.668	14.096
100	64	1696.969	1711.584	14.615
100	66	1770.633	1756.319	-14.314
100	67	1764.866	1807.820	42.954
105	228	1811.368	1888.495	77.127
105	229	1702.465	1772.549	70.084
105	230	1663.771	1739.937	76.166
105	231	1687.026	1728.517	41.491
105	232	1669.332	1673.671	4.339
	Max	1863.826	1888.495	77.127
	Average	1693.696	1713.069	19.373
	Min	1542.414	1546.268	-18.391
	Std Dev	71.641	75.572	20.724



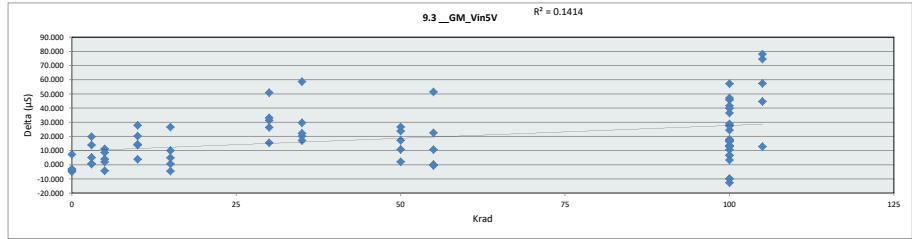
		9.0_GM_Vin3V										
Test Site	Tester											
Test Number												
Max Limit		2400	µS									
Min Limit		1150	µS									
Krad		0	3	5	10	15	30	35	50	55	100	105
LL		1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min		1632.759	1644.030	1546.268	1691.290	1628.191	1684.014	1649.547	1602.063	1556.198	1557.693	1673.671
Average		1672.665	1705.452	1644.443	1721.101	1708.447	1728.173	1737.815	1711.689	1673.613	1726.382	1760.634
Max		1725.812	1752.414	1769.658	1745.317	1807.967	1772.982	1871.685	1820.396	1774.761	1866.239	1888.495
UL		2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000



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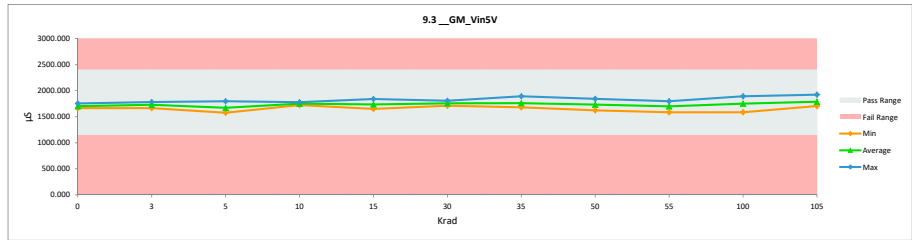
9.3_GM_Vin5V	
Test Site	
Tester	
Test Number	
Unit	µS
Max Limit	2400
Min Limit	1150

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	1759.071	1754.140	-4.931
0	140	1705.114	1712.403	7.289
0	141	1686.242	1682.461	-3.781
0	142	1668.553	1665.540	-3.013
3	1	1731.566	1745.509	13.943
3	3	1762.168	1781.980	19.812
3	4	1661.082	1666.233	5.151
3	5	1713.628	1714.216	0.588
3	6	1746.853	1747.446	0.593
5	173	1666.739	1677.989	11.250
5	174	1634.677	1638.700	4.023
5	175	1666.508	1668.549	2.041
5	176	1790.395	1799.032	8.637
5	177	1580.994	1576.789	-4.205
10	7	1751.972	1779.849	27.877
10	8	1753.372	1773.640	20.268
10	9	1740.000	1754.009	14.009
10	10	1721.004	1724.934	3.930
10	11	1717.061	1731.416	14.355
15	178	1814.847	1841.448	26.601
15	179	1830.380	1830.980	0.600
15	180	1678.919	1688.965	10.046
15	181	1646.602	1651.581	4.979
15	182	1678.618	1674.199	-4.419
30	14	1723.239	1749.637	26.398
30	15	1680.806	1712.154	31.348
30	20	1709.593	1760.498	50.905
30	21	1728.259	1761.363	33.104
30	23	1790.763	1806.344	15.581
35	183	1782.470	1802.621	20.151
35	184	1699.257	1728.879	29.622
35	219	1622.648	1681.253	58.605
35	220	1689.066	1706.209	17.143
35	221	1871.731	1893.978	22.247
50	25	1792.861	1803.678	10.817
50	26	1605.468	1622.666	17.198
50	27	1818.357	1845.031	26.674
50	29	1701.214	1724.989	23.775
50	30	1677.773	1679.874	2.101
55	222	1576.703	1587.401	10.698
55	223	1652.199	1674.732	22.533
55	224	1798.299	1797.769	-0.530
55	226	1741.303	1792.742	51.439
55	227	1640.462	1640.603	0.141
100	31	1748.477	1772.882	24.405
100	32	1745.914	1752.548	6.634
100	33	1653.071	1656.435	3.364
100	35	1893.920	1881.239	-12.681
100	36	1777.203	1822.984	45.781
100	37	1802.576	1830.194	27.618
100	38	1777.300	1787.858	10.558
100	39	1698.843	1716.120	17.277
100	41	1603.814	1660.971	57.157
100	42	1878.691	1895.058	16.367
100	55	1778.836	1815.328	36.492
100	56	1669.876	1687.868	17.992
100	57	1674.658	1716.281	41.623
100	58	1579.309	1608.215	28.906
100	59	1786.761	1833.931	47.170
100	60	1759.922	1787.450	27.528
100	61	1730.665	1720.775	-9.890
100	62	1573.482	1587.141	13.659
100	63	1674.118	1686.956	12.838
100	64	1729.864	1736.583	6.719
100	66	1798.156	1788.345	-9.811
100	67	1788.822	1828.606	39.784
105	228	1845.297	1923.306	78.009
105	229	1735.824	1793.228	57.404
105	230	1690.610	1765.217	74.607
105	231	1714.843	1759.551	44.708
105	232	1691.944	1704.724	12.780
105	233	1893.920	1923.306	29.386
	Average	1721.291	1740.482	19.191
	Min	1573.482	1576.789	-12.681
	Std Dev	72.602	76.302	19.801



9.3_GM_Vin5V	
Test Site	
Tester	
Test Number	
Max Limit	2400 µS
Min Limit	1150 µS

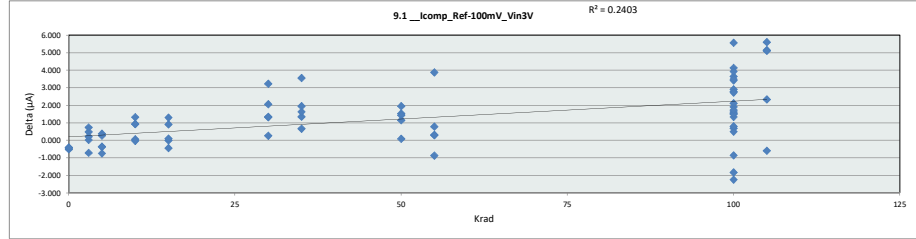
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min	1665.540	1666.233	1576.789	1724.934	1651.581	1712.154	1681.253	1622.666	1587.401	1587.141	1704.724
Average	1703.636	1731.077	1672.212	1752.770	1737.435	1757.999	1762.588	1735.248	1698.649	1753.353	1789.205
Max	1754.140	1781.980	1799.032	1779.849	1841.448	1806.344	1893.978	1845.031	1797.769	1895.058	1923.306
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000



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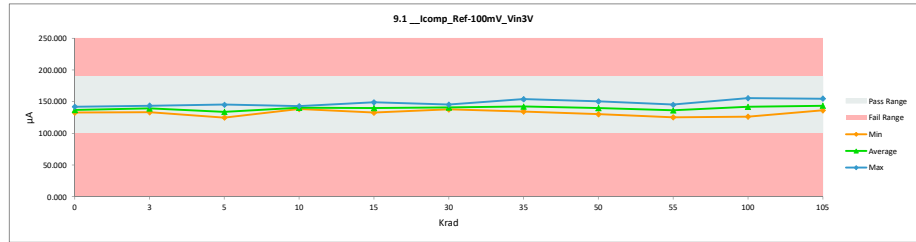
9.1_Icomp_Ref-100mV_Vin3V	
Test Site	
Tester	
Test Number	
Unit	µA
Max Limit	190
Min Limit	100

Krad	Serial #	PRE_HDR	POST_HDR	Delta
0	139	142.552	142.039	-0.513
0	140	137.830	137.401	-0.429
0	141	135.165	134.730	-0.435
0	142	133.249	132.847	-0.402
3	1	140.524	141.002	0.478
3	3	143.598	143.614	0.016
3	4	132.565	133.299	0.734
3	5	137.771	137.985	0.214
3	6	141.447	140.726	-0.721
5	173	133.109	133.483	0.374
5	174	132.139	131.781	-0.358
5	175	134.706	134.331	-0.375
5	176	144.900	145.166	0.266
5	177	125.648	124.902	-0.746
10	7	140.806	142.123	1.317
10	8	142.051	142.983	0.932
10	9	139.672	140.599	0.927
10	10	138.246	138.307	0.061
10	11	138.593	138.559	-0.034
15	178	148.103	149.012	0.909
15	179	147.949	147.945	-0.004
15	180	135.657	135.757	0.100
15	181	131.318	132.617	1.299
15	182	135.495	135.053	-0.442
30	14	139.261	140.577	1.316
30	15	136.384	137.722	1.338
30	20	136.727	139.952	3.225
30	21	139.031	141.089	2.058
30	23	145.114	145.372	0.258
35	183	145.661	146.323	0.662
35	184	137.338	139.287	1.949
35	219	130.779	134.333	3.554
35	220	136.585	137.931	1.346
35	221	152.203	153.830	1.627
50	25	144.373	145.903	1.530
50	26	128.672	130.100	1.428
50	27	148.297	150.243	1.946
50	29	136.716	137.862	1.146
50	30	135.169	135.254	0.085
55	222	126.296	125.423	-0.873
55	223	133.378	134.156	0.778
55	224	144.883	145.186	0.303
55	226	140.628	144.504	3.876
55	227	131.589	131.888	0.299
100	31	141.924	143.837	1.913
100	32	141.580	142.272	0.692
100	33	132.910	133.406	0.496
100	35	154.690	152.442	-2.248
100	36	144.328	147.110	2.782
100	37	145.772	149.187	3.415
100	38	144.918	145.718	0.800
100	39	136.833	138.446	1.613
100	41	127.722	133.286	5.564
100	42	152.557	155.466	2.909
100	55	143.544	147.192	3.648
100	56	133.747	135.256	1.509
100	57	135.360	138.848	3.488
100	58	126.031	128.149	2.118
100	59	144.483	148.613	4.130
100	60	143.707	146.428	2.721
100	61	139.707	138.850	-0.857
100	62	124.998	126.333	1.335
100	63	135.828	137.334	1.506
100	64	138.562	140.290	1.728
100	66	145.890	144.064	-1.826
100	67	145.069	148.991	3.922
105	228	149.548	154.694	5.146
105	229	139.233	144.341	5.108
105	230	135.856	141.457	5.601
105	231	138.874	141.208	2.334
105	232	136.881	136.284	-0.597
	Max	154.690	155.466	5.601
	Average	138.912	140.179	1.267
	Min	124.998	124.902	-2.248
	Std Dev	6.546	6.850	1.713



9.1_Icomp_Ref-100mV_Vin3V	
Test Site	
Tester	
Test Number	
Unit	µA
Max Limit	190
Min Limit	100

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	132.847	133.299	124.902	138.307	132.617	137.722	134.333	130.100	125.423	126.333	136.284
Average	136.754	139.325	133.933	140.514	140.077	140.942	142.341	139.872	136.231	141.887	143.597
Max	142.039	143.614	145.166	142.983	149.012	145.372	153.830	150.243	145.186	155.466	154.694
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000

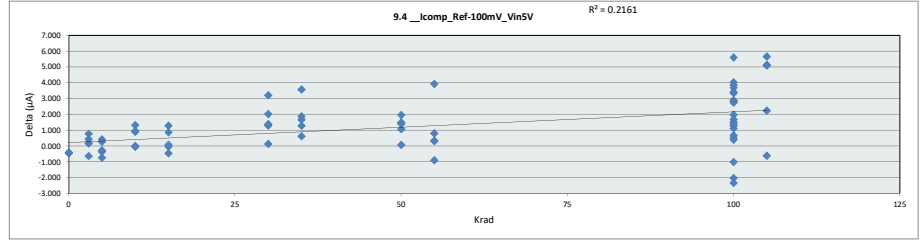




HDR TID Report  
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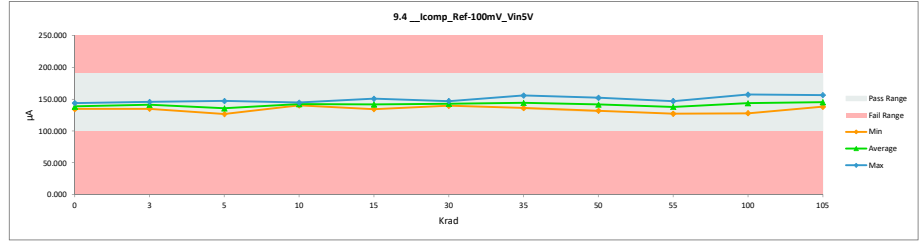
9.4_Icomp_Ref-100mV_Vin5V	
Test Site	
Tester	
Test Number	
Unit	µA
Max Limit	190
Min Limit	100

Krad	Serial #	PRE_HDR	POST_HDR	Delta
0	139	144.406	143.939	-0.467
0	140	139.719	139.299	-0.420
0	141	136.851	136.424	-0.427
0	142	134.932	134.520	-0.412
3	1	142.437	142.875	0.438
3	3	145.500	145.667	0.167
3	4	134.237	135.007	0.770
3	5	139.574	139.743	0.169
3	6	143.224	142.582	-0.642
5	173	134.802	135.212	0.410
5	174	133.814	133.450	-0.364
5	175	136.314	136.041	-0.273
5	176	146.895	147.166	0.271
5	177	127.351	126.604	-0.747
10	7	142.688	144.012	1.324
10	8	143.927	144.824	0.897
10	9	141.657	142.616	0.959
10	10	140.125	140.123	-0.002
10	11	140.423	140.374	-0.049
15	178	149.991	150.861	0.870
15	179	149.942	149.899	-0.043
15	180	137.463	137.546	0.083
15	181	133.186	134.476	1.290
15	182	137.279	136.816	-0.463
30	14	141.087	142.386	1.299
30	15	138.161	139.550	1.389
30	20	138.472	141.681	3.209
30	21	140.852	142.879	2.027
30	23	146.958	147.085	0.127
35	183	147.483	148.101	0.618
35	184	139.157	141.038	1.881
35	219	132.470	136.040	3.570
35	220	138.395	139.678	1.283
35	221	154.063	155.732	1.669
50	25	146.271	147.765	1.494
50	26	130.409	131.814	1.405
50	27	150.309	152.267	1.958
50	29	138.521	139.579	1.058
50	30	136.849	136.924	0.075
55	222	128.018	127.121	-0.897
55	223	135.159	135.960	0.801
55	224	146.758	147.080	0.322
55	226	142.477	146.409	3.932
55	227	133.260	133.585	0.325
100	31	143.835	145.527	1.692
100	32	143.461	144.004	0.543
100	33	134.751	135.160	0.409
100	35	156.811	154.472	-2.339
100	36	146.145	149.048	2.903
100	37	147.578	150.935	3.357
100	38	146.908	147.585	0.677
100	39	138.612	140.117	1.505
100	41	129.457	135.060	5.603
100	42	154.496	157.337	2.841
100	55	145.388	149.072	3.684
100	56	135.540	136.847	1.307
100	57	137.061	140.483	3.422
100	58	127.724	129.700	1.976
100	59	146.424	150.460	4.036
100	60	145.529	148.273	2.744
100	61	141.523	140.511	-1.012
100	62	126.806	127.936	1.130
100	63	137.684	138.998	1.314
100	64	140.379	141.846	1.467
100	66	147.814	145.790	-2.024
100	67	147.058	150.917	3.859
105	228	151.425	156.563	5.138
105	229	141.134	146.223	5.089
105	230	137.666	143.330	5.664
105	231	140.696	142.934	2.238
105	232	138.726	138.111	-0.615
	Max	156.811	157.337	5.664
	Average	140.739	141.972	1.232
	Min	126.806	126.604	-2.339
	Std Dev	6.618	6.922	1.720



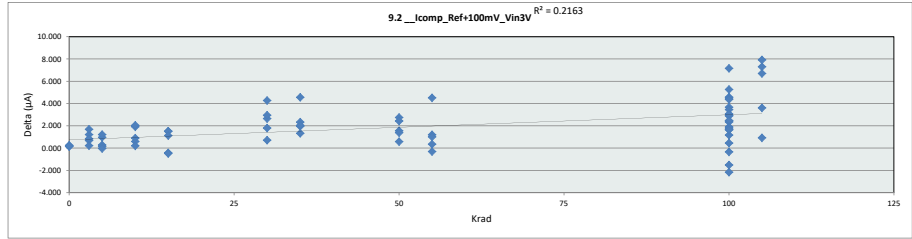
9.4_Icomp_Ref-100mV_Vin5	
Test Site	
Tester	
Test Number	
Max Limit	190 µA
Min Limit	100 µA

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	134.520	135.007	126.604	140.123	134.476	139.550	136.040	131.814	127.121	127.936	138.111
Average	138.546	141.175	135.695	142.390	141.920	142.716	144.118	141.670	138.031	143.640	145.432
Max	143.939	145.667	147.166	144.824	150.861	147.085	155.732	152.267	147.080	157.337	156.563
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000

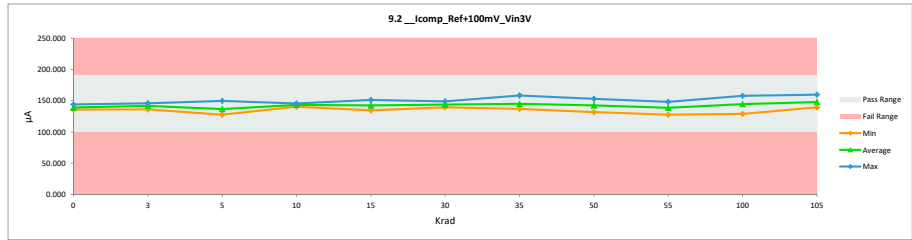


HDR TID Report  
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9.2_Icomp_Ref+100mV_Vin3V				
Test Site	Tester	Test Number	Unit	
			µA	µA
			190	190
			100	100
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	143.609	143.864	0.255
0	140	139.849	140.048	0.199
0	141	137.105	137.234	0.129
0	142	135.481	135.667	0.186
3	1	141.771	142.985	1.214
3	3	144.199	145.879	1.680
3	4	135.352	136.034	0.682
3	5	139.178	140.022	0.844
3	6	143.787	144.013	0.226
5	173	134.811	135.776	0.965
5	174	132.712	132.993	0.281
5	175	136.283	136.416	0.133
5	176	148.297	149.508	1.211
5	177	127.614	127.575	-0.039
10	7	142.954	144.876	1.922
10	8	144.654	145.544	0.890
10	9	141.300	143.347	2.047
10	10	139.823	140.418	0.595
10	11	141.240	141.440	0.200
15	178	149.670	151.182	1.512
15	179	150.789	150.359	-0.430
15	180	137.629	139.140	1.511
15	181	133.237	134.369	1.132
15	182	137.487	136.997	-0.490
30	14	141.473	143.280	1.807
30	15	136.598	139.248	2.650
30	20	139.795	144.063	4.268
30	21	140.374	143.320	2.946
30	23	148.247	148.961	0.714
35	183	147.061	149.015	1.954
35	184	138.851	141.187	2.336
35	219	132.209	136.767	4.558
35	220	138.153	139.483	1.330
35	221	156.226	158.275	2.049
50	25	147.235	148.786	1.551
50	26	129.006	131.758	2.752
50	27	150.555	152.981	2.426
50	29	139.845	141.223	1.378
50	30	137.256	137.840	0.584
55	222	127.952	127.644	-0.308
55	223	134.977	136.179	1.202
55	224	147.357	147.701	0.344
55	226	143.504	148.019	4.515
55	227	132.566	133.582	1.016
100	31	143.626	146.542	2.916
100	32	143.633	144.800	1.167
100	33	134.805	135.251	0.446
100	35	158.037	155.872	-2.165
100	36	146.572	150.237	3.665
100	37	147.998	152.567	4.569
100	38	145.857	147.518	1.661
100	39	139.131	141.473	2.342
100	41	129.898	137.057	7.159
100	42	154.879	157.777	2.898
100	55	145.413	148.870	3.457
100	56	135.390	137.818	2.428
100	57	136.505	141.002	4.497
100	58	128.165	130.068	1.903
100	59	146.177	151.434	5.257
100	60	144.601	147.668	3.067
100	61	142.349	142.006	-0.343
100	62	127.047	128.854	1.807
100	63	136.468	138.108	1.640
100	64	141.759	144.230	2.471
100	66	149.251	147.732	-1.519
100	67	147.828	152.200	4.372
105	228	152.234	159.534	7.300
105	229	141.921	148.618	6.697
105	230	139.131	147.052	7.921
105	231	140.541	144.155	3.614
105	232	138.324	139.250	0.926
	Max	158.037	159.534	7.921
	Average	140.924	142.855	1.931
	Min	127.047	127.575	-2.165
	Std Dev	6.866	7.215	1.992

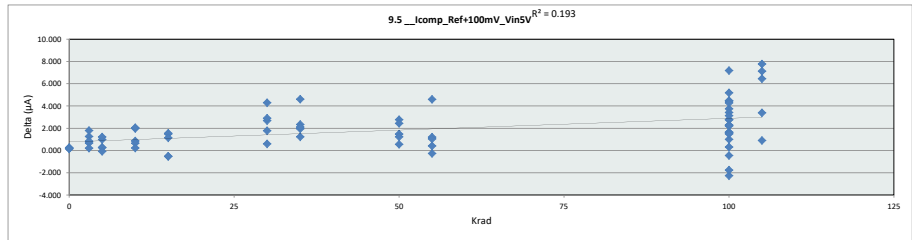


9.2_Icomp_Ref+100mV_Vin										
Test Site	Tester	Test Number	Unit							
			µA							
			190	190						
			100	100						
Krad	LL	Min	Average	Max	UL					
0	100.000	135.667	139.203	143.864	190.000					
3	100.000	136.034	141.787	145.879	190.000					
5	100.000	127.575	136.454	149.508	190.000					
10	100.000	140.418	143.125	145.544	190.000					
15	100.000	134.369	142.409	151.182	190.000					
30	100.000	139.248	143.774	148.961	190.000					
35	100.000	136.767	144.945	158.275	190.000					
50	100.000	131.758	142.518	152.981	190.000					
55	100.000	127.644	138.625	148.019	190.000					
100	100.000	128.854	144.504	157.777	190.000					
105	100.000	139.250	147.722	159.534	190.000					

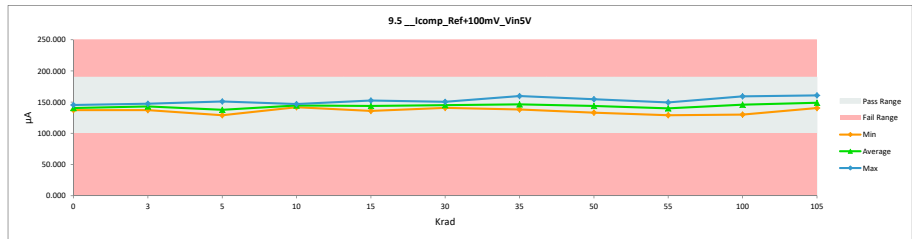


HDR TID Report  
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9.5_Icomp_Ref+100mV_Vin5V				
Test Site	Tester	Test Number	Unit	µA
Max Limit			190	190
Min Limit			100	100
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	145.090	145.352	0.262
0	140	141.221	141.427	0.206
0	141	138.376	138.529	0.153
0	142	136.900	137.070	0.170
3	1	143.234	144.496	1.262
3	3	145.663	147.450	1.787
3	4	136.632	137.310	0.678
3	5	140.518	141.359	0.841
3	6	145.142	145.349	0.207
5	173	136.166	137.154	0.988
5	174	134.029	134.305	0.276
5	175	137.477	137.733	0.256
5	176	149.807	151.018	1.211
5	177	128.988	128.910	-0.078
10	7	144.431	146.404	1.973
10	8	146.147	147.001	0.854
10	9	142.965	145.020	2.055
10	10	141.251	141.907	0.656
10	11	142.651	142.871	0.220
15	178	151.064	152.554	1.490
15	179	152.278	151.756	-0.522
15	180	138.942	140.485	1.543
15	181	134.728	135.868	1.140
15	182	138.944	138.416	-0.528
30	14	142.892	144.670	1.778
30	15	138.002	140.692	2.690
30	20	141.147	145.444	4.297
30	21	141.859	144.765	2.906
30	23	149.816	150.410	0.594
35	183	148.351	150.306	1.955
35	184	140.213	142.556	2.343
35	219	133.544	138.149	4.605
35	220	139.536	140.765	1.229
35	221	157.696	159.802	2.106
50	25	148.714	150.184	1.470
50	26	130.231	133.008	2.777
50	27	152.146	154.585	2.439
50	29	141.257	142.486	1.229
50	30	138.571	139.123	0.552
55	222	129.258	128.990	-0.268
55	223	136.266	137.466	1.200
55	224	148.738	149.148	0.410
55	226	144.963	149.558	4.595
55	227	133.847	134.888	1.041
100	31	145.069	147.830	2.761
100	32	144.978	145.986	1.008
100	33	136.214	136.520	0.306
100	35	159.745	157.477	-2.268
100	36	148.061	151.806	3.745
100	37	149.510	153.967	4.457
100	38	147.373	148.942	1.569
100	39	140.512	142.721	2.209
100	41	131.173	138.354	7.181
100	42	156.492	159.273	2.781
100	55	146.890	150.310	3.420
100	56	136.810	139.099	2.289
100	57	137.831	142.316	4.485
100	58	129.550	131.205	1.655
100	59	147.665	152.848	5.183
100	60	145.926	149.060	3.134
100	61	143.762	143.317	-0.445
100	62	128.271	129.903	1.632
100	63	137.873	139.360	1.487
100	64	143.127	145.373	2.246
100	66	150.738	148.986	-1.752
100	67	149.342	153.623	4.281
105	228	153.678	160.812	7.134
105	229	143.402	149.857	6.455
105	230	140.457	148.233	7.776
105	231	141.987	145.371	3.384
105	232	139.728	140.627	0.899
Max		159.745	160.812	7.776
Average		142.336	144.224	1.888
Min		128.271	128.910	-2.268
Std Dev		6.934	7.268	1.981

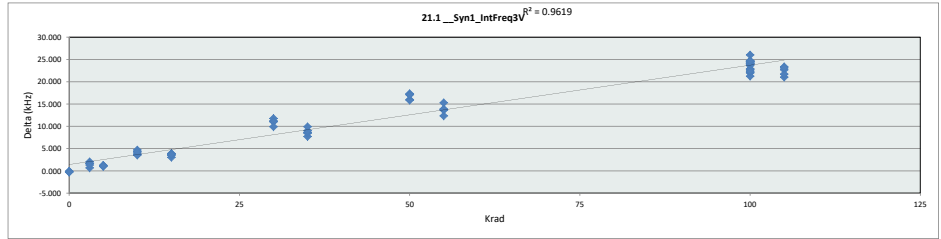


9.5_Icomp_Ref+100mV_Vin														
Test Site	Tester	Test Number	Unit	µA										
Max Limit			190	190										
Min Limit			100	100										
Krad	LL	Min	Average	Max	UL	5	10	15	30	35	50	55	100	105
0	100.000	137.070	140.595	145.352	190.000	137.310	137.824	144.641	145.196	146.316	143.877	140.010	145.831	148.980
3	100.000	137.310	143.193	147.450	190.000	128.910	128.910	147.001	150.410	159.802	154.585	149.558	159.273	160.812
5	100.000	137.824	137.824	151.018	190.000	144.670	144.670	152.554	150.410	159.802	154.585	149.558	159.273	160.812
10	100.000	144.670	144.670	151.018	190.000	144.670	144.670	152.554	150.410	159.802	154.585	149.558	159.273	160.812
15	100.000	144.670	144.670	151.018	190.000	144.670	144.670	152.554	150.410	159.802	154.585	149.558	159.273	160.812
30	100.000	144.670	144.670	151.018	190.000	144.670	144.670	152.554	150.410	159.802	154.585	149.558	159.273	160.812
35	100.000	144.670	144.670	151.018	190.000	144.670	144.670	152.554	150.410	159.802	154.585	149.558	159.273	160.812
50	100.000	144.670	144.670	151.018	190.000	144.670	144.670	152.554	150.410	159.802	154.585	149.558	159.273	160.812
55	100.000	144.670	144.670	151.018	190.000	144.670	144.670	152.554	150.410	159.802	154.585	149.558	159.273	160.812
100	100.000	144.670	144.670	151.018	190.000	144.670	144.670	152.554	150.410	159.802	154.585	149.558	159.273	160.812
105	100.000	144.670	144.670	151.018	190.000	144.670	144.670	152.554	150.410	159.802	154.585	149.558	159.273	160.812

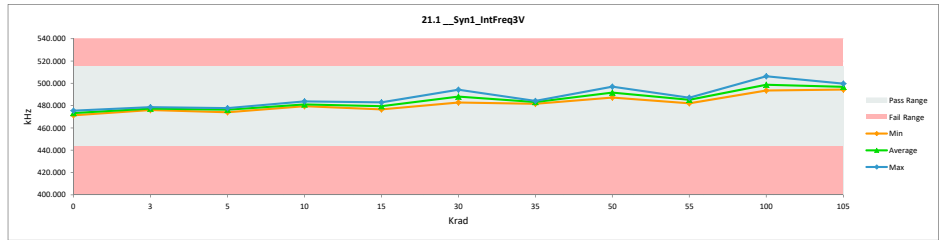


HDR TID Report  
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		21.1_Syn1_IntFreq3V		
Test Site	Tester			
Test Number				
Unit	kHz	kHz		
Max Limit	515	515		
Min Limit	444	444		
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	471.448	471.345	-0.103
0	140	475.579	475.446	-0.133
0	141	471.762	471.522	-0.240
0	142	475.015	474.699	-0.316
3	1	474.297	475.959	1.662
3	3	476.336	478.372	2.036
3	4	476.867	478.552	1.685
3	5	475.422	476.084	0.662
3	6	476.014	477.316	1.302
5	173	476.301	477.534	1.233
5	174	474.580	475.794	1.214
5	175	472.922	474.064	1.142
5	176	475.662	476.666	1.004
5	177	476.647	477.703	1.056
10	7	475.885	479.527	3.642
10	8	476.869	480.890	4.021
10	9	476.219	479.745	3.526
10	10	476.706	481.414	4.708
10	11	479.471	483.804	4.333
15	178	476.575	480.091	3.516
15	179	475.770	479.619	3.849
15	180	478.950	482.859	3.909
15	181	473.506	476.562	3.056
15	182	474.812	478.494	3.682
30	14	473.426	484.615	11.189
30	15	482.559	494.309	11.750
30	20	481.815	492.937	11.122
30	21	474.872	485.886	11.014
30	23	472.807	482.714	9.907
35	183	476.490	484.196	7.706
35	184	475.325	483.801	8.476
35	219	474.360	482.952	8.592
35	220	474.396	483.387	8.991
35	221	471.738	481.651	9.913
50	25	474.237	490.255	16.018
50	26	476.954	492.700	15.846
50	27	479.797	496.920	17.123
50	29	473.780	491.104	17.324
50	30	470.181	487.264	17.083
55	222	471.487	485.262	13.775
55	223	471.721	487.014	15.293
55	224	469.647	481.991	12.344
55	226	472.823	486.463	13.640
55	227	471.790	485.682	13.892
100	31	474.071	498.711	24.640
100	32	473.221	497.736	24.515
100	33	480.730	504.756	24.026
100	35	477.000	501.533	24.533
100	36	479.616	502.426	22.810
100	37	471.512	495.502	23.990
100	38	474.572	498.188	23.616
100	39	475.757	499.810	24.053
100	41	475.795	500.155	24.360
100	42	472.467	496.452	23.985
100	55	480.329	506.337	26.008
100	56	480.040	502.935	22.895
100	57	469.482	493.867	24.385
100	58	472.271	494.301	22.030
100	59	475.901	499.988	24.087
100	60	474.842	499.404	24.562
100	61	471.558	496.301	24.743
100	62	473.972	495.961	21.989
100	63	472.325	493.582	21.257
100	64	472.656	495.295	22.639
100	66	476.372	501.011	24.639
100	67	475.486	497.777	22.291
105	228	476.803	497.819	21.016
105	229	471.677	494.351	22.674
105	230	474.235	495.943	21.708
105	231	473.228	496.606	23.378
105	232	476.668	499.766	23.098
	Max	482.559	506.337	26.008
	Average	475.018	488.193	13.174
	Min	469.482	471.345	-0.316
	Std Dev	2.817	9.547	9.339



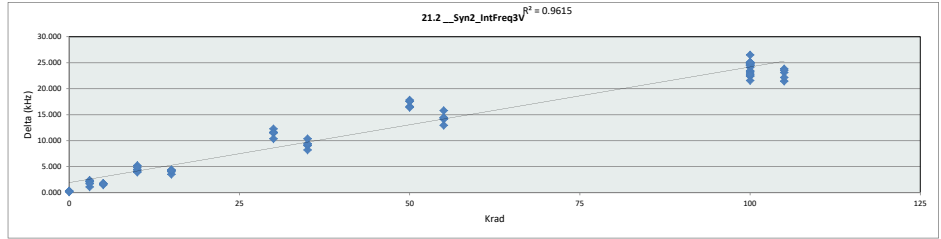
		21.1_Syn1_IntFreq3V									
Test Site	Tester										
Test Number											
Max Limit	515	kHz									
Min Limit	444	kHz									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	444.000	444.000	444.000	444.000	444.000	444.000	444.000	444.000	444.000	444.000	444.000
Min	471.345	475.959	474.064	479.527	476.562	482.714	481.651	487.264	481.991	493.582	494.351
Average	473.253	477.257	476.352	481.076	479.525	488.092	483.197	491.649	485.282	498.729	496.897
Max	475.446	478.552	477.703	483.804	482.859	494.309	484.196	496.920	487.014	506.337	499.766
UL	515.000	515.000	515.000	515.000	515.000	515.000	515.000	515.000	515.000	515.000	515.000



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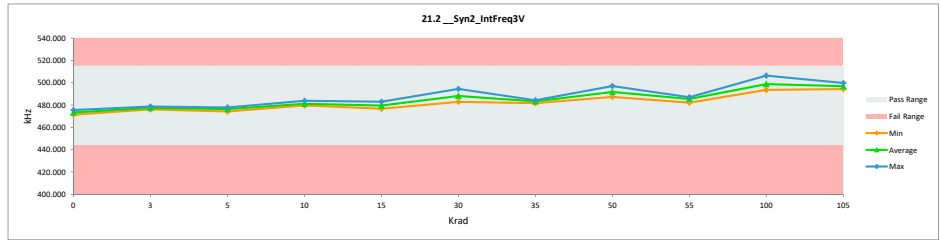
21.2_Syn2_IntFreq3V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	515
Min Limit	444

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	471.267	471.476	0.209
0	140	475.294	475.612	0.318
0	141	471.434	471.754	0.320
0	142	474.660	474.817	0.157
3	1	474.022	476.153	2.131
3	3	476.131	478.529	2.398
3	4	476.605	478.708	2.103
3	5	475.147	476.266	1.119
3	6	475.716	477.430	1.714
5	173	475.906	477.679	1.773
5	174	474.235	475.940	1.705
5	175	472.509	474.282	1.773
5	176	475.312	476.820	1.508
5	177	476.212	477.871	1.659
10	7	475.557	479.698	4.141
10	8	476.542	481.046	4.504
10	9	475.979	479.924	3.945
10	10	476.342	481.565	5.223
10	11	479.078	483.978	4.900
15	178	476.213	480.241	4.028
15	179	475.371	479.764	4.393
15	180	478.657	482.995	4.338
15	181	473.185	476.710	3.525
15	182	474.371	478.636	4.265
30	14	473.113	484.749	11.636
30	15	482.216	494.503	12.287
30	20	481.496	493.079	11.583
30	21	474.617	486.103	11.486
30	23	472.498	482.859	10.361
35	183	476.113	484.332	8.219
35	184	474.900	483.945	9.045
35	219	473.987	483.156	9.169
35	220	474.042	483.462	9.420
35	221	471.413	481.790	10.377
50	25	473.859	490.434	16.575
50	26	476.489	492.879	16.390
50	27	479.513	497.072	17.559
50	29	473.483	491.286	17.803
50	30	469.818	487.395	17.577
55	222	471.056	485.435	14.379
55	223	471.359	487.147	15.788
55	224	469.195	482.164	12.969
55	226	472.505	486.633	14.128
55	227	471.403	485.854	14.451
100	31	473.716	498.606	24.890
100	32	472.894	497.905	25.011
100	33	480.367	504.917	24.550
100	35	476.666	501.663	24.997
100	36	479.272	502.578	23.306
100	37	471.093	495.626	24.533
100	38	474.222	498.321	24.099
100	39	475.399	499.910	24.511
100	41	475.382	500.285	24.903
100	42	472.062	496.551	24.489
100	55	480.020	506.522	26.502
100	56	479.622	503.087	23.465
100	57	469.082	493.980	24.898
100	58	471.949	494.415	22.466
100	59	475.513	500.101	24.588
100	60	474.540	499.520	24.980
100	61	471.301	496.384	25.083
100	62	473.680	496.078	22.398
100	63	472.057	493.629	21.572
100	64	472.353	495.372	23.019
100	66	476.068	501.164	25.096
100	67	475.185	497.884	22.699
105	228	476.403	497.865	21.462
105	229	471.292	494.398	23.106
105	230	473.855	496.005	22.150
105	231	472.818	496.627	23.809
105	232	476.259	499.799	23.540
105	Max	482.216	506.522	26.502
105	Average	474.675	488.329	13.655
105	Min	469.082	471.476	0.157
105	Std Dev	2.822	9.526	9.325



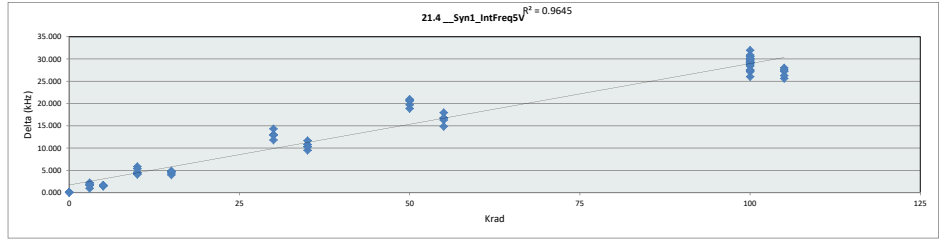
21.2_Syn2_IntFreq3V	
Test Site	
Tester	
Test Number	
Max Limit	515 kHz
Min Limit	444 kHz

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	444.000	444.000	444.000	444.000	444.000	444.000	444.000	444.000	444.000	444.000	444.000
Min	471.476	476.153	474.282	479.698	476.710	482.859	481.790	487.395	482.164	493.629	494.398
Average	473.415	477.417	476.518	481.242	479.669	488.259	483.337	491.813	485.447	498.841	496.939
Max	475.612	478.708	477.871	483.978	482.995	494.503	484.332	497.072	487.147	506.522	499.799
UL	515.000	515.000	515.000	515.000	515.000	515.000	515.000	515.000	515.000	515.000	515.000

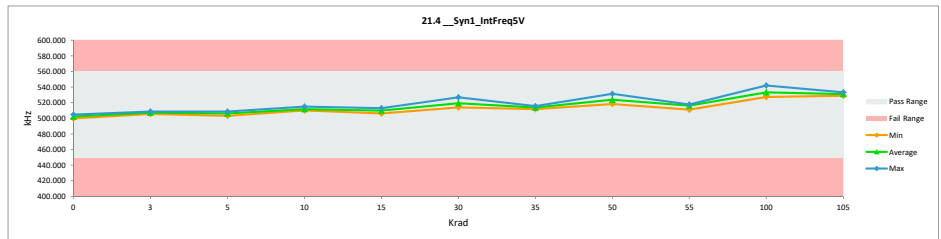


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21.4_Syn1_IntFreq5V				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	499.810	499.888	0.078
0	140	504.688	504.756	0.068
0	141	500.579	500.703	0.124
0	142	503.451	503.529	0.078
3	1	503.984	505.884	1.900
3	3	506.231	508.438	2.207
3	4	506.621	508.513	1.892
3	5	504.464	505.442	0.978
3	6	505.634	507.247	1.613
5	173	505.276	506.863	1.587
5	174	503.509	504.981	1.472
5	175	501.369	503.046	1.677
5	176	505.297	506.799	1.502
5	177	507.039	508.695	1.656
10	7	505.646	509.952	4.306
10	8	506.282	510.882	4.600
10	9	506.229	510.315	4.086
10	10	506.394	512.234	5.840
10	11	509.586	514.975	5.389
15	178	506.298	510.710	4.412
15	179	505.513	510.251	4.738
15	180	508.217	512.887	4.670
15	181	502.124	506.097	3.973
15	182	504.474	509.362	4.888
30	14	501.403	514.405	13.002
30	15	512.604	526.943	14.339
30	20	511.386	524.329	12.943
30	21	504.144	517.066	12.922
30	23	502.105	513.929	11.824
35	183	506.102	515.626	9.524
35	184	503.805	514.107	10.302
35	219	503.216	513.549	10.333
35	220	502.454	513.240	10.786
35	221	500.063	511.732	11.669
50	25	503.819	523.527	19.708
50	26	504.897	523.766	18.869
50	27	510.376	531.342	20.966
50	29	501.921	522.489	20.568
50	30	497.569	518.299	20.730
55	222	500.581	517.301	16.720
55	223	499.728	517.670	17.942
55	224	496.297	511.150	14.853
55	226	500.764	517.053	16.289
55	227	500.645	517.403	16.758
100	31	503.294	533.874	30.580
100	32	502.046	532.020	29.974
100	33	510.189	539.324	29.135
100	35	507.513	538.382	30.869
100	36	509.295	537.992	28.697
100	37	499.322	528.451	29.129
100	38	503.508	532.611	29.103
100	39	504.365	533.615	29.250
100	41	504.332	534.448	30.116
100	42	502.240	531.326	29.086
100	55	510.067	542.010	31.943
100	56	508.972	536.468	27.496
100	57	497.643	527.345	29.702
100	58	500.990	528.150	27.160
100	59	503.897	533.427	29.530
100	60	503.741	534.306	30.565
100	61	499.387	529.414	30.027
100	62	503.474	530.811	27.337
100	63	501.776	527.793	26.017
100	64	501.574	529.984	28.410
100	66	505.517	535.551	30.034
100	67	504.843	532.365	27.522
105	228	506.890	532.528	25.638
105	229	501.639	528.837	27.198
105	230	504.418	530.702	26.284
105	231	501.635	529.627	27.992
105	232	505.712	533.267	27.555
Max		512.604	542.010	31.943
Average		504.097	520.169	16.072
Min		496.297	499.888	0.068
Std Dev		3.339	11.586	11.408



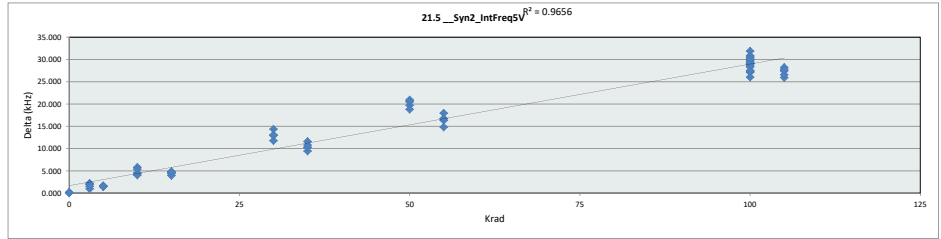
21.4_Syn1_IntFreq5V										
Krad	0	5	10	15	30	35	50	55	100	105
LL	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000
Min	499.888	505.442	503.046	509.952	506.097	513.929	511.732	518.299	511.150	527.345
Average	502.219	507.105	506.077	511.672	509.861	519.334	513.651	523.885	516.115	533.167
Max	504.756	508.513	508.695	514.975	512.887	526.943	515.626	531.342	517.670	542.010
UL	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000



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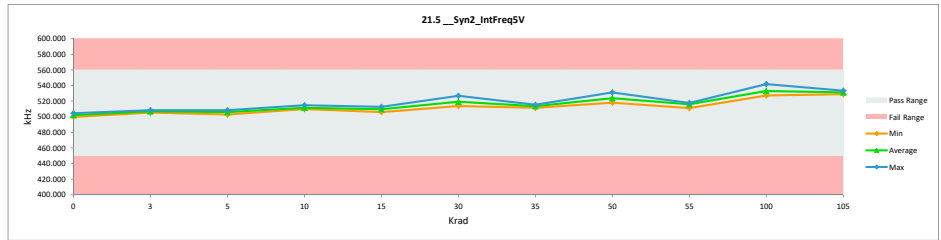
21.5_Syn2_IntFreq5V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	560
Min Limit	449

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	499.594	499.771	0.177
0	140	504.509	504.593	0.084
0	141	500.406	500.558	0.152
0	142	503.335	503.394	0.059
3	1	503.807	505.801	1.994
3	3	506.101	508.313	2.212
3	4	506.454	508.412	1.958
3	5	504.322	505.274	0.952
3	6	505.521	507.055	1.534
5	173	505.165	506.721	1.556
5	174	503.353	504.829	1.476
5	175	501.285	502.903	1.618
5	176	505.212	506.684	1.472
5	177	506.878	508.509	1.631
10	7	505.492	509.818	4.326
10	8	506.155	510.669	4.514
10	9	506.119	510.162	4.043
10	10	506.266	512.096	5.830
10	11	509.470	514.834	5.364
15	178	506.170	510.544	4.374
15	179	505.353	510.064	4.711
15	180	508.085	512.746	4.661
15	181	501.966	505.919	3.953
15	182	504.355	509.195	4.840
30	14	501.304	514.345	13.041
30	15	512.434	526.803	14.369
30	20	511.222	524.211	12.989
30	21	503.987	516.955	12.968
30	23	501.952	513.721	11.769
35	183	506.021	515.452	9.431
35	184	503.692	513.971	10.279
35	219	503.121	513.415	10.294
35	220	502.324	513.139	10.815
35	221	499.951	511.551	11.600
50	25	503.672	523.375	19.703
50	26	504.804	523.631	18.827
50	27	510.232	531.178	20.946
50	29	501.819	522.315	20.496
50	30	497.495	518.143	20.648
55	222	500.435	517.161	16.726
55	223	499.615	517.556	17.941
55	224	496.218	511.030	14.812
55	226	500.606	516.929	16.323
55	227	500.551	517.234	16.683
100	31	503.163	533.664	30.501
100	32	501.894	531.873	29.979
100	33	510.028	539.178	29.150
100	35	507.359	538.225	30.866
100	36	509.205	537.843	28.638
100	37	499.247	528.247	29.000
100	38	503.379	532.410	29.031
100	39	504.241	533.443	29.202
100	41	504.189	534.260	30.071
100	42	502.117	531.189	29.072
100	55	509.924	541.809	31.885
100	56	508.846	536.281	27.435
100	57	497.494	527.174	29.680
100	58	500.912	528.036	27.124
100	59	503.761	533.197	29.436
100	60	503.562	534.131	30.569
100	61	499.268	529.240	29.972
100	62	503.331	530.656	27.325
100	63	501.585	527.611	26.026
100	64	501.459	529.800	28.341
100	66	505.372	535.438	30.066
100	67	504.688	532.177	27.489
105	228	506.795	532.709	25.914
105	229	501.497	528.935	27.438
105	230	504.270	530.835	26.565
105	231	501.476	529.698	28.222
105	232	505.564	533.370	27.806
Max		512.434	541.809	31.885
Average		503.964	520.034	16.070
Min		496.218	499.771	0.059
Std Dev		3.333	11.594	11.415



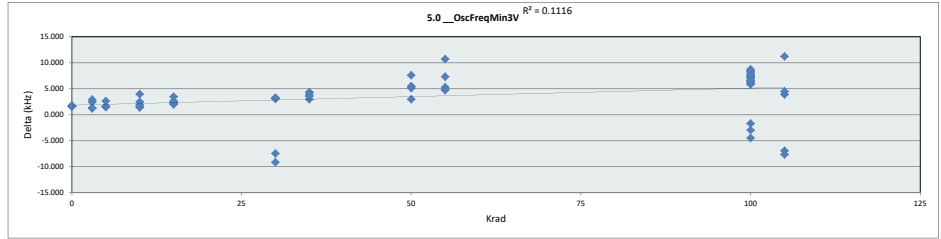
21.5_Syn2_IntFreq5V	
Test Site	
Tester	
Test Number	
Max Limit	560 kHz
Min Limit	449 kHz

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000
Min	499.771	505.274	502.903	509.818	505.919	513.721	511.551	518.143	511.030	527.174	528.935
Average	502.079	506.971	505.929	511.516	509.694	519.207	513.506	523.728	515.982	532.995	531.109
Max	504.593	508.412	508.509	514.834	512.746	526.803	515.452	531.178	517.556	541.809	533.370
UL	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000



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		5.0_OscFreqMin3V		
Test Site	Tester			
Test Number	Unit	kHz	kHz	
Max Limit	125	125		
Min Limit	80	80		
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	97.985	99.560	1.575
0	140	101.704	103.477	1.773
0	141	101.066	102.619	1.553
0	142	101.537	103.259	1.722
3	1	99.711	102.224	2.513
3	3	99.135	100.353	1.218
3	4	100.636	103.544	2.908
3	5	99.060	101.508	2.448
3	6	101.247	102.554	1.307
5	173	99.760	102.378	2.618
5	174	102.023	103.530	1.507
5	175	98.409	99.925	1.516
5	176	100.686	102.232	1.546
5	177	100.778	102.430	1.652
10	7	97.270	101.237	3.967
10	8	98.144	99.534	1.390
10	9	102.693	104.195	1.502
10	10	99.998	102.462	2.464
10	11	100.253	102.159	1.906
15	178	103.800	105.795	1.995
15	179	101.795	104.156	2.361
15	180	100.756	102.913	2.157
15	181	99.161	102.622	3.461
15	182	101.665	104.310	2.645
30	14	102.305	105.556	3.251
30	15	101.665	94.216	-7.450
30	20	102.602	105.804	3.202
30	21	100.238	103.260	3.022
30	23	100.934	91.791	-9.143
35	183	100.600	103.563	2.963
35	184	99.123	102.938	3.815
35	219	99.829	104.145	4.316
35	220	101.046	104.608	3.562
35	221	99.068	103.326	4.258
50	25	100.792	103.767	2.975
50	26	101.767	106.905	5.138
50	27	100.151	107.752	7.601
50	29	101.970	107.449	5.479
50	30	100.246	105.664	5.418
55	222	99.439	104.727	5.288
55	223	100.063	104.798	4.735
55	224	101.163	108.470	7.307
55	226	104.313	109.192	4.879
55	227	96.159	106.845	10.686
100	31	98.988	96.028	-2.960
100	32	99.856	107.673	7.817
100	33	100.463	108.772	8.309
100	35	99.229	106.600	7.371
100	36	99.898	106.287	6.389
100	37	101.317	109.696	8.379
100	38	101.385	107.826	6.441
100	39	105.830	114.008	8.178
100	41	102.373	109.779	7.406
100	42	100.178	106.623	6.445
100	55	102.654	111.387	8.733
100	56	103.355	109.322	5.967
100	57	101.338	99.635	-1.703
100	58	98.936	104.767	5.831
100	59	99.238	106.585	7.347
100	60	101.218	107.679	6.461
100	61	100.836	108.247	7.411
100	62	102.080	108.376	6.296
100	63	99.376	106.624	7.248
100	64	97.790	104.699	6.909
100	66	99.479	95.001	-4.478
100	67	102.505	109.944	7.439
105	228	100.444	93.501	-6.943
105	229	99.601	91.952	-7.649
105	230	101.043	104.934	3.891
105	231	95.960	107.172	11.212
105	232	99.410	103.902	4.492
	Max	105.830	114.008	11.212
	Average	100.529	104.095	3.567
	Min	95.960	91.791	-9.143
	Std Dev	1.720	4.322	4.033

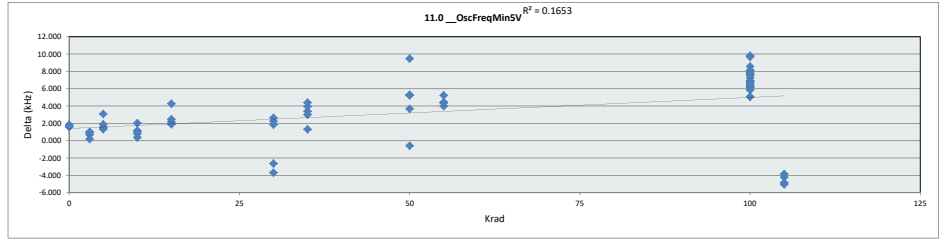


		5.0_OscFreqMin3V													
Test Site	Tester														
Test Number	Unit	kHz	kHz												
Max Limit	125	125													
Min Limit	80	80													
Krad	LL	Min	Average	Max	UL	0	5	10	15	30	35	50	55	100	105
	80.000	99.560	102.229	103.477	125.000	80.000	100.353	102.037	102.099	101.917	103.959	100.125	103.716	106.307	106.616
	80.000	100.353	102.037	102.099	125.000	80.000	99.925	102.938	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99.534	102.622	104.195	105.795	105.804	104.608	107.752	109.192	114.008
	80.000	100.353	102.037	102.099	125.000	80.000	99								

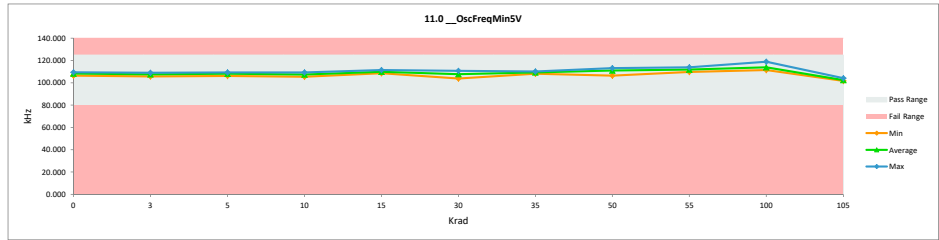


HDR TID Report  
POLARIS - TPS7H4001-SP

		11.0_OscFreqMin5V		
Test Site	Tester			
Test Number	Unit	kHz	kHz	
Max Limit	125	125		
Min Limit	80	80		
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	104.802	106.487	1.685
0	140	107.629	109.478	1.849
0	141	107.299	108.895	1.596
0	142	106.542	108.205	1.663
3	1	106.671	107.636	0.965
3	3	105.589	105.764	0.175
3	4	108.334	109.020	0.686
3	5	106.200	107.118	0.918
3	6	107.198	108.221	1.023
5	173	104.853	107.933	3.080
5	174	107.936	109.272	1.336
5	175	104.727	106.208	1.481
5	176	106.668	108.546	1.878
5	177	107.065	108.624	1.559
10	7	105.764	106.927	1.163
10	8	105.013	105.385	0.372
10	9	108.343	109.372	1.029
10	10	106.369	108.395	2.026
10	11	106.621	107.418	0.797
15	178	109.574	111.468	1.894
15	179	107.797	109.982	2.185
15	180	107.176	109.123	1.947
15	181	104.408	108.669	4.261
15	182	107.741	110.207	2.466
30	14	108.078	110.714	2.636
30	15	107.512	103.811	-3.701
30	20	108.540	110.797	2.257
30	21	106.968	108.822	1.854
30	23	107.373	104.723	-2.650
35	183	106.886	108.197	1.311
35	184	105.352	108.753	3.401
35	219	105.759	110.145	4.386
35	220	107.226	110.242	3.016
35	221	105.560	109.516	3.956
50	25	107.027	106.432	-0.595
50	26	107.742	111.424	3.682
50	27	103.750	113.227	9.477
50	29	107.747	112.965	5.218
50	30	106.008	111.307	5.299
55	222	105.886	110.323	4.437
55	223	105.751	109.734	3.983
55	224	108.780	113.143	4.363
55	226	109.458	113.864	4.406
55	227	107.460	112.695	5.235
100	31	105.731	112.522	6.791
100	32	105.495	113.614	8.119
100	33	107.784	114.706	6.922
100	35	105.790	113.048	7.258
100	36	106.581	112.815	6.234
100	37	108.850	115.265	6.415
100	38	107.263	114.158	6.895
100	39	111.340	118.897	7.557
100	41	108.172	115.733	7.561
100	42	106.820	111.889	5.069
100	55	107.279	117.082	9.803
100	56	108.950	114.024	5.074
100	57	106.679	114.531	7.852
100	58	105.622	111.778	6.156
100	59	104.587	113.150	8.563
100	60	107.385	114.087	6.702
100	61	106.481	114.571	8.090
100	62	108.147	114.364	6.217
100	63	105.917	112.487	6.570
100	64	101.978	111.662	9.684
100	66	105.602	111.450	5.848
100	67	107.969	115.684	7.715
105	228	106.824	101.780	-5.044
105	229	106.185	101.967	-4.218
105	230	107.142	102.276	-4.866
105	231	108.978	104.107	-4.871
105	232	105.878	102.034	-3.844
	Max	111.340	118.897	9.803
	Average	106.826	110.125	3.299
	Min	101.978	101.780	-5.044
	Std Dev	1.487	3.725	3.623



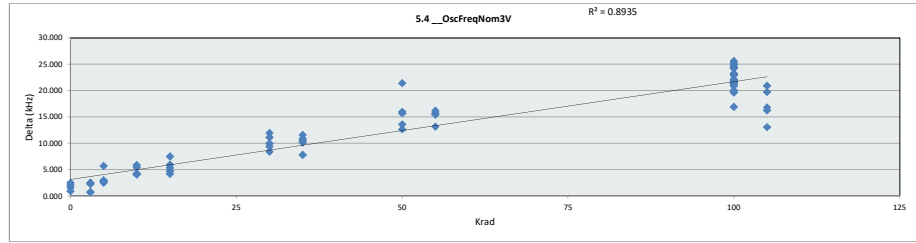
		11.0_OscFreqMin5V													
Test Site	Tester														
Test Number	Unit	kHz	kHz												
Max Limit	125	125													
Min Limit	80	80													
Krad	LL	Min	Average	Max	UL	0	5	10	15	30	35	50	55	100	105
	80.000	106.487	106.826	109.478	125.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000
	80.000	105.764	107.552	107.512	125.000	80.000	106.208	105.385	109.890	107.773	109.371	111.071	111.952	113.978	102.433
	80.000	107.742	109.020	109.478	125.000	80.000	109.372	109.272	111.468	110.797	110.242	113.227	113.864	118.897	104.107
	80.000	106.668	109.516	108.669	125.000	80.000	108.669	105.385	109.890	107.773	109.371	111.071	111.952	113.978	102.433



HDR TID Report  
POLARIS - TPS7H4001-SP

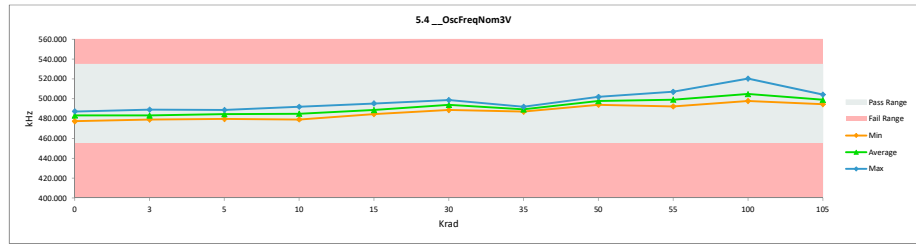
		5.4_OscFreqNom3V	
Test Site			
Tester			
Test Number			
Unit		kHz	kHz
Max Limit		535	535
Min Limit			

Krad	Serial #	PRE_HDR	POST_HDR	Delta
0	139	475.784	477.390	1.606
0	140	483.891	485.941	2.050
0	141	481.696	482.623	0.927
0	142	484.808	487.292	2.484
3	1	480.604	483.106	2.502
3	3	478.363	479.105	0.742
3	4	486.854	489.105	2.251
3	5	480.929	483.346	2.417
3	6	480.821	481.545	0.724
5	173	483.015	488.706	5.691
5	174	483.150	485.857	2.707
5	175	476.771	479.590	2.819
5	176	479.390	482.368	2.978
5	177	483.418	485.955	2.537
10	7	478.906	483.144	4.238
10	8	475.094	479.151	4.057
10	9	486.527	491.938	5.411
10	10	480.378	486.215	5.837
10	11	480.590	484.737	4.147
15	178	491.149	495.328	4.179
15	179	483.449	488.209	4.760
15	180	479.347	484.684	5.337
15	181	477.321	484.814	7.493
15	182	485.080	491.031	5.951
30	14	487.669	498.790	11.121
30	15	482.595	494.540	11.945
30	20	488.604	498.555	9.951
30	21	479.612	489.002	9.390
30	23	480.188	488.612	8.424
35	183	479.642	487.422	7.780
35	184	479.843	491.432	11.589
35	219	476.924	487.078	10.154
35	220	481.448	491.973	10.525
35	221	478.376	489.251	10.875
50	25	481.333	493.989	12.656
50	26	482.737	496.338	13.601
50	27	480.428	501.816	21.388
50	29	486.233	501.910	15.677
50	30	478.878	494.843	15.965
55	222	476.935	492.337	15.402
55	223	479.396	492.559	13.163
55	224	490.992	506.731	15.739
55	226	491.566	507.029	15.463
55	227	480.917	497.086	16.169
100	31	478.103	499.636	21.533
100	32	482.348	506.558	24.210
100	33	485.651	508.727	23.076
100	35	478.427	501.293	22.866
100	36	483.815	505.840	22.025
100	37	483.293	505.422	22.129
100	38	483.949	505.313	21.364
100	39	494.844	520.436	25.592
100	41	483.971	508.889	24.918
100	42	479.346	500.262	20.916
100	55	487.516	512.694	25.178
100	56	486.886	503.794	16.908
100	57	486.646	511.141	24.495
100	58	478.700	498.371	19.671
100	59	477.960	499.644	21.684
100	60	482.020	503.928	21.908
100	61	481.622	505.982	24.360
100	62	483.218	502.907	19.689
100	63	477.719	498.763	21.044
100	64	474.469	497.746	23.277
100	66	479.515	501.484	21.969
100	67	486.815	506.850	20.035
105	228	480.624	497.427	16.803
105	229	477.481	498.379	20.898
105	230	481.517	494.567	13.050
105	231	487.967	504.202	16.235
105	232	480.575	500.318	19.743
	Max	494.844	520.436	25.592
	Average	482.065	494.973	12.908
	Min	474.469	477.390	0.724
	Std Dev	4.146	9.523	8.067



		5.4_OscFreqNom3V	
Test Site			
Tester			
Test Number			
Max Limit		535	kHz
Min Limit		455	kHz

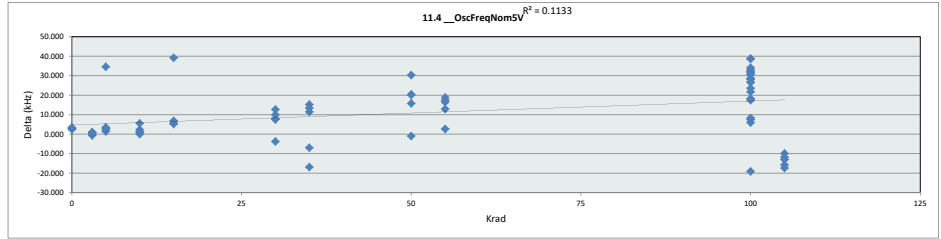
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	455.000	455.000	455.000	455.000	455.000	455.000	455.000	455.000	455.000	455.000	455.000
Min	477.390	479.105	479.590	479.151	484.684	488.612	487.078	493.989	492.397	497.746	494.567
Average	483.312	483.241	484.495	485.037	488.813	493.900	489.431	497.779	499.160	504.804	498.979
Max	487.292	489.105	488.706	491.938	495.328	498.790	491.973	501.910	507.029	520.436	504.202
UL	535.000	535.000	535.000	535.000	535.000	535.000	535.000	535.000	535.000	535.000	535.000



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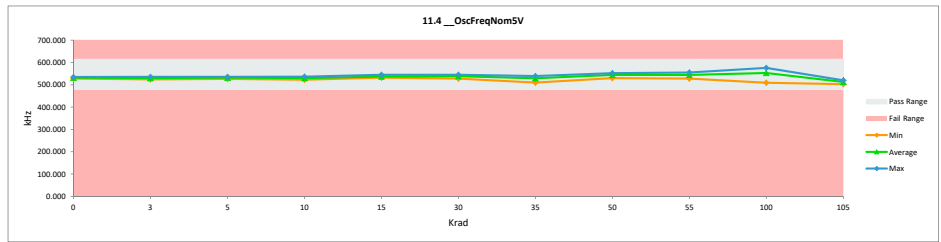
11.4_OscFreqNom5V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	615
Min Limit	475

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	524.940	527.714	2.774
0	140	531.486	534.096	2.610
0	141	529.089	531.739	2.650
0	142	531.361	534.808	3.447
3	1	528.101	528.980	0.879
3	3	524.739	524.110	-0.629
3	4	535.954	536.146	0.192
3	5	528.730	529.672	0.942
3	6	529.714	530.674	0.960
5	173	501.575	536.126	34.551
5	174	531.950	533.360	1.410
5	175	523.855	526.276	2.421
5	176	526.387	529.901	3.514
5	177	532.190	534.988	2.798
10	7	526.470	528.759	2.289
10	8	522.092	523.267	1.175
10	9	535.773	536.815	1.042
10	10	526.909	532.470	5.561
10	11	528.451	528.488	0.037
15	178	539.934	545.279	5.345
15	179	531.540	537.029	5.489
15	180	528.033	533.433	5.400
15	181	493.472	532.615	39.143
15	182	532.815	539.622	6.807
30	14	535.255	545.217	9.962
30	15	531.406	527.642	-3.764
30	20	535.979	543.575	7.596
30	21	527.414	535.316	7.902
30	23	529.240	541.921	12.681
35	183	526.689	509.795	-16.894
35	184	528.057	539.482	11.425
35	219	523.365	538.596	15.231
35	220	528.558	521.602	-6.956
35	221	524.803	538.181	13.378
50	25	531.057	530.137	-0.920
50	26	529.140	544.934	15.794
50	27	521.689	552.047	30.358
50	29	532.074	552.476	20.402
50	30	523.083	543.203	20.120
55	222	525.301	527.927	2.626
55	223	525.051	537.991	12.940
55	224	535.539	554.352	18.813
55	226	538.628	555.056	16.428
55	227	529.083	546.544	17.461
100	31	526.711	553.415	26.704
100	32	529.029	547.279	18.250
100	33	533.112	561.533	28.421
100	35	526.976	548.689	21.713
100	36	531.490	538.973	7.483
100	37	531.367	559.985	28.618
100	38	530.398	558.674	28.276
100	39	542.609	575.759	33.150
100	41	530.875	563.013	32.138
100	42	528.754	509.636	-19.118
100	55	530.738	569.379	38.641
100	56	533.790	539.741	5.951
100	57	531.291	563.311	32.020
100	58	526.249	543.669	17.420
100	59	523.662	555.484	31.822
100	60	529.372	559.821	30.449
100	61	527.572	561.669	34.097
100	62	530.323	556.909	26.586
100	63	525.360	533.684	8.324
100	64	511.469	550.280	38.811
100	66	524.133	547.712	23.579
100	67	530.467	561.307	30.840
105	228	529.739	514.039	-15.700
105	229	525.912	516.044	-9.868
105	230	528.784	511.443	-17.341
105	231	531.920	520.093	-11.827
105	232	515.640	502.620	-13.020
	Max	542.609	575.759	39.143
	Average	528.095	539.247	11.152
	Min	493.472	502.620	-19.118
	Std Dev	7.184	15.140	14.976



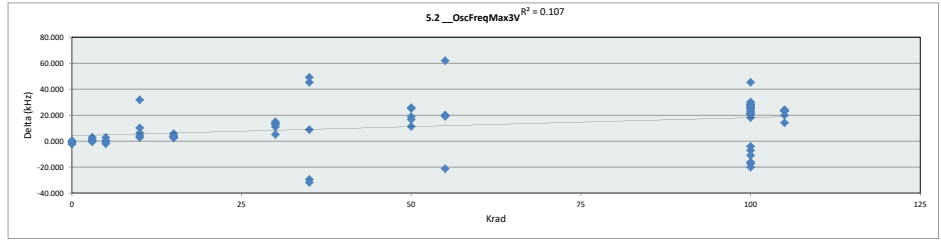
11.4_OscFreqNom5V	
Test Site	
Tester	
Test Number	
Max Limit	615 kHz
Min Limit	475 kHz

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000
Min	527.714	524.110	526.276	523.267	532.615	527.642	509.795	530.137	527.927	509.636	502.620
Average	532.089	529.916	532.130	529.960	537.596	538.734	529.531	544.559	544.374	552.724	512.848
Max	534.808	536.146	536.126	536.815	545.279	545.217	539.482	552.476	555.056	575.759	520.093
UL	615.000	615.000	615.000	615.000	615.000	615.000	615.000	615.000	615.000	615.000	615.000

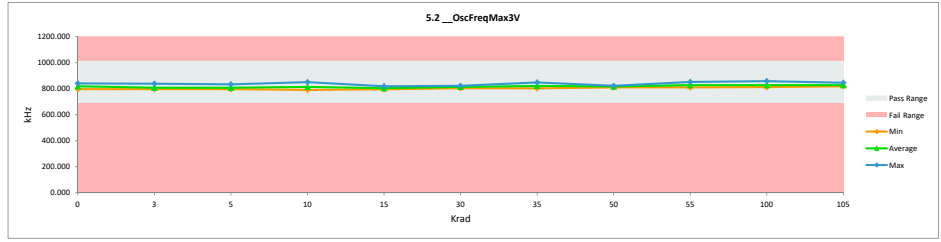


HDR TID Report  
POLARIS - TPS7H4001-SP

		5.2_OscFreqMax3V		
Test Site	Tester			
Test Number				
Unit	kHz	kHz		
Max Limit	1011	1011		
Min Limit	689	689		
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	835.054	835.430	0.376
0	140	842.432	841.081	-1.351
0	141	798.771	796.435	-2.336
0	142	801.357	801.387	0.030
3	1	795.070	798.012	2.942
3	3	837.563	838.857	1.294
3	4	809.345	810.230	0.885
3	5	798.376	798.064	-0.312
3	6	797.488	797.200	-0.288
5	173	805.591	808.366	2.775
5	174	798.176	796.235	-1.941
5	175	833.859	834.000	0.141
5	176	797.183	796.669	-0.514
5	177	803.112	803.355	0.243
10	7	793.099	797.163	4.064
10	8	788.254	791.137	2.883
10	9	840.493	850.684	10.191
10	10	797.498	829.259	31.761
10	11	795.472	801.746	6.274
15	178	816.320	818.829	2.509
15	179	798.187	802.243	4.056
15	180	792.554	795.669	3.115
15	181	791.775	797.550	5.775
15	182	801.960	805.455	3.495
30	14	807.217	818.156	10.939
30	15	800.800	814.275	13.475
30	20	808.388	823.224	14.836
30	21	795.262	808.017	12.755
30	23	799.341	804.561	5.220
35	183	793.867	802.725	8.858
35	184	803.361	848.615	45.254
35	219	833.493	804.059	-29.434
35	220	799.066	848.187	49.121
35	221	835.617	803.824	-31.793
50	25	798.853	810.124	11.271
50	26	796.839	822.544	25.705
50	27	797.202	822.325	25.123
50	29	803.078	821.914	18.836
50	30	797.968	814.563	16.595
55	222	790.761	810.480	19.719
55	223	790.637	852.597	61.960
55	224	813.164	833.223	20.059
55	226	810.256	829.361	19.105
55	227	831.763	810.633	-21.130
100	31	833.344	815.925	-17.419
100	32	801.594	826.128	24.534
100	33	826.397	846.772	20.375
100	35	794.196	819.914	25.718
100	36	808.145	829.742	21.597
100	37	830.484	858.804	28.320
100	38	804.392	849.699	45.307
100	39	813.760	842.338	28.578
100	41	797.354	825.155	27.801
100	42	838.020	817.918	-20.102
100	55	809.857	835.946	26.089
100	56	841.761	834.617	-7.144
100	57	806.108	836.301	30.193
100	58	793.480	814.486	21.006
100	59	787.150	814.201	27.051
100	60	802.989	821.081	18.092
100	61	833.293	822.285	-11.008
100	62	822.162	818.215	-3.947
100	63	790.280	813.252	22.972
100	64	786.100	813.745	27.645
100	66	795.867	817.378	21.511
100	67	842.150	826.112	-16.038
105	228	799.203	819.199	19.996
105	229	795.538	818.583	23.045
105	230	831.827	846.040	14.213
105	231	805.936	830.108	24.172
105	232	798.183	821.946	23.763
	Max	842.432	858.804	61.960
	Average	807.965	819.498	11.533
	Min	786.100	791.137	-31.793
	Std Dev	16.447	16.719	17.456

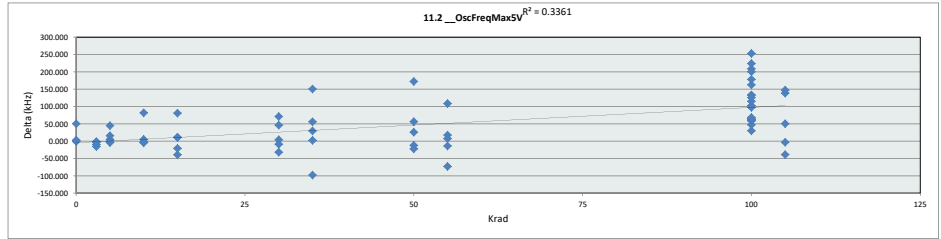


		5.2_OscFreqMax3V												
Test Site	Tester													
Test Number														
Max Limit	1011	kHz												
Min Limit	689	kHz												
Krad	LL	Min	Average	Max	UL	5	10	15	30	35	50	55	100	105
0	689.000	689.000	689.000	689.000	689.000	689.000	689.000	689.000	689.000	689.000	689.000	689.000	689.000	689.000
3	796.435	797.200	796.235	791.137	795.669	804.561	802.725	810.124	810.480	813.252	818.583	818.583	818.583	818.583
5	818.583	808.473	807.725	813.998	803.949	813.647	821.482	818.294	827.259	827.273	827.175	827.175	827.175	827.175
10	841.081	838.857	834.000	850.684	818.829	823.224	848.615	822.544	852.597	858.804	846.040	846.040	846.040	846.040
105	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000	1011.000

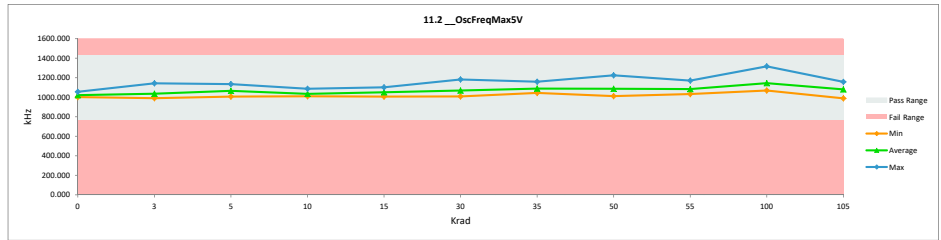


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		11.2_OscFreqMax5V		
Test Site	Tester			
Test Number	Unit	kHz	kHz	
Max Limit	1425	1425		
Min Limit	760	760		
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	1002.392	1001.487	-0.905
0	140	1009.686	1010.543	0.857
0	141	1013.530	1016.101	2.571
0	142	1005.282	1055.373	50.091
3	1	1025.750	1015.989	-9.761
3	3	1005.610	989.780	-15.830
3	4	1145.245	1142.636	-2.609
3	5	1016.665	1014.886	-1.779
3	6	1022.423	1020.131	-2.292
5	173	977.844	1022.554	44.710
5	174	1053.802	1059.038	5.236
5	175	1139.330	1135.291	-4.039
5	176	991.094	1006.778	15.684
5	177	1107.967	1107.398	-0.569
10	7	1012.971	1010.592	-2.379
10	8	1004.385	1086.214	81.829
10	9	1046.298	1041.509	-4.789
10	10	1016.018	1021.094	5.076
10	11	1017.103	1014.958	-2.145
15	178	1080.357	1041.066	-39.291
15	179	1020.226	1101.106	80.880
15	180	1048.297	1027.351	-20.946
15	181	994.642	1006.221	11.579
15	182	1065.875	1076.552	10.677
30	14	1107.471	1075.804	-31.667
30	15	1020.206	1024.210	4.004
30	20	1110.987	1181.862	70.875
30	21	1009.402	1055.642	46.240
30	23	1017.803	1008.957	-8.846
35	183	1008.798	1159.139	150.341
35	184	1015.044	1044.507	29.463
35	219	1050.072	1106.142	56.070
35	220	1148.240	1050.544	-97.696
35	221	1079.867	1082.142	2.275
50	25	1024.107	1012.084	-12.023
50	26	1053.013	1225.062	172.049
50	27	1023.393	1049.371	25.978
50	29	1106.038	1083.681	-22.357
50	30	1011.754	1068.153	56.399
55	222	1015.008	1032.675	17.667
55	223	1147.980	1074.840	-73.140
55	224	1061.293	1169.976	108.683
55	226	1061.964	1069.291	7.327
55	227	1088.559	1074.837	-13.722
100	31	1033.350	1097.748	64.398
100	32	1020.310	1080.898	60.588
100	33	1021.071	1274.049	252.978
100	35	1034.323	1094.477	60.154
100	36	1051.791	1081.792	30.001
100	37	1092.417	1316.475	224.058
100	38	1022.550	1069.414	46.864
100	39	1062.745	1225.388	162.643
100	41	1028.353	1161.479	133.126
100	42	1018.276	1227.023	208.747
100	55	1026.383	1085.168	58.785
100	56	1077.655	1138.416	60.761
100	57	1016.177	1216.659	200.482
100	58	1008.970	1187.299	178.329
100	59	1042.089	1144.683	102.594
100	60	1027.433	1090.386	62.953
100	61	1049.334	1112.225	62.891
100	62	1018.066	1115.498	97.432
100	63	1004.979	1120.040	115.061
100	64	991.151	1124.234	133.083
100	66	1009.827	1135.172	125.345
100	67	1018.609	1087.028	68.419
105	228	1021.298	1018.045	-3.253
105	229	1034.470	1084.678	50.208
105	230	1026.539	987.972	-38.567
105	231	1018.123	1156.733	138.610
105	232	1003.771	1150.990	147.219
	Max	1148.240	1316.475	252.978
	Average	1038.927	1088.134	49.207
	Min	977.844	987.972	-97.696
	Std Dev	39.739	70.843	72.193



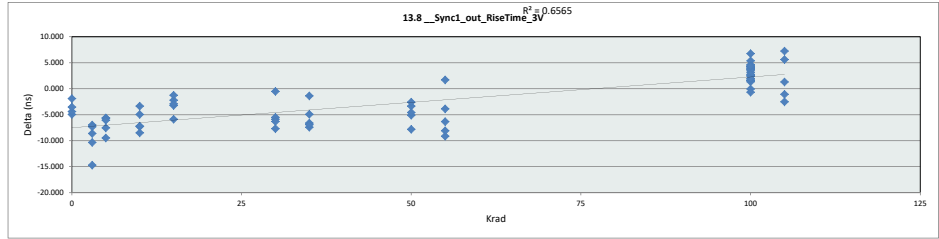
		11.2_OscFreqMax5V												
Test Site	Tester													
Test Number	Unit	kHz	kHz											
Max Limit	1425	1425												
Min Limit	760	760												
Krad	LL	Min	Average	Max	UL	5	10	15	30	35	50	55	100	105
0	760.000	1001.487	1020.876	1055.373	1425.000	760.000	989.780	1034.873	1086.214	1101.106	1181.862	1159.139	1225.062	1425.000
3	760.000	989.780	1036.684	1142.636	1425.000	760.000	1006.221	1050.459	1086.214	1101.106	1181.862	1159.139	1225.062	1425.000
5	760.000	1006.221	1066.212	1135.291	1425.000	760.000	1008.957	1069.295	1086.214	1101.106	1181.862	1159.139	1225.062	1425.000
10	760.000	1008.957	1044.507	1101.106	1425.000	760.000	1044.507	1088.495	1087.670	1084.324	1144.798	1079.684	1156.733	1425.000
15	760.000	1044.507	1084.324	1144.798	1425.000	760.000	1084.324	1114.798	1079.684	1156.733	1425.000	1425.000	1425.000	1425.000
30	760.000	1084.324	1144.798	1156.733	1425.000	760.000	1156.733	1425.000	1425.000	1425.000	1425.000	1425.000	1425.000	1425.000



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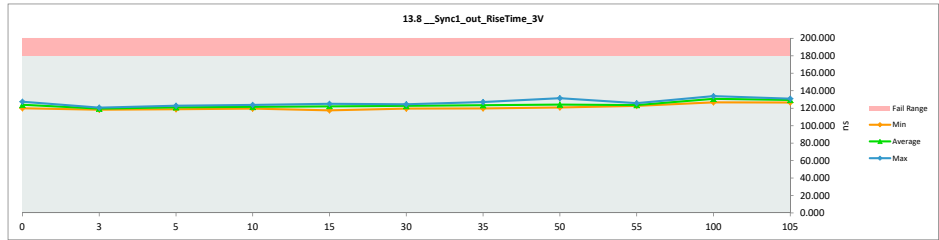
13.8_Sync1_out_RiseTime_3V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	180
Min Limit	180

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	130.666	125.719	-4.947
0	140	124.228	119.827	-4.401
0	141	124.898	122.993	-1.905
0	142	131.026	127.489	-3.537
3	1	128.341	119.717	-8.624
3	3	132.890	118.193	-14.697
3	4	126.513	119.533	-6.980
3	5	127.907	120.580	-7.327
3	6	129.654	119.314	-10.340
5	173	132.226	122.759	-9.467
5	174	124.467	118.820	-5.647
5	175	127.836	122.204	-5.632
5	176	128.651	121.107	-7.544
5	177	126.664	120.611	-6.053
10	7	131.012	123.725	-7.287
10	8	122.964	119.618	-3.346
10	9	128.093	119.585	-8.508
10	10	125.826	120.878	-4.948
10	11	130.205	122.999	-7.206
15	178	124.264	121.046	-3.218
15	179	127.180	124.976	-2.204
15	180	123.402	117.519	-5.883
15	181	127.632	124.709	-2.923
15	182	125.295	124.048	-1.247
30	14	125.414	119.524	-5.890
30	15	130.287	122.607	-7.680
30	20	129.357	123.838	-5.519
30	21	128.210	121.898	-6.312
30	23	124.940	124.406	-0.534
35	183	125.533	124.154	-1.379
35	184	129.681	122.275	-7.406
35	219	126.265	119.659	-6.606
35	220	128.423	123.505	-4.918
35	221	133.946	127.009	-6.937
50	25	128.710	123.614	-5.096
50	26	125.894	122.554	-3.340
50	27	128.566	120.744	-7.822
50	29	125.134	122.555	-2.579
50	30	136.092	131.517	-4.575
55	222	129.117	122.788	-6.329
55	223	132.595	123.466	-9.129
55	224	126.495	122.615	-3.880
55	226	131.017	122.938	-8.079
55	227	124.123	125.829	1.706
100	31	131.439	131.383	-0.056
100	32	129.073	132.252	3.179
100	33	125.806	130.153	4.347
100	35	127.945	129.534	1.589
100	36	123.395	130.148	6.753
100	37	125.833	128.223	2.390
100	38	131.448	130.783	-0.665
100	39	128.006	131.564	3.558
100	41	128.625	132.498	3.873
100	42	130.834	132.432	1.598
100	55	122.389	126.666	4.277
100	56	128.508	131.085	2.577
100	57	130.216	131.541	1.325
100	58	127.259	131.877	4.618
100	59	124.918	130.262	5.344
100	60	125.104	129.225	4.121
100	61	125.553	129.214	3.661
100	62	124.972	127.730	2.758
100	63	126.196	130.460	4.264
100	64	128.088	129.768	1.680
100	66	129.557	133.918	4.361
100	67	131.473	133.447	1.974
105	228	129.082	126.569	-2.513
105	229	125.384	130.989	5.605
105	230	128.663	129.950	1.287
105	231	130.143	129.058	-1.085
105	232	123.047	130.282	7.235
Max		136.092	133.918	7.235
Average		127.811	125.443	-2.368
Min		122.389	117.519	-14.697
Std Dev		2.864	4.594	4.951



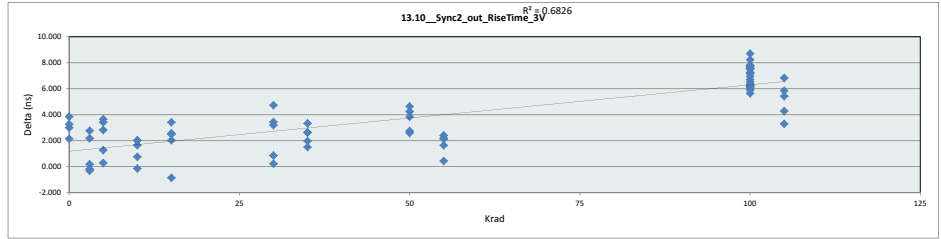
13.8_Sync1_out_RiseTime_3V	
Test Site	
Tester	
Test Number	
Max Limit	180 ns
Min Limit	ns

Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	119.827	118.193	118.820	119.585	117.519	119.524	119.659	120.744	122.615	126.666	126.569
Average	124.007	119.467	121.100	121.361	122.460	122.455	123.320	124.197	123.527	130.644	129.370
Max	127.489	120.580	122.759	123.725	124.976	124.406	127.009	131.517	125.829	133.918	130.989
UL	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000

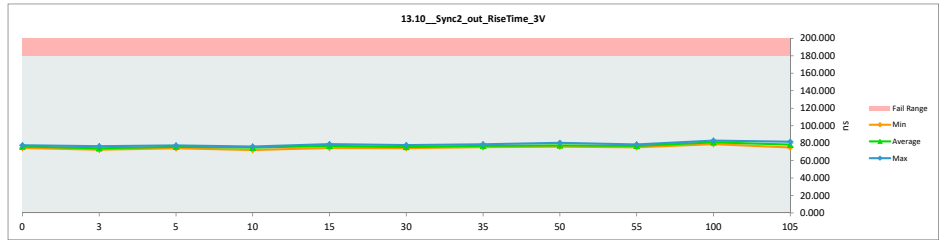


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13.10_Sync2_out_RiseTime_3V				
Test Site				
Tester				
Test Number				
Unit	ns	ns		
Max Limit	180			
Min Limit		180		
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	73.831	77.680	3.849
0	140	71.962	75.230	3.268
0	141	72.361	74.510	2.149
0	142	74.313	77.304	2.991
3	1	74.206	74.398	0.192
3	3	73.027	72.845	-0.182
3	4	72.803	72.487	-0.316
3	5	71.979	74.168	2.189
3	6	73.646	76.409	2.763
5	173	73.793	74.076	0.283
5	174	73.907	75.182	1.275
5	175	73.650	76.476	2.826
5	176	71.796	75.441	3.645
5	177	74.044	77.462	3.418
10	7	75.098	74.960	-0.138
10	8	71.303	72.057	0.754
10	9	74.381	76.033	1.652
10	10	73.371	75.389	2.018
10	11	73.452	75.478	2.026
15	178	73.664	76.236	2.572
15	179	76.410	78.907	2.497
15	180	75.308	74.450	-0.858
15	181	73.410	76.829	3.419
15	182	75.743	77.782	2.039
30	14	73.369	74.223	0.854
30	15	74.758	74.984	0.226
30	20	74.372	77.816	3.444
30	21	71.230	74.423	3.193
30	23	71.997	76.734	4.737
35	183	76.047	78.676	2.629
35	184	72.984	75.625	2.641
35	219	73.841	75.346	1.505
35	220	74.327	76.296	1.969
35	221	74.594	77.926	3.332
50	25	74.194	76.784	2.590
50	26	72.565	76.811	4.246
50	27	73.206	75.952	2.746
50	29	73.122	76.955	3.833
50	30	75.625	80.265	4.640
55	222	76.738	78.381	1.643
55	223	74.835	75.272	0.437
55	224	73.125	75.314	2.189
55	226	74.556	76.958	2.402
55	227	76.401	78.531	2.130
100	31	74.783	81.132	6.349
100	32	72.766	80.288	7.522
100	33	74.331	80.230	5.899
100	35	73.332	80.052	6.720
100	36	73.181	78.826	5.645
100	37	74.955	81.487	6.532
100	38	73.224	80.477	7.253
100	39	73.560	79.747	6.187
100	41	72.401	79.996	7.595
100	42	73.372	80.525	7.153
100	55	73.841	81.374	7.533
100	56	75.214	81.284	6.070
100	57	72.022	78.973	6.951
100	58	73.591	81.383	7.792
100	59	74.800	82.478	7.678
100	60	71.955	80.658	8.703
100	61	73.056	80.857	7.801
100	62	73.363	80.925	7.562
100	63	74.533	80.691	6.158
100	64	75.321	81.576	6.255
100	66	76.514	82.820	6.306
100	67	73.999	82.224	8.225
105	228	71.766	75.053	3.287
105	229	74.486	78.761	4.275
105	230	76.112	81.536	5.424
105	231	72.350	79.181	6.831
105	232	70.992	76.837	5.845
	Max	76.738	82.820	8.703
	Average	73.791	77.668	3.877
	Min	70.992	72.057	-0.858
	Std Dev	1.337	2.714	2.544



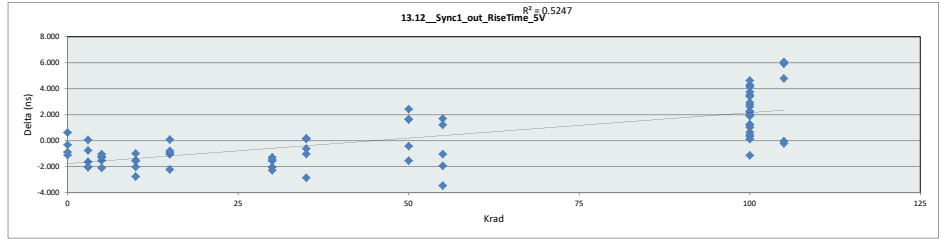
13.10_Sync2_out_RiseTime											
Test Site											
Tester											
Test Number											
Max Limit	180	ns									
Min Limit		ns									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	74.510	72.487	74.076	72.057	74.450	74.223	75.346	75.952	75.272	78.826	75.053
Average	76.181	74.061	75.727	74.783	76.841	75.636	76.774	77.353	76.891	80.818	78.274
Max	77.680	76.409	77.462	76.033	78.907	77.816	78.676	80.265	78.531	82.820	81.536
UL	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000



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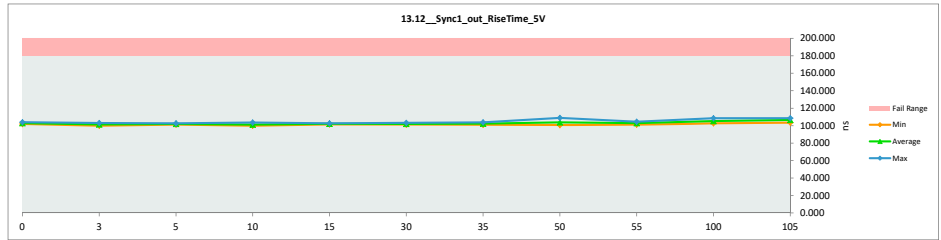
13.12_Sync1_out_RiseTime_5V		
Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	180	180
Min Limit		

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	103.750	102.639	-1.111
0	140	102.206	102.839	0.633
0	141	102.267	101.943	-0.324
0	142	104.896	104.027	-0.869
3	1	102.237	100.608	-1.629
3	3	103.799	103.048	-0.751
3	4	103.348	101.321	-2.027
3	5	102.028	100.013	-2.015
3	6	102.258	102.318	0.060
5	173	104.495	102.401	-2.094
5	174	103.193	101.668	-1.525
5	175	104.046	102.754	-1.292
5	176	102.383	101.158	-1.225
5	177	102.939	101.910	-1.029
10	7	104.671	103.684	-0.987
10	8	101.978	99.954	-2.024
10	9	103.346	100.588	-2.758
10	10	102.177	100.614	-1.563
10	11	103.124	101.604	-1.520
15	178	103.103	102.149	-0.954
15	179	103.812	102.768	-1.044
15	180	101.380	101.465	0.085
15	181	104.873	102.661	-2.212
15	182	102.894	102.108	-0.786
30	14	103.605	101.577	-2.028
30	15	102.474	101.193	-1.281
30	20	103.989	101.707	-2.282
30	21	103.227	101.678	-1.549
30	23	104.745	103.276	-1.469
35	183	103.862	101.009	-2.853
35	184	103.662	103.042	-0.620
35	219	101.969	102.102	0.133
35	220	102.789	101.767	-1.022
35	221	103.601	103.786	0.185
50	25	102.362	104.216	1.654
50	26	102.431	102.015	-0.416
50	27	101.822	103.454	1.632
50	29	102.210	100.670	-1.540
50	30	106.517	108.938	2.421
55	222	102.806	101.772	-1.034
55	223	104.907	102.969	-1.938
55	224	104.651	101.189	-3.462
55	226	102.823	104.522	1.699
55	227	102.420	103.643	1.223
100	31	102.652	106.158	3.506
100	32	103.778	105.759	1.981
100	33	103.117	105.912	2.795
100	35	102.234	104.856	2.622
100	36	102.324	106.078	3.754
100	37	102.224	104.122	1.898
100	38	102.676	106.074	3.398
100	39	103.434	106.380	2.946
100	41	103.411	107.547	4.136
100	42	102.728	107.018	4.290
100	55	101.397	102.620	1.223
100	56	104.587	106.612	2.025
100	57	104.090	105.343	1.253
100	58	104.947	103.818	-1.129
100	59	103.365	103.711	0.346
100	60	102.434	104.700	2.266
100	61	102.094	104.316	2.222
100	62	102.269	103.293	1.024
100	63	103.514	104.171	0.657
100	64	103.974	104.428	0.454
100	66	103.967	108.601	4.634
100	67	103.053	103.172	0.119
105	228	103.812	103.777	-0.035
105	229	103.676	103.465	-0.211
105	230	103.646	108.436	4.790
105	231	102.336	108.253	5.917
105	232	102.543	108.606	6.063
	Max	106.517	108.938	6.063
	Average	103.191	103.493	0.302
	Min	101.380	99.954	-3.462
	Std Dev	0.992	2.237	2.218



13.12_Sync1_out_RiseTime		
Test Site		
Tester		
Test Number		
Max Limit	180	ns
Min Limit		ns

Unit	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	101.943	100.013	101.158	99.954	101.465	101.193	101.009	100.670	101.189	102.620	103.465
Average	102.862	101.462	101.978	101.289	102.230	101.886	102.341	103.859	102.819	105.213	106.507
Max	104.027	103.048	102.754	103.684	102.768	103.276	103.786	108.938	104.522	108.601	108.606
UL	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000

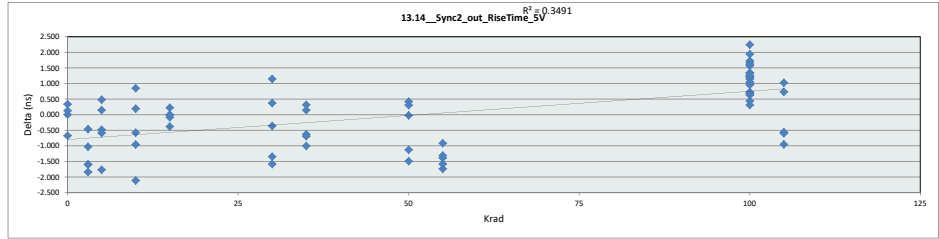




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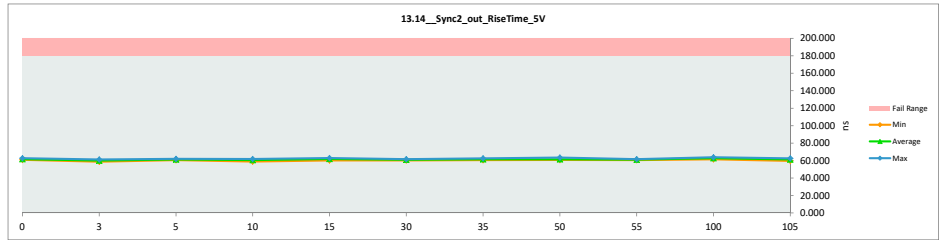
13.14_Sync2_out_RiseTime_5V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	180
Min Limit	180

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	62.176	62.301	0.125
0	140	61.639	60.967	-0.672
0	141	60.913	60.914	0.001
0	142	62.358	62.692	0.334
3	1	60.722	60.257	-0.465
3	3	61.554	59.714	-1.840
3	4	60.401	58.801	-1.600
3	5	61.125	59.531	-1.594
3	6	62.287	61.261	-1.026
5	173	60.778	60.922	0.144
5	174	62.261	60.492	-1.769
5	175	61.878	61.392	-0.486
5	176	60.695	61.176	0.481
5	177	62.609	62.024	-0.585
10	7	61.007	60.048	-0.959
10	8	60.930	58.819	-2.111
10	9	62.325	61.746	-0.579
10	10	60.376	61.227	0.851
10	11	60.708	60.903	0.195
15	178	61.640	61.636	-0.004
15	179	63.323	62.942	-0.381
15	180	60.260	60.174	-0.086
15	181	61.794	62.018	0.224
15	182	62.425	62.419	-0.006
30	14	60.388	60.761	0.373
30	15	60.849	60.485	-0.363
30	20	62.988	61.641	-1.347
30	21	61.708	60.125	-1.583
30	23	60.400	61.548	1.148
35	183	63.282	62.652	-0.630
35	184	61.628	60.625	-1.003
35	219	60.556	60.870	0.314
35	220	61.755	61.064	-0.691
35	221	62.131	62.279	0.148
50	25	62.225	60.733	-1.492
50	26	61.819	60.692	-1.127
50	27	60.420	60.836	0.416
50	29	61.421	61.727	0.306
50	30	63.434	63.409	-0.025
55	222	62.644	61.726	-0.918
55	223	62.057	60.744	-1.313
55	224	62.219	60.484	-1.735
55	226	62.397	60.812	-1.585
55	227	63.049	61.661	-1.388
100	31	61.745	62.891	1.146
100	32	61.799	62.238	0.439
100	33	61.927	62.554	0.627
100	35	60.933	61.661	0.728
100	36	60.235	61.479	1.244
100	37	61.419	63.360	1.941
100	38	61.292	62.959	1.667
100	39	61.869	62.566	0.697
100	41	61.103	62.094	0.991
100	42	61.466	63.191	1.725
100	55	60.906	62.515	1.609
100	56	61.967	63.158	1.191
100	57	61.023	61.691	0.668
100	58	61.886	62.934	1.048
100	59	61.623	62.870	1.247
100	60	61.320	62.667	1.347
100	61	61.806	62.761	0.955
100	62	62.354	62.662	0.308
100	63	61.603	62.928	1.325
100	64	61.165	63.407	2.242
100	66	61.981	63.225	1.244
100	67	62.302	63.867	1.565
105	228	60.249	59.688	-0.561
105	229	62.203	61.251	-0.952
105	230	62.933	62.337	-0.596
105	231	61.622	62.645	1.023
105	232	59.610	60.339	0.729
	Max	63.434	63.867	2.242
	Average	61.604	61.822	0.018
	Min	59.610	58.801	-2.111
	Std Dev	0.838	1.165	1.079



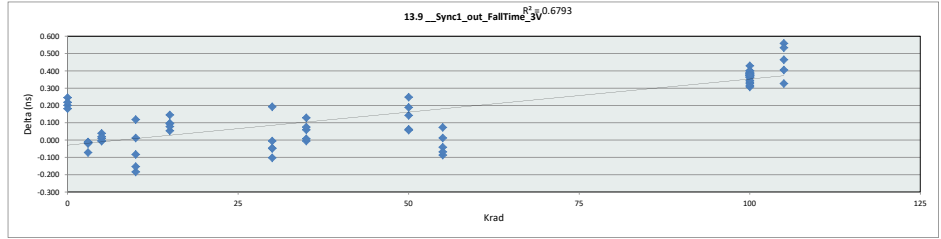
13.14_Sync2_out_RiseTime	
Test Site	
Tester	
Test Number	
Max Limit	180
Min Limit	ns

Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	60.914	58.801	60.492	58.819	60.174	60.125	60.625	60.692	60.484	61.479	59.688
Average	61.719	59.913	61.201	60.549	61.838	60.912	61.498	61.479	61.085	62.713	61.252
Max	62.692	61.261	62.024	61.746	62.942	61.641	62.652	63.409	61.726	63.867	62.645
UL	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000

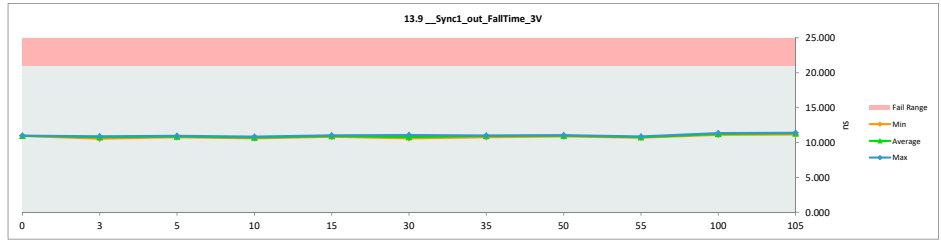


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13.9_Sync1_out_FallTime_3V				
Test Site				
Tester				
Test Number				
Unit	ns	ns		
Max Limit	21	21		
Min Limit				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	10.709	10.954	0.245
0	140	10.767	10.968	0.201
0	141	10.807	10.988	0.181
0	142	10.726	10.944	0.218
3	1	10.822	10.811	-0.011
3	3	10.835	10.563	-0.072
3	4	10.828	10.815	-0.013
3	5	10.714	10.694	-0.020
3	6	10.908	10.895	-0.013
5	173	10.839	10.834	-0.005
5	174	10.770	10.766	-0.004
5	175	10.770	10.780	0.010
5	176	10.884	10.923	0.039
5	177	10.943	10.963	0.020
10	7	10.845	10.661	-0.184
10	8	10.851	10.698	-0.153
10	9	10.678	10.595	-0.083
10	10	10.682	10.801	0.119
10	11	10.835	10.847	0.012
15	178	10.814	10.868	0.054
15	179	10.818	10.915	0.097
15	180	10.875	10.970	0.095
15	181	10.746	10.824	0.078
15	182	10.881	11.026	0.145
30	14	10.846	10.599	-0.047
30	15	10.832	10.730	-0.102
30	20	10.810	10.762	-0.048
30	21	10.754	10.749	-0.005
30	23	10.895	11.088	0.193
35	183	10.994	10.989	-0.005
35	184	10.744	10.752	0.008
35	219	10.948	11.007	0.059
35	220	10.899	10.974	0.075
35	221	10.862	10.991	0.129
50	25	10.811	10.873	0.062
50	26	10.967	11.025	0.058
50	27	10.827	10.970	0.143
50	29	10.859	11.048	0.189
50	30	10.810	11.058	0.248
55	222	10.774	10.733	-0.041
55	223	10.789	10.702	-0.087
55	224	10.786	10.718	-0.068
55	226	10.753	10.765	0.012
55	227	10.800	10.873	0.073
100	31	10.870	11.205	0.335
100	32	10.922	11.229	0.307
100	33	10.735	11.104	0.369
100	35	10.894	11.208	0.314
100	36	10.891	11.217	0.326
100	37	10.934	11.310	0.376
100	38	10.742	11.116	0.374
100	39	10.899	11.270	0.371
100	41	10.911	11.295	0.384
100	42	10.772	11.201	0.429
100	55	10.836	11.237	0.401
100	56	10.914	11.277	0.363
100	57	10.775	11.157	0.382
100	58	10.734	11.109	0.375
100	59	10.882	11.243	0.361
100	60	10.898	11.283	0.385
100	61	10.777	11.166	0.389
100	62	10.939	11.284	0.345
100	63	10.961	11.351	0.390
100	64	10.949	11.349	0.400
100	66	10.822	11.202	0.380
100	67	10.853	11.227	0.374
105	228	10.822	11.149	0.327
105	229	10.874	11.279	0.405
105	230	10.906	11.370	0.464
105	231	10.803	11.362	0.559
105	232	10.878	11.412	0.534
Max		10.994	11.412	0.559
Average		10.830	11.002	0.172
Min		10.635	10.563	-0.184
Std Dev		0.080	0.225	0.191

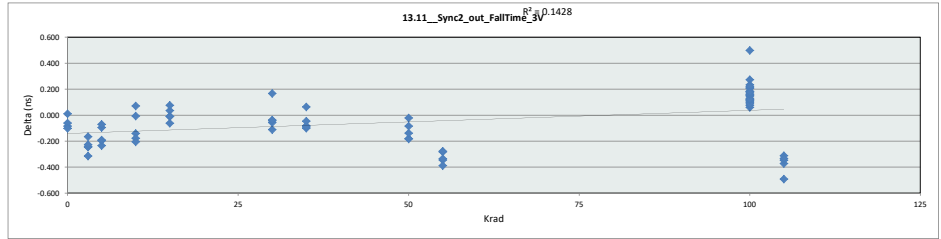


13.9_Sync1_out_FallTime_3										
Test Site										
Tester										
Test Number										
Max Limit	21	ns								
Min Limit	0	ns								
LL										
Min	10.944	10.563	10.766	10.595	10.824	10.599	10.752	10.873	10.702	11.104
Average	10.964	10.756	10.853	10.720	10.921	10.786	10.943	10.995	10.758	11.229
Max	10.988	10.895	10.963	10.847	11.026	11.088	11.007	11.058	10.873	11.351
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000

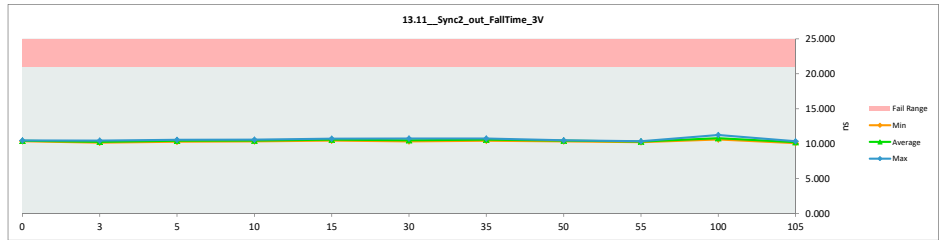


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13.11_Sync2_out_FallTime_3V				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	10.379	10.389	0.010
0	140	10.510	10.426	-0.084
0	141	10.507	10.446	-0.061
0	142	10.448	10.347	-0.101
3	1	10.529	10.287	-0.242
3	3	10.458	10.143	-0.315
3	4	10.464	10.219	-0.245
3	5	10.392	10.165	-0.227
3	6	10.595	10.430	-0.165
5	173	10.531	10.335	-0.196
5	174	10.507	10.272	-0.235
5	175	10.617	10.426	-0.191
5	176	10.542	10.447	-0.095
5	177	10.623	10.552	-0.071
10	7	10.465	10.324	-0.141
10	8	10.613	10.435	-0.178
10	9	10.548	10.343	-0.205
10	10	10.416	10.487	0.071
10	11	10.579	10.572	-0.007
15	178	10.531	10.469	-0.062
15	179	10.612	10.647	0.035
15	180	10.531	10.607	0.076
15	181	10.443	10.432	-0.011
15	182	10.715	10.706	-0.009
30	14	10.522	10.411	-0.111
30	15	10.539	10.497	-0.042
30	20	10.468	10.411	-0.057
30	21	10.366	10.328	-0.038
30	23	10.559	10.726	0.167
35	183	10.672	10.590	-0.082
35	184	10.511	10.411	-0.100
35	219	10.585	10.494	-0.091
35	220	10.691	10.645	-0.046
35	221	10.661	10.725	0.064
50	25	10.495	10.313	-0.182
50	26	10.638	10.456	-0.182
50	27	10.592	10.453	-0.139
50	29	10.565	10.481	-0.084
50	30	10.493	10.471	-0.022
55	222	10.685	10.340	-0.345
55	223	10.638	10.250	-0.388
55	224	10.544	10.209	-0.335
55	226	10.596	10.313	-0.283
55	227	10.592	10.314	-0.278
100	31	10.595	10.655	0.060
100	32	10.563	10.671	0.108
100	33	10.554	10.705	0.151
100	35	10.484	10.582	0.098
100	36	10.617	10.732	0.115
100	37	10.669	10.816	0.147
100	38	10.693	10.823	0.130
100	39	10.670	10.943	0.273
100	41	10.726	11.224	0.498
100	42	10.562	10.743	0.181
100	55	10.568	10.773	0.205
100	56	10.705	10.779	0.074
100	57	10.580	10.667	0.087
100	58	10.499	10.617	0.118
100	59	10.609	10.820	0.211
100	60	10.600	10.833	0.233
100	61	10.469	10.631	0.162
100	62	10.593	10.777	0.184
100	63	10.611	10.832	0.221
100	64	10.552	10.674	0.122
100	66	10.658	10.819	0.161
100	67	10.657	10.835	0.178
105	228	10.557	10.065	-0.492
105	229	10.535	10.163	-0.372
105	230	10.534	10.188	-0.346
105	231	10.569	10.257	-0.312
105	232	10.668	10.335	-0.333
	Max	10.726	11.224	0.498
	Average	10.564	10.517	-0.047
	Min	10.366	10.065	-0.492
	Std Dev	0.082	0.226	0.194

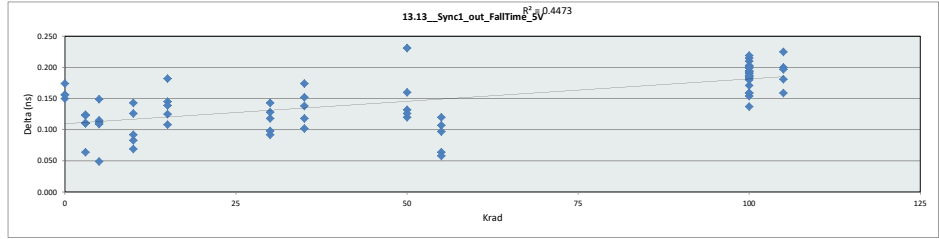


13.11_Sync2_out_FallTime_3V											
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	10.347	10.143	10.272	10.324	10.432	10.328	10.411	10.313	10.209	10.582	10.065
Average	10.402	10.249	10.406	10.432	10.572	10.475	10.573	10.435	10.285	10.771	10.202
Max	10.446	10.430	10.552	10.572	10.706	10.726	10.725	10.481	10.340	11.224	10.335
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000

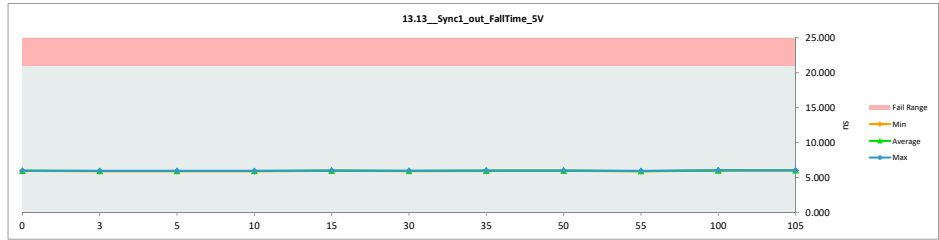


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13.13_Sync1_out_FallTime_5V				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	5.816	5.972	0.156
0	140	5.807	5.957	0.150
0	141	5.815	5.971	0.156
0	142	5.776	5.950	0.174
3	1	5.823	5.934	0.111
3	3	5.811	5.875	0.064
3	4	5.810	5.920	0.110
3	5	5.797	5.921	0.124
3	6	5.818	5.941	0.123
5	173	5.824	5.939	0.115
5	174	5.820	5.932	0.112
5	175	5.837	5.886	0.049
5	176	5.843	5.952	0.109
5	177	5.808	5.957	0.149
10	7	5.838	5.921	0.083
10	8	5.828	5.920	0.092
10	9	5.810	5.879	0.069
10	10	5.782	5.925	0.143
10	11	5.820	5.946	0.126
15	178	5.806	5.988	0.182
15	179	5.805	5.950	0.145
15	180	5.843	5.982	0.139
15	181	5.818	5.943	0.125
15	182	5.840	5.948	0.108
30	14	5.777	5.920	0.143
30	15	5.812	5.910	0.098
30	20	5.826	5.918	0.092
30	21	5.801	5.919	0.118
30	23	5.842	5.970	0.128
35	183	5.865	5.967	0.102
35	184	5.795	5.933	0.138
35	219	5.819	5.993	0.174
35	220	5.837	5.955	0.118
35	221	5.802	5.954	0.152
50	25	5.830	5.950	0.120
50	26	5.836	5.968	0.132
50	27	5.802	5.962	0.160
50	29	5.768	5.999	0.231
50	30	5.834	5.960	0.126
55	222	5.844	5.908	0.064
55	223	5.819	5.877	0.058
55	224	5.801	5.908	0.107
55	226	5.807	5.904	0.097
55	227	5.830	5.950	0.120
100	31	5.813	5.999	0.186
100	32	5.826	5.963	0.137
100	33	5.771	5.961	0.190
100	35	5.826	6.009	0.183
100	36	5.817	5.988	0.171
100	37	5.854	6.008	0.154
100	38	5.805	5.964	0.159
100	39	5.817	6.004	0.187
100	41	5.839	6.033	0.194
100	42	5.814	6.005	0.191
100	55	5.813	6.023	0.210
100	56	5.839	6.019	0.180
100	57	5.797	5.990	0.193
100	58	5.795	5.997	0.202
100	59	5.822	6.023	0.201
100	60	5.824	5.983	0.159
100	61	5.800	5.994	0.194
100	62	5.820	6.035	0.215
100	63	5.834	6.037	0.203
100	64	5.819	6.018	0.199
100	66	5.783	6.002	0.219
100	67	5.796	5.981	0.185
105	228	5.787	6.012	0.225
105	229	5.834	5.993	0.159
105	230	5.817	6.017	0.200
105	231	5.806	6.003	0.197
105	232	5.824	6.005	0.181
	Max	5.865	6.037	0.231
	Average	5.816	5.963	0.147
	Min	5.768	5.875	0.049
	Std Dev	0.020	0.041	0.044

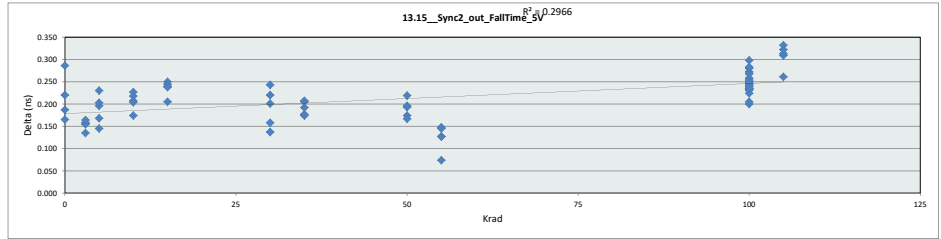


13.13_Sync1_out_FallTime_5V											
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	5.950	5.875	5.886	5.879	5.943	5.910	5.933	5.950	5.877	5.961	5.993
Average	5.963	5.918	5.933	5.918	5.962	5.927	5.960	5.968	5.909	6.002	6.006
Max	5.972	5.941	5.957	5.946	5.988	5.970	5.993	5.999	5.950	6.037	6.017
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000

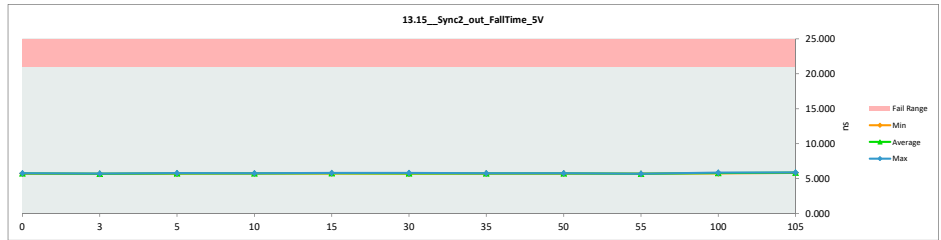


HDR TID Report  
POLARIS - TPS7H4001-SP

13.15_Sync2_out_FallTime_5V				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	5.482	5.768	0.286
0	140	5.512	5.732	0.220
0	141	5.515	5.702	0.187
0	142	5.540	5.705	0.165
3	1	5.536	5.691	0.155
3	3	5.513	5.671	0.158
3	4	5.502	5.657	0.155
3	5	5.525	5.660	0.135
3	6	5.558	5.722	0.164
5	173	5.550	5.695	0.145
5	174	5.528	5.724	0.196
5	175	5.528	5.731	0.203
5	176	5.541	5.709	0.168
5	177	5.550	5.780	0.230
10	7	5.514	5.741	0.227
10	8	5.536	5.754	0.218
10	9	5.530	5.704	0.174
10	10	5.533	5.740	0.207
10	11	5.554	5.758	0.204
15	178	5.545	5.750	0.205
15	179	5.530	5.780	0.250
15	180	5.521	5.765	0.244
15	181	5.502	5.740	0.238
15	182	5.562	5.801	0.239
30	14	5.565	5.723	0.158
30	15	5.560	5.697	0.137
30	20	5.524	5.744	0.220
30	21	5.528	5.729	0.201
30	23	5.556	5.799	0.243
35	183	5.568	5.742	0.174
35	184	5.530	5.722	0.192
35	219	5.542	5.749	0.207
35	220	5.558	5.763	0.205
35	221	5.568	5.745	0.177
50	25	5.533	5.726	0.193
50	26	5.564	5.738	0.174
50	27	5.542	5.709	0.167
50	29	5.567	5.763	0.196
50	30	5.531	5.750	0.219
55	222	5.609	5.683	0.074
55	223	5.519	5.667	0.148
55	224	5.547	5.674	0.127
55	226	5.549	5.694	0.145
55	227	5.566	5.693	0.127
100	31	5.506	5.760	0.254
100	32	5.534	5.765	0.231
100	33	5.557	5.792	0.235
100	35	5.538	5.786	0.248
100	36	5.545	5.780	0.235
100	37	5.550	5.795	0.245
100	38	5.564	5.799	0.235
100	39	5.560	5.795	0.235
100	41	5.569	5.849	0.280
100	42	5.555	5.788	0.233
100	55	5.526	5.766	0.240
100	56	5.561	5.785	0.224
100	57	5.541	5.741	0.200
100	58	5.507	5.779	0.272
100	59	5.567	5.809	0.242
100	60	5.533	5.801	0.268
100	61	5.520	5.778	0.258
100	62	5.544	5.795	0.251
100	63	5.512	5.795	0.283
100	64	5.550	5.755	0.205
100	66	5.560	5.795	0.235
100	67	5.527	5.825	0.298
105	228	5.550	5.811	0.261
105	229	5.540	5.849	0.309
105	230	5.535	5.848	0.313
105	231	5.548	5.870	0.322
105	232	5.544	5.876	0.332
	Max	5.609	5.876	0.332
	Average	5.541	5.795	0.254
	Min	5.482	5.657	0.174
	Std Dev	0.021	0.050	0.051

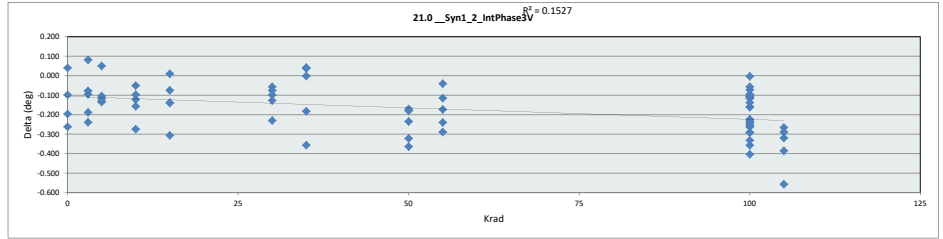


13.15_Sync2_out_FallTime_5V											
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	5.702	5.657	5.695	5.704	5.740	5.697	5.722	5.709	5.667	5.741	5.811
Average	5.727	5.680	5.728	5.739	5.767	5.738	5.744	5.737	5.682	5.788	5.851
Max	5.768	5.722	5.780	5.758	5.801	5.799	5.763	5.763	5.694	5.849	5.876
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000

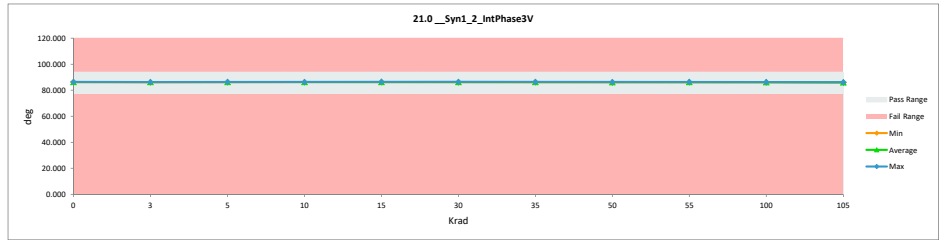


HDR TID Report  
POLARIS - TPS7H4001-SP

21.0_Syn1_2_IntPhase3V				
Test Site				
Tester				
Test Number				
Unit	deg	deg		
Max Limit	94	94		
Min Limit	77	77		
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	86.490	86.391	-0.099
0	140	86.461	86.199	-0.262
0	141	86.456	86.260	-0.196
0	142	86.413	86.453	0.040
3	1	86.461	86.366	-0.095
3	3	86.326	86.138	-0.188
3	4	86.306	86.228	-0.078
3	5	86.248	86.329	0.081
3	6	86.493	86.254	-0.239
5	173	86.286	86.168	-0.118
5	174	86.342	86.210	-0.132
5	175	86.409	86.459	0.050
5	176	86.471	86.367	-0.104
5	177	86.328	86.193	-0.135
10	7	86.420	86.298	-0.122
10	8	86.506	86.232	-0.274
10	9	86.373	86.275	-0.098
10	10	86.433	86.382	-0.051
10	11	86.368	86.211	-0.157
15	178	86.564	86.258	-0.306
15	179	86.608	86.618	0.010
15	180	86.402	86.263	-0.139
15	181	86.386	86.311	-0.075
15	182	86.437	86.297	-0.140
30	14	86.380	86.323	-0.057
30	15	86.470	86.394	-0.076
30	20	86.531	86.432	-0.099
30	21	86.321	86.091	-0.230
30	23	86.272	86.145	-0.127
35	183	86.409	86.447	0.038
35	184	86.152	86.194	0.042
35	219	86.392	86.210	-0.182
35	220	86.454	86.452	-0.002
35	221	86.654	86.298	-0.356
50	25	86.481	86.159	-0.322
50	26	86.376	86.205	-0.171
50	27	86.456	86.276	-0.180
50	29	86.548	86.313	-0.235
50	30	86.371	86.007	-0.364
55	222	86.585	86.296	-0.289
55	223	86.460	86.220	-0.240
55	224	86.506	86.333	-0.173
55	226	86.409	86.368	-0.041
55	227	86.605	86.490	-0.115
100	31	86.454	86.382	-0.072
100	32	86.463	86.356	-0.107
100	33	86.506	86.263	-0.243
100	35	86.452	86.337	-0.115
100	36	86.536	86.273	-0.263
100	37	86.450	86.093	-0.357
100	38	86.458	86.204	-0.254
100	39	86.360	86.200	-0.160
100	41	86.455	86.164	-0.291
100	42	86.551	86.259	-0.292
100	55	86.233	86.176	-0.057
100	56	86.408	86.185	-0.223
100	57	86.474	86.241	-0.233
100	58	86.247	86.244	-0.003
100	59	86.354	86.247	-0.107
100	60	86.268	86.165	-0.103
100	61	86.374	86.258	-0.116
100	62	86.302	86.207	-0.095
100	63	86.344	86.183	-0.161
100	64	86.446	86.043	-0.403
100	66	86.364	86.226	-0.138
100	67	86.670	86.338	-0.332
105	228	86.468	86.202	-0.266
105	229	86.471	86.152	-0.319
105	230	86.524	86.235	-0.289
105	231	86.532	86.147	-0.385
105	232	86.496	85.939	-0.557
	Max	86.670	86.618	0.051
	Average	86.429	86.261	-0.168
	Min	86.152	85.939	-0.557
	Std Dev	0.100	0.115	0.124

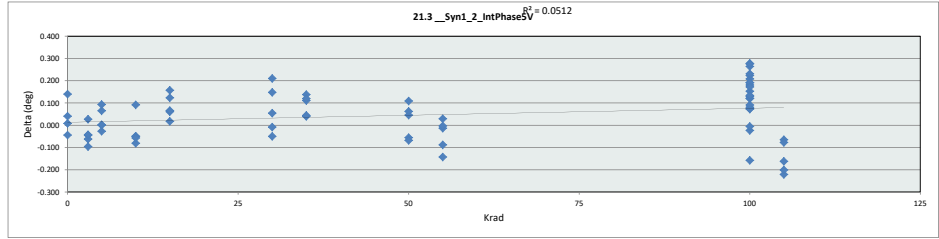


21.0_Syn1_2_IntPhase3V											
Test Site											
Tester											
Test Number											
Max Limit	94	deg									
Min Limit	77	deg									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	86.199	86.138	86.168	86.211	86.258	86.091	86.194	86.007	86.220	86.043	85.939
Average	86.326	86.263	86.279	86.280	86.349	86.277	86.320	86.192	86.341	86.229	86.135
Max	86.453	86.366	86.459	86.382	86.618	86.432	86.452	86.313	86.490	86.382	86.235
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000

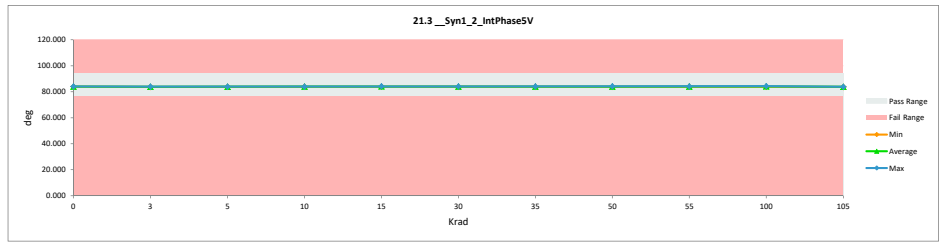


HDR TID Report  
POLARIS - TPS7H4001-SP

21.3_Syn1_2_IntPhase5V				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	84.029	83.985	-0.044
0	140	83.879	83.920	0.041
0	141	83.900	83.908	0.008
0	142	83.887	84.027	0.140
3	1	84.004	83.908	-0.096
3	3	83.879	83.817	-0.062
3	4	83.797	83.752	-0.045
3	5	83.867	83.824	-0.043
3	6	83.936	83.963	0.027
5	173	83.855	83.828	-0.027
5	174	83.819	83.884	0.065
5	175	83.949	83.950	0.001
5	176	83.909	83.911	0.002
5	177	83.758	83.851	0.093
10	7	83.959	83.878	-0.081
10	8	83.927	83.877	-0.050
10	9	83.919	83.870	-0.049
10	10	83.829	83.921	0.092
10	11	83.965	83.908	-0.057
15	178	83.879	83.897	0.018
15	179	84.082	84.239	0.157
15	180	83.990	84.051	0.061
15	181	83.863	83.986	0.123
15	182	83.930	83.996	0.066
30	14	83.869	84.079	0.210
30	15	83.978	83.928	-0.050
30	20	84.026	84.018	-0.008
30	21	83.831	83.885	0.054
30	23	83.853	84.001	0.148
35	183	83.867	83.978	0.111
35	184	83.702	83.840	0.138
35	219	83.940	84.060	0.120
35	220	83.983	84.023	0.040
35	221	84.061	84.105	0.044
50	25	83.982	83.926	-0.056
50	26	83.938	84.047	0.109
50	27	83.916	83.962	0.046
50	29	84.133	84.195	0.062
50	30	83.858	83.790	-0.068
55	222	84.023	83.935	-0.088
55	223	84.065	84.052	-0.013
55	224	83.940	83.937	-0.003
55	226	84.171	84.028	-0.143
55	227	84.050	84.079	0.029
100	31	83.890	84.043	0.153
100	32	83.997	84.071	0.074
100	33	83.917	84.125	0.208
100	35	84.064	84.041	-0.023
100	36	83.953	84.073	0.120
100	37	84.009	84.273	0.264
100	38	83.983	84.104	0.121
100	39	83.892	84.115	0.223
100	41	83.931	84.162	0.231
100	42	84.103	84.098	-0.005
100	55	83.913	84.042	0.129
100	56	83.930	84.208	0.278
100	57	83.976	83.818	-0.158
100	58	83.888	84.069	0.181
100	59	84.038	84.119	0.081
100	60	83.912	83.985	0.073
100	61	83.913	84.004	0.091
100	62	83.932	84.123	0.191
100	63	83.893	84.085	0.192
100	64	83.890	84.062	0.172
100	66	83.970	84.104	0.134
100	67	84.045	84.321	0.276
105	228	83.957	83.736	-0.221
105	229	83.823	83.758	-0.065
105	230	83.901	83.824	-0.077
105	231	84.045	83.844	-0.201
105	232	83.957	83.795	-0.162
	Max	84.171	84.321	0.276
	Average	83.940	83.986	0.047
	Min	83.702	83.736	-0.221
	Std Dev	0.086	0.128	0.114

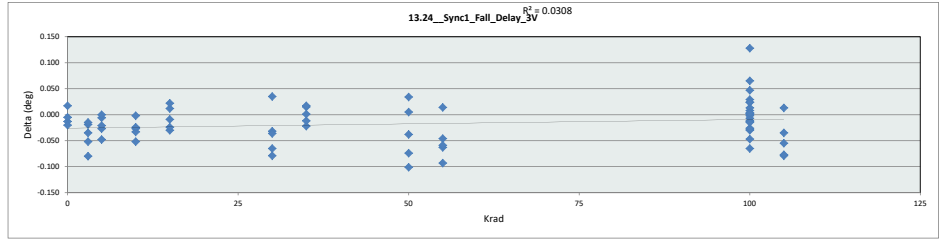


21.3_Syn1_2_IntPhase5V											
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	83.908	83.752	83.828	83.870	83.897	83.885	83.840	83.790	83.935	83.818	83.736
Average	83.960	83.853	83.885	83.891	84.034	83.982	84.001	83.984	84.006	84.093	83.791
Max	84.027	83.963	83.950	83.921	84.239	84.079	84.105	84.195	84.079	84.321	83.844
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000

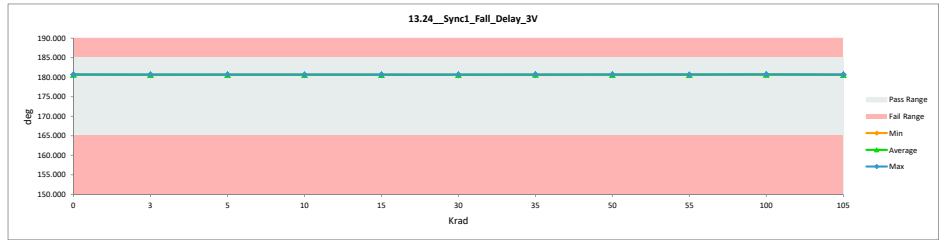


HDR TID Report  
POLARIS - TPS7H4001-SP

13.24_Sync1_Fall_Delay_3V				
Test Site				
Tester				
Test Number				
Unit	deg	deg		
Max Limit	185	185		
Min Limit	165	165		
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	180.727	180.714	-0.013
0	140	180.672	180.652	-0.020
0	141	180.700	180.695	-0.005
0	142	180.668	180.685	0.017
3	1	180.729	180.694	-0.035
3	3	180.611	180.559	-0.052
3	4	180.690	180.671	-0.019
3	5	180.661	180.646	-0.015
3	6	180.717	180.637	-0.080
5	173	180.679	180.652	-0.027
5	174	180.653	180.647	-0.006
5	175	180.649	180.649	0.000
5	176	180.726	180.678	-0.048
5	177	180.711	180.690	-0.021
10	7	180.683	180.656	-0.027
10	8	180.715	180.663	-0.052
10	9	180.600	180.567	-0.033
10	10	180.670	180.668	-0.002
10	11	180.679	180.655	-0.024
15	178	180.679	180.649	-0.030
15	179	180.711	180.702	-0.009
15	180	180.682	180.658	-0.024
15	181	180.614	180.626	0.012
15	182	180.687	180.709	0.022
30	14	180.620	180.541	-0.079
30	15	180.715	180.683	-0.032
30	20	180.716	180.680	-0.036
30	21	180.669	180.604	-0.065
30	23	180.671	180.706	0.035
35	183	180.728	180.743	0.015
35	184	180.635	180.613	-0.022
35	219	180.694	180.682	-0.012
35	220	180.709	180.726	0.017
35	221	180.706	180.707	0.001
50	25	180.762	180.661	-0.101
50	26	180.739	180.701	-0.038
50	27	180.686	180.691	0.005
50	29	180.692	180.726	0.034
50	30	180.641	180.567	-0.074
55	222	180.696	180.603	-0.093
55	223	180.662	180.616	-0.046
55	224	180.629	180.643	0.014
55	226	180.645	180.582	-0.063
55	227	180.717	180.658	-0.059
100	31	180.720	180.690	-0.030
100	32	180.736	180.739	0.003
100	33	180.685	180.693	0.008
100	35	180.746	180.718	-0.028
100	36	180.703	180.716	0.013
100	37	180.719	180.672	-0.047
100	38	180.692	180.666	-0.026
100	39	180.694	180.694	0.000
100	41	180.710	180.757	0.047
100	42	180.666	180.654	-0.012
100	55	180.645	180.710	0.065
100	56	180.743	180.736	-0.007
100	57	180.670	180.699	0.029
100	58	180.562	180.690	0.128
100	59	180.735	180.738	0.003
100	60	180.684	180.671	-0.013
100	61	180.637	180.661	0.024
100	62	180.676	180.700	0.024
100	63	180.718	180.716	-0.002
100	64	180.718	180.653	-0.065
100	66	180.687	180.672	-0.015
100	67	180.724	180.727	0.003
105	228	180.703	180.716	0.013
105	229	180.683	180.604	-0.079
105	230	180.730	180.675	-0.055
105	231	180.704	180.669	-0.035
105	232	180.712	180.635	-0.077
	Max	180.762	180.757	0.128
	Average	180.688	180.671	-0.017
	Min	180.562	180.541	-0.101
	Std Dev	0.038	0.046	0.039



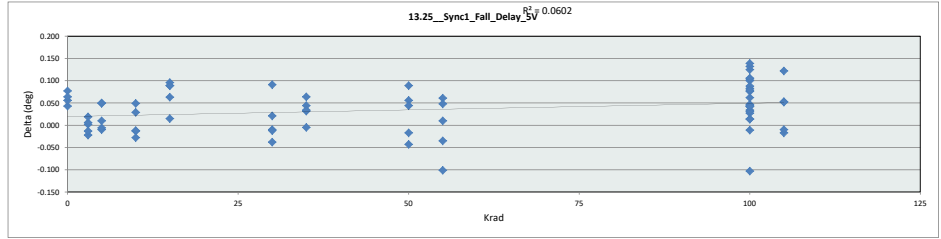
13.24_Sync1_Fall_Delay_3V											
Test Site											
Tester											
Test Number											
Max Limit	185	deg									
Min Limit	165	deg									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000
Min	180.652	180.559	180.647	180.567	180.626	180.541	180.613	180.567	180.582	180.653	180.604
Average	180.687	180.641	180.663	180.642	180.669	180.643	180.694	180.669	180.620	180.699	180.660
Max	180.714	180.694	180.690	180.668	180.709	180.706	180.743	180.726	180.658	180.757	180.716
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000



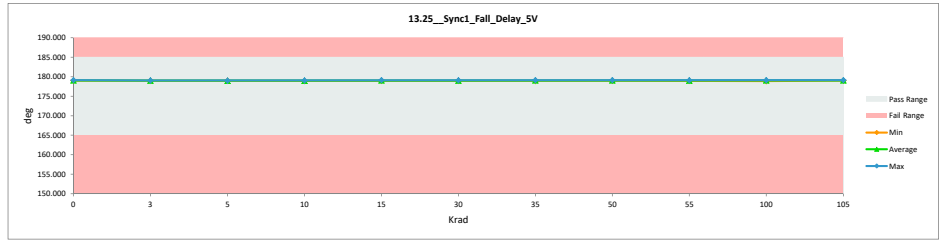


HDR TID Report  
POLARIS - TPS7H4001-SP

13.25_Sync1_Fall_Delay_5V				
Test Site				
Tester				
Test Number				
Unit	deg	deg		
Max Limit	185	185		
Min Limit	165	165		
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	179.072	179.115	0.043
0	140	178.931	179.008	0.077
0	141	178.984	179.040	0.056
0	142	178.985	179.049	0.064
3	1	179.043	179.021	-0.022
3	3	178.969	178.971	0.002
3	4	178.958	178.964	0.006
3	5	178.977	178.964	-0.013
3	6	179.024	179.043	0.019
5	173	178.970	178.960	-0.010
5	174	178.961	178.955	-0.006
5	175	179.006	179.016	0.010
5	176	178.972	179.021	0.049
5	177	178.939	178.989	0.050
10	7	179.063	179.035	-0.028
10	8	179.013	179.000	-0.013
10	9	178.948	178.936	-0.012
10	10	178.923	178.972	0.049
10	11	178.943	178.972	0.029
15	178	178.894	178.983	0.089
15	179	179.057	179.153	0.096
15	180	179.006	179.021	0.015
15	181	178.923	178.986	0.063
15	182	178.967	179.056	0.089
30	14	178.997	178.987	-0.010
30	15	179.039	179.001	-0.038
30	20	179.069	179.057	-0.012
30	21	178.949	178.970	0.021
30	23	178.987	179.078	0.091
35	183	178.990	179.022	0.032
35	184	178.875	178.939	0.064
35	219	179.038	179.082	0.044
35	220	179.056	179.051	-0.005
35	221	179.106	179.140	0.034
50	25	179.033	178.990	-0.043
50	26	179.015	179.071	0.056
50	27	178.958	179.002	0.044
50	29	179.042	179.131	0.089
50	30	178.988	178.971	-0.017
55	222	178.999	178.964	-0.035
55	223	179.101	179.000	-0.101
55	224	178.995	179.005	0.010
55	226	179.021	179.082	0.061
55	227	179.041	179.089	0.048
100	31	178.997	179.039	0.042
100	32	179.049	179.076	0.027
100	33	178.990	179.052	0.062
100	35	179.022	179.069	0.047
100	36	179.001	179.077	0.076
100	37	179.046	179.090	0.044
100	38	179.024	179.058	0.034
100	39	178.994	179.119	0.125
100	41	178.996	179.128	0.132
100	42	179.059	179.090	0.031
100	55	178.954	178.943	-0.011
100	56	179.003	179.142	0.139
100	57	179.003	178.900	-0.103
100	58	178.980	179.080	0.100
100	59	179.044	179.086	0.042
100	60	178.980	178.994	0.014
100	61	178.972	178.986	0.014
100	62	179.004	179.087	0.083
100	63	178.973	179.061	0.088
100	64	179.007	179.086	0.079
100	66	179.026	179.130	0.104
100	67	179.038	179.144	0.106
105	228	179.089	179.072	-0.017
105	229	178.966	179.019	0.053
105	230	178.986	179.038	0.052
105	231	179.081	179.071	-0.010
105	232	179.004	179.126	0.122
	Max	179.106	179.153	0.139
	Average	179.002	179.037	0.035
	Min	178.875	178.900	-0.103
	Std Dev	0.047	0.060	0.050



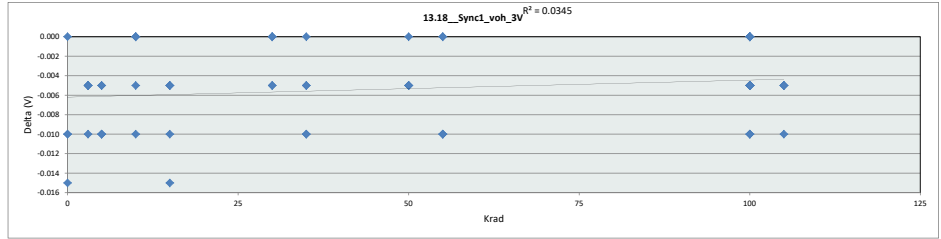
13.25_Sync1_Fall_Delay_5V											
Test Site											
Tester											
Test Number											
Max Limit	185	deg									
Min Limit	165	deg									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000
Min	179.008	178.964	178.955	178.936	178.983	178.970	178.939	178.971	178.964	178.900	179.019
Average	179.053	178.993	178.988	178.983	179.040	179.019	179.047	179.033	179.028	179.065	179.065
Max	179.115	179.043	179.021	179.035	179.153	179.078	179.140	179.131	179.089	179.144	179.126
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000



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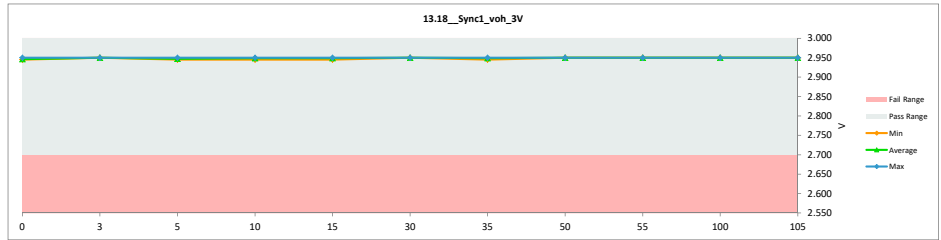
13.18_Sync1_voh_3V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	V
Min Limit	2.7

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	2.955	2.945	-0.010
0	140	2.955	2.945	-0.010
0	141	2.960	2.945	-0.015
0	142	2.950	2.950	0.000
3	1	2.955	2.950	-0.005
3	3	2.955	2.950	-0.005
3	4	2.955	2.950	-0.005
3	5	2.955	2.950	-0.005
3	6	2.960	2.950	-0.010
5	173	2.955	2.945	-0.010
5	174	2.955	2.945	-0.010
5	175	2.955	2.945	-0.010
5	176	2.955	2.950	-0.005
5	177	2.955	2.950	-0.005
10	7	2.950	2.950	0.000
10	8	2.955	2.950	-0.005
10	9	2.955	2.945	-0.010
10	10	2.950	2.950	0.000
10	11	2.950	2.950	0.000
15	178	2.960	2.945	-0.015
15	179	2.955	2.950	-0.005
15	180	2.960	2.950	-0.010
15	181	2.955	2.950	-0.005
15	182	2.955	2.950	-0.005
30	14	2.950	2.950	0.000
30	15	2.950	2.950	0.000
30	20	2.955	2.950	-0.005
30	21	2.955	2.950	-0.005
30	23	2.950	2.950	0.000
35	183	2.950	2.950	0.000
35	184	2.955	2.950	-0.005
35	219	2.960	2.950	-0.010
35	220	2.955	2.945	-0.010
35	221	2.955	2.950	-0.005
50	25	2.955	2.950	-0.005
50	26	2.950	2.950	0.000
50	27	2.955	2.950	-0.005
50	29	2.955	2.950	-0.005
50	30	2.955	2.950	-0.005
55	222	2.960	2.950	-0.010
55	223	2.950	2.950	0.000
55	224	2.960	2.950	-0.010
55	226	2.950	2.950	0.000
55	227	2.960	2.950	-0.010
100	31	2.955	2.950	-0.005
100	32	2.960	2.950	-0.010
100	33	2.955	2.950	-0.005
100	35	2.955	2.950	-0.005
100	36	2.960	2.950	-0.010
100	37	2.955	2.950	-0.005
100	38	2.955	2.950	-0.005
100	39	2.960	2.950	-0.010
100	41	2.955	2.950	-0.005
100	42	2.955	2.950	-0.005
100	55	2.955	2.950	-0.005
100	56	2.950	2.950	0.000
100	57	2.950	2.950	0.000
100	58	2.950	2.950	0.000
100	59	2.955	2.950	-0.005
100	60	2.950	2.950	0.000
100	61	2.955	2.950	-0.005
100	62	2.950	2.950	0.000
100	63	2.955	2.950	-0.005
100	64	2.955	2.950	-0.005
100	66	2.955	2.950	-0.005
100	67	2.950	2.950	0.000
105	228	2.955	2.950	-0.005
105	229	2.955	2.950	-0.005
105	230	2.955	2.950	-0.005
105	231	2.955	2.950	-0.005
105	232	2.960	2.950	-0.010
Max		2.950	2.950	0.000
Average		2.949	2.949	-0.005
Min		2.950	2.945	-0.015
Std Dev		0.003	0.002	0.004



13.18_Sync1_voh_3V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	V
Min Limit	2.7

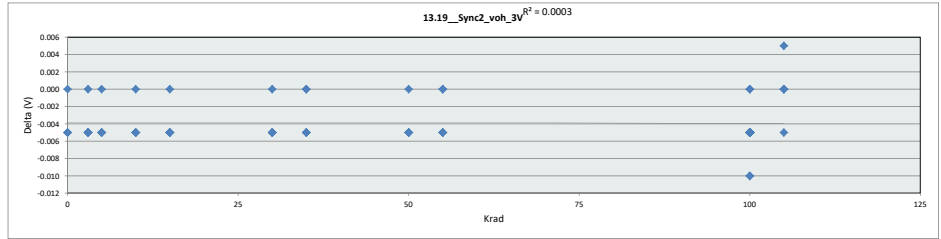
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700
Min	2.945	2.950	2.945	2.945	2.945	2.950	2.945	2.950	2.950	2.950	2.950
Average	2.946	2.950	2.947	2.949	2.949	2.950	2.949	2.950	2.950	2.950	2.950
Max	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950
UL											



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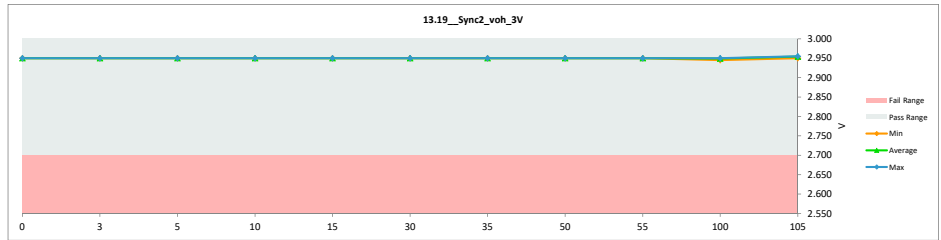
13.19_Sync2_voh_3V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	
Min Limit	2.7 2.7

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	2.955	2.950	-0.005
0	140	2.955	2.950	-0.005
0	141	2.955	2.950	-0.005
0	142	2.950	2.950	0.000
3	1	2.955	2.950	-0.005
3	3	2.955	2.950	-0.005
3	4	2.955	2.950	-0.005
3	5	2.950	2.950	0.000
3	6	2.955	2.950	-0.005
5	173	2.955	2.950	-0.005
5	174	2.955	2.950	-0.005
5	175	2.950	2.950	0.000
5	176	2.955	2.950	-0.005
5	177	2.955	2.950	-0.005
10	7	2.955	2.950	-0.005
10	8	2.955	2.950	-0.005
10	9	2.955	2.950	-0.005
10	10	2.950	2.950	0.000
10	11	2.955	2.950	-0.005
15	178	2.950	2.950	0.000
15	179	2.955	2.950	-0.005
15	180	2.955	2.950	-0.005
15	181	2.955	2.950	-0.005
15	182	2.955	2.950	-0.005
30	14	2.955	2.950	-0.005
30	15	2.955	2.950	-0.005
30	20	2.950	2.950	0.000
30	21	2.955	2.950	-0.005
30	23	2.955	2.950	-0.005
35	183	2.950	2.950	0.000
35	184	2.955	2.950	-0.005
35	219	2.950	2.950	0.000
35	220	2.955	2.950	-0.005
35	221	2.955	2.950	-0.005
50	25	2.955	2.950	-0.005
50	26	2.955	2.950	-0.005
50	27	2.955	2.950	-0.005
50	29	2.955	2.950	-0.005
50	30	2.950	2.950	0.000
55	222	2.950	2.950	0.000
55	223	2.955	2.950	-0.005
55	224	2.955	2.950	-0.005
55	226	2.950	2.950	0.000
55	227	2.955	2.950	-0.005
100	31	2.955	2.950	-0.005
100	32	2.955	2.950	-0.005
100	33	2.955	2.945	-0.010
100	35	2.955	2.945	-0.010
100	36	2.955	2.950	-0.005
100	37	2.955	2.950	-0.005
100	38	2.955	2.950	-0.005
100	39	2.955	2.950	-0.005
100	41	2.955	2.950	-0.005
100	42	2.955	2.950	-0.005
100	55	2.955	2.950	-0.005
100	56	2.950	2.945	-0.005
100	57	2.955	2.950	-0.005
100	58	2.955	2.950	-0.005
100	59	2.950	2.950	0.000
100	60	2.950	2.945	-0.005
100	61	2.955	2.950	-0.005
100	62	2.955	2.950	-0.005
100	63	2.950	2.950	0.000
100	64	2.955	2.950	-0.005
100	66	2.955	2.950	-0.005
100	67	2.955	2.950	-0.005
105	228	2.955	2.955	0.000
105	229	2.955	2.955	0.000
105	230	2.955	2.950	-0.005
105	231	2.950	2.955	0.005
105	232	2.955	2.955	0.000
	Max	2.955	2.955	0.005
	Average	2.954	2.950	-0.004
	Min	2.950	2.945	-0.010
	Std Dev	0.002	0.002	0.003



13.19_Sync2_voh_3V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	
Min Limit	2.7

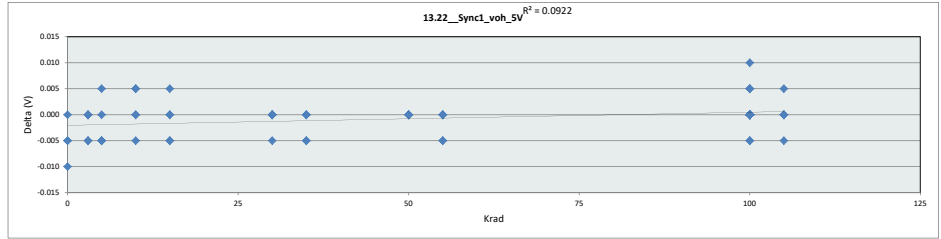
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700
Min	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.945	2.950
Average	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.949	2.954
Max	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.955
UL											



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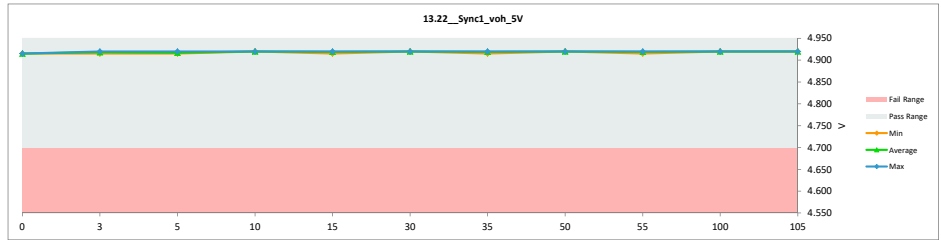
13.22_Sync1_voh_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	V
Min Limit	4.7

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	4.915	4.915	0.000
0	140	4.925	4.915	-0.010
0	141	4.920	4.915	-0.005
0	142	4.920	4.915	-0.005
3	1	4.920	4.920	0.000
3	3	4.920	4.920	0.000
3	4	4.920	4.920	0.000
3	5	4.920	4.915	-0.005
3	6	4.920	4.915	-0.005
5	173	4.920	4.915	-0.005
5	174	4.920	4.920	0.000
5	175	4.915	4.920	0.005
5	176	4.920	4.915	-0.005
5	177	4.920	4.915	-0.005
10	7	4.915	4.920	0.005
10	8	4.925	4.920	-0.005
10	9	4.920	4.920	0.000
10	10	4.915	4.920	0.005
10	11	4.920	4.920	0.000
15	178	4.920	4.920	0.000
15	179	4.920	4.915	-0.005
15	180	4.920	4.920	0.000
15	181	4.925	4.920	-0.005
15	182	4.915	4.920	0.005
30	14	4.920	4.920	0.000
30	15	4.920	4.920	0.000
30	20	4.925	4.920	-0.005
30	21	4.920	4.920	0.000
30	23	4.920	4.920	0.000
35	183	4.920	4.920	0.000
35	184	4.920	4.920	0.000
35	219	4.920	4.920	0.000
35	220	4.925	4.920	-0.005
35	221	4.920	4.915	-0.005
50	25	4.920	4.920	0.000
50	26	4.920	4.920	0.000
50	27	4.920	4.920	0.000
50	29	4.920	4.920	0.000
50	30	4.920	4.920	0.000
55	222	4.925	4.920	-0.005
55	223	4.920	4.915	-0.005
55	224	4.920	4.920	0.000
55	226	4.920	4.920	0.000
55	227	4.920	4.920	0.000
100	31	4.925	4.920	-0.005
100	32	4.915	4.920	0.005
100	33	4.920	4.920	0.000
100	35	4.920	4.920	0.000
100	36	4.925	4.920	-0.005
100	37	4.920	4.920	0.000
100	38	4.920	4.920	0.000
100	39	4.920	4.920	0.000
100	41	4.920	4.920	0.000
100	42	4.920	4.920	0.000
100	55	4.920	4.920	0.000
100	56	4.915	4.920	0.005
100	57	4.910	4.920	0.010
100	58	4.920	4.920	0.000
100	59	4.920	4.920	0.000
100	60	4.920	4.920	0.000
100	61	4.920	4.920	0.000
100	62	4.915	4.920	0.005
100	63	4.920	4.920	0.000
100	64	4.920	4.920	0.000
100	66	4.920	4.920	0.000
100	67	4.920	4.920	0.000
105	228	4.915	4.920	0.005
105	229	4.920	4.920	0.000
105	230	4.920	4.920	0.000
105	231	4.925	4.920	-0.005
105	232	4.920	4.920	0.000
105	237	4.925	4.920	-0.005
Average		4.920	4.919	-0.001
Min		4.910	4.915	-0.010
Std Dev		0.003	0.002	0.003



13.22_Sync1_voh_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	V
Min Limit	4.7

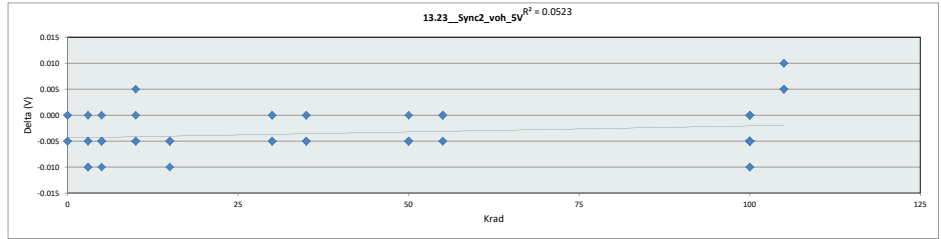
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700
Min	4.915	4.915	4.915	4.920	4.915	4.920	4.915	4.920	4.915	4.920	4.920
Average	4.915	4.918	4.917	4.920	4.919	4.920	4.919	4.920	4.919	4.920	4.920
Max	4.915	4.920	4.920	4.920	4.920	4.920	4.920	4.920	4.920	4.920	4.920
UL											



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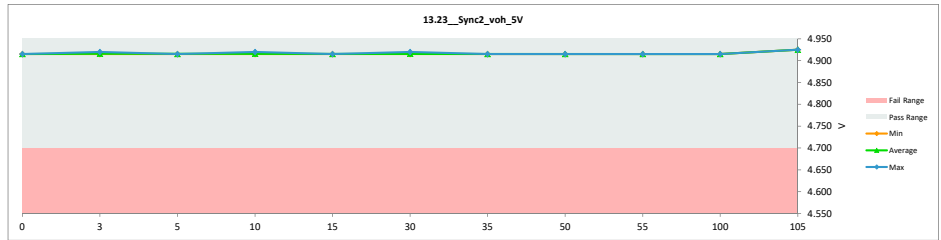
13.23_Sync2_voh_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	V
Min Limit	4.7

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	4.915	4.915	0.000
0	140	4.920	4.915	-0.005
0	141	4.915	4.915	0.000
0	142	4.920	4.915	-0.005
3	1	4.920	4.915	-0.005
3	3	4.920	4.920	0.000
3	4	4.920	4.915	-0.005
3	5	4.925	4.915	-0.010
3	6	4.925	4.915	-0.010
5	173	4.915	4.915	0.000
5	174	4.920	4.915	-0.005
5	175	4.920	4.915	-0.005
5	176	4.925	4.915	-0.010
5	177	4.920	4.915	-0.005
10	7	4.920	4.915	-0.005
10	8	4.920	4.915	-0.005
10	9	4.915	4.920	0.005
10	10	4.915	4.915	0.000
10	11	4.920	4.915	-0.005
15	178	4.920	4.915	-0.005
15	179	4.920	4.915	-0.005
15	180	4.925	4.915	-0.010
15	181	4.920	4.915	-0.005
15	182	4.920	4.915	-0.005
30	14	4.920	4.915	-0.005
30	15	4.920	4.915	-0.005
30	20	4.915	4.915	0.000
30	21	4.920	4.920	0.000
30	23	4.920	4.915	-0.005
35	183	4.915	4.915	0.000
35	184	4.920	4.915	-0.005
35	219	4.915	4.915	0.000
35	220	4.920	4.915	-0.005
35	221	4.920	4.915	-0.005
50	25	4.920	4.915	-0.005
50	26	4.915	4.915	0.000
50	27	4.920	4.915	-0.005
50	29	4.920	4.915	-0.005
50	30	4.920	4.915	-0.005
55	222	4.915	4.915	0.000
55	223	4.915	4.915	0.000
55	224	4.920	4.915	-0.005
55	226	4.920	4.915	-0.005
55	227	4.915	4.915	0.000
100	31	4.925	4.915	-0.010
100	32	4.920	4.915	-0.005
100	33	4.920	4.915	-0.005
100	35	4.920	4.915	-0.005
100	36	4.925	4.915	-0.010
100	37	4.920	4.915	-0.005
100	38	4.915	4.915	0.000
100	39	4.920	4.915	-0.005
100	41	4.920	4.915	-0.005
100	42	4.920	4.915	-0.005
100	55	4.920	4.915	-0.005
100	56	4.915	4.915	0.000
100	57	4.915	4.915	0.000
100	58	4.920	4.915	-0.005
100	59	4.920	4.915	-0.005
100	60	4.915	4.915	0.000
100	61	4.920	4.915	-0.005
100	62	4.920	4.915	-0.005
100	63	4.920	4.915	-0.005
100	64	4.920	4.915	-0.005
100	66	4.915	4.915	0.000
100	67	4.920	4.915	-0.005
105	228	4.915	4.925	0.010
105	229	4.915	4.925	0.010
105	230	4.920	4.925	0.005
105	231	4.920	4.925	0.005
105	232	4.920	4.925	0.005
105	237	4.925	4.925	0.010
	Average	4.916	4.916	-0.003
	Min	4.915	4.915	-0.010
	Std Dev	0.003	0.003	0.004



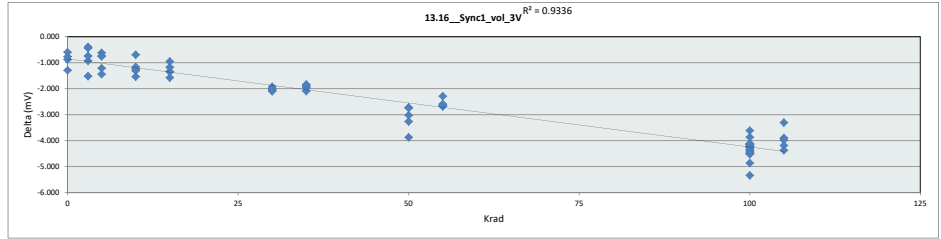
13.23_Sync2_voh_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	V
Min Limit	4.7

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700
Min	4.915	4.915	4.915	4.915	4.915	4.915	4.915	4.915	4.915	4.915	4.925
Average	4.915	4.916	4.915	4.916	4.915	4.916	4.915	4.915	4.915	4.915	4.925
Max	4.915	4.920	4.915	4.920	4.915	4.920	4.915	4.920	4.915	4.915	4.925
UL											

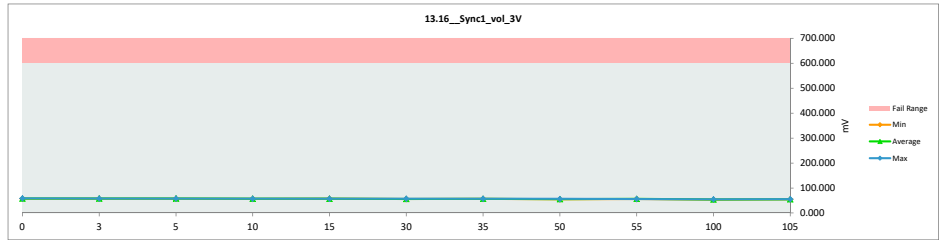


HDR TID Report  
POLARIS - TPS7H4001-SP

13.16_Sync1_vol_3V				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	59.163	58.281	-0.882
0	140	58.918	57.629	-1.289
0	141	59.265	58.496	-0.769
0	142	58.351	57.754	-0.597
3	1	58.774	57.844	-0.930
3	3	58.452	57.706	-0.746
3	4	58.339	57.904	-0.435
3	5	58.668	58.275	-0.393
3	6	59.250	57.728	-1.522
5	173	58.953	57.742	-1.211
5	174	58.835	57.395	-1.440
5	175	58.718	57.976	-0.742
5	176	58.500	57.877	-0.623
5	177	58.596	57.846	-0.750
10	7	58.554	57.311	-1.243
10	8	58.721	57.412	-1.309
10	9	58.052	57.359	-0.693
10	10	58.883	57.344	-1.539
10	11	58.088	56.923	-1.165
15	178	58.792	57.449	-1.343
15	179	58.656	57.311	-1.345
15	180	58.745	57.168	-1.577
15	181	58.638	57.688	-0.950
15	182	58.576	57.401	-1.175
30	14	59.062	57.066	-1.996
30	15	57.871	55.803	-2.068
30	20	57.889	55.965	-1.924
30	21	58.500	56.456	-2.044
30	23	58.906	56.809	-2.097
35	183	58.638	56.671	-1.967
35	184	58.655	56.800	-1.855
35	219	58.990	57.078	-1.912
35	220	58.847	57.010	-1.837
35	221	59.086	56.994	-2.092
50	25	58.649	55.929	-2.720
50	26	58.578	55.834	-2.744
50	27	58.582	55.558	-3.024
50	29	59.325	56.061	-3.264
50	30	58.625	54.757	-3.868
55	222	58.872	56.582	-2.290
55	223	58.872	56.187	-2.685
55	224	59.498	56.845	-2.653
55	226	58.990	56.360	-2.630
55	227	59.193	56.605	-2.588
100	31	58.854	54.458	-4.396
100	32	59.050	54.697	-4.353
100	33	58.159	53.922	-4.237
100	35	58.631	54.151	-4.480
100	36	58.327	54.194	-4.133
100	37	59.206	55.038	-4.168
100	38	58.823	54.715	-4.108
100	39	58.718	53.381	-5.337
100	41	58.297	54.685	-3.612
100	42	58.829	54.583	-4.246
100	55	58.452	53.955	-4.497
100	56	58.004	53.883	-4.121
100	57	59.450	54.936	-4.514
100	58	59.152	54.906	-4.246
100	59	59.002	54.140	-4.862
100	60	58.745	54.595	-4.150
100	61	59.205	54.769	-4.436
100	62	58.960	54.683	-4.277
100	63	58.924	55.062	-3.862
100	64	58.781	54.559	-4.222
100	66	58.620	54.107	-4.513
100	67	58.649	54.505	-4.144
105	228	58.542	54.649	-3.893
105	229	58.912	54.937	-3.975
105	230	59.009	54.823	-4.186
105	231	59.026	54.655	-4.371
105	232	58.823	55.517	-3.306
	Max	59.498	56.496	-0.393
	Average	58.750	56.108	-2.642
	Min	57.871	53.381	-5.337
	Std Dev	0.347	1.420	1.441

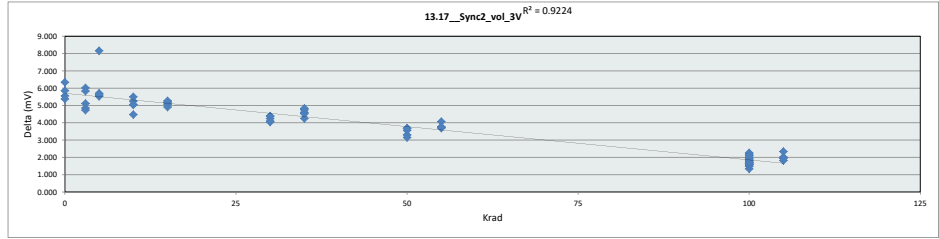


13.16_Sync1_vol_3V											
LL	0	3	5	10	15	30	35	50	55	100	105
Min	57.629	57.706	57.395	56.923	57.168	55.803	56.671	54.757	56.187	53.381	54.649
Average	58.040	57.891	57.767	57.270	57.403	56.420	56.911	55.628	56.516	54.451	54.916
Max	58.496	58.275	57.976	57.412	57.688	57.066	57.078	56.061	56.845	55.062	55.517
UL	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000

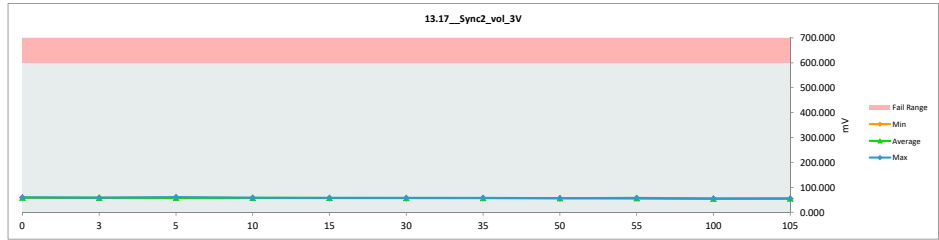


HDR TID Report  
POLARIS - TPS7H4001-SP

13.17_Sync2_vol_3V				
Test Site	Tester	Test Number	Unit	Max Limit
			mV	600
			mV	600
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	53.278	58.832	5.554
0	140	53.761	60.105	6.344
0	141	53.686	59.535	5.849
0	142	53.055	58.430	5.375
3	1	53.183	58.035	4.852
3	3	52.878	58.896	6.018
3	4	52.943	58.770	5.827
3	5	53.189	57.916	4.727
3	6	53.350	58.460	5.110
5	173	52.806	58.507	5.701
5	174	53.021	61.186	8.165
5	175	53.141	58.663	5.522
5	176	52.765	58.356	5.591
5	177	52.531	58.185	5.654
10	7	52.746	58.245	5.499
10	8	53.332	58.579	5.247
10	9	52.896	57.946	5.050
10	10	53.051	57.528	4.477
10	11	52.650	57.695	5.045
15	178	52.721	57.880	5.159
15	179	52.238	57.432	5.194
15	180	52.967	58.041	5.074
15	181	53.224	58.134	4.910
15	182	52.752	58.018	5.266
30	14	53.380	57.767	4.387
30	15	52.189	56.232	4.043
30	20	52.148	56.385	4.237
30	21	53.212	57.594	4.382
30	23	53.655	57.749	4.094
35	183	52.597	57.199	4.602
35	184	53.253	57.769	4.516
35	219	53.195	57.949	4.754
35	220	53.189	58.018	4.829
35	221	53.404	57.659	4.255
50	25	52.925	56.614	3.689
50	26	52.872	56.429	3.557
50	27	52.686	55.987	3.301
50	29	53.414	56.566	3.152
50	30	53.308	56.984	3.676
55	222	53.039	56.787	3.748
55	223	53.365	57.086	3.721
55	224	53.775	57.839	4.064
55	226	53.093	56.793	3.700
55	227	53.024	56.787	3.763
100	31	53.051	54.631	1.580
100	32	53.241	55.106	1.865
100	33	52.333	54.249	1.916
100	35	52.961	54.661	1.700
100	36	52.656	54.852	2.196
100	37	53.248	55.258	2.010
100	38	53.099	55.229	2.130
100	39	53.105	54.589	1.484
100	41	53.241	55.205	1.964
100	42	53.410	55.031	1.621
100	55	52.449	54.148	1.699
100	56	52.644	54.235	1.591
100	57	53.942	55.599	1.657
100	58	53.371	55.156	1.785
100	59	53.049	54.386	1.337
100	60	53.241	55.061	1.820
100	61	53.392	54.894	1.502
100	62	53.173	55.438	2.265
100	63	53.506	55.103	1.597
100	64	53.024	55.133	2.109
100	66	52.610	54.278	1.668
100	67	52.796	54.519	1.723
105	228	53.241	55.581	2.340
105	229	53.365	55.354	1.989
105	230	52.716	54.730	2.014
105	231	53.344	55.163	1.819
105	232	53.538	55.491	1.953
	Max	53.942	61.186	8.165
	Average	53.065	56.742	3.676
	Min	52.148	54.148	1.337
	Std Dev	0.374	1.657	1.645

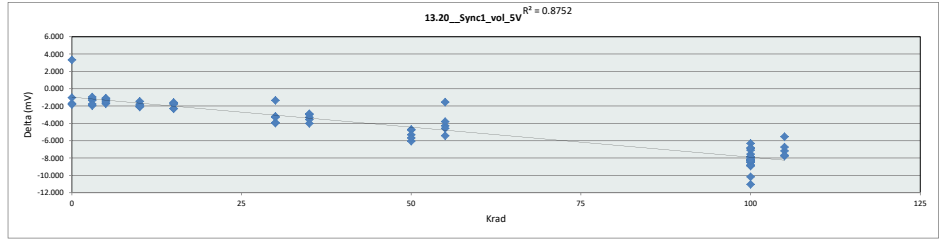


13.17_Sync2_vol_3V										
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit	LL	UL	LL	UL	LL
			mV	600	600	0	600.000	3	600.000	5
			mV	600	600	0	600.000	10	600.000	15
						30	600.000	35	600.000	50
						55	600.000	100	600.000	105
						Min	58.430	57.916	58.185	57.528
						Average	59.226	58.415	58.979	57.999
						Max	60.105	58.896	61.186	58.579
						UL	600.000	600.000	600.000	600.000
							600.000	600.000	600.000	600.000
							600.000	600.000	600.000	600.000

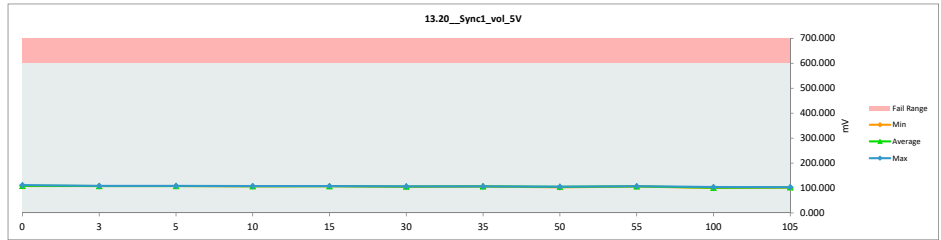


HDR TID Report  
POLARIS - TPS7H4001-SP

13.20_Sync1_vol_5V				
Test Site	Tester			
Test Number				
Unit	mV	mV		
Max Limit	600	600		
Min Limit				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	108.303	111.631	3.328
0	140	110.377	108.672	-1.705
0	141	110.574	108.754	-1.820
0	142	109.323	108.295	-1.028
3	1	110.065	108.101	-1.964
3	3	109.206	108.018	-1.188
3	4	109.447	108.101	-1.346
3	5	109.905	108.939	-0.966
3	6	109.762	107.992	-1.770
5	173	109.738	108.000	-1.738
5	174	109.886	108.795	-1.091
5	175	110.028	108.718	-1.310
5	176	109.373	108.191	-1.182
5	177	109.540	108.006	-1.534
10	7	109.140	107.677	-1.463
10	8	109.905	107.910	-1.995
10	9	109.642	107.844	-1.798
10	10	109.768	107.665	-2.103
10	11	108.572	106.510	-2.062
15	178	109.342	107.754	-1.588
15	179	109.218	107.443	-1.775
15	180	109.441	107.707	-1.734
15	181	110.007	107.726	-2.281
15	182	109.941	107.629	-2.312
30	14	110.158	106.959	-3.199
30	15	107.018	105.664	-1.354
30	20	108.584	104.612	-3.972
30	21	110.001	106.079	-3.922
30	23	110.066	106.760	-3.306
35	183	109.182	106.191	-2.991
35	184	109.576	106.677	-2.899
35	219	110.170	106.863	-3.307
35	220	110.300	106.737	-3.563
35	221	111.053	107.045	-4.008
50	25	109.558	104.799	-4.759
50	26	109.700	104.996	-4.704
50	27	108.871	102.820	-6.051
50	29	110.665	105.349	-5.316
50	30	110.622	104.934	-5.688
55	222	110.323	106.049	-4.274
55	223	107.753	106.203	-1.550
55	224	111.395	107.599	-3.796
55	226	111.740	106.318	-5.422
55	227	110.664	106.092	-4.572
100	31	109.714	101.249	-8.465
100	32	110.282	101.360	-8.922
100	33	108.847	100.632	-8.215
100	35	109.624	101.139	-8.485
100	36	109.020	100.532	-8.488
100	37	113.832	103.662	-10.170
100	38	109.873	101.764	-8.109
100	39	110.048	101.168	-8.880
100	41	109.690	101.502	-8.188
100	42	110.170	102.296	-7.874
100	55	109.076	101.165	-7.911
100	56	108.779	101.233	-7.546
100	57	110.796	104.489	-6.307
100	58	110.449	103.573	-6.876
100	59	109.977	101.652	-8.325
100	60	110.189	101.375	-8.814
100	61	114.251	103.214	-11.037
100	62	109.905	102.821	-7.084
100	63	109.869	103.034	-6.835
100	64	109.923	102.073	-7.850
100	66	109.463	101.147	-8.316
100	67	109.827	101.547	-8.280
105	228	109.289	103.752	-5.537
105	229	110.879	103.691	-7.188
105	230	110.019	103.280	-6.739
105	231	110.708	102.927	-7.781
105	232	109.570	101.884	-7.686
Max	114.251	111.631	3.328	
Average	109.887	105.253	-4.634	
Min	107.018	100.532	-11.037	
Std Dev	1.041	2.795	3.046	



13.20_Sync1_vol_5V											
Test Site	Tester										
Test Number											
Max Limit	600	mV									
Min Limit	0	mV									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	108.295	107.992	108.000	106.510	107.443	104.612	106.191	102.820	106.049	100.532	101.884
Average	109.338	108.230	108.342	107.521	107.652	106.015	106.703	104.580	106.452	101.938	103.107
Max	111.631	108.939	108.795	107.910	107.754	106.959	107.045	105.349	107.599	104.489	103.752
UL	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000

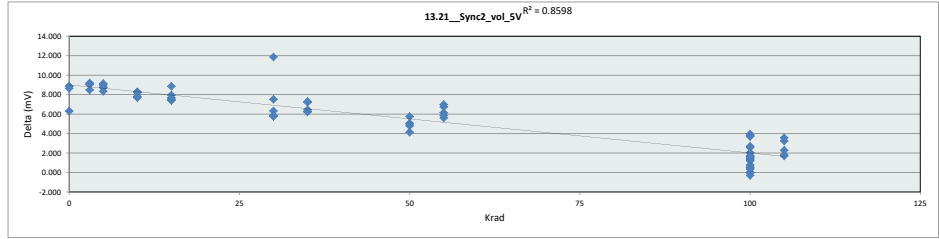




HDR TID Report  
POLARIS - TPS7H4001-SP

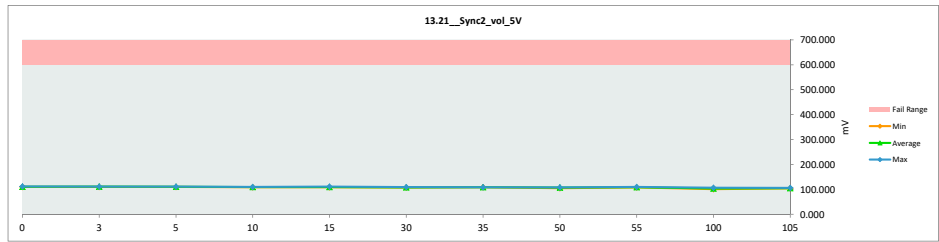
13.21_Sync2_vol_5V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	600
Min Limit	600

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	103.525	109.836	6.311
0	140	102.355	111.208	8.853
0	141	103.154	112.016	8.862
0	142	102.012	110.666	8.654
3	1	102.331	111.538	9.207
3	3	101.795	110.284	8.489
3	4	102.232	111.289	9.057
3	5	102.269	111.329	9.060
3	6	101.928	110.979	9.051
5	173	102.160	111.144	8.984
5	174	102.340	111.048	8.708
5	175	102.370	111.510	9.140
5	176	101.891	110.659	8.768
5	177	101.705	110.055	8.350
10	7	101.766	110.042	8.276
10	8	102.386	110.087	7.701
10	9	101.330	109.622	8.292
10	10	102.006	110.224	8.218
10	11	100.793	108.621	7.828
15	178	101.596	109.557	7.961
15	179	101.273	108.802	7.529
15	180	102.164	109.560	7.396
15	181	102.239	111.097	8.858
15	182	101.982	109.650	7.668
30	14	102.938	109.269	6.331
30	15	96.606	108.478	11.872
30	20	100.043	107.566	7.523
30	21	102.406	108.155	5.749
30	23	102.843	108.730	5.887
35	183	101.671	108.892	7.221
35	184	102.857	109.080	6.223
35	219	102.362	108.798	6.436
35	220	102.473	108.753	6.280
35	221	101.168	108.467	7.299
50	25	102.306	107.374	5.068
50	26	102.089	107.851	5.762
50	27	101.060	105.202	4.142
50	29	102.598	107.603	5.005
50	30	103.285	108.081	4.796
55	222	102.221	108.365	6.144
55	223	101.832	108.826	6.994
55	224	103.220	109.962	6.742
55	226	102.777	108.378	5.601
55	227	102.245	108.099	5.854
100	31	102.170	102.200	0.030
100	32	102.275	103.682	1.407
100	33	100.680	101.045	0.365
100	35	101.366	101.330	-0.036
100	36	101.206	100.911	-0.295
100	37	102.777	106.558	3.781
100	38	102.349	103.557	1.208
100	39	102.161	103.769	1.608
100	41	102.294	102.785	0.491
100	42	102.400	104.423	2.023
100	55	101.138	101.910	0.772
100	56	101.126	102.424	1.298
100	57	103.147	107.007	3.860
100	58	102.604	106.553	3.949
100	59	102.071	103.801	1.730
100	60	102.368	104.051	1.683
100	61	102.863	105.439	2.576
100	62	102.059	104.764	2.705
100	63	102.388	106.094	3.706
100	64	102.669	104.702	2.033
100	66	101.483	102.033	0.550
100	67	101.632	103.215	1.583
105	228	102.125	104.412	2.287
105	229	102.687	105.924	3.237
105	230	101.736	105.302	3.566
105	231	103.112	104.926	1.814
105	232	102.436	104.153	1.717
Max		103.525	112.016	11.872
Average		102.055	107.376	5.321
Min		96.606	100.911	-0.295
Std Dev		0.925	3.099	3.101



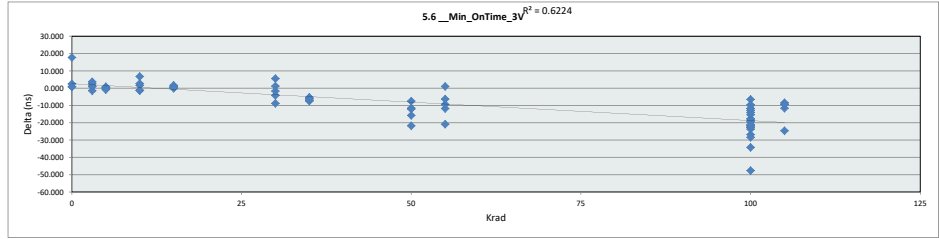
13.21_Sync2_vol_5V	
Test Site	
Tester	
Test Number	
Max Limit	600 mV
Min Limit	600 mV

LL	0	5	10	15	30	35	50	55	100	105	
Min	109.836	110.284	110.055	108.621	108.802	107.566	108.467	105.202	108.099	100.911	104.153
Average	110.932	111.084	110.883	109.719	109.733	108.440	108.798	107.222	108.726	103.739	104.943
Max	112.016	111.538	111.510	110.224	111.097	109.269	109.080	108.081	109.962	107.007	105.924
UL	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000

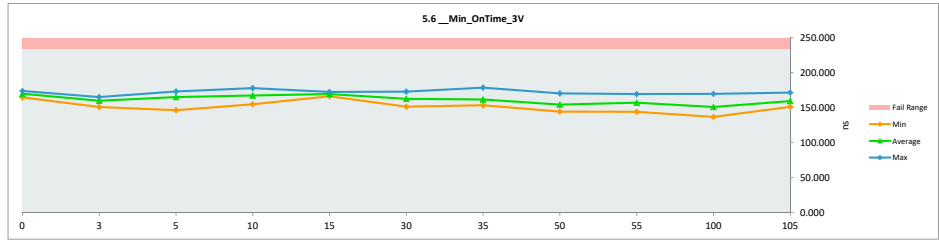


HDR TID Report  
POLARIS - TPS7H4001-SP

5.6_Min_OnTime_3V				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	168.576	169.413	0.837
0	140	147.001	164.683	17.682
0	141	171.448	173.910	2.462
0	142	171.483	172.315	0.832
3	1	161.098	161.994	0.896
3	3	166.578	165.101	-1.477
3	4	163.341	164.502	1.161
3	5	148.372	150.971	2.599
3	6	153.069	156.784	3.715
5	173	145.556	146.394	0.838
5	174	167.450	167.699	0.249
5	175	173.073	173.072	-0.001
5	176	170.555	170.948	0.393
5	177	168.291	167.478	-0.813
10	7	171.240	177.951	6.711
10	8	166.507	165.127	-1.380
10	9	169.726	171.372	1.646
10	10	152.252	154.865	2.613
10	11	169.498	168.283	-1.215
15	178	171.678	172.515	0.837
15	179	169.538	170.022	0.484
15	180	168.299	169.902	1.603
15	181	166.303	166.261	-0.042
15	182	168.535	168.737	0.202
30	14	174.507	172.845	-1.662
30	15	160.248	151.476	-8.772
30	20	163.807	164.953	1.146
30	21	160.460	166.026	5.566
30	23	162.570	158.420	-4.150
35	183	161.572	154.321	-7.251
35	184	159.619	153.504	-6.115
35	219	186.027	178.607	-7.420
35	220	169.149	163.819	-5.330
35	221	164.838	158.645	-6.193
50	25	155.963	144.404	-11.559
50	26	166.029	144.267	-21.762
50	27	172.909	165.440	-7.469
50	29	182.616	170.533	-12.083
50	30	162.431	146.709	-15.722
55	222	164.987	144.151	-20.836
55	223	169.844	160.470	-9.374
55	224	159.510	153.212	-6.298
55	226	168.463	169.453	0.990
55	227	170.265	158.547	-11.718
100	31	166.370	148.626	-17.744
100	32	172.683	145.815	-26.868
100	33	146.549	136.760	-9.789
100	35	165.898	152.998	-12.900
100	36	167.458	144.837	-22.621
100	37	182.148	160.383	-21.765
100	38	178.309	162.942	-15.367
100	39	166.408	148.643	-17.765
100	41	172.999	161.256	-11.743
100	42	172.556	144.125	-28.431
100	55	171.529	147.879	-23.650
100	56	182.437	148.201	-34.236
100	57	176.125	169.632	-6.493
100	58	170.456	148.711	-21.745
100	59	174.727	151.940	-22.787
100	60	163.414	143.894	-19.520
100	61	153.988	139.931	-14.057
100	62	162.875	143.868	-19.007
100	63	164.977	155.302	-9.675
100	64	207.522	159.871	-47.651
100	66	165.098	144.005	-21.093
100	67	174.922	163.180	-11.742
105	228	179.440	167.853	-11.587
105	229	160.552	151.220	-9.332
105	230	162.105	153.688	-8.417
105	231	196.137	171.571	-24.566
105	232	162.170	152.944	-9.226
	Max	207.522	178.607	17.682
	Average	167.678	159.017	-8.661
	Min	145.556	136.760	-47.651
	Std Dev	10.157	10.545	11.081



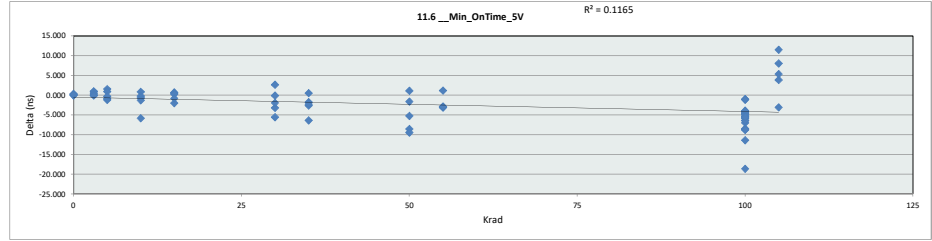
5.6_Min_OnTime_3V															
Test Site	Tester	Test Number	Max Limit	Min Limit	0	3	5	10	15	30	35	50	55	100	105
LL			235	ns											
Min	164.683	150.971	146.394	154.865	166.261	151.476	153.504	144.267	144.151	136.760	151.220				
Average	170.080	159.870	165.118	167.520	169.487	162.744	161.779	154.271	157.167	151.036	159.455				
Max	173.910	165.101	173.072	177.951	172.515	172.845	178.607	170.533	169.453	169.632	171.571				
UL	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000	235.000				



HDR TID Report  
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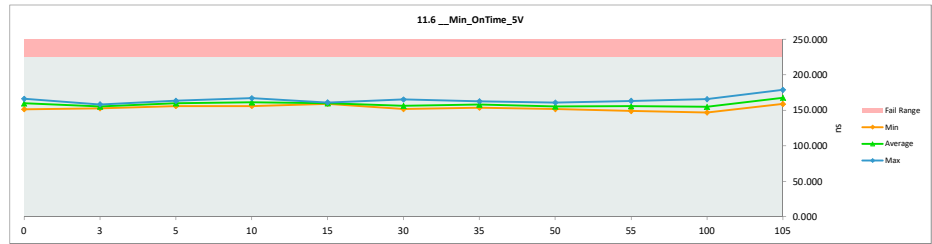
11.6_Min_OnTime_SV	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	225
Min Limit	225

Krad	Serial #	PRE_HDR	POST_HDR	Delta
0	139	161.161	161.077	-0.084
0	140	151.445	151.532	0.087
0	141	160.017	160.373	0.356
0	142	165.949	166.109	0.160
3	1	154.593	155.424	0.831
3	3	157.357	158.354	0.997
3	4	155.340	155.351	0.011
3	5	152.561	152.909	0.348
3	6	155.051	154.949	-0.102
5	173	157.277	156.066	-1.211
5	174	159.247	160.783	1.536
5	175	164.264	163.369	-0.895
5	176	158.791	159.696	0.905
5	177	159.617	159.329	-0.288
10	7	164.186	165.024	0.838
10	8	161.921	156.082	-5.839
10	9	159.955	159.722	-0.233
10	10	167.772	167.044	-0.728
10	11	159.788	158.476	-1.312
15	178	160.061	160.764	0.703
15	179	159.066	159.589	0.523
15	180	160.816	161.056	0.240
15	181	161.548	159.540	-2.008
15	182	160.076	159.267	-0.809
30	14	162.725	165.380	2.655
30	15	155.483	152.272	-3.211
30	20	157.605	157.492	-0.113
30	21	157.271	151.688	-5.583
30	23	155.805	153.858	-1.947
35	183	155.501	156.002	0.501
35	184	155.495	153.725	-1.770
35	219	169.087	162.703	-6.384
35	220	159.845	157.226	-2.619
35	221	163.275	161.016	-2.259
50	25	154.745	153.119	-1.626
50	26	157.047	151.779	-5.268
50	27	164.371	155.820	-8.551
50	29	170.464	160.996	-9.468
50	30	155.248	156.350	1.102
55	222	152.019	149.110	-2.909
55	223	159.261	156.185	-3.076
55	224	158.043	154.940	-3.103
55	226	162.171	163.328	1.157
55	227	158.382	155.497	-2.885
100	31	157.267	153.132	-4.135
100	32	159.888	152.899	-6.989
100	33	151.733	146.893	-4.840
100	35	164.285	155.555	-8.730
100	36	160.901	152.426	-8.475
100	37	156.691	155.708	-0.983
100	38	167.979	159.186	-8.793
100	39	156.747	152.130	-4.617
100	41	161.208	156.803	-4.405
100	42	158.572	152.169	-6.403
100	55	158.860	153.074	-5.786
100	56	167.853	156.436	-11.417
100	57	170.911	165.632	-5.279
100	58	162.300	156.466	-5.834
100	59	159.577	153.161	-6.416
100	60	156.152	151.340	-4.812
100	61	153.398	149.463	-3.935
100	62	156.241	150.944	-5.297
100	63	156.861	155.719	-1.142
100	64	180.770	162.147	-18.623
100	66	158.393	152.859	-5.534
100	67	162.918	161.801	-1.117
105	228	164.280	175.771	11.491
105	229	155.007	158.845	3.838
105	230	156.511	161.862	5.351
105	231	181.900	178.828	-3.072
105	232	155.475	163.493	8.018
	Max	181.900	178.828	11.491
	Average	160.062	157.678	-2.384
	Min	151.445	146.893	-18.623
	Std Dev	5.692	5.603	4.386



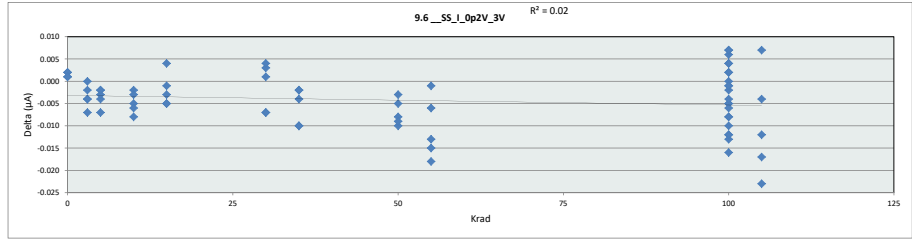
11.6_Min_OnTime_SV	
Test Site	
Tester	
Test Number	
Max Limit	225
Min Limit	ns

Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	151.532	152.909	156.066	156.082	159.267	151.688	153.725	151.779	149.110	146.893	158.845
Average	159.773	155.397	159.849	161.270	160.043	156.138	158.134	155.613	155.812	154.816	167.760
Max	166.109	158.354	163.369	167.044	161.056	165.380	162.703	160.996	163.328	165.632	178.828
UL	225.000	225.000	225.000	225.000	225.000	225.000	225.000	225.000	225.000	225.000	225.000

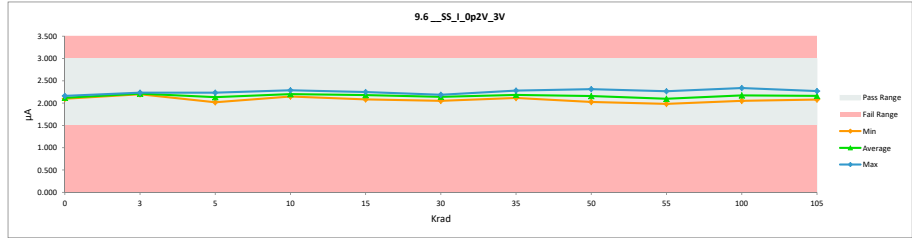


HDR TID Report  
POLARIS - TPS7H4001-SP

9.6_SS_I_0p2V_3V				
Test Site	Tester	Unit	µA	
Test Number	3	µA	3	
Max Limit	1.5	µA	1.5	
Min Limit	1.5	µA	1.5	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	2.097	2.099	0.002
0	140	2.161	2.163	0.002
0	141	2.097	2.098	0.001
0	142	2.122	2.123	0.001
3	1	2.206	2.199	-0.007
3	3	2.239	2.235	-0.004
3	4	2.209	2.209	0.000
3	5	2.205	2.201	-0.004
3	6	2.214	2.212	-0.002
5	173	2.025	2.018	-0.007
5	174	2.172	2.170	-0.002
5	175	2.140	2.136	-0.004
5	176	2.236	2.233	-0.003
5	177	2.218	2.216	-0.002
10	7	2.220	2.215	-0.005
10	8	2.158	2.150	-0.008
10	9	2.163	2.157	-0.006
10	10	2.290	2.288	-0.002
10	11	2.199	2.196	-0.003
15	178	2.250	2.249	-0.001
15	179	2.235	2.239	0.004
15	180	2.220	2.215	-0.005
15	181	2.087	2.082	-0.005
15	182	2.123	2.120	-0.003
30	14	2.051	2.052	0.001
30	15	2.185	2.188	0.003
30	20	2.131	2.124	-0.007
30	21	2.154	2.158	0.004
30	23	2.190	2.183	-0.007
35	183	2.282	2.280	-0.002
35	184	2.165	2.155	-0.010
35	219	2.119	2.117	-0.002
35	220	2.181	2.177	-0.004
35	221	2.194	2.184	-0.010
50	25	2.243	2.235	-0.008
50	26	2.038	2.028	-0.010
50	27	2.317	2.312	-0.005
50	29	2.127	2.118	-0.009
50	30	2.109	2.106	-0.003
55	222	2.077	2.059	-0.018
55	223	2.143	2.130	-0.013
55	224	2.060	2.054	-0.006
55	226	2.000	1.985	-0.015
55	227	2.269	2.268	-0.001
100	31	2.253	2.257	0.004
100	32	2.091	2.086	-0.005
100	33	2.183	2.189	0.006
100	35	2.342	2.334	-0.008
100	36	2.173	2.171	-0.002
100	37	2.179	2.179	0.000
100	38	2.166	2.154	-0.012
100	39	2.061	2.068	0.007
100	41	2.052	2.051	-0.001
100	42	2.348	2.340	-0.008
100	55	2.176	2.183	0.007
100	56	2.182	2.177	-0.005
100	57	2.087	2.086	-0.001
100	58	2.082	2.086	0.004
100	59	2.247	2.249	0.002
100	60	2.297	2.287	-0.010
100	61	2.134	2.128	-0.006
100	62	2.102	2.086	-0.016
100	63	2.210	2.197	-0.013
100	64	2.174	2.170	-0.004
100	66	2.114	2.102	-0.012
100	67	2.241	2.243	0.002
105	228	2.283	2.271	-0.012
105	229	2.153	2.160	0.007
105	230	2.221	2.217	-0.004
105	231	2.103	2.080	-0.023
105	232	2.108	2.091	-0.017
Max		2.348	2.340	0.007
Average		2.169	2.164	-0.004
Min		2.000	1.985	-0.023
Std Dev		0.077	0.078	0.006

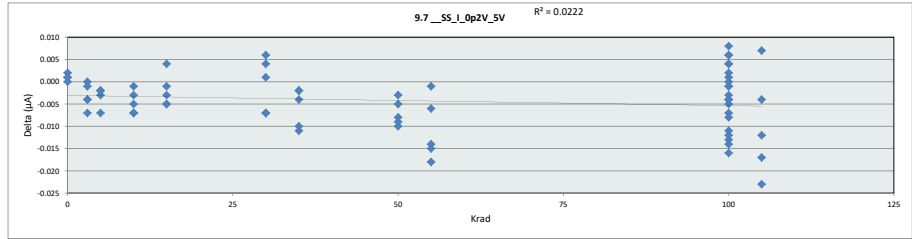


9.6_SS_I_0p2V_3V											
Test Site	Tester	Unit	µA	µA	µA	µA	µA	µA	µA	µA	µA
Test Number	3	µA	3	µA	3	µA	3	µA	3	µA	3
Max Limit	1.5	µA	1.5	µA	1.5	µA	1.5	µA	1.5	µA	1.5
Min Limit	1.5	µA	1.5	µA	1.5	µA	1.5	µA	1.5	µA	1.5
Krad	LL	Min	Average	Max	UL	Krad	LL	Min	Average	Max	UL
0	1.500	2.098	2.121	2.163	3.000	0	1.500	2.098	2.121	2.163	3.000
3	1.500	2.199	2.211	2.235	3.000	3	1.500	2.199	2.211	2.235	3.000
5	1.500	2.018	2.135	2.201	3.000	5	1.500	2.018	2.135	2.201	3.000
10	1.500	2.150	2.201	2.288	3.000	10	1.500	2.150	2.201	2.288	3.000
15	1.500	2.082	2.181	2.249	3.000	15	1.500	2.082	2.181	2.249	3.000
30	1.500	2.052	2.141	2.249	3.000	30	1.500	2.052	2.141	2.249	3.000
35	1.500	2.117	2.183	2.188	3.000	35	1.500	2.117	2.183	2.188	3.000
50	1.500	2.028	2.160	2.280	3.000	50	1.500	2.028	2.160	2.280	3.000
55	1.500	1.985	2.099	2.268	3.000	55	1.500	1.985	2.099	2.268	3.000
100	1.500	2.051	2.174	2.340	3.000	100	1.500	2.051	2.174	2.340	3.000
105	1.500	2.080	2.271	2.340	3.000	105	1.500	2.080	2.271	2.340	3.000

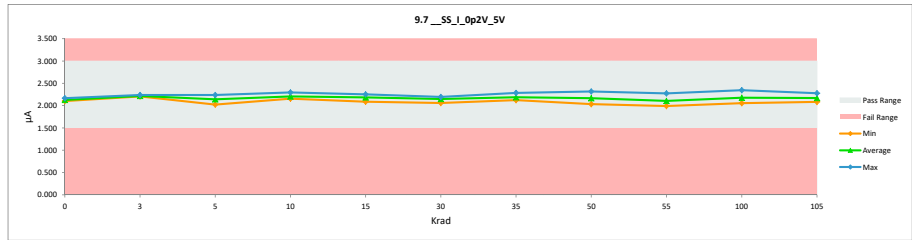


HDR TID Report  
POLARIS - TPS7H4001-SP

9.7_SS_I_0p2V_5V				
Test Site	Tester	Test Number	Unit	Min Limit
			µA	3
			µA	3
			µA	1.5
			µA	1.5
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	2.102	2.103	0.001
0	140	2.166	2.168	0.002
0	141	2.102	2.102	0.000
0	142	2.127	2.128	0.001
3	1	2.211	2.204	-0.007
3	3	2.243	2.239	-0.004
3	4	2.214	2.214	0.000
3	5	2.210	2.206	-0.004
3	6	2.219	2.218	-0.001
5	173	2.030	2.023	-0.007
5	174	2.178	2.176	-0.002
5	175	2.145	2.142	-0.003
5	176	2.241	2.239	-0.002
5	177	2.123	2.121	-0.002
10	7	2.225	2.220	-0.005
10	8	2.162	2.155	-0.007
10	9	2.168	2.161	-0.007
10	10	2.295	2.294	-0.001
10	11	2.204	2.201	-0.003
15	178	2.255	2.254	-0.001
15	179	2.239	2.243	0.004
15	180	2.225	2.220	-0.005
15	181	2.092	2.087	-0.005
15	182	2.128	2.125	-0.003
30	14	2.056	2.057	0.001
30	15	2.190	2.196	0.006
30	20	2.136	2.129	-0.007
30	21	2.159	2.163	0.004
30	23	2.195	2.188	-0.007
35	183	2.287	2.285	-0.002
35	184	2.170	2.159	-0.011
35	219	2.124	2.122	-0.002
35	220	2.185	2.181	-0.004
35	221	2.199	2.189	-0.010
50	25	2.248	2.240	-0.008
50	26	2.043	2.033	-0.010
50	27	2.322	2.317	-0.005
50	29	2.131	2.122	-0.009
50	30	2.114	2.111	-0.003
55	222	2.082	2.064	-0.018
55	223	2.148	2.134	-0.014
55	224	2.064	2.058	-0.006
55	226	2.004	1.989	-0.015
55	227	2.274	2.273	-0.001
100	31	2.258	2.262	0.004
100	32	2.095	2.091	-0.004
100	33	2.188	2.194	0.006
100	35	2.347	2.339	-0.008
100	36	2.178	2.175	-0.003
100	37	2.183	2.183	0.000
100	38	2.171	2.158	-0.013
100	39	2.065	2.073	0.008
100	41	2.057	2.056	-0.001
100	42	2.352	2.345	-0.007
100	55	2.182	2.188	0.006
100	56	2.187	2.183	-0.004
100	57	2.092	2.091	-0.001
100	58	2.087	2.091	0.004
100	59	2.253	2.254	0.001
100	60	2.303	2.292	-0.011
100	61	2.139	2.134	-0.005
100	62	2.107	2.091	-0.016
100	63	2.215	2.201	-0.014
100	64	2.179	2.175	-0.004
100	66	2.119	2.107	-0.012
100	67	2.246	2.248	0.002
105	228	2.288	2.276	-0.012
105	229	2.158	2.165	0.007
105	230	2.226	2.222	-0.004
105	231	2.108	2.085	-0.023
105	232	2.112	2.095	-0.017
	Max	2.352	2.345	0.008
	Average	2.174	2.169	-0.004
	Min	2.004	1.989	-0.023
	Std Dev	0.077	0.078	0.006

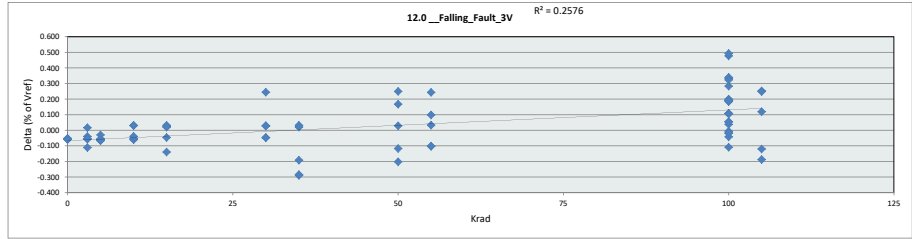


9.7_SS_I_0p2V_5V										
Test Site	Tester	Test Number	Unit	Min Limit						
			µA	3						
			µA	3						
			µA	1.5						
			µA	1.5						
Krad	LL	Min	Average	Max	UL					
0	1.500	2.102	2.125	2.168	3.000					
3	1.500	2.204	2.216	2.239	3.000					
5	1.500	2.023	2.140	2.239	3.000					
10	1.500	2.155	2.206	2.294	3.000					
15	1.500	2.087	2.186	2.254	3.000					
30	1.500	2.057	2.147	2.196	3.000					
35	1.500	2.122	2.187	2.285	3.000					
50	1.500	2.033	2.165	2.317	3.000					
55	1.500	1.989	2.104	2.273	3.000					
100	1.500	2.056	2.179	2.345	3.000					
105	1.500	2.085	2.169	2.276	3.000					

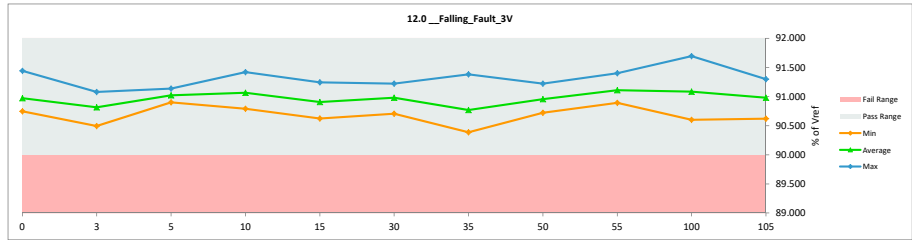


HDR TID Report  
POLARIS - TPS7H4001-SP

12.0_Falling_Fault_3V				
Test Site	Tester	Test Number	Unit	Max Limit
			% of Vref	% of Vref
			90	90
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	90.974	90.922	-0.052
0	140	90.803	90.747	-0.056
0	141	91.501	91.442	-0.059
0	142	90.832	90.773	-0.059
3	1	90.533	90.493	-0.040
3	3	90.792	90.681	-0.111
3	4	91.061	91.078	0.017
3	5	90.995	90.941	-0.054
3	6	90.944	90.886	-0.057
5	173	91.048	90.993	-0.055
5	174	91.203	91.136	-0.067
5	175	91.141	91.084	-0.057
5	176	90.929	90.899	-0.029
5	177	91.063	90.998	-0.065
10	7	91.055	90.994	-0.061
10	8	91.118	91.148	0.030
10	9	91.473	91.419	-0.053
10	10	90.830	90.791	-0.039
10	11	90.942	90.974	0.032
15	178	90.668	90.622	-0.046
15	179	91.223	91.244	0.021
15	180	91.020	90.881	-0.139
15	181	90.834	90.866	0.032
15	182	90.891	90.913	0.022
30	14	90.911	90.941	0.030
30	15	90.753	90.706	-0.046
30	20	90.999	91.025	0.026
30	21	91.052	91.004	-0.048
30	23	90.978	91.222	0.244
35	183	90.675	90.385	-0.290
35	184	90.919	90.727	-0.192
35	219	90.902	90.618	-0.284
35	220	90.695	90.727	0.032
35	221	91.359	91.380	0.021
50	25	91.061	90.944	-0.117
50	26	90.782	90.950	0.168
50	27	90.915	90.944	0.029
50	29	90.972	91.221	0.249
50	30	90.925	90.722	-0.202
55	222	91.159	91.401	0.243
55	223	91.022	90.920	-0.102
55	224	91.288	91.387	0.098
55	226	90.919	90.952	0.033
55	227	90.993	90.891	-0.102
100	31	90.942	91.133	0.191
100	32	90.664	90.864	0.200
100	33	90.679	91.155	0.477
100	35	90.732	90.785	0.053
100	36	90.728	90.835	0.106
100	37	91.032	91.141	0.109
100	38	90.978	90.868	-0.109
100	39	91.197	91.530	0.333
100	41	90.913	91.017	0.104
100	42	91.105	91.143	0.038
100	55	90.993	90.975	-0.018
100	56	91.055	91.239	0.184
100	57	90.743	91.083	0.340
100	58	91.203	91.695	0.492
100	59	90.606	90.600	-0.006
100	60	90.913	91.106	0.193
100	61	91.197	91.155	-0.042
100	62	90.911	91.100	0.188
100	63	90.913	90.895	-0.019
100	64	91.223	91.546	0.323
100	66	90.695	90.750	0.055
100	67	90.933	91.215	0.283
105	228	90.999	90.811	-0.187
105	229	91.050	91.168	0.119
105	230	91.045	91.298	0.253
105	231	90.740	90.619	-0.120
105	232	90.751	90.999	0.249
	Max	91.501	91.695	0.492
	Average	90.959	90.996	0.037
	Min	90.533	90.385	-0.290
	Std Dev	0.194	0.256	0.160

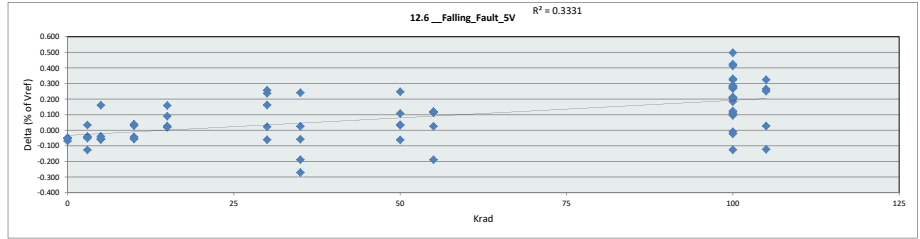


12.0_Falling_Fault_3V																
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit	90	90	90	90	90						
						% of Vref	% of Vref	% of Vref	% of Vref	% of Vref						
						90	90	90	90	90						
Krad	LL	Min	Average	Max	UL	0	3	5	10	15	30	35	50	55	100	105
0	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000
3	90.747	90.493	90.899	90.792	90.622	90.707	90.385	90.722	90.891	90.600	90.619					
5	90.971	90.816	91.022	91.065	91.244	91.222										
10	91.442	91.078	91.136	91.419	91.244											
15																
30																
35																
50																
55																
100																
105																

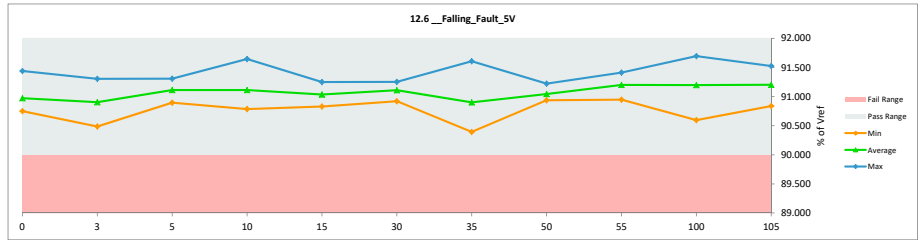


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12.6_Falling_Fault_5V				
Test Site	Tester	Test Number	Unit	Max Limit
			% of Vref	% of Vref
			90	90
			Min Limit	
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	90.974	90.921	-0.053
0	140	90.797	90.749	-0.048
0	141	91.506	91.438	-0.068
0	142	90.830	90.780	-0.050
3	1	90.525	90.485	-0.040
3	3	91.016	90.890	-0.126
3	4	91.272	91.305	0.034
3	5	90.599	90.949	-0.050
3	6	90.933	90.890	-0.043
5	173	91.059	91.220	0.161
5	174	91.199	91.140	-0.059
5	175	91.363	91.307	-0.055
5	176	90.934	90.896	-0.039
5	177	91.055	91.002	-0.053
10	7	91.054	91.000	-0.053
10	8	91.119	91.149	0.030
10	9	91.686	91.644	-0.042
10	10	90.839	90.784	-0.055
10	11	90.938	90.977	0.039
15	178	90.671	90.830	0.159
15	179	91.230	91.249	0.019
15	180	91.016	91.107	0.091
15	181	91.048	91.074	0.026
15	182	90.891	90.913	0.022
30	14	91.141	91.163	0.023
30	15	90.758	90.921	0.162
30	20	90.995	91.251	0.256
30	21	91.057	90.996	-0.061
30	23	90.979	91.216	0.237
35	183	90.664	90.393	-0.271
35	184	90.915	90.941	0.026
35	219	90.889	90.832	-0.057
35	220	90.919	90.730	-0.188
35	221	91.365	91.606	0.241
50	25	91.059	91.166	0.107
50	26	90.997	90.935	-0.062
50	27	90.911	90.946	0.035
50	29	90.974	91.221	0.247
50	30	90.919	90.952	0.033
55	222	91.385	91.411	0.026
55	223	91.018	91.133	0.115
55	224	91.281	91.396	0.115
55	226	91.137	90.948	-0.189
55	227	90.991	91.112	0.120
100	31	90.934	91.358	0.424
100	32	90.879	91.091	0.212
100	33	90.673	91.170	0.497
100	35	90.728	90.996	0.267
100	36	90.740	90.835	0.095
100	37	91.040	91.147	0.107
100	38	91.203	91.077	-0.126
100	39	91.417	91.527	0.110
100	41	90.909	91.032	0.123
100	42	91.094	91.368	0.274
100	55	90.988	90.979	-0.009
100	56	91.050	91.250	0.200
100	57	90.751	91.081	0.330
100	58	91.424	91.695	0.271
100	59	90.618	90.595	-0.023
100	60	90.915	91.329	0.413
100	61	91.201	91.385	0.184
100	62	91.123	91.333	0.210
100	63	90.906	91.112	0.206
100	64	91.221	91.544	0.323
100	66	90.688	90.975	0.287
100	67	91.155	91.435	0.280
105	228	91.001	91.028	0.027
105	229	91.065	91.389	0.324
105	230	91.259	91.523	0.264
105	231	90.960	90.839	-0.122
105	232	90.978	91.229	0.251
	Average	91.686	91.695	0.497
	Max	91.017	91.103	0.085
	Min	90.525	90.393	-0.271
	Std Dev	0.217	0.264	0.160

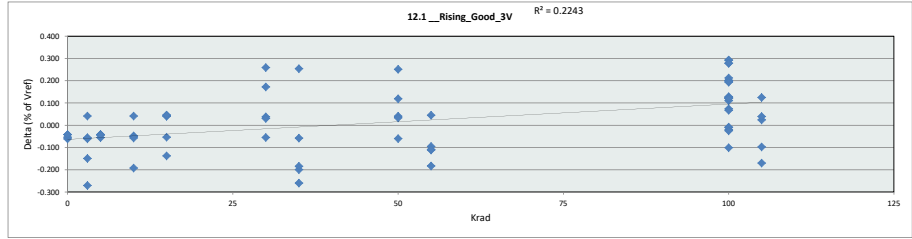


12.6_Falling_Fault_5V															
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit	90	5	10	15	30	35	50	55	100	105
						% of Vref	% of Vref								
LL				90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000
Min				90.749	90.485	90.896	90.784	90.830	90.921	90.393	90.935	90.948	90.595	90.839	90.839
Average				90.972	90.904	91.113	91.111	91.035	91.110	90.900	91.044	91.200	91.196	91.201	91.201
Max				91.438	91.306	91.307	91.644	91.249	91.251	91.606	91.221	91.411	91.695	91.523	91.523
UL															

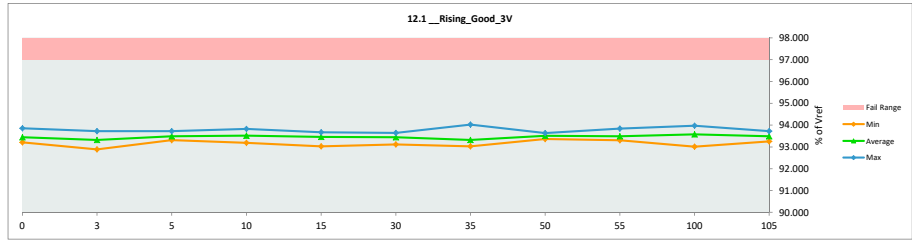


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12.1_Rising_Good_3V				
Test Site				
Tester				
Test Number				
Unit	% of Vref	% of Vref		
Max Limit	97	97		
Min Limit				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	93.382	93.340	-0.042
0	140	93.451	93.389	-0.061
0	141	93.906	93.852	-0.053
0	142	93.248	93.206	-0.042
3	1	92.949	92.888	-0.061
3	3	93.451	93.302	-0.149
3	4	93.684	93.726	0.042
3	5	93.425	93.369	-0.055
3	6	93.587	93.317	-0.270
5	173	93.468	93.426	-0.042
5	174	93.598	93.554	-0.044
5	175	93.766	93.724	-0.042
5	176	93.365	93.309	-0.056
5	177	93.464	93.422	-0.042
10	7	93.688	93.640	-0.048
10	8	93.518	93.560	0.041
10	9	93.875	93.824	-0.051
10	10	93.248	93.191	-0.057
10	11	93.581	93.389	-0.192
15	178	93.081	93.028	-0.053
15	179	93.626	93.672	0.046
15	180	93.668	93.530	-0.138
15	181	93.466	93.506	0.040
15	182	93.514	93.560	0.045
30	14	93.334	93.371	0.038
30	15	93.168	93.113	-0.055
30	20	93.415	93.446	0.030
30	21	93.470	93.642	0.172
30	23	93.382	93.642	0.259
35	183	93.085	93.028	-0.057
35	184	93.337	93.138	-0.199
35	219	93.516	93.257	-0.260
35	220	93.328	93.144	-0.184
35	221	93.766	94.021	0.255
50	25	93.471	93.591	0.119
50	26	93.423	93.363	-0.060
50	27	93.540	93.581	0.041
50	29	93.382	93.633	0.251
50	30	93.330	93.363	0.033
55	222	93.798	93.843	0.045
55	223	93.458	93.347	-0.111
55	224	93.682	93.587	-0.095
55	226	93.546	93.363	-0.183
55	227	93.415	93.307	-0.109
100	31	93.589	93.784	0.195
100	32	93.087	93.289	0.201
100	33	93.299	93.591	0.292
100	35	93.347	93.421	0.074
100	36	93.136	93.258	0.122
100	37	93.654	93.779	0.125
100	38	93.382	93.281	-0.101
100	39	93.820	93.941	0.122
100	41	93.341	93.452	0.110
100	42	93.705	93.773	0.068
100	55	93.408	93.400	-0.008
100	56	93.471	93.684	0.213
100	57	93.380	93.509	0.128
100	58	93.606	93.899	0.293
100	59	93.028	93.008	-0.020
100	60	93.553	93.755	0.202
100	61	93.818	93.807	-0.011
100	62	93.565	93.759	0.194
100	63	93.334	93.309	-0.025
100	64	93.850	93.970	0.120
100	66	93.115	93.394	0.279
100	67	93.368	93.647	0.279
105	228	93.632	93.462	-0.170
105	229	93.470	93.594	0.125
105	230	93.700	93.724	0.024
105	231	93.351	93.254	-0.097
105	232	93.384	93.423	0.039
	Max	93.906	94.021	0.293
	Average	93.468	93.488	0.020
	Min	92.949	92.888	-0.270
	Std Dev	0.210	0.249	0.138



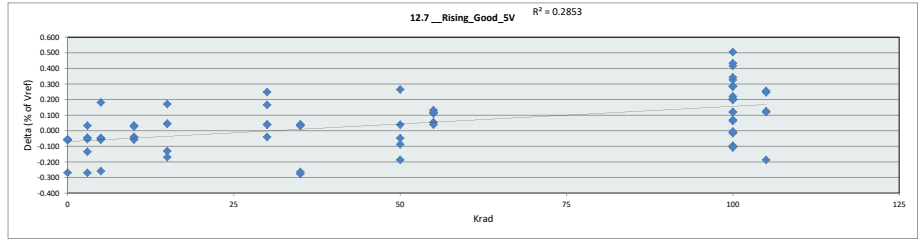
12.1_Rising_Good_3V											
Test Site											
Tester											
Test Number											
Max Limit	97	% of Vref									
Min Limit		% of Vref									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	93.206	92.888	93.309	93.191	93.028	93.113	93.028	93.363	93.307	93.008	93.254
Average	93.447	93.320	93.487	93.521	93.459	93.443	93.317	93.506	93.489	93.578	93.492
Max	93.852	93.726	93.724	93.824	93.672	93.642	94.021	93.634	93.843	93.970	93.724
UL	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000



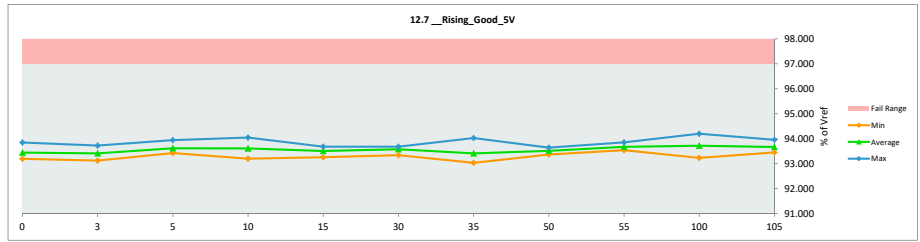


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12.7_Rising_Good_5V				
Test Site	Tester	Test Number	Unit	Min Limit
			% of Vref	97
			% of Vref	97
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	93.602	93.333	-0.269
0	140	93.454	93.401	-0.054
0	141	93.904	93.845	-0.059
0	142	93.252	93.191	-0.061
3	1	93.161	93.117	-0.044
3	3	93.447	93.313	-0.134
3	4	93.689	93.722	0.032
3	5	93.636	93.366	-0.270
3	6	93.585	93.532	-0.054
5	173	93.686	93.636	-0.050
5	174	93.596	93.550	-0.046
5	175	93.760	93.942	0.181
5	176	93.587	93.530	-0.057
5	177	93.680	93.422	-0.258
10	7	93.678	93.640	-0.038
10	8	93.518	93.552	0.034
10	9	94.100	94.045	-0.055
10	10	93.250	93.195	-0.055
10	11	93.585	93.612	0.027
15	178	93.083	93.255	0.172
15	179	93.846	93.677	-0.169
15	180	93.662	93.532	-0.130
15	181	93.466	93.511	0.045
15	182	93.511	93.556	0.045
30	14	93.552	93.591	0.040
30	15	93.174	93.340	0.166
30	20	93.636	93.675	0.040
30	21	93.682	93.642	-0.040
30	23	93.380	93.629	0.248
35	183	93.306	93.030	-0.277
35	184	93.337	93.369	0.032
35	219	93.520	93.257	-0.263
35	220	93.326	93.366	0.040
35	221	93.986	94.026	0.040
50	25	93.684	93.596	-0.088
50	26	93.415	93.369	-0.047
50	27	93.544	93.583	0.039
50	29	93.377	93.641	0.264
50	30	93.548	93.361	-0.187
55	222	93.797	93.851	0.054
55	223	93.458	93.568	0.110
55	224	93.682	93.815	0.133
55	226	93.548	93.587	0.039
55	227	93.415	93.535	0.119
100	31	93.576	94.009	0.433
100	32	93.316	93.514	0.198
100	33	93.301	93.805	0.505
100	35	93.351	93.637	0.286
100	36	93.351	93.254	-0.097
100	37	93.656	93.775	0.119
100	38	93.604	93.507	-0.097
100	39	93.823	94.150	0.327
100	41	93.567	93.459	-0.107
100	42	93.711	93.775	0.064
100	55	93.630	93.624	-0.006
100	56	93.682	93.903	0.221
100	57	93.379	93.499	0.121
100	58	93.829	94.112	0.283
100	59	93.246	93.230	-0.016
100	60	93.553	93.757	0.204
100	61	93.822	93.811	-0.011
100	62	93.568	93.985	0.416
100	63	93.330	93.535	0.205
100	64	93.852	94.195	0.343
100	66	93.330	93.400	0.070
100	67	93.581	93.867	0.285
105	228	93.636	93.449	-0.187
105	229	93.682	93.807	0.125
105	230	93.707	93.953	0.246
105	231	93.349	93.470	0.120
105	232	93.388	93.643	0.255
	Max	94.100	94.195	0.505
	Average	93.548	93.598	0.049
	Min	93.083	93.030	-0.277
	Std Dev	0.202	0.255	0.174

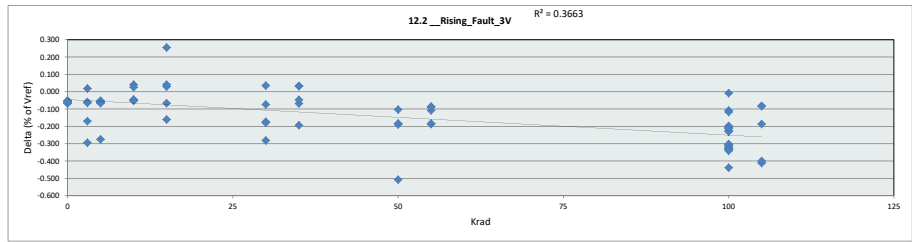


12.7_Rising_Good_5V											
Test Site	Tester	Test Number	Unit	Min Limit	Max Limit						
			% of Vref	97	97						
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	93.191	93.117	93.422	93.195	93.255	93.340	93.030	93.361	93.535	93.230	93.449
Min	93.442	93.410	93.616	93.609	93.506	93.575	93.410	93.510	93.671	93.718	93.664
Average	93.845	93.722	93.942	94.045	93.677	93.676	94.026	93.641	93.851	94.195	93.953
Max	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000
UL											

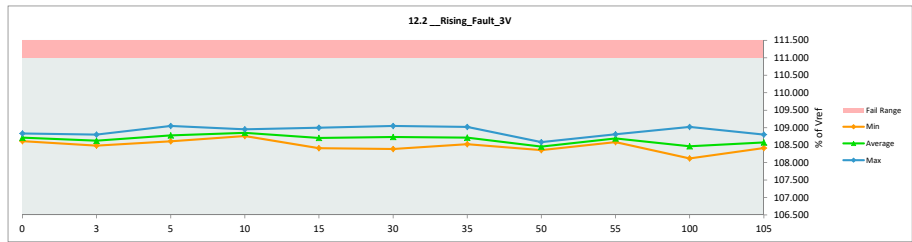


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12.2_Rising_Fault_3V				
Test Site	Tester	Test Number	Unit	Min Limit
			% of Vref	111
			% of Vref	111
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	108.796	108.745	-0.051
0	140	108.723	108.655	-0.068
0	141	108.678	108.615	-0.062
0	142	108.890	108.835	-0.055
3	1	108.578	108.520	-0.059
3	3	108.950	108.780	-0.170
3	4	108.469	108.487	0.018
3	5	108.867	108.803	-0.064
3	6	108.852	108.557	-0.294
5	173	109.102	109.049	-0.053
5	174	108.792	108.738	-0.055
5	175	108.986	108.711	-0.275
5	176	108.844	108.782	-0.063
5	177	108.674	108.608	-0.066
10	7	108.888	108.842	-0.046
10	8	108.911	108.952	0.041
10	9	108.812	108.761	-0.051
10	10	108.890	108.837	-0.053
10	11	108.854	108.880	0.026
15	178	108.478	108.412	-0.066
15	179	108.427	108.682	0.255
15	180	109.159	108.998	-0.161
15	181	108.463	108.493	0.029
15	182	108.909	108.950	0.041
30	14	108.989	108.816	-0.174
30	15	108.794	108.512	-0.282
30	20	109.082	108.902	-0.179
30	21	108.462	108.388	-0.074
30	23	109.016	109.051	0.035
35	183	108.596	108.528	-0.068
35	184	108.995	108.801	-0.194
35	219	108.689	108.642	-0.047
35	220	108.555	108.588	0.033
35	221	108.991	109.023	0.032
50	25	108.462	108.358	-0.104
50	26	108.871	108.363	-0.507
50	27	108.768	108.578	-0.190
50	29	108.578	108.395	-0.184
50	30	108.771	108.585	-0.186
55	222	108.846	108.660	-0.186
55	223	108.731	108.623	-0.107
55	224	108.896	108.809	-0.086
55	226	108.771	108.587	-0.184
55	227	108.871	108.783	-0.088
100	31	108.631	108.406	-0.225
100	32	108.819	108.613	-0.206
100	33	108.697	108.369	-0.328
100	35	108.718	108.389	-0.329
100	36	108.497	108.195	-0.302
100	37	108.604	108.296	-0.308
100	38	108.576	108.270	-0.307
100	39	108.573	108.262	-0.310
100	41	109.341	109.022	-0.319
100	42	108.846	108.737	-0.109
100	55	108.658	108.650	-0.008
100	56	108.884	108.687	-0.198
100	57	108.575	108.266	-0.309
100	58	108.800	108.683	-0.117
100	59	108.672	108.461	-0.211
100	60	108.563	108.332	-0.230
100	61	108.794	108.356	-0.438
100	62	108.889	108.678	-0.211
100	63	108.327	108.117	-0.211
100	64	108.656	108.332	-0.324
100	66	108.986	108.652	-0.334
100	67	108.852	108.511	-0.340
105	228	108.649	108.463	-0.186
105	229	108.886	108.804	-0.082
105	230	109.014	108.602	-0.412
105	231	108.499	108.416	-0.083
105	232	109.007	108.607	-0.400
	Max	109.341	109.051	0.255
	Average	108.771	108.618	-0.153
	Min	108.327	108.117	-0.507
	Std Dev	0.197	0.222	0.140

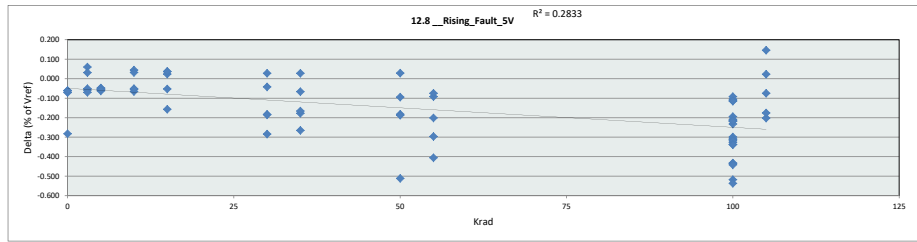


12.2_Rising_Fault_3V																
Test Site	Tester	Test Number	Unit	Min Limit	Max Limit	0	3	5	10	15	30	35	50	55	100	105
			% of Vref	111	111											
LL																
Min						108.615	108.487	108.608	108.761	108.412	108.388	108.528	108.358	108.587	108.117	108.416
Average						108.713	108.629	108.777	108.854	108.707	108.734	108.716	108.456	108.692	108.467	108.578
Max						108.835	108.803	109.049	108.952	108.998	109.051	109.023	108.585	108.809	109.022	108.804
UL						111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000

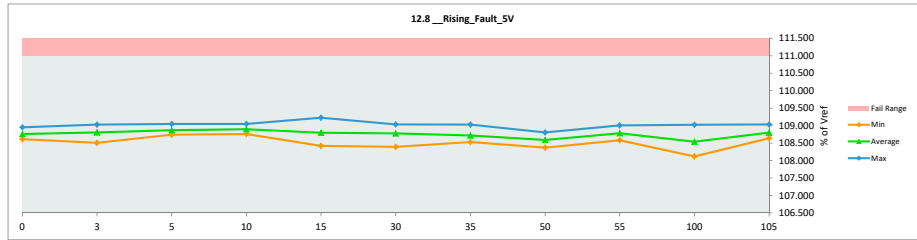


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12.8_Rising_Fault_5V				
Test Site	Tester	Test Number	Unit	Min Limit
			% of Vref	111
			% of Vref	111
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	109.012	108.952	-0.060
0	140	108.725	108.653	-0.072
0	141	108.676	108.613	-0.062
0	142	109.108	108.826	-0.282
3	1	108.569	108.510	-0.059
3	3	108.946	109.006	0.060
3	4	108.676	108.707	0.031
3	5	109.082	109.030	-0.051
3	6	108.848	108.728	-0.070
5	173	109.102	109.047	-0.055
5	174	108.791	108.741	-0.049
5	175	108.990	108.942	-0.048
5	176	108.848	108.785	-0.063
5	177	108.892	108.835	-0.057
10	7	108.896	108.829	-0.066
10	8	108.914	108.959	0.045
10	9	108.815	108.761	-0.055
10	10	109.100	109.049	-0.051
10	11	108.850	108.881	0.032
15	178	108.474	108.421	-0.053
15	179	108.656	108.680	0.024
15	180	109.384	109.227	-0.157
15	181	108.666	108.703	0.037
15	182	108.911	108.948	0.037
30	14	108.993	108.810	-0.183
30	15	108.787	108.745	-0.042
30	20	109.085	108.900	-0.185
30	21	108.679	108.395	-0.284
30	23	109.008	109.036	0.028
35	183	108.596	108.530	-0.066
35	184	108.988	108.810	-0.177
35	219	108.909	108.644	-0.265
35	220	108.561	108.588	0.028
35	221	109.196	109.030	-0.166
50	25	108.465	108.371	-0.094
50	26	109.095	108.584	-0.511
50	27	108.988	108.806	-0.182
50	29	108.576	108.389	-0.188
50	30	108.775	108.804	0.029
55	222	108.854	108.652	-0.201
55	223	108.948	108.856	-0.092
55	224	109.108	108.811	-0.297
55	226	108.988	108.582	-0.406
55	227	109.082	109.007	-0.075
100	31	108.846	108.629	-0.217
100	32	109.046	108.829	-0.217
100	33	108.699	108.584	-0.115
100	35	108.947	108.620	-0.326
100	36	108.505	108.206	-0.299
100	37	108.815	108.298	-0.518
100	38	108.798	108.488	-0.310
100	39	108.794	108.484	-0.310
100	41	109.563	109.026	-0.537
100	42	108.846	108.741	-0.105
100	55	108.860	108.665	-0.194
100	56	108.896	108.687	-0.209
100	57	108.580	108.488	-0.092
100	58	108.796	108.683	-0.113
100	59	108.896	108.463	-0.433
100	60	108.563	108.330	-0.232
100	61	108.798	108.363	-0.435
100	62	108.898	108.680	-0.218
100	63	108.559	108.117	-0.442
100	64	108.660	108.341	-0.318
100	66	108.995	108.658	-0.337
100	67	108.846	108.507	-0.339
105	228	108.656	108.679	0.023
105	229	109.108	109.033	-0.075
105	230	109.021	108.820	-0.202
105	231	108.497	108.643	0.146
105	232	109.010	108.834	-0.176
	Max	109.563	109.227	0.146
	Average	108.861	108.706	-0.155
	Min	108.465	108.117	-0.537
	Std Dev	0.212	0.229	0.154



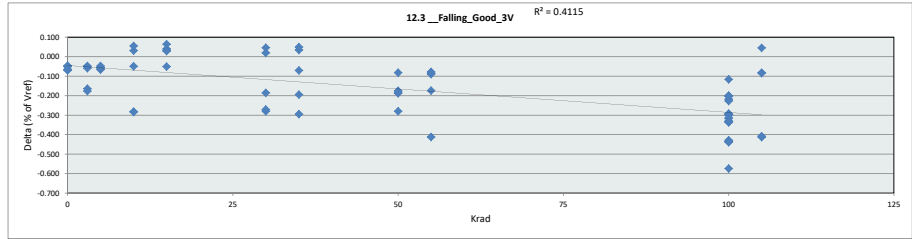
12.8_Rising_Fault_5V											
Test Site	Tester	Test Number	Unit	Min Limit	Max Limit						
			% of Vref	111	111						
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	108.613	108.511	108.741	108.761	108.421	108.395	108.530	108.371	108.582	108.117	108.643
Min	108.613	108.511	108.741	108.761	108.421	108.395	108.530	108.371	108.582	108.117	108.643
Average	108.761	108.806	108.870	108.896	108.796	108.777	108.721	108.591	108.782	108.540	108.802
Max	108.952	109.082	109.047	109.049	109.227	109.036	109.030	108.806	109.007	109.026	109.033
UL	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000



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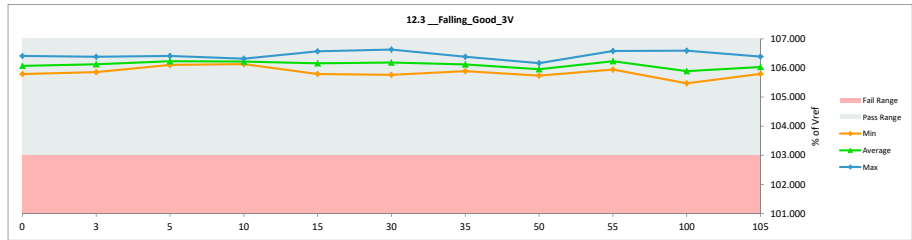
12.3_Falling_Good_3V	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	% of Vref
Min Limit	103

Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	106.153	106.102	-0.051
0	140	105.862	105.792	-0.070
0	141	106.023	105.977	-0.046
0	142	106.478	106.413	-0.064
3	1	105.936	105.884	-0.051
3	3	106.511	106.347	-0.164
3	4	106.034	105.858	-0.176
3	5	106.445	106.386	-0.059
3	6	106.193	106.146	-0.048
5	173	106.478	106.411	-0.066
5	174	106.153	106.106	-0.047
5	175	106.348	106.291	-0.057
5	176	106.195	106.138	-0.057
5	177	106.250	106.195	-0.055
10	7	106.250	106.201	-0.049
10	8	106.285	106.316	0.031
10	9	106.415	106.132	-0.283
10	10	106.478	106.195	-0.282
10	11	106.189	106.245	0.055
15	178	105.839	105.788	-0.051
15	179	106.012	106.052	0.040
15	180	106.506	106.570	0.064
15	181	106.036	106.069	0.033
15	182	106.291	106.320	0.029
30	14	106.355	106.170	-0.185
30	15	106.165	105.886	-0.280
30	20	106.497	106.483	0.014
30	21	106.032	105.761	-0.271
30	23	106.609	106.629	0.020
35	183	105.957	105.887	-0.070
35	184	106.349	106.384	0.035
35	219	106.298	106.004	-0.295
35	220	105.908	105.957	0.049
35	221	106.573	106.379	-0.194
50	25	105.816	105.734	-0.082
50	26	106.228	105.949	-0.280
50	27	106.351	106.163	-0.188
50	29	105.934	105.759	-0.175
50	30	106.348	106.165	-0.183
55	222	106.412	106.238	-0.174
55	223	106.291	106.213	-0.078
55	224	106.252	106.163	-0.089
55	226	106.357	105.945	-0.412
55	227	106.665	106.580	-0.085
100	31	106.193	105.755	-0.438
100	32	106.386	106.168	-0.219
100	33	106.289	105.952	-0.337
100	35	106.311	105.977	-0.334
100	36	105.871	105.579	-0.292
100	37	105.965	105.666	-0.300
100	38	106.166	105.852	-0.315
100	39	106.163	105.865	-0.298
100	41	106.887	106.593	-0.294
100	42	106.220	106.103	-0.116
100	55	106.217	106.018	-0.200
100	56	106.254	106.051	-0.203
100	57	106.157	105.857	-0.300
100	58	106.382	106.048	-0.335
100	59	106.029	105.825	-0.203
100	60	106.135	105.698	-0.437
100	61	106.157	105.728	-0.429
100	62	106.241	106.014	-0.227
100	63	105.909	105.474	-0.436
100	64	106.003	105.687	-0.316
100	66	106.349	106.019	-0.330
100	67	106.201	105.627	-0.573
105	228	106.006	106.051	0.045
105	229	106.470	106.387	-0.083
105	230	106.359	105.946	-0.413
105	231	105.878	105.795	-0.084
105	232	106.382	105.975	-0.408
105	Max	106.887	106.629	0.064
105	Average	106.229	106.058	-0.172
105	Min	105.816	105.474	-0.573
105	Std Dev	0.217	0.261	0.154



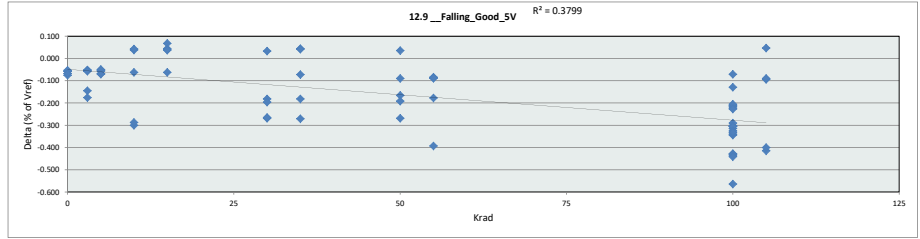
12.3_Falling_Good_3V	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	% of Vref
Min Limit	103

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000
Min	105.792	105.858	106.106	106.132	105.788	105.761	105.887	105.734	105.945	105.474	105.795
Average	106.071	106.124	106.228	106.218	106.160	106.186	106.122	105.954	106.228	105.889	106.031
Max	106.413	106.386	106.412	106.316	106.570	106.629	106.384	106.165	106.580	106.593	106.387
UL											

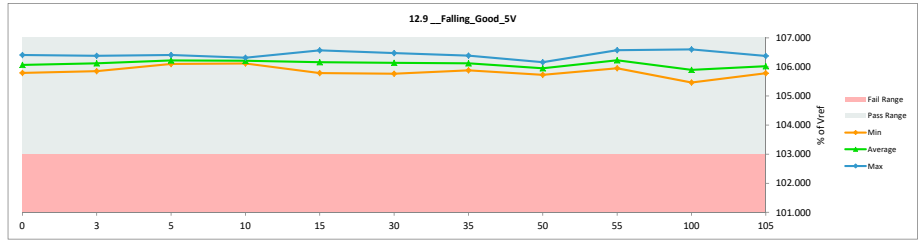


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12.9_Falling_Good_5V			
Test Site	Tester	Test Number	Unit
Max Limit	Min Limit	% of Vref	% of Vref
Krad	Serial #	PRE HDR	POST HDR
0	139	106.163	106.087
0	140	105.853	105.794
0	141	106.032	105.979
0	142	106.478	106.410
3	1	105.938	105.886
3	3	106.506	106.360
3	4	106.445	106.384
3	5	106.437	106.384
3	6	106.193	106.136
5	173	106.478	106.410
5	174	106.157	106.100
5	175	106.346	106.293
5	176	106.193	106.144
5	177	106.248	106.179
10	7	106.254	106.192
10	8	106.278	106.316
10	9	106.421	106.121
10	10	106.479	106.192
10	11	106.199	106.241
15	178	105.850	105.788
15	179	106.010	106.054
15	180	106.504	106.572
15	181	106.029	106.067
15	182	106.283	106.322
30	14	106.351	106.170
30	15	106.151	105.893
30	20	106.445	106.478
30	21	106.031	105.765
30	23	106.606	106.410
35	183	105.954	105.882
35	184	106.342	106.386
35	219	106.282	106.011
35	220	106.128	105.946
35	221	106.344	106.386
50	25	105.818	105.728
50	26	106.223	105.954
50	27	106.128	106.163
50	29	105.934	105.768
50	30	106.351	106.159
55	222	106.412	106.235
55	223	106.296	106.213
55	224	106.261	106.173
55	226	106.349	105.956
55	227	106.663	106.577
100	31	106.189	105.755
100	32	106.390	106.168
100	33	106.295	105.950
100	35	106.318	105.979
100	36	105.882	105.568
100	37	105.973	105.668
100	38	106.153	105.852
100	39	106.161	105.857
100	41	106.893	106.603
100	42	106.227	106.098
100	55	106.223	106.008
100	56	106.258	106.046
100	57	106.159	105.854
100	58	106.377	106.051
100	59	106.034	105.829
100	60	106.128	105.700
100	61	106.163	105.732
100	62	106.241	106.014
100	63	105.908	105.466
100	64	105.997	105.926
100	66	106.353	106.021
100	67	106.191	105.627
105	228	106.004	106.051
105	229	106.474	106.380
105	230	106.357	105.942
105	231	105.873	105.783
105	232	106.379	105.979
Max		106.893	106.603
Average		106.226	106.057
Min		105.818	105.466
Std Dev		0.210	0.253

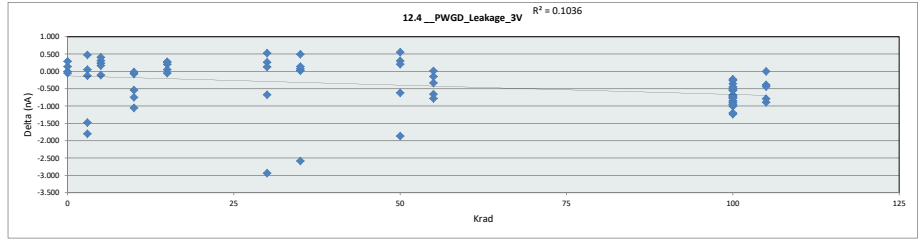


12.9_Falling_Good_5V												
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit	% of Vref	% of Vref					
Krad	0	3	5	10	15	30	35	50	55	100	105	
LL	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000	
Min	105.794	105.854	106.100	106.121	105.788	105.765	105.882	105.728	105.956	105.466	105.783	
Average	106.068	106.124	106.225	106.212	106.160	106.141	106.122	105.955	106.230	105.899	106.027	
Max	106.410	106.384	106.410	106.316	106.572	106.478	106.386	106.163	106.577	106.603	106.380	
UL												

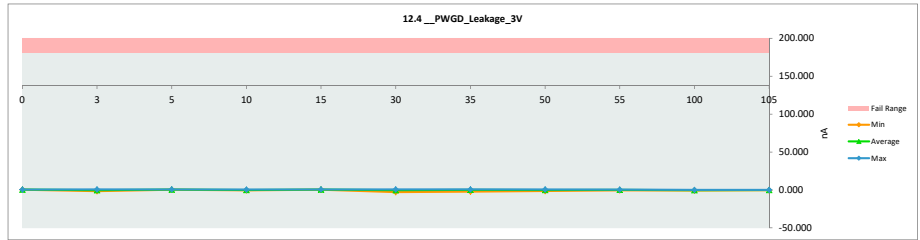


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12.4_PWGD_Leakage_3V				
Test Site	Tester	Test Number	Unit	Max Limit
			nA	nA
			181	181
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	0.481	0.620	0.139
0	140	0.559	0.555	-0.004
0	141	0.279	0.569	0.291
0	142	0.438	0.387	-0.051
3	1	0.443	0.490	0.048
3	3	0.111	-1.367	-1.478
3	4	0.169	-1.632	-1.801
3	5	0.600	0.477	-0.123
3	6	0.180	0.655	0.475
5	173	0.122	0.356	0.234
5	174	0.539	0.433	-0.106
5	175	0.093	0.400	0.306
5	176	0.389	0.557	0.167
5	177	0.357	0.761	0.405
10	7	0.583	-0.166	-0.749
10	8	0.096	-0.447	-0.543
10	9	0.556	-0.496	-1.052
10	10	0.428	0.357	-0.070
10	11	0.500	0.482	-0.017
15	178	0.102	0.373	0.271
15	179	0.388	0.438	0.050
15	180	0.643	0.590	-0.052
15	181	0.157	0.361	0.204
15	182	0.428	0.697	0.269
30	14	0.129	0.654	0.525
30	15	0.195	-2.741	-2.936
30	20	0.407	0.669	0.263
30	21	0.373	-0.301	-0.674
30	23	0.529	0.657	0.128
35	183	0.325	0.343	0.018
35	184	0.414	-2.174	-2.588
35	219	0.265	0.757	0.493
35	220	0.318	0.386	0.067
35	221	0.623	0.758	0.135
50	25	0.570	-1.297	-1.867
50	26	0.082	0.388	0.305
50	27	0.131	-0.487	-0.618
50	29	0.143	0.696	0.553
50	30	0.125	0.332	0.207
55	222	0.598	0.265	-0.333
55	223	0.627	-0.028	-0.655
55	224	0.350	-0.431	-0.782
55	226	0.407	0.258	-0.149
55	227	0.632	0.645	0.013
100	31	0.604	-0.237	-0.841
100	32	0.112	-0.431	-0.543
100	33	0.250	-0.462	-0.712
100	35	0.191	-0.574	-0.765
100	36	0.640	-0.368	-1.007
100	37	0.255	-0.493	-0.748
100	38	0.302	-0.252	-0.554
100	39	0.286	0.021	-0.265
100	41	0.536	-0.698	-1.235
100	42	0.303	-0.402	-0.705
100	55	0.177	-0.177	-0.355
100	56	0.654	-0.546	-1.200
100	57	0.446	-0.441	-0.886
100	58	0.101	-0.124	-0.225
100	59	0.137	-0.306	-0.443
100	60	0.292	-0.660	-0.952
100	61	0.444	-0.462	-0.907
100	62	0.151	-0.622	-0.773
100	63	0.122	-0.564	-0.686
100	64	0.370	-0.140	-0.510
100	66	0.532	-0.430	-0.962
100	67	0.090	-0.390	-0.481
105	228	0.452	0.064	-0.389
105	229	0.354	-0.088	-0.441
105	230	0.642	-0.250	-0.892
105	231	0.121	0.118	-0.002
105	232	0.600	-0.190	-0.790
	Max	0.654	0.761	0.533
	Average	0.353	-0.061	-0.413
	Min	0.082	-2.741	-2.936
	Std Dev	0.186	0.683	0.683

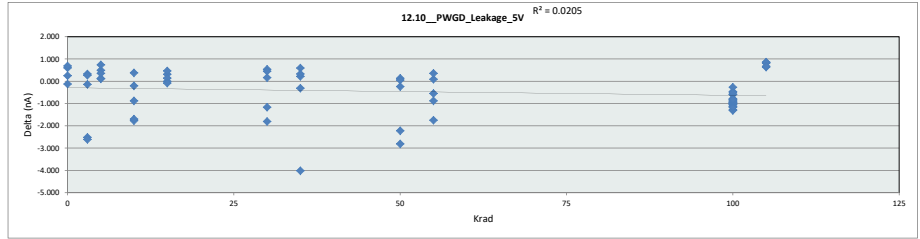


12.4_PWGD_Leakage_3V											
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit						
			nA	nA	nA						
			181	181	181						
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	0.387	-1.632	0.356	-0.496	0.361	-2.741	-2.174	-1.297	-0.431	-0.699	-0.250
Average	0.533	-0.275	0.501	-0.054	0.492	-0.212	0.014	-0.073	0.142	-0.398	-0.069
Max	0.620	0.655	0.761	0.482	0.697	0.670	0.758	0.696	0.645	0.021	0.118
UL	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000

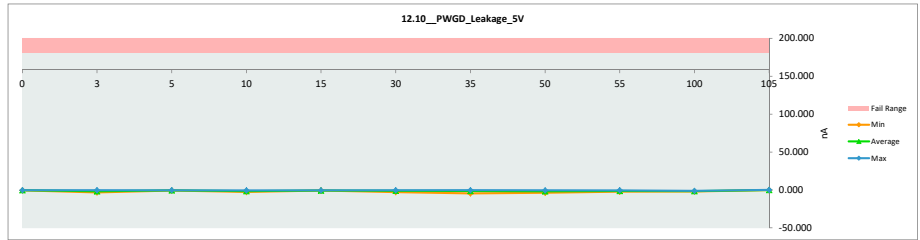


HDR TID Report  
POLARIS - TPS7H4001-SP

12.10_PWGD_Leakage_5V				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	-0.892	-0.287	0.604
0	140	-0.579	-0.333	0.246
0	141	-0.987	-0.303	0.684
0	142	-0.485	-0.609	-0.124
3	1	-1.021	-0.690	0.330
3	3	-0.742	-3.255	-2.513
3	4	-0.741	-3.347	-2.606
3	5	-0.782	-0.918	-0.136
3	6	-0.537	-0.266	0.271
5	173	-0.895	-0.779	0.116
5	174	-0.971	-0.477	0.494
5	175	-0.819	-0.695	0.125
5	176	-1.015	-0.656	0.359
5	177	-0.997	-0.257	0.741
10	7	-0.899	-1.779	-0.880
10	8	-0.762	-2.530	-1.768
10	9	-0.904	-2.605	-1.701
10	10	-0.983	-0.604	0.378
10	11	-0.483	-0.684	-0.201
15	178	-0.638	-0.640	-0.002
15	179	-1.009	-0.698	0.311
15	180	-0.764	-0.620	0.144
15	181	-0.570	-0.651	-0.081
15	182	-0.980	-0.517	0.463
30	14	-0.809	-0.275	0.534
30	15	-1.027	-2.831	-1.803
30	20	-1.000	-0.548	0.452
30	21	-0.489	-1.653	-1.164
30	23	-0.540	-0.374	0.166
35	183	-1.006	-0.783	0.224
35	184	-0.507	-4.522	-4.015
35	219	-0.950	-0.360	0.590
35	220	-0.463	-0.773	-0.310
35	221	-0.751	-0.426	0.325
50	25	-0.868	-3.679	-2.812
50	26	-0.668	-0.533	0.135
50	27	-0.640	-2.863	-2.222
50	29	-0.515	-0.461	0.054
50	30	-0.675	-0.914	-0.239
55	222	-0.967	-0.875	0.091
55	223	-0.887	-1.767	-0.879
55	224	-0.456	-2.200	-1.744
55	226	-0.497	-1.047	-0.550
55	227	-0.753	-0.399	0.354
100	31	-0.951	-1.413	-0.462
100	32	-0.653	-1.777	-1.124
100	33	-0.481	-1.523	-1.041
100	35	-0.519	-1.830	-1.311
100	36	-0.799	-1.688	-0.889
100	37	-0.492	-1.614	-1.122
100	38	-0.504	-1.329	-0.825
100	39	-0.974	-1.240	-0.266
100	41	-0.945	-1.975	-1.030
100	42	-0.476	-1.480	-1.005
100	55	-0.543	-1.479	-0.935
100	56	-0.685	-1.660	-0.975
100	57	-0.496	-1.490	-0.994
100	58	-0.639	-1.231	-0.592
100	59	-0.806	-1.404	-0.598
100	60	-0.457	-1.734	-1.277
100	61	-1.033	-1.553	-0.520
100	62	-0.839	-1.797	-0.958
100	63	-0.569	-1.741	-1.171
100	64	-0.498	-1.275	-0.777
100	66	-0.649	-1.537	-0.887
100	67	-0.708	-1.528	-0.820
105	228	-1.027	-0.165	0.862
105	229	-0.479	0.158	0.637
105	230	-0.877	-0.059	0.819
105	231	-0.644	0.200	0.844
105	232	-0.872	-0.197	0.674
	Max	-0.456	0.200	0.862
	Average	-0.740	-1.209	-0.469
	Min	-1.033	-4.522	-4.015
	Std Dev	0.197	0.939	0.984

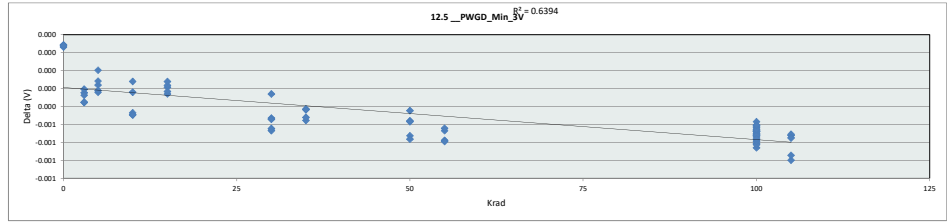


12.10_PWGD_Leakage_5V											
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	-0.609	-3.347	-0.779	-2.605	-0.698	-2.831	-4.522	-3.679	-2.200	-1.975	-0.197
Min	-0.383	-1.695	-0.573	-1.640	-0.625	-1.136	-1.373	-1.690	-1.258	-1.559	-0.013
Max	-0.288	-0.266	-0.257	-0.605	-0.517	-0.275	-0.360	-0.461	-0.399	-1.231	0.201
UL	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000

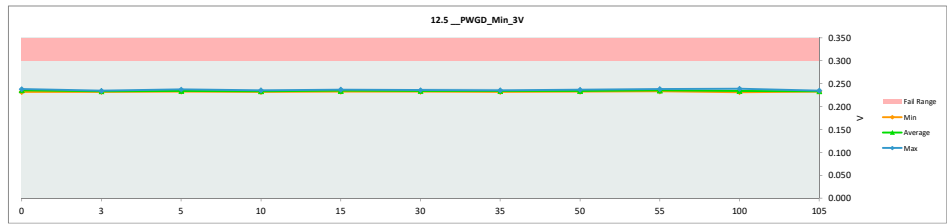


HDR TID Report  
POLARIS - TPS7H4001-SP

12.5_PWGD_Min_3V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	0.3	0.3		
Min Limit				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	0.237	0.238	0.000
0	140	0.232	0.232	0.000
0	141	0.234	0.235	0.000
0	142	0.238	0.238	0.000
3	1	0.233	0.233	0.000
3	3	0.233	0.232	0.000
3	4	0.233	0.233	0.000
3	5	0.235	0.234	0.000
3	6	0.233	0.233	0.000
5	173	0.237	0.237	0.000
5	174	0.234	0.234	0.000
5	175	0.234	0.233	0.000
5	176	0.232	0.232	0.000
5	177	0.235	0.234	0.000
10	7	0.234	0.233	0.000
10	8	0.232	0.232	0.000
10	9	0.236	0.236	0.000
10	10	0.235	0.234	0.000
10	11	0.232	0.232	0.000
15	178	0.237	0.237	0.000
15	179	0.234	0.234	0.000
15	180	0.233	0.233	0.000
15	181	0.235	0.235	0.000
15	182	0.233	0.233	0.000
30	14	0.236	0.236	-0.001
30	15	0.234	0.234	-0.001
30	20	0.234	0.234	-0.001
30	21	0.235	0.234	-0.001
30	23	0.233	0.232	0.000
35	183	0.233	0.233	-0.001
35	184	0.236	0.236	-0.001
35	219	0.232	0.232	0.000
35	220	0.234	0.234	0.000
35	221	0.234	0.234	0.000
50	25	0.234	0.233	-0.001
50	26	0.234	0.233	-0.001
50	27	0.233	0.232	-0.001
50	29	0.237	0.236	-0.001
50	30	0.237	0.237	0.000
55	222	0.234	0.233	-0.001
55	223	0.235	0.235	-0.001
55	224	0.239	0.238	-0.001
55	226	0.237	0.236	-0.001
55	227	0.234	0.234	-0.001
100	31	0.233	0.233	-0.001
100	32	0.236	0.235	-0.001
100	33	0.234	0.233	-0.001
100	35	0.233	0.232	-0.001
100	36	0.236	0.235	-0.001
100	37	0.234	0.233	-0.001
100	38	0.234	0.234	-0.001
100	39	0.237	0.236	-0.001
100	41	0.234	0.233	-0.001
100	42	0.233	0.232	-0.001
100	55	0.235	0.234	-0.001
100	56	0.234	0.234	-0.001
100	57	0.240	0.239	-0.001
100	58	0.236	0.235	-0.001
100	59	0.233	0.232	-0.001
100	60	0.233	0.232	-0.001
100	61	0.235	0.234	-0.001
100	62	0.232	0.231	-0.001
100	63	0.233	0.233	-0.001
100	64	0.234	0.233	-0.001
100	66	0.236	0.235	-0.001
100	67	0.235	0.234	-0.001
105	228	0.235	0.234	-0.001
105	229	0.234	0.233	-0.001
105	230	0.233	0.232	-0.001
105	231	0.235	0.235	-0.001
105	232	0.235	0.234	-0.001
	Max	0.240	0.239	0.000
	Average	0.234	0.234	0.000
	Min	0.232	0.231	-0.001
	Std Dev	0.002	0.002	0.000



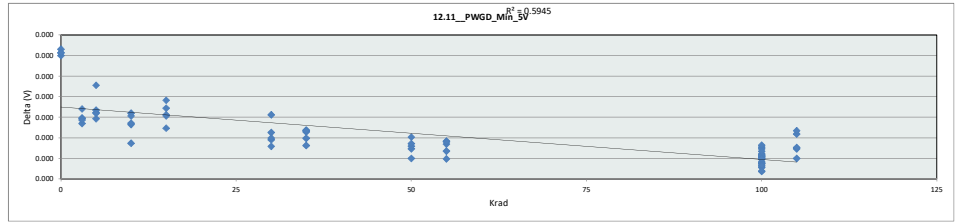
12.5_PWGD_Min_3V											
Test Site											
Tester											
Test Number											
Max Limit	0.3	V									
Min Limit		V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.233	0.231	0.232
Min	0.236	0.233	0.234	0.233	0.234	0.234	0.234	0.234	0.235	0.234	0.232
Average	0.238	0.234	0.237	0.236	0.237	0.236	0.236	0.237	0.238	0.239	0.235
Max	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
UL	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300



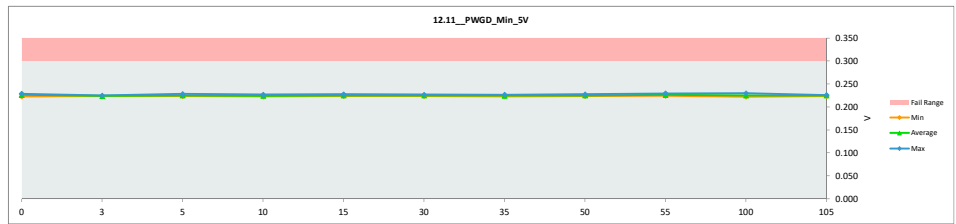


HDR TID Report  
POLARIS - TPS7H4001-SP

12.11_PWGD_Min_5V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	0.3	0.3		
Min Limit				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	0.228	0.228	0.000
0	140	0.223	0.223	0.000
0	141	0.225	0.225	0.000
0	142	0.229	0.229	0.000
3	1	0.224	0.224	0.000
3	3	0.224	0.224	0.000
3	4	0.224	0.224	0.000
3	5	0.225	0.225	0.000
3	6	0.224	0.224	0.000
5	173	0.228	0.228	0.000
5	174	0.225	0.225	0.000
5	175	0.224	0.224	0.000
5	176	0.223	0.223	0.000
5	177	0.225	0.225	0.000
10	7	0.224	0.224	0.000
10	8	0.223	0.223	0.000
10	9	0.227	0.227	0.000
10	10	0.225	0.225	0.000
10	11	0.223	0.223	0.000
15	178	0.228	0.228	0.000
15	179	0.225	0.225	0.000
15	180	0.224	0.224	0.000
15	181	0.226	0.226	0.000
15	182	0.224	0.224	0.000
30	14	0.227	0.227	0.000
30	15	0.225	0.225	0.000
30	20	0.225	0.225	0.000
30	21	0.225	0.225	0.000
30	23	0.223	0.223	0.000
35	183	0.224	0.224	0.000
35	184	0.227	0.227	0.000
35	219	0.223	0.223	0.000
35	220	0.225	0.225	0.000
35	221	0.225	0.225	0.000
50	25	0.225	0.224	0.000
50	26	0.224	0.224	0.000
50	27	0.224	0.224	0.000
50	29	0.227	0.227	0.000
50	30	0.228	0.228	0.000
55	222	0.224	0.224	0.000
55	223	0.226	0.226	0.000
55	224	0.230	0.229	0.000
55	226	0.227	0.227	0.000
55	227	0.225	0.225	0.000
100	31	0.224	0.224	0.000
100	32	0.227	0.226	0.000
100	33	0.225	0.224	0.000
100	35	0.224	0.223	0.000
100	36	0.226	0.226	0.000
100	37	0.224	0.224	0.000
100	38	0.225	0.225	0.000
100	39	0.228	0.227	0.000
100	41	0.225	0.224	0.000
100	42	0.224	0.224	0.000
100	55	0.225	0.225	0.000
100	56	0.225	0.225	0.000
100	57	0.230	0.230	0.000
100	58	0.227	0.226	0.000
100	59	0.223	0.223	0.000
100	60	0.223	0.223	0.000
100	61	0.226	0.225	0.000
100	62	0.223	0.222	0.000
100	63	0.224	0.224	0.000
100	64	0.225	0.224	0.000
100	66	0.226	0.226	0.000
100	67	0.226	0.225	0.000
105	228	0.225	0.225	0.000
105	229	0.225	0.225	0.000
105	230	0.224	0.224	0.000
105	231	0.226	0.226	0.000
105	232	0.225	0.225	0.000
	Max	0.230	0.230	0.000
	Average	0.225	0.225	0.000
	Min	0.223	0.222	0.000
	Std Dev	0.002	0.002	0.000

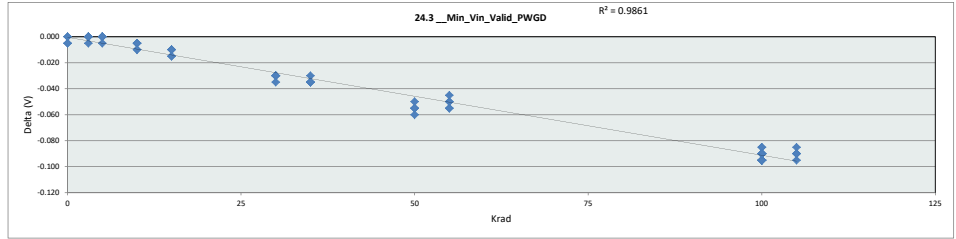


12.11_PWGD_Min_5V											
Test Site											
Tester											
Test Number											
Max Limit	0.3	V									
Min Limit		V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	0.223	0.223	0.223	0.223	0.224	0.223	0.223	0.224	0.222	0.224	0.224
Min	0.226	0.224	0.225	0.224	0.225	0.225	0.225	0.225	0.226	0.225	0.225
Average	0.229	0.225	0.228	0.227	0.228	0.227	0.227	0.228	0.229	0.230	0.226
Max	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
UL	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300

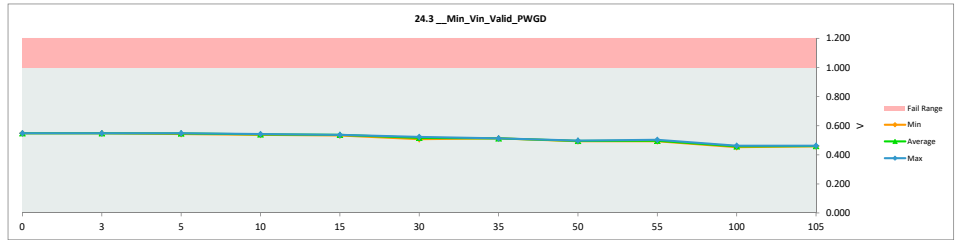


HDR TID Report  
POLARIS - TPS7H4001-SP

24.3_Min_Vin_Valid_PWGD				
Krad	Serial #	PRE HDR	POST HDR	Delta
0	139	0.553	0.548	-0.005
0	140	0.548	0.548	0.000
0	141	0.553	0.548	-0.005
0	142	0.548	0.548	0.000
3	1	0.553	0.548	-0.005
3	3	0.548	0.548	0.000
3	4	0.548	0.548	0.000
3	5	0.548	0.548	0.000
3	6	0.548	0.548	0.000
5	173	0.548	0.548	0.000
5	174	0.548	0.548	0.000
5	175	0.548	0.548	0.000
5	176	0.548	0.543	-0.005
5	177	0.548	0.548	0.000
10	7	0.548	0.543	-0.005
10	8	0.548	0.543	-0.005
10	9	0.548	0.543	-0.005
10	10	0.548	0.538	-0.010
10	11	0.548	0.538	-0.010
15	178	0.553	0.538	-0.015
15	179	0.548	0.538	-0.010
15	180	0.548	0.533	-0.015
15	181	0.548	0.538	-0.010
15	182	0.548	0.538	-0.010
30	14	0.553	0.522	-0.030
30	15	0.548	0.517	-0.030
30	20	0.548	0.517	-0.030
30	21	0.548	0.517	-0.030
30	23	0.543	0.507	-0.035
35	183	0.548	0.512	-0.035
35	184	0.548	0.512	-0.035
35	219	0.543	0.512	-0.030
35	220	0.548	0.512	-0.035
35	221	0.548	0.512	-0.035
50	25	0.553	0.498	-0.055
50	26	0.553	0.493	-0.060
50	27	0.548	0.498	-0.050
50	29	0.553	0.498	-0.055
50	30	0.548	0.493	-0.055
55	222	0.548	0.493	-0.055
55	223	0.548	0.498	-0.050
55	224	0.548	0.502	-0.045
55	226	0.548	0.498	-0.050
55	227	0.548	0.493	-0.055
100	31	0.553	0.458	-0.095
100	32	0.553	0.458	-0.095
100	33	0.548	0.458	-0.090
100	35	0.548	0.458	-0.090
100	36	0.548	0.458	-0.090
100	37	0.548	0.452	-0.095
100	38	0.548	0.463	-0.085
100	39	0.553	0.463	-0.090
100	41	0.548	0.452	-0.095
100	42	0.548	0.458	-0.090
100	55	0.553	0.463	-0.090
100	56	0.553	0.458	-0.095
100	57	0.553	0.458	-0.095
100	58	0.548	0.463	-0.085
100	59	0.548	0.458	-0.090
100	60	0.548	0.452	-0.095
100	61	0.553	0.458	-0.095
100	62	0.548	0.458	-0.090
100	63	0.548	0.458	-0.090
100	64	0.548	0.458	-0.090
100	66	0.548	0.458	-0.090
100	67	0.553	0.463	-0.090
105	228	0.548	0.463	-0.085
105	229	0.553	0.458	-0.095
105	230	0.548	0.458	-0.090
105	231	0.548	0.458	-0.090
105	232	0.553	0.463	-0.090
105	233	0.548	0.548	0.000
	Average	0.549	0.500	-0.048
	Min	0.543	0.452	-0.095
	Std Dev	0.002	0.037	0.038



24.3_Min_Vin_Valid_PWGD											
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	0.548	0.548	0.543	0.538	0.533	0.508	0.513	0.493	0.493	0.453	0.458
Min	0.548	0.548	0.547	0.541	0.537	0.517	0.513	0.496	0.497	0.458	0.460
Average	0.548	0.548	0.548	0.543	0.538	0.523	0.513	0.498	0.503	0.463	0.463
Max	0.548	0.548	0.548	0.543	0.538	0.523	0.513	0.498	0.503	0.463	0.463
UL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

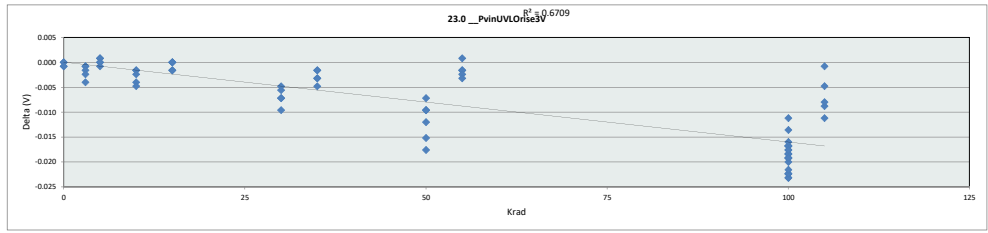


## **C Appendix C: LDR TID Report Data**

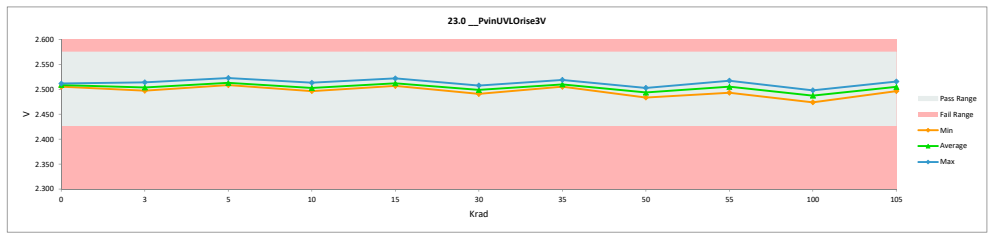
This appendix contains the LDR TID report data.

LDR TID Report  
POLARIS - TPS7H4001-SP

23.0_PvinUVLorise3V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.575	2.575		
Min Limit	2.425	2.425		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	2.507	2.507	0.000
0	140	2.511	2.511	0.000
0	141	2.512	2.512	-0.001
0	142	2.506	2.505	-0.001
3	1	2.509	2.508	-0.001
3	2	2.515	2.514	-0.001
3	3	2.503	2.501	-0.002
3	4	2.500	2.498	-0.002
3	5	2.501	2.497	-0.004
5	6	2.511	2.510	-0.001
5	7	2.515	2.515	0.000
5	8	2.508	2.508	0.001
5	9	2.522	2.523	0.001
5	10	2.508	2.508	0.000
10	11	2.509	2.508	-0.002
10	12	2.515	2.513	-0.002
10	13	2.503	2.500	-0.002
10	14	2.500	2.496	-0.004
10	15	2.501	2.496	-0.005
15	16	2.511	2.511	0.000
15	17	2.515	2.513	-0.002
15	18	2.508	2.508	0.000
15	19	2.522	2.522	0.000
15	20	2.508	2.507	-0.002
30	89	2.509	2.504	-0.005
30	90	2.515	2.508	-0.007
30	91	2.503	2.497	-0.006
30	92	2.500	2.491	-0.010
30	93	2.501	2.494	-0.007
35	132	2.511	2.509	-0.002
35	133	2.515	2.510	-0.005
35	135	2.508	2.506	-0.002
35	136	2.522	2.519	-0.003
35	137	2.508	2.505	-0.003
50	94	2.507	2.495	-0.012
50	95	2.508	2.501	-0.007
50	96	2.493	2.484	-0.010
50	97	2.512	2.503	-0.010
50	99	2.510	2.492	-0.018
50	100	2.503	2.488	-0.015
55	186	2.502	2.503	0.001
55	187	2.503	2.501	-0.002
55	188	2.513	2.512	-0.002
55	189	2.496	2.493	-0.002
55	190	2.520	2.517	-0.003
100	101	2.516	2.494	-0.022
100	102	2.509	2.486	-0.023
100	103	2.516	2.494	-0.022
100	104	2.505	2.487	-0.018
100	105	2.505	2.486	-0.019
100	106	2.509	2.489	-0.020
100	107	2.497	2.474	-0.023
100	108	2.501	2.479	-0.022
100	109	2.516	2.498	-0.018
100	110	2.507	2.490	-0.017
100	111	2.505	2.484	-0.022
100	112	2.501	2.482	-0.019
100	113	2.498	2.479	-0.019
100	114	2.497	2.479	-0.018
100	115	2.511	2.492	-0.018
100	116	2.508	2.492	-0.017
100	117	2.500	2.488	-0.011
100	118	2.507	2.488	-0.019
100	119	2.509	2.496	-0.014
100	120	2.503	2.486	-0.017
100	121	2.510	2.493	-0.017
100	123	2.508	2.490	-0.018
100	124	2.501	2.485	-0.016
105	191	2.508	2.496	-0.011
105	192	2.508	2.499	-0.009
105	193	2.516	2.516	-0.001
105	194	2.507	2.502	-0.005
105	195	2.520	2.512	-0.008
	Max	2.522	2.523	0.001
	Average	2.508	2.499	-0.008
	Min	2.493	2.474	-0.023
	Std Dev	0.006	0.011	0.008

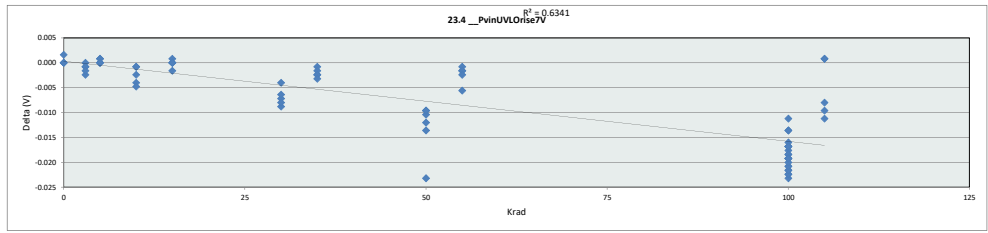


23.0_PvinUVLorise3V											
Test Site											
Tester											
Test Number											
Max Limit	2.575	V									
Min Limit	2.425	V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425
Min	2.505	2.497	2.508	2.496	2.507	2.491	2.505	2.484	2.493	2.474	2.496
Average	2.509	2.504	2.513	2.503	2.512	2.499	2.510	2.494	2.505	2.487	2.505
Max	2.512	2.514	2.523	2.513	2.522	2.508	2.519	2.503	2.517	2.498	2.516
UL	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575

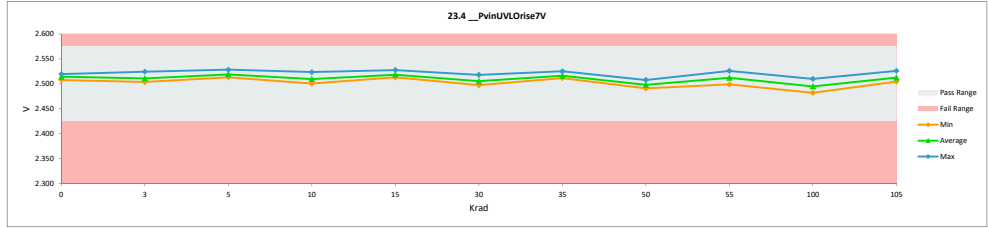


LDR TID Report  
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23.4_PvinUVLorise7V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.575	2.575		
Min Limit	2.425	2.425		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	2.508	2.508	0.000
0	140	2.516	2.516	0.000
0	141	2.520	2.520	0.000
0	142	2.512	2.514	0.002
3	1	2.516	2.515	-0.001
3	2	2.524	2.524	0.000
3	3	2.509	2.508	-0.001
3	4	2.506	2.504	-0.002
3	5	2.505	2.504	-0.002
5	6	2.517	2.517	0.000
5	7	2.520	2.520	0.001
5	8	2.513	2.513	0.000
5	9	2.528	2.528	0.001
5	10	2.515	2.515	0.000
10	11	2.516	2.513	-0.002
10	12	2.524	2.524	-0.001
10	13	2.509	2.508	-0.001
10	14	2.506	2.502	-0.004
10	15	2.505	2.500	-0.005
15	16	2.517	2.518	0.001
15	17	2.520	2.520	0.000
15	18	2.513	2.513	0.000
15	19	2.528	2.528	0.000
15	20	2.515	2.513	-0.002
30	89	2.516	2.508	-0.007
30	90	2.524	2.518	-0.006
30	91	2.509	2.505	-0.004
30	92	2.506	2.497	-0.009
30	93	2.505	2.497	-0.008
35	132	2.517	2.516	-0.001
35	133	2.520	2.517	-0.002
35	135	2.513	2.512	-0.002
35	136	2.528	2.525	-0.002
35	137	2.515	2.512	-0.003
50	94	2.512	2.500	-0.012
50	95	2.510	2.500	-0.010
50	96	2.500	2.491	-0.010
50	97	2.517	2.508	-0.010
50	99	2.519	2.496	-0.023
50	100	2.509	2.496	-0.014
55	186	2.512	2.510	-0.002
55	187	2.510	2.504	-0.006
55	188	2.522	2.521	-0.001
55	189	2.500	2.499	-0.002
55	190	2.528	2.526	-0.002
100	101	2.526	2.503	-0.023
100	102	2.518	2.496	-0.022
100	103	2.521	2.500	-0.022
100	104	2.510	2.496	-0.014
100	105	2.509	2.491	-0.018
100	106	2.513	2.492	-0.021
100	107	2.504	2.482	-0.022
100	108	2.505	2.484	-0.022
100	109	2.528	2.510	-0.018
100	110	2.514	2.498	-0.016
100	111	2.513	2.492	-0.021
100	112	2.511	2.492	-0.019
100	113	2.504	2.485	-0.019
100	114	2.504	2.485	-0.018
100	115	2.518	2.499	-0.019
100	116	2.516	2.499	-0.017
100	117	2.508	2.496	-0.011
100	118	2.512	2.495	-0.017
100	119	2.516	2.502	-0.014
100	120	2.511	2.491	-0.020
100	121	2.518	2.501	-0.017
100	123	2.516	2.499	-0.017
100	124	2.511	2.492	-0.019
105	191	2.512	2.504	-0.008
105	192	2.516	2.504	-0.011
105	193	2.525	2.526	0.001
105	194	2.507	2.508	0.001
105	195	2.530	2.520	-0.010
	Max	2.530	2.528	0.002
	Average	2.514	2.506	-0.008
	Min	2.500	2.482	-0.023
	Std Dev	0.007	0.012	0.008



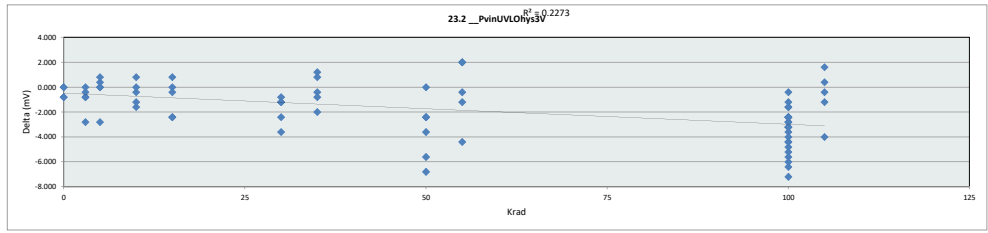
23.4_PvinUVLorise7V											
Test Site											
Tester											
Test Number											
Max Limit	2.575	V									
Min Limit	2.425	V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425	2.425
Min	2.508	2.504	2.513	2.500	2.513	2.497	2.512	2.491	2.499	2.482	2.504
Average	2.514	2.511	2.519	2.510	2.518	2.505	2.516	2.498	2.512	2.495	2.513
Max	2.520	2.524	2.528	2.524	2.528	2.518	2.525	2.508	2.526	2.510	2.526
UL	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575	2.575



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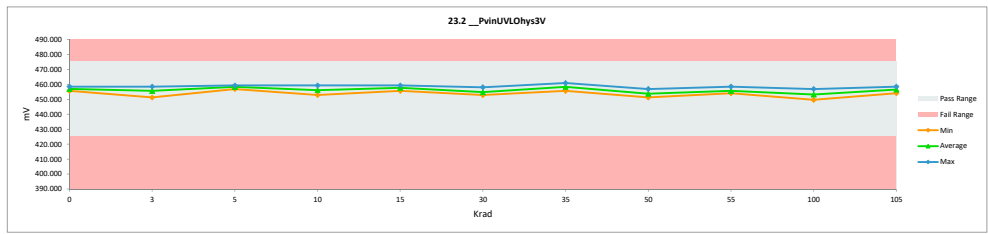
23.2_PvinUVLOhys3V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	475 475
Min Limit	425 425

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	457.257	457.257	0.000
0	140	456.457	456.457	0.000
0	141	459.259	458.459	-0.800
0	142	456.456	455.655	-0.801
3	1	458.458	457.657	-0.801
3	2	459.259	458.458	-0.801
3	3	454.455	454.054	-0.401
3	4	456.856	456.857	0.001
3	5	454.054	451.251	-2.803
5	6	458.859	459.259	0.400
5	7	456.857	456.857	0.000
5	8	458.058	458.858	0.800
5	9	461.662	458.859	-2.803
5	10	457.657	457.657	0.000
10	11	458.458	459.260	0.802
10	12	459.259	458.859	-0.400
10	13	454.455	454.454	-0.001
10	14	456.856	455.255	-1.601
10	15	454.054	452.852	-1.202
15	16	458.859	458.859	0.000
15	17	456.857	456.456	-0.401
15	18	458.058	455.656	-2.402
15	19	461.662	459.259	-2.403
15	20	457.657	458.459	0.802
30	89	458.458	456.056	-2.402
30	90	459.259	458.058	-1.201
30	91	454.455	453.653	-0.802
30	92	456.856	453.253	-3.603
30	93	454.054	452.853	-1.201
35	132	458.859	458.458	-0.401
35	133	456.857	458.058	1.201
35	135	458.058	458.859	0.801
35	136	461.662	460.861	-0.801
35	137	457.657	455.655	-2.002
50	94	457.257	453.654	-3.603
50	95	455.255	455.255	0.000
50	96	454.454	452.052	-2.402
50	97	459.259	456.857	-2.402
50	99	459.259	453.653	-5.606
50	100	458.058	451.252	-6.806
55	186	452.452	454.455	2.003
55	187	452.052	454.054	2.002
55	188	458.859	458.459	-0.400
55	189	455.656	454.454	-1.202
55	190	461.261	456.857	-4.404
100	101	459.659	455.255	-4.404
100	102	456.056	450.851	-5.205
100	103	459.659	454.054	-5.605
100	104	456.857	454.054	-2.803
100	105	456.857	450.851	-6.006
100	106	457.257	454.054	-3.203
100	107	453.653	450.851	-2.802
100	108	457.657	453.253	-4.404
100	109	458.859	455.656	-3.203
100	110	454.855	452.452	-2.403
100	111	456.857	449.650	-7.207
100	112	454.054	450.450	-3.604
100	113	453.253	452.052	-1.201
100	114	456.056	452.052	-4.004
100	115	458.859	452.452	-6.407
100	116	457.657	455.256	-2.401
100	117	454.855	454.454	-0.401
100	118	458.459	453.654	-4.805
100	119	458.458	456.857	-1.601
100	120	456.857	454.454	-2.403
100	121	458.058	455.655	-2.403
100	123	458.058	454.855	-3.203
100	124	452.853	451.251	-1.602
105	191	458.058	454.054	-4.004
105	192	455.656	455.255	-0.401
105	193	456.056	457.658	1.602
105	194	458.459	457.257	-1.202
105	195	458.058	458.459	0.401
	Max	461.662	460.861	2.003
	Average	457.175	455.354	-1.821
	Min	452.052	449.650	-2.407
	Std Dev	2.167	2.668	2.141



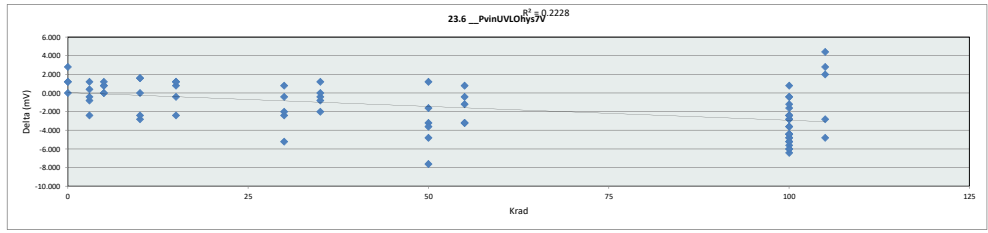
23.2_PvinUVLOhys3V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	475 475
Min Limit	425 425

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000
Min	455.655	451.251	456.857	452.852	455.656	452.853	455.655	451.252	454.054	449.650	454.054
Average	456.957	455.655	458.298	456.136	457.738	454.775	458.378	453.787	455.656	453.236	456.537
Max	458.459	458.458	459.259	459.260	459.259	458.058	460.861	456.857	458.459	456.857	458.459
UL	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000

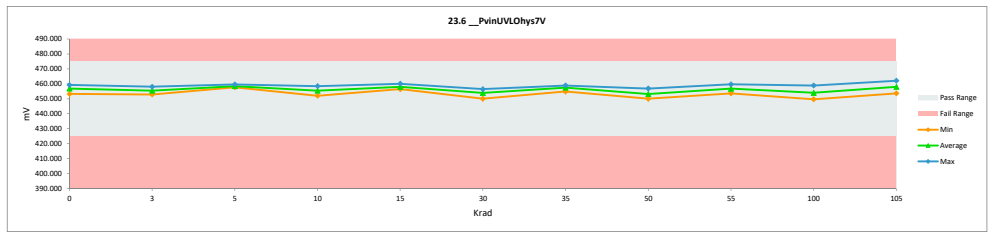


LDR TID Report  
POLARIS - TPS7H4001-SP

23.6_PvinUVLOhys7V				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	475	475		
Min Limit	425	425		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	452.052	453.254	1.202
0	140	456.457	456.457	0.000
0	141	458.058	459.260	1.202
0	142	455.655	458.458	2.803
3	1	457.658	456.857	-0.801
3	2	456.856	458.058	1.202
3	3	454.855	455.255	0.400
3	4	455.255	452.853	-2.402
3	5	454.454	454.054	-0.400
5	6	458.058	458.058	0.000
5	7	456.857	457.657	0.800
5	8	458.859	458.859	0.000
5	9	458.859	459.659	0.800
5	10	456.857	458.058	1.201
10	11	457.658	457.657	-0.001
10	12	456.856	458.459	1.603
10	13	454.855	456.456	1.601
10	14	455.255	452.452	-2.803
10	15	454.454	452.052	-2.402
15	16	458.058	458.859	0.801
15	17	456.857	458.058	1.201
15	18	458.859	456.456	-2.403
15	19	458.859	460.060	1.201
15	20	456.857	456.456	-0.401
30	89	457.658	455.255	-2.403
30	90	456.856	456.456	-0.400
30	91	454.855	455.655	0.800
30	92	455.255	450.050	-5.205
30	93	454.454	452.452	-2.002
35	132	458.058	457.257	-0.801
35	133	456.857	458.058	1.201
35	135	458.859	458.459	-0.400
35	136	458.859	458.859	0.000
35	137	456.857	454.855	-2.002
50	94	458.459	453.654	-4.805
50	95	453.253	450.050	-3.203
50	96	452.052	453.253	1.201
50	97	460.460	456.857	-3.603
50	99	458.459	450.851	-7.608
50	100	456.056	454.455	-1.601
55	186	457.258	456.857	-0.401
55	187	456.857	453.653	-3.204
55	188	461.662	458.458	-3.204
55	189	454.454	455.255	0.801
55	190	460.860	459.660	-1.200
100	101	462.062	456.857	-5.205
100	102	458.859	454.455	-4.404
100	103	458.458	453.654	-4.804
100	104	456.857	454.054	-2.803
100	105	456.056	449.650	-6.406
100	106	456.456	453.653	-2.803
100	107	456.056	450.450	-5.606
100	108	458.058	453.254	-4.804
100	109	461.262	456.857	-4.405
100	110	457.257	455.656	-1.601
100	111	458.859	453.653	-5.206
100	112	457.658	454.054	-3.604
100	113	456.056	453.653	-2.403
100	114	454.054	453.653	-0.401
100	115	458.859	452.853	-6.006
100	116	458.859	452.853	-6.006
100	117	456.857	456.456	-0.401
100	118	456.056	453.654	-2.402
100	119	456.457	457.257	0.800
100	120	455.255	450.851	-4.404
100	121	461.261	458.859	-2.402
100	123	455.256	454.054	-1.202
100	124	455.255	451.652	-3.603
105	191	454.454	457.257	2.803
105	192	456.457	453.653	-2.804
105	193	460.060	462.062	2.002
105	194	454.855	459.260	4.405
105	195	462.462	457.657	-4.805
	Max	462.462	462.062	4.405
	Average	457.098	455.562	-1.536
	Min	452.052	449.650	-7.608
	Std Dev	2.192	2.796	2.587

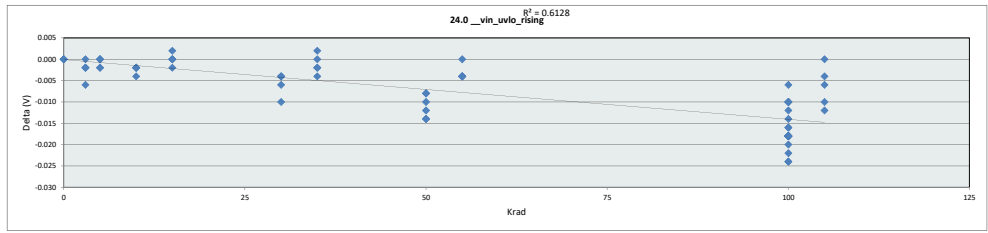


23.6_PvinUVLOhys7V											
Test Site											
Tester											
Test Number											
Max Limit	475	mV									
Min Limit	425	mV									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000	425.000
Min	453.254	452.853	457.657	452.052	456.456	450.050	454.855	450.050	453.653	449.650	453.653
Average	456.857	455.415	458.458	455.415	457.978	453.974	457.498	453.187	456.777	454.002	457.978
Max	459.260	458.058	459.659	458.459	460.060	456.456	458.859	456.857	459.660	458.859	462.062
UL	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000

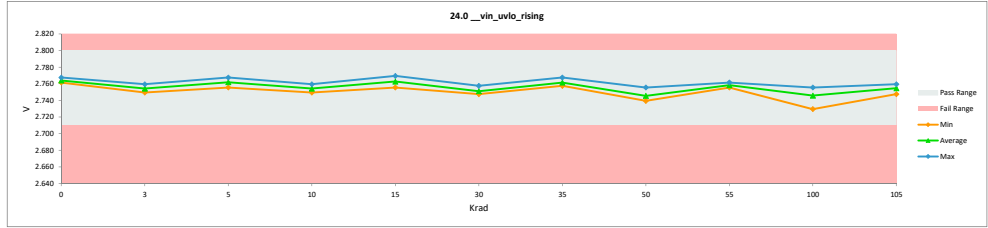


LDR TID Report  
POLARIS - TPS7H4001-SP

24.0_vin_uvlo_rising				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.8	2.8		
Min Limit	2.71	2.71		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	2.761	2.761	0.000
0	140	2.763	2.763	0.000
0	141	2.763	2.763	0.000
0	142	2.767	2.767	0.000
3	1	2.761	2.756	-0.006
3	2	2.760	2.760	0.000
3	3	2.751	2.750	-0.002
3	4	2.751	2.750	-0.002
3	5	2.760	2.757	-0.002
5	6	2.770	2.767	-0.002
5	7	2.763	2.763	0.000
5	8	2.763	2.761	-0.002
5	9	2.761	2.761	0.000
5	10	2.756	2.756	0.000
10	11	2.761	2.760	-0.002
10	12	2.760	2.757	-0.002
10	13	2.751	2.750	-0.002
10	14	2.751	2.750	-0.002
10	15	2.760	2.756	-0.004
15	16	2.770	2.770	0.000
15	17	2.763	2.763	0.000
15	18	2.763	2.766	0.002
15	19	2.761	2.760	-0.002
15	20	2.756	2.756	0.000
30	89	2.761	2.757	-0.004
30	90	2.760	2.753	-0.006
30	91	2.751	2.747	-0.004
30	92	2.751	2.747	-0.004
30	93	2.760	2.750	-0.010
35	132	2.770	2.767	-0.002
35	133	2.763	2.761	-0.002
35	135	2.763	2.763	0.000
35	136	2.761	2.757	-0.004
35	137	2.756	2.757	0.002
50	94	2.750	2.741	-0.008
50	95	2.751	2.740	-0.012
50	96	2.751	2.741	-0.010
50	97	2.756	2.741	-0.014
50	99	2.763	2.756	-0.008
50	100	2.767	2.753	-0.014
55	186	2.761	2.757	-0.004
55	187	2.761	2.757	-0.004
55	188	2.766	2.761	-0.004
55	189	2.756	2.756	0.000
55	190	2.763	2.760	-0.004
100	101	2.766	2.741	-0.024
100	102	2.766	2.756	-0.010
100	103	2.773	2.756	-0.018
100	104	2.760	2.743	-0.016
100	105	2.761	2.743	-0.018
100	106	2.767	2.750	-0.018
100	107	2.757	2.740	-0.018
100	108	2.757	2.746	-0.012
100	109	2.766	2.747	-0.018
100	110	2.763	2.746	-0.018
100	111	2.760	2.743	-0.016
100	112	2.767	2.750	-0.018
100	113	2.751	2.730	-0.022
100	114	2.761	2.751	-0.010
100	115	2.760	2.746	-0.014
100	116	2.756	2.746	-0.010
100	117	2.756	2.737	-0.018
100	118	2.753	2.743	-0.010
100	119	2.756	2.750	-0.006
100	120	2.763	2.746	-0.018
100	121	2.773	2.756	-0.018
100	123	2.767	2.747	-0.020
100	124	2.767	2.743	-0.024
105	191	2.753	2.747	-0.006
105	192	2.761	2.751	-0.010
105	193	2.767	2.756	-0.012
105	194	2.763	2.760	-0.004
105	195	2.760	2.760	0.000
	Max	2.773	2.770	0.002
	Average	2.761	2.753	-0.008
	Min	2.750	2.730	-0.024
	Std Dev	0.006	0.008	0.007



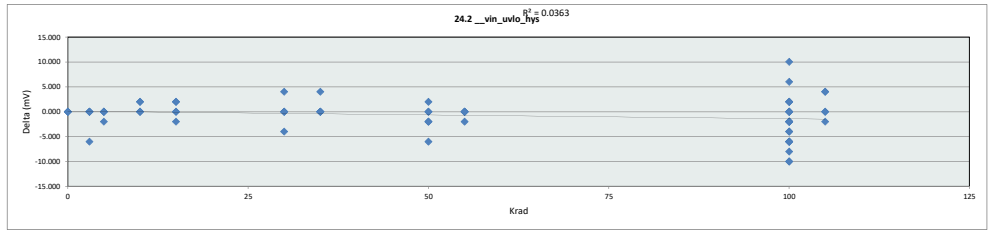
24.0_vin_uvlo_rising											
Test Site											
Tester											
Test Number											
Max Limit	2.8	V									
Min Limit	2.71	V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	2.710	2.710	2.710	2.710	2.710	2.710	2.710	2.710	2.710	2.710	2.710
Min	2.762	2.750	2.756	2.750	2.756	2.748	2.758	2.740	2.756	2.730	2.748
Average	2.764	2.754	2.762	2.754	2.763	2.751	2.762	2.746	2.758	2.746	2.755
Max	2.768	2.760	2.768	2.760	2.770	2.758	2.768	2.756	2.762	2.756	2.760
UL	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800



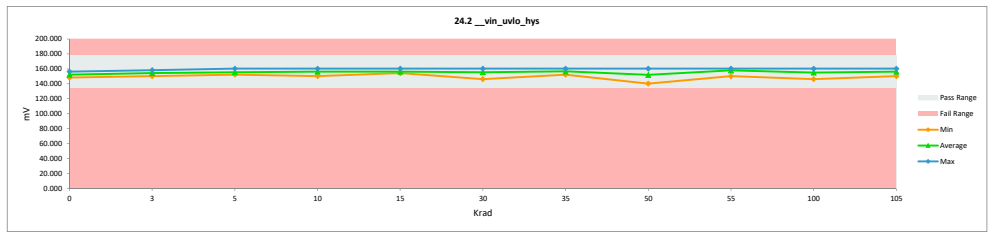


LDR TID Report  
POLARIS - TPS7H4001-SP

24.2 _vin_uvlo_hys				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	156.313	156.313	0.000
0	140	148.297	148.297	0.000
0	141	150.301	150.301	0.000
0	142	154.309	154.309	0.000
3	1	160.321	154.309	-6.012
3	2	150.301	150.301	0.000
3	3	156.313	156.313	0.000
3	4	152.305	152.305	0.000
3	5	158.317	158.317	0.000
5	6	152.305	152.305	0.000
5	7	160.321	160.321	0.000
5	8	156.313	154.309	-2.004
5	9	156.313	156.313	0.000
5	10	154.309	154.309	0.000
10	11	160.321	160.321	0.000
10	12	150.301	150.301	0.000
10	13	156.313	158.317	2.004
10	14	152.305	154.309	2.004
10	15	158.317	158.317	0.000
15	16	152.305	154.309	2.004
15	17	160.321	160.321	0.000
15	18	156.313	158.317	2.004
15	19	156.313	154.309	-2.004
15	20	154.309	154.309	0.000
30	89	160.321	160.321	0.000
30	90	150.301	146.293	-4.008
30	91	156.313	160.321	4.008
30	92	152.305	152.305	0.000
30	93	158.317	158.317	0.000
35	132	152.305	152.305	0.000
35	133	160.321	160.321	0.000
35	135	156.313	156.313	0.000
35	136	156.313	156.313	0.000
35	137	154.309	158.317	4.008
50	94	156.313	156.313	0.000
50	95	142.285	140.281	-2.004
50	96	158.317	160.321	2.004
50	97	154.309	152.305	-2.004
50	99	150.301	150.301	0.000
50	100	158.317	152.305	-6.012
55	186	160.321	160.321	0.000
55	187	158.317	158.317	0.000
55	188	162.325	160.321	-2.004
55	189	160.321	160.321	0.000
55	190	150.301	150.301	0.000
100	101	158.317	156.313	-2.004
100	102	152.305	158.317	6.012
100	103	162.325	152.305	-10.020
100	104	156.313	156.313	0.000
100	105	160.321	158.317	-2.004
100	106	154.309	156.313	2.004
100	107	156.313	156.313	0.000
100	108	156.313	158.317	2.004
100	109	156.313	148.297	-8.016
100	110	154.309	152.305	-2.004
100	111	160.321	154.309	-6.012
100	112	158.317	160.321	2.004
100	113	152.305	146.293	-6.012
100	114	158.317	154.309	-4.008
100	115	158.317	156.313	-2.004
100	116	160.321	160.321	0.000
100	117	160.321	158.317	-2.004
100	118	156.313	156.313	0.000
100	119	150.301	160.321	10.020
100	120	156.313	150.301	-6.012
100	121	162.325	158.317	-4.008
100	123	158.317	152.305	-6.012
100	124	156.313	146.293	-10.020
105	191	152.305	156.313	4.008
105	192	152.305	150.301	-2.004
105	193	160.321	160.321	0.000
105	194	152.305	156.313	4.008
105	195	158.317	158.317	0.000
	Max	162.325	160.321	10.020
	Average	155.929	155.242	-0.686
	Min	142.285	140.281	-10.020
	Std Dev	3.861	4.278	3.276

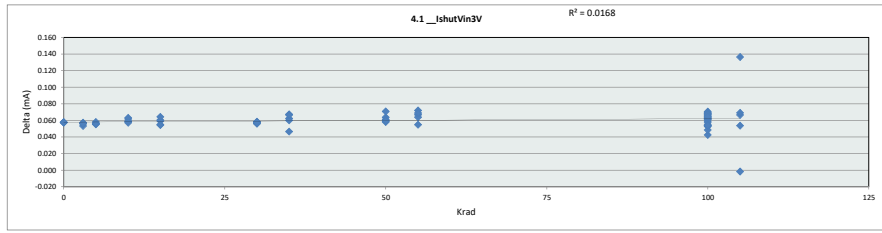


24.2_vin_uvlo_hys											
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit	LL	Min	Average	Max	UL	
			mV	178	134	134.000	148.297	152.305	156.313	178.000	
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	134.000	134.000	134.000	134.000	134.000	134.000	134.000	134.000	134.000	134.000	134.000
Min	148.297	150.301	152.305	150.301	154.309	146.293	152.305	140.281	150.301	146.293	150.301
Average	152.305	154.309	155.511	156.313	155.511	156.714	151.971	157.916	155.093	156.313	156.313
Max	156.313	158.317	160.321	160.321	160.321	160.321	160.321	160.321	160.321	160.321	160.321
UL	178.000	178.000	178.000	178.000	178.000	178.000	178.000	178.000	178.000	178.000	178.000

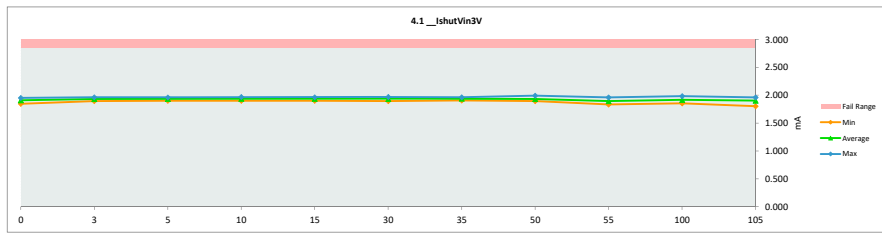


LDR TID Report  
POLARIS - TPS7H4001-SP

4.1_IshutVin3V				
Test Site				
Tester				
Test Number				
Unit		mA	mA	
Max Limit		2.85	2.85	
Min Limit				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	1.894	1.951	0.057
0	140	1.878	1.935	0.058
0	141	1.851	1.909	0.057
0	142	1.788	1.846	0.058
3	1	1.879	1.937	0.057
3	2	1.910	1.964	0.053
3	3	1.840	1.896	0.056
3	4	1.849	1.905	0.056
3	5	1.907	1.963	0.056
5	6	1.845	1.901	0.055
5	7	1.905	1.961	0.057
5	8	1.898	1.954	0.056
5	9	1.876	1.934	0.058
5	10	1.872	1.927	0.056
10	11	1.879	1.938	0.059
10	12	1.910	1.969	0.058
10	13	1.840	1.901	0.062
10	14	1.849	1.906	0.057
10	15	1.907	1.970	0.063
15	16	1.845	1.900	0.055
15	17	1.905	1.964	0.059
15	18	1.898	1.958	0.060
15	19	1.876	1.941	0.064
15	20	1.872	1.926	0.054
30	89	1.879	1.937	0.058
30	90	1.910	1.969	0.058
30	91	1.840	1.896	0.056
30	92	1.849	1.906	0.057
30	93	1.907	1.965	0.058
35	132	1.845	1.908	0.062
35	133	1.905	1.965	0.060
35	135	1.898	1.965	0.067
35	136	1.876	1.943	0.067
35	137	1.872	1.919	0.047
50	94	1.832	1.896	0.064
50	95	1.930	1.991	0.061
50	96	1.860	1.931	0.071
50	97	1.866	1.926	0.059
50	99	1.848	1.906	0.058
50	100	1.881	1.940	0.059
55	186	1.822	1.889	0.067
55	187	1.772	1.836	0.064
55	188	1.849	1.921	0.072
55	189	1.907	1.962	0.055
55	190	1.801	1.870	0.069
100	101	1.828	1.889	0.061
100	102	1.915	1.967	0.053
100	103	1.904	1.966	0.062
100	104	1.901	1.954	0.054
100	105	1.865	1.935	0.070
100	106	1.829	1.871	0.042
100	107	1.852	1.911	0.059
100	108	1.873	1.935	0.062
100	109	1.846	1.894	0.048
100	110	1.890	1.948	0.058
100	111	1.825	1.890	0.065
100	112	1.921	1.985	0.064
100	113	1.792	1.855	0.063
100	114	1.888	1.958	0.071
100	115	1.861	1.929	0.068
100	116	1.838	1.903	0.065
100	117	1.885	1.940	0.055
100	118	1.835	1.904	0.069
100	119	1.874	1.943	0.068
100	120	1.837	1.890	0.054
100	121	1.813	1.867	0.054
100	123	1.865	1.932	0.067
100	124	1.802	1.866	0.064
105	191	1.862	1.928	0.067
105	192	1.896	1.949	0.054
105	193	1.806	1.804	-0.002
105	194	1.891	1.960	0.069
105	195	1.743	1.880	0.136
	Max	1.930	1.991	0.136
	Average	1.864	1.924	0.060
	Min	1.743	1.804	-0.002
	Std Dev	0.038	0.037	0.013

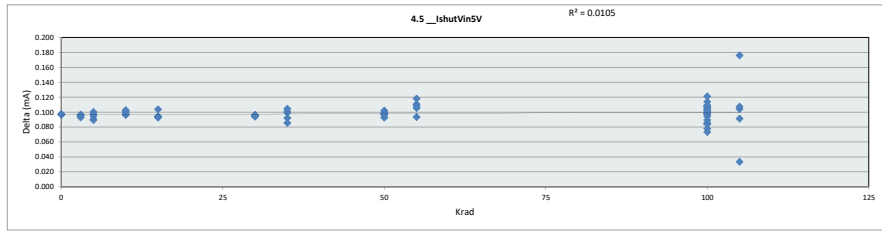


4.1_IshutVin3V										
Test Site										
Tester										
Test Number										
Max Limit	2.85	mA								
Min Limit		mA								
Krad	0	5	10	15	30	35	50	55	100	105
LL										
Min	1.846	1.896	1.901	1.901	1.900	1.896	1.908	1.896	1.836	1.804
Average	1.910	1.933	1.936	1.937	1.938	1.934	1.940	1.932	1.896	1.904
Max	1.951	1.964	1.961	1.970	1.964	1.969	1.965	1.991	1.962	1.960
UL	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850

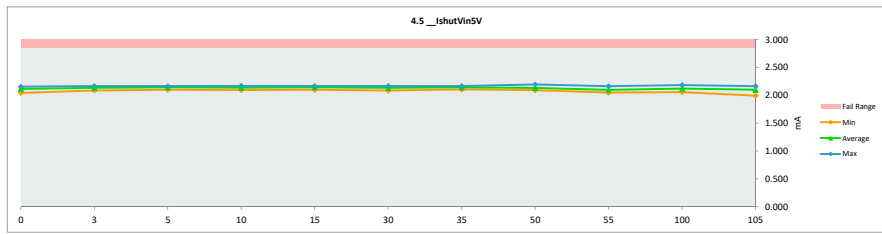


LDR TID Report  
POLARIS - TPS7H4001-SP

4.5_IshutVin5V				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	2.85	2.85		
Min Limit				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	2.056	2.153	0.097
0	140	2.040	2.137	0.097
0	141	2.029	2.125	0.097
0	142	1.943	2.041	0.098
3	1	2.035	2.132	0.097
3	2	2.070	2.163	0.093
3	3	1.991	2.086	0.095
3	4	2.025	2.121	0.096
3	5	2.068	2.164	0.096
5	6	2.005	2.100	0.095
5	7	2.073	2.163	0.090
5	8	2.067	2.156	0.089
5	9	2.039	2.137	0.098
5	10	2.048	2.149	0.100
10	11	2.035	2.134	0.099
10	12	2.070	2.167	0.097
10	13	1.991	2.092	0.101
10	14	2.025	2.121	0.096
10	15	2.068	2.171	0.103
15	16	2.005	2.099	0.094
15	17	2.073	2.165	0.093
15	18	2.067	2.160	0.093
15	19	2.039	2.143	0.104
15	20	2.048	2.142	0.093
30	89	2.035	2.131	0.096
30	90	2.070	2.166	0.096
30	91	1.991	2.085	0.094
30	92	2.025	2.119	0.095
30	93	2.068	2.165	0.096
35	132	2.005	2.106	0.101
35	133	2.073	2.165	0.092
35	135	2.067	2.166	0.099
35	136	2.039	2.144	0.105
35	137	2.048	2.134	0.085
50	94	1.988	2.090	0.102
50	95	2.093	2.193	0.099
50	96	2.038	2.131	0.093
50	97	2.028	2.125	0.098
50	99	2.006	2.102	0.096
50	100	2.041	2.139	0.098
55	186	1.981	2.086	0.105
55	187	1.930	2.048	0.118
55	188	2.005	2.116	0.111
55	189	2.069	2.163	0.093
55	190	1.957	2.065	0.108
100	101	1.986	2.083	0.097
100	102	2.095	2.168	0.073
100	103	2.067	2.165	0.098
100	104	2.062	2.170	0.108
100	105	2.022	2.130	0.107
100	106	1.989	2.067	0.078
100	107	2.013	2.127	0.114
100	108	2.033	2.132	0.098
100	109	2.002	2.087	0.084
100	110	2.050	2.144	0.094
100	111	2.000	2.085	0.085
100	112	2.084	2.183	0.099
100	113	1.967	2.068	0.102
100	114	2.073	2.157	0.084
100	115	2.023	2.144	0.121
100	116	1.998	2.100	0.102
100	117	2.046	2.155	0.109
100	118	1.995	2.100	0.105
100	119	2.036	2.141	0.105
100	120	1.995	2.084	0.089
100	121	1.968	2.076	0.108
100	123	2.026	2.130	0.104
100	124	1.956	2.057	0.102
105	191	2.022	2.126	0.104
105	192	2.057	2.149	0.091
105	193	1.959	1.992	0.033
105	194	2.054	2.161	0.107
105	195	1.895	2.071	0.176
	Max	2.095	2.193	0.176
	Average	2.027	2.125	0.098
	Min	1.895	1.992	0.033
	Std Dev	0.041	0.039	0.014

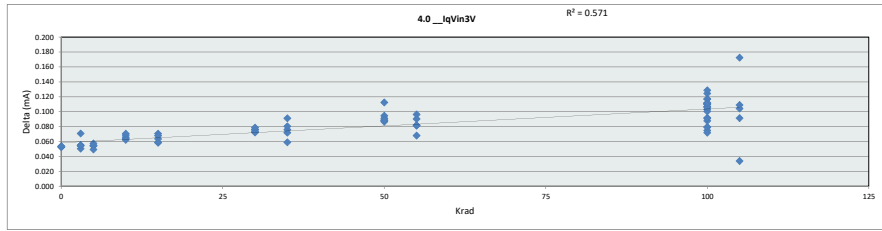


4.5_IshutVin5V										
Test Site										
Tester										
Test Number										
Max Limit	2.85	mA								
Min Limit		mA								
Krad	0	5	10	15	30	35	50	55	100	105
LL										
Min	2.041	2.086	2.100	2.092	2.099	2.085	2.106	2.090	2.048	1.992
Average	2.114	2.133	2.141	2.137	2.142	2.133	2.143	2.130	2.096	2.120
Max	2.153	2.164	2.163	2.171	2.165	2.166	2.166	2.193	2.163	2.183
UL	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850	2.850

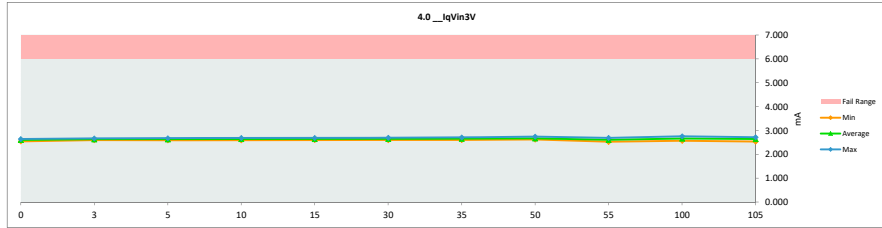


LDR TID Report  
POLARIS - TPS7H4001-SP

4.0_IqVin3V				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	6	6		
Min Limit				
Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	2.589	2.642	0.053
0	140	2.576	2.628	0.052
0	141	2.531	2.585	0.053
0	142	2.487	2.541	0.054
3	1	2.579	2.635	0.055
3	2	2.613	2.663	0.050
3	3	2.540	2.595	0.054
3	4	2.524	2.595	0.071
3	5	2.617	2.672	0.054
5	6	2.552	2.606	0.054
5	7	2.607	2.661	0.054
5	8	2.620	2.677	0.057
5	9	2.568	2.623	0.055
5	10	2.542	2.591	0.049
10	11	2.579	2.645	0.066
10	12	2.613	2.677	0.064
10	13	2.540	2.609	0.069
10	14	2.524	2.587	0.062
10	15	2.617	2.688	0.071
15	16	2.552	2.610	0.058
15	17	2.607	2.670	0.064
15	18	2.620	2.690	0.071
15	19	2.568	2.636	0.068
15	20	2.542	2.601	0.059
30	89	2.579	2.656	0.076
30	90	2.613	2.689	0.076
30	91	2.540	2.614	0.074
30	92	2.524	2.596	0.072
30	93	2.617	2.696	0.079
35	132	2.552	2.628	0.076
35	133	2.607	2.679	0.072
35	135	2.620	2.711	0.091
35	136	2.568	2.649	0.080
35	137	2.542	2.601	0.059
50	94	2.526	2.620	0.095
50	95	2.651	2.743	0.091
50	96	2.551	2.663	0.112
50	97	2.561	2.648	0.087
50	99	2.561	2.649	0.088
50	100	2.594	2.683	0.089
55	186	2.527	2.608	0.081
55	187	2.457	2.525	0.068
55	188	2.542	2.639	0.096
55	189	2.606	2.688	0.082
55	190	2.506	2.596	0.090
100	101	2.536	2.646	0.110
100	102	2.636	2.753	0.117
100	103	2.620	2.727	0.107
100	104	2.624	2.703	0.079
100	105	2.568	2.685	0.117
100	106	2.536	2.624	0.088
100	107	2.552	2.631	0.080
100	108	2.561	2.671	0.110
100	109	2.533	2.625	0.092
100	110	2.592	2.695	0.103
100	111	2.486	2.610	0.124
100	112	2.640	2.751	0.111
100	113	2.462	2.569	0.107
100	114	2.590	2.719	0.129
100	115	2.567	2.658	0.091
100	116	2.510	2.620	0.110
100	117	2.603	2.678	0.075
100	118	2.530	2.641	0.111
100	119	2.572	2.684	0.112
100	120	2.522	2.622	0.100
100	121	2.521	2.593	0.072
100	123	2.566	2.671	0.105
100	124	2.507	2.618	0.111
105	191	2.547	2.656	0.109
105	192	2.608	2.699	0.091
105	193	2.503	2.537	0.034
105	194	2.609	2.713	0.104
105	195	2.440	2.613	0.173
Max		2.651	2.753	0.173
Average		2.563	2.646	0.083
Min		2.440	2.525	0.034
Std Dev		0.046	0.048	0.025

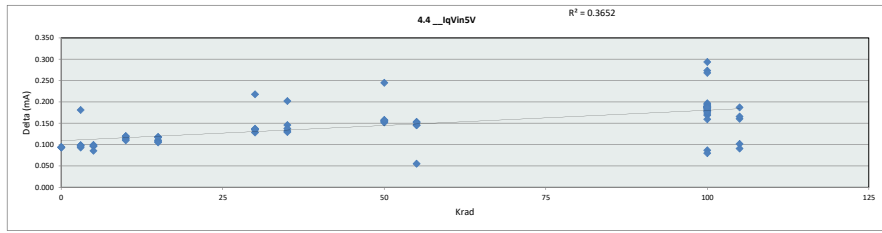


4.0_IqVin3V											
Test Site											
Tester											
Test Number											
Max Limit	6	mA									
Min Limit	6	mA									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	2.541	2.595	2.591	2.587	2.601	2.596	2.601	2.620	2.525	2.569	2.537
Average	2.599	2.632	2.632	2.641	2.642	2.650	2.653	2.668	2.611	2.661	2.644
Max	2.642	2.672	2.677	2.688	2.690	2.696	2.711	2.743	2.688	2.753	2.713
UL	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000

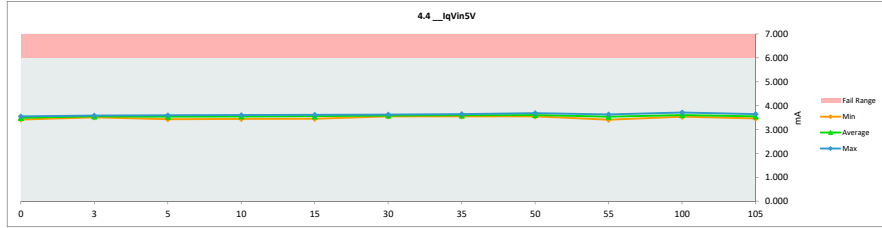


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4.4 IqVin5V				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	6	6		
Min Limit				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	3.459	3.553	0.094
0	140	3.451	3.544	0.093
0	141	3.323	3.416	0.093
0	142	3.363	3.458	0.095
3	1	3.462	3.560	0.099
3	2	3.494	3.587	0.093
3	3	3.413	3.512	0.098
3	4	3.335	3.516	0.181
3	5	3.484	3.580	0.096
5	6	3.431	3.527	0.096
5	7	3.497	3.594	0.097
5	8	3.499	3.598	0.100
5	9	3.438	3.534	0.097
5	10	3.347	3.433	0.086
10	11	3.462	3.577	0.115
10	12	3.494	3.607	0.113
10	13	3.413	3.533	0.120
10	14	3.335	3.445	0.110
10	15	3.484	3.604	0.120
15	16	3.431	3.539	0.108
15	17	3.497	3.607	0.110
15	18	3.499	3.617	0.118
15	19	3.438	3.554	0.117
15	20	3.347	3.452	0.105
30	89	3.462	3.598	0.136
30	90	3.494	3.623	0.128
30	91	3.413	3.548	0.135
30	92	3.335	3.553	0.218
30	93	3.484	3.621	0.137
35	132	3.431	3.563	0.132
35	133	3.497	3.626	0.129
35	135	3.499	3.645	0.146
35	136	3.438	3.575	0.138
35	137	3.347	3.549	0.202
50	94	3.397	3.553	0.156
50	95	3.529	3.685	0.156
50	96	3.366	3.611	0.245
50	97	3.425	3.579	0.154
50	99	3.438	3.590	0.152
50	100	3.464	3.622	0.158
55	186	3.408	3.553	0.145
55	187	3.352	3.407	0.055
55	188	3.403	3.556	0.154
55	189	3.486	3.632	0.145
55	190	3.373	3.525	0.152
100	101	3.390	3.581	0.191
100	102	3.527	3.712	0.185
100	103	3.498	3.687	0.188
100	104	3.489	3.575	0.087
100	105	3.443	3.640	0.197
100	106	3.421	3.589	0.169
100	107	3.434	3.620	0.186
100	108	3.436	3.630	0.194
100	109	3.382	3.554	0.172
100	110	3.459	3.640	0.180
100	111	3.281	3.554	0.273
100	112	3.512	3.701	0.189
100	113	3.269	3.563	0.293
100	114	3.404	3.587	0.183
100	115	3.456	3.536	0.080
100	116	3.382	3.571	0.189
100	117	3.391	3.550	0.160
100	118	3.407	3.594	0.187
100	119	3.358	3.626	0.268
100	120	3.388	3.565	0.178
100	121	3.402	3.578	0.176
100	123	3.436	3.623	0.187
100	124	3.364	3.551	0.187
105	191	3.443	3.630	0.187
105	192	3.486	3.647	0.161
105	193	3.364	3.466	0.101
105	194	3.475	3.566	0.091
105	195	3.296	3.461	0.166
105	Max	3.529	3.712	0.293
105	Average	3.425	3.572	0.147
105	Min	3.269	3.407	0.055
105	Std Dev	0.061	0.063	0.048

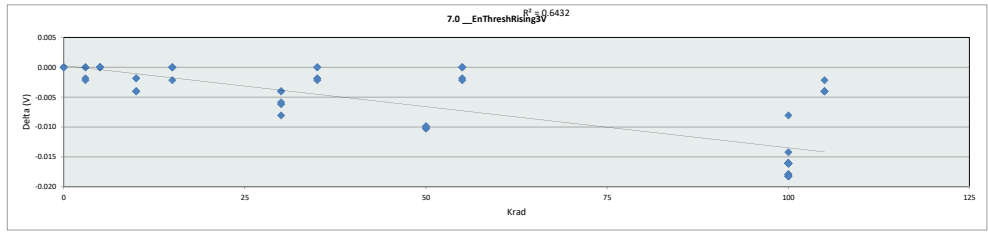


4.4 IqVin5V											
Test Site											
Tester											
Test Number											
Max Limit	6	mA									
Min Limit		mA									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	3.416	3.512	3.433	3.445	3.452	3.548	3.549	3.553	3.407	3.536	3.461
Average	3.493	3.551	3.537	3.553	3.554	3.588	3.592	3.607	3.535	3.601	3.554
Max	3.553	3.587	3.598	3.607	3.617	3.623	3.645	3.685	3.632	3.712	3.647
UL	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000

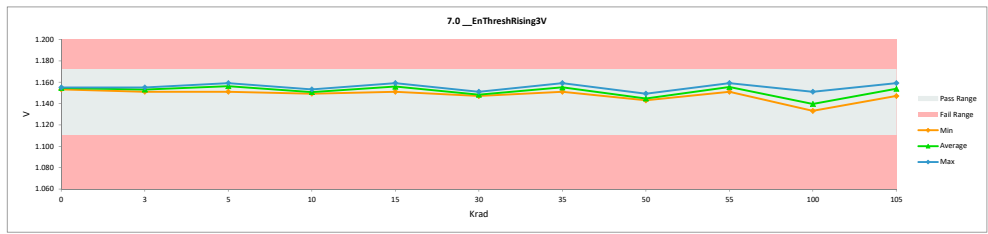


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7.0_EnThreshRising3V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.172	1.172		
Min Limit	1.11	1.11		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	1.155	1.155	0.000
0	140	1.155	1.155	0.000
0	141	1.155	1.155	0.000
0	142	1.153	1.153	0.000
3	1	1.153	1.151	-0.002
3	2	1.155	1.153	-0.002
3	3	1.155	1.155	0.000
3	4	1.155	1.155	0.000
3	5	1.151	1.151	0.000
5	6	1.151	1.151	0.000
5	7	1.159	1.159	0.000
5	8	1.159	1.159	0.000
5	9	1.159	1.159	0.000
5	10	1.153	1.153	0.000
10	11	1.153	1.149	-0.004
10	12	1.155	1.151	-0.004
10	13	1.155	1.153	-0.002
10	14	1.155	1.151	-0.004
10	15	1.151	1.149	-0.002
15	16	1.151	1.151	0.000
15	17	1.159	1.159	0.000
15	18	1.159	1.159	0.000
15	19	1.159	1.159	0.000
15	20	1.153	1.151	-0.002
30	89	1.153	1.147	-0.006
30	90	1.155	1.147	-0.008
30	91	1.155	1.151	-0.004
30	92	1.155	1.149	-0.006
30	93	1.151	1.147	-0.004
35	132	1.151	1.151	0.000
35	133	1.159	1.157	-0.002
35	135	1.159	1.159	0.000
35	136	1.159	1.157	-0.002
35	137	1.153	1.151	-0.002
50	94	1.159	1.149	-0.010
50	95	1.153	1.143	-0.010
50	96	1.153	1.143	-0.010
50	97	1.153	1.143	-0.010
50	99	1.155	1.145	-0.010
50	100	1.155	1.145	-0.010
55	186	1.155	1.153	-0.002
55	187	1.161	1.159	-0.002
55	188	1.155	1.155	0.000
55	189	1.151	1.151	0.000
55	190	1.159	1.159	0.000
100	101	1.159	1.143	-0.016
100	102	1.155	1.137	-0.018
100	103	1.161	1.143	-0.018
100	104	1.155	1.137	-0.018
100	105	1.149	1.133	-0.016
100	106	1.159	1.143	-0.016
100	107	1.155	1.137	-0.018
100	108	1.153	1.139	-0.014
100	109	1.157	1.141	-0.016
100	110	1.157	1.139	-0.018
100	111	1.161	1.145	-0.016
100	112	1.153	1.135	-0.018
100	113	1.157	1.141	-0.016
100	114	1.153	1.137	-0.016
100	115	1.155	1.139	-0.016
100	116	1.151	1.135	-0.016
100	117	1.155	1.137	-0.018
100	118	1.155	1.139	-0.016
100	119	1.159	1.151	-0.008
100	120	1.155	1.139	-0.016
100	121	1.157	1.141	-0.016
100	123	1.155	1.139	-0.016
100	124	1.157	1.139	-0.018
105	191	1.153	1.149	-0.004
105	192	1.157	1.155	-0.002
105	193	1.163	1.159	-0.004
105	194	1.151	1.147	-0.004
105	195	1.163	1.159	-0.004
	Max	1.163	1.159	0.000
	Average	1.156	1.149	-0.007
	Min	1.149	1.133	-0.018
	Std Dev	0.003	0.008	0.007



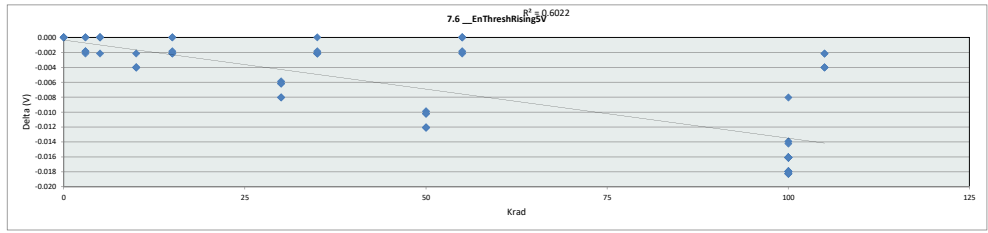
7.0_EnThreshRising3V											
Test Site											
Tester											
Test Number											
Max Limit	1.172	V									
Min Limit	1.111	V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110
Min	1.153	1.151	1.151	1.149	1.151	1.147	1.151	1.143	1.151	1.133	1.147
Average	1.155	1.153	1.156	1.151	1.156	1.148	1.155	1.145	1.156	1.140	1.154
Max	1.155	1.155	1.159	1.153	1.159	1.151	1.159	1.149	1.159	1.151	1.159
UL	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172



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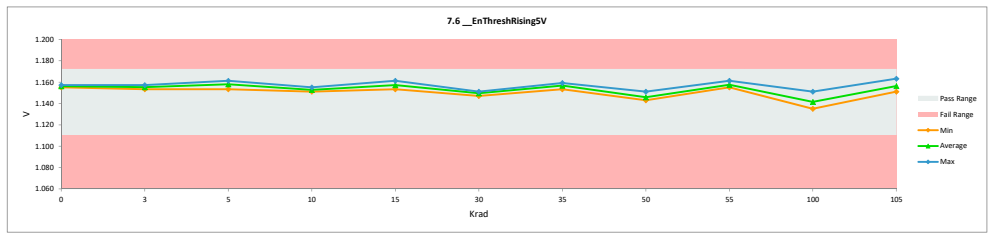
7.6_EnThreshRising5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.172
Min Limit	1.11

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	1.157	1.157	0.000
0	140	1.157	1.157	0.000
0	141	1.155	1.155	0.000
0	142	1.155	1.155	0.000
3	1	1.155	1.153	-0.002
3	2	1.157	1.155	-0.002
3	3	1.157	1.157	0.000
3	4	1.157	1.157	0.000
3	5	1.155	1.153	-0.002
5	6	1.153	1.153	0.000
5	7	1.161	1.159	-0.002
5	8	1.161	1.161	0.000
5	9	1.161	1.161	0.000
5	10	1.155	1.155	0.000
10	11	1.155	1.151	-0.004
10	12	1.157	1.153	-0.004
10	13	1.157	1.155	-0.002
10	14	1.157	1.153	-0.004
10	15	1.155	1.151	-0.004
15	16	1.153	1.153	0.000
15	17	1.161	1.159	-0.002
15	18	1.161	1.161	0.000
15	19	1.161	1.159	-0.002
15	20	1.155	1.153	-0.002
30	89	1.155	1.149	-0.006
30	90	1.157	1.149	-0.008
30	91	1.157	1.151	-0.006
30	92	1.157	1.151	-0.006
30	93	1.155	1.147	-0.008
35	132	1.153	1.153	0.000
35	133	1.161	1.159	-0.002
35	135	1.161	1.159	-0.002
35	136	1.161	1.159	-0.002
35	137	1.155	1.153	-0.002
50	94	1.161	1.151	-0.010
50	95	1.155	1.143	-0.012
50	96	1.155	1.143	-0.012
50	97	1.155	1.145	-0.010
50	99	1.157	1.145	-0.012
50	100	1.157	1.147	-0.010
55	186	1.157	1.155	-0.002
55	187	1.163	1.161	-0.002
55	188	1.155	1.155	0.000
55	189	1.155	1.155	0.000
55	190	1.161	1.161	0.000
100	101	1.161	1.143	-0.018
100	102	1.155	1.139	-0.016
100	103	1.163	1.145	-0.018
100	104	1.157	1.139	-0.018
100	105	1.151	1.135	-0.016
100	106	1.163	1.145	-0.018
100	107	1.157	1.139	-0.018
100	108	1.155	1.141	-0.014
100	109	1.159	1.141	-0.018
100	110	1.159	1.141	-0.018
100	111	1.163	1.147	-0.016
100	112	1.155	1.137	-0.018
100	113	1.157	1.143	-0.014
100	114	1.155	1.139	-0.016
100	115	1.157	1.141	-0.016
100	116	1.153	1.137	-0.016
100	117	1.157	1.139	-0.018
100	118	1.157	1.141	-0.016
100	119	1.159	1.151	-0.008
100	120	1.157	1.141	-0.016
100	121	1.159	1.143	-0.016
100	123	1.157	1.141	-0.016
100	124	1.159	1.143	-0.016
105	191	1.155	1.151	-0.004
105	192	1.159	1.155	-0.004
105	193	1.165	1.163	-0.002
105	194	1.153	1.151	-0.002
105	195	1.165	1.161	-0.004
	Max	1.165	1.163	0.000
	Average	1.158	1.150	-0.007
	Min	1.151	1.135	-0.018
	Std Dev	0.003	0.008	0.007



7.6_EnThreshRising5V	
Test Site	
Tester	
Test Number	
Max Limit	1.172
Min Limit	1.111

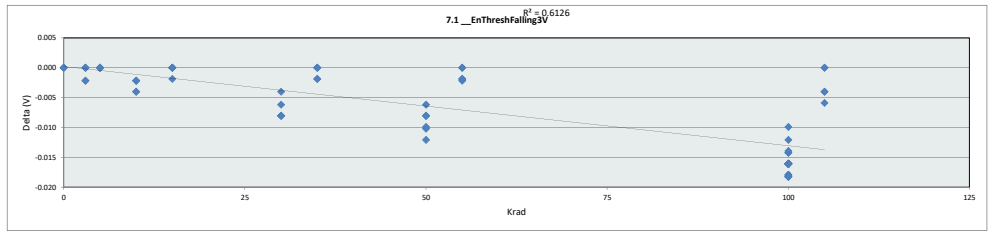
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110
Min	1.155	1.153	1.153	1.151	1.153	1.147	1.153	1.143	1.155	1.135	1.151
Average	1.156	1.155	1.158	1.153	1.157	1.150	1.157	1.146	1.158	1.141	1.156
Max	1.157	1.157	1.161	1.155	1.161	1.151	1.159	1.151	1.161	1.151	1.163
UL	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172



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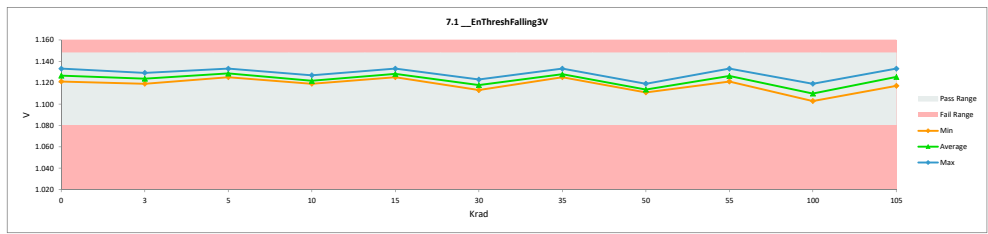
7.1_EnThreshFalling3V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.148
Min Limit	1.08

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	1.121	1.121	0.000
0	140	1.133	1.133	0.000
0	141	1.129	1.129	0.000
0	142	1.123	1.123	0.000
3	1	1.125	1.123	-0.002
3	2	1.121	1.119	-0.002
3	3	1.129	1.129	0.000
3	4	1.127	1.127	0.000
3	5	1.121	1.121	0.000
5	6	1.125	1.125	0.000
5	7	1.127	1.127	0.000
5	8	1.127	1.127	0.000
5	9	1.133	1.133	0.000
5	10	1.131	1.131	0.000
10	11	1.125	1.121	-0.004
10	12	1.121	1.119	-0.002
10	13	1.129	1.127	-0.002
10	14	1.127	1.123	-0.004
10	15	1.121	1.119	-0.002
15	16	1.125	1.125	0.000
15	17	1.127	1.127	0.000
15	18	1.127	1.127	0.000
15	19	1.133	1.133	0.000
15	20	1.131	1.129	-0.002
30	89	1.125	1.117	-0.008
30	90	1.121	1.113	-0.008
30	91	1.129	1.123	-0.006
30	92	1.127	1.119	-0.008
30	93	1.121	1.117	-0.004
35	132	1.125	1.125	0.000
35	133	1.127	1.127	0.000
35	135	1.127	1.125	-0.002
35	136	1.133	1.133	0.000
35	137	1.131	1.129	-0.002
50	94	1.129	1.119	-0.010
50	95	1.117	1.111	-0.006
50	96	1.119	1.111	-0.008
50	97	1.123	1.113	-0.010
50	99	1.127	1.115	-0.012
50	100	1.121	1.113	-0.008
55	186	1.125	1.125	0.000
55	187	1.133	1.133	0.000
55	188	1.125	1.123	-0.002
55	189	1.123	1.121	-0.002
55	190	1.131	1.129	-0.002
100	101	1.127	1.111	-0.016
100	102	1.125	1.107	-0.018
100	103	1.131	1.113	-0.018
100	104	1.121	1.105	-0.016
100	105	1.121	1.103	-0.018
100	106	1.131	1.115	-0.016
100	107	1.125	1.109	-0.016
100	108	1.125	1.107	-0.018
100	109	1.127	1.111	-0.016
100	110	1.125	1.109	-0.016
100	111	1.133	1.119	-0.014
100	112	1.123	1.107	-0.016
100	113	1.127	1.115	-0.012
100	114	1.125	1.109	-0.016
100	115	1.125	1.111	-0.014
100	116	1.125	1.109	-0.016
100	117	1.123	1.107	-0.016
100	118	1.125	1.109	-0.016
100	119	1.127	1.117	-0.010
100	120	1.123	1.105	-0.018
100	121	1.127	1.113	-0.014
100	123	1.123	1.105	-0.018
100	124	1.129	1.111	-0.018
105	191	1.125	1.125	0.000
105	192	1.127	1.121	-0.006
105	193	1.133	1.133	0.000
105	194	1.121	1.117	-0.004
105	195	1.135	1.131	-0.004
	Max	1.135	1.133	0.000
	Average	1.126	1.119	-0.007
	Min	1.117	1.103	-0.018
	Std Dev	0.004	0.009	0.007



7.1_EnThreshFalling3V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.148
Min Limit	1.08

	0	3	5	10	15	30	35	50	55	100	105
LL	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
Min	1.121	1.119	1.125	1.119	1.125	1.113	1.125	1.111	1.121	1.103	1.117
Average	1.127	1.124	1.129	1.122	1.128	1.118	1.128	1.114	1.126	1.110	1.126
Max	1.133	1.129	1.133	1.127	1.133	1.123	1.133	1.119	1.133	1.119	1.133
UL	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148

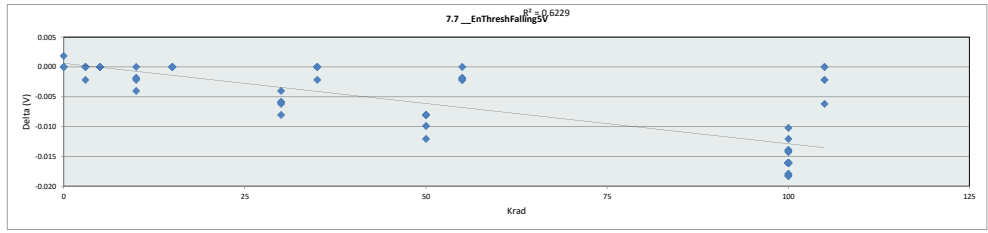




LDR TID Report  
POLARIS - TPS7H4001-SP

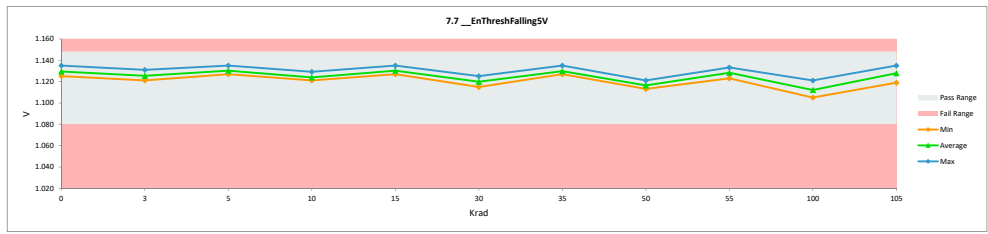
7.7_EnThreshFallingSV			
Test Site			
Tester			
Test Number			
Unit	V	V	
Max Limit	1.148	1.148	
Min Limit	1.08	1.08	

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	1.125	1.125	0.000
0	140	1.133	1.135	0.002
0	141	1.131	1.131	0.000
0	142	1.127	1.127	0.000
3	1	1.125	1.125	0.000
3	2	1.121	1.121	0.000
3	3	1.131	1.131	0.000
3	4	1.129	1.127	-0.002
3	5	1.123	1.123	0.000
5	6	1.127	1.127	0.000
5	7	1.129	1.129	0.000
5	8	1.129	1.129	0.000
5	9	1.135	1.135	0.000
5	10	1.131	1.131	0.000
10	11	1.125	1.123	-0.002
10	12	1.121	1.121	0.000
10	13	1.131	1.129	-0.002
10	14	1.129	1.125	-0.004
10	15	1.123	1.121	-0.002
15	16	1.127	1.127	0.000
15	17	1.129	1.129	0.000
15	18	1.129	1.129	0.000
15	19	1.135	1.135	0.000
15	20	1.131	1.131	0.000
30	89	1.125	1.121	-0.004
30	90	1.121	1.115	-0.006
30	91	1.131	1.125	-0.006
30	92	1.129	1.121	-0.008
30	93	1.123	1.117	-0.006
35	132	1.127	1.127	0.000
35	133	1.129	1.129	0.000
35	135	1.129	1.127	-0.002
35	136	1.135	1.135	0.000
35	137	1.131	1.131	0.000
50	94	1.131	1.121	-0.010
50	95	1.121	1.113	-0.008
50	96	1.121	1.113	-0.008
50	97	1.125	1.117	-0.008
50	99	1.129	1.117	-0.012
50	100	1.125	1.117	-0.008
55	186	1.129	1.127	-0.002
55	187	1.133	1.133	0.000
55	188	1.127	1.125	-0.002
55	189	1.125	1.123	-0.002
55	190	1.135	1.133	-0.002
100	101	1.131	1.115	-0.016
100	102	1.127	1.111	-0.016
100	103	1.133	1.117	-0.016
100	104	1.125	1.107	-0.018
100	105	1.123	1.105	-0.018
100	106	1.133	1.117	-0.016
100	107	1.125	1.109	-0.016
100	108	1.129	1.111	-0.018
100	109	1.129	1.113	-0.016
100	110	1.127	1.109	-0.018
100	111	1.135	1.121	-0.014
100	112	1.125	1.109	-0.016
100	113	1.129	1.117	-0.012
100	114	1.127	1.111	-0.016
100	115	1.127	1.113	-0.014
100	116	1.127	1.111	-0.016
100	117	1.125	1.109	-0.016
100	118	1.125	1.111	-0.014
100	119	1.129	1.119	-0.010
100	120	1.125	1.107	-0.018
100	121	1.129	1.115	-0.014
100	123	1.125	1.109	-0.016
100	124	1.129	1.111	-0.018
105	191	1.127	1.127	0.000
105	192	1.129	1.123	-0.006
105	193	1.135	1.135	0.000
105	194	1.121	1.119	-0.002
105	195	1.137	1.135	-0.002
	Max	1.137	1.135	0.002
	Average	1.128	1.122	-0.007
	Min	1.121	1.105	-0.018
	Std Dev	0.004	0.008	0.007



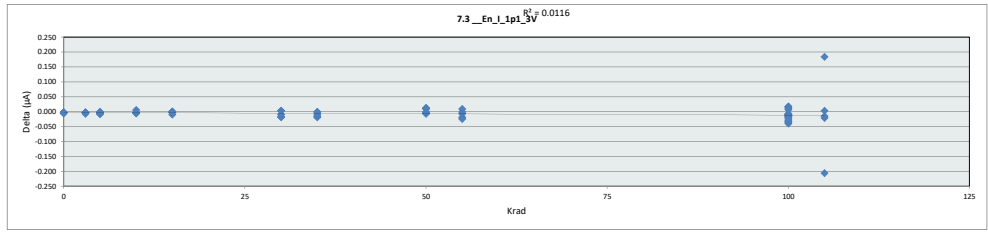
7.7_EnThreshFallingSV			
Test Site			
Tester			
Test Number			
Max Limit	1.148	V	
Min Limit	1.08		

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
Min	1.125	1.121	1.127	1.121	1.127	1.115	1.127	1.113	1.123	1.105	1.119
Average	1.130	1.125	1.130	1.124	1.130	1.120	1.130	1.116	1.128	1.112	1.128
Max	1.135	1.131	1.135	1.129	1.135	1.125	1.135	1.121	1.133	1.121	1.135
UL	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148

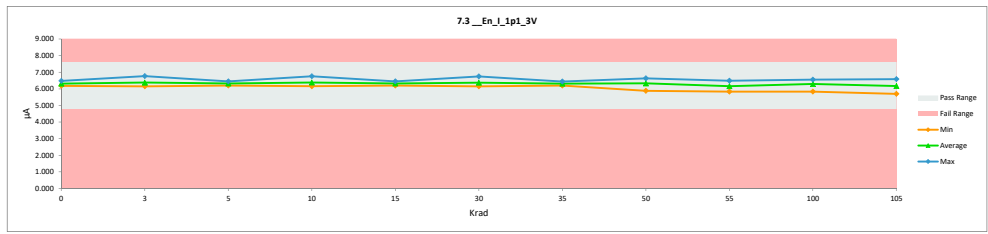


LDR TID Report  
POLARIS - TPS7H4001-SP

7.3 En_I_1p1_3V				
Test Site				
Tester				
Test Number				
Unit	µA	µA		
Max Limit	7.6	7.6		
Min Limit	4.8	4.8		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	6.483	6.480	-0.003
0	140	6.318	6.312	-0.006
0	141	6.281	6.280	-0.001
0	142	6.183	6.179	-0.004
3	1	6.280	6.277	-0.003
3	2	6.767	6.765	-0.002
3	3	6.171	6.164	-0.007
3	4	6.150	6.147	-0.003
3	5	6.534	6.531	-0.003
5	6	6.248	6.241	-0.007
5	7	6.453	6.453	0.000
5	8	6.426	6.418	-0.008
5	9	6.315	6.312	-0.003
5	10	6.201	6.197	-0.004
10	11	6.280	6.277	-0.003
10	12	6.767	6.761	-0.006
10	13	6.171	6.168	-0.003
10	14	6.150	6.156	0.006
10	15	6.534	6.530	-0.004
15	16	6.248	6.238	-0.010
15	17	6.453	6.450	-0.003
15	18	6.426	6.427	0.001
15	19	6.315	6.315	0.000
15	20	6.201	6.199	-0.002
30	89	6.280	6.283	0.003
30	90	6.767	6.748	-0.019
30	91	6.171	6.155	-0.016
30	92	6.150	6.153	0.003
30	93	6.534	6.525	-0.009
35	132	6.248	6.229	-0.019
35	133	6.453	6.437	-0.016
35	135	6.426	6.426	0.000
35	136	6.315	6.304	-0.011
35	137	6.201	6.197	-0.004
50	94	5.871	5.884	0.013
50	95	6.626	6.636	0.010
50	96	6.367	6.363	-0.004
50	97	6.463	6.456	-0.007
50	99	6.234	6.233	-0.001
50	100	6.393	6.403	0.010
55	186	6.247	6.240	-0.007
55	187	5.833	5.832	-0.001
55	188	6.509	6.490	-0.019
55	189	6.148	6.157	0.009
55	190	6.097	6.073	-0.024
100	101	6.323	6.310	-0.013
100	102	6.456	6.449	-0.007
100	103	6.423	6.386	-0.037
100	104	6.487	6.456	-0.031
100	105	6.593	6.553	-0.040
100	106	6.169	6.152	-0.017
100	107	6.363	6.350	-0.013
100	108	6.441	6.452	0.011
100	109	6.410	6.393	-0.017
100	110	6.429	6.398	-0.031
100	111	5.908	5.925	0.017
100	112	6.451	6.439	-0.012
100	113	5.839	5.829	-0.010
100	114	6.119	6.133	0.014
100	115	6.255	6.248	-0.007
100	116	6.463	6.480	0.017
100	117	6.130	6.109	-0.021
100	118	6.233	6.224	-0.009
100	119	6.203	6.191	-0.012
100	120	6.305	6.271	-0.034
100	121	6.188	6.195	0.007
100	123	6.458	6.439	-0.019
100	124	6.325	6.300	-0.025
105	191	6.324	6.303	-0.021
105	192	6.357	6.342	-0.015
105	193	5.907	5.701	-0.206
105	194	6.580	6.583	0.003
105	195	5.728	5.912	0.184
	Max	6.767	6.765	0.184
	Average	6.309	6.302	-0.007
	Min	5.728	5.701	-0.206
	Std Dev	0.208	0.207	0.035

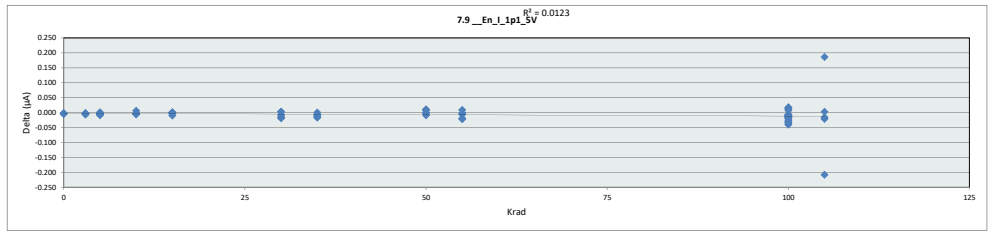


7.3 En_I_1p1_3V											
Test Site											
Tester											
Test Number											
Max Limit	7.6	µA									
Min Limit	4.8	µA									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
Min	6.179	6.147	6.197	6.156	6.199	6.153	6.197	5.884	5.832	5.829	5.701
Average	6.313	6.377	6.324	6.378	6.326	6.373	6.319	6.329	6.158	6.291	6.168
Max	6.480	6.765	6.453	6.761	6.450	6.748	6.437	6.636	6.490	6.553	6.583
UL	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600

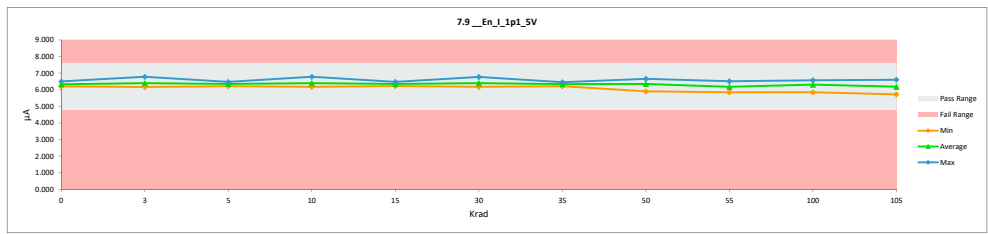


LDR TID Report  
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7.9_En_I_1p1_5V				
Test Site				
Tester				
Test Number				
Unit	µA	µA		
Max Limit	7.6	7.6		
Min Limit	4.8	4.8		
Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	6.502	6.500	-0.002
0	140	6.337	6.332	-0.005
0	141	6.301	6.299	-0.002
0	142	6.202	6.199	-0.003
3	1	6.299	6.295	-0.004
3	2	6.786	6.784	-0.002
3	3	6.190	6.183	-0.007
3	4	6.168	6.166	-0.002
3	5	6.554	6.551	-0.003
5	6	6.266	6.261	-0.005
5	7	6.472	6.473	0.001
5	8	6.446	6.437	-0.009
5	9	6.335	6.331	-0.004
5	10	6.221	6.217	-0.004
10	11	6.299	6.297	-0.002
10	12	6.786	6.780	-0.006
10	13	6.190	6.187	-0.003
10	14	6.168	6.174	0.006
10	15	6.554	6.550	-0.004
15	16	6.266	6.256	-0.010
15	17	6.472	6.470	-0.002
15	18	6.446	6.447	0.001
15	19	6.335	6.335	0.000
15	20	6.221	6.218	-0.003
30	89	6.299	6.302	0.003
30	90	6.786	6.767	-0.019
30	91	6.190	6.175	-0.015
30	92	6.168	6.171	0.003
30	93	6.554	6.546	-0.008
35	132	6.266	6.249	-0.017
35	133	6.472	6.457	-0.015
35	135	6.446	6.446	0.000
35	136	6.335	6.324	-0.011
35	137	6.221	6.215	-0.006
50	94	5.890	5.901	0.011
50	95	6.648	6.555	-0.093
50	96	6.385	6.383	-0.002
50	97	6.483	6.474	-0.009
50	99	6.253	6.252	-0.001
50	100	6.412	6.421	0.009
55	186	6.265	6.259	-0.006
55	187	5.852	5.850	-0.002
55	188	6.529	6.510	-0.019
55	189	6.168	6.177	0.009
55	190	6.115	6.093	-0.022
100	101	6.342	6.329	-0.013
100	102	6.474	6.466	-0.008
100	103	6.443	6.404	-0.039
100	104	6.507	6.474	-0.033
100	105	6.614	6.574	-0.040
100	106	6.188	6.171	-0.017
100	107	6.383	6.369	-0.014
100	108	6.460	6.472	0.012
100	109	6.430	6.414	-0.016
100	110	6.449	6.418	-0.031
100	111	5.931	5.944	0.013
100	112	6.471	6.461	-0.010
100	113	5.857	5.848	-0.009
100	114	6.138	6.153	0.015
100	115	6.275	6.269	-0.006
100	116	6.482	6.500	0.018
100	117	6.148	6.127	-0.021
100	118	6.252	6.244	-0.008
100	119	6.223	6.210	-0.013
100	120	6.325	6.292	-0.033
100	121	6.207	6.214	0.007
100	123	6.477	6.458	-0.019
100	124	6.344	6.318	-0.026
105	191	6.344	6.323	-0.021
105	192	6.378	6.362	-0.016
105	193	5.926	5.718	-0.208
105	194	6.600	6.603	0.003
105	195	5.745	5.931	0.186
	Max	6.786	6.784	0.186
	Average	6.328	6.321	-0.007
	Min	5.745	5.718	-0.208
	Std Dev	0.209	0.207	0.035

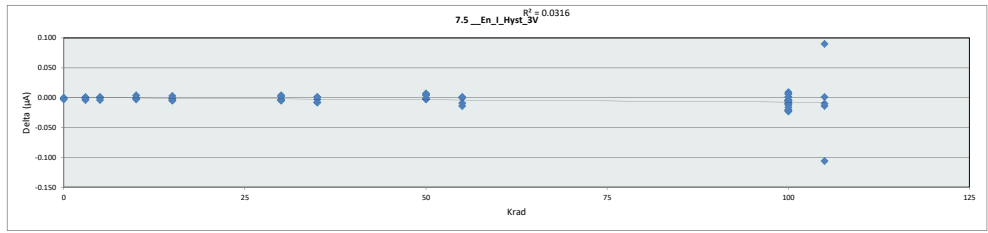


7.9_En_I_1p1_5V														
Test Site														
Tester														
Test Number														
Max Limit	7.6	µA												
Min Limit	4.8	µA												
Krad	LL	Min	Average	Max	UL	5	10	15	30	35	50	55	100	105
0	4.800	6.199	6.333	6.500	7.600	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
3	4.800	6.166	6.396	6.784	7.600	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
5	4.800	6.217	6.344	6.473	7.600	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
10	4.800	6.174	6.398	6.780	7.600	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
15	4.800	6.218	6.345	6.470	7.600	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
30	4.800	6.171	6.338	6.457	7.600	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
35	4.800	6.215	6.348	6.457	7.600	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
50	4.800	5.901	6.338	6.457	7.600	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
55	4.800	5.850	6.348	6.457	7.600	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
100	4.800	5.848	6.310	6.574	7.600	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
105	4.800	5.718	6.310	6.574	7.600	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800

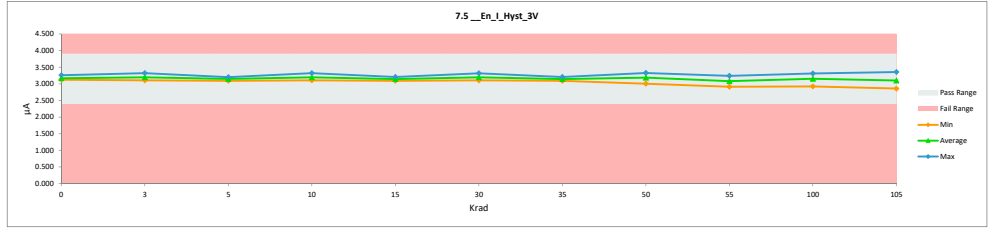


LDR TID Report  
POLARIS - TPS7H4001-SP

7.5_En_I_Hyst_3V				
Test Site				
Tester				
Test Number				
Unit	µA	µA		
Max Limit	3.9	3.9		
Min Limit	2.4	2.4		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	3.262	3.262	0.000
0	140	3.127	3.125	-0.002
0	141	3.152	3.151	-0.001
0	142	3.148	3.145	-0.003
3	1	3.163	3.161	-0.002
3	2	3.322	3.322	0.000
3	3	3.111	3.107	-0.004
3	4	3.114	3.112	-0.002
3	5	3.280	3.281	0.001
5	6	3.179	3.179	0.000
5	7	3.148	3.148	0.000
5	8	3.206	3.202	-0.004
5	9	3.115	3.116	0.001
5	10	3.091	3.091	0.000
10	11	3.163	3.163	0.000
10	12	3.322	3.322	0.000
10	13	3.111	3.108	-0.003
10	14	3.114	3.118	0.004
10	15	3.280	3.279	-0.001
15	16	3.179	3.174	-0.005
15	17	3.148	3.144	-0.004
15	18	3.206	3.205	-0.001
15	19	3.115	3.118	0.003
15	20	3.091	3.090	-0.001
30	89	3.163	3.167	0.004
30	90	3.322	3.318	-0.004
30	91	3.111	3.106	-0.005
30	92	3.114	3.116	0.002
30	93	3.280	3.277	-0.003
35	132	3.179	3.171	-0.008
35	133	3.148	3.140	-0.008
35	135	3.206	3.207	0.001
35	136	3.115	3.112	-0.003
35	137	3.091	3.092	0.001
50	94	3.003	3.007	0.004
50	95	3.319	3.326	0.007
50	96	3.197	3.194	-0.003
50	97	3.270	3.268	-0.002
50	99	3.146	3.145	-0.001
50	100	3.185	3.191	0.006
55	186	3.095	3.095	0.000
55	187	2.912	2.912	0.000
55	188	3.248	3.239	-0.009
55	189	3.089	3.090	0.001
55	190	3.082	3.068	-0.014
100	101	3.215	3.205	-0.010
100	102	3.316	3.312	-0.004
100	103	3.178	3.156	-0.022
100	104	3.276	3.255	-0.021
100	105	3.312	3.289	-0.023
100	106	3.063	3.053	-0.010
100	107	3.203	3.198	-0.005
100	108	3.227	3.228	0.001
100	109	3.207	3.196	-0.011
100	110	3.233	3.211	-0.022
100	111	2.921	2.930	0.009
100	112	3.237	3.233	-0.004
100	113	2.930	2.925	-0.005
100	114	3.096	3.102	0.006
100	115	3.113	3.109	-0.004
100	116	3.223	3.224	0.001
100	117	3.133	3.123	-0.010
100	118	3.131	3.125	-0.006
100	119	3.136	3.129	-0.007
100	120	3.177	3.157	-0.020
100	121	3.051	3.058	0.007
100	123	3.232	3.220	-0.012
100	124	3.122	3.106	-0.016
105	191	3.172	3.158	-0.014
105	192	3.181	3.171	-0.010
105	193	2.964	2.858	-0.106
105	194	3.355	3.356	0.001
105	195	2.874	2.964	0.090
	Max	3.355	3.356	0.001
	Average	3.160	3.156	-0.004
	Min	2.874	2.858	-0.016
	Std Dev	0.100	0.099	0.018

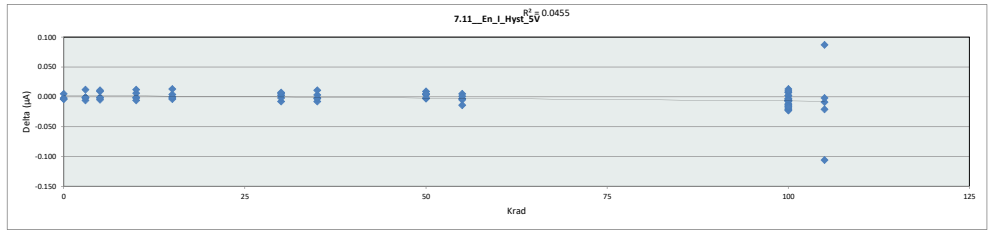


7.5_En_I_Hyst_3V										
Test Site										
Tester										
Test Number										
Max Limit	3.9	µA								
Min Limit	2.4	µA								
Krad	0	5	10	15	30	35	50	55	100	105
LL	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400
Min	3.125	3.107	3.091	3.108	3.090	3.106	3.092	3.007	2.912	2.925
Average	3.171	3.197	3.147	3.198	3.146	3.197	3.144	3.189	3.081	3.154
Max	3.262	3.322	3.202	3.322	3.205	3.318	3.207	3.326	3.239	3.312
UL	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900

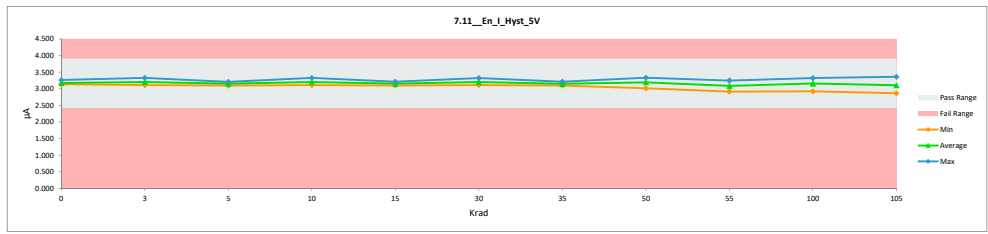


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7.11 En I_Hyst_5V				
Test Site				
Tester				
Test Number				
Unit	µA	µA		
Max Limit	3.9	3.9		
Min Limit	2.4	2.4		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	3.268	3.264	-0.004
0	140	3.127	3.132	0.005
0	141	3.157	3.155	-0.002
0	142	3.153	3.149	-0.004
3	1	3.170	3.168	-0.002
3	2	3.329	3.328	-0.001
3	3	3.114	3.108	-0.006
3	4	3.116	3.115	-0.001
3	5	3.273	3.285	0.012
5	6	3.175	3.184	0.009
5	7	3.155	3.154	-0.001
5	8	3.214	3.209	-0.005
5	9	3.122	3.120	-0.002
5	10	3.085	3.096	0.011
10	11	3.170	3.169	-0.001
10	12	3.329	3.327	-0.002
10	13	3.114	3.108	-0.006
10	14	3.116	3.122	0.006
10	15	3.273	3.285	0.012
15	16	3.175	3.179	0.004
15	17	3.155	3.153	-0.002
15	18	3.214	3.210	-0.004
15	19	3.122	3.122	0.000
15	20	3.085	3.098	0.013
30	89	3.170	3.172	0.002
30	90	3.329	3.321	-0.008
30	91	3.114	3.112	-0.002
30	92	3.116	3.121	0.005
30	93	3.273	3.280	0.007
35	132	3.175	3.179	0.003
35	133	3.155	3.147	-0.008
35	135	3.214	3.212	-0.002
35	136	3.122	3.119	-0.003
35	137	3.085	3.096	0.011
50	94	3.010	3.014	0.004
50	95	3.323	3.332	0.009
50	96	3.202	3.199	-0.003
50	97	3.272	3.276	0.004
50	99	3.151	3.149	-0.002
50	100	3.190	3.195	0.005
55	186	3.102	3.099	-0.003
55	187	2.910	2.915	0.005
55	188	3.246	3.247	0.001
55	189	3.095	3.090	-0.005
55	190	3.087	3.073	-0.014
100	101	3.221	3.214	-0.007
100	102	3.327	3.321	-0.006
100	103	3.184	3.163	-0.021
100	104	3.283	3.261	-0.022
100	105	3.318	3.295	-0.023
100	106	3.068	3.055	-0.013
100	107	3.200	3.202	0.002
100	108	3.228	3.236	0.008
100	109	3.213	3.201	-0.012
100	110	3.234	3.215	-0.019
100	111	2.921	2.934	0.013
100	112	3.242	3.234	-0.008
100	113	2.924	2.921	-0.003
100	114	3.102	3.109	0.007
100	115	3.119	3.114	-0.005
100	116	3.226	3.228	0.002
100	117	3.136	3.130	-0.006
100	118	3.137	3.134	-0.003
100	119	3.140	3.134	-0.006
100	120	3.177	3.161	-0.016
100	121	3.052	3.062	0.010
100	123	3.238	3.224	-0.014
100	124	3.128	3.111	-0.017
105	191	3.174	3.153	-0.021
105	192	3.186	3.177	-0.009
105	193	2.971	2.865	-0.106
105	194	3.362	3.360	-0.002
105	195	2.880	2.967	0.087
	Max	3.362	3.360	0.087
	Average	3.164	3.161	-0.002
	Min	2.880	2.865	-0.106
	Std Dev	0.100	0.100	0.018



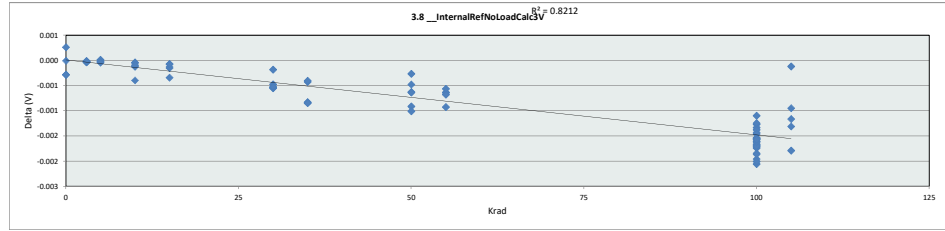
7.11 En I_Hyst_5V											
Test Site											
Tester											
Test Number											
Max Limit	3.9	µA									
Min Limit	2.4	µA									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400
Min	3.132	3.108	3.096	3.108	3.098	3.112	3.096	3.014	2.915	2.921	2.865
Average	3.175	3.201	3.153	3.202	3.152	3.201	3.150	3.194	3.085	3.159	3.104
Max	3.264	3.328	3.209	3.327	3.210	3.321	3.212	3.332	3.247	3.321	3.360
UL	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900



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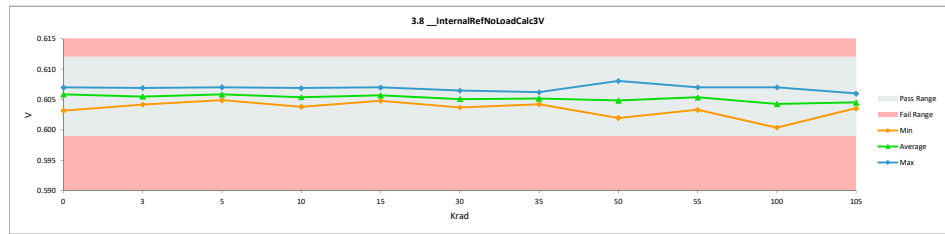
3.8 InternalRefNoLoadCalc3V		
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.612	0.612
Min Limit	0.599	0.599

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	0.607	0.607	0.000
0	140	0.603	0.603	0.000
0	141	0.607	0.606	0.000
0	142	0.607	0.607	0.000
3	1	0.605	0.605	0.000
3	2	0.605	0.605	0.000
3	3	0.607	0.607	0.000
3	4	0.606	0.606	0.000
3	5	0.604	0.604	0.000
5	6	0.607	0.607	0.000
5	7	0.605	0.605	0.000
5	8	0.605	0.605	0.000
5	9	0.607	0.607	0.000
5	10	0.605	0.605	0.000
10	11	0.605	0.605	0.000
10	12	0.605	0.605	0.000
10	13	0.607	0.607	0.000
10	14	0.606	0.606	0.000
10	15	0.604	0.604	0.000
15	16	0.607	0.607	0.000
15	17	0.605	0.605	0.000
15	18	0.605	0.605	0.000
15	19	0.607	0.607	0.000
15	20	0.605	0.605	0.000
30	89	0.605	0.605	0.000
30	90	0.605	0.604	-0.001
30	91	0.607	0.606	0.000
30	92	0.606	0.606	-0.001
30	93	0.604	0.604	-0.001
35	132	0.607	0.606	-0.001
35	133	0.605	0.604	-0.001
35	135	0.605	0.604	-0.001
35	136	0.607	0.606	-0.001
35	137	0.605	0.605	0.000
50	94	0.604	0.604	-0.001
50	95	0.609	0.608	-0.001
50	96	0.605	0.604	-0.001
50	97	0.605	0.605	-0.001
50	99	0.602	0.602	0.000
50	100	0.607	0.606	0.000
55	186	0.606	0.605	-0.001
55	187	0.606	0.605	-0.001
55	188	0.607	0.606	-0.001
55	189	0.604	0.603	-0.001
55	190	0.608	0.607	-0.001
100	101	0.607	0.604	-0.002
100	102	0.607	0.605	-0.001
100	103	0.607	0.605	-0.002
100	104	0.607	0.605	-0.002
100	105	0.605	0.603	-0.002
100	106	0.606	0.605	-0.002
100	107	0.603	0.601	-0.002
100	108	0.605	0.603	-0.002
100	109	0.606	0.605	-0.001
100	110	0.609	0.607	-0.002
100	111	0.606	0.605	-0.002
100	112	0.606	0.604	-0.002
100	113	0.602	0.600	-0.002
100	114	0.605	0.603	-0.002
100	115	0.607	0.606	-0.002
100	116	0.604	0.603	-0.002
100	117	0.604	0.603	-0.001
100	118	0.604	0.603	-0.001
100	119	0.607	0.606	-0.001
100	120	0.606	0.605	-0.001
100	121	0.608	0.607	-0.002
100	123	0.606	0.604	-0.001
100	124	0.607	0.606	-0.002
105	191	0.605	0.604	-0.001
105	192	0.607	0.606	-0.001
105	193	0.605	0.605	0.000
105	194	0.606	0.604	-0.001
105	195	0.606	0.604	-0.002
	Max	0.609	0.608	0.000
	Average	0.606	0.605	-0.001
	Min	0.602	0.600	-0.002
	Std Dev	0.001	0.001	0.001



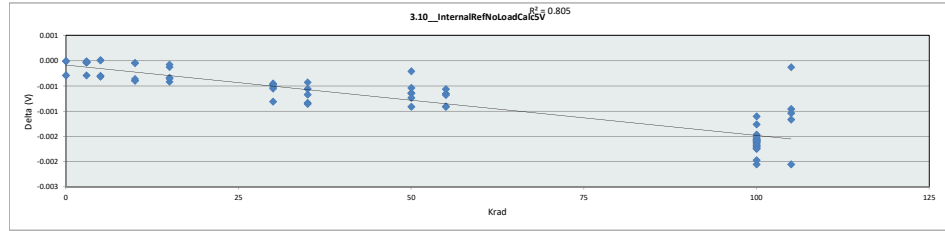
3.8 InternalRefNoLoadCalc3V		
Test Site		
Tester		
Test Number		
Max Limit	0.612	V
Min Limit	0.599	V

Krad	3	5	10	15	30	35	50	55	100	105
LL	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599
Min	0.603	0.604	0.605	0.604	0.605	0.604	0.604	0.602	0.603	0.600
Average	0.606	0.605	0.606	0.605	0.606	0.605	0.605	0.605	0.605	0.604
Max	0.607	0.607	0.607	0.607	0.607	0.606	0.606	0.608	0.607	0.607
UL	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612

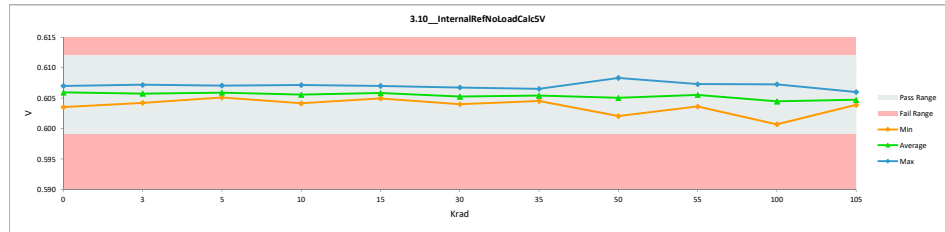


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3.10 InternalRefNoLoadCalc5V				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	0.607	0.607	0.000
0	140	0.604	0.604	0.000
0	141	0.607	0.606	0.000
0	142	0.607	0.607	0.000
3	1	0.605	0.605	0.000
3	2	0.605	0.605	0.000
3	3	0.607	0.607	0.000
3	4	0.607	0.607	0.000
3	5	0.605	0.604	0.000
5	6	0.607	0.607	0.000
5	7	0.605	0.605	0.000
5	8	0.605	0.605	0.000
5	9	0.607	0.607	0.000
5	10	0.606	0.605	0.000
10	11	0.605	0.605	0.000
10	12	0.605	0.605	0.000
10	13	0.607	0.607	0.000
10	14	0.607	0.606	0.000
10	15	0.605	0.604	0.000
15	16	0.607	0.607	0.000
15	17	0.605	0.605	0.000
15	18	0.605	0.605	0.000
15	19	0.607	0.607	0.000
15	20	0.606	0.605	0.000
30	89	0.605	0.605	0.000
30	90	0.605	0.605	-0.001
30	91	0.607	0.607	0.000
30	92	0.607	0.606	-0.001
30	93	0.605	0.604	-0.001
35	132	0.607	0.606	-0.001
35	133	0.605	0.605	-0.001
35	135	0.605	0.605	-0.001
35	136	0.607	0.607	-0.001
35	137	0.606	0.605	-0.001
50	94	0.605	0.604	-0.001
50	95	0.609	0.608	-0.001
50	96	0.605	0.604	-0.001
50	97	0.606	0.605	-0.001
50	99	0.603	0.602	-0.001
50	100	0.607	0.607	0.000
55	186	0.606	0.605	-0.001
55	187	0.606	0.605	-0.001
55	188	0.607	0.606	-0.001
55	189	0.604	0.604	-0.001
55	190	0.608	0.607	-0.001
100	101	0.607	0.604	-0.002
100	102	0.607	0.605	-0.002
100	103	0.607	0.605	-0.002
100	104	0.607	0.605	-0.002
100	105	0.605	0.603	-0.002
100	106	0.607	0.605	-0.002
100	107	0.603	0.602	-0.002
100	108	0.605	0.604	-0.002
100	109	0.607	0.605	-0.002
100	110	0.609	0.607	-0.002
100	111	0.607	0.605	-0.002
100	112	0.606	0.604	-0.002
100	113	0.602	0.601	-0.002
100	114	0.605	0.603	-0.002
100	115	0.607	0.606	-0.002
100	116	0.604	0.603	-0.001
100	117	0.604	0.603	-0.002
100	118	0.605	0.603	-0.002
100	119	0.607	0.606	-0.001
100	120	0.607	0.606	-0.001
100	121	0.608	0.607	-0.002
100	123	0.606	0.605	-0.002
100	124	0.608	0.606	-0.002
105	191	0.605	0.604	-0.001
105	192	0.607	0.606	-0.001
105	193	0.605	0.605	0.000
105	194	0.606	0.605	-0.001
105	195	0.606	0.604	-0.002
	Max	0.609	0.608	0.000
	Average	0.606	0.605	-0.001
	Min	0.602	0.601	-0.002
	Std Dev	0.001	0.001	0.001



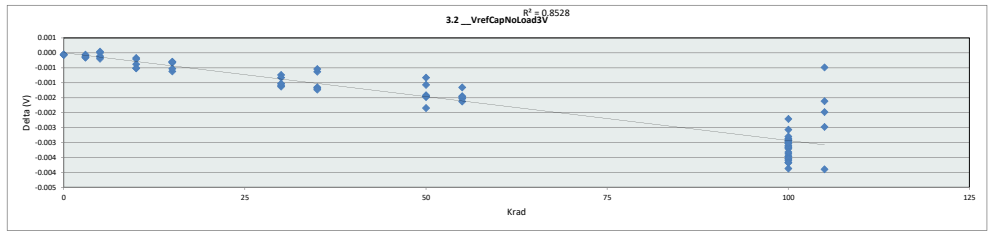
3.10 InternalRefNoLoadCalc										
Krad	3	5	10	15	30	35	50	55	100	105
LL	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599	0.599
Min	0.604	0.604	0.605	0.604	0.605	0.604	0.605	0.602	0.604	0.601
Average	0.606	0.606	0.606	0.606	0.606	0.605	0.605	0.605	0.606	0.604
Max	0.607	0.607	0.607	0.607	0.607	0.607	0.607	0.608	0.607	0.606
UL	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612	0.612



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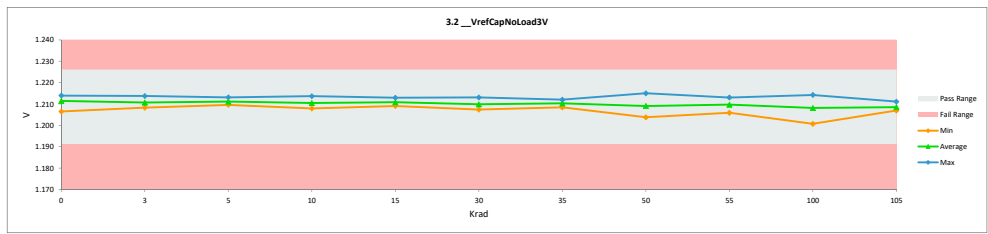
3.2 VrefCapNoLoad3V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.226
Min Limit	1.191

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	1.213	1.213	0.000
0	140	1.207	1.206	0.000
0	141	1.212	1.212	0.000
0	142	1.214	1.214	0.000
3	1	1.211	1.211	0.000
3	2	1.209	1.209	0.000
3	3	1.214	1.214	0.000
3	4	1.212	1.212	0.000
3	5	1.208	1.208	0.000
5	6	1.213	1.213	0.000
5	7	1.210	1.210	0.000
5	8	1.210	1.210	0.000
5	9	1.213	1.213	0.000
5	10	1.211	1.210	0.000
10	11	1.211	1.211	0.000
10	12	1.209	1.209	-0.001
10	13	1.214	1.214	0.000
10	14	1.212	1.211	0.000
10	15	1.208	1.208	-0.001
15	16	1.213	1.212	-0.001
15	17	1.210	1.209	-0.001
15	18	1.210	1.210	0.000
15	19	1.213	1.213	0.000
15	20	1.211	1.210	0.000
30	89	1.211	1.210	-0.001
30	90	1.209	1.208	-0.001
30	91	1.214	1.213	-0.001
30	92	1.212	1.211	-0.001
30	93	1.208	1.207	-0.001
35	132	1.213	1.212	-0.001
35	133	1.210	1.208	-0.001
35	135	1.210	1.209	-0.001
35	136	1.213	1.212	-0.001
35	137	1.211	1.210	-0.001
50	94	1.209	1.207	-0.001
50	95	1.217	1.215	-0.001
50	96	1.209	1.207	-0.002
50	97	1.210	1.208	-0.001
50	99	1.205	1.204	-0.001
50	100	1.214	1.213	-0.001
55	186	1.211	1.209	-0.002
55	187	1.211	1.210	-0.001
55	188	1.212	1.210	-0.001
55	189	1.208	1.206	-0.002
55	190	1.214	1.213	-0.001
100	101	1.213	1.209	-0.004
100	102	1.213	1.210	-0.004
100	103	1.213	1.210	-0.003
100	104	1.212	1.209	-0.004
100	105	1.210	1.206	-0.004
100	106	1.213	1.210	-0.003
100	107	1.205	1.202	-0.003
100	108	1.210	1.207	-0.003
100	109	1.213	1.210	-0.003
100	110	1.217	1.214	-0.003
100	111	1.212	1.208	-0.004
100	112	1.212	1.208	-0.004
100	113	1.204	1.201	-0.003
100	114	1.209	1.206	-0.003
100	115	1.214	1.211	-0.003
100	116	1.208	1.205	-0.003
100	117	1.208	1.205	-0.003
100	118	1.208	1.205	-0.003
100	119	1.214	1.212	-0.003
100	120	1.211	1.209	-0.002
100	121	1.216	1.213	-0.003
100	123	1.210	1.207	-0.003
100	124	1.215	1.212	-0.003
105	191	1.209	1.207	-0.002
105	192	1.213	1.211	-0.002
105	193	1.209	1.209	0.000
105	194	1.210	1.208	-0.002
105	195	1.211	1.207	-0.004
	Max	1.217	1.215	0.000
	Average	1.211	1.210	-0.002
	Min	1.204	1.201	-0.004
	Std Dev	0.003	0.003	0.001



3.2 VrefCapNoLoad3V	
Test Site	
Tester	
Test Number	
Max Limit	1.226
Min Limit	1.191
Unit	V

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191
Min	1.206	1.208	1.210	1.208	1.209	1.207	1.208	1.204	1.206	1.201	1.207
Average	1.211	1.211	1.211	1.210	1.211	1.210	1.210	1.209	1.210	1.208	1.209
Max	1.214	1.214	1.213	1.214	1.213	1.213	1.212	1.215	1.213	1.214	1.211
UL	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226

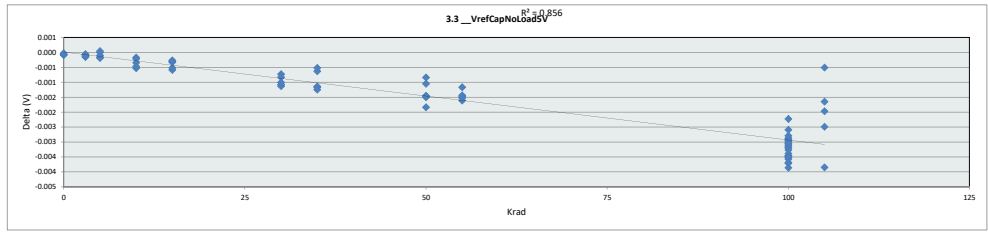




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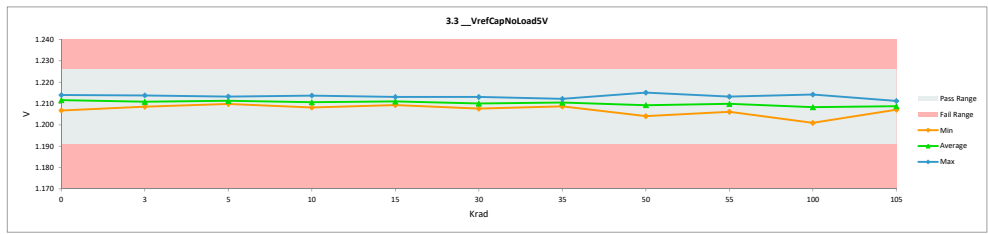
3.3_VrefCapNoLoad5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.226
Min Limit	1.191

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	1.213	1.213	0.000
0	140	1.207	1.207	0.000
0	141	1.213	1.212	0.000
0	142	1.214	1.214	0.000
3	1	1.211	1.211	0.000
3	2	1.209	1.209	0.000
3	3	1.214	1.214	0.000
3	4	1.212	1.212	0.000
3	5	1.209	1.209	0.000
5	6	1.213	1.213	0.000
5	7	1.210	1.210	0.000
5	8	1.210	1.210	0.000
5	9	1.213	1.213	0.000
5	10	1.211	1.210	0.000
10	11	1.211	1.211	0.000
10	12	1.209	1.209	-0.001
10	13	1.214	1.214	0.000
10	14	1.212	1.212	0.000
10	15	1.209	1.208	0.000
15	16	1.213	1.212	-0.001
15	17	1.210	1.209	-0.001
15	18	1.210	1.210	0.000
15	19	1.213	1.213	0.000
15	20	1.211	1.210	0.000
30	89	1.211	1.210	-0.001
30	90	1.209	1.208	-0.001
30	91	1.214	1.213	-0.001
30	92	1.212	1.211	-0.001
30	93	1.209	1.208	-0.001
35	132	1.213	1.212	-0.001
35	133	1.210	1.209	-0.001
35	135	1.210	1.210	-0.001
35	136	1.213	1.212	-0.001
35	137	1.211	1.210	-0.001
50	94	1.209	1.207	-0.001
50	95	1.217	1.215	-0.002
50	96	1.209	1.207	-0.002
50	97	1.210	1.208	-0.001
50	99	1.205	1.204	-0.001
50	100	1.214	1.213	-0.001
55	186	1.211	1.210	-0.002
55	187	1.211	1.210	-0.001
55	188	1.212	1.211	-0.001
55	189	1.208	1.206	-0.002
55	190	1.214	1.213	-0.001
100	101	1.213	1.210	-0.004
100	102	1.213	1.210	-0.003
100	103	1.214	1.210	-0.003
100	104	1.212	1.209	-0.004
100	105	1.210	1.206	-0.004
100	106	1.213	1.210	-0.003
100	107	1.205	1.202	-0.003
100	108	1.210	1.207	-0.003
100	109	1.213	1.210	-0.003
100	110	1.217	1.214	-0.003
100	111	1.212	1.208	-0.004
100	112	1.212	1.208	-0.004
100	113	1.204	1.201	-0.003
100	114	1.209	1.206	-0.003
100	115	1.214	1.211	-0.003
100	116	1.208	1.205	-0.003
100	117	1.208	1.205	-0.003
100	118	1.208	1.205	-0.003
100	119	1.214	1.212	-0.003
100	120	1.212	1.209	-0.002
100	121	1.216	1.213	-0.003
100	123	1.210	1.208	-0.003
100	124	1.215	1.212	-0.003
105	191	1.210	1.207	-0.002
105	192	1.213	1.211	-0.002
105	193	1.210	1.209	-0.001
105	194	1.211	1.209	-0.002
105	195	1.211	1.208	-0.004
	Max	1.217	1.215	0.000
	Average	1.211	1.210	-0.002
	Min	1.204	1.201	-0.004
	Std Dev	0.003	0.003	0.001



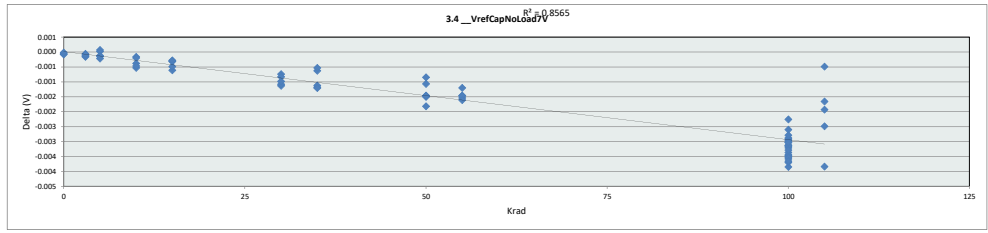
3.3_VrefCapNoLoad5V	
Test Site	
Tester	
Test Number	
Max Limit	1.226
Min Limit	1.191

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191
Min	1.207	1.209	1.210	1.208	1.209	1.208	1.209	1.204	1.206	1.201	1.207
Average	1.212	1.211	1.211	1.211	1.211	1.210	1.210	1.209	1.210	1.208	1.209
Max	1.214	1.214	1.213	1.214	1.213	1.213	1.212	1.215	1.213	1.214	1.211
UL	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226

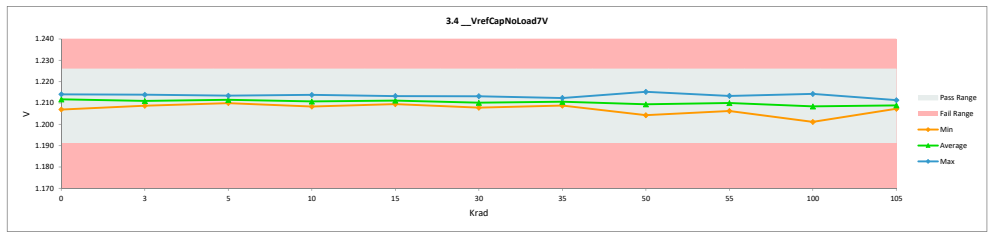


LDR TID Report  
POLARIS - TPS7H4001-SP

3.4_VrefCapNoLoad7V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.226	1.226		
Min Limit	1.191	1.191		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	1.213	1.213	0.000
0	140	1.207	1.207	0.000
0	141	1.213	1.213	0.000
0	142	1.214	1.214	0.000
3	1	1.211	1.211	0.000
3	2	1.209	1.209	0.000
3	3	1.214	1.214	0.000
3	4	1.212	1.212	0.000
3	5	1.209	1.209	0.000
5	6	1.213	1.213	0.000
5	7	1.210	1.210	0.000
5	8	1.210	1.210	0.000
5	9	1.214	1.213	0.000
5	10	1.211	1.211	0.000
10	11	1.211	1.211	0.000
10	12	1.209	1.209	-0.001
10	13	1.214	1.214	0.000
10	14	1.212	1.212	0.000
10	15	1.209	1.208	0.000
15	16	1.213	1.212	-0.001
15	17	1.210	1.209	0.000
15	18	1.210	1.210	0.000
15	19	1.214	1.213	0.000
15	20	1.211	1.211	0.000
30	89	1.211	1.210	-0.001
30	90	1.209	1.208	-0.001
30	91	1.214	1.213	-0.001
30	92	1.212	1.211	-0.001
30	93	1.209	1.208	-0.001
35	132	1.213	1.212	-0.001
35	133	1.210	1.209	-0.001
35	135	1.210	1.210	-0.001
35	136	1.214	1.212	-0.001
35	137	1.211	1.210	-0.001
50	94	1.209	1.207	-0.001
50	95	1.217	1.215	-0.002
50	96	1.209	1.207	-0.002
50	97	1.210	1.209	-0.001
50	99	1.205	1.204	-0.001
50	100	1.214	1.213	-0.001
55	186	1.211	1.210	-0.002
55	187	1.211	1.210	-0.001
55	188	1.212	1.211	-0.001
55	189	1.208	1.206	-0.002
55	190	1.215	1.213	-0.001
100	101	1.213	1.210	-0.004
100	102	1.213	1.210	-0.003
100	103	1.214	1.210	-0.003
100	104	1.212	1.209	-0.004
100	105	1.210	1.206	-0.004
100	106	1.213	1.210	-0.003
100	107	1.205	1.202	-0.003
100	108	1.210	1.207	-0.003
100	109	1.213	1.210	-0.003
100	110	1.217	1.214	-0.003
100	111	1.212	1.208	-0.004
100	112	1.212	1.208	-0.004
100	113	1.204	1.201	-0.003
100	114	1.210	1.206	-0.003
100	115	1.214	1.211	-0.003
100	116	1.209	1.206	-0.003
100	117	1.209	1.205	-0.003
100	118	1.208	1.205	-0.003
100	119	1.214	1.212	-0.003
100	120	1.212	1.209	-0.002
100	121	1.216	1.213	-0.003
100	123	1.210	1.208	-0.003
100	124	1.215	1.212	-0.003
105	191	1.210	1.207	-0.002
105	192	1.213	1.211	-0.002
105	193	1.210	1.209	0.000
105	194	1.211	1.209	-0.002
105	195	1.212	1.208	-0.004
	Max	1.217	1.215	0.000
	Average	1.211	1.210	-0.002
	Min	1.204	1.201	-0.004
	Std Dev	0.003	0.003	0.001

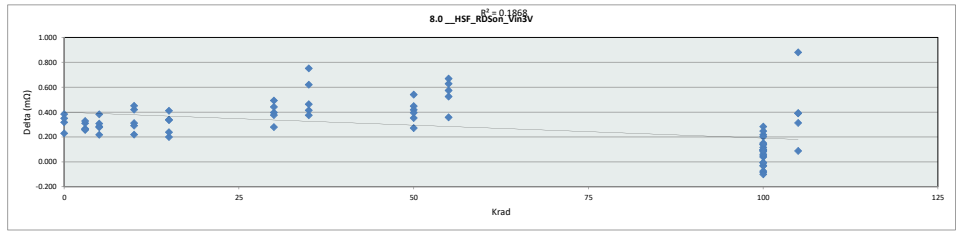


3.4_VrefCapNoLoad7V											
Test Site											
Tester											
Test Number											
Max Limit	1.226	V									
Min Limit	1.191	V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191
Min	1.207	1.209	1.210	1.208	1.209	1.208	1.209	1.204	1.206	1.201	1.207
Average	1.212	1.211	1.211	1.211	1.211	1.210	1.211	1.209	1.210	1.208	1.209
Max	1.214	1.214	1.213	1.214	1.213	1.213	1.212	1.215	1.213	1.214	1.211
UL	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226

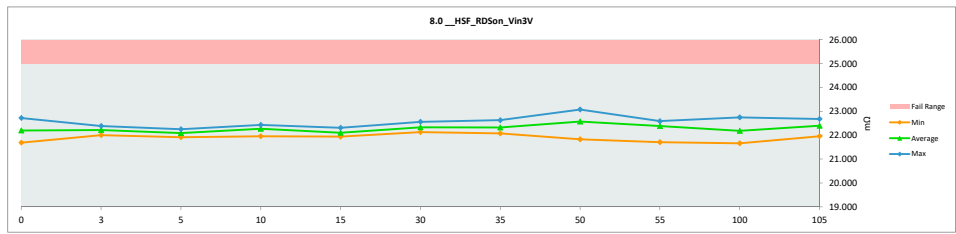


LDR TID Report  
POLARIS - TPS7H4001-SP

8.0_HSF_RD5on_Vin3V				
Test Site				
Tester				
Test Number				
Unit	mΩ	mΩ		
Max Limit	25	25		
Min Limit				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	21.929	22.247	0.319
0	140	21.300	21.684	0.384
0	141	21.907	22.136	0.229
0	142	22.367	22.717	0.350
3	1	21.734	22.001	0.267
3	2	22.117	22.375	0.258
3	3	22.123	22.382	0.259
3	4	21.955	22.265	0.310
3	5	21.715	22.044	0.328
5	6	21.789	22.074	0.285
5	7	21.699	21.916	0.218
5	8	21.876	22.185	0.308
5	9	21.973	22.251	0.278
5	10	21.640	22.022	0.383
10	11	21.734	21.954	0.220
10	12	22.117	22.429	0.312
10	13	22.123	22.414	0.291
10	14	21.955	22.375	0.420
10	15	21.715	22.166	0.451
15	16	21.789	21.990	0.200
15	17	21.699	21.937	0.238
15	18	21.876	22.213	0.337
15	19	21.973	22.312	0.339
15	20	21.640	22.050	0.411
30	89	21.734	22.131	0.397
30	90	22.117	22.558	0.441
30	91	22.123	22.403	0.280
30	92	21.955	22.331	0.376
30	93	21.715	22.209	0.494
35	132	21.789	22.204	0.415
35	133	21.699	22.073	0.374
35	135	21.876	22.628	0.751
35	136	21.973	22.436	0.463
35	137	21.640	22.260	0.621
50	94	21.380	21.827	0.448
50	95	22.286	22.704	0.418
50	96	21.697	21.969	0.272
50	97	22.500	22.853	0.354
50	99	22.605	23.000	0.395
50	100	22.531	23.072	0.541
55	186	22.201	22.559	0.358
55	187	21.918	22.587	0.669
55	188	21.950	22.476	0.525
55	189	21.131	21.705	0.574
55	190	21.958	22.586	0.628
100	101	22.623	22.540	-0.083
100	102	21.689	21.660	-0.029
100	103	22.079	22.174	0.095
100	104	22.431	22.569	0.138
100	105	22.148	22.075	-0.073
100	106	22.296	22.197	-0.099
100	107	22.262	22.301	0.039
100	108	21.765	21.916	0.151
100	109	21.913	22.010	0.097
100	110	22.478	22.526	0.048
100	111	21.593	21.810	0.218
100	112	21.962	22.078	0.116
100	113	22.498	22.590	0.093
100	114	21.983	21.976	-0.007
100	115	22.543	22.745	0.202
100	116	21.895	21.862	-0.033
100	117	22.171	22.166	-0.006
100	118	21.855	21.916	0.061
100	119	22.095	22.238	0.142
100	120	21.972	22.072	0.100
100	121	22.109	22.192	0.083
100	123	22.046	22.329	0.284
100	124	21.982	22.230	0.248
105	191	21.643	21.956	0.313
105	192	22.288	22.680	0.392
105	193	22.146	22.234	0.088
105	194	22.177	22.567	0.390
105	195	21.669	22.548	0.880
	Max	22.623	23.072	0.880
	Average	21.970	22.258	0.288
	Min	21.131	21.660	-0.099
	Std Dev	0.301	0.303	0.196



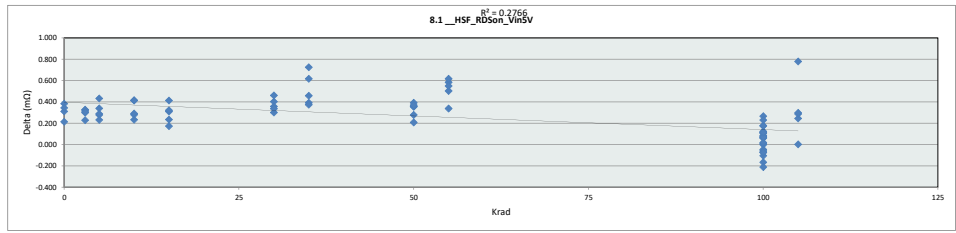
8.0_HSF_RD5on_Vin3V											
Test Site											
Tester											
Test Number											
Max Limit	25	mΩ									
Min Limit		mΩ									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	21.684	22.001	21.916	21.954	21.937	22.131	22.073	21.827	21.705	21.660	21.956
Average	22.196	22.213	22.090	22.268	22.100	22.326	22.320	22.571	22.383	22.181	22.397
Max	22.717	22.382	22.251	22.429	22.312	22.558	22.628	23.072	22.587	22.745	22.680
UL	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000	25.000



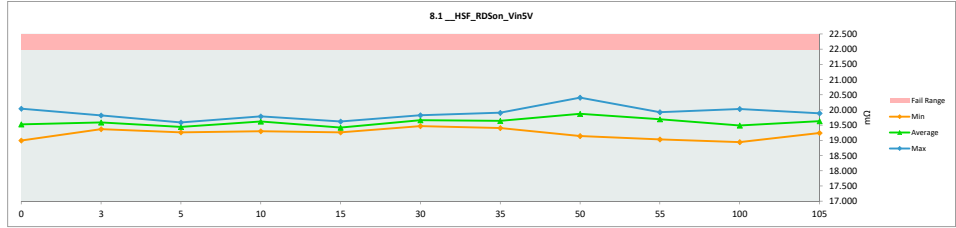
LDR TID Report  
POLARIS - TPS7H4001-SP

8.1_HSF_RDson_Vin5V	
Test Site	
Tester	
Test Number	
Unit	mΩ mΩ
Max Limit	22 22
Min Limit	

Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	19.316	19.626	0.310
0	140	18.610	18.994	0.384
0	141	19.236	19.450	0.214
0	142	19.697	20.041	0.344
3	1	19.068	19.366	0.299
3	2	19.469	19.698	0.229
3	3	19.497	19.820	0.323
3	4	19.323	19.651	0.327
3	5	19.111	19.417	0.306
5	6	19.132	19.410	0.278
5	7	19.031	19.262	0.231
5	8	19.184	19.523	0.340
5	9	19.299	19.587	0.289
5	10	19.004	19.438	0.433
10	11	19.068	19.301	0.233
10	12	19.469	19.749	0.280
10	13	19.497	19.789	0.292
10	14	19.323	19.737	0.414
10	15	19.111	19.528	0.417
15	16	19.132	19.305	0.174
15	17	19.031	19.265	0.235
15	18	19.184	19.493	0.310
15	19	19.299	19.620	0.321
15	20	19.004	19.417	0.413
30	89	19.068	19.470	0.403
30	90	19.469	19.827	0.358
30	91	19.497	19.798	0.301
30	92	19.323	19.659	0.336
30	93	19.111	19.572	0.461
35	132	19.132	19.523	0.391
35	133	19.031	19.405	0.374
35	135	19.184	19.908	0.724
35	136	19.299	19.757	0.458
35	137	19.004	19.622	0.618
50	94	18.788	19.144	0.356
50	95	19.622	19.978	0.356
50	96	19.031	19.239	0.208
50	97	19.890	20.167	0.278
50	99	19.928	20.320	0.392
50	100	20.038	20.407	0.370
55	186	19.506	19.844	0.338
55	187	19.283	19.867	0.584
55	188	19.296	19.799	0.503
55	189	18.482	19.031	0.549
55	190	19.311	19.928	0.617
100	101	19.962	19.796	-0.166
100	102	18.987	18.941	-0.046
100	103	19.410	19.485	0.075
100	104	19.763	19.887	0.124
100	105	19.487	19.382	-0.105
100	106	19.674	19.464	-0.211
100	107	19.581	19.580	-0.001
100	108	19.183	19.296	0.113
100	109	19.217	19.280	0.063
100	110	19.847	19.857	0.010
100	111	18.953	19.127	0.175
100	112	19.319	19.380	0.061
100	113	19.800	19.884	0.084
100	114	19.305	19.234	-0.071
100	115	19.852	20.029	0.177
100	116	19.306	19.247	-0.060
100	117	19.491	19.416	-0.075
100	118	19.177	19.195	0.019
100	119	19.460	19.566	0.106
100	120	19.325	19.394	0.069
100	121	19.457	19.572	0.115
100	123	19.395	19.661	0.266
100	124	19.349	19.578	0.229
105	191	18.998	19.244	0.246
105	192	19.603	19.890	0.286
105	193	19.471	19.473	0.002
105	194	19.489	19.787	0.298
105	195	18.994	19.772	0.778
	Max	20.038	20.407	0.778
	Average	19.318	19.578	0.259
	Min	18.482	18.941	-0.211
	Std Dev	0.303	0.298	0.199

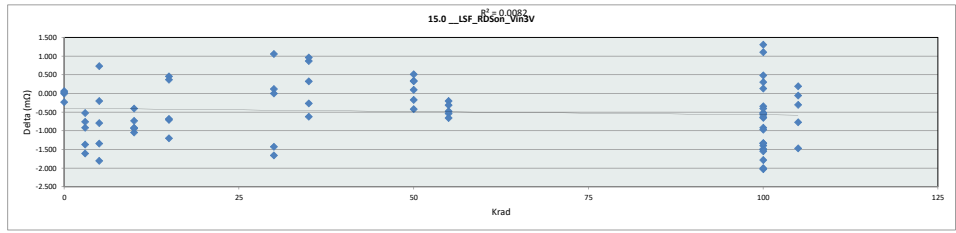


8.1_HSF RDson_Vin5V	
Test Site	
Tester	
Test Number	
Max Limit	22 mΩ
Min Limit	mΩ
Krad	0 3 5 10 15 30 35 50 55 100 105
LL	
Min	18.994 19.366 19.262 19.301 19.265 19.470 19.405 19.144 19.031 18.941 19.244
Average	19.528 19.591 19.444 19.621 19.420 19.665 19.643 19.876 19.694 19.489 19.633
Max	20.041 19.820 19.588 19.789 19.620 19.827 19.908 20.407 19.928 20.030 19.890
UL	22.000 22.000 22.000 22.000 22.000 22.000 22.000 22.000 22.000 22.000 22.000

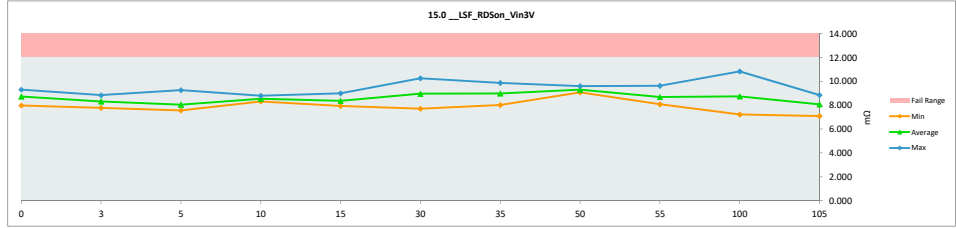


LDR TID Report  
POLARIS - TPS7H4001-SP

15.0_LSF_RDson_Vin3V				
Test Site				
Tester				
Test Number				
Unit	mΩ	mΩ		
Max Limit	12	12		
Min Limit				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	9.233	9.294	0.061
0	140	8.203	7.969	-0.234
0	141	8.939	8.933	-0.006
0	142	8.668	8.702	0.034
3	1	9.362	8.836	-0.526
3	2	9.485	8.566	-0.920
3	3	9.527	7.919	-1.607
3	4	9.193	8.433	-0.760
3	5	9.138	7.769	-1.368
5	6	8.531	9.262	0.731
5	7	8.122	7.919	-0.203
5	8	8.637	7.845	-0.793
5	9	9.415	7.610	-1.805
5	10	8.895	7.551	-1.344
10	11	9.362	8.313	-1.049
10	12	9.485	8.545	-0.940
10	13	9.527	8.066	-0.920
10	14	9.193	8.790	-0.403
10	15	9.138	8.405	-0.733
15	16	8.531	8.987	0.456
15	17	8.122	8.488	0.366
15	18	8.637	7.929	-0.708
15	19	9.415	8.214	-1.201
15	20	8.895	8.213	-0.682
30	89	9.362	7.701	-1.661
30	90	9.485	9.602	0.116
30	91	9.527	8.098	-1.429
30	92	9.193	10.247	1.055
30	93	9.138	9.137	-0.001
35	132	8.531	8.262	-0.269
35	133	8.122	8.991	0.869
35	135	8.637	8.014	-0.623
35	136	9.415	9.738	0.323
35	137	8.895	9.857	0.962
50	94	8.686	9.200	0.514
50	95	9.256	9.593	0.337
50	96	8.794	9.122	0.329
50	97	9.205	9.303	0.098
50	99	9.497	9.073	-0.424
50	100	9.664	9.493	-0.171
55	186	9.824	9.621	-0.203
55	187	9.415	8.877	-0.539
55	188	8.720	8.407	-0.313
55	189	8.553	8.074	-0.479
55	190	9.096	8.440	-0.655
100	101	9.880	9.307	-0.573
100	102	8.725	8.206	-0.519
100	103	9.627	9.929	0.302
100	104	9.719	9.066	-0.653
100	105	10.205	10.689	0.485
100	106	9.056	10.361	1.306
100	107	9.726	10.828	1.102
100	108	9.510	7.725	-1.786
100	109	9.396	8.478	-0.918
100	110	10.377	8.980	-1.397
100	111	8.916	8.282	-0.634
100	112	9.621	8.115	-1.507
100	113	9.653	9.307	-0.346
100	114	9.397	8.427	-0.970
100	115	9.600	8.113	-1.487
100	116	9.552	8.224	-1.328
100	117	9.252	7.223	-2.030
100	118	8.911	7.365	-1.546
100	119	10.006	8.005	-2.001
100	120	9.403	8.874	-0.529
100	121	8.697	8.826	0.129
100	123	9.225	8.819	-0.406
100	124	9.250	7.913	-1.337
105	191	7.861	7.090	-0.771
105	192	9.145	8.841	-0.304
105	193	9.103	7.634	-1.469
105	194	8.528	8.472	-0.056
105	195	8.114	8.305	0.191
	Max	10.377	10.828	1.306
	Average	9.139	8.649	-0.490
	Min	7.861	7.090	-2.030
	Std Dev	0.513	0.789	0.789

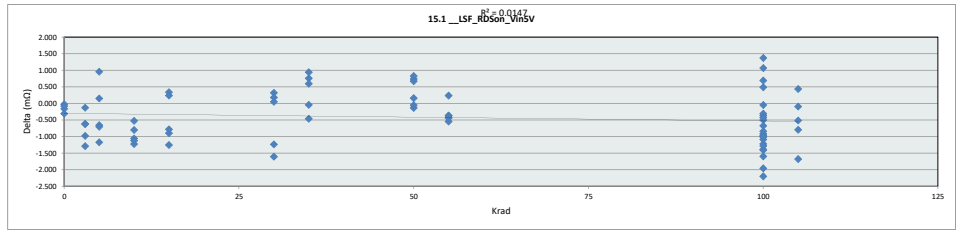


15.0_LSF_RDson_Vin3V											
Test Site											
Tester											
Test Number											
Max Limit	12	mΩ									
Min Limit		mΩ									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	7.969	7.769	7.551	8.313	7.929	7.701	8.014	9.073	8.074	7.223	7.090
Average	8.724	8.305	8.037	8.532	8.366	8.957	8.972	9.297	8.684	8.742	8.068
Max	9.294	8.836	9.262	8.790	8.987	10.247	9.857	9.593	9.621	10.828	8.841
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000

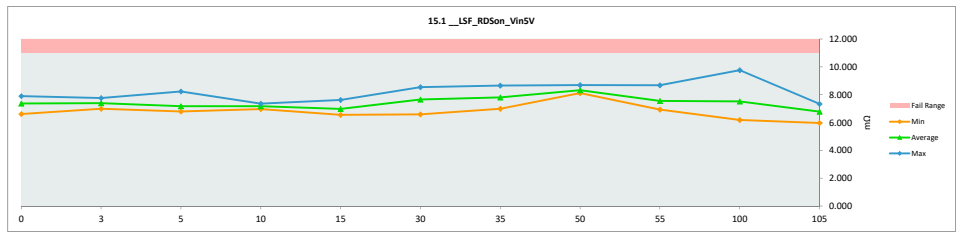


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15.1_LSF_RDson_Vin5V				
Test Site				
Tester				
Test Number				
Unit	mΩ	mΩ		
Max Limit	11	11		
Min Limit				
Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	8.067	7.901	-0.166
0	140	6.916	6.609	-0.307
0	141	7.601	7.576	-0.025
0	142	7.449	7.366	-0.083
3	1	8.188	7.565	-0.623
3	2	8.219	7.602	-0.617
3	3	8.334	7.044	-1.290
3	4	7.887	7.758	-0.129
3	5	7.972	6.991	-0.982
5	6	7.282	8.235	0.953
5	7	6.877	7.027	0.150
5	8	7.452	6.796	-0.657
5	9	8.060	6.887	-1.173
5	10	7.601	6.897	-0.704
10	11	8.188	6.962	-1.226
10	12	8.219	7.164	-1.056
10	13	8.334	7.209	-1.125
10	14	7.887	7.363	-0.524
10	15	7.972	7.172	-0.800
15	16	7.282	7.618	0.336
15	17	6.877	7.114	0.237
15	18	7.452	6.555	-0.897
15	19	8.060	6.805	-1.255
15	20	7.601	6.821	-0.779
30	89	8.188	6.583	-1.605
30	90	8.219	8.537	0.318
30	91	8.334	7.097	-1.236
30	92	7.887	8.064	0.177
30	93	7.972	8.021	0.048
35	132	7.282	7.240	-0.043
35	133	6.877	7.633	0.756
35	135	7.452	6.991	-0.462
35	136	8.060	8.654	0.594
35	137	7.601	8.540	0.939
50	94	7.518	8.255	0.737
50	95	8.012	8.685	0.673
50	96	7.569	8.396	0.827
50	97	7.958	8.119	0.160
50	99	8.316	8.181	-0.135
50	100	8.341	8.288	-0.052
55	186	8.447	8.683	0.236
55	187	8.133	7.764	-0.368
55	188	7.464	7.095	-0.370
55	189	7.376	6.937	-0.438
55	190	7.842	7.298	-0.543
100	101	8.641	8.140	-0.501
100	102	7.566	6.889	-0.677
100	103	8.241	8.727	0.486
100	104	8.599	7.685	-0.915
100	105	9.073	9.763	0.690
100	106	7.856	9.225	1.369
100	107	8.556	9.621	1.065
100	108	8.379	6.181	-2.198
100	109	8.229	7.262	-0.966
100	110	9.094	7.705	-1.389
100	111	7.671	6.830	-0.840
100	112	8.315	7.094	-1.221
100	113	8.348	7.980	-0.368
100	114	8.151	7.137	-1.014
100	115	8.391	6.988	-1.403
100	116	8.093	7.001	-1.092
100	117	8.029	6.431	-1.598
100	118	7.477	6.194	-1.283
100	119	8.740	6.779	-1.961
100	120	7.999	7.688	-0.311
100	121	7.360	7.312	-0.048
100	123	7.770	7.341	-0.429
100	124	7.998	7.000	-0.998
105	191	6.764	5.967	-0.797
105	192	7.849	7.333	-0.516
105	193	7.778	6.098	-1.680
105	194	7.291	7.196	-0.095
105	195	6.903	7.339	0.436
	Max	9.094	9.763	1.369
	Average	7.887	7.466	-0.422
	Min	6.764	5.967	-2.198
	Std Dev	0.508	0.783	0.775



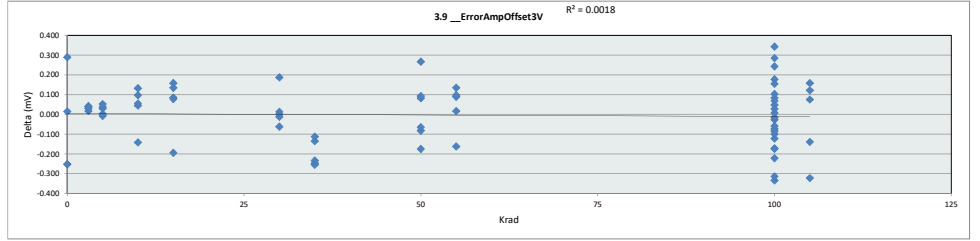
15.1_LSF_RDson_Vin5V											
Test Site											
Tester											
Test Number											
Max Limit	11	mΩ									
Min Limit		mΩ									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	6.609	6.991	6.796	6.962	6.555	6.583	6.991	8.119	6.937	6.181	5.967
Average	7.363	7.392	7.168	7.174	6.983	7.661	7.811	8.321	7.556	7.521	6.787
Max	7.901	7.758	8.235	7.363	7.618	8.537	8.654	8.685	8.683	9.763	7.339
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000



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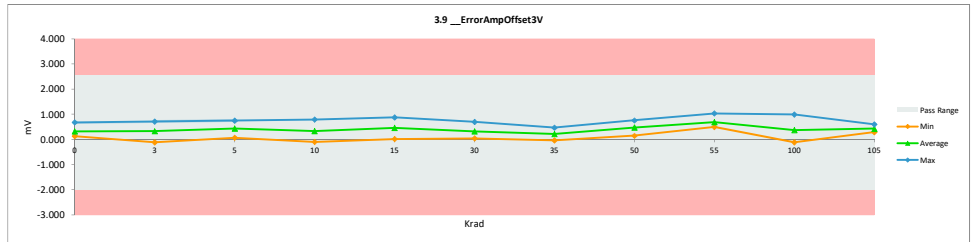
3.9_ErrorAmpOffset3V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	2.55
Min Limit	-2

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	0.391	0.680	0.290
0	140	0.382	0.131	-0.252
0	141	0.563	0.311	-0.252
0	142	0.158	0.173	0.015
3	1	-0.146	-0.113	0.033
3	2	0.569	0.609	0.040
3	3	0.181	0.223	0.043
3	4	0.696	0.713	0.017
3	5	0.190	0.220	0.030
5	6	0.715	0.746	0.031
5	7	0.439	0.442	0.002
5	8	0.077	0.069	-0.008
5	9	0.613	0.650	0.038
5	10	0.212	0.264	0.052
10	11	-0.146	-0.101	0.045
10	12	0.569	0.701	0.132
10	13	0.181	0.235	0.055
10	14	0.696	0.793	0.097
10	15	0.190	0.047	-0.142
15	16	0.715	0.873	0.158
15	17	0.439	0.574	0.135
15	18	0.077	0.162	0.085
15	19	0.613	0.691	0.078
15	20	0.212	0.017	-0.195
30	89	-0.146	0.042	0.188
30	90	0.569	0.582	0.013
30	91	0.181	0.119	-0.062
30	92	0.696	0.696	0.000
30	93	0.190	0.177	-0.012
35	132	0.715	0.468	-0.246
35	133	0.439	0.184	-0.255
35	135	0.077	-0.036	-0.113
35	136	0.613	0.379	-0.234
35	137	0.212	0.077	-0.135
50	94	0.169	0.252	0.083
50	95	0.884	0.709	-0.175
50	96	0.821	0.739	-0.082
50	97	0.666	0.758	0.092
50	99	-0.012	0.255	0.267
50	100	0.213	0.148	-0.065
55	186	0.661	0.498	-0.163
55	187	0.611	0.701	0.090
55	188	0.938	1.035	0.097
55	189	0.407	0.542	0.135
55	190	0.647	0.664	0.017
100	101	0.071	-0.051	-0.122
100	102	0.353	0.696	0.343
100	103	0.043	0.091	0.048
100	104	0.590	0.693	0.103
100	105	0.179	0.262	0.083
100	106	0.106	-0.116	-0.222
100	107	0.540	0.206	-0.334
100	108	0.359	0.387	0.028
100	109	0.126	0.303	0.177
100	110	0.122	0.095	-0.027
100	111	0.773	0.841	0.068
100	112	0.454	0.282	-0.171
100	113	0.221	0.206	-0.015
100	114	0.494	0.180	-0.314
100	115	0.502	0.428	-0.074
100	116	0.272	0.173	-0.099
100	117	0.220	0.463	0.243
100	118	0.602	0.887	0.285
100	119	0.405	0.231	-0.174
100	120	0.788	0.796	0.008
100	121	0.449	0.365	-0.084
100	123	0.836	0.991	0.155
100	124	0.240	0.181	-0.059
105	191	0.214	0.289	0.075
105	192	0.738	0.598	-0.140
105	193	0.217	0.339	0.122
105	194	0.768	0.447	-0.322
105	195	0.308	0.467	0.159
	Max	0.938	1.035	0.343
	Average	0.399	0.395	-0.004
	Min	-0.146	-0.116	-0.334
	Std Dev	0.269	0.290	0.153



3.9_ErrorAmpOffset3V	
Test Site	
Tester	
Test Number	
Max Limit	2.55
Min Limit	-2

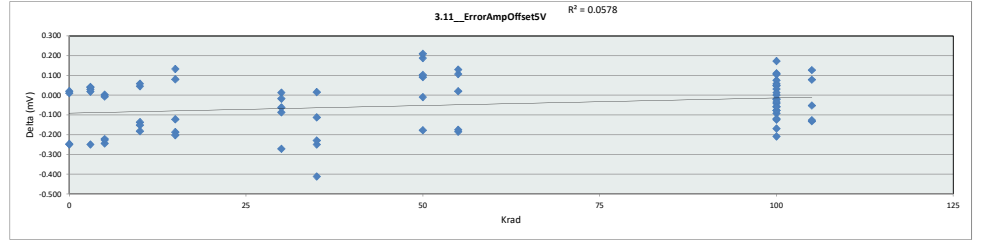
	0	3	5	10	15	30	35	50	55	100	105
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.130	-0.113	0.069	-0.101	0.017	0.042	-0.035	0.148	0.499	-0.116	0.289
Average	0.324	0.330	0.434	0.335	0.463	0.323	0.215	0.477	0.688	0.374	0.428
Max	0.680	0.713	0.745	0.793	0.873	0.696	0.468	0.758	1.035	0.991	0.598
UL	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550



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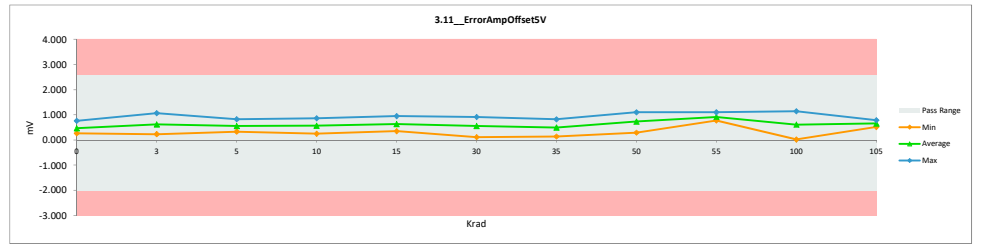
3.11_ErrorAmpOffset5V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	2.55
Min Limit	-2

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	0.740	0.761	0.021
0	140	0.695	0.445	-0.250
0	141	0.633	0.387	-0.247
0	142	0.256	0.266	0.010
3	1	0.202	0.232	0.030
3	2	0.899	0.939	0.040
3	3	0.550	0.591	0.041
3	4	1.048	1.066	0.018
3	5	0.522	0.273	-0.249
5	6	1.073	0.828	-0.244
5	7	0.500	0.502	0.002
5	8	0.407	0.400	-0.007
5	9	0.948	0.721	-0.227
5	10	0.554	0.332	-0.222
10	11	0.202	0.247	0.045
10	12	0.899	0.762	-0.137
10	13	0.550	0.609	0.058
10	14	1.048	0.866	-0.182
10	15	0.522	0.370	-0.152
15	16	1.073	0.951	-0.122
15	17	0.500	0.632	0.133
15	18	0.407	0.487	0.080
15	19	0.948	0.761	-0.187
15	20	0.554	0.352	-0.202
30	89	0.202	0.115	-0.087
30	90	0.899	0.912	0.013
30	91	0.550	0.488	-0.062
30	92	1.048	0.776	-0.271
30	93	0.522	0.505	-0.017
35	132	1.073	0.823	-0.249
35	133	0.500	0.515	0.015
35	135	0.407	0.295	-0.112
35	136	0.948	0.719	-0.229
35	137	0.554	0.142	-0.412
50	94	0.490	0.582	0.092
50	95	0.970	1.071	0.102
50	96	0.914	1.102	0.188
50	97	1.002	0.824	-0.178
50	99	0.301	0.291	-0.010
50	100	0.301	0.511	0.210
55	186	0.734	0.841	0.107
55	187	0.964	0.779	-0.185
55	188	1.278	1.103	-0.175
55	189	0.745	0.874	0.129
55	190	0.985	1.005	0.020
100	101	0.144	0.020	-0.124
100	102	0.708	0.766	0.058
100	103	0.381	0.429	0.048
100	104	0.936	1.046	0.111
100	105	0.512	0.587	0.075
100	106	0.176	0.227	0.051
100	107	0.865	0.808	-0.057
100	108	0.706	0.738	0.031
100	109	0.479	0.387	-0.092
100	110	0.502	0.483	-0.019
100	111	1.113	0.904	-0.209
100	112	0.536	0.642	0.106
100	113	0.553	0.532	-0.021
100	114	0.590	0.548	-0.042
100	115	0.588	0.512	-0.076
100	116	0.325	0.498	0.173
100	117	0.567	0.533	-0.035
100	118	0.945	0.945	0.000
100	119	0.481	0.312	-0.169
100	120	1.130	1.143	0.013
100	121	0.553	0.475	-0.077
100	123	1.184	1.064	-0.120
100	124	0.578	0.518	-0.060
105	191	0.544	0.623	0.078
105	192	0.813	0.681	-0.132
105	193	0.539	0.666	0.127
105	194	0.839	0.786	-0.053
105	195	0.641	0.515	-0.127
	Max	1.278	1.143	0.210
	Average	0.672	0.623	-0.049
	Min	0.144	0.020	-0.412
	Std Dev	0.278	0.268	0.131



3.11_ErrorAmpOffset5V	
Test Site	
Tester	
Test Number	
Max Limit	2.55 mV
Min Limit	-2 mV

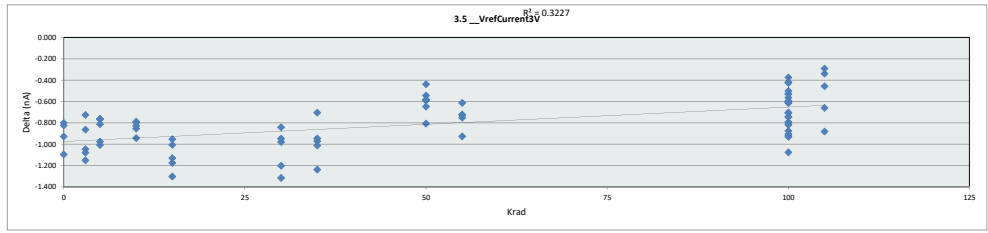
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.266	0.232	0.332	0.247	0.352	0.115	0.142	0.291	0.778	0.020	0.515
Average	0.465	0.620	0.557	0.571	0.637	0.559	0.499	0.730	0.920	0.614	0.654
Max	0.761	1.066	0.829	0.866	0.951	0.912	0.824	1.102	1.103	1.144	0.787
UL	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550	2.550



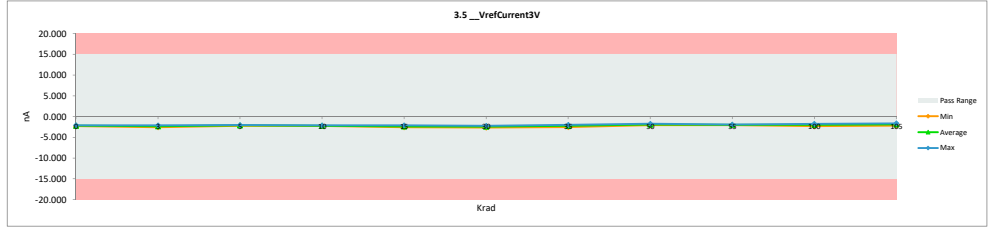


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3.5_VrefCurrent3V				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	15	15		
Min Limit	-15	-15		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	-1.227	-2.324	-1.097
0	140	-1.322	-2.251	-0.929
0	141	-1.297	-2.098	-0.801
0	142	-1.304	-2.129	-0.825
3	1	-1.403	-2.484	-1.081
3	2	-1.265	-2.129	-0.864
3	3	-1.411	-2.138	-0.727
3	4	-1.329	-2.376	-1.047
3	5	-1.430	-2.583	-1.153
5	6	-1.290	-2.053	-0.763
5	7	-1.302	-2.070	-0.768
5	8	-1.162	-2.171	-1.009
5	9	-1.267	-2.244	-0.977
5	10	-1.302	-2.116	-0.814
10	11	-1.403	-2.193	-0.790
10	12	-1.265	-2.121	-0.856
10	13	-1.411	-2.211	-0.800
10	14	-1.329	-2.273	-0.944
10	15	-1.430	-2.260	-0.830
15	16	-1.290	-2.594	-1.304
15	17	-1.302	-2.479	-1.177
15	18	-1.162	-2.116	-0.954
15	19	-1.267	-2.274	-1.007
15	20	-1.302	-2.433	-1.131
30	89	-1.403	-2.606	-1.203
30	90	-1.265	-2.245	-0.980
30	91	-1.411	-2.359	-0.948
30	92	-1.329	-2.647	-1.318
30	93	-1.430	-2.272	-0.842
35	132	-1.290	-2.530	-1.240
35	133	-1.302	-2.008	-0.706
35	135	-1.162	-2.134	-0.972
35	136	-1.267	-2.214	-0.947
35	137	-1.302	-2.315	-1.013
50	94	-1.348	-1.893	-0.545
50	95	-1.282	-2.090	-0.808
50	96	-1.374	-2.022	-0.648
50	97	-1.135	-1.727	-0.592
50	99	-1.462	-1.901	-0.439
50	100	-1.273	-1.856	-0.583
55	186	-1.231	-1.955	-0.724
55	187	-1.401	-2.015	-0.614
55	188	-1.011	-1.939	-0.928
55	189	-1.327	-2.079	-0.752
55	190	-1.317	-2.044	-0.727
100	101	-1.293	-1.997	-0.704
100	102	-1.267	-2.190	-0.923
100	103	-1.278	-2.078	-0.800
100	104	-1.356	-2.176	-0.820
100	105	-1.334	-1.862	-0.528
100	106	-1.167	-2.044	-0.877
100	107	-1.185	-2.117	-0.932
100	108	-1.301	-1.915	-0.614
100	109	-1.238	-2.144	-0.906
100	110	-1.373	-1.905	-0.532
100	111	-1.258	-2.004	-0.746
100	112	-1.192	-1.901	-0.709
100	113	-1.220	-2.297	-1.077
100	114	-1.442	-1.861	-0.419
100	115	-1.469	-2.214	-0.745
100	116	-1.291	-1.792	-0.501
100	117	-1.198	-1.810	-0.612
100	118	-1.357	-2.150	-0.793
100	119	-1.379	-1.755	-0.376
100	120	-1.326	-1.920	-0.594
100	121	-1.509	-1.936	-0.427
100	123	-1.241	-1.806	-0.565
100	124	-1.276	-1.878	-0.602
105	191	-1.297	-1.637	-0.340
105	192	-1.429	-2.090	-0.661
105	193	-1.415	-1.707	-0.292
105	194	-1.312	-2.195	-0.883
105	195	-1.392	-1.850	-0.458
	Max	-1.011	-1.637	-0.292
	Average	-1.309	-2.112	-0.803
	Min	-1.509	-2.647	-1.318
	Std Dev	0.089	0.226	0.232

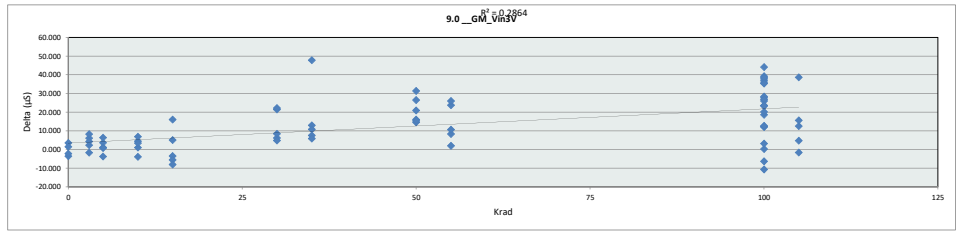


3.5_VrefCurrent3V											
Test Site											
Tester											
Test Number											
Max Limit	15	nA									
Min Limit	-15	nA									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000	-15.000
Min	-2.324	-2.583	-2.244	-2.273	-2.594	-2.647	-2.530	-2.090	-2.079	-2.297	-2.195
Average	-2.201	-2.342	-2.131	-2.212	-2.379	-2.426	-2.240	-1.915	-2.006	-1.989	-1.896
Max	-2.098	-2.129	-2.053	-2.121	-2.116	-2.245	-2.008	-1.727	-1.939	-1.755	-1.637
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000

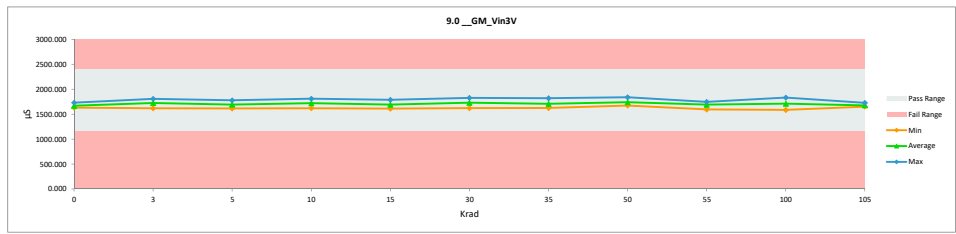


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9.0_GM_Vin3V				
Test Site				
Tester				
Test Number				
Unit	µS	µS		
Max Limit	2400	2400		
Min Limit	1150	1150		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	1726.676	1730.188	3.512
0	140	1676.769	1673.122	-3.647
0	141	1648.849	1646.602	-2.247
0	142	1629.582	1631.009	1.427
3	1	1669.101	1675.126	6.025
3	2	1726.773	1725.055	-1.718
3	3	1780.483	1788.697	8.214
3	4	1616.958	1619.242	2.284
3	5	1804.180	1808.408	4.228
5	6	1695.567	1699.154	3.587
5	7	1725.301	1726.414	1.113
5	8	1773.290	1779.573	6.283
5	9	1649.196	1649.961	0.765
5	10	1619.342	1615.513	-3.829
10	11	1669.101	1673.533	4.432
10	12	1726.773	1722.778	-3.995
10	13	1780.483	1781.488	1.005
10	14	1616.958	1620.378	3.420
10	15	1804.180	1811.020	6.840
15	16	1695.567	1691.993	-3.574
15	17	1725.301	1730.353	5.052
15	18	1773.290	1789.288	15.998
15	19	1649.196	1643.604	-5.592
15	20	1619.342	1611.240	-8.102
30	89	1669.101	1690.519	21.418
30	90	1726.773	1732.958	6.185
30	91	1780.483	1788.874	8.391
30	92	1616.958	1621.775	4.817
30	93	1804.180	1826.376	22.196
35	132	1695.567	1703.123	7.556
35	133	1725.301	1738.200	12.899
35	135	1773.290	1821.079	47.789
35	136	1649.196	1659.932	10.736
35	137	1619.342	1625.132	5.790
50	94	1687.160	1713.620	26.460
50	95	1809.984	1840.956	31.372
50	96	1713.996	1728.531	14.535
50	97	1658.849	1674.809	15.960
50	99	1731.248	1752.117	20.869
50	100	1722.654	1737.954	15.300
55	186	1697.769	1721.442	23.673
55	187	1592.902	1594.894	1.982
55	188	1664.639	1690.613	25.974
55	189	1739.238	1747.550	8.312
55	190	1699.277	1709.877	10.600
100	101	1684.894	1720.556	35.662
100	102	1813.900	1832.482	18.582
100	103	1720.738	1732.811	12.073
100	104	1797.946	1821.519	23.573
100	105	1726.084	1762.838	36.754
100	106	1758.159	1770.292	12.133
100	107	1646.465	1659.150	12.685
100	108	1631.491	1669.277	37.786
100	109	1587.471	1587.705	0.234
100	110	1722.483	1742.640	20.157
100	111	1601.313	1627.237	25.924
100	112	1780.791	1819.989	39.198
100	113	1587.902	1591.051	3.149
100	114	1710.855	1749.276	38.421
100	115	1654.133	1681.812	27.679
100	116	1582.384	1610.737	28.353
100	117	1790.874	1784.502	-6.372
100	118	1619.424	1646.137	26.713
100	119	1741.376	1785.461	44.085
100	120	1646.014	1681.267	35.253
100	121	1712.376	1735.786	23.410
100	123	1679.073	1668.345	-10.728
100	124	1645.503	1668.895	23.392
105	191	1630.060	1668.688	38.628
105	192	1714.044	1726.554	12.510
105	193	1648.433	1653.125	4.692
105	194	1690.681	1689.024	-1.657
105	195	1636.589	1652.149	15.560
	Max	1813.900	1840.956	47.789
	Average	1695.085	1708.265	13.180
	Min	1582.384	1587.705	-10.728
	Std Dev	63.205	66.485	14.023

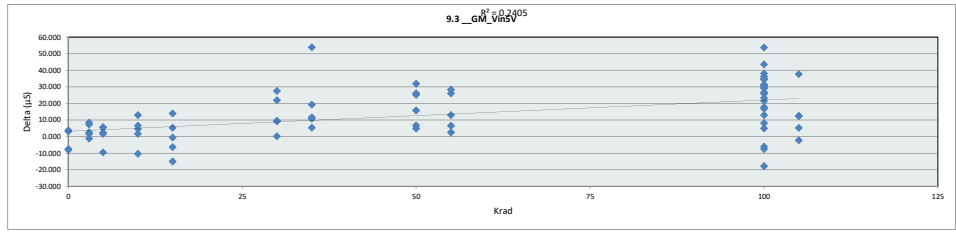


9.0_GM_Vin3V											
Test Site											
Tester											
Test Number											
Max Limit	2400	µS									
Min Limit	1150	µS									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min	1631.009	1619.242	1615.513	1620.378	1611.240	1621.775	1625.132	1674.809	1594.884	1587.705	1652.149
Average	1670.230	1723.306	1694.123	1721.839	1693.296	1732.100	1709.493	1741.331	1692.873	1710.859	1677.908
Max	1730.188	1808.408	1779.573	1811.020	1789.288	1826.376	1821.079	1840.956	1747.550	1832.482	1726.554
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000

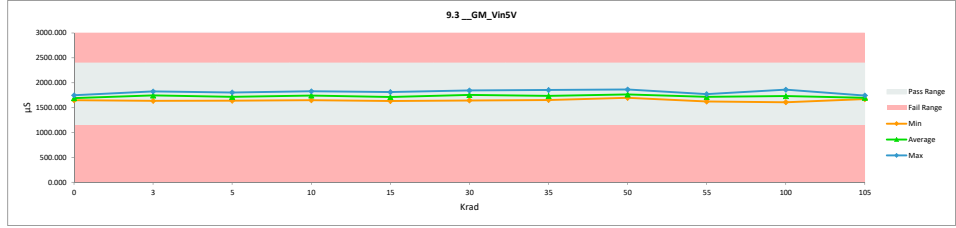


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9.3 GM_VinSV				
Test Site	Tester	Test Number	Unit	µS
Max Limit			2400	2400
Min Limit			1150	1150
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	1745.488	1749.311	3.823
0	140	1693.112	1696.248	3.136
0	141	1675.572	1668.102	-7.470
0	142	1657.808	1649.691	-8.117
3	1	1691.362	1698.656	7.294
3	2	1757.024	1755.807	-1.217
3	3	1798.463	1806.996	8.533
3	4	1635.553	1637.160	1.607
3	5	1823.403	1826.016	2.613
5	6	1710.577	1716.245	5.668
5	7	1749.426	1750.982	1.556
5	8	1800.013	1805.546	5.533
5	9	1667.164	1669.629	2.465
5	10	1648.782	1639.244	-9.538
10	11	1691.362	1695.921	4.559
10	12	1757.024	1746.593	-10.431
10	13	1798.463	1800.103	1.640
10	14	1635.553	1648.506	12.953
10	15	1823.403	1830.004	6.601
15	16	1710.577	1710.067	-0.510
15	17	1749.426	1754.795	5.369
15	18	1800.013	1813.984	13.971
15	19	1667.164	1660.810	-6.354
15	20	1648.782	1633.775	-15.007
30	89	1691.362	1718.890	27.528
30	90	1757.024	1757.262	0.238
30	91	1798.463	1807.916	9.453
30	92	1635.553	1644.702	9.149
30	93	1823.403	1845.368	21.965
35	132	1710.577	1721.349	10.772
35	133	1749.426	1768.655	19.229
35	135	1800.013	1853.878	53.865
35	136	1667.164	1678.812	11.648
35	137	1648.782	1654.163	5.381
50	94	1704.599	1736.446	31.847
50	95	1838.552	1864.667	26.115
50	96	1744.260	1750.973	6.713
50	97	1681.042	1696.779	15.737
50	99	1756.217	1781.452	25.235
50	100	1752.244	1757.081	4.837
55	186	1723.190	1751.484	28.294
55	187	1620.513	1623.032	2.519
55	188	1681.691	1707.764	26.073
55	189	1758.752	1771.670	12.918
55	190	1725.661	1732.196	6.535
100	101	1709.190	1743.612	34.422
100	102	1832.307	1861.543	29.236
100	103	1749.674	1754.670	4.996
100	104	1816.308	1852.416	36.108
100	105	1750.791	1781.378	30.587
100	106	1781.774	1798.627	16.853
100	107	1668.318	1686.061	17.743
100	108	1660.577	1691.398	30.821
100	109	1615.010	1608.929	-6.081
100	110	1745.560	1771.380	25.820
100	111	1620.290	1649.731	29.441
100	112	1804.894	1848.451	43.557
100	113	1610.432	1618.530	8.098
100	114	1735.168	1766.536	31.368
100	115	1673.711	1711.762	38.051
100	116	1601.341	1628.071	26.730
100	117	1808.509	1800.998	-7.511
100	118	1642.309	1663.778	21.469
100	119	1759.540	1813.181	53.641
100	120	1665.283	1700.322	35.039
100	121	1739.932	1752.888	12.956
100	123	1707.410	1689.563	-17.847
100	124	1662.333	1685.650	23.317
105	191	1654.175	1691.862	37.687
105	192	1731.717	1744.141	12.424
105	193	1670.985	1676.199	5.214
105	194	1714.001	1711.667	-2.334
105	195	1660.174	1672.579	12.405
	Max	1838.552	1864.667	53.865
	Average	1717.750	1731.023	13.273
	Min	1601.341	1608.929	-17.847
	Std Dev	63.093	67.208	15.668



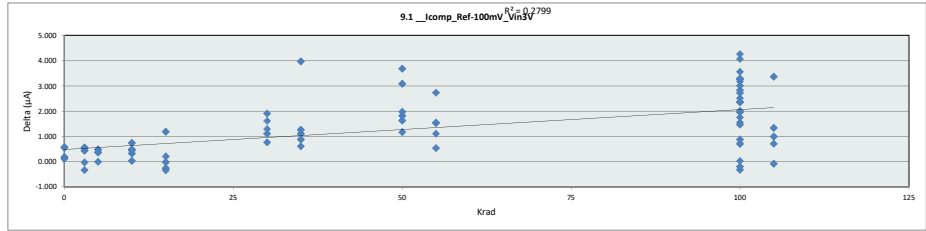
9.3 GM_VinSV										
Test Site	Tester	Test Number	Max Limit	Min Limit	Unit	µS	µS	µS	µS	µS
			2400	1150						
Krad	0	3	5	10	15	30	35	50	55	100
LL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min	1649.691	1637.160	1639.244	1648.506	1633.775	1644.702	1654.163	1696.779	1623.032	1608.929
Average	1690.838	1744.927	1716.329	1744.225	1714.686	1754.828	1735.371	1764.566	1717.229	1733.890
Max	1749.311	1826.016	1805.546	1830.004	1813.984	1845.368	1853.878	1864.667	1771.670	1861.543
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000



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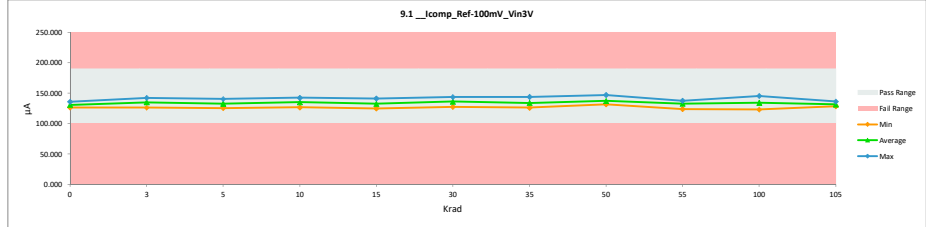
9.1_Icomp_Ref-100mV_Vin3V	
Test Site	
Tester	
Test Number	
Unit	µA
Max Limit	190
Min Limit	100

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	135.655	135.838	0.183
0	140	131.049	131.598	0.549
0	141	128.435	129.013	0.578
0	142	126.471	126.591	0.120
3	1	130.084	130.526	0.442
3	2	135.564	135.235	-0.329
3	3	140.206	140.763	0.557
3	4	126.199	126.173	-0.026
3	5	141.726	142.285	0.559
5	6	132.484	132.973	0.489
5	7	135.970	135.966	-0.004
5	8	139.973	140.451	0.478
5	9	128.437	128.813	0.376
5	10	124.991	125.354	0.363
10	11	130.084	130.411	0.327
10	12	135.564	136.017	0.453
10	13	140.206	140.244	0.038
10	14	126.199	126.693	0.494
10	15	141.726	142.472	0.746
15	16	132.484	132.225	-0.259
15	17	135.970	136.177	0.207
15	18	139.973	141.164	1.191
15	19	128.437	128.098	-0.339
15	20	124.991	124.976	-0.015
30	89	130.084	131.697	1.613
30	90	135.564	136.678	1.114
30	91	140.206	140.977	0.771
30	92	126.199	127.496	1.297
30	93	141.726	143.639	1.913
35	132	132.484	133.368	0.884
35	133	135.970	136.582	0.612
35	135	135	143.582	0.612
35	136	128.437	129.698	1.261
35	137	124.991	126.105	1.114
50	94	131.406	134.500	3.094
50	95	143.337	147.020	3.683
50	96	135.012	136.831	1.819
50	97	129.729	131.706	1.977
50	99	135.986	137.613	1.627
50	100	135.113	136.283	1.170
55	186	133.724	135.257	1.533
55	187	123.366	123.905	0.539
55	188	129.793	132.527	2.734
55	189	136.522	137.628	1.106
55	190	133.106	134.667	1.561
100	101	131.593	135.157	3.564
100	102	143.677	145.431	1.754
100	103	134.475	136.026	1.551
100	104	142.428	144.388	1.960
100	105	135.904	138.740	2.836
100	106	138.502	139.199	0.697
100	107	128.547	129.430	0.883
100	108	126.570	130.639	4.069
100	109	122.529	123.264	0.735
100	110	135.687	137.150	1.463
100	111	124.202	127.467	3.265
100	112	141.413	144.422	3.009
100	113	123.061	123.090	0.029
100	114	134.462	137.645	3.183
100	115	129.202	131.926	2.724
100	116	122.073	124.440	2.367
100	117	141.532	141.210	-0.322
100	118	126.683	128.692	2.009
100	119	136.625	140.886	4.261
100	120	128.360	131.664	3.304
100	121	134.118	136.634	2.516
100	123	131.645	131.452	-0.193
100	124	127.728	130.079	2.351
105	191	126.908	130.279	3.371
105	192	134.961	136.299	1.338
105	193	128.349	129.063	0.714
105	194	133.148	133.068	-0.080
105	195	127.590	128.589	0.999
	Max	143.677	147.020	4.261
	Average	132.707	134.034	1.328
	Min	122.073	123.090	-0.339
	Std Dev	5.767	5.954	1.221



9.1_Icomp_Ref-100mV_Vin3V	
Test Site	
Tester	
Test Number	
Max Limit	190 µA
Min Limit	100 µA

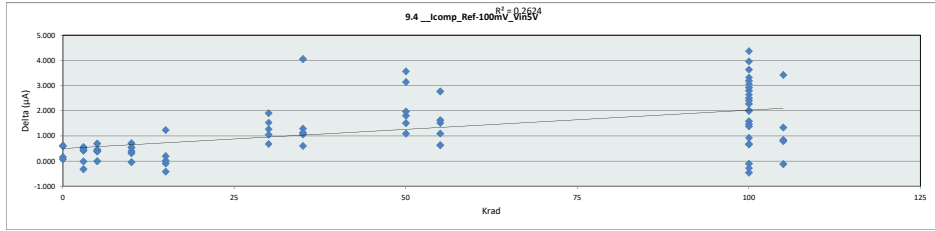
Krad	0	3	5	10	15	30	35	50	55	100	105
Min	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Average	126.591	126.173	125.354	126.693	124.976	127.496	126.105	131.706	123.905	123.090	128.589
Max	130.760	134.996	132.711	135.167	132.528	136.097	133.941	137.326	132.797	134.306	131.460
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000



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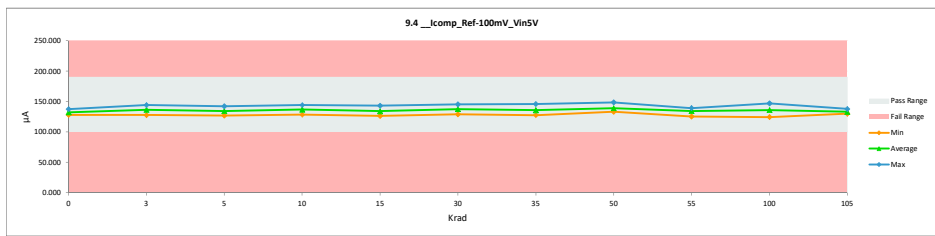
9.4 Icomp_Ref-100mV_Vin5V	
Test Site	
Tester	
Test Number	
Unit	µA
Max Limit	190
Min Limit	100

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	137.435	137.603	0.168
0	140	132.737	133.370	0.633
0	141	129.901	130.581	0.680
0	142	128.098	128.174	-0.076
3	1	131.718	132.143	0.425
3	2	137.383	137.069	-0.314
3	3	141.963	142.449	0.486
3	4	127.826	127.821	-0.005
3	5	143.608	144.173	0.565
5	6	133.974	134.679	0.701
5	7	137.805	137.808	0.003
5	8	141.955	142.418	0.463
5	9	130.177	130.569	0.392
5	10	126.672	127.067	0.395
10	11	131.718	132.033	0.315
10	12	137.383	137.785	0.402
10	13	141.963	141.929	-0.034
10	14	127.826	128.374	0.548
10	15	143.608	144.327	0.719
15	16	133.978	133.894	-0.084
15	17	137.805	138.008	0.203
15	18	141.955	143.195	1.240
15	19	130.177	129.767	-0.410
15	20	126.672	126.695	0.023
30	89	131.718	132.374	0.656
30	90	137.383	138.444	1.061
30	91	141.963	142.646	0.683
30	92	127.826	129.095	1.269
30	93	143.608	145.515	1.907
35	132	133.978	135.045	1.067
35	133	137.805	138.412	0.607
35	135	141.955	143.195	1.240
35	136	130.177	131.466	1.289
35	137	126.672	127.807	1.135
50	94	133.075	136.217	3.142
50	95	145.267	148.828	3.561
50	96	136.765	138.570	1.805
50	97	131.370	133.338	1.968
50	99	137.925	139.420	1.514
50	100	136.925	138.018	1.093
55	186	135.601	137.117	1.516
55	187	124.930	125.572	0.642
55	188	131.394	134.160	2.766
55	189	138.262	139.362	1.100
55	190	134.647	136.273	1.626
100	101	133.304	136.939	3.635
100	102	145.396	146.986	1.590
100	103	136.185	137.660	1.475
100	104	144.239	146.256	2.017
100	105	137.687	140.485	2.798
100	106	140.248	140.909	0.661
100	107	130.149	131.072	0.923
100	108	128.244	132.209	3.965
100	109	124.158	124.852	0.694
100	110	137.341	138.731	1.390
100	111	125.873	129.061	3.188
100	112	143.158	146.078	2.920
100	113	124.713	124.614	-0.099
100	114	136.199	139.253	3.054
100	115	131.077	133.713	2.636
100	116	123.835	126.103	2.268
100	117	143.296	142.840	-0.456
100	118	128.380	130.371	1.991
100	119	138.267	142.628	4.361
100	120	130.103	133.424	3.321
100	121	135.711	138.212	2.501
100	123	133.351	133.082	-0.269
100	124	129.291	131.697	2.406
105	191	128.577	131.998	3.421
105	192	136.575	137.916	1.341
105	193	129.929	130.776	0.847
105	194	134.901	134.789	-0.112
105	195	129.281	130.086	0.805
	Max	145.396	148.828	4.361
	Average	134.426	135.743	1.317
	Min	123.835	124.614	-0.456
	Std Dev	5.835	6.010	1.219



9.4 Icomp_Ref-100mV_Vin5V	
Test Site	
Tester	
Test Number	
Max Limit	190 µA
Min Limit	100 µA

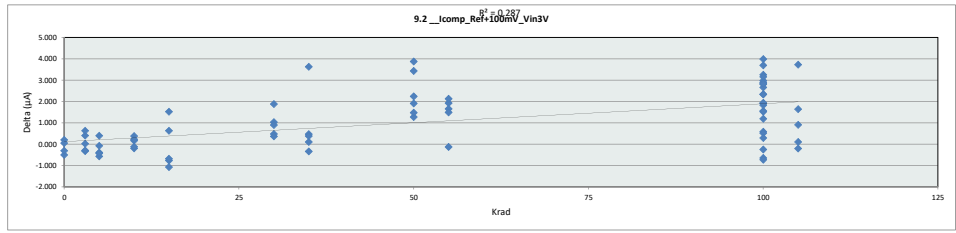
Krad	0	3	5	10	15	30	35	50	55	100	105
Min	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Average	132.432	136.731	134.508	136.890	134.312	137.790	135.747	139.065	134.497	135.964	133.113
Max	137.603	144.173	142.418	144.327	143.195	145.515	146.007	148.828	139.362	146.986	137.916
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000



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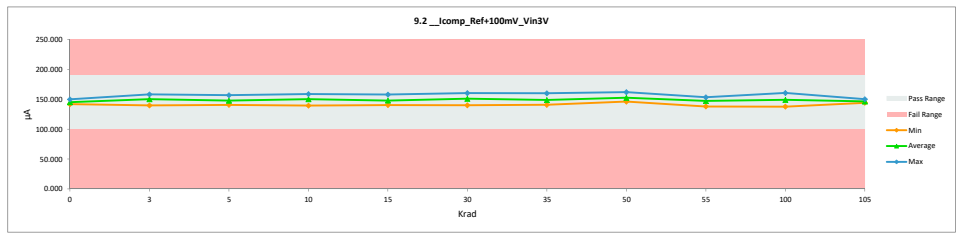
9.2 Icomp_Ref+100mV_Vin3V			
Test Site			
Tester			
Test Number			
Unit	µA	µA	
Max Limit	190	190	
Min Limit	100	100	

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	149.711	149.912	0.201
0	140	146.064	145.557	-0.507
0	141	143.349	143.037	-0.312
0	142	141.740	141.785	0.045
3	1	146.185	146.588	0.403
3	2	150.355	150.029	-0.326
3	3	155.355	155.978	0.623
3	4	139.617	139.633	0.016
3	5	158.409	158.109	-0.300
5	6	147.802	147.405	-0.397
5	7	151.090	151.011	-0.079
5	8	156.390	156.782	0.392
5	9	143.479	142.908	-0.571
5	10	141.055	140.621	-0.434
10	11	146.185	146.561	0.376
10	12	150.355	150.156	-0.199
10	13	155.355	155.517	0.162
10	14	139.617	139.496	-0.121
10	15	158.409	158.635	0.226
15	16	147.802	147.031	-0.771
15	17	151.090	151.713	0.623
15	18	156.390	157.909	1.519
15	19	143.479	142.404	-1.075
15	20	141.055	140.365	-0.690
30	89	146.185	147.215	1.030
30	90	150.355	151.247	0.892
30	91	155.355	155.834	0.479
30	92	139.617	139.981	0.364
30	93	158.409	160.284	1.875
35	132	147.802	147.904	0.102
35	133	151.090	151.559	0.469
35	135	156.390	160.017	3.627
35	136	143.479	143.856	0.377
35	137	141.055	140.716	-0.339
50	94	146.883	150.313	3.430
50	95	158.087	161.959	3.872
50	96	148.737	150.977	2.240
50	97	144.930	146.199	1.269
50	99	152.157	153.626	1.469
50	100	150.535	152.439	1.904
55	186	147.800	149.725	1.925
55	187	138.091	137.956	-0.135
55	188	144.373	146.499	2.126
55	189	151.607	153.261	1.654
55	190	147.319	148.810	1.491
100	101	147.645	150.451	2.806
100	102	159.077	160.597	1.520
100	103	150.921	152.478	1.557
100	104	157.035	159.370	2.335
100	105	150.474	153.449	2.975
100	106	154.834	155.412	0.578
100	107	143.792	144.307	0.515
100	108	141.299	145.281	3.982
100	109	137.387	137.672	0.285
100	110	150.652	151.839	1.187
100	111	138.417	141.071	2.654
100	112	156.127	159.375	3.248
100	113	138.532	138.282	-0.250
100	114	149.834	152.724	2.890
100	115	143.721	146.058	2.337
100	116	136.949	139.779	2.830
100	117	156.618	155.972	-0.646
100	118	140.777	142.601	1.824
100	119	152.005	155.697	3.692
100	120	142.526	145.679	3.153
100	121	149.110	151.012	1.902
100	123	145.810	145.081	-0.729
100	124	142.924	144.860	1.936
105	191	142.102	145.820	3.718
105	192	149.164	150.067	0.903
105	193	143.999	144.100	0.101
105	194	147.598	147.394	-0.204
105	195	142.638	144.278	1.640
	Max	159.077	161.959	3.982
	Average	147.843	148.907	1.064
	Min	136.949	137.672	-1.075
	Std Dev	6.035	6.364	1.360



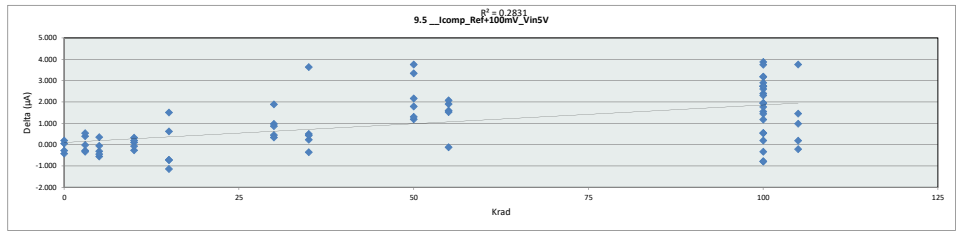
9.2 Icomp_Ref+100mV_Vin			
Test Site			
Tester			
Test Number			
Unit	µA	µA	
Max Limit	190	190	
Min Limit	100	100	

Krad	3	5	10	15	30	35	50	55	100	105
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	141.785	139.633	140.621	139.496	140.365	139.981	140.716	146.199	137.956	137.672
Average	145.073	150.067	147.745	150.073	147.884	150.912	148.810	152.586	147.250	149.089
Max	149.912	158.109	156.782	158.635	157.909	160.284	160.017	161.959	153.261	160.597
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000

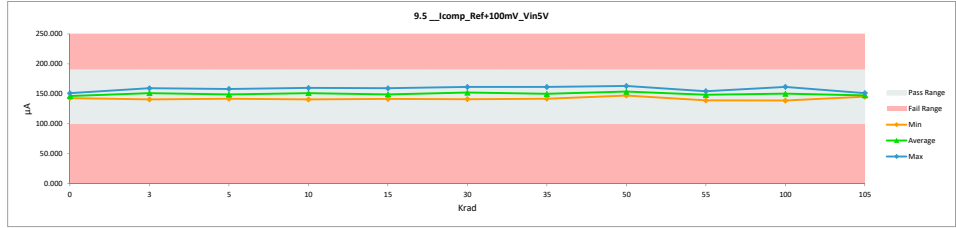


LDR TID Report  
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9.5_Icomp_Ref+100mV_Vin5V				
Test Site				
Tester				
Test Number				
Unit	µA	µA		
Max Limit	190	190		
Min Limit	100	100		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	150.818	151.005	0.187
0	140	146.968	146.544	-0.424
0	141	144.254	143.973	-0.281
0	142	142.740	142.785	0.045
3	1	147.155	147.549	0.394
3	2	151.441	151.156	-0.285
3	3	156.506	157.040	0.534
3	4	140.603	140.586	-0.017
3	5	159.548	159.216	-0.332
5	6	148.744	148.430	-0.314
5	7	152.163	152.104	-0.059
5	8	157.673	158.024	0.351
5	9	144.522	143.966	-0.556
5	10	142.095	141.649	-0.446
10	11	147.155	147.482	0.327
10	12	151.441	151.175	-0.266
10	13	156.506	156.607	0.101
10	14	140.603	140.530	-0.073
10	15	159.548	159.741	0.193
15	16	148.744	148.020	-0.724
15	17	152.163	152.779	0.616
15	18	157.673	159.178	1.505
15	19	144.522	143.381	-1.141
15	20	142.095	141.381	-0.714
30	89	147.155	148.128	0.973
30	90	151.441	152.309	0.868
30	91	156.506	156.949	0.443
30	92	140.603	140.939	0.336
30	93	159.548	161.431	1.883
35	132	148.744	148.975	0.231
35	133	152.163	152.660	0.497
35	135	157.673	161.302	3.629
35	136	144.522	144.955	0.433
35	137	142.095	141.735	-0.360
50	94	147.855	151.192	3.337
50	95	159.279	163.033	3.754
50	96	149.856	152.022	2.166
50	97	145.909	147.094	1.185
50	99	153.282	154.581	1.299
50	100	151.698	153.485	1.787
55	186	149.052	150.952	1.900
55	187	139.033	138.905	-0.128
55	188	145.316	147.390	2.074
55	189	152.701	154.296	1.595
55	190	148.160	149.683	1.523
100	101	148.783	151.513	2.730
100	102	160.016	161.563	1.547
100	103	151.922	153.367	1.445
100	104	158.176	160.567	2.391
100	105	151.554	154.449	2.895
100	106	155.818	156.360	0.542
100	107	144.636	145.174	0.538
100	108	142.334	146.209	3.875
100	109	138.433	138.624	0.191
100	110	151.745	152.921	1.176
100	111	139.356	141.964	2.608
100	112	157.214	160.387	3.173
100	113	139.478	139.143	-0.335
100	114	150.973	153.713	2.740
100	115	144.909	147.214	2.305
100	116	137.994	140.736	2.742
100	117	157.689	156.905	-0.784
100	118	141.797	143.565	1.768
100	119	152.965	156.710	3.745
100	120	143.636	146.816	3.180
100	121	150.143	152.084	1.941
100	123	146.860	146.065	-0.795
100	124	143.842	145.795	1.953
105	191	143.094	146.848	3.754
105	192	150.127	151.106	0.979
105	193	144.872	145.056	0.184
105	194	148.658	148.445	-0.213
105	195	143.636	145.086	1.450
	Max	160.016	163.033	3.875
	Average	148.889	149.927	1.038
	Min	137.994	138.624	-1.141
	Std Dev	6.089	6.413	1.345

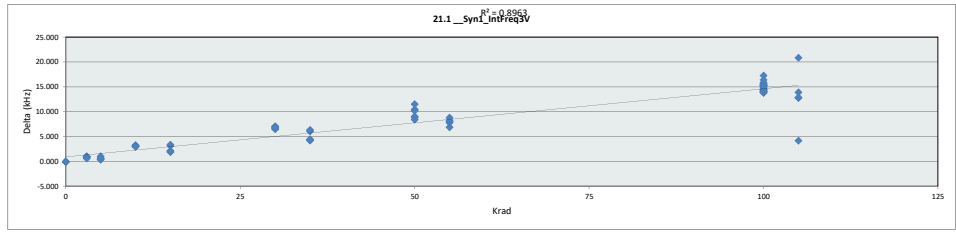


9.5_Icomp_Ref+100mV_Vin											
Test Site											
Tester											
Test Number											
Max Limit	190	µA									
Min Limit	100	µA									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	142.785	140.586	141.649	140.530	141.381	140.939	141.735	147.094	138.905	138.624	145.056
Average	146.077	151.109	148.835	151.107	148.948	151.951	149.925	153.568	148.245	150.080	147.308
Max	151.005	159.216	158.024	159.741	159.178	161.431	161.302	163.033	154.296	161.563	151.106
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000

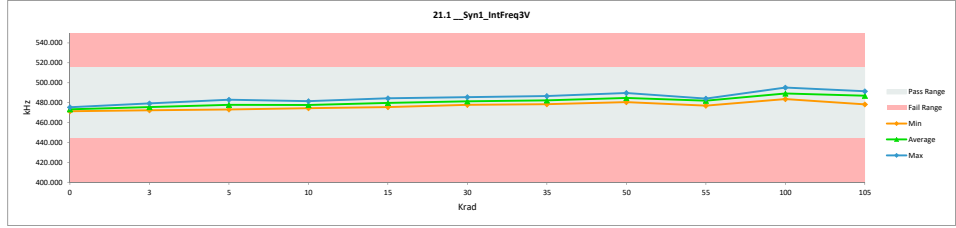


LDR TID Report  
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21.1_Syn1_IntFreq3V				
Test Site	Tester	Test Number	Unit	Max Limit
			kHz	515
			kHz	515
			Min Limit	444
			Min Limit	444
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	471.428	471.315	-0.113
0	140	475.468	475.409	-0.059
0	141	471.532	471.453	-0.079
0	142	474.763	474.741	-0.022
3	1	478.415	479.288	0.873
3	2	477.386	478.363	0.977
3	3	471.371	472.298	0.927
3	4	473.463	474.479	1.016
3	5	472.333	472.932	0.599
5	6	482.451	482.922	0.471
5	7	476.523	477.123	0.600
5	8	479.145	479.484	0.339
5	9	472.106	473.113	1.007
5	10	475.458	476.080	0.622
10	11	478.415	481.486	3.071
10	12	477.386	480.656	3.270
10	13	471.371	474.449	3.078
10	14	473.463	476.613	3.150
10	15	472.333	475.290	2.957
15	16	482.451	484.402	1.951
15	17	476.523	478.669	2.146
15	18	479.145	482.297	3.152
15	19	472.106	475.482	3.376
15	20	475.458	477.349	1.891
30	89	478.415	485.478	7.063
30	90	477.386	484.343	6.957
30	91	471.371	477.853	6.482
30	92	473.463	480.156	6.693
30	93	472.333	479.109	6.776
35	132	482.451	486.641	4.190
35	133	476.523	480.823	4.300
35	135	479.145	485.221	6.076
35	136	472.106	478.433	6.327
35	137	475.458	479.935	4.477
50	94	471.485	480.510	9.025
50	95	475.388	484.447	8.959
50	96	476.847	485.277	8.430
50	97	471.661	482.109	10.448
50	99	476.305	486.495	10.190
50	100	478.162	489.678	11.516
55	186	477.251	484.126	6.875
55	187	475.855	483.667	7.812
55	188	468.907	476.948	8.041
55	189	474.550	483.342	8.792
55	190	473.404	481.607	8.203
100	101	470.921	486.777	15.856
100	102	477.938	495.202	17.264
100	103	475.536	490.852	15.316
100	104	472.686	487.923	15.237
100	105	473.522	488.753	15.231
100	106	475.663	490.199	14.536
100	107	476.374	490.899	14.525
100	108	471.719	487.041	15.322
100	109	470.685	485.726	15.041
100	110	470.559	484.337	13.778
100	111	471.760	485.763	14.003
100	112	473.946	489.622	15.676
100	113	477.295	492.681	15.386
100	114	479.692	493.668	13.976
100	115	479.254	494.768	15.514
100	116	470.602	484.588	13.986
100	117	475.430	489.414	13.984
100	118	476.071	490.550	14.479
100	119	469.336	483.611	14.275
100	120	471.833	486.298	14.465
100	121	478.896	492.835	13.939
100	123	473.849	488.717	14.868
100	124	474.243	490.652	16.409
105	191	475.555	489.428	13.873
105	192	478.645	491.419	12.774
105	193	474.071	478.229	4.158
105	194	476.127	488.989	12.862
105	195	465.456	486.300	20.844
	Max	482.451	495.202	20.844
	Average	474.888	483.111	8.223
	Min	465.456	471.315	-0.113
	Std Dev	3.350	6.152	5.912



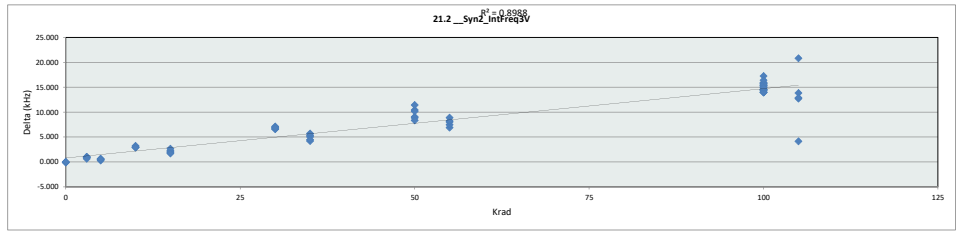
21.1_Syn1_IntFreq3V										
Test Site	Tester	Test Number	Max Limit	Min Limit	LL	Min	Average	Max	UL	
			515	444	444.000	471.315	473.230	475.409	515.000	
			kHz	kHz	444.000	472.298	475.472	479.640	515.000	
					444.000	473.113	477.744	481.486	515.000	
					444.000	474.449	477.699	484.402	515.000	
					444.000	475.482	479.640	485.478	515.000	
					444.000	477.853	481.388	486.641	515.000	
					444.000	478.433	482.211	489.678	515.000	
					444.000	480.510	484.753	488.126	515.000	
					444.000	476.948	481.938	484.126	515.000	
					444.000	483.611	489.169	495.202	515.000	
					444.000	478.229	486.873	491.419	515.000	



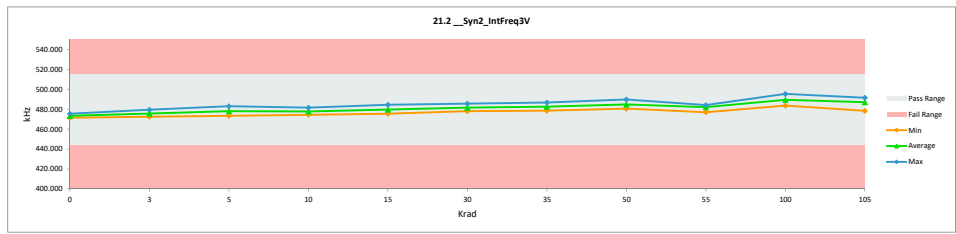


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21.2_Syn2_IntFreq3V				
Test Site				
Tester				
Test Number				
Unit	kHz	kHz		
Max Limit	515	515		
Min Limit	444	444		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	471.474	471.380	-0.094
0	140	475.543	475.493	-0.050
0	141	471.757	471.620	-0.137
0	142	474.836	474.843	0.007
3	1	478.515	479.410	0.895
3	2	477.473	478.445	0.972
3	3	471.406	472.374	0.968
3	4	473.643	474.651	1.008
3	5	472.373	472.991	0.618
5	6	482.538	483.023	0.485
5	7	476.577	477.202	0.625
5	8	480.010	480.292	0.282
5	9	472.848	473.321	0.473
5	10	475.628	476.233	0.605
10	11	478.515	481.494	2.979
10	12	477.473	480.691	3.218
10	13	471.406	474.418	3.012
10	14	473.643	476.591	2.948
10	15	472.373	475.257	2.884
15	16	482.538	484.422	1.884
15	17	476.577	478.635	2.058
15	18	480.010	482.292	2.282
15	19	472.848	475.509	2.661
15	20	475.628	477.316	1.688
30	89	478.515	485.626	7.111
30	90	477.473	484.421	6.948
30	91	471.406	477.964	6.558
30	92	473.643	480.276	6.633
30	93	472.373	479.196	6.823
35	132	482.538	486.722	4.184
35	133	476.577	481.614	5.037
35	135	480.010	485.358	5.348
35	136	472.848	478.555	5.707
35	137	475.628	480.071	4.443
50	94	471.545	480.606	9.061
50	95	475.656	484.523	8.867
50	96	476.993	485.334	8.341
50	97	471.799	482.229	10.430
50	99	476.401	486.582	10.181
50	100	478.350	489.784	11.434
55	186	477.272	484.160	6.888
55	187	476.270	483.748	7.478
55	188	468.975	476.986	8.011
55	189	474.559	483.453	8.894
55	190	473.481	481.705	8.224
100	101	471.023	486.866	15.843
100	102	478.097	495.325	17.228
100	103	475.675	491.453	15.778
100	104	472.792	488.084	15.292
100	105	473.603	489.537	15.934
100	106	475.821	490.669	14.848
100	107	476.497	491.029	14.532
100	108	471.778	487.162	15.384
100	109	470.740	485.820	15.080
100	110	470.663	485.207	14.544
100	111	471.940	486.286	14.346
100	112	474.061	489.749	15.688
100	113	477.411	492.743	15.332
100	114	479.802	493.767	13.965
100	115	479.400	494.946	15.546
100	116	470.654	484.687	14.033
100	117	475.573	489.547	13.974
100	118	476.162	490.654	14.492
100	119	469.409	483.704	14.295
100	120	471.895	486.402	14.507
100	121	479.028	492.976	13.948
100	123	473.909	488.844	14.935
100	124	474.336	490.744	16.408
105	191	475.622	489.445	13.823
105	192	478.734	491.442	12.708
105	193	474.183	478.321	4.138
105	194	476.274	489.152	12.878
105	195	465.595	486.407	20.812
	Max	482.538	495.325	20.812
	Average	475.050	483.257	8.208
	Min	465.595	471.380	-0.137
	Std Dev	3.381	6.186	5.995

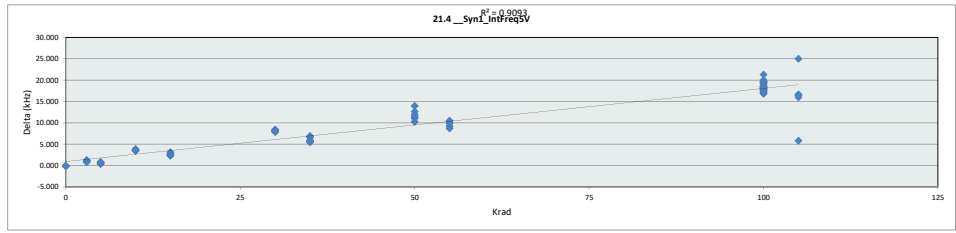


21.2_Syn2_IntFreq3V										
Test Site										
Tester										
Test Number										
Max Limit	515	kHz								
Min Limit	444	kHz								
Krad	0	5	10	15	30	35	50	55	100	105
LL	444.000	444.000	444.000	444.000	444.000	444.000	444.000	444.000	444.000	444.000
Min	471.380	472.374	473.321	474.418	475.509	477.964	478.555	480.606	476.986	483.704
Average	473.334	475.574	478.014	477.690	479.635	481.497	482.464	484.843	482.010	489.400
Max	475.493	479.410	483.023	481.494	484.422	485.626	486.722	489.784	484.160	495.325
UL	515.000	515.000	515.000	515.000	515.000	515.000	515.000	515.000	515.000	515.000

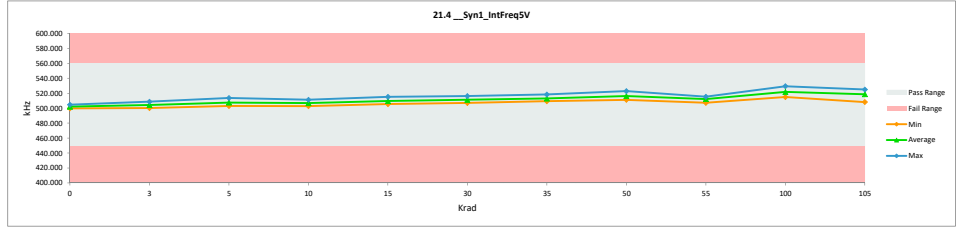


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21.4_Syn1_IntFreq5V				
Test Site				
Tester				
Test Number				
Unit	kHz	kHz		
Max Limit	560	560		
Min Limit	449	449		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	499.904	499.761	-0.143
0	140	504.630	504.596	-0.034
0	141	500.611	500.466	-0.145
0	142	503.393	503.301	-0.092
3	1	507.848	508.805	0.957
3	2	506.555	507.653	1.098
3	3	499.208	500.282	1.074
3	4	501.499	502.751	1.252
3	5	501.171	501.922	0.751
5	6	512.916	513.583	0.667
5	7	505.019	505.668	0.649
5	8	510.246	510.579	0.333
5	9	502.448	503.004	0.556
5	10	504.231	505.055	0.824
10	11	507.848	511.309	3.461
10	12	506.555	510.425	3.870
10	13	499.208	502.711	3.503
10	14	501.499	504.998	3.499
10	15	501.171	504.661	3.490
15	16	512.916	515.247	2.331
15	17	505.019	507.524	2.505
15	18	510.246	513.022	2.776
15	19	502.448	505.564	3.116
15	20	504.231	506.537	2.306
30	89	507.848	516.271	8.423
30	90	506.555	514.787	8.232
30	91	499.208	507.049	7.841
30	92	501.499	509.537	8.038
30	93	501.171	509.348	8.177
35	132	512.916	518.345	5.429
35	133	505.019	510.922	5.903
35	135	510.246	516.836	6.590
35	136	502.448	509.328	6.880
35	137	504.231	509.895	5.664
50	94	499.828	511.218	11.390
50	95	505.845	516.914	11.069
50	96	505.507	515.723	10.216
50	97	501.128	513.755	12.627
50	99	505.326	517.246	11.920
50	100	508.910	522.844	13.934
55	186	506.702	515.405	8.703
55	187	503.994	513.210	9.216
55	188	497.285	507.257	9.972
55	189	503.312	513.815	10.503
55	190	501.772	511.695	9.923
100	101	499.872	519.371	19.499
100	102	508.142	529.408	21.266
100	103	505.483	524.872	19.389
100	104	502.254	521.113	18.859
100	105	501.778	521.417	19.639
100	106	504.963	523.243	18.280
100	107	505.427	523.450	18.023
100	108	499.802	518.251	18.449
100	109	499.534	518.007	18.473
100	110	500.230	518.155	17.925
100	111	500.231	517.760	17.529
100	112	504.387	523.969	19.582
100	113	506.761	525.153	18.392
100	114	509.687	526.639	16.952
100	115	509.218	528.471	19.253
100	116	498.573	515.678	17.105
100	117	505.097	522.748	17.651
100	118	505.164	522.838	17.674
100	119	497.673	514.904	17.231
100	120	500.107	518.080	17.973
100	121	507.694	524.522	16.828
100	123	502.971	521.469	18.498
100	124	502.881	522.904	20.023
105	191	502.856	519.478	16.622
105	192	509.016	524.969	15.953
105	193	502.424	508.227	5.803
105	194	506.709	523.198	16.489
105	195	492.617	517.599	24.982
	Max	512.916	529.408	24.982
	Average	504.015	514.065	10.049
	Min	492.617	499.761	-0.145
	Std Dev	3.971	7.677	7.355



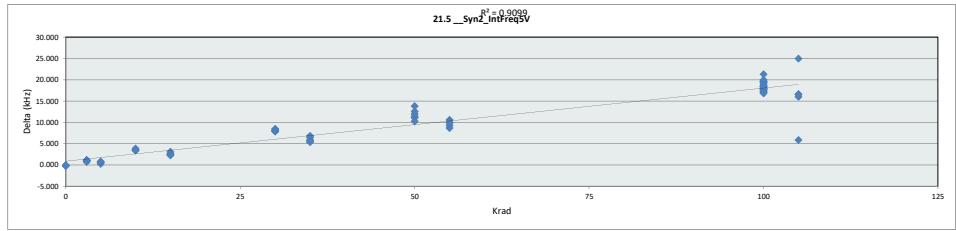
21.4_Syn1_IntFreq5V											
Test Site											
Tester											
Test Number											
Max Limit	560	kHz									
Min Limit	449	kHz									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000
Min	499.761	500.282	503.004	502.711	505.564	507.049	509.328	511.218	507.257	514.904	508.227
Average	502.031	504.283	507.578	506.821	509.579	511.398	513.065	516.283	512.276	521.844	518.694
Max	504.596	508.805	513.583	511.309	515.247	516.271	518.345	522.844	515.405	529.408	524.969
UL	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000



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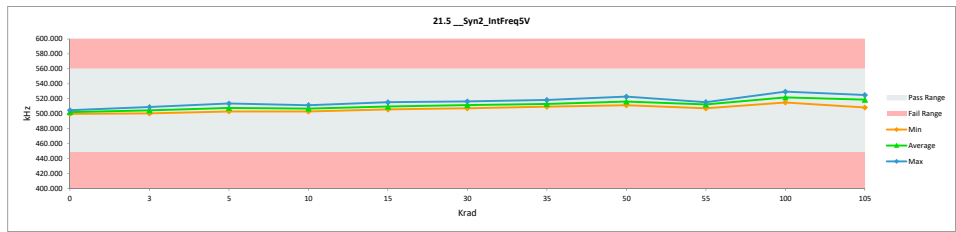
		21.5_Syn2_IntFreq5V	
Test Site			
Tester			
Test Number			
Unit	kHz	kHz	
Max Limit	560	560	
Min Limit	449	449	

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	499.937	499.712	-0.225
0	140	504.643	504.606	-0.037
0	141	500.597	500.448	-0.149
0	142	503.420	503.313	-0.107
3	1	507.825	508.784	0.959
3	2	506.554	507.679	1.125
3	3	499.224	500.310	1.086
3	4	501.565	502.744	1.179
3	5	501.217	501.942	0.725
5	6	512.927	513.596	0.669
5	7	505.020	505.719	0.699
5	8	510.337	510.603	0.266
5	9	502.476	502.989	0.513
5	10	504.238	505.074	0.836
10	11	507.825	511.331	3.506
10	12	506.554	510.429	3.875
10	13	499.224	502.799	3.575
10	14	501.565	505.004	3.439
10	15	501.217	504.642	3.425
15	16	512.927	515.295	2.368
15	17	505.020	507.433	2.413
15	18	510.337	513.038	2.701
15	19	502.476	505.587	3.111
15	20	504.238	506.521	2.283
30	89	507.825	516.318	8.493
30	90	506.554	514.807	8.253
30	91	499.224	507.069	7.845
30	92	501.565	509.565	8.000
30	93	501.217	509.327	8.110
35	132	512.927	518.302	5.375
35	133	505.020	510.914	5.894
35	135	510.337	516.788	6.451
35	136	502.476	509.309	6.833
35	137	504.238	509.871	5.633
50	94	499.822	511.218	11.396
50	95	505.849	516.920	11.071
50	96	505.515	515.746	10.231
50	97	501.183	513.765	12.582
50	99	505.321	517.277	11.956
50	100	508.946	522.752	13.806
55	186	506.725	515.401	8.676
55	187	503.966	513.249	9.283
55	188	497.338	507.244	9.906
55	189	503.265	513.856	10.591
55	190	501.768	511.696	9.928
100	101	499.863	519.372	19.509
100	102	508.167	529.435	21.268
100	103	505.469	524.848	19.379
100	104	502.232	521.067	18.835
100	105	501.788	521.404	19.616
100	106	505.001	523.259	18.258
100	107	505.458	523.372	17.914
100	108	499.776	518.233	18.457
100	109	499.567	518.001	18.434
100	110	500.215	518.173	17.958
100	111	500.256	517.744	17.488
100	112	504.401	523.978	19.577
100	113	506.761	525.162	18.401
100	114	509.680	526.675	16.995
100	115	509.247	528.477	19.230
100	116	498.551	515.667	17.116
100	117	505.122	522.782	17.660
100	118	505.205	522.865	17.660
100	119	497.693	514.961	17.268
100	120	500.111	518.018	17.907
100	121	507.725	524.516	16.791
100	123	502.940	521.464	18.524
100	124	502.949	522.896	19.947
105	191	502.870	519.491	16.621
105	192	509.019	524.998	15.979
105	193	502.369	508.218	5.849
105	194	506.745	523.255	16.510
105	195	492.617	517.573	24.956
	Max	512.927	529.435	24.956
	Average	504.031	514.067	10.036
	Min	492.617	499.712	-0.225
	Std Dev	3.974	7.675	7.357



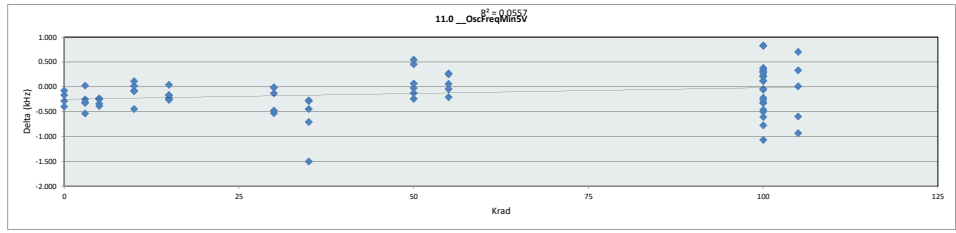
		21.5_Syn2_IntFreq5V	
Test Site			
Tester			
Test Number			
Max Limit	560	kHz	
Min Limit	449	kHz	

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000	449.000
Min	499.712	500.310	502.989	502.799	505.587	507.069	509.309	511.218	507.244	514.961	508.218
Average	502.020	504.292	507.596	506.841	509.575	511.417	513.037	516.280	512.289	521.842	518.707
Max	504.606	508.784	513.596	511.331	515.295	516.318	518.302	522.752	515.401	529.435	524.998
UL	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000	560.000

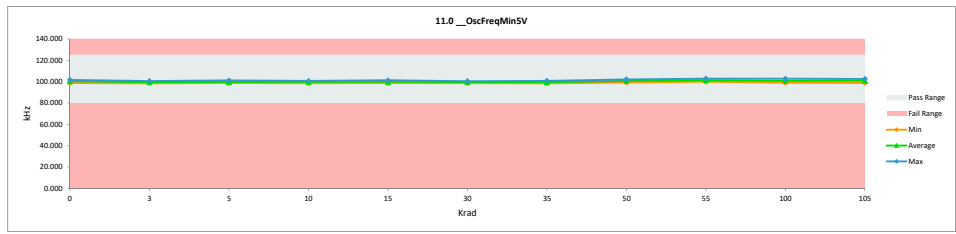


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11.0_OscFreqMin5V				
Test Site				
Tester				
Test Number				
Unit	kHz	kHz		
Max Limit	125	125		
Min Limit	80	80		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	98.878	98.711	-0.167
0	140	101.719	101.643	-0.076
0	141	100.799	100.400	-0.399
0	142	101.063	100.779	-0.284
3	1	100.734	100.409	-0.325
3	2	100.563	100.587	0.024
3	3	99.005	98.752	-0.253
3	4	99.074	98.539	-0.535
3	5	100.026	99.715	-0.311
5	6	98.998	98.763	-0.235
5	7	101.507	101.121	-0.386
5	8	99.705	99.364	-0.341
5	9	100.316	100.064	-0.252
5	10	99.987	99.747	-0.240
10	11	100.734	100.645	-0.089
10	12	100.563	100.676	0.113
10	13	99.005	99.024	0.019
10	14	99.074	98.629	-0.445
10	15	100.026	99.952	-0.074
15	16	98.998	98.735	-0.263
15	17	101.507	101.273	-0.234
15	18	99.705	99.539	-0.166
15	19	100.316	100.140	-0.176
15	20	99.987	100.026	0.039
30	89	100.734	100.203	-0.531
30	90	100.563	100.433	-0.130
30	91	99.005	98.992	-0.013
30	92	99.074	98.596	-0.478
30	93	100.026	100.015	-0.011
35	132	98.998	98.551	-0.447
35	133	101.507	100.800	-0.707
35	135	99.705	99.434	-0.271
35	136	100.316	100.031	-0.285
35	137	99.987	98.487	-1.500
50	94	102.036	101.913	-0.123
50	95	98.695	99.241	0.546
50	96	98.848	100.303	0.455
50	97	100.253	100.228	-0.025
50	99	100.464	100.228	-0.239
50	100	102.022	102.089	0.067
55	186	102.783	102.841	0.058
55	187	100.004	99.961	-0.043
55	188	102.430	102.682	0.252
55	189	99.757	100.024	0.267
55	190	101.278	101.070	-0.208
100	101	101.171	101.474	0.303
100	102	101.507	100.732	-0.775
100	103	100.001	100.216	0.215
100	104	100.860	100.639	-0.221
100	105	101.419	102.250	0.831
100	106	100.033	100.346	0.313
100	107	100.847	100.537	-0.310
100	108	100.121	100.503	0.382
100	109	102.598	102.804	0.206
100	110	100.318	99.711	-0.607
100	111	99.818	99.492	-0.326
100	112	101.454	101.579	0.125
100	113	100.625	100.847	0.222
100	114	99.778	100.134	0.356
100	115	99.625	99.126	-0.499
100	116	101.577	100.511	-1.066
100	117	99.427	99.545	0.118
100	118	101.932	101.876	-0.056
100	119	99.708	99.990	0.282
100	120	100.024	99.980	-0.044
100	121	100.610	101.434	0.824
100	123	100.892	100.640	-0.252
100	124	101.715	101.253	-0.462
105	191	100.390	100.722	0.332
105	192	100.789	100.799	0.010
105	193	102.441	101.511	-0.930
105	194	99.424	98.827	-0.597
105	195	101.836	102.540	0.704
	Max	102.783	102.841	0.831
	Average	100.448	100.320	-0.128
	Min	98.695	98.487	-1.500
	Std Dev	1.009	1.096	0.403

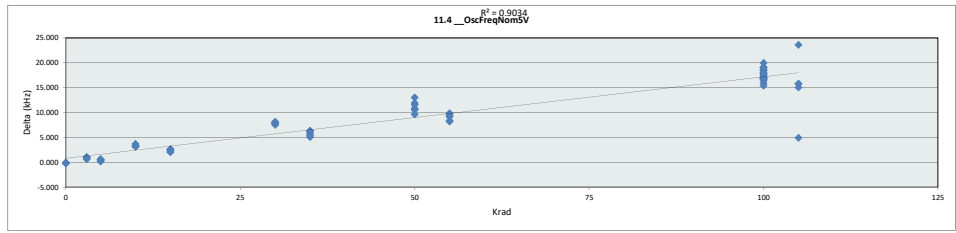


11.0_OscFreqMin5V										
Test Site										
Tester										
Test Number										
Max Limit	125	kHz								
Min Limit	80	kHz								
Krad	0	5	10	15	30	35	50	55	100	105
LL	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000	80.000
Min	98.711	98.539	98.763	98.629	98.735	98.596	98.487	99.241	99.961	99.126
Average	100.383	99.600	99.812	99.785	99.943	99.648	99.461	100.667	101.316	100.679
Max	101.643	100.587	101.121	100.676	101.273	100.433	100.800	102.089	102.841	102.804
UL	125.000	125.000	125.000	125.000	125.000	125.000	125.000	125.000	125.000	125.000

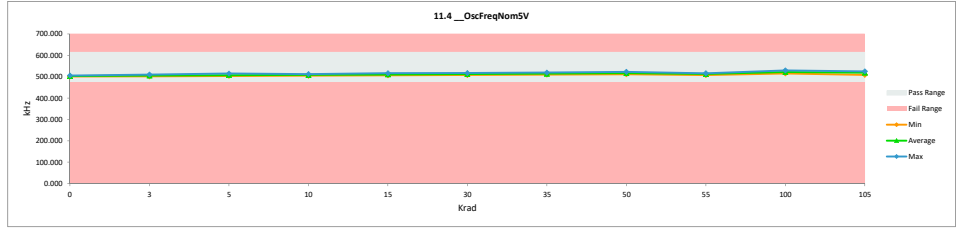


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11.4_OscFreqNom5V				
Test Site				
Tester				
Test Number				
Unit	kHz	kHz		
Max Limit	615	615		
Min Limit	475	475		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	501.229	501.048	-0.181
0	140	505.753	505.711	-0.042
0	141	501.769	501.574	-0.195
0	142	504.395	504.330	-0.065
3	1	509.028	509.932	0.904
3	2	507.695	508.747	1.052
3	3	500.463	501.446	0.983
3	4	502.672	503.733	1.061
3	5	502.531	503.175	0.644
5	6	514.323	514.820	0.497
5	7	506.026	506.592	0.566
5	8	511.449	511.613	0.164
5	9	504.001	504.420	0.419
5	10	505.634	506.307	0.673
10	11	509.028	512.300	3.272
10	12	507.695	511.396	3.701
10	13	500.463	503.788	3.325
10	14	502.672	505.874	3.202
10	15	502.531	505.684	3.153
15	16	514.323	516.410	2.087
15	17	506.026	508.422	2.396
15	18	511.449	514.088	2.639
15	19	504.001	506.664	2.663
15	20	505.634	507.693	2.059
30	89	509.028	517.177	8.149
30	90	507.695	515.787	8.092
30	91	500.463	507.994	7.531
30	92	502.672	510.455	7.783
30	93	502.531	510.485	7.954
35	132	514.323	519.405	5.082
35	133	506.026	511.879	5.853
35	135	511.449	517.793	6.344
35	136	504.001	510.284	6.283
35	137	505.634	511.074	5.440
50	94	501.084	511.645	10.561
50	95	506.677	517.530	10.853
50	96	506.460	516.128	9.668
50	97	502.494	514.422	11.928
50	99	505.969	517.568	11.599
50	100	509.977	523.013	13.036
55	186	507.579	515.789	8.210
55	187	505.005	513.387	8.382
55	188	498.753	507.920	9.167
55	189	504.539	514.395	9.856
55	190	502.814	512.331	9.517
100	101	500.859	519.901	19.042
100	102	509.459	529.434	19.975
100	103	506.376	524.992	18.616
100	104	503.433	521.501	18.068
100	105	502.870	521.404	18.534
100	106	506.124	523.126	17.002
100	107	506.606	523.406	16.800
100	108	501.062	518.543	17.481
100	109	500.668	518.230	17.562
100	110	501.414	518.534	17.120
100	111	501.429	518.166	16.737
100	112	505.439	524.563	19.124
100	113	507.377	525.302	17.925
100	114	510.745	526.629	15.884
100	115	509.960	528.466	18.506
100	116	499.525	516.198	16.673
100	117	505.877	522.792	16.915
100	118	506.235	523.082	16.847
100	119	498.938	515.367	16.429
100	120	501.446	518.265	16.819
100	121	508.878	524.302	15.424
100	123	504.189	522.021	17.832
100	124	504.300	523.369	19.069
105	191	503.767	519.527	15.760
105	192	510.174	525.220	15.046
105	193	503.607	508.536	4.929
105	194	507.958	523.765	15.807
105	195	494.142	517.750	23.608
	Max	514.323	529.434	23.608
	Average	505.189	514.721	9.531
	Min	494.142	501.048	-0.195
	Std Dev	3.932	7.329	7.035

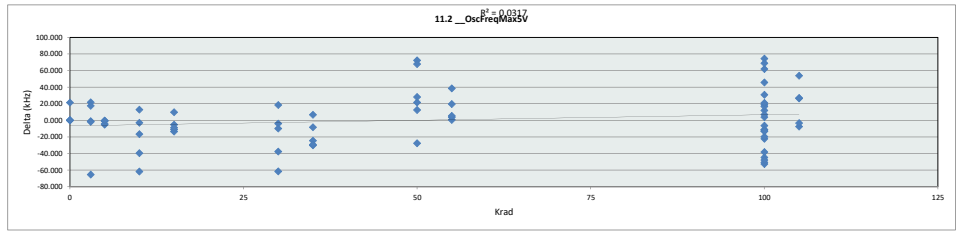


11.4_OscFreqNom5V										
Test Site										
Tester										
Test Number										
Max Limit	615	kHz								
Min Limit	475	kHz								
Krad	0	5	10	15	30	35	50	55	100	105
LL	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000	475.000
Min	501.048	501.446	504.420	503.788	506.664	507.994	510.284	511.645	507.920	515.367
Average	503.166	505.407	508.750	507.808	510.655	512.380	514.087	516.718	512.764	518.960
Max	505.711	509.932	514.820	512.300	516.410	517.177	519.405	523.013	515.789	529.434
UL	615.000	615.000	615.000	615.000	615.000	615.000	615.000	615.000	615.000	615.000

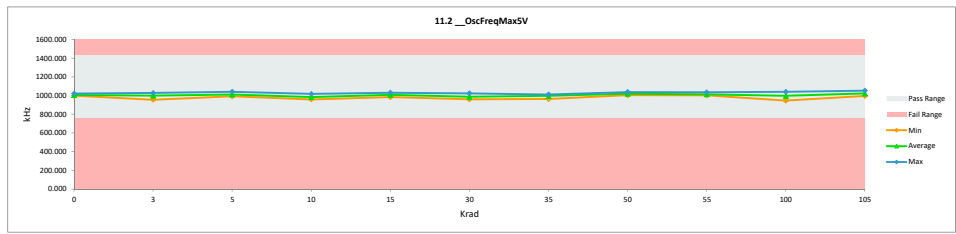


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11.2_OscFreqMaxSV				
Test Site				
Tester				
Test Number				
Unit	kHz	kHz		
Max Limit	1425	1425		
Min Limit	760	760		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	999.273	999.501	-0.228
0	140	1002.989	1002.750	-0.239
0	141	1000.064	1021.412	21.348
0	142	999.118	999.570	0.452
3	1	997.943	997.111	-0.832
3	2	1006.330	1028.125	21.795
3	3	998.210	1015.746	17.536
3	4	1020.919	955.607	-65.312
3	5	1004.897	1003.197	-1.700
5	6	1034.865	1034.062	-0.803
5	7	1041.089	1040.503	-0.586
5	8	1001.222	996.049	-5.173
5	9	1001.899	997.779	-4.120
5	10	992.050	991.937	-0.113
10	11	997.943	995.091	-2.852
10	12	1006.330	989.882	-16.448
10	13	998.210	958.760	-39.450
10	14	1020.919	959.251	-61.668
10	15	1004.897	1017.851	12.954
15	16	1034.865	1021.396	-13.469
15	17	1041.089	1030.048	-11.041
15	18	1001.222	996.109	-5.113
15	19	1001.899	1011.805	9.906
15	20	992.050	983.194	-8.856
30	89	997.943	994.171	-3.772
30	90	1006.330	996.630	-9.700
30	91	998.210	960.728	-37.482
30	92	1020.919	959.479	-61.440
30	93	1004.897	1023.527	18.630
35	132	1034.865	1010.488	-24.377
35	133	1041.089	1011.139	-29.950
35	135	1001.222	992.938	-8.284
35	136	1001.899	1008.615	6.716
35	137	992.050	962.836	-29.214
50	94	995.079	1016.694	21.615
50	95	1031.660	1004.118	-27.542
50	96	957.724	1030.116	72.392
50	97	999.732	1028.011	28.279
50	99	992.345	1004.922	12.577
50	100	969.103	1036.926	67.823
55	186	991.975	1011.592	19.617
55	187	1002.926	1003.506	0.580
55	188	996.029	1034.557	38.528
55	189	1002.936	1006.882	3.946
55	190	1005.384	1010.779	5.395
100	101	965.534	1040.038	74.504
100	102	974.532	1005.432	30.900
100	103	1008.535	1012.505	3.970
100	104	1024.358	1013.021	-11.337
100	105	1006.958	1000.581	-6.377
100	106	990.561	945.913	-44.648
100	107	1009.178	956.494	-52.684
100	108	986.534	1005.420	18.886
100	109	1018.108	996.042	-22.066
100	110	1017.880	998.316	-19.564
100	111	993.345	955.206	-38.139
100	112	972.463	1034.304	61.841
100	113	955.820	1024.602	68.782
100	114	1010.857	960.111	-50.746
100	115	991.538	980.376	-11.162
100	116	990.296	1002.249	11.953
100	117	1014.639	1001.611	-13.028
100	118	989.630	1006.465	16.835
100	119	991.365	1012.451	21.086
100	120	1004.806	1011.812	7.006
100	121	996.277	948.493	-47.784
100	123	1004.941	992.055	-12.886
100	124	985.205	1030.924	45.719
105	191	1003.741	996.312	-7.429
105	192	989.891	1016.256	26.365
105	193	1025.551	1052.536	26.985
105	194	996.091	1049.837	53.746
105	195	1001.750	998.515	-3.235
	Max	1041.089	1052.536	74.504
	Average	1002.260	1002.784	0.524
	Min	955.820	945.913	-65.312
	Std Dev	17.516	24.707	31.019

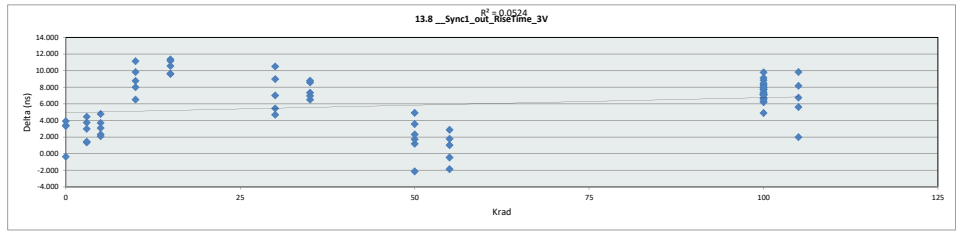


11.2_OscFreqMaxSV											
Test Site											
Tester											
Test Number											
Max Limit	1425	kHz									
Min Limit	760	kHz									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	760.000	760.000	760.000	760.000	760.000	760.000	760.000	760.000	760.000	760.000	760.000
Min	999.501	955.607	991.937	958.760	983.194	959.479	962.836	1004.118	1003.506	945.913	996.312
Average	1005.808	999.957	1012.066	984.167	1008.510	986.907	997.203	1020.131	1013.463	997.149	1022.691
Max	1021.412	1028.125	1040.503	1017.851	1030.048	1023.527	1011.139	1036.926	1034.557	1040.038	1052.536
UL	1425.000	1425.000	1425.000	1425.000	1425.000	1425.000	1425.000	1425.000	1425.000	1425.000	1425.000

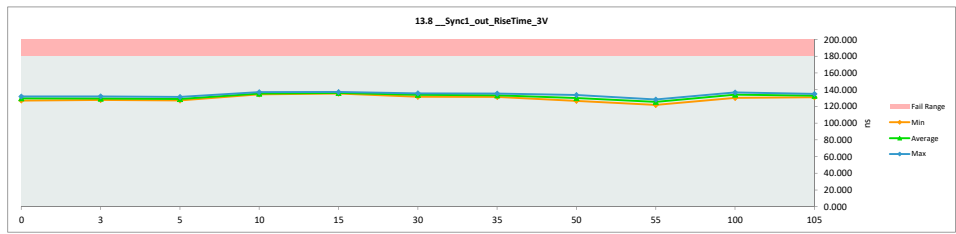


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13.8_Sync1_out_RiseTime_3V				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	128.411	131.810	3.399
0	140	127.426	127.055	-0.371
0	141	124.194	128.101	3.907
0	142	128.573	131.898	3.325
3	1	126.403	127.753	1.350
3	2	126.068	129.796	3.728
3	3	130.575	132.009	1.434
3	4	124.705	127.695	2.990
3	5	125.129	129.581	4.452
5	6	124.877	127.185	2.308
5	7	124.382	127.455	3.073
5	8	125.746	127.838	2.092
5	9	126.694	130.393	3.699
5	10	126.550	131.326	4.776
10	11	126.403	134.397	7.994
10	12	126.068	134.832	8.764
10	13	130.575	137.093	6.518
10	14	124.705	135.841	11.136
10	15	125.129	134.957	9.828
15	16	124.877	136.226	11.349
15	17	124.382	135.559	11.177
15	18	125.746	135.355	9.609
15	19	126.694	137.262	10.568
15	20	126.550	136.169	9.619
30	89	126.403	133.414	7.011
30	90	126.068	131.511	5.443
30	91	130.575	135.246	4.671
30	92	124.705	133.689	8.984
30	93	125.129	135.625	10.496
35	132	124.877	131.365	6.488
35	133	124.382	131.345	6.963
35	135	125.746	133.076	7.330
35	136	126.694	135.260	8.566
35	137	126.550	135.330	8.780
50	94	125.354	128.914	3.560
50	95	132.454	133.638	1.184
50	96	130.119	131.854	1.735
50	97	124.911	129.822	4.911
50	99	127.048	129.352	2.304
50	100	128.806	126.665	-2.141
55	186	127.014	126.543	-0.471
55	187	125.414	128.288	2.874
55	188	122.351	123.359	1.008
55	189	125.639	127.430	1.791
55	190	123.638	121.759	-1.879
100	101	126.583	134.268	7.685
100	102	125.322	130.220	4.898
100	103	127.302	136.439	9.137
100	104	126.541	136.329	9.788
100	105	128.154	135.253	7.099
100	106	129.782	136.040	6.258
100	107	124.985	133.821	8.836
100	108	129.289	136.667	7.378
100	109	126.816	133.929	7.113
100	110	127.350	135.717	8.367
100	111	127.153	135.352	8.199
100	112	127.715	134.251	6.536
100	113	126.764	133.413	6.649
100	114	129.525	135.730	6.205
100	115	127.013	134.273	7.260
100	116	124.494	132.462	7.968
100	117	127.471	135.228	7.757
100	118	124.993	132.739	7.746
100	119	124.544	133.011	8.467
100	120	126.072	134.027	7.955
100	121	123.399	130.536	7.137
100	123	127.151	133.830	6.679
100	124	124.803	131.820	7.017
105	191	125.863	132.613	6.750
105	192	126.582	132.181	5.599
105	193	125.104	134.938	9.834
105	194	125.406	133.574	8.168
105	195	128.924	130.907	1.983
Max		132.454	137.262	11.349
Average		126.436	132.338	5.901
Min		122.351	121.759	-2.141
Std Dev		1.899	3.395	3.257



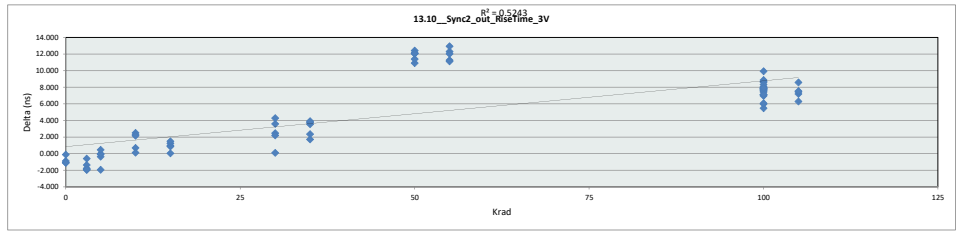
13.8_Sync1_out_RiseTime_3V											
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	127.055	127.695	127.185	134.397	135.355	131.511	131.345	126.665	121.759	130.220	130.907
Average	129.716	129.367	128.839	135.424	136.114	133.897	133.275	130.041	125.476	134.146	132.843
Max	131.898	132.009	131.326	137.093	137.262	135.625	135.330	133.638	128.288	136.667	134.938
UL	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000



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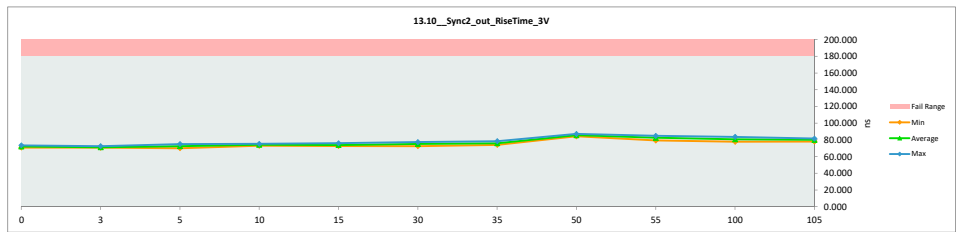
13.10_Sync2_out_RiseTime_3V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	180
Min Limit	180

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	74.526	73.438	-1.088
0	140	71.626	70.743	-0.883
0	141	71.959	71.829	-0.130
0	142	73.625	72.499	-1.126
3	1	72.591	70.616	-1.975
3	2	72.465	70.679	-1.786
3	3	72.369	70.990	-1.379
3	4	72.809	70.899	-1.910
3	5	73.062	72.455	-0.607
5	6	73.099	72.736	-0.363
5	7	72.632	72.551	-0.081
5	8	72.317	72.284	-0.033
5	9	71.915	69.964	-1.951
5	10	74.532	74.994	0.462
10	11	72.591	75.100	2.509
10	12	72.465	74.728	2.263
10	13	72.369	73.065	0.696
10	14	72.809	72.917	0.108
10	15	73.062	75.216	2.154
15	16	73.099	74.043	0.944
15	17	72.632	72.664	0.032
15	18	72.317	73.174	0.857
15	19	71.915	73.134	1.219
15	20	74.532	76.019	1.487
30	89	72.591	75.061	2.470
30	90	72.465	76.050	3.585
30	91	72.369	72.467	0.098
30	92	72.809	74.992	2.183
30	93	73.062	77.337	4.275
35	132	73.099	75.445	2.346
35	133	72.632	76.178	3.546
35	135	72.317	74.023	1.706
35	136	71.915	75.671	3.756
35	137	74.532	78.437	3.905
50	94	74.733	87.133	12.400
50	95	74.492	86.608	12.116
50	96	73.502	84.405	10.903
50	97	72.178	84.212	12.034
50	99	73.004	84.384	11.380
50	100	74.749	86.819	12.070
55	186	71.505	82.758	11.253
55	187	72.563	84.854	12.291
55	188	68.430	81.367	12.937
55	189	73.089	84.216	11.127
55	190	67.218	79.237	12.019
100	101	74.604	81.550	6.946
100	102	71.806	80.423	8.617
100	103	73.571	81.255	7.684
100	104	74.159	81.738	7.579
100	105	73.553	81.600	8.047
100	106	72.641	81.313	8.672
100	107	74.023	81.107	7.084
100	108	73.411	81.201	7.790
100	109	72.143	79.919	7.776
100	110	75.693	83.558	7.865
100	111	72.791	81.662	8.871
100	112	72.118	79.924	7.806
100	113	74.402	81.813	7.411
100	114	75.681	83.231	7.550
100	115	73.961	81.027	7.066
100	116	72.926	78.888	5.962
100	117	73.885	81.020	7.135
100	118	71.270	79.217	7.947
100	119	72.650	78.118	5.468
100	120	71.728	77.798	6.070
100	121	71.735	80.059	8.324
100	123	71.873	81.798	9.925
100	124	70.430	78.344	7.914
105	191	70.769	77.946	7.177
105	192	74.529	80.814	6.285
105	193	71.660	79.089	7.429
105	194	74.060	81.600	7.540
105	195	72.435	81.010	8.575
	Max	75.693	87.133	12.937
	Average	72.809	77.882	5.073
	Min	67.218	69.964	-1.975
	Std Dev	1.374	4.605	4.481



13.10_Sync2_out_RiseTime	
Test Site	
Tester	
Test Number	
Max Limit	180
Min Limit	ns

Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	70.743	70.616	69.964	72.917	72.664	72.467	74.023	84.212	79.237	77.798	77.946
Average	72.127	71.128	72.506	74.205	73.807	75.181	75.951	85.594	82.486	80.720	80.092
Max	73.438	72.455	74.994	75.216	76.019	77.337	78.437	87.133	84.854	83.558	81.600
UL	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000

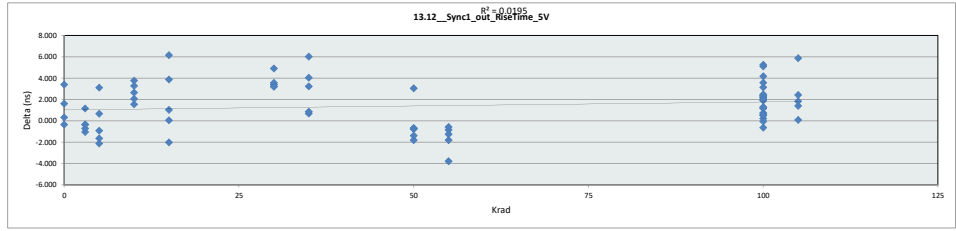




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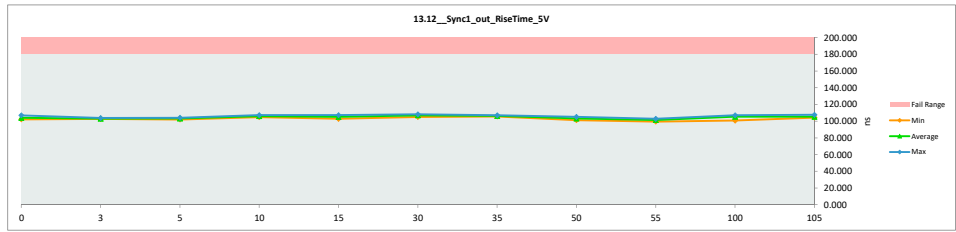
13.12_Sync1_out_RiseTime_5V			
Test Site			
Tester			
Test Number			
Unit	ns	ns	
Max Limit	180	180	
Min Limit			

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	104.174	104.492	0.318
0	140	98.866	102.254	3.388
0	141	102.521	102.157	-0.364
0	142	105.377	106.987	1.610
3	1	101.835	102.995	1.160
3	2	103.955	102.900	-1.055
3	3	103.276	102.910	-0.366
3	4	103.350	102.626	-0.724
3	5	104.110	103.773	-0.337
5	6	104.898	103.254	-1.644
5	7	102.373	103.028	0.655
5	8	102.863	101.936	-0.927
5	9	100.397	103.505	3.108
5	10	106.239	104.107	-2.132
10	11	101.835	105.592	3.757
10	12	103.955	107.219	3.264
10	13	103.276	104.822	1.546
10	14	103.350	105.400	2.050
10	15	104.110	106.745	2.635
15	16	104.898	102.870	-2.028
15	17	102.373	106.246	3.873
15	18	102.863	102.907	0.044
15	19	100.397	106.541	6.144
15	20	106.239	107.256	1.017
30	89	101.835	105.060	3.225
30	90	103.955	107.346	3.391
30	91	103.276	108.178	4.902
30	92	103.350	106.908	3.558
30	93	104.110	107.310	3.200
35	132	104.898	105.577	0.679
35	133	102.373	105.592	3.219
35	135	102.863	106.896	4.033
35	136	100.397	106.415	6.018
35	137	106.239	107.090	0.851
50	94	100.458	103.497	3.039
50	95	105.878	105.182	-0.696
50	96	104.661	103.958	-0.703
50	97	104.402	102.586	-1.816
50	99	103.353	102.578	-0.775
50	100	102.646	101.248	-1.398
55	186	103.708	102.857	-0.851
55	187	104.115	102.297	-1.818
55	188	102.654	101.389	-1.265
55	189	103.260	99.462	-3.798
55	190	101.378	100.801	-0.577
100	101	104.206	106.246	2.040
100	102	102.859	103.062	0.203
100	103	105.005	106.932	1.927
100	104	103.575	104.071	0.496
100	105	104.650	106.997	2.347
100	106	104.023	104.759	0.736
100	107	99.485	104.729	5.244
100	108	105.355	106.018	0.663
100	109	104.165	106.415	2.250
100	110	104.989	104.343	-0.646
100	111	106.870	106.807	-0.063
100	112	104.608	105.783	1.175
100	113	99.421	100.704	1.283
100	114	105.009	106.221	1.212
100	115	103.639	105.995	2.356
100	116	102.678	104.834	2.156
100	117	104.998	106.924	1.926
100	118	104.351	104.884	0.533
100	119	102.318	104.786	2.468
100	120	100.503	105.598	5.095
100	121	100.022	104.196	4.174
100	123	102.665	106.235	3.570
100	124	102.613	105.744	3.131
105	191	102.840	104.242	1.402
105	192	103.277	105.106	1.829
105	193	101.751	107.610	5.859
105	194	102.201	104.612	2.411
105	195	104.972	105.052	0.080
	Max	106.870	108.178	6.144
	Average	103.293	104.708	1.415
	Min	98.866	99.462	-3.798
	Std Dev	1.719	1.950	2.170



13.12_Sync1_out_RiseTime			
Test Site			
Tester			
Test Number			
Max Limit	180	ns	
Min Limit		ns	

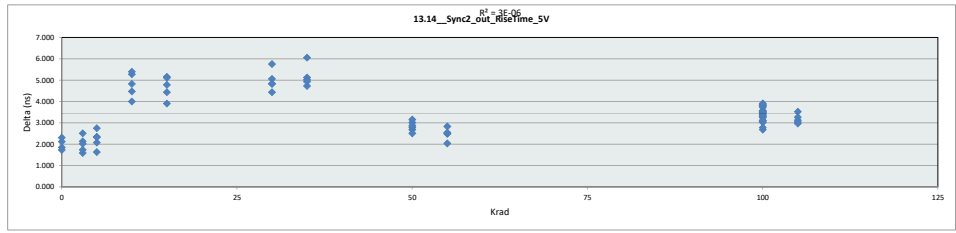
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	102.157	102.626	101.936	104.822	102.870	105.060	105.577	101.248	99.462	100.704	104.242
Average	103.973	103.041	103.166	105.956	105.164	106.960	106.314	103.175	101.361	105.317	105.324
Max	106.987	103.773	104.107	107.219	107.256	108.178	107.090	105.182	102.857	106.997	107.610
UL	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000



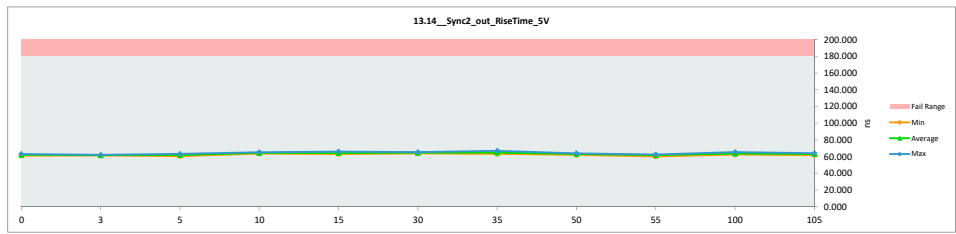
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13.14_Sync2_out_RiseTime_5			
Test Site			
Tester			
Test Number			
Unit	ns	ns	
Max Limit	180	180	
Min Limit			

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	60.419	62.722	2.303
0	140	59.377	61.222	1.845
0	141	59.733	61.457	1.724
0	142	60.989	63.106	2.117
3	1	59.871	61.456	1.585
3	2	60.353	62.086	1.733
3	3	58.815	61.322	2.507
3	4	59.977	62.109	2.132
3	5	59.544	61.562	2.018
5	6	60.125	61.756	1.631
5	7	59.638	62.385	2.747
5	8	59.165	61.233	2.068
5	9	58.281	60.618	2.337
5	10	60.917	63.246	2.329
10	11	59.871	63.867	3.996
10	12	60.353	64.824	4.471
10	13	58.815	63.638	4.823
10	14	59.977	65.249	5.272
10	15	59.544	64.933	5.389
15	16	60.125	64.026	3.901
15	17	59.638	64.790	5.152
15	18	59.165	63.600	4.435
15	19	58.281	63.056	4.775
15	20	60.917	66.027	5.110
30	89	59.871	64.301	4.430
30	90	60.353	65.175	4.822
30	91	58.815	63.870	5.055
30	92	59.977	64.814	4.837
30	93	59.544	65.298	5.754
35	132	60.125	64.851	4.726
35	133	59.638	64.759	5.121
35	135	59.165	64.184	5.019
35	136	58.281	63.209	4.928
35	137	60.917	66.972	6.055
50	94	60.901	63.908	3.007
50	95	60.817	63.492	2.675
50	96	59.391	62.542	3.151
50	97	59.248	62.029	2.781
50	99	59.932	62.439	2.507
50	100	60.607	63.469	2.862
55	186	59.144	61.624	2.480
55	187	59.990	62.502	2.512
55	188	59.052	61.879	2.827
55	189	60.326	62.359	2.033
55	190	57.581	60.115	2.534
100	101	61.117	64.140	3.023
100	102	59.999	63.112	3.113
100	103	60.015	63.556	3.541
100	104	61.096	63.774	2.678
100	105	61.375	64.814	3.439
100	106	60.394	63.742	3.348
100	107	59.339	63.069	3.730
100	108	60.487	64.300	3.813
100	109	59.745	63.320	3.575
100	110	61.164	65.029	3.865
100	111	60.183	63.998	3.815
100	112	59.318	63.096	3.778
100	113	61.361	64.655	3.294
100	114	61.848	65.366	3.518
100	115	60.483	63.732	3.249
100	116	59.655	63.565	3.910
100	117	60.555	63.934	3.379
100	118	59.425	62.464	3.039
100	119	59.660	62.437	2.777
100	120	58.975	62.460	3.485
100	121	59.476	62.961	3.485
100	123	60.530	63.809	3.279
100	124	59.876	62.981	3.105
105	191	58.640	61.680	3.040
105	192	60.960	64.083	3.123
105	193	59.945	63.206	3.261
105	194	60.218	63.182	2.964
105	195	59.995	63.510	3.515
Max		61.848	66.972	6.055
Average		59.910	63.343	3.434
Min		57.581	60.115	1.585
Std Dev		0.821	1.323	1.094

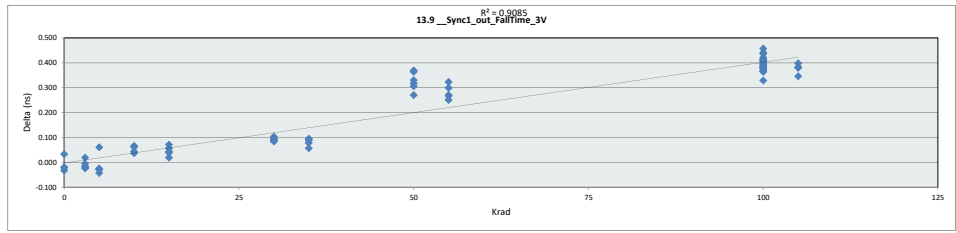


13.14_Sync2_out_RiseTime												
Test Site												
Tester												
Test Number												
Max Limit	180	ns										
Min Limit		ns										
	Krad	0	3	5	10	15	30	35	50	55	100	105
LL												
Min		61.222	61.322	60.618	63.638	63.056	63.870	63.209	62.029	60.115	62.437	61.680
Average		62.127	61.707	61.848	64.502	64.300	64.692	64.795	62.980	61.696	63.666	63.132
Max		63.106	62.109	63.246	65.249	66.027	65.298	66.972	63.908	62.502	65.366	64.083
UL		180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000	180.000

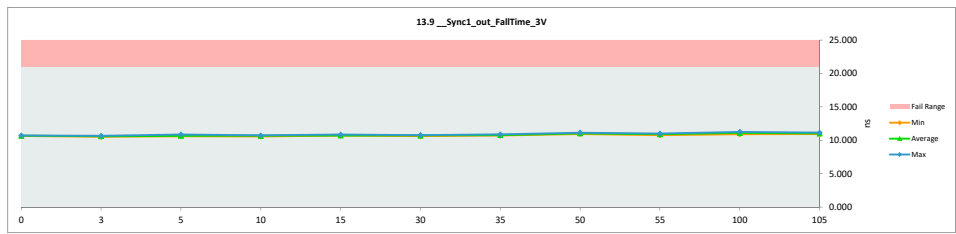


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13.9_Sync1_out_FallTime_3V				
Test Site				
Tester				
Test Number				
Unit	ns	ns		
Max Limit	21	21		
Min Limit				
Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	10.709	10.687	-0.022
0	140	10.695	10.728	0.033
0	141	10.739	10.706	-0.033
0	142	10.680	10.661	-0.019
3	1	10.640	10.621	-0.019
3	2	10.605	10.600	-0.005
3	3	10.520	10.539	0.019
3	4	10.671	10.647	-0.024
3	5	10.697	10.681	-0.016
5	6	10.678	10.653	-0.025
5	7	10.627	10.600	-0.027
5	8	10.715	10.686	-0.029
5	9	10.815	10.876	0.061
5	10	10.680	10.637	-0.043
10	11	10.640	10.704	0.064
10	12	10.605	10.642	0.037
10	13	10.520	10.586	0.066
10	14	10.671	10.733	0.062
10	15	10.697	10.742	0.045
15	16	10.678	10.716	0.038
15	17	10.627	10.698	0.071
15	18	10.715	10.772	0.057
15	19	10.815	10.859	0.044
15	20	10.680	10.699	0.019
30	89	10.640	10.730	0.090
30	90	10.605	10.696	0.091
30	91	10.520	10.623	0.103
30	92	10.671	10.767	0.096
30	93	10.697	10.781	0.084
35	132	10.678	10.773	0.095
35	133	10.627	10.716	0.089
35	135	10.715	10.809	0.094
35	136	10.815	10.893	0.078
35	137	10.680	10.737	0.057
50	94	10.590	10.954	0.364
50	95	10.733	11.063	0.330
50	96	10.678	10.996	0.318
50	97	10.720	11.089	0.369
50	99	10.871	11.141	0.270
50	100	10.738	11.044	0.306
55	186	10.689	11.012	0.323
55	187	10.709	11.008	0.299
55	188	10.584	10.854	0.270
55	189	10.635	10.902	0.267
55	190	10.519	10.770	0.251
100	101	10.661	11.097	0.436
100	102	10.701	11.080	0.379
100	103	10.679	11.058	0.379
100	104	10.802	11.259	0.457
100	105	10.702	11.068	0.366
100	106	10.722	11.163	0.441
100	107	10.669	11.076	0.407
100	108	10.594	10.992	0.398
100	109	10.652	11.043	0.391
100	110	10.845	11.216	0.371
100	111	10.676	11.067	0.391
100	112	10.813	11.226	0.413
100	113	10.857	11.223	0.366
100	114	10.793	11.191	0.398
100	115	10.762	11.143	0.381
100	116	10.531	10.917	0.386
100	117	10.715	11.123	0.408
100	118	10.761	11.090	0.329
100	119	10.667	11.031	0.364
100	120	10.634	11.048	0.414
100	121	10.711	11.093	0.382
100	123	10.753	11.174	0.421
100	124	10.648	11.059	0.411
105	191	10.612	11.010	0.398
105	192	10.778	11.158	0.380
105	193	10.579	10.960	0.381
105	194	10.730	11.113	0.383
105	195	10.600	10.946	0.346
	Max	10.871	11.259	0.457
	Average	10.683	10.897	0.213
	Min	10.519	10.539	-0.043
	Std Dev	0.080	0.203	0.173

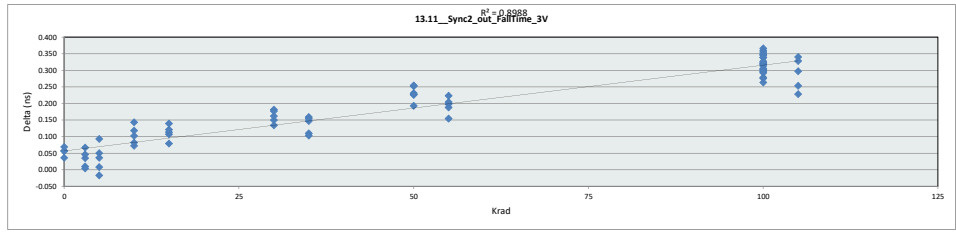


13.9_Sync1_out_FallTime_3											
Test Site											
Tester											
Test Number											
Max Limit	21	ns									
Min Limit		ns									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	10.661	10.539	10.600	10.586	10.698	10.623	10.716	10.954	10.770	10.917	10.946
Average	10.696	10.618	10.690	10.681	10.749	10.719	10.786	11.048	10.909	11.106	11.037
Max	10.728	10.681	10.876	10.742	10.859	10.781	10.893	11.141	11.012	11.259	11.158
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000

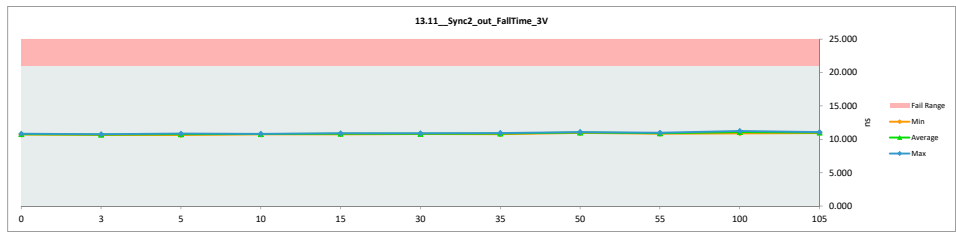


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13.11_Sync2_out_FallTime_3V				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	10.668	10.704	0.036
0	140	10.766	10.823	0.057
0	141	10.770	10.826	0.056
0	142	10.661	10.730	0.069
3	1	10.708	10.743	0.035
3	2	10.749	10.759	0.010
3	3	10.606	10.652	0.046
3	4	10.624	10.691	0.067
3	5	10.692	10.696	0.004
5	6	10.642	10.650	0.008
5	7	10.732	10.715	-0.017
5	8	10.784	10.834	0.050
5	9	10.766	10.859	0.093
5	10	10.724	10.760	0.036
10	11	10.708	10.810	0.102
10	12	10.749	10.821	0.072
10	13	10.606	10.749	0.143
10	14	10.624	10.742	0.118
10	15	10.692	10.774	0.082
15	16	10.642	10.749	0.107
15	17	10.732	10.811	0.079
15	18	10.784	10.897	0.113
15	19	10.766	10.887	0.121
15	20	10.724	10.863	0.139
30	89	10.708	10.889	0.181
30	90	10.749	10.899	0.150
30	91	10.606	10.783	0.177
30	92	10.624	10.786	0.162
30	93	10.692	10.826	0.134
35	132	10.642	10.752	0.110
35	133	10.732	10.835	0.103
35	135	10.784	10.943	0.159
35	136	10.766	10.913	0.147
35	137	10.724	10.878	0.154
50	94	10.717	10.969	0.252
50	95	10.726	10.952	0.226
50	96	10.771	11.025	0.254
50	97	10.847	11.078	0.231
50	99	10.867	11.060	0.193
50	100	10.810	11.037	0.227
55	186	10.696	10.919	0.223
55	187	10.814	10.968	0.154
55	188	10.644	10.832	0.188
55	189	10.719	10.917	0.198
55	190	10.690	10.894	0.204
100	101	10.741	11.090	0.349
100	102	10.784	11.102	0.318
100	103	10.801	11.146	0.345
100	104	10.744	11.049	0.305
100	105	10.780	11.118	0.338
100	106	10.781	11.140	0.359
100	107	10.872	11.238	0.366
100	108	10.644	10.963	0.319
100	109	10.696	11.015	0.319
100	110	10.782	11.137	0.355
100	111	10.689	10.990	0.301
100	112	10.890	11.203	0.313
100	113	10.926	11.223	0.297
100	114	10.771	11.095	0.324
100	115	10.855	11.133	0.278
100	116	10.649	10.996	0.347
100	117	10.821	11.160	0.339
100	118	10.781	11.057	0.276
100	119	10.612	10.904	0.292
100	120	10.585	10.888	0.303
100	121	10.771	11.066	0.295
100	123	10.878	11.205	0.327
100	124	10.694	10.957	0.263
105	191	10.708	10.936	0.228
105	192	10.768	11.065	0.297
105	193	10.726	10.979	0.253
105	194	10.720	11.060	0.340
105	195	10.692	11.020	0.328
	Max	10.926	11.238	0.366
	Average	10.732	10.927	0.195
	Min	10.585	10.650	-0.017
	Std Dev	0.075	0.152	0.112



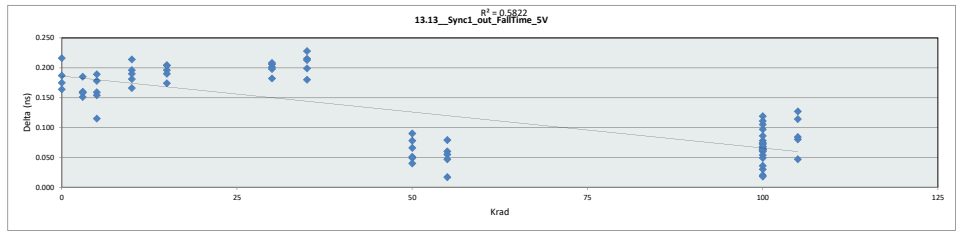
13.11_Sync2_out_FallTime_3V											
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	10.704	10.652	10.650	10.742	10.749	10.783	10.752	10.952	10.832	10.888	10.936
Min	10.771	10.708	10.764	10.779	10.841	10.837	10.864	11.020	10.906	11.082	11.012
Average	10.826	10.759	10.859	10.821	10.897	10.899	10.943	11.078	10.968	11.238	11.065
Max	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000



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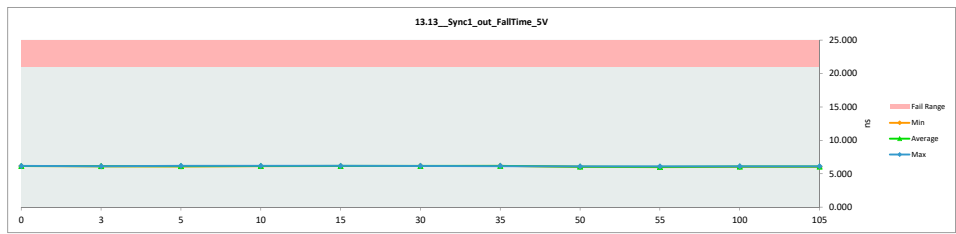
13.13_Sync1_out_FallTime_5V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	21
Min Limit	21

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	5.966	6.182	0.216
0	140	5.986	6.173	0.187
0	141	5.994	6.158	0.164
0	142	5.993	6.168	0.175
3	1	5.973	6.133	0.160
3	2	5.963	6.148	0.185
3	3	5.973	6.124	0.151
3	4	5.989	6.147	0.158
3	5	5.987	6.146	0.159
5	6	5.975	6.090	0.115
5	7	5.956	6.115	0.159
5	8	5.980	6.134	0.154
5	9	6.014	6.192	0.178
5	10	5.975	6.164	0.189
10	11	5.973	6.169	0.196
10	12	5.963	6.129	0.166
10	13	5.973	6.187	0.214
10	14	5.989	6.179	0.190
10	15	5.987	6.168	0.181
15	16	5.975	6.179	0.204
15	17	5.956	6.152	0.196
15	18	5.980	6.184	0.204
15	19	6.014	6.188	0.174
15	20	5.975	6.165	0.190
30	89	5.973	6.179	0.206
30	90	5.963	6.171	0.208
30	91	5.973	6.171	0.198
30	92	5.989	6.171	0.182
30	93	5.987	6.188	0.201
35	132	5.975	6.190	0.215
35	133	5.956	6.184	0.228
35	135	5.980	6.193	0.213
35	136	6.014	6.194	0.180
35	137	5.975	6.174	0.199
50	94	5.997	6.037	0.040
50	95	6.011	6.062	0.051
50	96	6.011	6.089	0.078
50	97	6.008	6.057	0.049
50	99	6.024	6.090	0.066
50	100	5.982	6.072	0.090
55	186	6.032	6.092	0.060
55	187	6.001	6.056	0.055
55	188	5.938	6.017	0.079
55	189	5.990	6.037	0.047
55	190	5.986	6.003	0.017
100	101	6.012	6.080	0.068
100	102	5.994	6.054	0.060
100	103	6.003	6.066	0.063
100	104	6.017	6.103	0.086
100	105	6.017	6.071	0.054
100	106	6.031	6.094	0.063
100	107	5.988	6.066	0.078
100	108	5.957	6.076	0.119
100	109	5.995	6.069	0.074
100	110	6.088	6.118	0.030
100	111	6.043	6.063	0.020
100	112	6.047	6.119	0.072
100	113	6.041	6.106	0.065
100	114	6.011	6.108	0.097
100	115	5.993	6.098	0.105
100	116	5.974	6.035	0.061
100	117	6.057	6.075	0.018
100	118	5.992	6.066	0.074
100	119	6.010	6.073	0.063
100	120	6.017	6.053	0.036
100	121	6.040	6.089	0.049
100	123	6.002	6.113	0.111
100	124	5.976	6.044	0.068
105	191	5.985	6.069	0.084
105	192	5.990	6.117	0.127
105	193	5.992	6.039	0.047
105	194	5.988	6.102	0.114
105	195	5.982	6.062	0.080
	Max	6.088	6.194	0.228
	Average	5.993	6.115	0.122
	Min	5.938	6.003	0.017
	Std Dev	0.026	0.053	0.064



13.13_Sync1_out_FallTime_5V	
Test Site	
Tester	
Test Number	
Max Limit	21
Min Limit	ns

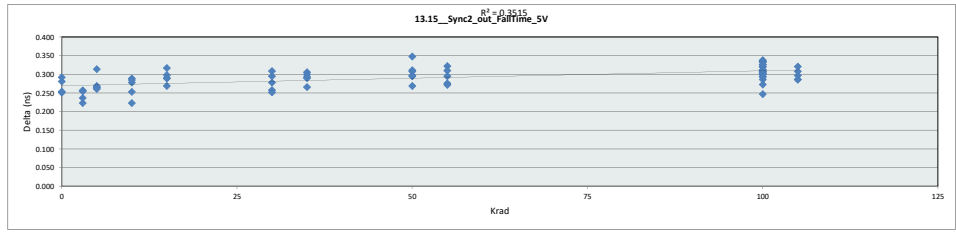
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	6.158	6.124	6.090	6.129	6.152	6.171	6.174	6.037	6.003	6.035	6.039
Average	6.170	6.140	6.139	6.166	6.174	6.176	6.187	6.068	6.041	6.080	6.078
Max	6.182	6.148	6.192	6.187	6.188	6.188	6.194	6.090	6.092	6.119	6.117
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000



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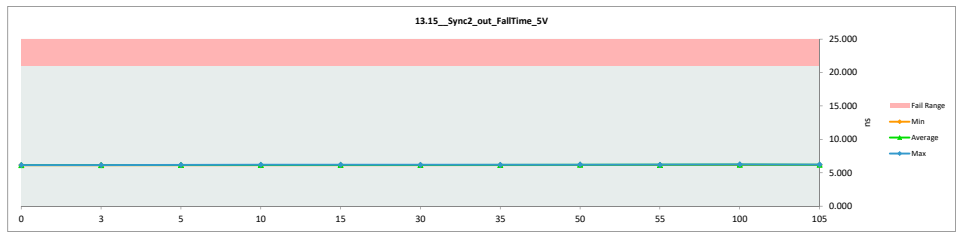
13.15_Sync2_out_FallTime_5V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	21
Min Limit	21

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	5.842	6.123	0.281
0	140	5.862	6.154	0.292
0	141	5.884	6.135	0.251
0	142	5.875	6.129	0.254
3	1	5.906	6.129	0.223
3	2	5.911	6.148	0.237
3	3	5.879	6.134	0.255
3	4	5.863	6.120	0.257
3	5	5.874	6.130	0.256
5	6	5.870	6.136	0.266
5	7	5.859	6.173	0.314
5	8	5.880	6.149	0.269
5	9	5.882	6.146	0.264
5	10	5.887	6.148	0.261
10	11	5.906	6.195	0.289
10	12	5.911	6.164	0.253
10	13	5.879	6.102	0.223
10	14	5.863	6.141	0.278
10	15	5.874	6.159	0.285
15	16	5.870	6.139	0.269
15	17	5.859	6.157	0.298
15	18	5.880	6.197	0.317
15	19	5.882	6.172	0.290
15	20	5.887	6.176	0.289
30	89	5.906	6.164	0.258
30	90	5.911	6.189	0.278
30	91	5.879	6.131	0.252
30	92	5.863	6.158	0.295
30	93	5.874	6.183	0.309
35	132	5.870	6.136	0.266
35	133	5.859	6.165	0.306
35	135	5.880	6.180	0.300
35	136	5.882	6.175	0.293
35	137	5.887	6.177	0.290
50	94	5.894	6.163	0.269
50	95	5.865	6.173	0.308
50	96	5.917	6.212	0.295
50	97	5.893	6.204	0.311
50	99	5.890	6.187	0.297
50	100	5.875	6.223	0.348
55	186	5.847	6.169	0.322
55	187	5.877	6.187	0.310
55	188	5.870	6.146	0.276
55	189	5.883	6.155	0.272
55	190	5.871	6.166	0.295
100	101	5.926	6.173	0.247
100	102	5.939	6.225	0.286
100	103	5.896	6.203	0.307
100	104	5.876	6.214	0.338
100	105	5.902	6.209	0.307
100	106	5.896	6.201	0.305
100	107	5.917	6.212	0.295
100	108	5.873	6.174	0.301
100	109	5.859	6.195	0.336
100	110	5.903	6.204	0.301
100	111	5.878	6.198	0.320
100	112	5.918	6.230	0.312
100	113	5.913	6.246	0.333
100	114	5.907	6.215	0.308
100	115	5.885	6.206	0.321
100	116	5.881	6.182	0.301
100	117	5.927	6.239	0.312
100	118	5.912	6.185	0.273
100	119	5.880	6.213	0.333
100	120	5.840	6.166	0.326
100	121	5.904	6.197	0.293
100	123	5.880	6.214	0.334
100	124	5.903	6.229	0.326
105	191	5.886	6.172	0.286
105	192	5.930	6.227	0.297
105	193	5.879	6.165	0.286
105	194	5.886	6.207	0.321
105	195	5.879	6.187	0.308
	Max	5.939	6.246	0.348
	Average	5.886	6.177	0.291
	Min	5.840	6.102	0.223
	Std Dev	0.021	0.032	0.028



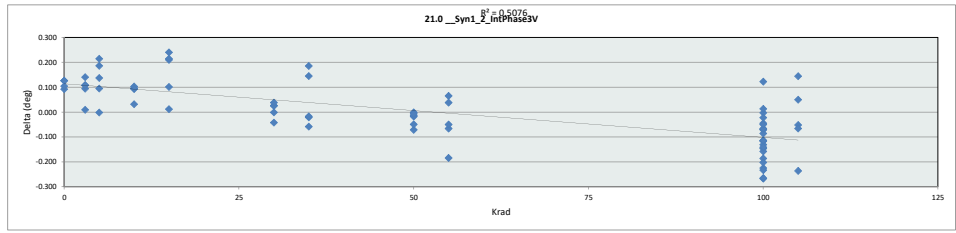
13.15_Sync2_out_FallTime_5V	
Test Site	
Tester	
Test Number	
Max Limit	21
Min Limit	ns

Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	6.123	6.120	6.136	6.102	6.139	6.131	6.136	6.163	6.146	6.166	6.165
Average	6.135	6.132	6.150	6.152	6.168	6.165	6.167	6.194	6.165	6.206	6.192
Max	6.154	6.148	6.173	6.195	6.197	6.189	6.180	6.223	6.187	6.246	6.227
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000

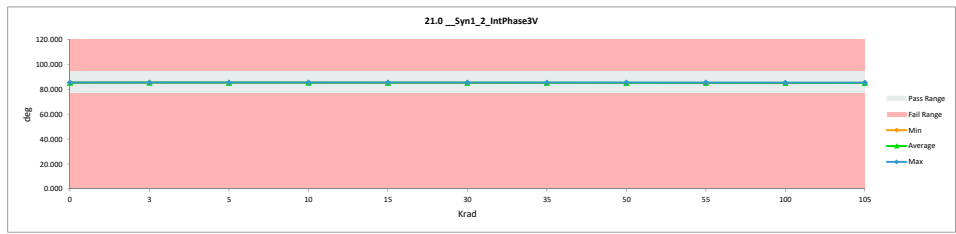


LDR TID Report  
POLARIS - TPS7H4001-SP

21.0_Syn1_2_IntPhase3V				
Test Site				
Tester				
Test Number				
Unit	deg	deg		
Max Limit	94	94		
Min Limit	77	77		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	85.323	85.415	0.092
0	140	85.113	85.239	0.126
0	141	85.199	85.303	0.104
0	142	85.137	85.263	0.126
3	1	85.189	85.283	0.094
3	2	85.312	85.420	0.108
3	3	85.114	85.254	0.140
3	4	85.336	85.444	0.108
3	5	85.338	85.347	0.009
5	6	85.281	85.279	-0.002
5	7	85.266	85.361	0.095
5	8	85.085	85.222	0.137
5	9	84.966	85.180	0.214
5	10	85.210	85.396	0.186
10	11	85.189	85.284	0.095
10	12	85.312	85.408	0.096
10	13	85.114	85.217	0.103
10	14	85.336	85.429	0.093
10	15	85.338	85.370	0.032
15	16	85.281	85.293	0.012
15	17	85.266	85.367	0.101
15	18	85.085	85.295	0.210
15	19	84.966	85.206	0.240
15	20	85.210	85.424	0.214
30	89	85.189	85.215	0.026
30	90	85.312	85.337	0.025
30	91	85.114	85.152	0.038
30	92	85.336	85.335	-0.001
30	93	85.338	85.296	-0.042
35	132	85.281	85.260	-0.021
35	133	85.266	85.208	-0.058
35	135	85.085	85.270	0.185
35	136	84.966	85.111	0.145
35	137	85.210	85.193	-0.017
50	94	85.360	85.342	-0.018
50	95	85.079	85.077	-0.001
50	96	85.067	85.053	-0.014
50	97	85.208	85.201	-0.007
50	99	85.280	85.209	-0.071
50	100	85.302	85.253	-0.049
55	186	85.088	84.904	-0.184
55	187	85.284	85.218	-0.066
55	188	85.311	85.376	0.065
55	189	85.288	85.238	-0.050
55	190	85.307	85.345	0.038
100	101	85.356	85.210	-0.146
100	102	85.166	85.163	-0.003
100	103	85.169	84.983	-0.186
100	104	85.246	85.129	-0.117
100	105	85.163	84.938	-0.225
100	106	85.047	84.933	-0.114
100	107	84.996	84.865	-0.131
100	108	85.170	84.968	-0.202
100	109	85.276	85.162	-0.114
100	110	85.301	85.068	-0.233
100	111	85.118	85.047	-0.071
100	112	85.246	85.201	-0.045
100	113	85.263	85.276	0.013
100	114	85.181	85.112	-0.069
100	115	85.187	85.029	-0.158
100	116	85.309	85.287	-0.022
100	117	85.243	84.976	-0.267
100	118	85.227	85.141	-0.086
100	119	85.295	85.229	-0.066
100	120	85.115	85.237	0.122
100	121	85.275	85.225	-0.050
100	123	85.287	85.146	-0.141
100	124	85.261	84.996	-0.265
105	191	85.118	85.262	0.144
105	192	85.242	85.190	-0.052
105	193	85.225	85.159	-0.066
105	194	85.321	85.085	-0.236
105	195	85.205	85.255	0.050
Max		85.360	85.444	0.240
Average		85.214	85.213	-0.001
Min		84.966	84.865	-0.267
Std Dev		0.102	0.136	0.123

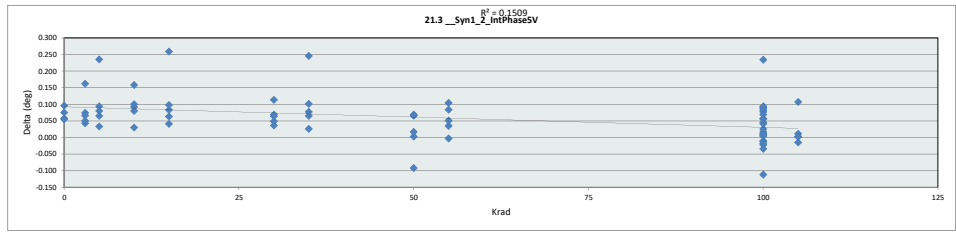


21.0_Syn1_2_IntPhase3V											
Test Site											
Tester											
Test Number											
Max Limit	94	deg									
Min Limit	77	deg									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	85.239	85.254	85.180	85.217	85.206	85.152	85.111	85.053	84.904	84.865	85.085
Average	85.305	85.350	85.288	85.342	85.317	85.267	85.208	85.189	85.216	85.101	85.190
Max	85.415	85.444	85.396	85.429	85.424	85.337	85.270	85.342	85.376	85.287	85.262
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000

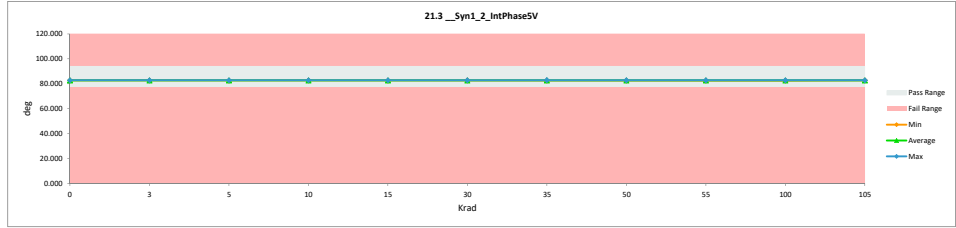


LDR TID Report  
POLARIS - TPS7H4001-SP

21.3_Syn1_2_IntPhaseSV				
Test Site				
Tester				
Test Number				
Unit	deg	deg		
Max Limit	94	94		
Min Limit	77	77		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	82.723	82.798	0.075
0	140	82.637	82.695	0.058
0	141	82.679	82.775	0.096
0	142	82.643	82.698	0.055
3	1	82.678	82.752	0.074
3	2	82.687	82.753	0.066
3	3	82.652	82.695	0.043
3	4	82.760	82.810	0.050
3	5	82.563	82.725	0.162
5	6	82.624	82.704	0.080
5	7	82.829	82.894	0.065
5	8	82.675	82.769	0.094
5	9	82.594	82.627	0.033
5	10	82.567	82.802	0.235
10	11	82.678	82.778	0.100
10	12	82.687	82.779	0.092
10	13	82.652	82.682	0.030
10	14	82.760	82.840	0.080
10	15	82.563	82.721	0.158
15	16	82.624	82.707	0.083
15	17	82.829	82.892	0.063
15	18	82.675	82.773	0.098
15	19	82.594	82.635	0.041
15	20	82.567	82.826	0.259
30	89	82.678	82.742	0.064
30	90	82.687	82.756	0.069
30	91	82.652	82.688	0.036
30	92	82.760	82.809	0.049
30	93	82.563	82.676	0.113
35	132	82.624	82.725	0.101
35	133	82.829	82.906	0.077
35	135	82.675	82.740	0.065
35	136	82.594	82.620	0.026
35	137	82.567	82.813	0.246
50	94	82.622	82.639	0.017
50	95	82.707	82.615	-0.092
50	96	82.679	82.748	0.069
50	97	82.617	82.684	0.067
50	99	82.776	82.779	0.003
50	100	82.712	82.778	0.066
55	186	82.572	82.607	0.035
55	187	82.745	82.796	0.051
55	188	82.694	82.778	0.084
55	189	82.718	82.715	-0.003
55	190	82.676	82.780	0.104
100	101	82.740	82.728	-0.012
100	102	82.739	82.717	-0.022
100	103	82.652	82.708	0.056
100	104	82.664	82.672	0.008
100	105	82.579	82.636	0.057
100	106	82.597	82.609	0.012
100	107	82.653	82.730	0.077
100	108	82.582	82.664	0.082
100	109	82.706	82.594	-0.112
100	110	82.689	82.758	0.069
100	111	82.639	82.730	0.091
100	112	82.698	82.688	-0.010
100	113	82.647	82.881	0.234
100	114	82.670	82.757	0.087
100	115	82.645	82.662	0.017
100	116	82.772	82.776	0.004
100	117	82.550	82.516	-0.034
100	118	82.609	82.703	0.094
100	119	82.758	82.783	0.025
100	120	82.552	82.598	0.046
100	121	82.737	82.778	0.041
100	123	82.759	82.766	0.007
100	124	82.646	82.628	-0.018
105	191	82.835	82.846	0.011
105	192	82.701	82.704	0.003
105	193	82.628	82.735	0.107
105	194	82.720	82.722	0.002
105	195	82.697	82.682	-0.015
	Max	82.835	82.906	0.259
	Average	82.671	82.730	0.060
	Min	82.550	82.516	-0.112
	Std Dev	0.071	0.077	0.065



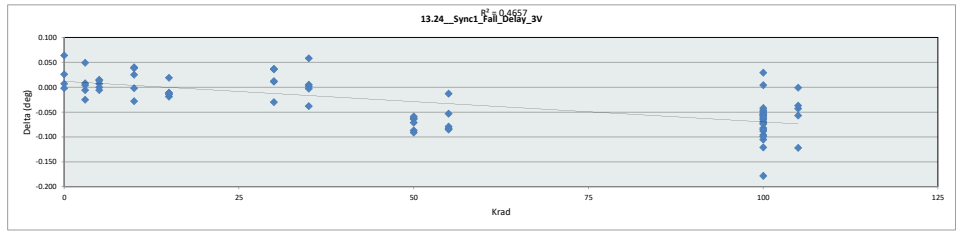
21.3_Syn1_2_IntPhaseSV											
Test Site											
Tester											
Test Number											
Max Limit	94	deg									
Min Limit	77	deg									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	82.695	82.695	82.627	82.682	82.635	82.676	82.620	82.615	82.607	82.516	82.682
Average	82.742	82.747	82.759	82.760	82.767	82.734	82.761	82.707	82.735	82.699	82.738
Max	82.798	82.810	82.894	82.840	82.892	82.809	82.906	82.779	82.796	82.881	82.846
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000



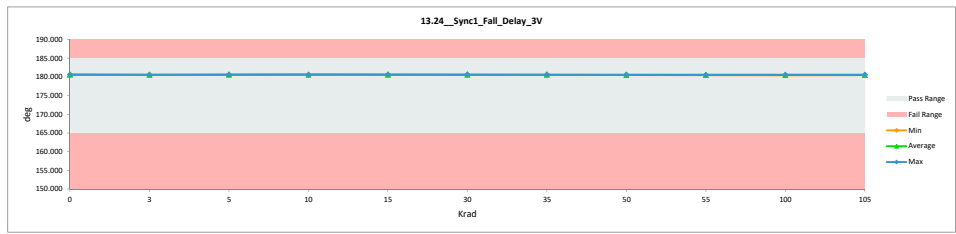


LDR TID Report  
POLARIS - TPS7H4001-SP

13.24_Sync1_Fall_Delay_3V				
Test Site				
Tester				
Test Number				
Unit	deg	deg		
Max Limit	185	185		
Min Limit	165	165		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	180.603	180.610	0.007
0	140	180.544	180.570	0.026
0	141	180.571	180.635	0.064
0	142	180.565	180.563	-0.002
3	1	180.575	180.583	0.008
3	2	180.598	180.573	-0.025
3	3	180.532	180.526	-0.006
3	4	180.617	180.621	0.004
3	5	180.557	180.606	0.049
5	6	180.591	180.606	0.015
5	7	180.578	180.585	0.007
5	8	180.602	180.602	0.000
5	9	180.641	180.635	-0.006
5	10	180.567	180.580	0.013
10	11	180.575	180.615	0.040
10	12	180.598	180.596	-0.002
10	13	180.532	180.557	0.025
10	14	180.617	180.589	-0.028
10	15	180.557	180.595	0.038
15	16	180.591	180.580	-0.011
15	17	180.578	180.559	-0.019
15	18	180.602	180.587	-0.015
15	19	180.641	180.629	-0.012
15	20	180.567	180.586	0.019
30	89	180.575	180.612	0.037
30	90	180.598	180.568	-0.030
30	91	180.532	180.543	0.011
30	92	180.617	180.629	0.012
30	93	180.557	180.593	0.036
35	132	180.591	180.596	0.005
35	133	180.578	180.580	0.002
35	135	180.602	180.660	0.058
35	136	180.641	180.638	-0.003
35	137	180.567	180.529	-0.038
50	94	180.583	180.496	-0.087
50	95	180.586	180.524	-0.062
50	96	180.594	180.503	-0.091
50	97	180.602	180.538	-0.064
50	99	180.657	180.598	-0.059
50	100	180.625	180.554	-0.071
55	186	180.582	180.499	-0.083
55	187	180.578	180.499	-0.079
55	188	180.521	180.508	-0.013
55	189	180.592	180.507	-0.085
55	190	180.559	180.506	-0.053
100	101	180.576	180.504	-0.072
100	102	180.617	180.552	-0.065
100	103	180.566	180.470	-0.096
100	104	180.657	180.575	-0.082
100	105	180.517	180.465	-0.052
100	106	180.552	180.495	-0.057
100	107	180.562	180.474	-0.088
100	108	180.510	180.464	-0.046
100	109	180.562	180.513	-0.049
100	110	180.642	180.587	-0.055
100	111	180.551	180.555	0.004
100	112	180.673	180.588	-0.085
100	113	180.603	180.541	-0.062
100	114	180.629	180.451	-0.178
100	115	180.596	180.491	-0.105
100	116	180.536	180.467	-0.069
100	117	180.599	180.500	-0.099
100	118	180.659	180.538	-0.121
100	119	180.578	180.536	-0.042
100	120	180.541	180.486	-0.055
100	121	180.610	180.550	-0.060
100	123	180.652	180.578	-0.074
100	124	180.559	180.588	0.029
105	191	180.577	180.520	-0.057
105	192	180.659	180.537	-0.122
105	193	180.508	180.465	-0.043
105	194	180.592	180.591	-0.001
105	195	180.507	180.470	-0.037
	Max	180.673	180.660	0.064
	Average	180.585	180.554	-0.032
	Min	180.507	180.451	-0.178
	Std Dev	0.039	0.052	0.049

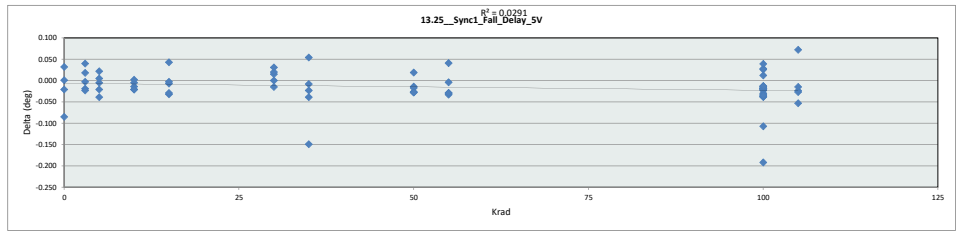


13.24_Sync1_Fall_Delay_3V										
Test Site										
Tester										
Test Number										
Max Limit	185	deg								
Min Limit	165	deg								
Krad	3	5	10	15	30	35	50	55	100	105
LL	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000
Min	180.563	180.526	180.580	180.557	180.559	180.543	180.529	180.496	180.499	180.451
Average	180.595	180.582	180.602	180.590	180.588	180.589	180.601	180.536	180.504	180.520
Max	180.635	180.621	180.635	180.615	180.629	180.629	180.660	180.598	180.508	180.588
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000

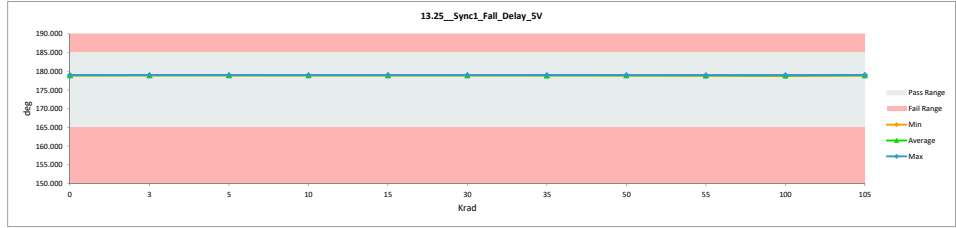


LDR TID Report  
POLARIS - TPS7H4001-SP

13.25_Sync1_Fall_Delay_5V				
Test Site				
Tester				
Test Number				
Unit	deg	deg		
Max Limit	185	185		
Min Limit	165	165		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	178.998	178.977	-0.021
0	140	178.939	178.854	-0.085
0	141	178.896	178.928	0.032
0	142	178.907	178.908	0.001
3	1	178.920	178.917	-0.003
3	2	178.908	178.889	-0.019
3	3	178.940	178.980	0.040
3	4	178.978	178.996	0.018
3	5	178.921	178.898	-0.023
5	6	178.926	178.887	-0.039
5	7	178.996	178.991	-0.005
5	8	178.908	178.930	0.022
5	9	178.930	178.935	0.005
5	10	178.951	178.930	-0.021
10	11	178.920	178.906	-0.014
10	12	178.908	178.887	-0.021
10	13	178.940	178.919	-0.021
10	14	178.978	178.973	-0.005
10	15	178.921	178.923	0.002
15	16	178.926	178.894	-0.032
15	17	178.996	178.989	-0.007
15	18	178.908	178.951	0.043
15	19	178.930	178.927	-0.003
15	20	178.951	178.922	-0.029
30	89	178.920	178.935	0.015
30	90	178.908	178.908	0.000
30	91	178.940	178.960	0.020
30	92	178.978	178.963	-0.015
30	93	178.921	178.952	0.031
35	132	178.926	178.887	-0.039
35	133	178.996	178.988	-0.008
35	135	178.908	178.962	0.054
35	136	178.930	178.907	-0.023
35	137	178.951	178.802	-0.149
50	94	178.922	178.895	-0.027
50	95	178.881	178.900	0.019
50	96	178.973	178.946	-0.027
50	97	178.923	178.909	-0.014
50	99	178.995	178.978	-0.017
50	100	178.941	178.913	-0.028
55	186	178.803	178.844	0.041
55	187	178.991	178.958	-0.033
55	188	178.928	178.899	-0.029
55	189	178.935	178.931	-0.004
55	190	178.937	178.908	-0.029
100	101	178.939	178.919	-0.020
100	102	178.911	178.898	-0.013
100	103	178.929	178.899	-0.030
100	104	178.940	178.952	0.012
100	105	178.789	178.815	0.026
100	106	178.960	178.853	-0.107
100	107	178.922	178.884	-0.038
100	108	178.920	178.901	-0.019
100	109	178.873	178.901	0.028
100	110	178.952	178.991	0.039
100	111	178.944	178.926	-0.018
100	112	178.972	178.954	-0.018
100	113	178.877	178.840	-0.037
100	114	178.928	178.907	-0.021
100	115	178.926	178.888	-0.038
100	116	178.938	178.919	-0.019
100	117	178.781	178.758	-0.023
100	118	178.958	178.925	-0.033
100	119	178.997	178.980	-0.017
100	120	178.883	178.869	-0.014
100	121	178.936	178.923	-0.013
100	123	179.007	178.972	-0.035
100	124	178.913	178.721	-0.192
105	191	179.031	179.007	-0.024
105	192	178.947	178.920	-0.027
105	193	178.863	178.935	0.072
105	194	178.982	178.967	-0.015
105	195	178.906	178.853	-0.053
	Max	179.031	179.007	0.072
	Average	178.932	178.917	-0.015
	Min	178.781	178.721	-0.192
	Std Dev	0.045	0.052	0.039

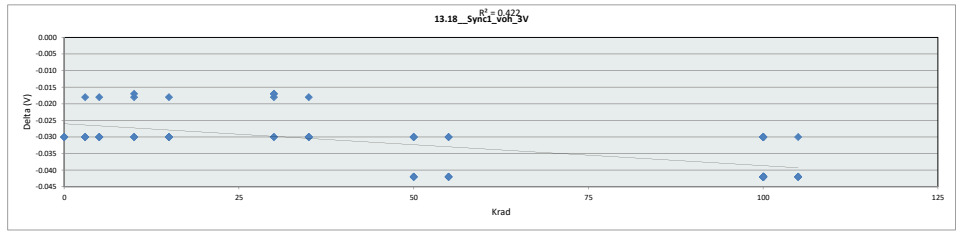


13.25_Sync1_Fall_Delay_5V										
Test Site										
Tester										
Test Number										
Max Limit	185	deg								
Min Limit	165	deg								
Krad	0	5	10	15	30	35	50	55	100	105
LL	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000	165.000
Min	178.854	178.889	178.887	178.887	178.894	178.908	178.802	178.895	178.844	178.721
Average	178.917	178.936	178.935	178.922	178.937	178.944	178.909	178.924	178.908	178.895
Max	178.977	178.996	178.991	178.973	178.989	178.963	178.988	178.978	178.958	178.991
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000

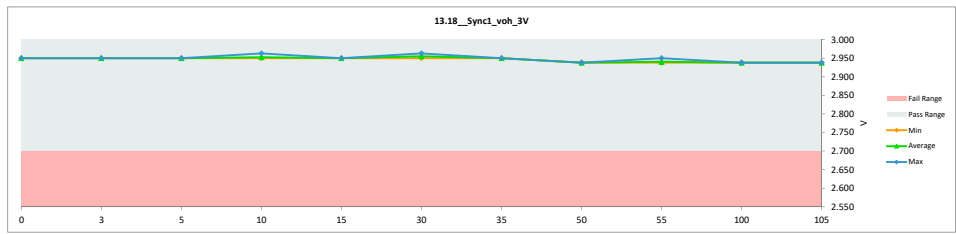


LDR TID Report  
POLARIS - TPS7H4001-SP

13.18_Sync1_voh_3V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit				
Min Limit	2.7	2.7		
Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	2.980	2.950	-0.030
0	140	2.980	2.950	-0.030
0	141	2.980	2.950	-0.030
0	142	2.980	2.950	-0.030
3	1	2.968	2.950	-0.018
3	2	2.980	2.950	-0.030
3	3	2.980	2.950	-0.030
3	4	2.980	2.950	-0.030
3	5	2.980	2.950	-0.030
5	6	2.980	2.950	-0.030
5	7	2.968	2.950	-0.018
5	8	2.980	2.950	-0.030
5	9	2.980	2.950	-0.030
5	10	2.980	2.950	-0.030
10	11	2.968	2.950	-0.018
10	12	2.980	2.950	-0.030
10	13	2.980	2.950	-0.030
10	14	2.980	2.963	-0.017
10	15	2.980	2.950	-0.030
15	16	2.980	2.950	-0.030
15	17	2.968	2.950	-0.018
15	18	2.980	2.950	-0.030
15	19	2.980	2.950	-0.030
15	20	2.980	2.950	-0.030
30	89	2.968	2.950	-0.018
30	90	2.980	2.950	-0.030
30	91	2.980	2.963	-0.017
30	92	2.980	2.950	-0.030
30	93	2.980	2.963	-0.017
35	132	2.980	2.950	-0.030
35	133	2.968	2.950	-0.018
35	135	2.980	2.950	-0.030
35	136	2.980	2.950	-0.030
35	137	2.980	2.950	-0.030
50	94	2.980	2.938	-0.042
50	95	2.968	2.938	-0.030
50	96	2.980	2.938	-0.042
50	97	2.980	2.938	-0.042
50	99	2.968	2.938	-0.030
50	100	2.968	2.938	-0.030
55	186	2.980	2.938	-0.042
55	187	2.968	2.938	-0.030
55	188	2.980	2.950	-0.030
55	189	2.980	2.938	-0.042
55	190	2.980	2.938	-0.042
100	101	2.980	2.938	-0.042
100	102	2.980	2.938	-0.042
100	103	2.980	2.938	-0.042
100	104	2.980	2.938	-0.042
100	105	2.968	2.938	-0.030
100	106	2.968	2.938	-0.030
100	107	2.968	2.938	-0.030
100	108	2.980	2.938	-0.042
100	109	2.980	2.938	-0.042
100	110	2.980	2.938	-0.042
100	111	2.980	2.938	-0.042
100	112	2.968	2.938	-0.030
100	113	2.968	2.938	-0.030
100	114	2.980	2.938	-0.042
100	115	2.980	2.938	-0.042
100	116	2.980	2.938	-0.042
100	117	2.980	2.938	-0.042
100	118	2.968	2.938	-0.030
100	119	2.980	2.938	-0.042
100	120	2.980	2.938	-0.042
100	121	2.980	2.938	-0.042
100	123	2.968	2.938	-0.030
100	124	2.980	2.938	-0.042
105	191	2.980	2.938	-0.042
105	192	2.968	2.938	-0.030
105	193	2.980	2.938	-0.042
105	194	2.980	2.938	-0.042
105	195	2.980	2.938	-0.042
	Max	2.980	2.963	-0.017
	Average	2.977	2.944	-0.033
	Min	2.968	2.938	-0.042
	Std Dev	0.005	0.007	0.008

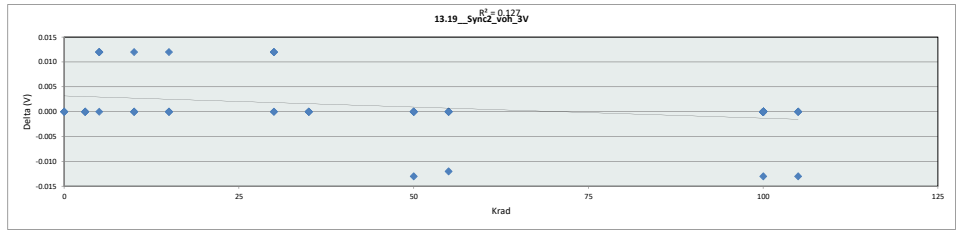


13.18_Sync1_voh_3V											
Test Site											
Tester											
Test Number											
Max Limit	V										
Min Limit	2.7	V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700
Min	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.938	2.938	2.938	2.938
Average	2.950	2.950	2.950	2.953	2.950	2.955	2.950	2.938	2.940	2.938	2.938
Max	2.950	2.950	2.950	2.963	2.950	2.963	2.950	2.938	2.950	2.938	2.938
UL											

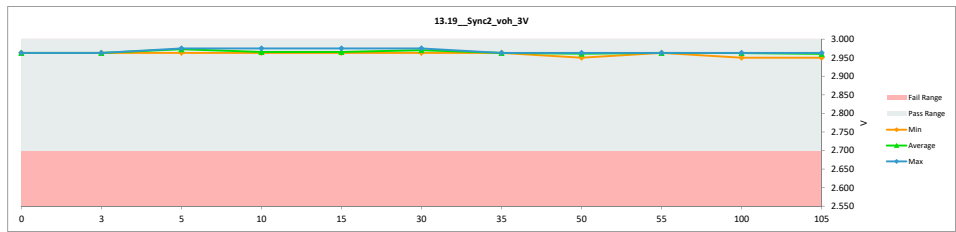


LDR TID Report  
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13.19_Sync2_voh_3V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit				
Min Limit	2.7	2.7		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	2.963	2.963	0.000
0	140	2.963	2.963	0.000
0	141	2.963	2.963	0.000
0	142	2.963	2.963	0.000
3	1	2.963	2.963	0.000
3	2	2.963	2.963	0.000
3	3	2.963	2.963	0.000
3	4	2.963	2.963	0.000
3	5	2.963	2.963	0.000
5	6	2.963	2.975	0.012
5	7	2.963	2.975	0.012
5	8	2.963	2.975	0.012
5	9	2.963	2.975	0.012
5	10	2.963	2.963	0.000
10	11	2.963	2.963	0.000
10	12	2.963	2.963	0.000
10	13	2.963	2.963	0.000
10	14	2.963	2.963	0.000
10	15	2.963	2.975	0.012
15	16	2.963	2.963	0.000
15	17	2.963	2.975	0.012
15	18	2.963	2.963	0.000
15	19	2.963	2.963	0.000
15	20	2.963	2.963	0.000
30	89	2.963	2.963	0.000
30	90	2.963	2.975	0.012
30	91	2.963	2.975	0.012
30	92	2.963	2.963	0.000
30	93	2.963	2.975	0.012
35	132	2.963	2.963	0.000
35	133	2.963	2.963	0.000
35	135	2.963	2.963	0.000
35	136	2.963	2.963	0.000
35	137	2.963	2.963	0.000
50	94	2.963	2.963	0.000
50	95	2.963	2.963	0.000
50	96	2.963	2.963	0.000
50	97	2.963	2.950	-0.013
50	99	2.963	2.963	0.000
50	100	2.963	2.963	0.000
55	186	2.963	2.963	0.000
55	187	2.963	2.963	0.000
55	188	2.963	2.963	0.000
55	189	2.963	2.963	0.000
55	190	2.975	2.963	-0.012
100	101	2.963	2.963	0.000
100	102	2.963	2.950	-0.013
100	103	2.963	2.963	0.000
100	104	2.963	2.963	0.000
100	105	2.963	2.963	0.000
100	106	2.963	2.963	0.000
100	107	2.963	2.963	0.000
100	108	2.963	2.963	0.000
100	109	2.963	2.963	0.000
100	110	2.963	2.963	0.000
100	111	2.963	2.963	0.000
100	112	2.963	2.963	0.000
100	113	2.963	2.963	0.000
100	114	2.963	2.963	0.000
100	115	2.963	2.963	0.000
100	116	2.963	2.963	0.000
100	117	2.963	2.963	0.000
100	118	2.963	2.963	0.000
100	119	2.963	2.963	0.000
100	120	2.963	2.963	0.000
100	121	2.963	2.963	0.000
100	123	2.963	2.963	0.000
100	124	2.963	2.963	0.000
105	191	2.963	2.963	0.000
105	192	2.963	2.963	0.000
105	193	2.963	2.963	0.000
105	194	2.963	2.963	0.000
105	195	2.963	2.950	-0.013
	Max	2.975	2.975	0.012
	Average	2.963	2.964	0.001
	Min	2.963	2.950	-0.013
	Std Dev	0.001	0.005	0.005



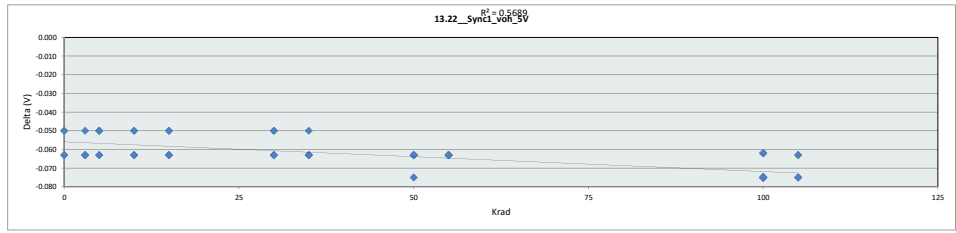
13.19_Sync2_voh_3V											
Test Site											
Tester											
Test Number											
Max Limit	V										
Min Limit	2.7	V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700
Min	2.963	2.963	2.963	2.963	2.963	2.963	2.963	2.950	2.963	2.950	2.950
Average	2.963	2.963	2.973	2.965	2.965	2.970	2.963	2.961	2.963	2.962	2.960
Max	2.963	2.963	2.975	2.975	2.975	2.975	2.963	2.963	2.963	2.963	2.963
UL											



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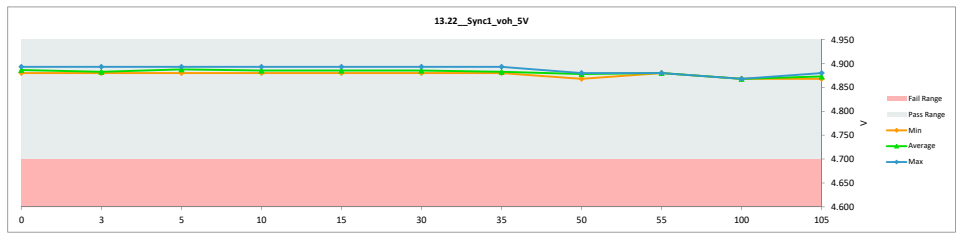
13.22_Sync1_voh_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	V
Min Limit	4.7

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	4.943	4.880	-0.063
0	140	4.943	4.893	-0.050
0	141	4.943	4.893	-0.050
0	142	4.943	4.880	-0.063
3	1	4.943	4.880	-0.063
3	2	4.943	4.880	-0.063
3	3	4.943	4.880	-0.063
3	4	4.943	4.893	-0.050
3	5	4.943	4.880	-0.063
5	6	4.943	4.893	-0.050
5	7	4.943	4.880	-0.063
5	8	4.943	4.893	-0.050
5	9	4.943	4.893	-0.050
5	10	4.943	4.880	-0.063
10	11	4.943	4.880	-0.063
10	12	4.943	4.880	-0.063
10	13	4.943	4.880	-0.063
10	14	4.943	4.893	-0.050
10	15	4.943	4.893	-0.050
15	16	4.943	4.880	-0.063
15	17	4.943	4.893	-0.050
15	18	4.943	4.880	-0.063
15	19	4.943	4.893	-0.050
15	20	4.943	4.880	-0.063
30	89	4.943	4.880	-0.063
30	90	4.943	4.893	-0.050
30	91	4.943	4.880	-0.063
30	92	4.943	4.893	-0.050
30	93	4.943	4.880	-0.063
35	132	4.943	4.880	-0.063
35	133	4.943	4.893	-0.050
35	135	4.943	4.880	-0.063
35	136	4.943	4.880	-0.063
35	137	4.943	4.880	-0.063
50	94	4.943	4.880	-0.063
50	95	4.943	4.880	-0.063
50	96	4.943	4.880	-0.063
50	97	4.943	4.880	-0.063
50	99	4.943	4.880	-0.063
50	100	4.943	4.868	-0.075
55	186	4.943	4.880	-0.063
55	187	4.943	4.880	-0.063
55	188	4.943	4.880	-0.063
55	189	4.943	4.880	-0.063
55	190	4.943	4.880	-0.063
100	101	4.943	4.868	-0.075
100	102	4.943	4.868	-0.075
100	103	4.943	4.868	-0.075
100	104	4.943	4.868	-0.075
100	105	4.943	4.868	-0.075
100	106	4.930	4.868	-0.062
100	107	4.943	4.868	-0.075
100	108	4.943	4.868	-0.075
100	109	4.943	4.868	-0.075
100	110	4.943	4.868	-0.075
100	111	4.943	4.868	-0.075
100	112	4.943	4.868	-0.075
100	113	4.930	4.868	-0.062
100	114	4.943	4.868	-0.075
100	115	4.930	4.868	-0.062
100	116	4.943	4.868	-0.075
100	117	4.943	4.868	-0.075
100	118	4.943	4.868	-0.075
100	119	4.943	4.868	-0.075
100	120	4.943	4.868	-0.075
100	121	4.943	4.868	-0.075
100	123	4.930	4.868	-0.062
100	124	4.943	4.868	-0.075
105	191	4.943	4.880	-0.063
105	192	4.943	4.868	-0.075
105	193	4.943	4.880	-0.063
105	194	4.943	4.868	-0.075
105	195	4.943	4.868	-0.075
	Max	4.943	4.893	-0.050
	Average	4.942	4.878	-0.064
	Min	4.930	4.868	-0.075
	Std Dev	0.003	0.009	0.009



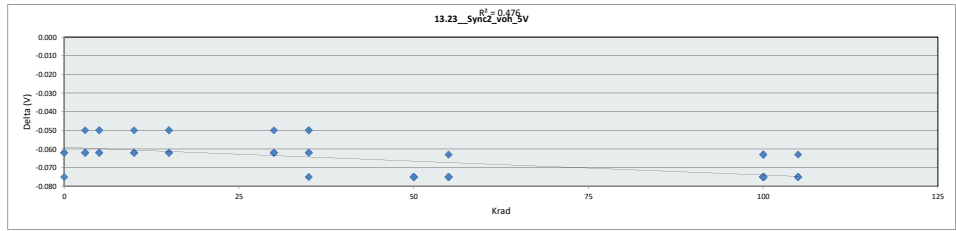
13.22_Sync1_voh_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	V
Min Limit	4.7

Krad	0	3	5	10	15	30	35	50	55	100	105
LL	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700
Min	4.880	4.880	4.880	4.880	4.880	4.880	4.880	4.880	4.868	4.880	4.868
Average	4.887	4.883	4.888	4.885	4.885	4.885	4.883	4.878	4.880	4.868	4.873
Max	4.893	4.893	4.893	4.893	4.893	4.893	4.893	4.880	4.880	4.868	4.880
UL											

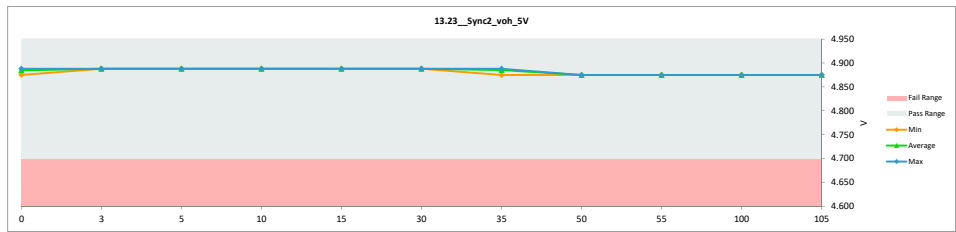


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13.23_Sync2_voh_5V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit				
Min Limit	4.7	4.7		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	4.950	4.888	-0.062
0	140	4.950	4.875	-0.075
0	141	4.950	4.888	-0.062
0	142	4.950	4.888	-0.062
3	1	4.938	4.888	-0.050
3	2	4.950	4.888	-0.062
3	3	4.950	4.888	-0.062
3	4	4.950	4.888	-0.062
3	5	4.950	4.888	-0.062
5	6	4.950	4.888	-0.062
5	7	4.950	4.888	-0.062
5	8	4.950	4.888	-0.062
5	9	4.938	4.888	-0.050
5	10	4.938	4.888	-0.050
10	11	4.938	4.888	-0.050
10	12	4.950	4.888	-0.062
10	13	4.950	4.888	-0.062
10	14	4.950	4.888	-0.062
10	15	4.950	4.888	-0.062
15	16	4.950	4.888	-0.062
15	17	4.950	4.888	-0.062
15	18	4.950	4.888	-0.062
15	19	4.938	4.888	-0.050
15	20	4.938	4.888	-0.050
30	89	4.938	4.888	-0.050
30	90	4.950	4.888	-0.062
30	91	4.950	4.888	-0.062
30	92	4.950	4.888	-0.062
30	93	4.950	4.888	-0.062
35	132	4.950	4.888	-0.062
35	133	4.950	4.875	-0.075
35	135	4.950	4.888	-0.062
35	136	4.938	4.888	-0.050
35	137	4.938	4.888	-0.050
50	94	4.950	4.875	-0.075
50	95	4.950	4.875	-0.075
50	96	4.950	4.875	-0.075
50	97	4.950	4.875	-0.075
50	99	4.950	4.875	-0.075
50	100	4.950	4.875	-0.075
55	186	4.938	4.875	-0.063
55	187	4.950	4.875	-0.075
55	188	4.950	4.875	-0.075
55	189	4.950	4.875	-0.075
55	190	4.950	4.875	-0.075
100	101	4.950	4.875	-0.075
100	102	4.950	4.875	-0.075
100	103	4.950	4.875	-0.075
100	104	4.950	4.875	-0.075
100	105	4.950	4.875	-0.075
100	106	4.950	4.875	-0.075
100	107	4.950	4.875	-0.075
100	108	4.950	4.875	-0.075
100	109	4.938	4.875	-0.063
100	110	4.950	4.875	-0.075
100	111	4.950	4.875	-0.075
100	112	4.950	4.875	-0.075
100	113	4.950	4.875	-0.075
100	114	4.938	4.875	-0.063
100	115	4.938	4.875	-0.063
100	116	4.950	4.875	-0.075
100	117	4.950	4.875	-0.075
100	118	4.950	4.875	-0.075
100	119	4.950	4.875	-0.075
100	120	4.950	4.875	-0.075
100	121	4.950	4.875	-0.075
100	123	4.950	4.875	-0.075
100	124	4.950	4.875	-0.075
105	191	4.950	4.875	-0.075
105	192	4.950	4.875	-0.075
105	193	4.950	4.875	-0.075
105	194	4.950	4.875	-0.075
105	195	4.938	4.875	-0.063
	Max	4.950	4.888	-0.050
	Average	4.948	4.881	-0.067
	Min	4.938	4.875	-0.075
	Std Dev	0.005	0.006	0.009

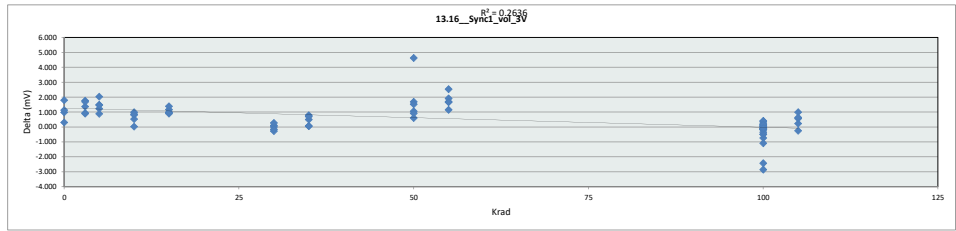


13.23_Sync2_voh_5V											
Test Site											
Tester											
Test Number											
Max Limit	V										
Min Limit	4.7	V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700
Min	4.875	4.888	4.888	4.888	4.888	4.888	4.888	4.875	4.875	4.875	4.875
Average	4.885	4.888	4.888	4.888	4.888	4.888	4.885	4.885	4.875	4.875	4.875
Max	4.888	4.888	4.888	4.888	4.888	4.888	4.888	4.888	4.875	4.875	4.875
UL											

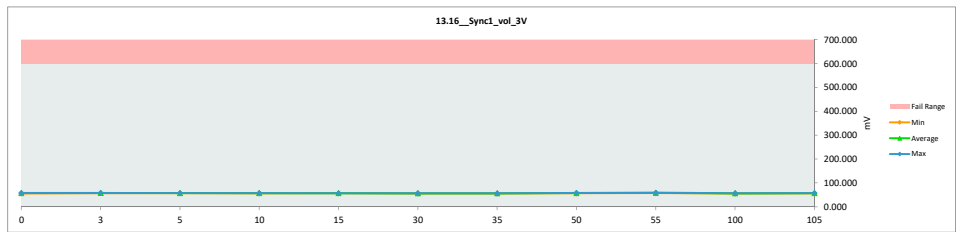


LDR TID Report  
POLARIS - TPS7H4001-3P

13.16_Sync1_vol_3V				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	600	600		
Min Limit				
Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	56.691	57.677	0.986
0	140	55.298	55.601	0.303
0	141	56.166	57.964	1.798
0	142	56.381	57.516	1.135
3	1	55.485	56.856	1.371
3	2	56.166	57.109	0.943
3	3	56.435	57.330	0.895
3	4	56.432	58.192	1.760
3	5	56.364	58.048	1.684
5	6	55.336	56.564	1.228
5	7	55.573	57.055	1.482
5	8	55.603	56.486	0.883
5	9	55.974	57.450	1.476
5	10	55.516	57.545	2.029
10	11	55.485	56.295	0.810
10	12	56.166	56.702	0.536
10	13	56.435	57.432	0.997
10	14	56.432	57.300	0.868
10	15	56.364	56.391	0.027
15	16	55.336	56.497	1.161
15	17	55.573	56.564	0.991
15	18	55.603	56.504	0.901
15	19	55.974	56.935	0.961
15	20	55.516	56.905	1.389
30	89	55.485	55.488	0.003
30	90	56.166	55.894	-0.272
30	91	56.435	56.540	0.105
30	92	56.432	56.702	0.270
30	93	56.364	56.211	-0.153
35	132	55.336	55.395	0.059
35	133	55.573	56.367	0.794
35	135	55.603	55.673	0.070
35	136	55.974	56.469	0.495
35	137	55.516	56.217	0.701
50	94	56.273	57.964	1.691
50	95	52.302	56.929	4.627
50	96	55.376	56.905	1.529
50	97	56.691	57.748	1.057
50	99	56.674	57.282	0.608
50	100	55.573	56.486	0.913
55	186	55.783	57.694	1.911
55	187	55.083	57.617	2.534
55	188	57.398	59.082	1.684
55	189	56.023	57.180	1.157
55	190	56.913	58.580	1.667
100	101	56.429	56.576	0.147
100	102	56.070	55.586	-0.484
100	103	56.303	55.570	-0.733
100	104	56.183	56.229	0.046
100	105	56.339	56.348	0.009
100	106	58.684	55.834	-2.850
100	107	55.532	55.915	0.383
100	108	56.315	55.828	-0.487
100	109	56.417	56.683	0.266
100	110	56.453	56.564	0.111
100	111	56.136	55.995	-0.141
100	112	55.669	55.481	-0.188
100	113	55.747	55.642	-0.105
100	114	55.143	55.020	-0.123
100	115	55.663	55.314	-0.349
100	116	56.919	56.815	-0.104
100	117	58.053	55.630	-2.423
100	118	55.735	56.145	0.410
100	119	56.907	56.958	0.051
100	120	57.577	56.492	-1.085
100	121	55.747	55.917	0.170
100	123	56.339	56.175	-0.164
100	124	56.642	56.576	-0.066
105	191	56.034	56.270	0.236
105	192	55.532	56.100	0.568
105	193	56.614	57.611	0.997
105	194	55.687	56.324	0.637
105	195	57.180	56.929	-0.251
	Max	58.684	59.082	4.627
	Average	56.073	56.656	0.583
	Min	52.302	55.020	-2.850
	Std Dev	0.796	0.822	1.027

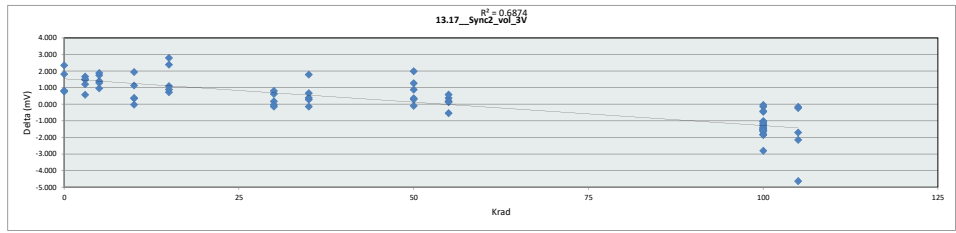


13.16_Sync1_vol_3V											
Test Site											
Tester											
Test Number											
Max Limit	600	mV									
Min Limit		mV									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	55.601	56.856	56.486	56.295	56.497	55.488	55.395	56.486	57.180	55.020	56.100
Average	57.190	57.507	57.020	56.824	56.681	56.167	56.024	57.219	58.031	56.056	56.647
Max	57.964	58.192	57.545	57.432	56.935	56.702	56.469	57.964	59.082	56.958	57.611
UL	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000

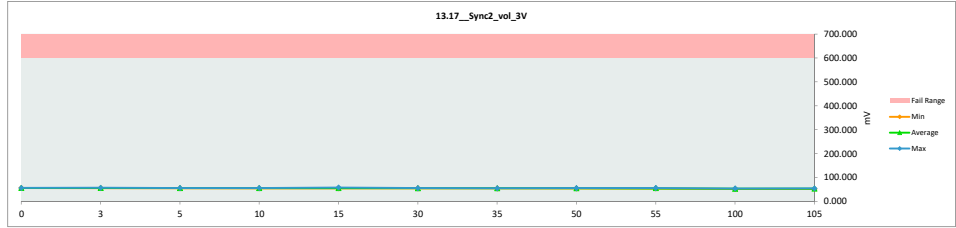


LDR TID Report  
POLARIS - TPS7H4001-SP

13.17_Sync2_vol_3V				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	600	600		
Min Limit				
Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	54.463	55.291	0.828
0	140	54.559	55.327	0.768
0	141	54.085	55.901	1.816
0	142	53.509	55.852	2.343
3	1	54.853	56.527	1.674
3	2	54.259	54.834	0.575
3	3	54.163	55.639	1.476
3	4	54.307	55.519	1.212
3	5	53.629	55.148	1.519
5	6	53.162	54.566	1.404
5	7	53.491	55.238	1.747
5	8	53.661	54.950	1.289
5	9	54.577	55.531	0.954
5	10	52.334	54.218	1.884
10	11	54.853	55.202	0.349
10	12	54.259	54.644	0.385
10	13	54.163	55.297	1.134
10	14	54.307	54.284	-0.023
10	15	53.629	55.567	1.938
15	16	53.162	54.254	1.092
15	17	53.491	54.218	0.727
15	18	53.661	54.554	0.893
15	19	54.577	57.367	2.790
15	20	52.334	54.716	2.382
30	89	54.853	55.034	0.181
30	90	54.259	54.224	-0.035
30	91	54.163	54.782	0.619
30	92	54.307	54.170	-0.137
30	93	53.629	54.434	0.805
35	132	53.162	53.552	0.390
35	133	53.491	54.158	0.667
35	135	53.661	53.942	0.281
35	136	54.577	54.440	-0.137
35	137	52.334	54.122	1.788
50	94	53.828	55.093	1.265
50	95	51.886	53.875	1.989
50	96	53.121	54.001	0.880
50	97	54.523	54.427	-0.096
50	99	54.079	54.385	0.306
50	100	53.144	53.509	0.365
55	186	54.559	54.931	0.372
55	187	54.289	53.749	-0.540
55	188	55.303	55.489	0.186
55	189	53.509	53.635	0.126
55	190	54.811	55.393	0.582
100	101	54.043	52.994	-1.049
100	102	53.592	52.046	-1.546
100	103	52.310	51.866	-0.444
100	104	53.485	52.106	-1.379
100	105	54.163	52.706	-1.457
100	106	52.508	52.358	-0.150
100	107	53.623	52.610	-1.013
100	108	54.061	52.574	-1.487
100	109	54.697	53.054	-1.643
100	110	53.299	52.022	-1.277
100	111	53.887	52.508	-1.379
100	112	53.527	52.274	-1.253
100	113	53.275	51.686	-1.589
100	114	53.174	51.368	-1.806
100	115	53.413	51.590	-1.823
100	116	54.231	52.718	-1.513
100	117	52.526	52.112	-0.414
100	118	52.364	52.316	-0.048
100	119	54.073	53.015	-1.058
100	120	56.143	53.338	-2.805
100	121	53.810	51.968	-1.842
100	123	54.109	52.532	-1.577
100	124	54.439	53.282	-1.157
105	191	57.334	52.706	-4.628
105	192	53.503	51.356	-2.147
105	193	54.055	53.896	-0.159
105	194	52.469	52.246	-0.223
105	195	55.021	53.319	-1.702
	Max	57.334	57.367	2.790
	Average	53.865	53.898	0.033
	Min	51.886	51.356	-4.628
	Std Dev	0.893	1.364	1.392



13.17_Sync2_vol_3V											
Test Site											
Tester											
Test Number											
Max Limit	600	mV									
Min Limit		mV									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	55.291	54.834	54.218	54.284	54.218	54.170	53.552	53.509	53.635	51.368	51.356
Average	55.593	55.533	54.901	54.999	55.022	54.529	54.043	54.215	54.639	52.393	52.705
Max	55.901	56.527	55.531	55.567	57.367	55.034	54.440	55.093	55.489	53.338	53.896
UL	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000

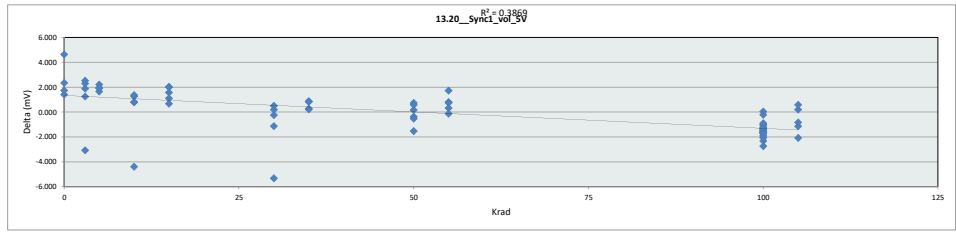




LDR TID Report  
POLARIS - TPS7H4001-5P

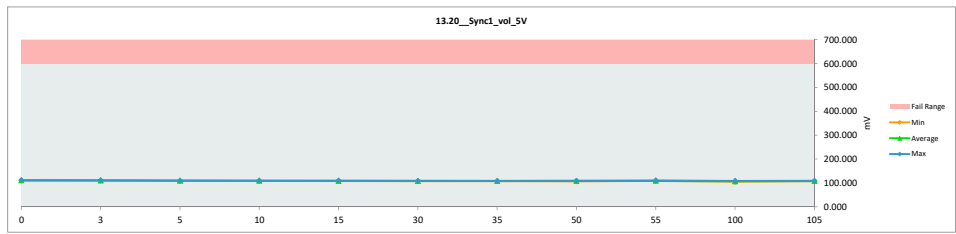
13.20_Sync1_vol_5V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	600 600
Min Limit	

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	107.061	111.688	4.627
0	140	107.884	109.621	1.737
0	141	108.293	109.695	1.402
0	142	107.561	109.910	2.349
3	1	107.974	109.222	1.248
3	2	107.284	109.813	2.529
3	3	114.123	111.053	-3.070
3	4	108.286	110.580	2.294
3	5	108.321	110.204	1.883
5	6	106.126	108.339	2.213
5	7	107.591	109.539	1.948
5	8	106.938	108.587	1.649
5	9	108.175	110.096	1.921
5	10	107.129	109.064	1.935
10	11	107.974	108.768	0.794
10	12	107.284	108.558	1.274
10	13	114.123	109.737	-4.386
10	14	108.286	109.659	1.373
10	15	108.321	109.139	0.818
15	16	106.126	107.703	1.577
15	17	107.591	109.596	2.005
15	18	106.938	108.044	1.106
15	19	108.175	108.845	0.670
15	20	107.129	109.150	2.021
30	89	107.974	106.841	-1.133
30	90	107.284	107.481	0.197
30	91	114.123	108.809	-5.314
30	92	108.286	108.797	0.511
30	93	108.321	108.079	-0.242
35	132	106.126	106.967	0.841
35	133	107.591	108.456	0.865
35	135	106.938	107.206	0.268
35	136	108.175	108.403	0.228
35	137	107.129	107.980	0.851
50	94	110.653	109.132	-1.521
50	95	106.938	107.676	0.738
50	96	107.952	108.120	0.168
50	97	109.116	108.753	-0.363
50	99	107.603	108.192	0.589
50	100	107.118	106.599	-0.519
55	186	107.549	108.351	0.802
55	187	108.105	108.856	0.751
55	188	110.434	110.304	-0.130
55	189	107.920	108.252	0.332
55	190	108.805	110.532	1.727
100	101	109.690	107.373	-2.317
100	102	107.711	105.673	-2.038
100	103	107.250	105.368	-1.882
100	104	107.989	106.882	-1.107
100	105	108.422	106.890	-1.532
100	106	107.998	106.523	-1.475
100	107	108.212	106.559	-1.653
100	108	107.377	107.420	0.043
100	109	107.717	107.504	-0.213
100	110	108.540	107.144	-1.396
100	111	108.375	106.846	-1.529
100	112	107.998	106.720	-1.278
100	113	107.476	104.746	-2.730
100	114	106.676	105.691	-0.985
100	115	107.071	105.398	-1.673
100	116	110.013	107.961	-2.052
100	117	107.675	106.326	-1.349
100	118	107.896	106.593	-1.303
100	119	109.756	108.499	-1.257
100	120	109.254	107.588	-1.666
100	121	107.723	106.828	-0.895
100	123	108.189	106.499	-1.690
100	124	108.554	106.846	-1.708
105	191	108.751	107.608	-1.143
105	192	106.665	106.859	0.194
105	193	108.410	108.988	0.578
105	194	107.639	106.804	-0.835
105	195	109.822	107.738	-2.084
	Max	114.123	111.688	4.627
	Average	108.187	108.113	-0.074
	Min	106.126	104.746	-5.314
	Std Dev	1.536	1.446	1.736



13.20_Sync1_vol_5V	
Test Site	
Tester	
Test Number	
Max Limit	600 mV
Min Limit	mV

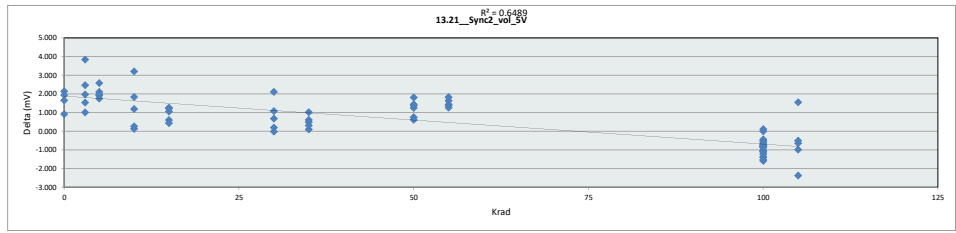
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	109.621	109.222	108.339	108.558	107.703	106.841	106.967	106.599	108.252	104.746	106.804
Average	110.229	110.174	109.125	109.172	108.668	108.001	107.802	108.079	109.259	106.690	107.599
Max	111.688	111.053	110.096	109.737	109.596	108.809	108.456	109.132	110.532	108.499	108.988
UL	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000



LDR TID Report  
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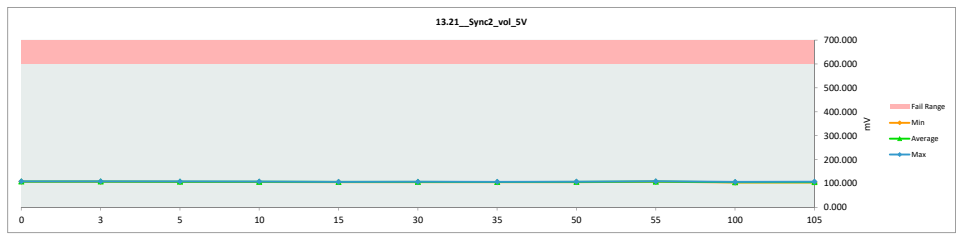
13.21_Sync2_vol_5V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	600 600
Min Limit	

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	106.406	107.325	0.919
0	140	105.880	108.026	2.146
0	141	106.680	108.338	1.658
0	142	105.506	107.439	1.933
3	1	104.241	106.713	2.472
3	2	105.854	106.863	1.009
3	3	104.637	108.476	3.839
3	4	106.304	107.840	1.536
3	5	105.992	107.965	1.973
5	6	104.217	106.131	1.914
5	7	105.501	107.246	1.745
5	8	104.972	107.079	2.107
5	9	106.202	108.182	1.980
5	10	104.625	107.208	2.583
10	11	104.241	106.071	1.830
10	12	105.854	105.987	0.133
10	13	104.637	107.841	3.204
10	14	106.304	106.569	0.265
10	15	105.992	107.184	1.192
15	16	104.217	105.272	1.055
15	17	105.501	106.101	0.600
15	18	104.972	106.185	1.213
15	19	106.202	106.641	0.439
15	20	104.625	105.885	1.260
30	89	104.241	105.322	1.081
30	90	105.854	105.837	-0.017
30	91	104.637	106.743	2.106
30	92	106.304	106.503	0.199
30	93	105.992	106.671	0.679
35	132	104.217	104.823	0.606
35	133	105.501	105.595	0.094
35	135	104.972	105.459	0.487
35	136	106.202	106.507	0.305
35	137	104.625	105.645	1.020
50	94	105.140	106.952	1.812
50	95	104.888	106.140	1.252
50	96	104.905	106.286	1.381
50	97	105.812	107.252	1.440
50	99	105.710	106.466	0.756
50	100	104.446	105.061	0.615
55	186	105.260	106.694	1.434
55	187	105.389	107.030	1.641
55	188	106.934	108.759	1.825
55	189	105.520	106.910	1.390
55	190	106.862	108.128	1.266
100	101	105.656	104.961	-0.695
100	102	104.709	103.833	-0.876
100	103	104.307	104.307	0.000
100	104	105.191	104.667	-0.524
100	105	105.698	105.128	-0.570
100	106	105.302	104.199	-1.103
100	107	105.506	104.715	-0.791
100	108	106.694	105.110	-1.584
100	109	106.454	105.427	-1.027
100	110	105.380	104.645	-0.735
100	111	105.398	105.506	0.108
100	112	104.972	104.163	-0.809
100	113	104.831	103.989	-0.842
100	114	104.277	103.479	-0.798
100	115	104.397	103.359	-1.038
100	116	106.823	105.734	-1.089
100	117	105.104	104.667	-0.437
100	118	105.327	104.487	-0.840
100	119	106.700	106.016	-0.684
100	120	106.982	105.602	-1.380
100	121	105.590	104.367	-1.223
100	123	105.662	104.271	-1.391
100	124	106.454	104.931	-1.523
105	191	106.154	105.172	-0.982
105	192	104.451	103.809	-0.642
105	193	105.608	107.156	1.548
105	194	105.048	104.541	-0.507
105	195	107.555	105.182	-2.373
Max		107.555	108.759	3.839
Average		105.469	105.983	0.515
Min		104.217	103.359	-2.373
Std Dev		0.821	1.323	1.303



13.21_Sync2_vol_5V	
Test Site	
Tester	
Test Number	
Max Limit	600 mV
Min Limit	mV

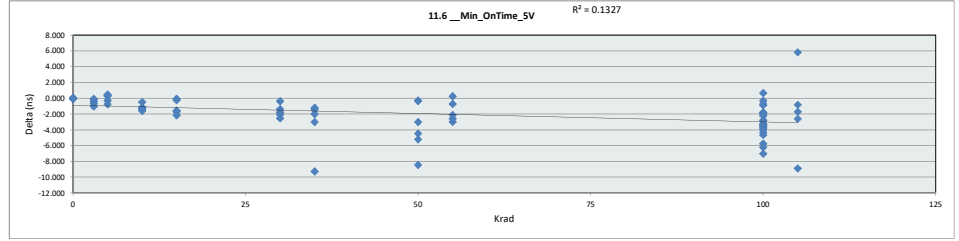
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	107.325	106.713	106.131	105.987	105.272	105.322	104.823	105.061	106.694	103.359	103.809
Average	107.782	107.571	107.169	106.730	106.017	106.215	105.606	106.360	107.504	104.677	105.172
Max	108.338	108.476	108.182	107.841	106.641	106.743	106.507	107.252	108.759	106.016	107.156
UL	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000	600.000



LDR TID Report  
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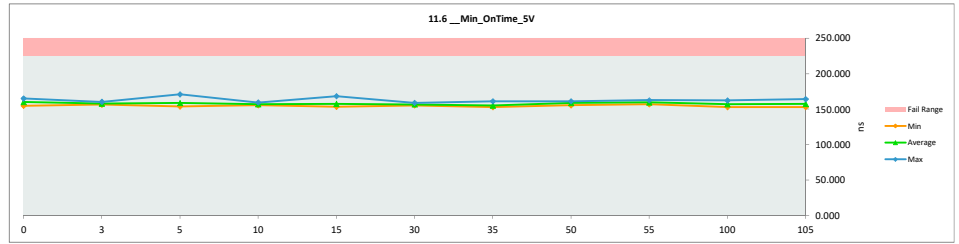
11.6_Min_OnTime_SV	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	225
Min Limit	225

Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	160.625	160.655	0.030
0	140	154.931	154.827	-0.104
0	141	159.679	159.733	0.054
0	142	165.019	164.999	-0.020
3	1	156.712	156.323	-0.389
3	2	161.025	160.340	-0.685
3	3	158.022	156.964	-1.058
3	4	158.280	158.107	-0.173
3	5	157.569	157.501	-0.068
5	6	153.975	153.688	-0.287
5	7	157.175	157.635	0.460
5	8	156.256	156.554	0.298
5	9	170.445	170.847	0.402
5	10	154.929	154.188	-0.741
10	11	156.712	155.384	-1.328
10	12	161.025	159.429	-1.596
10	13	158.022	156.859	-1.163
10	14	158.280	157.076	-1.204
10	15	157.569	157.087	-0.482
15	16	153.975	153.913	-0.062
15	17	157.175	155.494	-1.681
15	18	156.256	156.011	-0.245
15	19	170.445	168.287	-2.158
15	20	154.929	153.349	-1.580
30	89	156.712	155.331	-1.381
30	90	161.025	158.965	-2.060
30	91	158.022	157.644	-0.378
30	92	158.280	155.730	-2.550
30	93	157.569	155.805	-1.764
35	132	153.975	152.780	-1.195
35	133	157.175	154.159	-3.016
35	135	156.256	154.830	-1.426
35	136	170.445	161.158	-9.287
35	137	154.929	152.933	-1.996
50	94	158.420	155.403	-3.017
50	95	160.606	160.270	-0.336
50	96	156.486	156.188	-0.298
50	97	163.963	158.750	-5.213
50	99	164.125	159.639	-4.486
50	100	169.661	161.198	-8.463
55	186	165.068	162.076	-2.992
55	187	158.082	157.361	-0.721
55	188	158.933	156.812	-2.121
55	189	161.275	158.681	-2.594
55	190	162.382	162.641	0.259
100	101	165.812	158.790	-7.022
100	102	158.632	152.894	-5.738
100	103	162.940	162.202	-0.738
100	104	157.654	155.840	-1.814
100	105	158.506	159.167	0.661
100	106	159.002	158.691	-0.311
100	107	158.435	156.625	-1.810
100	108	161.028	157.120	-3.908
100	109	163.824	159.164	-4.660
100	110	161.667	157.324	-4.343
100	111	158.654	154.933	-3.721
100	112	162.325	158.358	-3.967
100	113	156.659	154.828	-1.831
100	114	156.937	154.089	-2.848
100	115	161.437	159.448	-1.989
100	116	157.379	155.150	-2.229
100	117	161.928	158.449	-3.479
100	118	157.524	153.933	-3.591
100	119	158.820	157.918	-0.902
100	120	160.978	157.665	-3.313
100	121	158.948	155.717	-3.231
100	123	156.795	154.003	-2.792
100	124	166.209	159.997	-6.212
105	191	155.516	153.793	-1.723
105	192	160.480	159.650	-0.830
105	193	158.428	164.258	5.830
105	194	155.537	152.917	-2.620
105	195	165.526	156.629	-8.897
	Max	170.445	170.847	5.830
	Average	159.589	157.577	-2.012
	Min	153.975	152.780	-9.287
	Std Dev	3.939	3.410	2.373



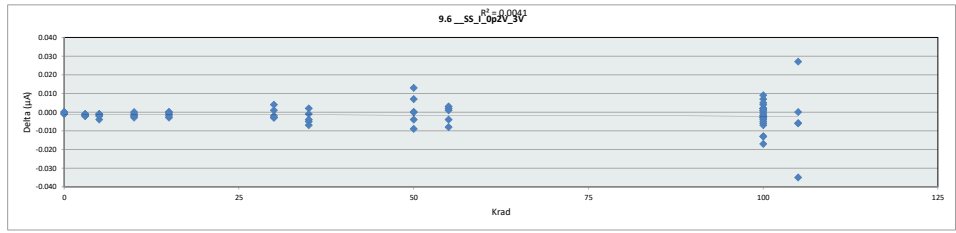
11.6_Min_OnTime_SV	
Test Site	
Tester	
Test Number	
Max Limit	225
Min Limit	ns

Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	154.827	156.323	153.688	155.384	153.349	155.331	152.780	155.403	156.812	152.894	152.917
Average	160.054	157.847	158.582	157.167	157.411	156.695	155.172	158.575	159.514	157.057	157.449
Max	164.999	160.340	170.847	159.429	168.287	158.965	161.158	161.198	162.641	162.202	164.258
UL	225.000	225.000	225.000	225.000	225.000	225.000	225.000	225.000	225.000	225.000	225.000

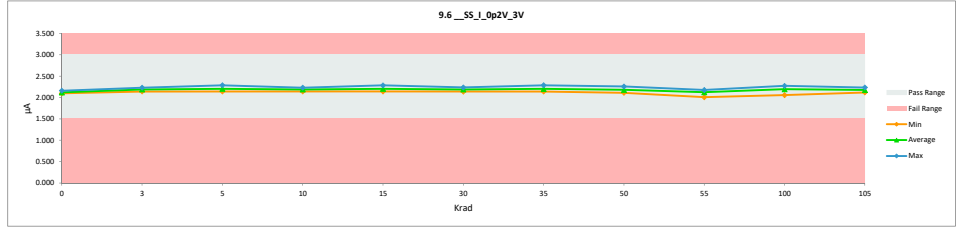


LDR TID Report  
POLARIS - TPS7H4001-SP

9.6_SS_I_0p2V_3V				
Test Site				
Tester				
Test Number				
Unit	µA	µA		
Max Limit	3	3		
Min Limit	1.5	1.5		
Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	2.099	2.099	0.000
0	140	2.161	2.160	-0.001
0	141	2.098	2.098	0.000
0	142	2.124	2.123	-0.001
3	1	2.234	2.232	-0.002
3	2	2.161	2.160	-0.001
3	3	2.143	2.141	-0.002
3	4	2.196	2.194	-0.002
3	5	2.221	2.220	-0.001
5	6	2.185	2.184	-0.001
5	7	2.194	2.192	-0.002
5	8	2.288	2.287	-0.001
5	9	2.147	2.143	-0.004
5	10	2.221	2.219	-0.002
10	11	2.234	2.232	-0.002
10	12	2.161	2.160	-0.001
10	13	2.143	2.141	-0.002
10	14	2.196	2.193	-0.003
10	15	2.221	2.221	0.000
15	16	2.185	2.184	-0.001
15	17	2.194	2.194	0.000
15	18	2.288	2.286	-0.002
15	19	2.147	2.144	-0.003
15	20	2.221	2.221	0.000
30	89	2.234	2.238	0.004
30	90	2.161	2.162	0.001
30	91	2.143	2.140	-0.003
30	92	2.196	2.194	-0.002
30	93	2.221	2.218	-0.003
35	132	2.185	2.178	-0.007
35	133	2.194	2.196	0.002
35	135	2.288	2.287	-0.001
35	136	2.147	2.142	-0.005
35	137	2.221	2.217	-0.004
50	94	2.105	2.112	0.007
50	95	2.247	2.260	0.013
50	96	2.164	2.155	-0.009
50	97	2.172	2.168	-0.004
50	99	2.195	2.195	0.000
50	100	2.200	2.200	0.000
55	186	2.131	2.127	-0.004
55	187	2.006	2.008	0.002
55	188	2.173	2.176	0.003
55	189	2.168	2.169	0.001
55	190	2.148	2.140	-0.008
100	101	2.264	2.262	-0.002
100	102	2.251	2.245	-0.006
100	103	2.272	2.274	0.002
100	104	2.285	2.268	-0.017
100	105	2.152	2.151	-0.001
100	106	2.155	2.142	-0.013
100	107	2.171	2.158	-0.013
100	108	2.262	2.263	0.001
100	109	2.237	2.234	-0.003
100	110	2.199	2.196	-0.003
100	111	2.160	2.160	0.000
100	112	2.146	2.148	0.002
100	113	2.091	2.093	0.002
100	114	2.269	2.270	0.001
100	115	2.178	2.185	0.007
100	116	2.152	2.161	0.009
100	117	2.241	2.238	-0.003
100	118	2.196	2.194	-0.002
100	119	2.209	2.213	0.004
100	120	2.176	2.172	-0.004
100	121	2.052	2.057	0.005
100	123	2.221	2.214	-0.007
100	124	2.225	2.220	-0.005
105	191	2.196	2.196	0.000
105	192	2.196	2.190	-0.006
105	193	2.118	2.145	0.027
105	194	2.241	2.235	-0.006
105	195	2.154	2.119	-0.035
	Max	2.288	2.287	0.027
	Average	2.187	2.185	-0.002
	Min	2.006	2.008	-0.035
	Std Dev	0.055	0.054	0.007

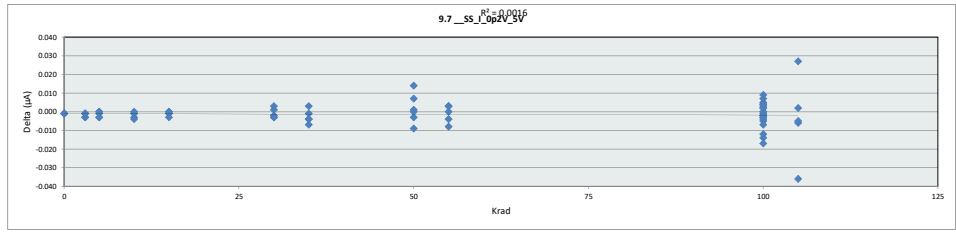


9.6_SS_I_0p2V_3V											
Test Site											
Tester											
Test Number											
Max Limit	3	µA									
Min Limit	1.5	µA									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.098	2.141	2.143	2.141	2.144	2.140	2.142	2.112	2.008	2.057	2.119
Average	2.120	2.189	2.205	2.189	2.206	2.190	2.204	2.182	2.124	2.196	2.177
Max	2.160	2.232	2.287	2.232	2.286	2.238	2.287	2.260	2.176	2.274	2.235
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

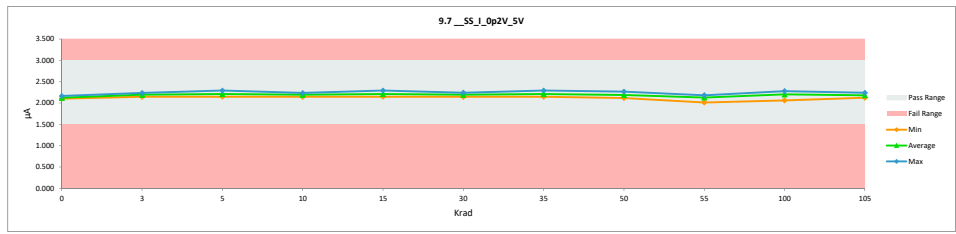


LDR TID Report  
POLARIS - TPS7H4001-SP

9.7 SS_I_0p2V_5V				
Test Site				
Tester				
Test Number				
Unit	µA	µA		
Max Limit	3	3		
Min Limit	1.5	1.5		
Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	2.104	2.103	-0.001
0	140	2.166	2.165	-0.001
0	141	2.103	2.102	-0.001
0	142	2.128	2.127	-0.001
3	1	2.239	2.236	-0.003
3	2	2.165	2.164	-0.001
3	3	2.147	2.146	-0.001
3	4	2.201	2.198	-0.003
3	5	2.226	2.225	-0.001
5	6	2.189	2.189	0.000
5	7	2.198	2.197	-0.001
5	8	2.292	2.292	0.000
5	9	2.151	2.148	-0.003
5	10	2.226	2.223	-0.003
10	11	2.239	2.236	-0.003
10	12	2.147	2.146	-0.001
10	13	2.147	2.146	-0.001
10	14	2.201	2.197	-0.004
10	15	2.226	2.226	0.000
15	16	2.189	2.188	-0.001
15	17	2.198	2.198	0.000
15	18	2.292	2.291	-0.001
15	19	2.151	2.148	-0.003
15	20	2.226	2.226	0.000
30	89	2.239	2.242	0.003
30	90	2.165	2.166	0.001
30	91	2.147	2.145	-0.002
30	92	2.201	2.198	-0.003
30	93	2.226	2.223	-0.003
35	132	2.189	2.182	-0.007
35	133	2.198	2.201	0.003
35	135	2.292	2.291	-0.001
35	136	2.151	2.147	-0.004
35	137	2.226	2.222	-0.004
50	94	2.110	2.117	0.007
50	95	2.251	2.265	0.014
50	96	2.168	2.159	-0.009
50	97	2.176	2.173	-0.003
50	99	2.200	2.200	0.000
50	100	2.204	2.205	0.001
55	186	2.136	2.132	-0.004
55	187	2.010	2.013	0.003
55	188	2.178	2.181	0.003
55	189	2.173	2.173	0.000
55	190	2.152	2.144	-0.008
100	101	2.269	2.267	-0.002
100	102	2.255	2.250	-0.005
100	103	2.276	2.279	0.003
100	104	2.290	2.273	-0.017
100	105	2.156	2.155	-0.001
100	106	2.160	2.146	-0.014
100	107	2.175	2.163	-0.012
100	108	2.268	2.268	0.000
100	109	2.241	2.239	-0.002
100	110	2.204	2.201	-0.003
100	111	2.165	2.165	0.000
100	112	2.151	2.153	0.002
100	113	2.093	2.098	0.005
100	114	2.273	2.275	0.002
100	115	2.183	2.190	0.007
100	116	2.157	2.166	0.009
100	117	2.245	2.243	-0.002
100	118	2.201	2.199	-0.002
100	119	2.214	2.218	0.004
100	120	2.180	2.177	-0.003
100	121	2.057	2.061	0.004
100	123	2.225	2.218	-0.007
100	124	2.229	2.225	-0.004
105	191	2.200	2.202	0.002
105	192	2.201	2.195	-0.006
105	193	2.123	2.150	0.027
105	194	2.245	2.240	-0.005
105	195	2.159	2.123	-0.036
	Max	2.292	2.292	0.027
	Average	2.191	2.190	-0.001
	Min	2.010	2.013	-0.036
	Std Dev	0.055	0.055	0.007

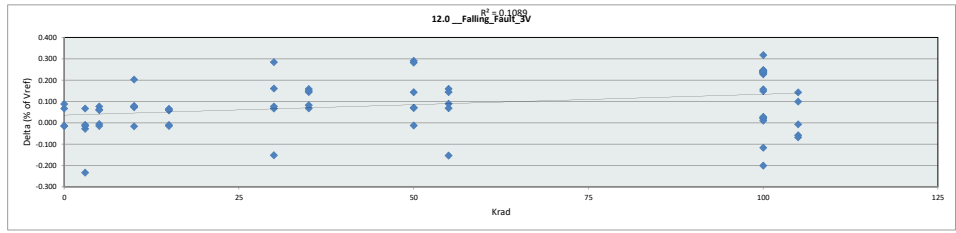


9.7 SS_I_0p2V_5V											
Test Site											
Tester											
Test Number											
Max Limit	3	µA									
Min Limit	1.5	µA									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Min	2.102	2.146	2.148	2.146	2.148	2.145	2.147	2.117	2.013	2.061	2.123
Average	2.124	2.194	2.210	2.194	2.210	2.195	2.209	2.187	2.129	2.201	2.182
Max	2.165	2.236	2.292	2.236	2.291	2.242	2.291	2.265	2.181	2.279	2.240
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

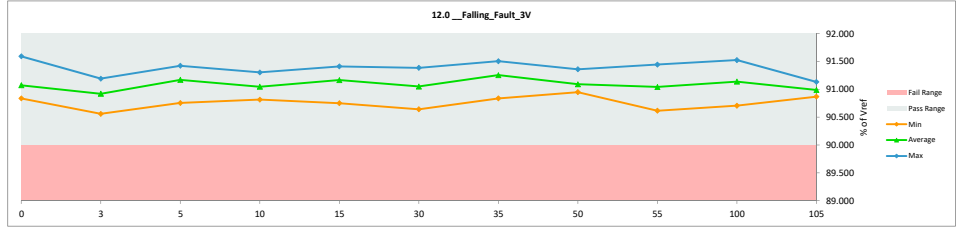


LDR TID Report  
POLARIS - TPS7H4001-SP

12.0_Falling_Fault_3V				
Test Site				
Tester				
Test Number				
Unit		% of Vref	% of Vref	
Max Limit				
Min Limit	90	90		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	90.988	90.973	-0.015
0	140	90.823	90.890	0.067
0	141	91.504	91.592	0.088
0	142	90.852	90.837	-0.015
3	1	91.101	91.073	-0.028
3	2	90.793	90.559	-0.234
3	3	90.987	90.971	-0.015
3	4	91.201	91.191	-0.009
3	5	90.737	90.804	0.067
5	6	91.346	91.422	0.076
5	7	91.308	91.302	-0.006
5	8	91.091	91.076	-0.015
5	9	90.693	90.755	0.063
5	10	91.235	91.295	0.060
10	11	91.101	91.303	0.202
10	12	90.793	90.866	0.073
10	13	90.987	90.970	-0.016
10	14	91.201	91.277	0.077
10	15	90.737	90.816	0.078
15	16	91.346	91.412	0.065
15	17	91.308	91.297	-0.011
15	18	91.091	91.077	-0.015
15	19	90.693	90.750	0.057
15	20	91.235	91.295	0.060
30	89	91.101	91.385	0.284
30	90	90.793	90.641	-0.152
30	91	90.987	91.053	0.067
30	92	91.201	91.361	0.160
30	93	90.737	90.814	0.076
35	132	91.346	91.505	0.159
35	133	91.308	91.376	0.068
35	135	91.091	91.174	0.082
35	136	90.693	90.837	0.144
35	137	91.235	91.385	0.149
50	94	90.739	91.029	0.290
50	95	90.879	90.949	0.070
50	96	90.797	91.078	0.282
50	97	90.935	91.078	0.143
50	99	91.290	91.360	0.070
50	100	91.068	91.055	-0.013
55	186	91.141	91.230	0.090
55	187	91.286	91.445	0.159
55	188	90.471	90.615	0.144
55	189	91.185	91.031	-0.154
55	190	90.820	90.888	0.068
100	101	91.361	91.244	-0.117
100	102	91.212	91.232	0.020
100	103	90.846	91.091	0.245
100	104	90.770	91.013	0.243
100	105	91.097	91.336	0.239
100	106	91.361	91.385	0.024
100	107	90.676	90.918	0.242
100	108	91.232	91.252	0.020
100	109	91.290	91.525	0.235
100	110	90.962	91.206	0.244
100	111	90.774	91.091	0.317
100	112	90.935	90.945	0.010
100	113	91.296	91.523	0.227
100	114	91.099	91.332	0.233
100	115	90.988	91.222	0.234
100	116	90.821	90.970	0.149
100	117	90.726	90.754	0.028
100	118	90.882	91.118	0.236
100	119	91.204	91.004	-0.201
100	120	90.549	90.706	0.157
100	121	91.037	91.284	0.247
100	123	90.630	90.867	0.237
100	124	90.905	91.148	0.243
105	191	91.095	91.036	-0.059
105	192	90.990	91.133	0.143
105	193	90.882	90.874	-0.008
105	194	90.937	90.869	-0.068
105	195	90.935	91.034	0.099
	Max	91.504	91.592	0.317
	Average	91.010	91.099	0.088
	Min	90.471	90.559	-0.234
	Std Dev	0.233	0.241	0.122

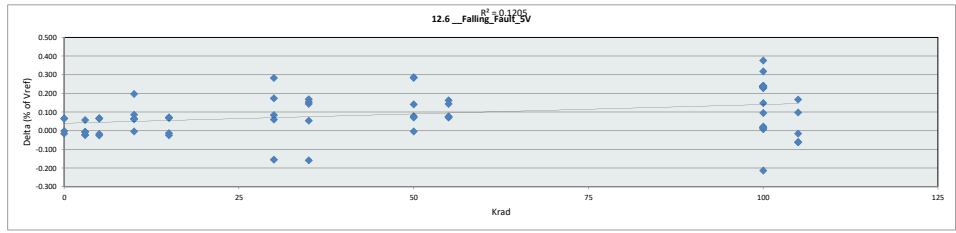


12.0_Falling_Fault_3V										
Test Site										
Tester										
Test Number										
Max Limit			% of Vref							
Min Limit	90		% of Vref							
Krad	0	5	10	15	30	35	50	55	100	105
LL	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000
Min	90.837	90.559	90.755	90.816	90.750	90.641	90.837	90.949	90.615	90.706
Average	91.073	90.920	91.170	91.046	91.166	91.051	91.255	91.092	91.042	91.138
Max	91.592	91.191	91.422	91.303	91.412	91.385	91.505	91.360	91.445	91.525
UL										

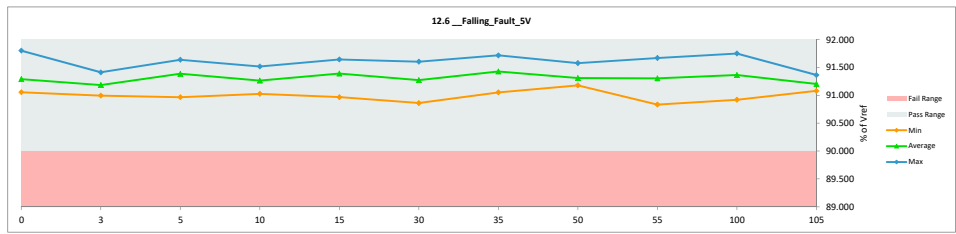


LDR TID Report  
POLARIS - TPS7H4001-SP

12.6 _Falling_Fault_5V				
Test Site	Tester	Test Number	Unit	
			% of Vref	% of Vref
Max Limit	90	90		
Min Limit	90	90		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	91.199	91.197	-0.002
0	140	91.042	91.109	0.067
0	141	91.736	91.801	0.065
0	142	91.070	91.055	-0.015
3	1	91.321	91.299	-0.022
3	2	91.017	90.994	-0.022
3	3	91.197	91.191	-0.006
3	4	91.419	91.413	-0.006
3	5	90.966	91.023	0.058
5	6	91.573	91.638	0.065
5	7	91.536	91.519	-0.017
5	8	91.319	91.295	-0.024
5	9	90.899	90.966	0.066
5	10	91.448	91.516	0.067
10	11	91.321	91.518	0.197
10	12	91.017	91.082	0.065
10	13	91.197	91.194	-0.003
10	14	91.419	91.505	0.086
10	15	90.966	91.027	0.062
15	16	91.573	91.645	0.071
15	17	91.536	91.523	-0.013
15	18	91.319	91.295	-0.024
15	19	90.899	90.968	0.069
15	20	91.448	91.520	0.071
30	89	91.321	91.604	0.283
30	90	91.017	90.862	-0.155
30	91	91.197	91.281	0.084
30	92	91.419	91.592	0.174
30	93	90.966	91.025	0.060
35	132	91.573	91.717	0.144
35	133	91.536	91.378	-0.159
35	135	91.319	91.374	0.054
35	136	90.899	91.053	0.154
35	137	91.448	91.617	0.169
50	94	90.956	91.242	0.286
50	95	91.101	91.179	0.078
50	96	91.013	91.297	0.284
50	97	91.152	91.293	0.142
50	99	91.507	91.578	0.072
50	100	91.284	91.281	-0.004
55	186	91.370	91.447	0.077
55	187	91.506	91.669	0.163
55	188	90.689	90.833	0.144
55	189	91.396	91.467	0.071
55	190	91.039	91.114	0.074
100	101	91.370	91.465	0.095
100	102	91.426	91.443	0.017
100	103	91.066	91.306	0.240
100	104	90.987	91.224	0.238
100	105	91.316	91.553	0.238
100	106	91.592	91.615	0.023
100	107	91.128	91.136	0.008
100	108	91.452	91.469	0.017
100	109	91.510	91.751	0.241
100	110	91.183	91.417	0.234
100	111	90.988	91.306	0.318
100	112	91.142	91.156	0.014
100	113	91.510	91.740	0.230
100	114	91.321	91.551	0.230
100	115	91.204	91.443	0.238
100	116	91.040	91.416	0.376
100	117	90.960	90.977	0.017
100	118	91.099	91.332	0.233
100	119	91.421	91.207	-0.213
100	120	90.772	90.920	0.148
100	121	91.264	91.504	0.240
100	123	90.850	91.086	0.236
100	124	91.130	91.366	0.236
105	191	91.310	91.250	-0.060
105	192	91.197	91.364	0.167
105	193	91.097	91.082	-0.015
105	194	91.142	91.080	-0.062
105	195	91.150	91.248	0.098
	Max	91.736	91.801	0.376
	Average	91.230	91.323	0.094
	Min	90.689	90.833	-0.213
	Std Dev	0.228	0.235	0.118

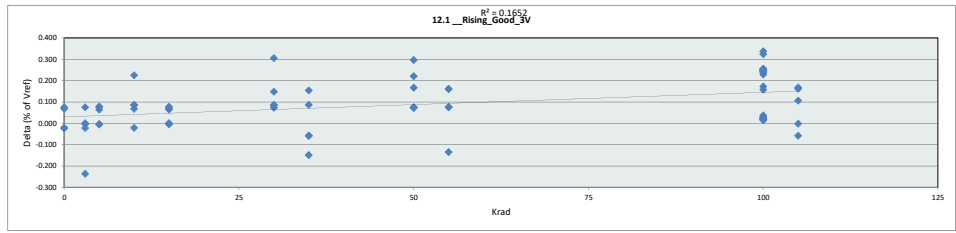


12.6 _Falling_Fault_5V										
Test Site	Tester	Test Number	Unit							
			% of Vref	% of Vref						
Max Limit	90	90								
Min Limit	90	90								
Krad	0	5	10	15	30	35	50	55	100	105
LL	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000
Min	91.055	90.994	90.966	91.027	90.968	90.862	91.053	91.179	90.833	90.920
Average	91.290	91.184	91.387	91.265	91.390	91.273	91.428	91.312	91.306	91.365
Max	91.801	91.413	91.638	91.518	91.645	91.604	91.717	91.578	91.669	91.751
UL										

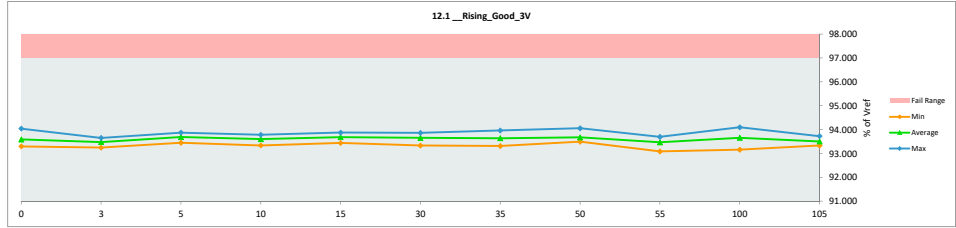


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12.1_Rising_Good_3V				
Test Site				
Tester				
Test Number				
Unit	% of Vref	% of Vref		
Max Limit	97	97		
Min Limit				
Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	93.457	93.432	-0.024
0	140	93.510	93.585	0.075
0	141	93.973	94.040	0.067
0	142	93.317	93.296	-0.021
3	1	93.555	93.555	0.000
3	2	93.249	93.245	-0.004
3	3	93.674	93.438	-0.237
3	4	93.674	93.652	-0.022
3	5	93.415	93.490	0.075
5	6	93.810	93.874	0.063
5	7	93.787	93.783	-0.004
5	8	93.555	93.550	-0.006
5	9	93.369	93.445	0.076
5	10	93.701	93.780	0.079
10	11	93.555	93.780	0.225
10	12	93.249	93.335	0.086
10	13	93.674	93.653	-0.022
10	14	93.674	93.742	0.068
10	15	93.415	93.500	0.085
15	16	93.810	93.874	0.064
15	17	93.787	93.782	-0.005
15	18	93.555	93.556	0.000
15	19	93.369	93.440	0.071
15	20	93.701	93.778	0.077
30	89	93.555	93.861	0.305
30	90	93.249	93.333	0.084
30	91	93.674	93.748	0.073
30	92	93.674	93.822	0.148
30	93	93.415	93.501	0.086
35	132	93.810	93.964	0.154
35	133	93.787	93.638	-0.149
35	135	93.555	93.642	0.086
35	136	93.369	93.311	-0.058
35	137	93.701	93.642	-0.059
50	94	93.198	93.494	0.296
50	95	93.253	93.628	0.375
50	96	93.481	93.555	0.075
50	97	93.393	93.559	0.166
50	99	93.985	94.057	0.072
50	100	93.531	93.751	0.220
55	186	93.619	93.694	0.075
55	187	93.535	93.696	0.161
55	188	92.924	93.086	0.161
55	189	93.640	93.505	-0.135
55	190	93.284	93.360	0.076
100	101	93.619	93.943	0.324
100	102	93.881	93.910	0.029
100	103	93.309	93.565	0.255
100	104	93.453	93.697	0.244
100	105	93.567	93.806	0.240
100	106	94.059	94.096	0.037
100	107	93.373	93.392	0.018
100	108	93.484	93.731	0.247
100	109	93.764	93.993	0.229
100	110	93.425	93.665	0.240
100	111	93.224	93.561	0.337
100	112	93.397	93.422	0.026
100	113	93.989	94.009	0.020
100	114	93.565	93.816	0.251
100	115	93.447	93.697	0.250
100	116	93.510	93.683	0.172
100	117	93.200	93.217	0.018
100	118	93.563	93.583	0.021
100	119	93.676	93.692	0.015
100	120	93.002	93.160	0.158
100	121	93.503	93.520	0.016
100	123	93.086	93.331	0.245
100	124	93.367	93.619	0.251
105	191	93.563	93.724	0.161
105	192	93.453	93.620	0.168
105	193	93.337	93.335	-0.002
105	194	93.391	93.333	-0.058
105	195	93.395	93.501	0.106
Max		94.059	94.096	0.337
Average		93.526	93.617	0.092
Min		92.924	93.086	-0.237
Std Dev		0.225	0.222	0.116



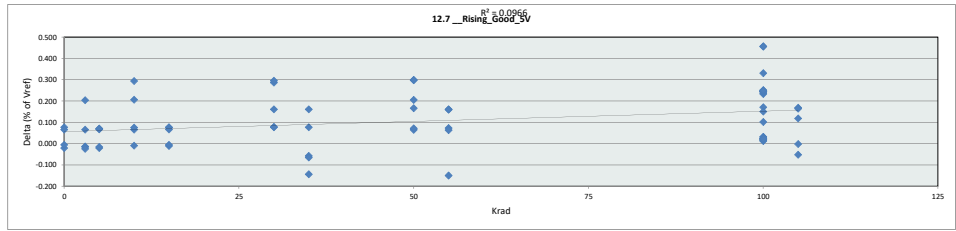
12.1_Rising_Good_3V												
Test Site												
Tester												
Test Number												
Max Limit	97	% of Vref										
Min Limit		% of Vref										
Krad	0	3	5	10	15	30	35	50	55	100	105	
LL												
Min	93.296	93.245	93.445	93.335	93.440	93.333	93.311	93.494	93.086	93.160	93.333	
Average	93.589	93.476	93.686	93.602	93.686	93.653	93.639	93.674	93.468	93.657	93.503	
Max	94.040	93.652	93.874	93.780	93.874	93.861	93.964	94.057	93.696	94.096	93.724	
UL	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	



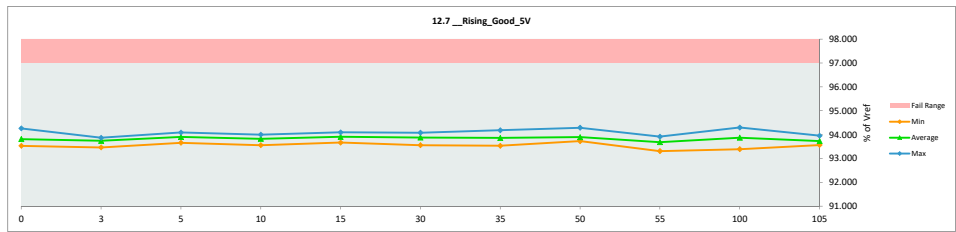


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12.7_Rising_Good_5V				
Test Site				
Tester				
Test Number				
Unit		% of Vref	% of Vref	
Max Limit		97	97	
Min Limit				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	93.674	93.654	-0.021
0	140	93.726	93.803	0.077
0	141	94.193	94.259	0.066
0	142	93.533	93.527	-0.006
3	1	93.789	93.776	-0.013
3	2	93.258	93.462	0.204
3	3	93.881	93.866	-0.015
3	4	93.889	93.865	-0.024
3	5	93.653	93.718	0.066
5	6	94.019	94.088	0.069
5	7	94.008	93.987	-0.021
5	8	93.787	93.772	-0.015
5	9	93.589	93.656	0.067
5	10	93.923	93.995	0.071
10	11	93.789	93.995	0.206
10	12	93.258	93.552	0.294
10	13	93.881	93.872	-0.009
10	14	93.889	93.955	0.066
10	15	93.653	93.728	0.076
15	16	94.019	94.094	0.075
15	17	94.008	93.997	-0.011
15	18	93.787	93.782	-0.005
15	19	93.589	93.666	0.077
15	20	93.923	93.990	0.066
30	89	93.789	94.076	0.287
30	90	93.258	93.554	0.295
30	91	93.881	93.960	0.079
30	92	93.889	94.050	0.161
30	93	93.653	93.730	0.077
35	132	94.019	94.180	0.161
35	133	94.008	93.864	-0.143
35	135	93.787	93.864	0.077
35	136	93.589	93.531	-0.057
35	137	93.923	93.859	-0.065
50	94	93.428	93.726	0.298
50	95	93.771	93.836	0.065
50	96	93.475	93.774	0.299
50	97	93.615	93.782	0.167
50	99	94.215	94.287	0.072
50	100	93.751	93.956	0.205
55	186	93.837	93.910	0.073
55	187	93.751	93.912	0.161
55	188	93.144	93.304	0.160
55	189	93.873	93.724	-0.149
55	190	93.503	93.567	0.063
100	101	93.845	93.947	0.102
100	102	94.109	94.121	0.013
100	103	93.540	93.787	0.247
100	104	93.676	93.701	0.024
100	105	93.787	94.033	0.246
100	106	94.274	94.294	0.021
100	107	93.595	93.610	0.015
100	108	93.703	93.954	0.251
100	109	93.760	94.217	0.457
100	110	93.643	93.876	0.233
100	111	93.447	93.778	0.330
100	112	93.615	93.647	0.032
100	113	94.215	94.233	0.019
100	114	93.789	94.033	0.244
100	115	93.678	93.916	0.237
100	116	93.728	93.899	0.171
100	117	93.417	93.448	0.031
100	118	93.793	93.816	0.023
100	119	93.894	93.918	0.023
100	120	93.235	93.385	0.150
100	121	93.501	93.745	0.244
100	123	93.309	93.559	0.250
100	124	93.589	94.044	0.455
105	191	93.783	93.952	0.169
105	192	93.667	93.831	0.164
105	193	93.561	93.559	-0.002
105	194	93.617	93.565	-0.052
105	195	93.609	93.728	0.118
	Max	94.274	94.294	0.457
	Average	93.730	93.837	0.107
	Min	93.144	93.304	-0.149
	Std Dev	0.240	0.218	0.126

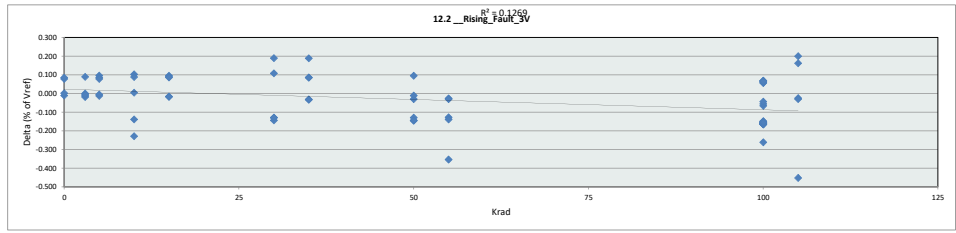


12.7_Rising_Good_5V											
Test Site											
Tester											
Test Number											
Max Limit	97										
Min Limit		% of Vref									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	93.527	93.462	93.656	93.552	93.666	93.554	93.531	93.726	93.304	93.385	93.559
Average	93.811	93.737	93.900	93.820	93.906	93.874	93.860	93.893	93.683	93.868	93.727
Max	94.259	93.866	94.088	93.995	94.094	94.076	94.180	94.287	93.912	94.294	93.952
UL	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000	97.000

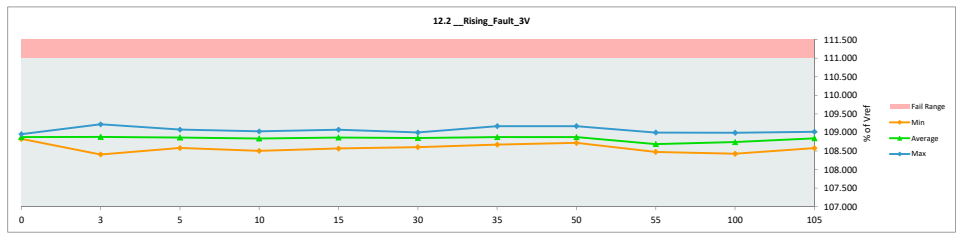


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12.2_Rising_Fault_3V				
Test Site				
Tester				
Test Number				
Unit	% of Vref	% of Vref		
Max Limit	111	111		
Min Limit				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	108.862	108.851	-0.011
0	140	108.788	108.865	0.077
0	141	108.742	108.826	0.085
0	142	108.952	108.954	0.002
3	1	108.798	108.798	0.000
3	2	108.928	108.915	-0.013
3	3	109.088	109.069	-0.019
3	4	108.415	108.408	-0.008
3	5	109.130	109.218	0.089
5	6	108.981	109.076	0.096
5	7	108.814	108.801	-0.013
5	8	108.586	108.581	-0.006
5	9	108.765	108.849	0.084
5	10	108.937	109.014	0.077
10	11	108.798	108.802	0.004
10	12	108.928	109.030	0.102
10	13	109.088	108.859	-0.229
10	14	108.415	108.504	0.088
10	15	109.130	108.990	-0.139
15	16	108.981	109.075	0.094
15	17	108.814	108.798	-0.016
15	18	108.586	108.568	-0.018
15	19	108.765	108.853	0.089
15	20	108.937	109.022	0.085
30	89	108.798	108.905	0.107
30	90	108.928	108.798	-0.130
30	91	109.088	108.943	-0.144
30	92	108.415	108.604	0.189
30	93	109.130	109.000	-0.130
35	132	108.981	109.169	0.188
35	133	108.814	108.900	0.085
35	135	108.586	108.671	0.085
35	136	108.765	108.733	-0.032
35	137	108.937	108.903	-0.034
50	94	108.901	108.996	0.094
50	95	108.921	108.775	-0.146
50	96	108.926	108.796	-0.130
50	97	108.828	108.798	-0.030
50	99	108.863	108.719	-0.144
50	100	109.180	109.169	-0.011
55	186	108.830	108.476	-0.354
55	187	108.732	108.706	-0.027
55	188	108.761	108.731	-0.030
55	189	109.126	108.998	-0.128
55	190	108.666	108.527	-0.139
100	101	109.058	108.992	-0.066
100	102	108.637	108.705	0.069
100	103	108.962	108.813	-0.149
100	104	108.862	108.713	-0.149
100	105	108.590	108.648	0.057
100	106	109.065	108.901	-0.164
100	107	108.886	108.720	-0.165
100	108	108.935	108.778	-0.157
100	109	108.732	108.571	-0.161
100	110	108.797	108.639	-0.158
100	111	108.639	108.583	-0.056
100	112	108.838	108.894	0.056
100	113	108.863	108.701	-0.162
100	114	109.037	108.872	-0.165
100	115	109.088	108.926	-0.162
100	116	108.570	108.526	-0.044
100	117	108.903	108.749	-0.154
100	118	108.592	108.426	-0.166
100	119	108.860	108.926	0.065
100	120	108.866	108.604	-0.262
100	121	108.885	108.952	0.067
100	123	108.734	108.799	0.065
100	124	108.763	108.608	-0.155
105	191	108.805	109.005	0.200
105	192	108.637	108.612	-0.025
105	193	109.030	108.577	-0.453
105	194	109.048	109.018	-0.030
105	195	108.838	108.999	0.162
	Max	109.180	109.218	0.200
	Average	108.848	108.812	-0.036
	Min	108.415	108.408	-0.453
	Std Dev	0.177	0.185	0.127

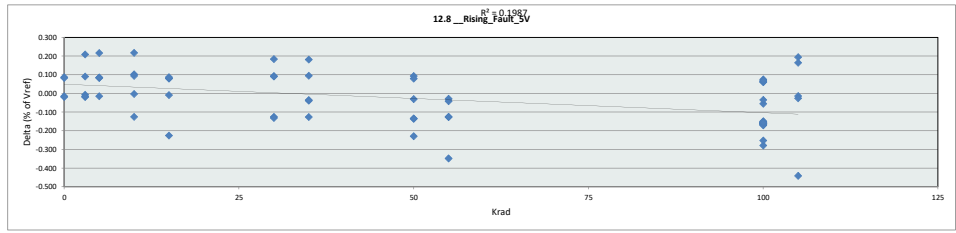


12.2_Rising_Fault_3V										
Test Site										
Tester										
Test Number										
Max Limit	111	% of Vref								
Min Limit		% of Vref								
Krad	0	5	10	15	30	35	50	55	100	105
LL										
Min	108.826	108.408	108.581	108.504	108.568	108.605	108.671	108.719	108.476	108.426
Average	108.874	108.881	108.864	108.837	108.863	108.850	108.875	108.875	108.687	108.741
Max	108.954	109.218	109.076	109.030	109.075	109.000	109.169	109.169	108.998	108.992
UL	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000

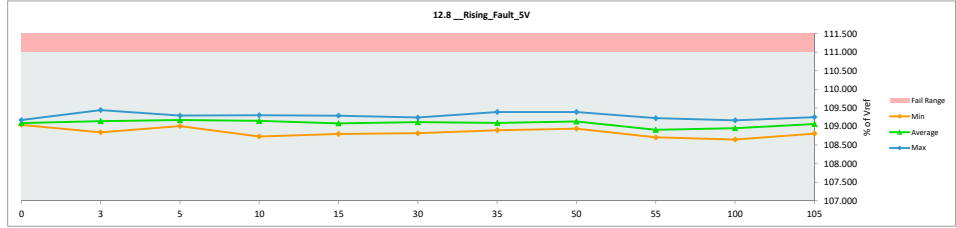


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12.8_Rising_Fault_5V				
Test Site				
Tester				
Test Number				
Unit	% of Vref	% of Vref		
Max Limit	111	111		
Min Limit				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	109.080	109.065	-0.015
0	140	109.001	109.088	0.087
0	141	108.962	109.045	0.083
0	142	109.191	109.172	-0.019
3	1	109.030	109.011	-0.019
3	2	109.150	109.143	-0.008
3	3	109.306	109.289	-0.017
3	4	108.635	108.843	0.208
3	5	109.350	109.441	0.091
5	6	109.210	109.292	0.083
5	7	109.026	109.243	0.217
5	8	109.026	109.011	-0.015
5	9	108.990	109.075	0.085
5	10	109.158	109.243	0.085
10	11	109.030	109.247	0.217
10	12	109.150	109.252	0.102
10	13	109.306	109.302	-0.003
10	14	108.635	108.729	0.094
10	15	109.350	109.225	-0.126
15	16	109.210	109.289	0.080
15	17	109.026	109.017	-0.009
15	18	109.026	108.800	-0.226
15	19	108.990	109.071	0.081
15	20	109.158	109.245	0.088
30	89	109.030	109.122	0.093
30	90	109.150	109.241	0.091
30	91	109.306	109.180	-0.125
30	92	108.635	108.819	0.184
30	93	109.350	109.219	-0.132
35	132	109.210	109.391	0.181
35	133	109.026	109.120	0.095
35	135	109.026	108.900	-0.126
35	136	108.990	108.951	-0.039
35	137	109.158	109.122	-0.035
50	94	109.124	109.217	0.093
50	95	109.136	109.215	0.079
50	96	109.156	109.020	-0.135
50	97	109.056	109.026	-0.030
50	99	109.077	108.942	-0.134
50	100	109.618	109.389	-0.229
55	186	109.056	108.707	-0.348
55	187	108.952	108.924	-0.028
55	188	108.986	108.945	-0.041
55	189	109.350	109.224	-0.126
55	190	108.885	108.759	-0.126
100	101	109.274	108.995	-0.279
100	102	108.864	108.926	0.062
100	103	109.184	109.027	-0.156
100	104	109.084	108.933	-0.151
100	105	108.809	108.872	0.064
100	106	109.278	109.120	-0.158
100	107	109.105	108.937	-0.168
100	108	109.163	108.999	-0.164
100	109	108.962	108.799	-0.162
100	110	109.024	108.866	-0.158
100	111	108.860	108.805	-0.055
100	112	109.054	109.129	0.075
100	113	109.081	108.918	-0.163
100	114	109.256	109.092	-0.164
100	115	109.311	109.150	-0.161
100	116	108.780	108.746	-0.035
100	117	109.124	108.975	-0.149
100	118	108.807	108.648	-0.159
100	119	109.317	109.146	-0.171
100	120	109.078	108.826	-0.252
100	121	109.104	109.165	0.060
100	123	108.958	109.027	0.069
100	124	108.982	108.826	-0.156
105	191	109.030	109.224	0.194
105	192	108.853	108.839	-0.014
105	193	109.248	108.807	-0.441
105	194	109.278	109.252	-0.026
105	195	109.048	109.213	0.164
	Max	109.618	109.441	0.217
	Average	109.085	109.053	-0.032
	Min	108.635	108.648	-0.441
	Std Dev	0.179	0.185	0.140

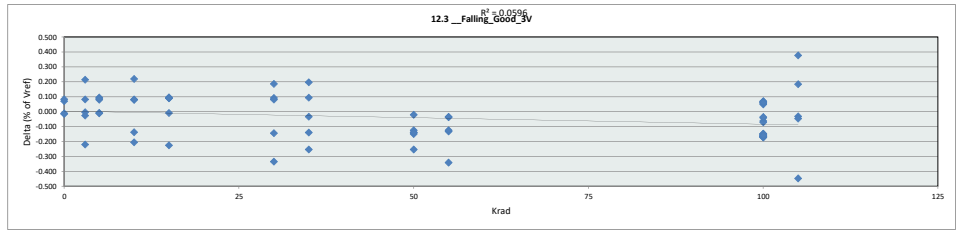


12.8_Rising_Fault_5V										
Test Site										
Tester										
Test Number										
Max Limit	111	% of Vref								
Min Limit		% of Vref								
Krad	0	5	10	15	30	35	50	55	100	105
LL										
Min	109.045	108.844	109.011	108.729	108.800	108.819	108.900	108.943	108.708	108.648
Average	109.093	109.145	109.173	109.151	109.085	109.116	109.097	109.135	108.912	108.953
Max	109.172	109.441	109.292	109.302	109.289	109.241	109.391	109.389	109.224	109.165
UL	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000	111.000

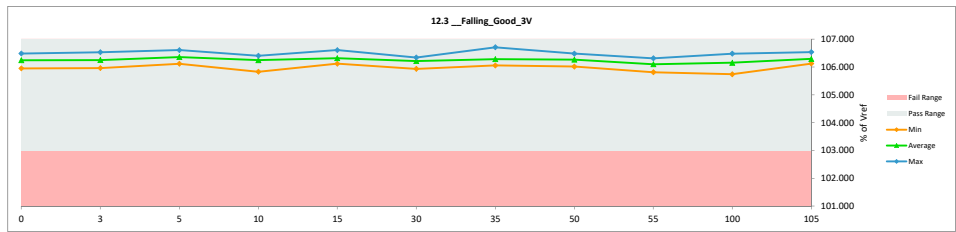


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12.3 _Falling_Good_3V				
Test Site				
Tester				
Test Number				
Unit	% of Vref	% of Vref		
Max Limit				
Min Limit	103	103		
Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	106.398	106.383	-0.015
0	140	105.875	105.946	0.071
0	141	106.061	106.145	0.084
0	142	106.495	106.484	-0.011
3	1	106.126	106.122	-0.004
3	2	106.259	106.232	-0.026
3	3	106.606	106.386	-0.220
3	4	105.746	105.960	0.214
3	5	106.446	106.529	0.083
5	6	106.511	106.606	0.095
5	7	106.347	106.339	-0.008
5	8	106.126	106.115	-0.011
5	9	106.088	106.169	0.080
5	10	106.468	106.554	0.086
10	11	106.126	106.345	0.219
10	12	106.259	106.338	0.079
10	13	106.606	106.402	-0.204
10	14	105.746	105.828	0.082
10	15	106.446	106.308	-0.138
15	16	106.511	106.607	0.096
15	17	106.347	106.121	-0.226
15	18	106.126	106.117	-0.009
15	19	106.088	106.178	0.090
15	20	106.468	106.558	0.091
30	89	106.126	106.218	0.092
30	90	106.259	106.340	0.081
30	91	106.606	106.271	-0.335
30	92	105.746	105.932	0.186
30	93	106.446	106.303	-0.144
35	132	106.511	106.708	0.197
35	133	106.347	106.207	-0.140
35	135	106.126	106.220	0.094
35	136	106.088	106.055	-0.033
35	137	106.468	106.214	-0.253
50	94	106.455	106.306	-0.149
50	95	106.461	106.323	-0.139
50	96	106.459	106.334	-0.125
50	97	106.374	106.121	-0.254
50	99	106.155	106.014	-0.141
50	100	106.501	106.480	-0.020
55	186	106.150	105.809	-0.342
55	187	106.277	106.240	-0.037
55	188	106.301	106.266	-0.035
55	189	106.442	106.310	-0.132
55	190	105.986	105.862	-0.125
100	101	106.370	106.308	-0.063
100	102	106.185	106.023	-0.162
100	103	106.275	106.126	-0.149
100	104	106.185	106.019	-0.166
100	105	106.130	106.186	0.056
100	106	106.376	106.206	-0.170
100	107	106.196	106.245	0.049
100	108	106.468	106.317	-0.151
100	109	106.068	105.902	-0.166
100	110	106.109	106.172	0.063
100	111	105.969	105.898	-0.071
100	112	106.152	105.991	-0.161
100	113	106.384	106.212	-0.172
100	114	106.573	106.406	-0.167
100	115	106.608	106.456	-0.152
100	116	106.096	106.055	-0.041
100	117	106.220	106.290	0.070
100	118	105.907	105.738	-0.169
100	119	106.178	106.247	0.069
100	120	106.182	106.146	-0.035
100	121	106.418	106.478	0.061
100	123	106.275	106.128	-0.147
100	124	106.090	105.930	-0.160
105	191	106.349	106.317	-0.031
105	192	105.965	106.150	0.185
105	193	106.567	106.120	-0.447
105	194	106.380	106.334	-0.046
105	195	106.156	106.533	0.377
	Max	106.608	106.708	0.377
	Average	106.266	106.222	-0.043
	Min	105.746	105.738	-0.008
	Std Dev	0.214	0.205	0.147

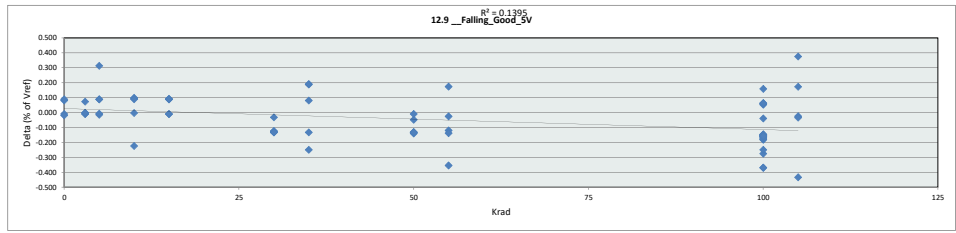


12.3 _Falling_Good_3V										
Test Site										
Tester										
Test Number										
Max Limit		% of Vref								
Min Limit	103	% of Vref								
Krad	0	5	10	15	30	35	50	55	100	105
LL	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000
Min	105.946	105.960	106.115	105.828	106.117	105.932	106.055	106.014	105.809	105.738
Average	106.239	106.246	106.357	106.244	106.316	106.213	106.281	106.263	106.097	106.151
Max	106.484	106.529	106.606	106.402	106.607	106.340	106.708	106.480	106.310	106.478
UL										

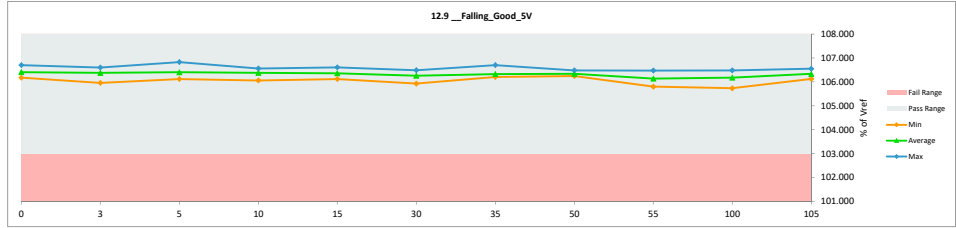


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12.9 _Falling_Good_5V				
Test Site				
Tester				
Test Number				
Unit	% of Vref	% of Vref		
Max Limit				
Min Limit	103	103		
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	106.392	106.383	-0.009
0	140	106.094	106.175	0.081
0	141	106.273	106.363	0.090
0	142	106.721	106.702	-0.019
3	1	106.347	106.345	-0.002
3	2	106.464	106.455	-0.010
3	3	106.610	106.601	-0.009
3	4	105.958	105.956	-0.002
3	5	106.448	106.521	0.073
5	6	106.515	106.828	0.313
5	7	106.350	106.335	-0.015
5	8	106.126	106.118	-0.008
5	9	106.085	106.174	0.089
5	10	106.468	106.556	0.088
10	11	106.347	106.343	-0.003
10	12	106.464	106.558	0.094
10	13	106.610	106.387	-0.223
10	14	105.958	106.057	0.099
10	15	106.448	106.537	0.089
15	16	106.515	106.607	0.092
15	17	106.350	106.340	-0.011
15	18	106.126	106.117	-0.009
15	19	106.085	106.173	0.088
15	20	106.468	106.557	0.089
30	89	106.347	106.214	-0.132
30	90	106.464	106.340	-0.125
30	91	106.610	106.486	-0.124
30	92	105.958	105.926	-0.032
30	93	106.448	106.316	-0.132
35	132	106.515	106.702	0.188
35	133	106.350	106.218	-0.132
35	135	106.126	106.207	0.081
35	136	106.085	106.275	0.190
35	137	106.468	106.218	-0.250
50	94	106.442	106.312	-0.131
50	95	106.450	106.317	-0.133
50	96	106.473	106.334	-0.140
50	97	106.380	106.332	-0.048
50	99	106.380	106.247	-0.133
50	100	106.489	106.480	-0.009
55	186	106.154	105.799	-0.355
55	187	106.273	106.247	-0.026
55	188	106.301	106.475	0.174
55	189	106.437	106.317	-0.119
55	190	105.990	105.852	-0.138
100	101	106.587	106.312	-0.275
100	102	106.184	106.019	-0.164
100	103	106.281	106.124	-0.157
100	104	106.178	106.033	-0.145
100	105	106.132	106.184	0.053
100	106	106.370	106.221	-0.149
100	107	106.421	106.239	-0.181
100	108	106.462	106.313	-0.149
100	109	106.059	106.122	0.064
100	110	106.109	106.167	0.058
100	111	105.967	106.126	0.159
100	112	106.374	106.210	-0.164
100	113	106.386	106.208	-0.178
100	114	106.782	106.413	-0.369
100	115	106.612	106.456	-0.155
100	116	106.096	106.057	-0.039
100	117	106.216	106.278	0.062
100	118	105.906	105.733	-0.173
100	119	106.396	106.242	-0.154
100	120	106.400	106.150	-0.249
100	121	106.643	106.482	-0.161
100	123	106.277	106.118	-0.158
100	124	106.302	105.934	-0.369
105	191	106.345	106.321	-0.024
105	192	106.180	106.146	-0.034
105	193	106.558	106.124	-0.434
105	194	106.378	106.550	0.173
105	195	106.158	106.533	0.375
	Max	106.782	106.828	0.375
	Average	106.330	106.282	-0.048
	Min	105.906	105.733	-0.434
	Std Dev	0.199	0.213	0.154



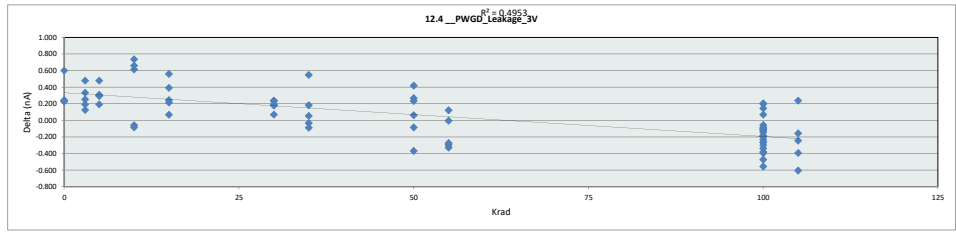
12.9 _Falling_Good_5V										
Test Site										
Tester										
Test Number										
Max Limit		% of Vref								
Min Limit	103	% of Vref								
Krad	0	5	10	15	30	35	50	55	100	105
LL	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000	103.000
Min	106.175	105.956	106.119	106.057	106.117	105.927	106.207	106.247	105.799	105.733
Average	106.406	106.376	106.402	106.377	106.359	106.256	106.324	106.337	106.138	106.180
Max	106.702	106.601	106.828	106.558	106.607	106.486	106.702	106.480	106.475	106.482
UL										



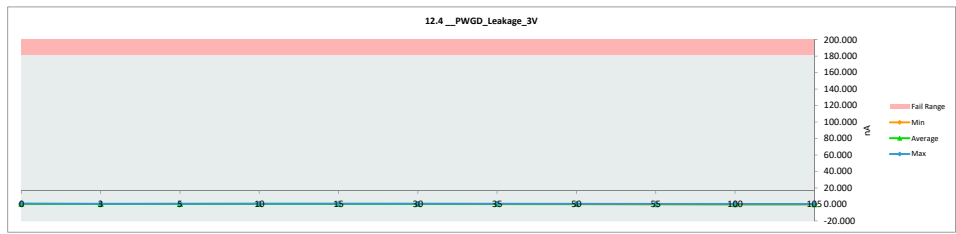
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12.4 _PWGD_Leakage_3V	
Test Site	
Tester	
Test Number	
Unit	nA nA
Max Limit	181 181
Min Limit	

Krad	Serial #	PRE LDR	POST LDR	Delta
0	139	0.631	0.862	0.231
0	140	0.517	0.846	0.229
0	141	0.208	0.454	0.246
0	142	0.228	0.829	0.601
3	1	0.263	0.741	0.478
3	2	0.557	0.751	0.194
3	3	0.220	0.473	0.253
3	4	0.182	0.515	0.333
3	5	0.584	0.709	0.125
5	6	0.556	0.852	0.296
5	7	0.274	0.753	0.479
5	8	0.247	0.441	0.194
5	9	0.459	0.768	0.309
5	10	0.512	0.809	0.298
10	11	0.263	0.923	0.659
10	12	0.557	0.501	-0.056
10	13	0.220	0.834	0.614
10	14	0.182	0.919	0.737
10	15	0.584	0.501	-0.084
15	16	0.556	0.771	0.215
15	17	0.274	0.664	0.391
15	18	0.247	0.807	0.560
15	19	0.459	0.526	0.067
15	20	0.512	0.757	0.246
30	89	0.263	0.456	0.192
30	90	0.557	0.734	0.177
30	91	0.220	0.460	0.240
30	92	0.182	0.415	0.233
30	93	0.584	0.653	0.069
35	132	0.556	0.611	0.055
35	133	0.274	0.821	0.547
35	135	0.247	0.430	0.183
35	136	0.459	0.426	-0.033
35	137	0.512	0.423	-0.088
50	94	0.272	0.690	0.418
50	95	0.454	0.516	0.061
50	96	0.586	0.217	-0.369
50	97	0.600	0.516	-0.084
50	99	0.221	0.489	0.268
50	100	0.350	0.583	0.233
55	186	0.640	0.312	-0.328
55	187	0.518	0.639	0.121
55	188	0.568	0.271	-0.297
55	189	0.238	0.235	-0.003
55	190	0.532	0.259	-0.272
100	101	0.203	0.349	0.145
100	102	0.345	0.112	-0.233
100	103	0.354	0.090	-0.263
100	104	0.195	0.395	0.199
100	105	0.210	0.280	0.070
100	106	0.515	0.120	-0.395
100	107	0.287	0.180	-0.108
100	108	0.215	-0.049	-0.264
100	109	0.612	0.234	-0.379
100	110	0.427	0.244	-0.184
100	111	0.214	0.116	-0.098
100	112	0.496	0.353	-0.143
100	113	0.437	-0.035	-0.473
100	114	0.225	0.028	-0.197
100	115	0.225	0.429	0.204
100	116	0.403	0.104	-0.299
100	117	0.222	0.033	-0.189
100	118	0.604	0.049	-0.555
100	119	0.259	0.070	-0.189
100	120	0.319	0.197	-0.121
100	121	0.350	0.013	-0.337
100	123	0.385	0.330	-0.055
100	124	0.616	0.533	-0.083
105	191	0.333	-0.061	-0.394
105	192	0.204	0.047	-0.157
105	193	0.607	0.363	-0.244
105	194	0.596	-0.009	-0.605
105	195	0.222	0.459	0.238
	Max	0.640	0.923	0.737
	Average	0.388	0.440	0.052
	Min	0.182	-0.061	-0.605
	Std Dev	0.157	0.279	0.306

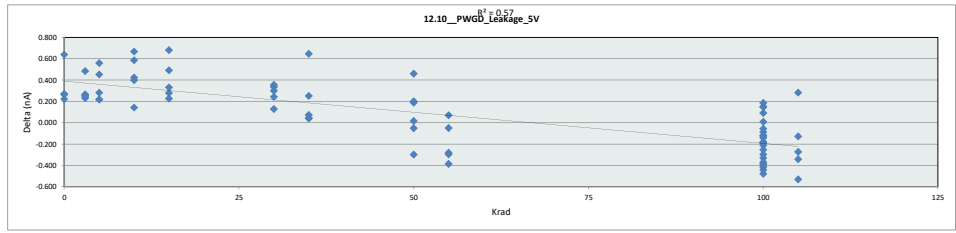


12.4 _PWGD_Leakage_3V	
Test Site	
Tester	
Test Number	
Max Limit	181 nA
Min Limit	nA
Krad	0 3 5 10 15 30 35 50 55 100 105
LL	
Min	0.454 0.473 0.441 0.501 0.526 0.415 0.423 0.217 0.235 -0.049 -0.061
Average	0.748 0.638 0.725 0.735 0.705 0.544 0.542 0.502 0.343 0.181 0.160
Max	0.862 0.751 0.852 0.923 0.807 0.734 0.821 0.690 0.639 0.533 0.459
UL	181.000 181.000 181.000 181.000 181.000 181.000 181.000 181.000 181.000 181.000 181.000

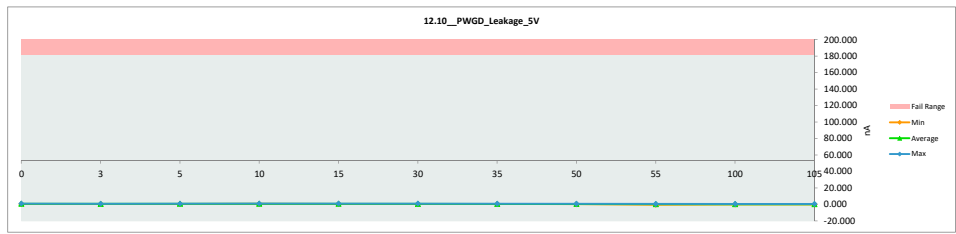


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12.10_PWGD_Leakage_5V				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	0.695	0.958	0.263
0	140	0.694	0.966	0.272
0	141	0.311	0.532	0.221
0	142	0.310	0.948	0.638
3	1	0.306	0.791	0.485
3	2	0.631	0.886	0.255
3	3	0.266	0.533	0.267
3	4	0.303	0.534	0.231
3	5	0.602	0.851	0.249
5	6	0.483	0.700	0.217
5	7	0.278	0.837	0.559
5	8	0.393	0.613	0.220
5	9	0.474	0.757	0.282
5	10	0.469	0.922	0.453
10	11	0.306	0.893	0.587
10	12	0.631	0.773	0.142
10	13	0.266	0.933	0.667
10	14	0.303	0.728	0.425
10	15	0.602	1.002	0.400
15	16	0.483	0.815	0.332
15	17	0.278	0.958	0.680
15	18	0.393	0.672	0.279
15	19	0.474	0.967	0.493
15	20	0.469	0.696	0.227
30	89	0.306	0.642	0.336
30	90	0.631	0.986	0.355
30	91	0.266	0.565	0.299
30	92	0.303	0.546	0.243
30	93	0.602	0.731	0.129
35	132	0.483	0.524	0.041
35	133	0.278	0.924	0.646
35	135	0.393	0.645	0.252
35	136	0.474	0.547	0.073
35	137	0.469	0.513	0.044
50	94	0.332	0.793	0.461
50	95	0.520	0.536	0.016
50	96	0.609	0.311	-0.299
50	97	0.669	0.618	-0.051
50	99	0.300	0.489	0.189
50	100	0.462	0.664	0.202
55	186	0.708	0.322	-0.385
55	187	0.604	0.674	0.070
55	188	0.603	0.308	-0.295
55	189	-0.287	-0.336	-0.049
55	190	0.632	0.351	-0.280
100	101	0.265	0.416	0.152
100	102	0.361	0.150	-0.212
100	103	0.483	0.097	-0.386
100	104	0.275	0.460	0.185
100	105	0.299	0.391	0.092
100	106	0.610	0.132	-0.478
100	107	0.344	0.165	-0.180
100	108	0.313	-0.017	-0.330
100	109	0.685	0.316	-0.369
100	110	0.472	0.385	-0.087
100	111	0.273	0.154	-0.119
100	112	0.531	0.347	-0.184
100	113	0.477	0.061	-0.416
100	114	0.302	0.005	-0.297
100	115	0.269	0.415	0.146
100	116	0.499	0.245	-0.254
100	117	0.307	0.115	-0.192
100	118	0.689	0.247	-0.442
100	119	0.348	0.206	-0.142
100	120	0.390	0.267	-0.123
100	121	0.466	0.071	-0.396
100	123	0.386	0.395	0.008
100	124	0.710	0.655	-0.055
105	191	0.412	0.070	-0.342
105	192	0.254	0.126	-0.128
105	193	0.681	0.408	-0.273
105	194	0.675	0.144	-0.531
105	195	0.292	0.575	0.282
	Max	0.710	1.002	0.680
	Average	0.436	0.515	0.079
	Min	-0.287	-0.336	-0.531
	Std Dev	0.170	0.306	0.316

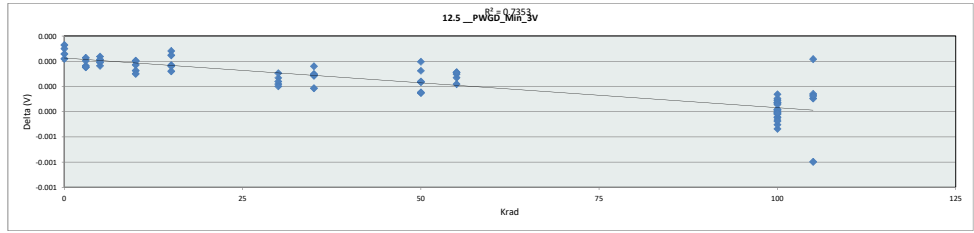


12.10_PWGD_Leakage_5V											
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	0.532	0.533	0.613	0.728	0.672	0.546	0.514	0.311	-0.336	-0.017	0.070
Average	0.851	0.719	0.766	0.866	0.821	0.694	0.631	0.568	0.264	0.247	0.264
Max	0.966	0.886	0.922	1.002	0.967	0.986	0.924	0.793	0.674	0.655	0.575
UL	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000	181.000

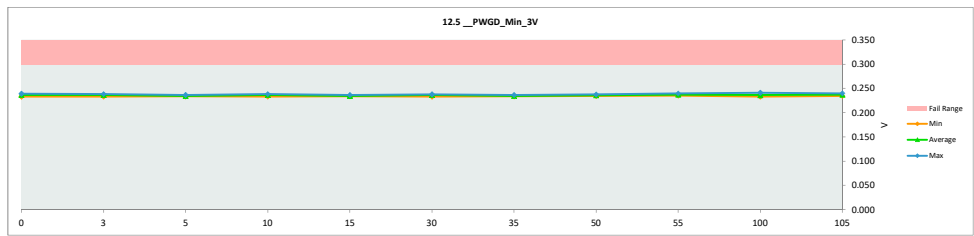


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12.5 PWGD_Min_3V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	0.3	0.3		
Min Limit				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	0.239	0.239	0.000
0	140	0.233	0.233	0.000
0	141	0.236	0.236	0.000
0	142	0.239	0.239	0.000
3	1	0.233	0.233	0.000
3	2	0.238	0.238	0.000
3	3	0.237	0.237	0.000
3	4	0.237	0.237	0.000
3	5	0.238	0.238	0.000
5	6	0.234	0.234	0.000
5	7	0.235	0.235	0.000
5	8	0.234	0.234	0.000
5	9	0.234	0.234	0.000
5	10	0.237	0.237	0.000
10	11	0.233	0.233	0.000
10	12	0.238	0.238	0.000
10	13	0.237	0.237	0.000
10	14	0.237	0.237	0.000
10	15	0.238	0.238	0.000
15	16	0.234	0.234	0.000
15	17	0.235	0.235	0.000
15	18	0.234	0.234	0.000
15	19	0.234	0.234	0.000
15	20	0.237	0.237	0.000
30	89	0.233	0.233	0.000
30	90	0.238	0.238	0.000
30	91	0.237	0.237	0.000
30	92	0.237	0.237	0.000
30	93	0.238	0.238	0.000
35	132	0.234	0.234	0.000
35	133	0.235	0.235	0.000
35	135	0.234	0.234	0.000
35	136	0.234	0.234	0.000
35	137	0.237	0.237	0.000
50	94	0.238	0.237	0.000
50	95	0.236	0.236	0.000
50	96	0.236	0.235	0.000
50	97	0.235	0.235	0.000
50	99	0.237	0.236	0.000
50	100	0.235	0.234	0.000
55	186	0.238	0.238	0.000
55	187	0.235	0.235	0.000
55	188	0.240	0.240	0.000
55	189	0.236	0.236	0.000
55	190	0.238	0.238	0.000
100	101	0.239	0.238	-0.001
100	102	0.234	0.234	0.000
100	103	0.235	0.234	0.000
100	104	0.236	0.236	-0.001
100	105	0.241	0.241	0.000
100	106	0.236	0.235	0.000
100	107	0.234	0.233	0.000
100	108	0.238	0.238	0.000
100	109	0.239	0.239	0.000
100	110	0.235	0.235	0.000
100	111	0.237	0.236	0.000
100	112	0.235	0.234	0.000
100	113	0.234	0.234	0.000
100	114	0.235	0.234	0.000
100	115	0.235	0.234	0.000
100	116	0.239	0.238	0.000
100	117	0.235	0.235	0.000
100	118	0.235	0.235	0.000
100	119	0.236	0.236	0.000
100	120	0.238	0.238	0.000
100	121	0.238	0.238	0.000
100	123	0.236	0.236	0.000
100	124	0.241	0.240	0.000
105	191	0.236	0.236	0.000
105	192	0.235	0.235	0.000
105	193	0.240	0.240	0.000
105	194	0.235	0.234	0.000
105	195	0.240	0.240	-0.001
	Max	0.241	0.241	0.000
	Average	0.236	0.236	0.000
	Min	0.233	0.233	-0.001
	Std Dev	0.002	0.002	0.000



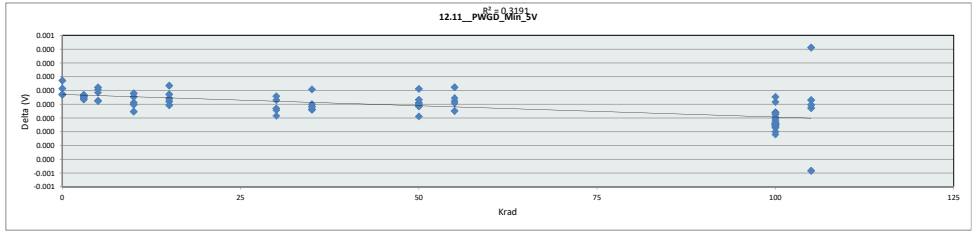
12.5 PWGD_Min_3V											
Test Site											
Tester											
Test Number											
Max Limit	0.3	V									
Min Limit		V									
Krad	0	3	5	10	15	30	35	50	55	100	105
Min	0.233	0.233	0.234	0.233	0.234	0.233	0.234	0.234	0.235	0.233	0.234
Average	0.237	0.237	0.235	0.237	0.235	0.236	0.235	0.236	0.237	0.236	0.237
Max	0.239	0.238	0.237	0.238	0.237	0.238	0.237	0.237	0.240	0.241	0.240
UL	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300



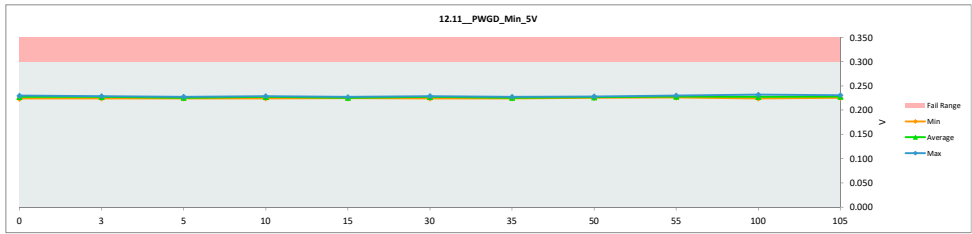


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12.11_PWGD_Min_5V				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	0.3	0.3		
Min Limit				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	0.229	0.230	0.000
0	140	0.224	0.224	0.000
0	141	0.226	0.226	0.000
0	142	0.230	0.230	0.000
3	1	0.224	0.224	0.000
3	2	0.229	0.229	0.000
3	3	0.228	0.228	0.000
3	4	0.228	0.228	0.000
3	5	0.228	0.228	0.000
5	6	0.225	0.225	0.000
5	7	0.226	0.226	0.000
5	8	0.224	0.224	0.000
5	9	0.225	0.225	0.000
5	10	0.227	0.227	0.000
10	11	0.224	0.224	0.000
10	12	0.229	0.229	0.000
10	13	0.228	0.228	0.000
10	14	0.228	0.228	0.000
10	15	0.228	0.228	0.000
15	16	0.225	0.225	0.000
15	17	0.226	0.226	0.000
15	18	0.224	0.224	0.000
15	19	0.225	0.225	0.000
15	20	0.227	0.227	0.000
30	89	0.224	0.224	0.000
30	90	0.229	0.229	0.000
30	91	0.228	0.228	0.000
30	92	0.228	0.228	0.000
30	93	0.228	0.228	0.000
35	132	0.225	0.225	0.000
35	133	0.226	0.226	0.000
35	135	0.224	0.224	0.000
35	136	0.225	0.225	0.000
35	137	0.227	0.227	0.000
50	94	0.228	0.228	0.000
50	95	0.227	0.227	0.000
50	96	0.226	0.226	0.000
50	97	0.226	0.226	0.000
50	99	0.227	0.227	0.000
50	100	0.225	0.225	0.000
55	186	0.228	0.228	0.000
55	187	0.226	0.226	0.000
55	188	0.230	0.230	0.000
55	189	0.227	0.227	0.000
55	190	0.229	0.229	0.000
100	101	0.230	0.229	0.000
100	102	0.225	0.225	0.000
100	103	0.225	0.225	0.000
100	104	0.227	0.227	0.000
100	105	0.232	0.232	0.000
100	106	0.227	0.226	0.000
100	107	0.225	0.224	0.000
100	108	0.229	0.229	0.000
100	109	0.230	0.230	0.000
100	110	0.226	0.226	0.000
100	111	0.227	0.227	0.000
100	112	0.225	0.225	0.000
100	113	0.225	0.225	0.000
100	114	0.225	0.225	0.000
100	115	0.225	0.225	0.000
100	116	0.229	0.229	0.000
100	117	0.226	0.226	0.000
100	118	0.226	0.226	0.000
100	119	0.227	0.227	0.000
100	120	0.229	0.229	0.000
100	121	0.229	0.229	0.000
100	123	0.227	0.227	0.000
100	124	0.231	0.231	0.000
105	191	0.227	0.227	0.000
105	192	0.226	0.226	0.000
105	193	0.231	0.231	0.000
105	194	0.225	0.225	0.000
105	195	0.231	0.230	0.000
	Max	0.232	0.232	0.000
	Average	0.227	0.227	0.000
	Min	0.224	0.224	0.000
	Std Dev	0.002	0.002	0.000

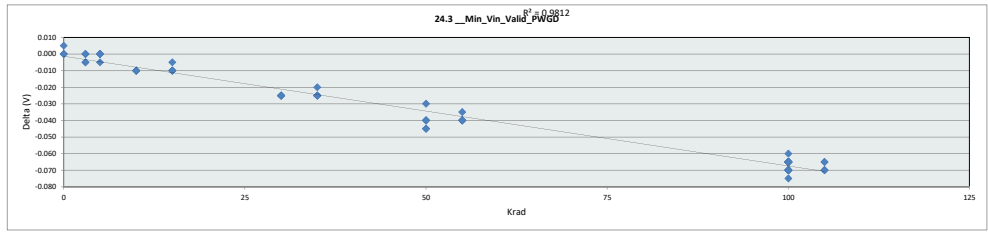


12.11_PWGD_Min_5V											
Test Site											
Tester											
Test Number											
Max Limit	0.3	V									
Min Limit		V									
Krad	0	3	5	10	15	30	35	50	55	100	105
Min	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.225	0.226	0.224	0.225
Average	0.227	0.227	0.226	0.227	0.226	0.227	0.225	0.227	0.228	0.227	0.228
Max	0.230	0.229	0.227	0.229	0.227	0.229	0.227	0.228	0.230	0.232	0.231
UL	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300

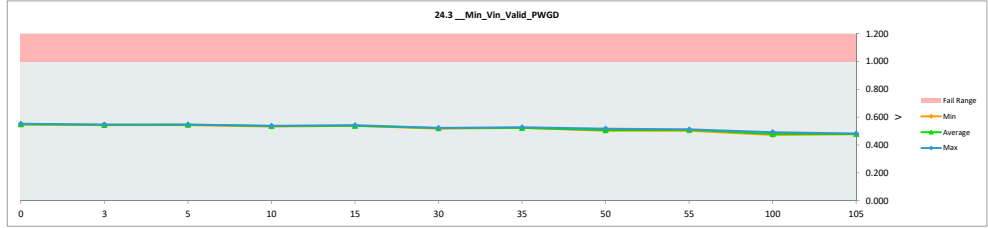


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24.3 _Min_Vin_Valid_PWGD				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1	1		
Min Limit				
Krad	Serial #	PRE_LDR	POST_LDR	Delta
0	139	0.548	0.548	0.000
0	140	0.548	0.548	0.000
0	141	0.548	0.553	0.005
0	142	0.548	0.548	0.000
3	1	0.543	0.543	0.000
3	2	0.548	0.548	0.000
3	3	0.548	0.543	-0.005
3	4	0.548	0.543	-0.005
3	5	0.548	0.548	0.000
5	6	0.548	0.548	0.000
5	7	0.548	0.548	0.000
5	8	0.548	0.548	0.000
5	9	0.548	0.548	0.000
5	10	0.548	0.543	-0.005
10	11	0.543	0.533	-0.010
10	12	0.548	0.538	-0.010
10	13	0.548	0.538	-0.010
10	14	0.548	0.538	-0.010
10	15	0.548	0.538	-0.010
15	16	0.548	0.543	-0.005
15	17	0.548	0.538	-0.010
15	18	0.548	0.538	-0.010
15	19	0.548	0.538	-0.010
15	20	0.548	0.538	-0.010
30	89	0.543	0.517	-0.025
30	90	0.548	0.522	-0.025
30	91	0.548	0.522	-0.025
30	92	0.548	0.522	-0.025
30	93	0.548	0.522	-0.025
35	132	0.548	0.527	-0.021
35	133	0.548	0.522	-0.025
35	135	0.548	0.522	-0.025
35	136	0.548	0.522	-0.025
35	137	0.548	0.522	-0.025
50	94	0.548	0.502	-0.045
50	95	0.548	0.517	-0.030
50	96	0.548	0.507	-0.040
50	97	0.543	0.502	-0.040
50	99	0.548	0.507	-0.040
50	100	0.548	0.502	-0.045
55	186	0.553	0.512	-0.040
55	187	0.543	0.502	-0.040
55	188	0.553	0.512	-0.040
55	189	0.543	0.507	-0.035
55	190	0.553	0.512	-0.040
100	101	0.548	0.477	-0.070
100	102	0.548	0.472	-0.075
100	103	0.543	0.472	-0.070
100	104	0.548	0.482	-0.065
100	105	0.558	0.488	-0.070
100	106	0.548	0.477	-0.070
100	107	0.543	0.472	-0.070
100	108	0.548	0.477	-0.070
100	109	0.548	0.482	-0.065
100	110	0.548	0.477	-0.070
100	111	0.548	0.482	-0.065
100	112	0.548	0.477	-0.070
100	113	0.543	0.477	-0.065
100	114	0.543	0.477	-0.065
100	115	0.543	0.477	-0.065
100	116	0.548	0.482	-0.065
100	117	0.543	0.477	-0.065
100	118	0.548	0.482	-0.065
100	119	0.548	0.482	-0.065
100	120	0.548	0.482	-0.065
100	121	0.548	0.482	-0.065
100	123	0.548	0.482	-0.065
100	124	0.553	0.493	-0.060
105	191	0.548	0.477	-0.070
105	192	0.548	0.477	-0.070
105	193	0.548	0.482	-0.065
105	194	0.548	0.477	-0.070
105	195	0.548	0.482	-0.065
Max		0.558	0.553	0.005
Average		0.547	0.511	-0.037
Min		0.543	0.472	-0.075
Std Dev		0.003	0.027	0.027



24.3 _Min_Vin_Valid_PWGD											
Test Site											
Tester											
Test Number											
Max Limit	1	V									
Min Limit		V									
Krad	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	0.548	0.543	0.543	0.533	0.538	0.518	0.523	0.503	0.503	0.473	0.478
Average	0.549	0.545	0.547	0.537	0.539	0.522	0.524	0.507	0.510	0.480	0.480
Max	0.553	0.548	0.548	0.538	0.543	0.523	0.528	0.518	0.513	0.493	0.483
UL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000



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