



ABSTRACT

This report discusses the results of the total ionizing dose (TID) testing for TPS7H5006-SEP, Texas Instruments 4-V to 14-V radiation-tolerant, current mode, single output PWM controller optimized for DC-DC converters in space applications. The study was done to determine TID effects under high dose rate (HDR) up to 50 krad(Si). The results show that all samples passed within the specified limits up to 50 krad(Si).

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Trademarks

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1 Device Information

1.1 Product Description

The TPS7H5006-SEP is a single output radiation-tolerant PWM controller that supports buck applications and single ended isolated topologies. The controller contains an integrated synchronous rectification output. Optimized for GaN power semiconductor based applications, the controller has configurable dead time and configurable leading edge blank time. The controller can be configured for maximum duty cycle of 75% or 100%. As such, the DCL pin can be left floating or connected to VLDO. Connection of the DCL pin to AVSS is not permissible for this device. The TPS7H5006-SEP features dead-time and leading edge blank time programmability in order to target high-efficiency and high-performance topologies. The 0.613-V $\pm 1\%$ accurate internal reference allows design of high-current buck converters for FPGA core voltages.

The TPS7H5006-SEP can be driven using an external clock through the SYNC pin or run using its internal oscillator at a frequency programmed by the user. Other programmable features include the UVLO threshold, soft start, and slope compensation. The TPS7H5006-SEP is packaged in a very small 24-pin TSSOP (thin-shrink small outline package) package.

1.2 Device Details

[Table 1-1](#) lists the device information used in the initial TID HDR characterization.

Table 1-1. Device and Exposure Details

TID Exposure Details	
TI Device	TPS7H5006-SEP
TI Part Name	TPS7H5006MPWTSEP
Package	24-pin TSSOP
Technology	LBC7
Quantity Tested	47
Lot Accept/Reject	All levels tested and passed up to 50 krad(Si)
HDR Radiation Facility	Texas Instruments - Dallas, TX
HDR Dose Level	20 krad(Si), 30 krad(Si), 50 krad(Si)
HDR Dose Rate	249.64 rads(Si)/s [247.52 to 253.16 rad(Si)/s]
HDR Radiation Source	Gammacell (Hopewell, GR420) Co-60
Irradiation Temperature	Ambient room temperature



Figure 1-1. TPS7H5006-SEP Device Photo

2 Total Dose Test Setup

2.1 Test Overview

The TPS7H5006-SEP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Condition A was 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 TPS7H5006-SEP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI facility in Dallas, Texas. The un-attenuated dose rate of this cell is 249.64 rads(Si)/s [247.52 to 253.16 rad(Si)/s]. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and full post-radiation electrical evaluation using Texas Instruments ATE was conducted. ATE test limits are set per data sheet 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 exposure were tested in two conditions, biased and unbiased, as described in the following.

2.3.1 Unbiased

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

2.3.2 Biased

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

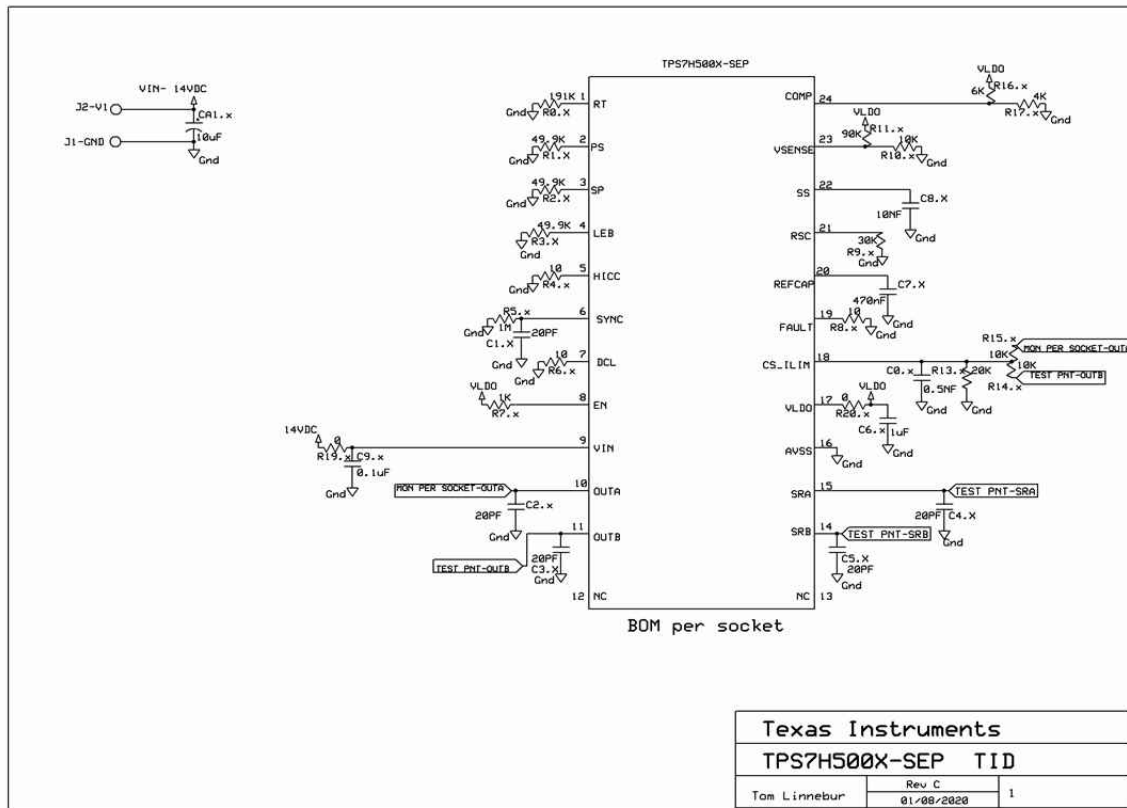


Figure 2-1. Bias Diagram Used in TID Exposure

2.4 Test Configuration and Condition

HDR devices were stressed at 20 krad(Si), 30 krad(Si), and 50 krad(Si) for biased and unbiased conditions.

Table 2-1. HDR: 20-krad(Si) to 50-krad(Si)/s Biased Device Information

Total Samples: 32		
Exposure Levels		
20 krad(Si)	30 krad(Si)	50 krad(Si)
1, 2, 3, 4, 5	11, 12, 13, 14, 15	21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42

Table 2-2. HDR: 20-krad(Si) to 50-krad(Si)/s Unbiased Device Information

Total Samples: 15		
Exposure Levels		
20 krad(Si)	30 krad(Si)	50 krad(Si)
6, 7, 8, 9, 10	16, 17, 18, 19, 20	43, 44, 45, 46, 47

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the TPS7H5006-SEP passes up to 50-krad(Si) HDR TID irradiation. The drifts of the data sheet electrical parameters through HDR were within the data sheet limits.

Overall, the TPS7H5006-SEP showed a strong degree of hardness to HDR TID irradiation up to 50 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 electrical performance characteristics specified in the data sheet electrical parameters. See [TPS7H500x-SEP Radiation-Tolerant 2-MHz Current Mode PWM Controllers in Space Enhanced Plastic data sheet](#) for the data sheet electrical parameters and associated tests.

See [Appendix A](#) for specifications requiring clarification.

See [Appendix B](#) for HDR report up to 50 krad(Si).

3.2 Specification Compliance Matrix

Table 3-1. TPS7H5006-SEP Electrical Parameters Table

PARAMETER	TEST CONDITION	TPS7H5006-SEP DATA SHEET				TEST #
		MIN	TYP	MAX	UNIT	
SUPPLY VOLTAGES AND CURRENTS						
IDD Operating supply current	$f_{SW} = 500$ kHz, No load for OUTA, OUTB, SRA, and SRB		6.25	8	mA	5.24 __IDD_ACT_500K_NOLOAD_4V, 5.25 __IDD_ACT_500K_NOLOAD_5V, 5.26 __IDD_ACT_500K_NOLOAD_12V, 5.27 __IDD_ACT_500K_NOLOAD_14V
	$f_{SW} = 1$ MHz, No load for OUTA, OUTB, SRA, and SRB		6.75	9.5	mA	5.28 __IDD_ACT_1M_NOLOAD_4V, 5.29 __IDD_ACT_1M_NOLOAD_5V, 5.30 __IDD_ACT_1M_NOLOAD_12V, 5.31 __IDD_ACT_1M_NOLOAD_14V
	$f_{SW} = 2$ MHz, No load for OUTA, OUTB, SRA, and SRB		8.5	13.5	mA	5.36 __IDD_ACT_2M_NOLOAD_4V, 5.37 __IDD_ACT_2M_NOLOAD_5V, 5.38 __IDD_ACT_2M_NOLOAD_12V, 5.39 __IDD_ACT_2M_NOLOAD_14V
	$f_{SW} = 500$ kHz, $C_{LOAD} = 100$ pF for OUTA, OUTB, SRA, and SRB		7.5	9.5	mA	5.48 __IDD_ACT_500K_4V, 5.49 __IDD_ACT_500K_5V, 5.50 __IDD_ACT_500K_12V, 5.51 __IDD_ACT_500K_14V
	$f_{SW} = 1$ MHz, $C_{LOAD} = 100$ pF for OUTA, OUTB, SRA, and SRB		9	12	mA	5.52 __IDD_ACT_1M_4V, 5.53 __IDD_ACT_1M_5V, 5.54 __IDD_ACT_1M_12V, 5.55 __IDD_ACT_1M_14V
	$f_{SW} = 2$ MHz, $C_{LOAD} = 100$ pF for OUTA, OUTB, SRA, and SRB		14	19.5	mA	5.60 __IDD_ACT_2M_4V, 5.61 __IDD_ACT_2M_5V, 5.62 __IDD_ACT_2M_12V, 5.63 __IDD_ACT_2M_14V
I _{DD(dis)} Standby current	EN = 0 V			3	mA	5.1 __IDD_DIS_4V, 5.2 __IDD_DIS_5V, 5.3 __IDD_DIS_12V, 5.4 __IDD_DIS_14V
VLDO Internal linear regulator output voltage	5 V ≤ VIN ≤ 14 V, $f_{sw} \leq 1$ MHz	4.75	5	5.2	V	5.65 __V_LDO_100K_5V, 5.66 __V_LDO_100K_12V, 5.67 __V_LDO_100K_14V, 5.69 __V_LDO_200K_5V, 5.70 __V_LDO_200K_12V, 5.71 __V_LDO_200K_14V, 5.73 __V_LDO_500K_5V, 5.74 __V_LDO_500K_12V, 5.75 __V_LDO_500K_14V, 5.77 __V_LDO_1M_5V, 5.78 __V_LDO_1M_12V, 5.79 __V_LDO_1M_14V
	5 V ≤ VIN ≤ 14 V, $f_{sw} = 2$ MHz	4.65	5	5.2	V	5.85 __V_LDO_2M_5V, 5.86 __V_LDO_2M_12V, 5.87 __V_LDO_2M_14V
ENABLE AND UNDERVOLTAGE LOCKOUT						
V _{ENR} EN threshold rising		0.57	0.6	0.65	V	6.5 __V_EN_RISE_4V, 6.8 __V_EN_RISE_5V, 6.11 __V_EN_RISE_12V, 6.14 __V_EN_RISE_14V
V _{ENF} EN threshold falling		0.47	0.5	0.55	V	6.6 __V_EN_FALL_4V, 6.9 __V_EN_FALL_5V, 6.12 __V_EN_FALL_12V, 6.15 __V_EN_FALL_14V
V _{ENH} EN hysteresis voltage		85	95	105	mV	6.7 __V_EN_HYS_4V, 6.10 __V_EN_HYS_5V, 6.13 __V_EN_HYS_12V, 6.16 __V_EN_HYS_14V
I _{EN} EN pin input leakage current	VIN = 14 V, EN = 5 V		5	50	nA	6.1 __I_EN_LEAK_4V, 6.2 __I_EN_LEAK_5V, 6.3 __I_EN_LEAK_12V, 6.4 __I_EN_LEAK_14V
VLDO _{UVLOR} VLDO UVLO rising		3.44	3.55	3.66	V	6.34 __UVLO_VLDO_RISE_1MHz, 6.37 __UVLO_VLDO_RISE_100kHz, 6.40 __UVLO_VLDO_RISE_200kHz, 6.43 __UVLO_VLDO_RISE_500kHz, 6.46 __UVLO_VLDO_RISE_2MHz
VLDO _{UVLOF} VLDO UVLO falling		3.29	3.4	3.51	V	6.35 __UVLO_VLDO_FALL_1MHz, 6.38 __UVLO_VLDO_FALL_100kHz, 6.41 __UVLO_VLDO_FALL_200kHz, 6.44 __UVLO_VLDO_FALL_500kHz, 6.47 __UVLO_VLDO_FALL_2MHz
VLDO _{UVLOH} VLDO UVLO hysteresis		115	135	160	mV	6.36 __UVLO_VLDO_HYS_1MHz, 6.39 __UVLO_VLDO_HYS_100kHz, 6.42 __UVLO_VLDO_HYS_200kHz, 6.45 __UVLO_VLDO_HYS_500kHz, 6.48 __UVLO_VLDO_HYS_2MHz
SOFT START						
I _{SS} Soft-start current	SS = 0.3 V	1.98	2.7	3.32	μA	7.1 __I_SS_4V, 7.3 __I_SS_5V, 7.5 __I_SS_12V, 7.7 __I_SS_14V
ERROR AMPLIFIER						
E _{A_{gm}} Transconductance	-2 μA < I _{COMP} < 2 μA, V _(COMP) = 1 V	1150	1800	2500	μA/V	8.9 __EA_GM_4V, 8.10 __EA_GM_5V, 8.11 __EA_GM_12V, 8.12 __EA_GM_14V

Table 3-1. TPS7H5006-SEP Electrical Parameters Table (continued)

PARAMETER	TEST CONDITION	TPS7H5006-SEP DATA SHEET				TEST #
		MIN	TYP	MAX	UNIT	
EA _{ISRC} Error amplifier source current	V _(COMP) = 1 V, 100-mV input overdrive	100		190	μA	8.13 __EA_I_SOURCE_4V, 8.14 __EA_I_SOURCE_5V, 8.15 __EA_I_SOURCE_12V, 8.16 __EA_I_SOURCE_14V
EA _{ISNK} Error amplifier sink current	V _(COMP) = 1 V, 100-mV input overdrive	100		190	μA	8.17 __EA_I_SINK_4V, 8.18 __EA_I_SINK_5V, 8.19 __EA_I_SINK_12V, 8.20 __EA_I_SINK_14V
EA _{OS} Error amplifier offset voltage		-2		2	mV	8.5 __EA_OS_4V, 8.6 __EA_OS_5V, 8.7 __EA_OS_12V, 8.8 __EA_OS_14V
OSCILLATOR						
SYNC _{RT} SYNC out low-to-high rise time (10%/90%)	C _{LOAD} = 25 pF		6	15	ns	9.1 __T_SYNC_RISE_100kHz_4V, 9.5 __T_SYNC_RISE_200kHz_4V, 9.9 __T_SYNC_RISE_500kHz_4V, 9.13 __T_SYNC_RISE_1MHz_4V, 9.17 __T_SYNC_RISE_1p5MHz_4V, 9.21 __T_SYNC_RISE_2MHz_4V, 9.25 __T_SYNC_RISE_100kHz_5V, 9.29 __T_SYNC_RISE_200kHz_5V, 9.33 __T_SYNC_RISE_500kHz_5V, 9.37 __T_SYNC_RISE_1MHz_5V, 9.41 __T_SYNC_RISE_1p5MHz_5V, 9.45 __T_SYNC_RISE_2MHz_5V, 9.49 __T_SYNC_RISE_100kHz_12V, 9.53 __T_SYNC_RISE_200kHz_12V, 9.57 __T_SYNC_RISE_500kHz_12V, 9.61 __T_SYNC_RISE_1MHz_12V, 9.65 __T_SYNC_RISE_1p5MHz_12V, 9.69 __T_SYNC_RISE_2MHz_12V, 9.73 __T_SYNC_RISE_100kHz_14V, 9.77 __T_SYNC_RISE_200kHz_14V, 9.81 __T_SYNC_RISE_500kHz_14V, 9.85 __T_SYNC_RISE_1MHz_14V, 9.89 __T_SYNC_RISE_1p5MHz_14V, 9.93 __T_SYNC_RISE_2MHz_14V
SYNC _{FT} SYNC out high-to-low fall time (10%/90%)	C _{LOAD} = 25 pF		6	17	ns	9.2 __T_SYNC_FALL_100kHz_4V, 9.14 __T_SYNC_FALL_1MHz_4V, 9.22 __T_SYNC_FALL_2MHz_4V, 9.26 __T_SYNC_FALL_100kHz_5V, 9.38 __T_SYNC_FALL_1MHz_5V, 9.46 __T_SYNC_FALL_2MHz_5V, 9.74 __T_SYNC_FALL_100kHz_14V, 9.86 __T_SYNC_FALL_1MHz_14V, 9.94 __T_SYNC_FALL_2MHz_14V
SYNC _{OL} SYNC out low level	I _{OL} = 10 mA			500	mV	9.186 __SYNC_VOL_4V, 9.187 __SYNC_VOL_5V, 9.188 __SYNC_VOL_12V, 9.189 __SYNC_VOL_14V
EXT _{DT} Externally set frequency detection time	RT = Open, f = 200 kHz			20	μs	9.185 __T_SYNC_DETECT
FSW _{EXT} Externally set frequency	RT = 1.07 MΩ	95	105	115	kHz	9.4 __FSW_EXT_RT_100kHz_4V, 9.28 __FSW_EXT_RT_100kHz_5V, 9.52 __FSW_EXT_RT_100kHz_12V, 9.76 __FSW_EXT_RT_100kHz_14V
	RT = 511 kΩ	190	210	230	kHz	9.8 __FSW_EXT_RT_200kHz_4V, 9.32 __FSW_EXT_RT_200kHz_5V, 9.56 __FSW_EXT_RT_200kHz_12V, 9.80 __FSW_EXT_RT_200kHz_14V
	RT = 90.9 kΩ	900	1000	1100	kHz	9.16 __FSW_EXT_RT_1MHz_4V, 9.40 __FSW_EXT_RT_1MHz_5V, 9.64 __FSW_EXT_RT_1MHz_12V, 9.88 __FSW_EXT_RT_1MHz_14V
	RT = 34.8 kΩ	1700	2000	2300	kHz	9.24 __FSW_EXT_RT_2MHz_4V, 9.48 __FSW_EXT_RT_2MHz_5V, 9.72 __FSW_EXT_RT_2MHz_12V, 9.96 __FSW_EXT_RT_2MHz_14V
VOLTAGE REFERENCE						
VREF Internal voltage reference initial tolerance	Measured at COMP, 25°C	0.609	0.613	0.615	V	8.1 __VREF_4V, 8.2 __VREF_5V, 8.3 __VREF_12V, 8.4 __VREF_14V

Table 3-1. TPS7H5006-SEP Electrical Parameters Table (continued)

PARAMETER	TEST CONDITION	TPS7H5006-SEP DATA SHEET				TEST #
		MIN	TYP	MAX	UNIT	
REFCAP REFCAP voltage	REFCAP = 470 nF	1.213	1.225	1.237	V	5.88 __V_REFCAP_100K_4V, 5.89 __V_REFCAP_100K_5V, 5.90 __V_REFCAP_100K_12V, 5.91 __V_REFCAP_100K_14V, 5.92 __V_REFCAP_200K_4V, 5.93 __V_REFCAP_200K_5V, 5.94 __V_REFCAP_200K_12V, 5.95 __V_REFCAP_200K_14V, 5.96 __V_REFCAP_500K_4V, 5.97 __V_REFCAP_500K_5V, 5.98 __V_REFCAP_500K_12V, 5.99 __V_REFCAP_500K_14V, 5.100 __V_REFCAP_1M_4V, 5.101 __V_REFCAP_1M_5V, 5.102 __V_REFCAP_1M_12V, 5.103 __V_REFCAP_1M_14V, 5.104 __V_REFCAP_1P5M_4V, 5.105 __V_REFCAP_1P5M_5V, 5.106 __V_REFCAP_1P5M_12V, 5.107 __V_REFCAP_1P5M_14V, 5.108 __V_REFCAP_2M_4V, 5.109 __V_REFCAP_2M_5V, 5.110 __V_REFCAP_2M_12V, 5.111 __V_REFCAP_2M_14V
CURRENT SENSE, CURRENT LIMIT, AND HICUP						
CCSR	COMP to CS_ILIM ratio	2.00	2.06	2.12		10.49 __CCSR_Ratio
V _{CS_ILIM} Current limit (over-current) threshold			1.05	1.09	V	10.1 __V_CS_ILIM_OC_Rise_4V, 10.3 __V_CS_ILIM_OC_Rise_5V, 10.5 __V_CS_ILIM_OC_Rise_12V, 10.7 __V_CS_ILIM_OC_Rise_14V
FAULT						
V _{FLTR} FLT threshold rising		0.57	0.6	0.65	V	12.1 __V_FAULT_RISE_4V, 12.4 __V_FAULT_RISE_5V, 12.7 __V_FAULT_RISE_12V, 12.10 __V_FAULT_RISE_14V
V _{FLTF} FLT threshold falling		0.47	0.5	0.55	V	12.2 __V_FAULT_FALL_4V, 12.5 __V_FAULT_FALL_5V, 12.8 __V_FAULT_FALL_12V, 12.11 __V_FAULT_FALL_14V
V _{FLTH} FLT hysteresis voltage		90	100	110	mV	12.3 __V_FAULT_HYS_4V, 12.6 __V_FAULT_HYS_5V, 12.9 __V_FAULT_HYS_12V, 12.12 __V_FAULT_HYS_14V
T _{FLT} FLT minimum pulse width	V _{FLT} = 1 V	0.4		1.4	μs	12.14 __T_FAULT_MIN
t _{DFLT} FLT delay duration	f _{sw} = 100 kHz	140	152	169	μs	12.15 __T_FAULT_DELAY_100kHz
	f _{sw} = 200 kHz	66	78	86	μs	12.17 __T_FAULT_DELAY_200kHz
	f _{sw} = 1 MHz	14	17	21	μs	12.21 __T_FAULT_DELAY_1MHz
	f _{sw} = 2 MHz	7	11	14	μs	12.23 __T_FAULT_DELAY_2MHz
PRIMARY AND SYNCHRONOUS RECTIFIER OUTPUTS						
Rise/fall time	R _{LOAD} = 50 kΩ, C _{LOAD} = 100 pF, 10% to 90%		10	17	ns	13.1 __OUTA_RISE_1MHz_4V, 13.9 __OUTA_RISE_1MHz_5V, 13.17 __OUTA_RISE_1MHz_12V, 13.25 __OUTA_RISE_1MHz_14V, 13.3 __OUTA_FALL_1MHz_4V, 13.11 __OUTA_FALL_1MHz_5V, 13.19 __OUTA_FALL_1MHz_12V, 13.27 __OUTA_FALL_1MHz_14V
t _{MIN} Minimum on-time LEB = 10 kΩ	LEB = 10 kΩ, 5 V ≤ VIN ≤ 14 V			85	ns	13.145 __OUT_T_ON_MIN

Table 3-1. TPS7H5006-SEP Electrical Parameters Table (continued)

PARAMETER	TEST CONDITION	TPS7H5006-SEP DATA SHEET				TEST #
		MIN	TYP	MAX	UNIT	
TD _{PS} Primary off to secondary on dead time	PS = floating, 5 V ≤ VIN ≤ 14 V, 90% of OUTx falling edge to 10% of SRx rising edge with OUTx and SRx floating	5	8	11	ns	13.37 __PSA_DT_0ns_1M_5V, 13.41 __PSA_DT_0ns_1M_12V, 13.45 __PSA_DT_0ns_1M_14V
	PS = 49.9 kΩ, 5 V ≤ VIN ≤ 14 V, 90% of OUTx falling edge to 10% of SRx rising edge with OUTx and SRx floating	43	50	55	ns	13.53 __PSA_DT_50ns_1M_5V, 13.57 __PSA_DT_50ns_1M_12V, 13.61 __PSA_DT_50ns_1M_14V
	PS = 107 kΩ, 5 V ≤ VIN ≤ 14 V, 90% of OUTx falling edge to 10% of SRx rising edge with OUTx and SRx floating	85	100	110	ns	13.69 __PSA_DT_100ns_1M_5V, 13.73 __PSA_DT_100ns_1M_12V, 13.77 __PSA_DT_100ns_1M_14V
TD _{SP} Secondary off to primary on dead time	SP = floating, 5 V ≤ VIN ≤ 14 V, 90% of SRx falling edge to 10% of OUTx rising edge with OUTx and SRx floating	5	8	11	ns	13.39 __SPA_DT_0ns_1M_5V, 13.43 __SPA_DT_0ns_1M_12V, 13.47 __SPA_DT_0ns_1M_14V
	SP = 49.9 kΩ, 5 V ≤ VIN ≤ 14 V, 90% of SRx falling edge to 10% of OUTx rising edge with OUTx and SRx floating	43	50	55	ns	13.55 __SPA_DT_50ns_1M_5V, 13.59 __SPA_DT_50ns_1M_12V, 13.63 __SPA_DT_50ns_1M_14V
	SP = 100 kΩ, 5 V ≤ VIN ≤ 14 V, 90% of SRx falling edge to 10% of OUTx rising edge with OUTx and SRx floating	85	100	110	ns	13.71 __SPA_DT_100ns_1M_5V, 13.75 __SPA_DT_100ns_1M_12V, 13.79 __SPA_DT_100ns_1M_14V
DUTY CYCLE						
D _{MAX} Maximum duty cycle	DCL = floating	70	75	80	%	13.163 __MAX_DC_DCL_OPEN
	DCL =VLDO			100	%	13.166 __MAX_DC_DCL_VLDO

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [TPS7H500x-SEP Radiation-Tolerant 2-MHz Current Mode PWM Controllers in Space Enhanced Plastic data sheet](#)
- Texas Instruments, [TPS7H500xEVM Evaluation Module \(EVM\) 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.

5 Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

Changes from Revision * (June 2022) to Revision A (July 2022)	Page
• Changed device name from PTPS7H5006MPWSEP to TPS7H5006MPWTSEP.....	2

A Appendix: Specifications Requiring Clarification

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

Data sheet specifications for which parametric data is unavailable were not included in the TID report. Functionality assured by ATE testing.

PARAMETER	TEST CONDITION	TPS7H5006-SEP DATA SHEET			
		MIN	TYP	MAX	UNIT
V _{IN} Operating voltage		4		14	V
F _{SYNC} SYNC in frequency range		200		4000	kHz
D _{SYNC} SYNC in duty cycle	Duty cycle of external clock	40		60	%

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

Data sheet specifications verified by bench testing were not included in the TID report. TID testing was by ATE.

PARAMETER	TEST CONDITION	TPS7H5006-SEP DATA SHEET			
		MIN	TYP	MAX	UNIT
E _{A_{DC}} DC gain	V _{SENSE} = 0.6 V		10000		V/V
E _{A_{r_o}} Error amplifier output resistance			7		MΩ
E _{A_{I_B}} Error amplifier bias current				35	nA
E _{A_{BW}} Bandwidth			10		MHz
S _{Y_NC_{I_L}} SYNC in low-level	V _{IN} < 5 V			0.8	V
	V _{IN} ≥ 5 V			0.8	
S _{Y_NC_{I_H}} SYNC in high-level	V _{IN} < 5 V		3.5		V
	V _{IN} ≥ 5 V		3.5		
(V _{LDO} - S _{Y_NC_{O_H}}) SYNC out high level	I _{OH} = 10 mA			0.5	V

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

Data sheet specifications for which *MIN* and *MAX* values are unavailable were not included in the TID report. Functionality assured by ATE testing.

PARAMETER	TEST CONDITION	TPS7H5006-SEP DATA SHEET			
		MIN	TYP	MAX	UNIT
I _{HICC_DEL} Hiccup delay current	CS _{LIM} = 1.3 V, COMP = 3 V, V _{SENSE} = REFCAP/2 V, C _{HICC} = 3 nF, LEB = 49.9 kΩ, f _{SW} = 100 kHz		80		μA
I _{HICC_RST} Hiccup restart current			1		μA
V _{HICC_PU} Hiccup pull-up threshold			1.0		V
V _{HICC_SD} Hiccup shut-down threshold			0.6		V
V _{HICC_RS} T Hiccup restart threshold			0.3		V
Slope compensation	f _{SW} = 100 kHz, RSC = 1.18 MΩ		0.033		V/μs
	f _{SW} = 200 kHz, RSC = 562 kΩ		0.066		
	f _{SW} = 1000 kHz, RSC = 100 kΩ		0.333		
	f _{SW} = 2000 kHz, RSC = 49.9 kΩ		0.666		

Table A-3. Specifications Requiring Clarification - Set #3 (continued)

Data sheet specifications for which *MIN* and *MAX* values are unavailable were not included in the TID report. Functionality assured by ATE testing.

PARAMETER	TEST CONDITION	TPS7H5006-SEP DATA SHEET			
		MIN	TYP	MAX	UNIT
PRIMARY AND SYNCHRONOUS RECTIFIER OUTPUTS					
Low-level threshold	$I_{\text{SINK}} = 10 \text{ mA}$		0.5		V
High-level threshold	$I_{\text{SOURCE}} = 10 \text{ mA}$		4.5		V
R _{SRC_P} Output source resistance	$I_{\text{OUT}} = 20 \text{ mA}$		15		Ω
R _{SINK_P} Output sink resistance	$I_{\text{OUT}} = 20 \text{ mA}$		15		Ω

Table A-4. Specifications Requiring Clarification - Set #4

Data sheet specifications for which temperature condition was other than 25°C were not included in the TID report. TID testing was at 25°C only.

PARAMETER	TEST CONDITION	TPS7H5006-SEP DATA SHEET			
		MIN	TYP	MAX	UNIT
VREF Internal voltage reference	Measured at COMP, -55°C	0.607	0.609	0.612	V
	Measured at COMP, +125°C	0.611	0.614	0.617	

B Appendix: HDR TID Report Data

This appendix contains the HDR TID report data.

**HDR TID Report
TPS7H5006-SEP**

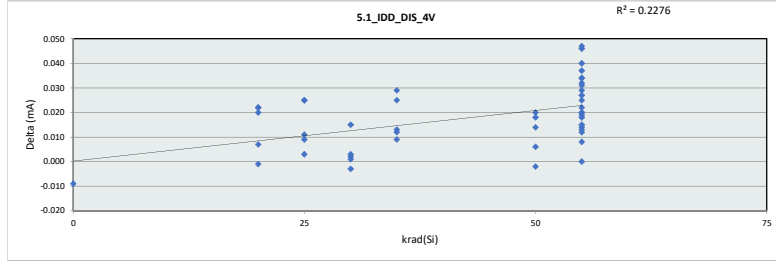
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

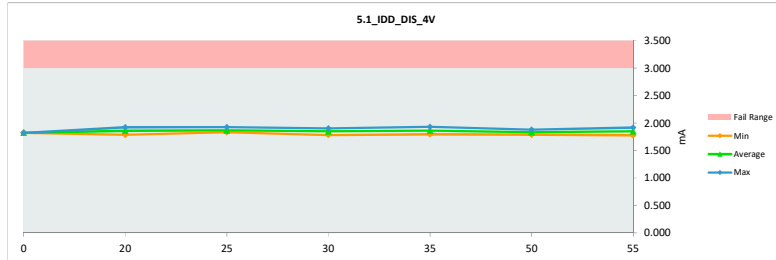
5.1_IDD_DIS_4V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	3
Min Limit	3

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HC	Delta
0	48	1.832	1.823	-0.009
25	1	1.857	1.882	0.025
25	2	1.845	1.848	0.003
25	3	1.823	1.834	0.011
25	4	1.837	1.846	0.009
25	5	1.901	1.926	0.025
20	6	1.764	1.786	0.022
20	7	1.872	1.871	-0.001
20	8	1.917	1.924	0.007
20	9	1.825	1.847	0.022
20	10	1.851	1.871	0.020
35	11	1.907	1.932	0.025
35	12	1.844	1.873	0.029
35	13	1.859	1.872	0.013
35	14	1.842	1.854	0.012
35	15	1.785	1.794	0.009
30	16	1.888	1.903	0.015
30	17	1.877	1.878	0.001
30	18	1.852	1.855	0.003
30	19	1.786	1.783	-0.003
30	20	1.821	1.823	0.002
55	21	1.794	1.831	0.037
55	22	1.820	1.835	0.015
55	23	1.906	1.918	0.012
55	24	1.770	1.778	0.008
55	25	1.874	1.894	0.020
55	26	1.786	1.817	0.031
55	27	1.804	1.823	0.019
55	28	1.862	1.909	0.047
55	29	1.787	1.809	0.022
55	30	1.843	1.843	0.000
55	31	1.787	1.812	0.025
55	32	1.815	1.861	0.046
55	33	1.850	1.882	0.032
55	34	1.810	1.824	0.014
55	35	1.821	1.850	0.029
55	36	1.861	1.881	0.020
55	37	1.795	1.829	0.034
55	38	1.880	1.907	0.027
55	39	1.832	1.872	0.040
55	40	1.848	1.861	0.013
55	41	1.829	1.863	0.034
55	42	1.830	1.848	0.018
50	43	1.784	1.790	0.006
50	44	1.802	1.822	0.020
50	45	1.801	1.819	0.018
50	46	1.881	1.879	-0.002
50	47	1.838	1.852	0.014
Max		1.917	1.932	0.047
Average		1.835	1.853	0.017
Min		1.764	1.778	-0.009
Std Dev		0.038	0.039	0.013



5.1_IDD_DIS_4V	
Test Site	
Tester	
Test Number	
Max Limit	3
Min Limit	3

krad(Si)	0	20	25	30	35	50	55
LL							
Min	1.823	1.786	1.834	1.783	1.794	1.790	1.778
Average	1.823	1.860	1.867	1.848	1.865	1.832	1.852
Max	1.823	1.924	1.926	1.903	1.932	1.879	1.918
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000

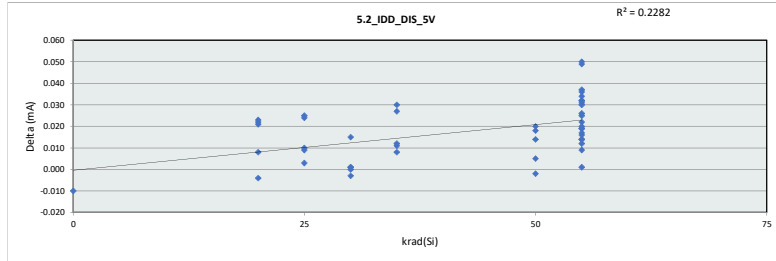


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

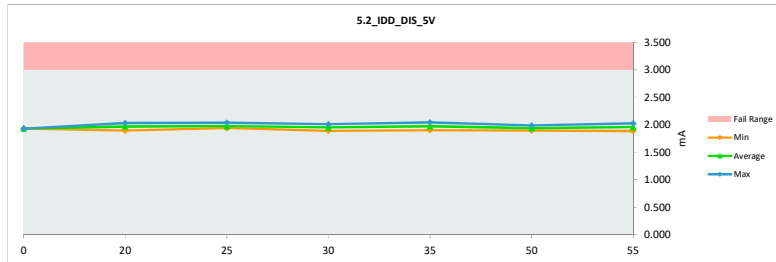
5.2_IDD_DIS_5V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	3 3
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	1.941	1.931	-0.010
25	1	1.968	1.992	0.024
25	2	1.954	1.957	0.003
25	3	1.930	1.940	0.010
25	4	1.945	1.954	0.009
25	5	2.012	2.037	0.025
20	6	1.870	1.893	0.023
20	7	1.981	1.977	-0.004
20	8	2.024	2.032	0.008
20	9	1.932	1.954	0.022
20	10	1.961	1.982	0.021
35	11	2.017	2.044	0.027
35	12	1.950	1.980	0.030
35	13	1.968	1.980	0.012
35	14	1.951	1.962	0.011
35	15	1.893	1.901	0.008
30	16	1.996	2.011	0.015
30	17	1.986	1.987	0.001
30	18	1.961	1.961	0.000
30	19	1.894	1.891	-0.003
30	20	1.928	1.929	0.001
55	21	1.902	1.939	0.037
55	22	1.926	1.943	0.017
55	23	2.014	2.026	0.012
55	24	1.877	1.886	0.009
55	25	1.985	2.004	0.019
55	26	1.892	1.922	0.030
55	27	1.912	1.931	0.019
55	28	1.969	2.018	0.049
55	29	1.893	1.915	0.022
55	30	1.949	1.950	0.001
55	31	1.895	1.920	0.025
55	32	1.920	1.970	0.050
55	33	1.957	1.989	0.032
55	34	1.917	1.931	0.014
55	35	1.928	1.959	0.031
55	36	1.968	1.988	0.020
55	37	1.901	1.935	0.034
55	38	1.988	2.014	0.026
55	39	1.940	1.976	0.036
55	40	1.954	1.968	0.014
55	41	1.938	1.970	0.032
55	42	1.939	1.955	0.016
50	43	1.892	1.897	0.005
50	44	1.909	1.929	0.020
50	45	1.910	1.928	0.018
50	46	1.989	1.987	-0.002
50	47	1.947	1.961	0.014
Max		2.024	2.044	0.050
Average		1.943	1.961	0.017
Min		1.870	1.886	-0.010
Std Dev		0.039	0.040	0.013



5.2_IDD_DIS_5V	
Test Site	
Tester	
Test Number	
Max Limit	3 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	1.931	1.893	1.940	1.891	1.901	1.897	1.886
Average	1.931	1.968	1.976	1.956	1.973	1.940	1.960
Max	1.931	2.032	2.037	2.011	2.044	1.987	2.026
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000

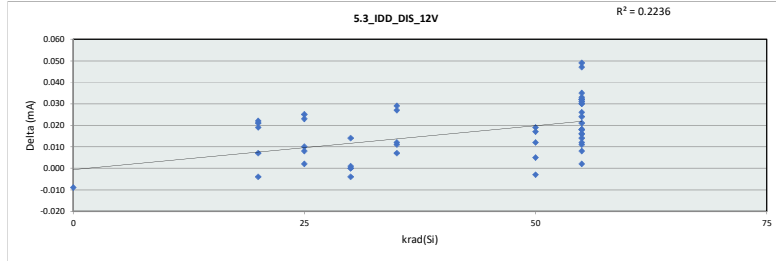


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

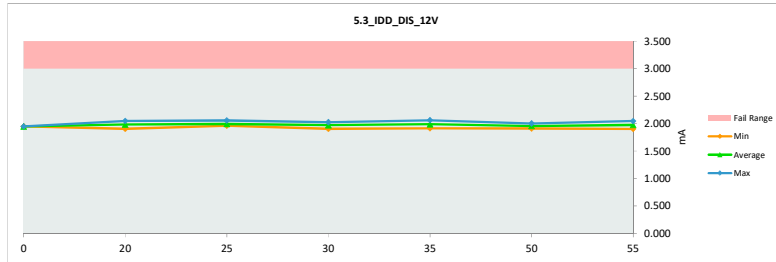
5.3_IDD_DIS_12V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	3 3
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	1.960	1.951	-0.009
25	1	1.983	2.006	0.023
25	2	1.969	1.971	0.002
25	3	1.952	1.962	0.010
25	4	1.966	1.974	0.008
25	5	2.033	2.058	0.025
20	6	1.886	1.907	0.021
20	7	1.999	1.995	-0.004
20	8	2.044	2.051	0.007
20	9	1.950	1.972	0.022
20	10	1.981	2.000	0.019
35	11	2.035	2.062	0.027
35	12	1.972	2.001	0.029
35	13	1.990	2.002	0.012
35	14	1.965	1.976	0.011
35	15	1.910	1.917	0.007
30	16	2.012	2.026	0.014
30	17	2.005	2.006	0.001
30	18	1.976	1.976	0.000
30	19	1.909	1.905	-0.004
30	20	1.949	1.949	0.000
55	21	1.923	1.958	0.035
55	22	1.939	1.955	0.016
55	23	2.037	2.048	0.011
55	24	1.896	1.904	0.008
55	25	2.005	2.023	0.018
55	26	1.907	1.937	0.030
55	27	1.930	1.948	0.018
55	28	1.987	2.034	0.047
55	29	1.909	1.930	0.021
55	30	1.966	1.968	0.002
55	31	1.911	1.935	0.024
55	32	1.940	1.989	0.049
55	33	1.974	2.005	0.031
55	34	1.938	1.950	0.012
55	35	1.941	1.971	0.030
55	36	1.985	2.003	0.018
55	37	1.921	1.953	0.032
55	38	2.002	2.028	0.026
55	39	1.962	1.995	0.033
55	40	1.974	1.988	0.014
55	41	1.956	1.988	0.032
55	42	1.959	1.975	0.016
50	43	1.907	1.912	0.005
50	44	1.930	1.949	0.019
50	45	1.926	1.943	0.017
50	46	2.007	2.004	-0.003
50	47	1.970	1.982	0.012
	Max	2.044	2.062	0.049
	Average	1.961	1.978	0.017
	Min	1.886	1.904	-0.009
	Std Dev	0.040	0.040	0.013



5.3_IDD_DIS_12V	
Test Site	
Tester	
Test Number	
Max Limit	3 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	1.951	1.907	1.962	1.905	1.917	1.912	1.904
Average	1.951	1.985	1.994	1.972	1.992	1.958	1.977
Max	1.951	2.051	2.058	2.026	2.062	2.004	2.048
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000

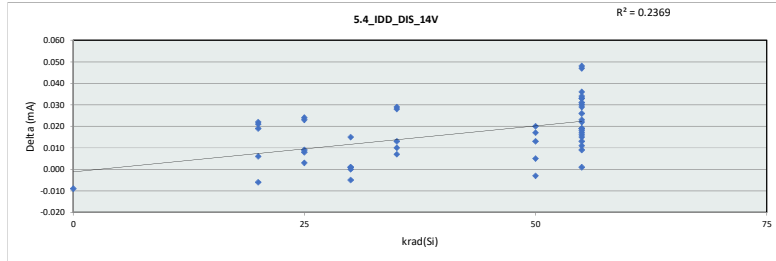


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

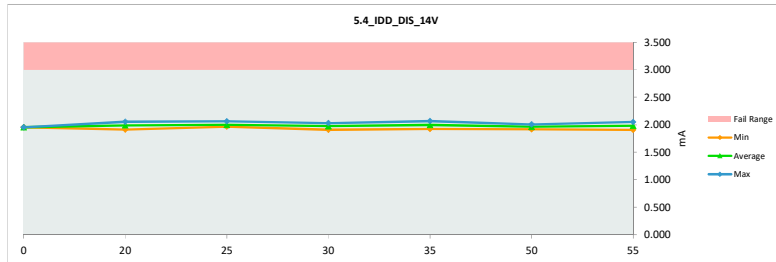
5.4_IDD_DIS_14V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	3 3
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	1.964	1.955	-0.009
25	1	1.987	2.010	0.023
25	2	1.973	1.976	0.003
25	3	1.958	1.966	0.008
25	4	1.969	1.978	0.009
25	5	2.038	2.062	0.024
20	6	1.890	1.912	0.022
20	7	2.004	1.998	-0.006
20	8	2.049	2.055	0.006
20	9	1.954	1.975	0.021
20	10	1.986	2.005	0.019
35	11	2.039	2.067	0.028
35	12	1.976	2.005	0.029
35	13	1.994	2.007	0.013
35	14	1.970	1.980	0.010
35	15	1.914	1.921	0.007
30	16	2.015	2.030	0.015
30	17	2.009	2.010	0.001
30	18	1.980	1.980	0.000
30	19	1.914	1.909	-0.005
30	20	1.952	1.953	0.001
55	21	1.927	1.963	0.036
55	22	1.943	1.958	0.015
55	23	2.040	2.051	0.011
55	24	1.899	1.908	0.009
55	25	2.009	2.028	0.019
55	26	1.912	1.942	0.030
55	27	1.935	1.953	0.018
55	28	1.992	2.039	0.047
55	29	1.912	1.934	0.022
55	30	1.970	1.971	0.001
55	31	1.915	1.938	0.023
55	32	1.944	1.992	0.048
55	33	1.977	2.008	0.031
55	34	1.941	1.954	0.013
55	35	1.946	1.975	0.029
55	36	1.988	2.007	0.019
55	37	1.924	1.957	0.033
55	38	2.005	2.031	0.026
55	39	1.966	1.999	0.033
55	40	1.977	1.993	0.016
55	41	1.959	1.993	0.034
55	42	1.962	1.979	0.017
50	43	1.911	1.916	0.005
50	44	1.934	1.954	0.020
50	45	1.930	1.947	0.017
50	46	2.011	2.008	-0.003
50	47	1.974	1.987	0.013
Max		2.049	2.067	0.048
Average		1.965	1.982	0.017
Min		1.890	1.908	-0.009
Std Dev		0.040	0.040	0.013



5.4_IDD_DIS_14V	
Test Site	
Tester	
Test Number	
Max Limit	3 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	1.955	1.912	1.966	1.909	1.921	1.916	1.908
Average	1.955	1.989	1.998	1.976	1.996	1.962	1.981
Max	1.955	2.055	2.062	2.030	2.067	2.008	2.051
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000

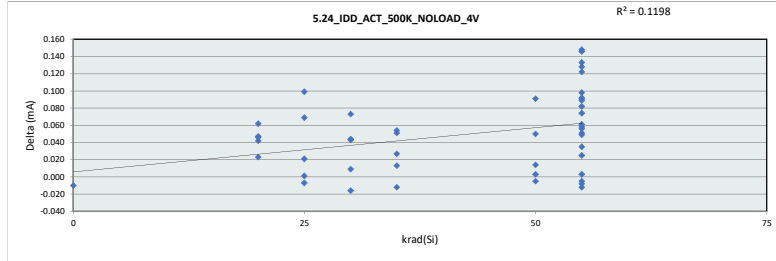


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

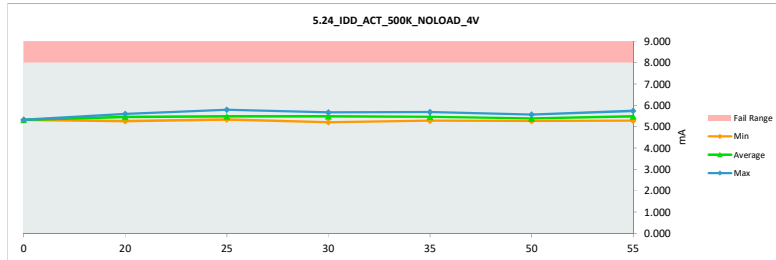
5.24_IDD_ACT_500K_NOLOAD	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	8
Min Limit	8

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.332	5.322		-0.010
25	1	5.481	5.550		0.069
25	2	5.380	5.381		0.001
25	3	5.377	5.370		-0.007
25	4	5.317	5.338		0.021
25	5	5.693	5.792		0.099
20	6	5.199	5.261		0.062
20	7	5.479	5.521		0.042
20	8	5.578	5.601		0.023
20	9	5.398	5.444		0.046
20	10	5.431	5.478		0.047
35	11	5.633	5.687		0.054
35	12	5.413	5.440		0.027
35	13	5.484	5.472		-0.012
35	14	5.418	5.431		0.013
35	15	5.229	5.280		0.051
30	16	5.597	5.670		0.073
30	17	5.476	5.520		0.044
30	18	5.426	5.469		0.043
30	19	5.229	5.213		-0.016
30	20	5.548	5.557		0.009
55	21	5.327	5.418		0.091
55	22	5.375	5.363		-0.012
55	23	5.641	5.702		0.061
55	24	5.220	5.278		0.058
55	25	5.485	5.541		0.056
55	26	5.275	5.310		0.035
55	27	5.366	5.391		0.025
55	28	5.595	5.741		0.146
55	29	5.304	5.386		0.082
55	30	5.452	5.455		0.003
55	31	5.213	5.287		0.074
55	32	5.354	5.476		0.122
55	33	5.644	5.733		0.089
55	34	5.369	5.420		0.051
55	35	5.400	5.395		-0.005
55	36	5.564	5.662		0.098
55	37	5.352	5.401		0.049
55	38	5.522	5.650		0.128
55	39	5.364	5.512		0.148
55	40	5.445	5.437		-0.008
55	41	5.454	5.546		0.092
55	42	5.453	5.586		0.133
50	43	5.264	5.267		0.003
50	44	5.247	5.297		0.050
50	45	5.339	5.430		0.091
50	46	5.574	5.569		-0.005
50	47	5.347	5.361		0.014
	Max	5.693	5.792		0.148
	Average	5.418	5.467		0.049
	Min	5.199	5.213		-0.016
	Std Dev	0.127	0.143		0.045



5.24_IDD_ACT_500K_NOLOAD	
Test Site	
Tester	
Test Number	
Max Limit	8 mA
Min Limit	8 mA

krad(Si)	0	20	25	30	35	50	55
LL							
Min	5.322	5.261	5.338	5.213	5.280	5.267	5.278
Average	5.322	5.461	5.486	5.486	5.462	5.385	5.486
Max	5.322	5.601	5.792	5.670	5.687	5.569	5.741
UL	8.000	8.000	8.000	8.000	8.000	8.000	8.000



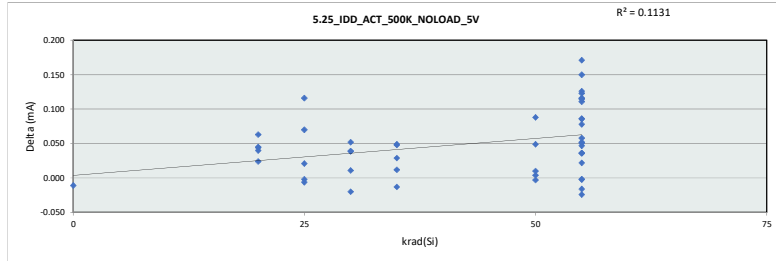
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.25_IDD_ACT_500K_NOLOAD_SV

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	8	8
Min Limit		

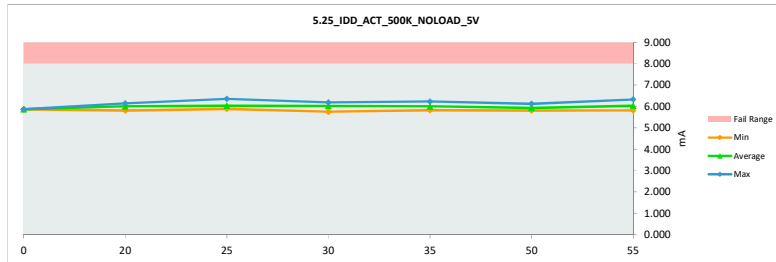
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.880	5.869		-0.011
25	1	6.030	6.100		0.070
25	2	5.916	5.910		-0.006
25	3	5.921	5.919		-0.002
25	4	5.860	5.881		0.021
25	5	6.241	6.357		0.116
20	6	5.743	5.806		0.063
20	7	6.018	6.058		0.040
20	8	6.123	6.147		0.024
20	9	5.943	5.987		0.044
20	10	5.976	6.021		0.045
35	11	6.181	6.229		0.048
35	12	5.957	5.986		0.029
35	13	6.024	6.011		-0.013
35	14	5.957	5.969		0.012
35	15	5.770	5.819		0.049
30	16	6.141	6.193		0.052
30	17	6.023	6.062		0.039
30	18	5.974	6.013		0.039
30	19	5.772	5.752		-0.020
30	20	6.101	6.112		0.011
55	21	5.876	5.962		0.086
55	22	5.919	5.895		-0.024
55	23	6.179	6.226		0.047
55	24	5.765	5.817		0.052
55	25	6.030	6.088		0.058
55	26	5.818	5.854		0.036
55	27	5.912	5.934		0.022
55	28	6.136	6.286		0.150
55	29	5.823	5.934		0.111
55	30	6.002	6.000		-0.002
55	31	5.755	5.833		0.078
55	32	5.891	6.006		0.115
55	33	6.213	6.329		0.116
55	34	5.915	5.951		0.036
55	35	5.942	5.940		-0.002
55	36	6.097	6.212		0.115
55	37	5.894	5.945		0.051
55	38	6.068	6.194		0.126
55	39	5.913	6.036		0.123
55	40	5.983	5.967		-0.016
55	41	6.002	6.088		0.086
55	42	5.979	6.150		0.171
50	43	5.801	5.805		0.004
50	44	5.784	5.833		0.049
50	45	5.884	5.972		0.088
50	46	6.126	6.123		-0.003
50	47	5.888	5.898		0.010
Max		6.241	6.357		0.171
Average		5.961	6.010		0.049
Min		5.743	5.752		-0.024
Std Dev		0.129	0.147		0.048



5.25_IDD_ACT_500K_NOLOAD

Test Site		
Tester		
Test Number		
Max Limit	8	mA
Min Limit		

krad(Si)	0	20	25	30	35	50	55
LL							
Min	5.869	5.806	5.881	5.752	5.819	5.805	5.817
Average	5.869	6.004	6.033	6.026	6.003	5.926	6.029
Max	5.869	6.147	6.357	6.193	6.229	6.123	6.329
UL	8.000	8.000	8.000	8.000	8.000	8.000	8.000



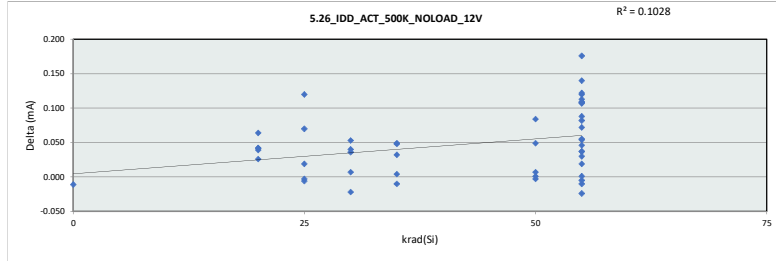
**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.26_IDD_ACT_500K_NOLOAD

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	8	8
Min Limit		

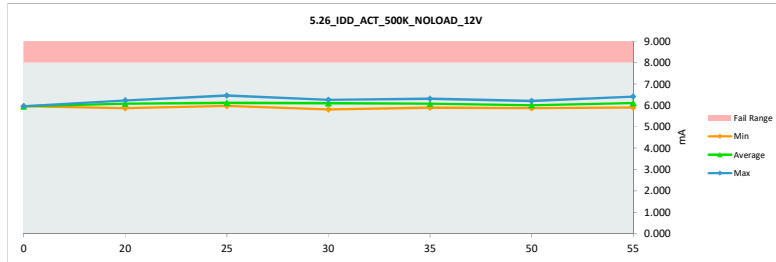
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	5.965	5.954	-0.011
25	1	6.089	6.159	0.070
25	2	5.977	5.974	-0.003
25	3	6.025	6.019	-0.006
25	4	5.949	5.968	0.019
25	5	6.338	6.458	0.120
20	6	5.805	5.869	0.064
20	7	6.100	6.142	0.042
20	8	6.207	6.233	0.026
20	9	6.019	6.058	0.039
20	10	6.061	6.103	0.042
35	11	6.261	6.310	0.049
35	12	6.051	6.083	0.032
35	13	6.118	6.108	-0.010
35	14	6.020	6.024	0.004
35	15	5.842	5.890	0.048
30	16	6.208	6.261	0.053
30	17	6.104	6.140	0.036
30	18	6.037	6.077	0.040
30	19	5.831	5.809	-0.022
30	20	6.199	6.206	0.007
55	21	5.965	6.053	0.088
55	22	5.973	5.949	-0.024
55	23	6.278	6.315	0.037
55	24	5.841	5.896	0.055
55	25	6.118	6.172	0.054
55	26	5.887	5.924	0.037
55	27	5.992	6.011	0.019
55	28	6.219	6.359	0.140
55	29	5.893	6.000	0.107
55	30	6.078	6.073	-0.005
55	31	5.827	5.899	0.072
55	32	5.979	6.088	0.109
55	33	6.287	6.407	0.120
55	34	6.009	6.039	0.030
55	35	6.003	5.993	-0.010
55	36	6.168	6.281	0.113
55	37	5.975	6.021	0.046
55	38	6.128	6.250	0.122
55	39	6.013	6.121	0.108
55	40	6.068	6.069	0.001
55	41	6.082	6.164	0.082
55	42	6.064	6.240	0.176
50	43	5.867	5.868	0.001
50	44	5.873	5.922	0.049
50	45	5.950	6.034	0.084
50	46	6.207	6.204	-0.003
50	47	5.987	5.994	0.007
	Max	6.338	6.458	0.176
	Average	6.040	6.087	0.047
	Min	5.805	5.809	-0.024
	Std Dev	0.133	0.150	0.047



5.26_IDD_ACT_500K_NOLOAD

Test Site	
Tester	
Test Number	
Max Limit	8 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	5.954	5.869	5.968	5.809	5.890	5.868	5.896
Average	5.954	6.081	6.116	6.099	6.083	6.004	6.106
Max	5.954	6.233	6.458	6.261	6.310	6.204	6.407
UL	8.000	8.000	8.000	8.000	8.000	8.000	8.000



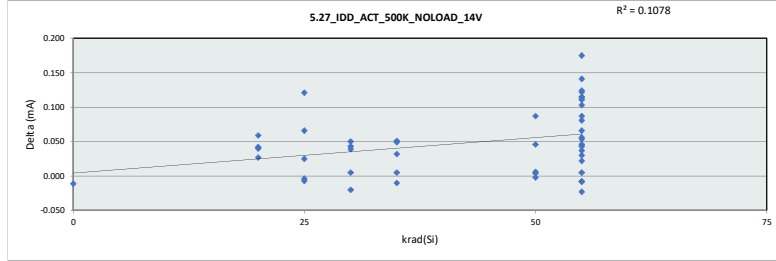
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.27_IDD_ACT_500K_NOLOAD

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	8	8
Min Limit		

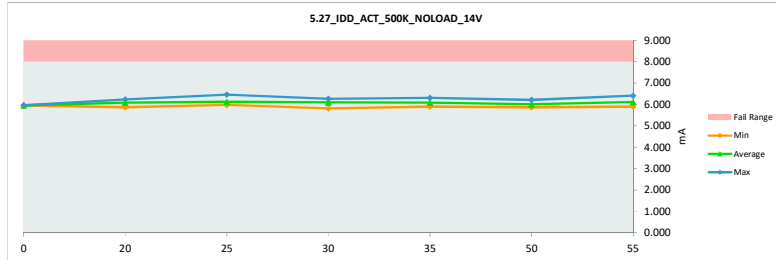
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	5.968	5.957	-0.011
25	1	6.096	6.162	0.066
25	2	5.982	5.975	-0.007
25	3	6.031	6.027	-0.004
25	4	5.950	5.975	0.025
25	5	6.341	6.462	0.121
20	6	5.812	5.871	0.059
20	7	6.103	6.145	0.042
20	8	6.211	6.238	0.027
20	9	6.023	6.063	0.040
20	10	6.068	6.109	0.041
35	11	6.265	6.314	0.049
35	12	6.056	6.088	0.032
35	13	6.123	6.113	-0.010
35	14	6.025	6.030	0.005
35	15	5.845	5.896	0.051
30	16	6.214	6.264	0.050
30	17	6.107	6.146	0.039
30	18	6.040	6.083	0.043
30	19	5.835	5.815	-0.020
30	20	6.201	6.206	0.005
55	21	5.969	6.056	0.087
55	22	5.977	5.954	-0.023
55	23	6.280	6.323	0.043
55	24	5.849	5.903	0.054
55	25	6.123	6.179	0.056
55	26	5.888	5.925	0.037
55	27	5.994	6.016	0.022
55	28	6.222	6.363	0.141
55	29	5.895	6.006	0.111
55	30	6.083	6.075	-0.008
55	31	5.833	5.899	0.066
55	32	5.982	6.096	0.114
55	33	6.288	6.410	0.122
55	34	6.011	6.041	0.030
55	35	6.007	5.999	-0.008
55	36	6.170	6.285	0.115
55	37	5.982	6.028	0.046
55	38	6.129	6.253	0.124
55	39	6.017	6.120	0.103
55	40	6.070	6.075	0.005
55	41	6.088	6.169	0.081
55	42	6.070	6.245	0.175
50	43	5.871	5.869	-0.002
50	44	5.879	5.925	0.046
50	45	5.953	6.040	0.087
50	46	6.208	6.212	0.004
50	47	5.992	5.998	0.006
	Max	6.341	6.462	0.175
	Average	6.044	6.092	0.047
	Min	5.812	5.815	-0.023
	Std Dev	0.132	0.150	0.047



5.27_IDD_ACT_500K_NOLOAD

Test Site		
Tester		
Test Number		
Max Limit	8	mA
Min Limit		

krad(Si)	0	20	25	30	35	50	55
LL							
Min	5.957	5.871	5.975	5.815	5.896	5.869	5.899
Average	5.957	6.085	6.120	6.103	6.088	6.009	6.110
Max	5.957	6.238	6.462	6.264	6.314	6.212	6.410
UL	8.000	8.000	8.000	8.000	8.000	8.000	8.000



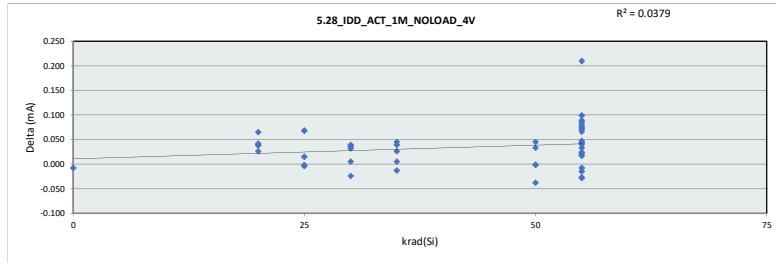
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.28_IDD_ACT_1M_NOLOAD_4V

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	9.5	9.5
Min Limit		

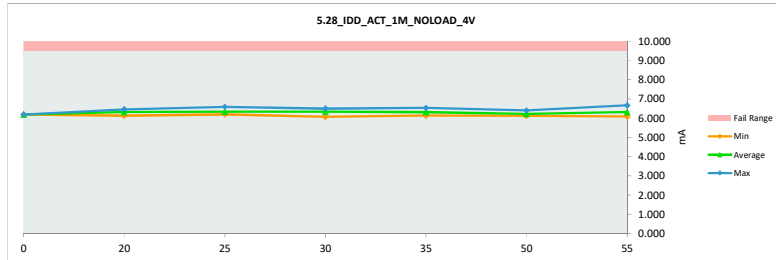
krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	6.197	6.189	-0.008
25	1	6.347	6.415	0.068
25	2	6.231	6.227	-0.004
25	3	6.244	6.242	-0.002
25	4	6.178	6.193	0.015
25	5	6.518	6.586	0.068
20	6	6.065	6.130	0.065
20	7	6.322	6.360	0.038
20	8	6.435	6.461	0.026
20	9	6.260	6.299	0.039
20	10	6.298	6.340	0.042
35	11	6.494	6.533	0.039
35	12	6.279	6.305	0.026
35	13	6.325	6.312	-0.013
35	14	6.271	6.276	0.005
35	15	6.094	6.139	0.045
30	16	6.452	6.491	0.039
30	17	6.340	6.372	0.032
30	18	6.296	6.332	0.036
30	19	6.096	6.072	-0.024
30	20	6.423	6.428	0.005
55	21	6.195	6.273	0.078
55	22	6.238	6.210	-0.028
55	23	6.492	6.511	0.019
55	24	6.091	6.135	0.044
55	25	6.356	6.399	0.043
55	26	6.135	6.168	0.033
55	27	6.233	6.250	0.017
55	28	6.445	6.532	0.087
55	29	6.050	6.090	0.040
55	30	6.323	6.296	-0.027
55	31	6.075	6.146	0.071
55	32	6.213	6.312	0.099
55	33	6.455	6.665	0.210
55	34	6.236	6.260	0.024
55	35	6.264	6.256	-0.008
55	36	6.408	6.431	0.023
55	37	6.208	6.255	0.047
55	38	6.381	6.447	0.066
55	39	6.230	6.319	0.089
55	40	6.298	6.283	-0.015
55	41	6.323	6.406	0.083
55	42	6.282	6.356	0.074
50	43	6.120	6.118	-0.002
50	44	6.101	6.146	0.045
50	45	6.200	6.233	0.033
50	46	6.440	6.402	-0.038
50	47	6.207	6.206	-0.001
Max		6.518	6.665	0.210
Average		6.274	6.308	0.034
Min		6.050	6.072	-0.038
Std Dev		0.125	0.137	0.043



5.28_IDD_ACT_1M_NOLOAD_4V

Test Site	
Tester	
Test Number	
Max Limit	9.5 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.189	6.130	6.193	6.072	6.139	6.118	6.090
Average	6.189	6.318	6.333	6.339	6.313	6.221	6.318
Max	6.189	6.461	6.586	6.491	6.533	6.402	6.665
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500



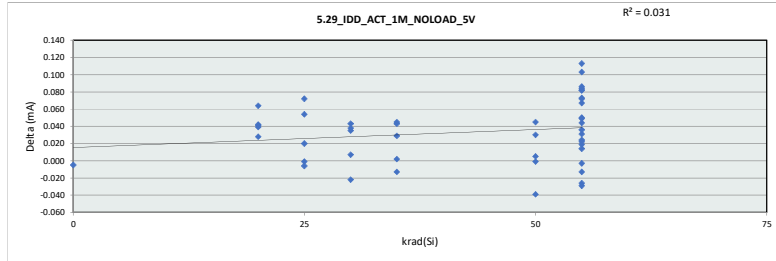
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.29_IDD_ACT_1M_NOLOAD_5V

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	9.5	9.5
Min Limit		

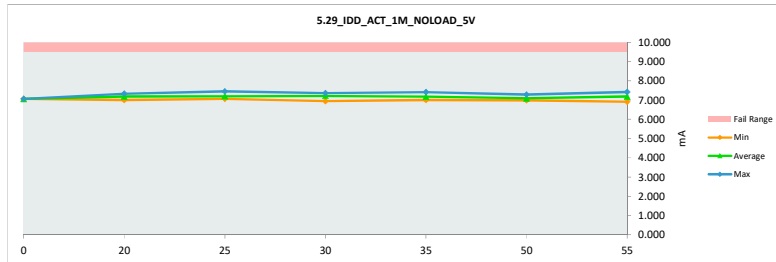
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.067	7.062		-0.005
25	1	7.224	7.296		0.072
25	2	7.085	7.084		-0.001
25	3	7.122	7.116		-0.006
25	4	7.040	7.060		0.020
25	5	7.395	7.449		0.054
20	6	6.935	6.999		0.064
20	7	7.174	7.215		0.041
20	8	7.303	7.331		0.028
20	9	7.128	7.167		0.039
20	10	7.169	7.211		0.042
35	11	7.367	7.412		0.045
35	12	7.144	7.173		0.029
35	13	7.179	7.166		-0.013
35	14	7.135	7.137		0.002
35	15	6.960	7.003		0.043
30	16	7.319	7.362		0.043
30	17	7.212	7.250		0.038
30	18	7.167	7.202		0.035
30	19	6.962	6.940		-0.022
30	20	7.304	7.311		0.007
55	21	7.065	7.147		0.082
55	22	7.106	7.077		-0.029
55	23	7.372	7.391		0.019
55	24	6.958	7.007		0.049
55	25	7.226	7.276		0.050
55	26	7.007	7.038		0.031
55	27	7.106	7.120		0.014
55	28	7.324	7.410		0.086
55	29	6.877	6.913		0.036
55	30	7.198	7.172		-0.026
55	31	6.943	7.015		0.072
55	32	7.076	7.179		0.103
55	33	7.306	7.419		0.113
55	34	7.110	7.134		0.024
55	35	7.128	7.125		-0.003
55	36	7.280	7.302		0.022
55	37	7.080	7.124		0.044
55	38	7.254	7.321		0.067
55	39	7.103	7.187		0.084
55	40	7.165	7.152		-0.013
55	41	7.198	7.280		0.082
55	42	7.146	7.219		0.073
50	43	6.984	6.983		-0.001
50	44	6.964	7.009		0.045
50	45	7.068	7.098		0.030
50	46	7.323	7.284		-0.039
50	47	7.071	7.076		0.005
	Max	7.395	7.449		0.113
	Average	7.142	7.175		0.033
	Min	6.877	6.913		-0.039
	Std Dev	0.129	0.136		0.036



5.29_IDD_ACT_1M_NOLOAD_5V

Test Site		
Tester		
Test Number		
Max Limit	9.5	mA
Min Limit		mA

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.062	6.999	7.060	6.940	7.003	6.983	6.913
Average	7.062	7.185	7.201	7.213	7.178	7.090	7.182
Max	7.062	7.331	7.449	7.362	7.412	7.284	7.419
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500



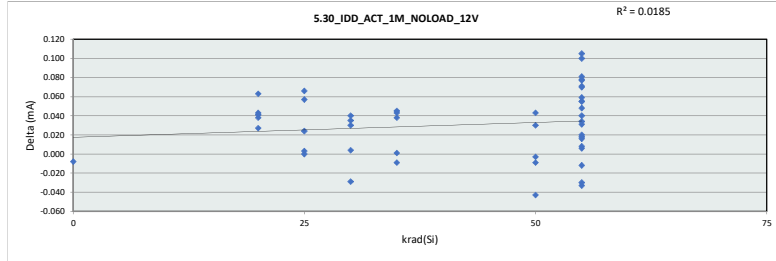
**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.30_IDD_ACT_1M_NOLOAD_12V

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	9.5	9.5
Min Limit		

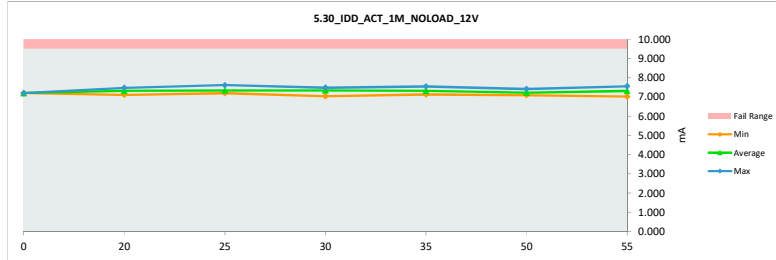
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.211	7.203		-0.008
25	1	7.328	7.394		0.066
25	2	7.188	7.191		0.003
25	3	7.292	7.292		0.000
25	4	7.182	7.206		0.024
25	5	7.556	7.613		0.057
20	6	7.045	7.108		0.063
20	7	7.309	7.350		0.041
20	8	7.447	7.474		0.027
20	9	7.256	7.294		0.038
20	10	7.310	7.353		0.043
35	11	7.501	7.546		0.045
35	12	7.302	7.340		0.038
35	13	7.340	7.331		-0.009
35	14	7.239	7.240		0.001
35	15	7.083	7.126		0.043
30	16	7.435	7.475		0.040
30	17	7.353	7.383		0.030
30	18	7.276	7.311		0.035
30	19	7.069	7.040		-0.029
30	20	7.468	7.472		0.004
55	21	7.220	7.301		0.081
55	22	7.201	7.168		-0.033
55	23	7.537	7.553		0.016
55	24	7.089	7.144		0.055
55	25	7.374	7.422		0.048
55	26	7.123	7.154		0.031
55	27	7.241	7.247		0.006
55	28	7.467	7.544		0.077
55	29	6.986	7.020		0.034
55	30	7.334	7.304		-0.030
55	31	7.063	7.134		0.071
55	32	7.221	7.321		0.100
55	33	7.431	7.536		0.105
55	34	7.261	7.279		0.018
55	35	7.230	7.218		-0.012
55	36	7.402	7.422		0.020
55	37	7.222	7.262		0.040
55	38	7.359	7.418		0.059
55	39	7.275	7.330		0.055
55	40	7.314	7.322		0.008
55	41	7.333	7.411		0.078
55	42	7.299	7.369		0.070
50	43	7.096	7.087		-0.009
50	44	7.114	7.157		0.043
50	45	7.182	7.212		0.030
50	46	7.459	7.416		-0.043
50	47	7.238	7.235		-0.003
	Max	7.556	7.613		0.105
	Average	7.276	7.307		0.031
	Min	6.986	7.020		-0.043
	Std Dev	0.136	0.142		0.035



5.30_IDD_ACT_1M_NOLOAD_12V

Test Site		
Tester		
Test Number		
Max Limit	9.5	mA
Min Limit		

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.203	7.108	7.191	7.040	7.126	7.087	7.020
Average	7.203	7.316	7.339	7.336	7.317	7.221	7.313
Max	7.203	7.474	7.613	7.475	7.546	7.416	7.553
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500



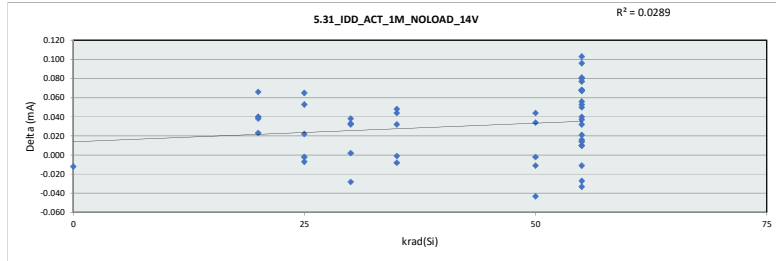
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.31_IDD_ACT_1M_NOLOAD_14

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	9.5	9.5
Min Limit		

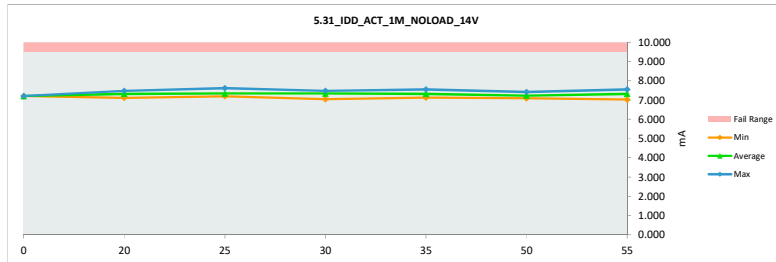
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.219	7.207		-0.012
25	1	7.333	7.398		0.065
25	2	7.194	7.192		-0.002
25	3	7.299	7.292		-0.007
25	4	7.191	7.213		0.022
25	5	7.564	7.617		0.053
20	6	7.048	7.114		0.066
20	7	7.314	7.354		0.040
20	8	7.454	7.477		0.023
20	9	7.260	7.300		0.040
20	10	7.317	7.355		0.038
35	11	7.505	7.553		0.048
35	12	7.309	7.341		0.032
35	13	7.345	7.337		-0.008
35	14	7.244	7.243		-0.001
35	15	7.086	7.130		0.044
30	16	7.440	7.478		0.038
30	17	7.355	7.388		0.033
30	18	7.281	7.313		0.032
30	19	7.074	7.046		-0.028
30	20	7.473	7.475		0.002
55	21	7.225	7.306		0.081
55	22	7.202	7.175		-0.027
55	23	7.543	7.553		0.010
55	24	7.096	7.146		0.050
55	25	7.375	7.428		0.053
55	26	7.126	7.158		0.032
55	27	7.244	7.254		0.010
55	28	7.469	7.546		0.077
55	29	6.991	7.028		0.037
55	30	7.342	7.309		-0.033
55	31	7.068	7.136		0.068
55	32	7.228	7.324		0.096
55	33	7.433	7.536		0.103
55	34	7.267	7.283		0.016
55	35	7.235	7.224		-0.011
55	36	7.407	7.428		0.021
55	37	7.226	7.266		0.040
55	38	7.359	7.427		0.068
55	39	7.283	7.339		0.056
55	40	7.315	7.329		0.014
55	41	7.335	7.415		0.080
55	42	7.303	7.370		0.067
50	43	7.101	7.090		-0.011
50	44	7.121	7.165		0.044
50	45	7.185	7.219		0.034
50	46	7.463	7.420		-0.043
50	47	7.243	7.241		-0.002
	Max	7.564	7.617		0.103
	Average	7.281	7.311		0.030
	Min	6.991	7.028		-0.043
	Std Dev	0.136	0.142		0.035



5.31_IDD_ACT_1M_NOLOAD

Test Site		
Tester		
Test Number		
Max Limit	9.5	mA
Min Limit		

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.207	7.114	7.192	7.046	7.130	7.090	7.028
Average	7.207	7.320	7.342	7.340	7.321	7.227	7.317
Max	7.207	7.477	7.617	7.478	7.553	7.420	7.553
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500



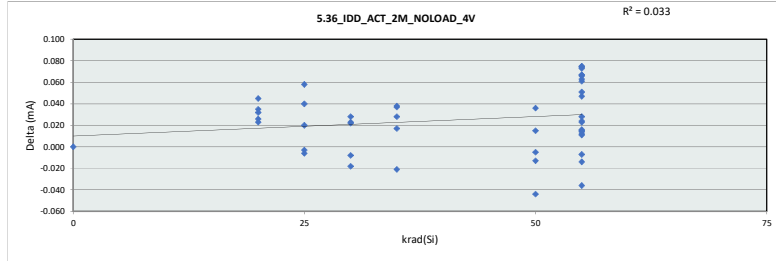
**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.36_IDD_ACT_2M_NOLOAD_4V

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	13.5	13.5
Min Limit		

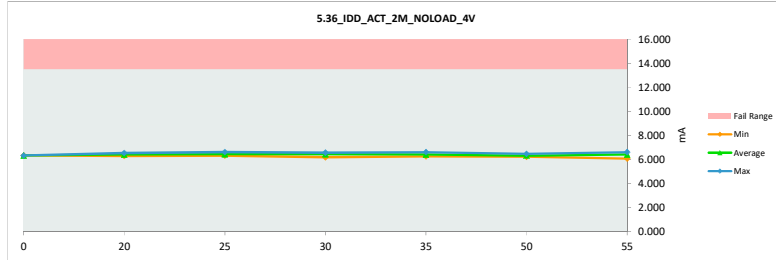
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	6.321	6.321	0.000
25	1	6.452	6.510	0.058
25	2	6.311	6.305	-0.006
25	3	6.356	6.353	-0.003
25	4	6.386	6.406	0.020
25	5	6.573	6.613	0.040
20	6	6.236	6.281	0.045
20	7	6.402	6.425	0.023
20	8	6.508	6.534	0.026
20	9	6.338	6.373	0.035
20	10	6.397	6.429	0.032
35	11	6.559	6.597	0.038
35	12	6.396	6.424	0.028
35	13	6.400	6.379	-0.021
35	14	6.370	6.387	0.017
35	15	6.217	6.254	0.037
30	16	6.539	6.561	0.022
30	17	6.429	6.457	0.028
30	18	6.440	6.463	0.023
30	19	6.200	6.182	-0.018
30	20	6.525	6.517	-0.008
55	21	6.285	6.348	0.063
55	22	6.357	6.321	-0.036
55	23	6.576	6.592	0.016
55	24	6.210	6.234	0.024
55	25	6.471	6.499	0.028
55	26	6.287	6.310	0.023
55	27	6.339	6.353	0.014
55	28	6.524	6.598	0.074
55	29	6.022	6.069	0.047
55	30	6.435	6.421	-0.014
55	31	6.223	6.274	0.051
55	32	6.305	6.380	0.075
55	33	6.498	6.564	0.066
55	34	6.353	6.365	0.012
55	35	6.360	6.353	-0.007
55	36	6.477	6.492	0.015
55	37	6.294	6.355	0.061
55	38	6.468	6.543	0.075
55	39	6.326	6.399	0.073
55	40	6.365	6.376	0.011
55	41	6.418	6.485	0.067
55	42	6.396	6.463	0.067
50	43	6.218	6.213	-0.005
50	44	6.184	6.220	0.036
50	45	6.310	6.325	0.015
50	46	6.502	6.458	-0.044
50	47	6.315	6.302	-0.013
Max		6.576	6.613	0.075
Average		6.372	6.398	0.025
Min		6.022	6.069	-0.044
Std Dev		0.117	0.121	0.030



5.36_IDD_ACT_2M_NOLOAD_4V

Test Site	
Tester	
Test Number	
Max Limit	13.5 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.321	6.281	6.305	6.182	6.254	6.213	6.069
Average	6.321	6.408	6.437	6.436	6.408	6.304	6.400
Max	6.321	6.534	6.613	6.561	6.597	6.458	6.598
UL	13.500	13.500	13.500	13.500	13.500	13.500	13.500



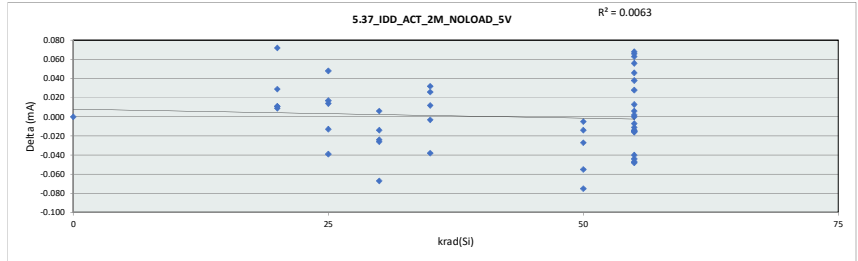
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.37_IDD_ACT_2M_NOLOAD_5V

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	13.5	13.5
Min Limit		

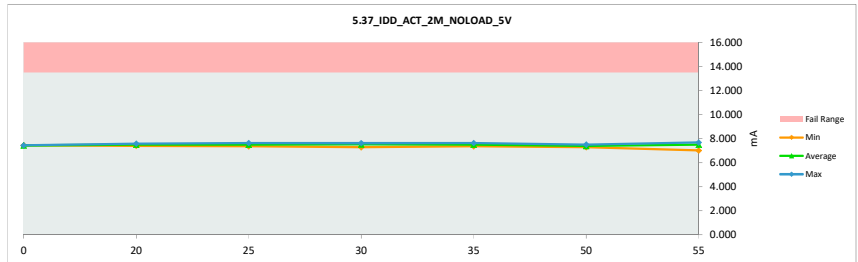
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.431	7.431		0.000
25	1	7.565	7.579		0.014
25	2	7.396	7.357		-0.039
25	3	7.466	7.453		-0.013
25	4	7.395	7.443		0.048
25	5	7.608	7.625		0.017
20	6	7.318	7.390		0.072
20	7	7.504	7.533		0.029
20	8	7.572	7.583		0.011
20	9	7.420	7.429		0.009
20	10	7.502	7.513		0.011
35	11	7.597	7.623		0.026
35	12	7.530	7.542		0.012
35	13	7.502	7.464		-0.038
35	14	7.495	7.492		-0.003
35	15	7.326	7.358		0.032
30	16	7.644	7.620		-0.024
30	17	7.501	7.507		0.006
30	18	7.556	7.542		-0.014
30	19	7.299	7.273		-0.026
30	20	7.675	7.608		-0.067
55	21	7.417	7.419		0.002
55	22	7.501	7.453		-0.048
55	23	7.661	7.654		-0.007
55	24	7.369	7.355		-0.014
55	25	7.605	7.561		-0.044
55	26	7.390	7.453		0.063
55	27	7.449	7.438		-0.011
55	28	7.641	7.669		0.028
55	29	6.941	7.007		0.066
55	30	7.622	7.575		-0.047
55	31	7.323	7.391		0.068
55	32	7.451	7.435		-0.016
55	33	7.594	7.594		0.000
55	34	7.514	7.499		-0.015
55	35	7.505	7.465		-0.040
55	36	7.541	7.526		-0.015
55	37	7.446	7.492		0.046
55	38	7.614	7.652		0.038
55	39	7.457	7.470		0.013
55	40	7.452	7.458		0.006
55	41	7.560	7.545		-0.015
55	42	7.550	7.606		0.056
50	43	7.347	7.320		-0.027
50	44	7.299	7.285		-0.014
50	45	7.458	7.453		-0.005
50	46	7.573	7.498		-0.075
50	47	7.441	7.386		-0.055
	Max	7.675	7.669		0.072
	Average	7.480	7.480		0.000
	Min	6.941	7.007		-0.075
	Std Dev	0.128	0.120		0.036



5.37_IDD_ACT_2M_NOLOAD_5V

Test Site		
Tester		
Test Number		
Max Limit	13.5	mA
Min Limit		

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.431	7.390	7.357	7.273	7.358	7.285	7.007
Average	7.431	7.490	7.491	7.510	7.496	7.388	7.487
Max	7.431	7.583	7.625	7.620	7.623	7.498	7.669
UL	13.500	13.500	13.500	13.500	13.500	13.500	13.500



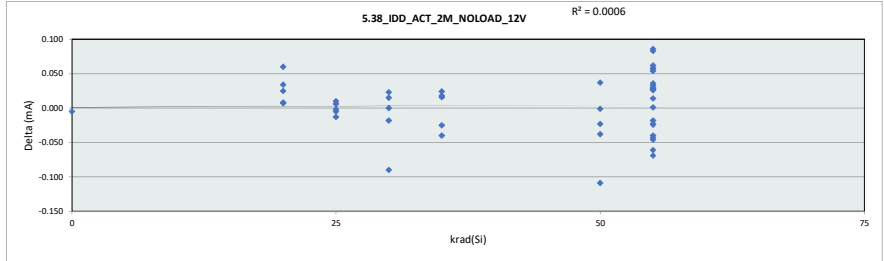
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.38_IDD_ACT_2M_NOLOAD_12

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	13.5	13.5
Min Limit		

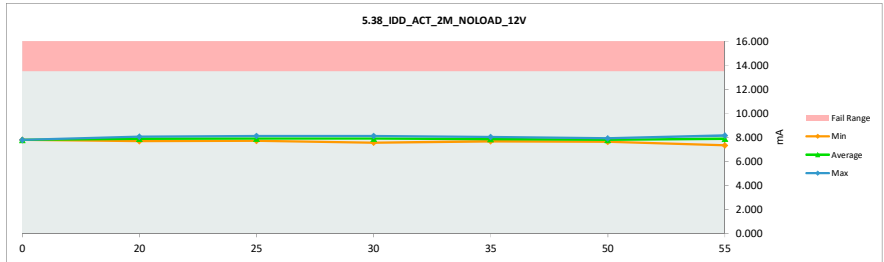
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.801	7.796		-0.005
25	1	7.913	7.923		0.010
25	2	7.714	7.712		-0.002
25	3	7.952	7.939		-0.013
25	4	7.759	7.765		0.006
25	5	8.118	8.113		-0.005
20	6	7.625	7.685		0.060
20	7	7.859	7.884		0.025
20	8	8.052	8.059		0.007
20	9	7.838	7.846		0.008
20	10	7.939	7.973		0.034
35	11	8.026	8.042		0.016
35	12	7.934	7.958		0.024
35	13	7.918	7.878		-0.040
35	14	7.784	7.759		-0.025
35	15	7.656	7.674		0.018
30	16	7.985	8.008		0.023
30	17	7.951	7.951		0.000
30	18	7.855	7.870		0.015
30	19	7.643	7.553		-0.090
30	20	8.132	8.114		-0.018
55	21	7.858	7.920		0.062
55	22	7.768	7.699		-0.069
55	23	8.172	8.154		-0.018
55	24	7.709	7.723		0.014
55	25	8.002	8.038		0.036
55	26	7.702	7.785		0.083
55	27	7.847	7.804		-0.043
55	28	8.080	8.108		0.028
55	29	7.277	7.334		0.057
55	30	7.990	7.944		-0.046
55	31	7.652	7.738		0.086
55	32	7.848	7.902		0.054
55	33	8.018	7.995		-0.023
55	34	7.902	7.878		-0.024
55	35	7.796	7.735		-0.061
55	36	7.953	7.913		-0.040
55	37	7.824	7.852		0.028
55	38	7.917	7.918		0.001
55	39	7.925	7.955		0.030
55	40	7.929	7.962		0.033
55	41	7.949	7.975		0.026
55	42	7.946	8.004		0.058
50	43	7.666	7.628		-0.038
50	44	7.725	7.702		-0.023
50	45	7.767	7.766		-0.001
50	46	8.028	7.919		-0.109
50	47	7.879	7.916		0.037
Max		8.172	8.154		0.086
Average		7.866	7.870		0.004
Min		7.277	7.334		-0.109
Std Dev		0.161	0.159		0.042



5.38_IDD_ACT_2M_NOLOAD

Test Site	
Tester	
Test Number	
Max Limit	13.5 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.796	7.685	7.712	7.553	7.674	7.628	7.334
Average	7.796	7.889	7.890	7.899	7.862	7.786	7.879
Max	7.796	8.059	8.113	8.114	8.042	7.919	8.154
UL	13.500	13.500	13.500	13.500	13.500	13.500	13.500



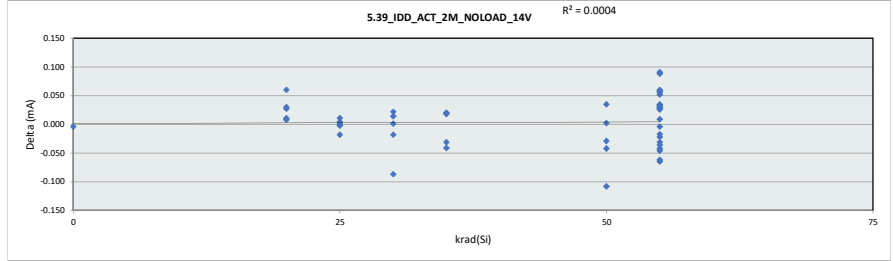
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.39_IDD_ACT_2M_NOLOAD_14

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	13.5	13.5
Min Limit		

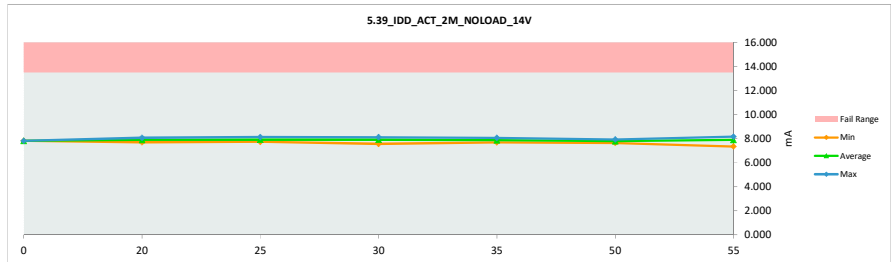
krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	7.807	7.803	-0.004
25	1	7.916	7.927	0.011
25	2	7.720	7.720	0.000
25	3	7.957	7.939	-0.018
25	4	7.765	7.769	0.004
25	5	8.122	8.120	-0.002
20	6	7.628	7.688	0.060
20	7	7.862	7.889	0.027
20	8	8.055	8.063	0.008
20	9	7.842	7.853	0.011
20	10	7.945	7.975	0.030
35	11	8.030	8.048	0.018
35	12	7.940	7.960	0.020
35	13	7.924	7.883	-0.041
35	14	7.791	7.760	-0.031
35	15	7.660	7.679	0.019
30	16	7.989	8.011	0.022
30	17	7.954	7.955	0.001
30	18	7.859	7.873	0.014
30	19	7.644	7.557	-0.087
30	20	8.134	8.116	-0.018
55	21	7.863	7.921	0.058
55	22	7.773	7.708	-0.065
55	23	8.175	8.158	-0.017
55	24	7.718	7.727	0.009
55	25	8.007	8.042	0.035
55	26	7.702	7.790	0.088
55	27	7.854	7.808	-0.046
55	28	8.084	8.110	0.026
55	29	7.278	7.338	0.060
55	30	7.992	7.950	-0.042
55	31	7.654	7.745	0.091
55	32	7.852	7.904	0.052
55	33	8.019	7.997	-0.022
55	34	7.909	7.878	-0.031
55	35	7.800	7.738	-0.062
55	36	7.956	7.920	-0.036
55	37	7.830	7.858	0.028
55	38	7.925	7.921	-0.004
55	39	7.931	7.961	0.030
55	40	7.931	7.964	0.033
55	41	7.950	7.979	0.029
55	42	7.948	8.004	0.056
50	43	7.672	7.630	-0.042
50	44	7.731	7.702	-0.029
50	45	7.770	7.772	0.002
50	46	8.029	7.921	-0.108
50	47	7.883	7.918	0.035
Max		8.175	8.158	0.091
Average		7.870	7.874	0.004
Min		7.278	7.338	-0.108
Std Dev		0.161	0.159	0.042



5.39_IDD_ACT_2M_NOLOAD

Test Site		
Tester		
Test Number		
Max Limit	13.5	mA
Min Limit		mA

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.803	7.688	7.720	7.557	7.679	7.630	7.338
Average	7.803	7.894	7.895	7.902	7.866	7.789	7.883
Max	7.803	8.063	8.120	8.116	8.048	7.921	8.158
UL	13.500	13.500	13.500	13.500	13.500	13.500	13.500

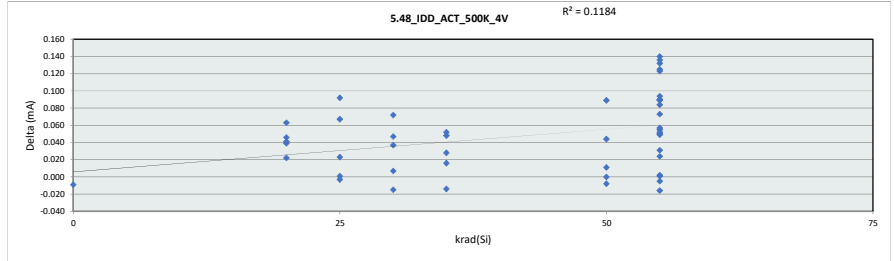


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

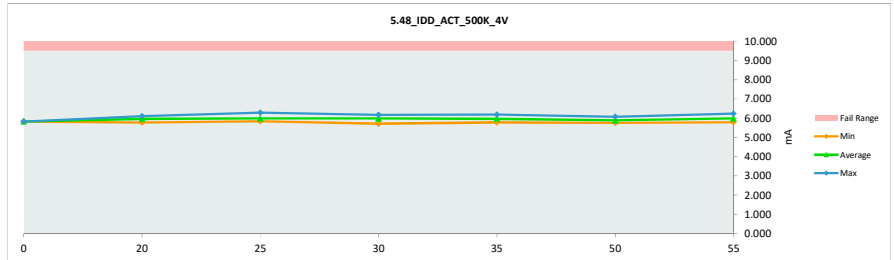
5.48_IDD_ACT_500K_4V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	9.5 9.5
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.834	5.825		-0.009
25	1	5.984	6.051		0.067
25	2	5.872	5.873		0.001
25	3	5.876	5.873		-0.003
25	4	5.816	5.839		0.023
25	5	6.192	6.284		0.092
20	6	5.706	5.769		0.063
20	7	5.984	6.023		0.039
20	8	6.079	6.101		0.022
20	9	5.899	5.940		0.041
20	10	5.931	5.977		0.046
35	11	6.133	6.185		0.052
35	12	5.912	5.940		0.028
35	13	5.988	5.974		-0.014
35	14	5.914	5.930		0.016
35	15	5.733	5.781		0.048
30	16	6.097	6.169		0.072
30	17	5.976	6.023		0.047
30	18	5.936	5.973		0.037
30	19	5.728	5.713		-0.015
30	20	6.057	6.064		0.007
55	21	5.831	5.920		0.089
55	22	5.875	5.859		-0.016
55	23	6.144	6.199		0.055
55	24	5.727	5.784		0.057
55	25	5.990	6.040		0.050
55	26	5.780	5.811		0.031
55	27	5.871	5.895		0.024
55	28	6.097	6.237		0.140
55	29	5.770	5.854		0.084
55	30	5.955	5.957		0.002
55	31	5.716	5.789		0.073
55	32	5.850	5.973		0.123
55	33	6.144	6.234		0.090
55	34	5.880	5.929		0.049
55	35	5.901	5.896		-0.005
55	36	6.064	6.158		0.094
55	37	5.850	5.902		0.052
55	38	6.025	6.150		0.125
55	39	5.870	6.006		0.136
55	40	5.942	5.943		0.001
55	41	5.958	6.048		0.090
55	42	5.948	6.080		0.132
50	43	5.761	5.761		0.000
50	44	5.747	5.791		0.044
50	45	5.839	5.928		0.089
50	46	6.079	6.071		-0.008
50	47	5.846	5.857		0.011
	Max	6.192	6.284		0.140
	Average	5.919	5.966		0.047
	Min	5.706	5.713		-0.016
	Std Dev	0.127	0.142		0.043



5.48_IDD_ACT_500K_4V	
Test Site	
Tester	
Test Number	
Max Limit	9.5 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	5.825	5.769	5.839	5.713	5.781	5.761	5.784
Average	5.825	5.962	5.984	5.988	5.962	5.882	5.985
Max	5.825	6.101	6.284	6.169	6.185	6.071	6.237
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500

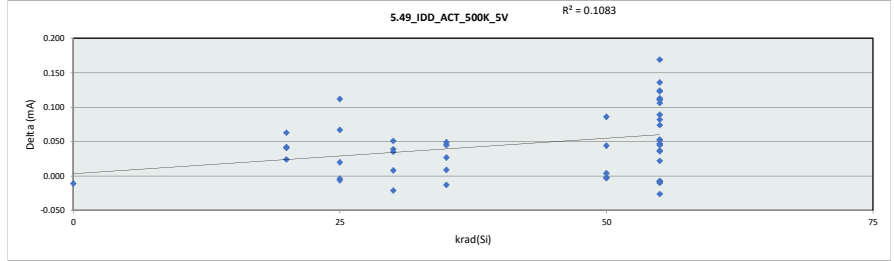


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

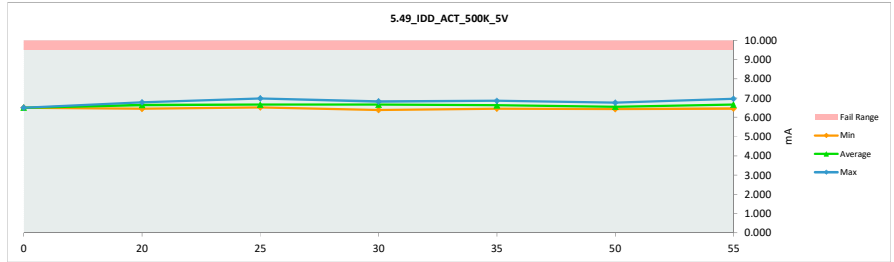
5.49_IDD_ACT_500K_5V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	9.5 9.5
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	6.510	6.499		-0.011
25	1	6.665	6.732		0.067
25	2	6.540	6.534		-0.006
25	3	6.556	6.552		-0.004
25	4	6.490	6.510		0.020
25	5	6.867	6.979		0.112
20	6	6.380	6.443		0.063
20	7	6.650	6.691		0.041
20	8	6.750	6.774		0.024
20	9	6.572	6.613		0.041
20	10	6.608	6.650		0.042
35	11	6.811	6.860		0.049
35	12	6.587	6.614		0.027
35	13	6.658	6.645		-0.013
35	14	6.585	6.594		0.009
35	15	6.403	6.448		0.045
30	16	6.772	6.823		0.051
30	17	6.653	6.692		0.039
30	18	6.612	6.647		0.035
30	19	6.403	6.382		-0.021
30	20	6.743	6.751		0.008
55	21	6.506	6.595		0.089
55	22	6.551	6.525		-0.026
55	23	6.814	6.859		0.045
55	24	6.401	6.453		0.052
55	25	6.663	6.716		0.053
55	26	6.453	6.490		0.037
55	27	6.544	6.566		0.022
55	28	6.766	6.902		0.136
55	29	6.417	6.523		0.106
55	30	6.636	6.626		-0.010
55	31	6.390	6.464		0.074
55	32	6.522	6.633		0.111
55	33	6.837	6.961		0.124
55	34	6.557	6.593		0.036
55	35	6.575	6.567		-0.008
55	36	6.725	6.836		0.111
55	37	6.526	6.573		0.047
55	38	6.705	6.828		0.123
55	39	6.547	6.660		0.113
55	40	6.610	6.603		-0.007
55	41	6.636	6.718		0.082
55	42	6.600	6.769		0.169
50	43	6.430	6.427		-0.003
50	44	6.415	6.459		0.044
50	45	6.512	6.598		0.086
50	46	6.763	6.761		-0.002
50	47	6.516	6.520		0.004
	Max	6.867	6.979		0.169
	Average	6.592	6.639		0.046
	Min	6.380	6.382		-0.026
	Std Dev	0.130	0.147		0.047



5.49_IDD_ACT_500K_5V	
Test Site	
Tester	
Test Number	
Max Limit	9.5 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.499	6.443	6.510	6.382	6.448	6.427	6.453
Average	6.499	6.634	6.661	6.659	6.632	6.553	6.657
Max	6.499	6.774	6.979	6.823	6.860	6.761	6.961
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500

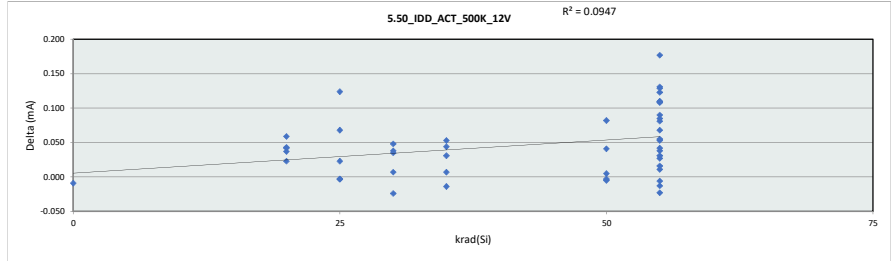


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

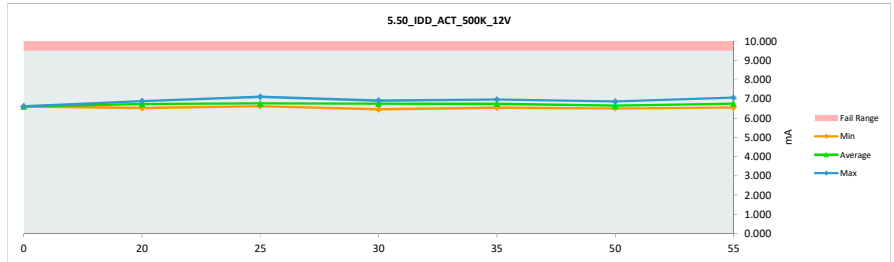
5.50_IDD_ACT_500K_12V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	9.5 9.5
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	6.620	6.611		-0.009
25	1	6.743	6.811		0.068
25	2	6.618	6.615		-0.003
25	3	6.689	6.686		-0.003
25	4	6.601	6.624		0.023
25	5	6.988	7.112		0.124
20	6	6.467	6.526		0.059
20	7	6.753	6.796		0.043
20	8	6.865	6.888		0.023
20	9	6.671	6.708		0.037
20	10	6.719	6.761		0.042
35	11	6.914	6.967		0.053
35	12	6.711	6.742		0.031
35	13	6.786	6.772		-0.014
35	14	6.668	6.675		0.007
35	15	6.500	6.544		0.044
30	16	6.862	6.910		0.048
30	17	6.761	6.799		0.038
30	18	6.694	6.729		0.035
30	19	6.484	6.460		-0.024
30	20	6.866	6.873		0.007
55	21	6.626	6.711		0.085
55	22	6.619	6.596		-0.023
55	23	6.941	6.972		0.031
55	24	6.503	6.558		0.055
55	25	6.774	6.827		0.053
55	26	6.540	6.578		0.038
55	27	6.650	6.666		0.016
55	28	6.872	7.003		0.131
55	29	6.502	6.610		0.108
55	30	6.736	6.723		-0.013
55	31	6.486	6.554		0.068
55	32	6.632	6.742		0.110
55	33	6.936	7.065		0.129
55	34	6.676	6.703		0.027
55	35	6.650	6.644		-0.006
55	36	6.819	6.929		0.110
55	37	6.636	6.678		0.042
55	38	6.778	6.901		0.123
55	39	6.680	6.770		0.090
55	40	6.719	6.730		0.011
55	41	6.740	6.821		0.081
55	42	6.710	6.887		0.177
50	43	6.512	6.507		-0.005
50	44	6.531	6.572		0.041
50	45	6.598	6.680		0.082
50	46	6.869	6.866		-0.003
50	47	6.641	6.646		0.005
	Max	6.988	7.112		0.177
	Average	6.695	6.741		0.046
	Min	6.467	6.460		-0.024
	Std Dev	0.134	0.151		0.047



5.50_IDD_ACT_500K_12V	
Test Site	
Tester	
Test Number	
Max Limit	9.5 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.611	6.526	6.615	6.460	6.544	6.507	6.554
Average	6.611	6.736	6.770	6.754	6.740	6.654	6.758
Max	6.611	6.888	7.112	6.910	6.967	6.866	7.065
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500

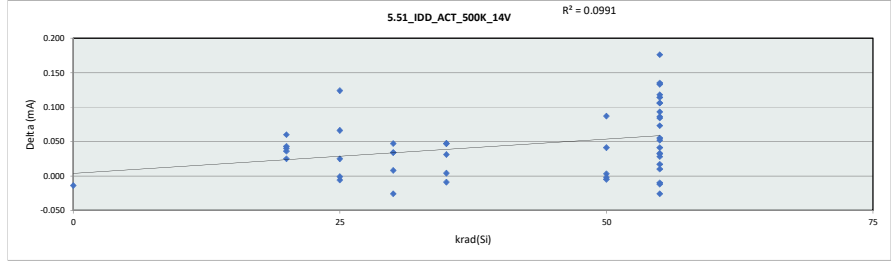


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

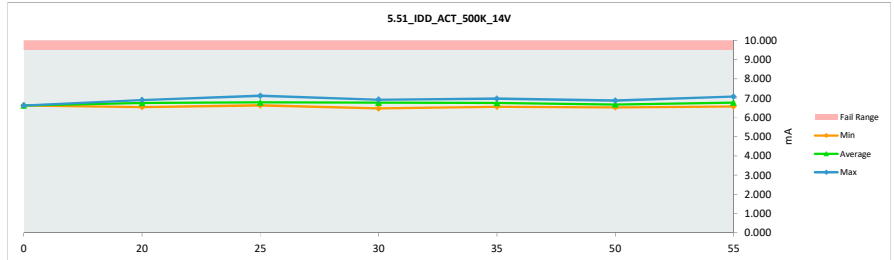
5.51_IDD_ACT_500K_14V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	9.5 9.5
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	6.627	6.613		-0.014
25	1	6.746	6.812		0.066
25	2	6.624	6.618		-0.006
25	3	6.692	6.691		-0.001
25	4	6.605	6.630		0.025
25	5	6.992	7.116		0.124
20	6	6.471	6.531		0.060
20	7	6.758	6.798		0.040
20	8	6.868	6.893		0.025
20	9	6.677	6.713		0.036
20	10	6.722	6.765		0.043
35	11	6.920	6.967		0.047
35	12	6.717	6.748		0.031
35	13	6.790	6.781		-0.009
35	14	6.673	6.677		0.004
35	15	6.501	6.548		0.047
30	16	6.867	6.914		0.047
30	17	6.765	6.799		0.034
30	18	6.699	6.733		0.034
30	19	6.489	6.463		-0.026
30	20	6.872	6.880		0.008
55	21	6.630	6.716		0.086
55	22	6.625	6.599		-0.026
55	23	6.944	6.977		0.033
55	24	6.508	6.563		0.055
55	25	6.782	6.834		0.052
55	26	6.548	6.580		0.032
55	27	6.652	6.669		0.017
55	28	6.875	7.010		0.135
55	29	6.507	6.613		0.106
55	30	6.742	6.732		-0.010
55	31	6.486	6.559		0.073
55	32	6.638	6.744		0.106
55	33	6.937	7.070		0.133
55	34	6.681	6.709		0.028
55	35	6.657	6.645		-0.012
55	36	6.820	6.934		0.114
55	37	6.640	6.681		0.041
55	38	6.785	6.903		0.118
55	39	6.682	6.775		0.093
55	40	6.726	6.736		0.010
55	41	6.743	6.827		0.084
55	42	6.715	6.891		0.176
50	43	6.518	6.513		-0.005
50	44	6.536	6.577		0.041
50	45	6.603	6.690		0.087
50	46	6.871	6.869		-0.002
50	47	6.647	6.650		0.003
	Max	6.992	7.116		0.176
	Average	6.699	6.745		0.045
	Min	6.471	6.463		-0.026
	Std Dev	0.134	0.152		0.048



5.51_IDD_ACT_500K_14V	
Test Site	
Tester	
Test Number	
Max Limit	9.5 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.613	6.531	6.618	6.463	6.548	6.513	6.559
Average	6.613	6.740	6.773	6.758	6.744	6.660	6.762
Max	6.613	6.893	7.116	6.914	6.967	6.869	7.070
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500

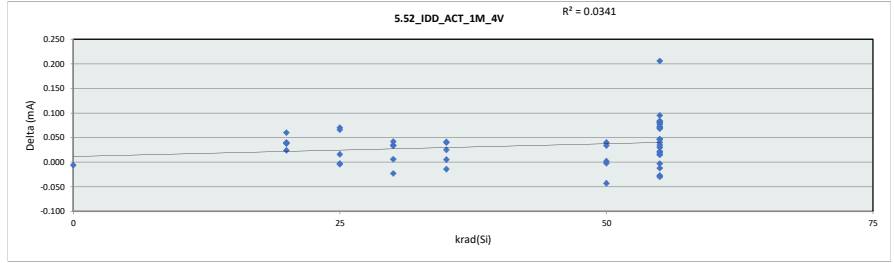


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

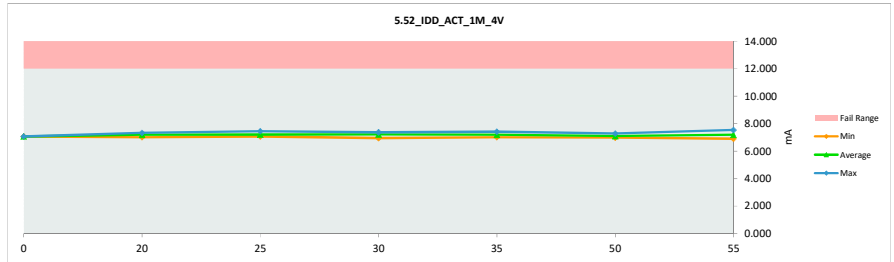
5.52_IDD_ACT_1M_4V		
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	12	12
Min Limit		

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.068	7.062		-0.006
25	1	7.224	7.294		0.070
25	2	7.092	7.089		-0.003
25	3	7.125	7.121		-0.004
25	4	7.046	7.062		0.016
25	5	7.390	7.456		0.066
20	6	6.952	7.012		0.060
20	7	7.197	7.235		0.038
20	8	7.308	7.332		0.024
20	9	7.130	7.170		0.040
20	10	7.173	7.212		0.039
35	11	7.368	7.409		0.041
35	12	7.153	7.178		-0.025
35	13	7.201	7.187		-0.014
35	14	7.142	7.147		0.005
35	15	6.973	7.013		0.040
30	16	7.325	7.367		0.042
30	17	7.215	7.250		0.035
30	18	7.177	7.210		0.033
30	19	6.973	6.950		-0.023
30	20	7.308	7.314		0.006
55	21	7.071	7.148		0.077
55	22	7.109	7.079		-0.030
55	23	7.372	7.388		0.016
55	24	6.968	7.015		0.047
55	25	7.231	7.271		0.040
55	26	7.011	7.041		0.030
55	27	7.107	7.122		0.015
55	28	7.317	7.399		0.082
55	29	6.869	6.904		0.035
55	30	7.200	7.173		-0.027
55	31	6.950	7.018		0.068
55	32	7.082	7.177		0.095
55	33	7.330	7.536		0.206
55	34	7.122	7.142		0.020
55	35	7.137	7.125		-0.012
55	36	7.279	7.301		0.022
55	37	7.082	7.128		0.046
55	38	7.258	7.329		0.071
55	39	7.110	7.190		0.080
55	40	7.168	7.165		-0.003
55	41	7.197	7.281		0.084
55	42	7.150	7.222		0.072
50	43	6.987	6.985		-0.002
50	44	6.973	7.013		0.040
50	45	7.071	7.105		0.034
50	46	7.322	7.279		-0.043
50	47	7.074	7.076		0.002
	Max	7.390	7.536		0.206
	Average	7.148	7.181		0.033
	Min	6.869	6.904		-0.043
	Std Dev	0.128	0.140		0.042



5.52_IDD_ACT_1M_4V		
Test Site		
Tester		
Test Number		
Max Limit	12	mA
Min Limit		mA

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.062	7.012	7.062	6.950	7.013	6.985	6.904
Average	7.062	7.192	7.204	7.218	7.187	7.092	7.189
Max	7.062	7.332	7.456	7.367	7.409	7.279	7.536
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000

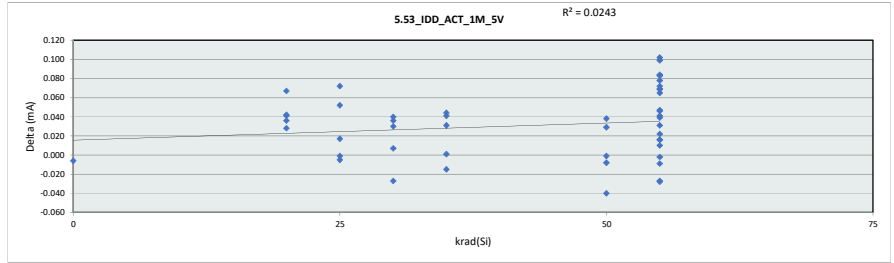


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

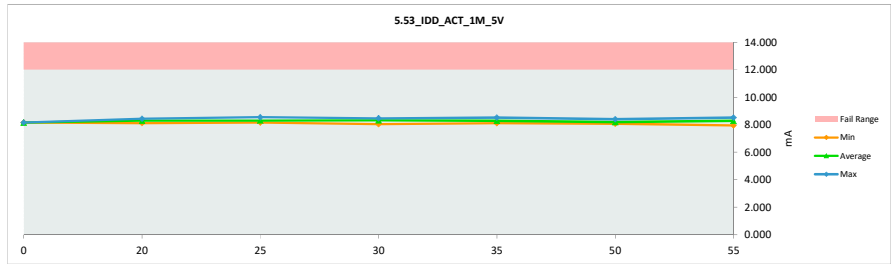
5.53_IDD_ACT_1M_5V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	12
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.174	8.168		-0.006
25	1	8.336	8.408		0.072
25	2	8.185	8.184		-0.001
25	3	8.238	8.233		-0.005
25	4	8.144	8.161		0.017
25	5	8.503	8.555		0.052
20	6	8.052	8.119		0.067
20	7	8.287	8.323		0.036
20	8	8.410	8.438		0.028
20	9	8.236	8.277		0.041
20	10	8.281	8.323		0.042
35	11	8.479	8.523		0.044
35	12	8.257	8.288		0.031
35	13	8.296	8.281		-0.015
35	14	8.242	8.243		0.001
35	15	8.072	8.113		0.041
30	16	8.429	8.469		0.040
30	17	8.327	8.363		0.036
30	18	8.286	8.316		0.030
30	19	8.077	8.050		-0.027
30	20	8.434	8.441		0.007
55	21	8.183	8.261		0.078
55	22	8.217	8.189		-0.028
55	23	8.490	8.506		0.016
55	24	8.080	8.127		0.047
55	25	8.344	8.385		0.041
55	26	8.118	8.149		0.031
55	27	8.221	8.231		0.010
55	28	8.432	8.515		0.083
55	29	7.910	7.949		0.039
55	30	8.315	8.288		-0.027
55	31	8.053	8.125		0.072
55	32	8.180	8.279		0.099
55	33	8.419	8.521		0.102
55	34	8.235	8.257		0.022
55	35	8.239	8.230		-0.009
55	36	8.389	8.405		0.016
55	37	8.186	8.232		0.046
55	38	8.371	8.436		0.065
55	39	8.224	8.293		0.069
55	40	8.271	8.269		-0.002
55	41	8.314	8.398		0.084
55	42	8.252	8.321		0.069
50	43	8.089	8.081		-0.008
50	44	8.074	8.112		0.038
50	45	8.180	8.209		0.029
50	46	8.446	8.406		-0.040
50	47	8.174	8.173		-0.001
	Max	8.503	8.555		0.102
	Average	8.253	8.284		0.031
	Min	7.910	7.949		-0.040
	Std Dev	0.134	0.140		0.035



5.53_IDD_ACT_1M_5V	
Test Site	
Tester	
Test Number	
Max Limit	12 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.168	8.119	8.161	8.050	8.113	8.081	7.949
Average	8.168	8.296	8.308	8.328	8.290	8.196	8.289
Max	8.168	8.438	8.555	8.469	8.523	8.406	8.521
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000

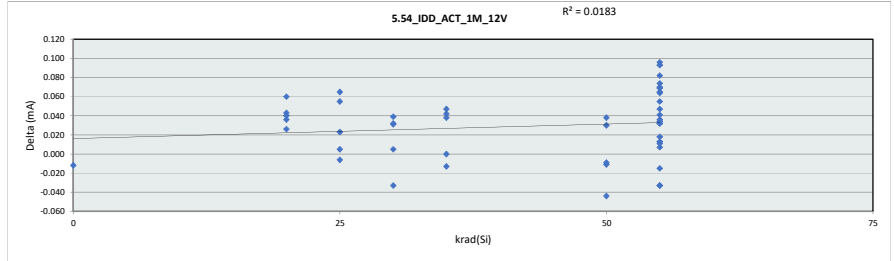


HDR TID Report TPS7H5006-SEP

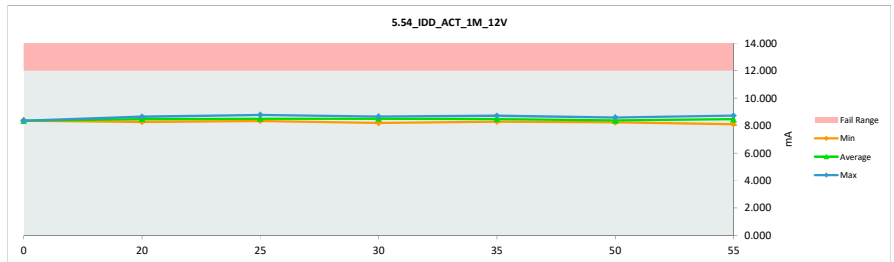
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

5.54_IDD_ACT_1M_12V		
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	12	12
Min Limit		

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.377	8.365		-0.012
25	1	8.490	8.555		0.065
25	2	8.331	8.336		0.005
25	3	8.478	8.472		-0.006
25	4	8.341	8.364		0.023
25	5	8.726	8.781		0.055
20	6	8.215	8.275		0.060
20	7	8.474	8.514		0.040
20	8	8.618	8.644		0.026
20	9	8.418	8.454		0.036
20	10	8.479	8.522		0.043
35	11	8.668	8.715		0.047
35	12	8.477	8.515		0.038
35	13	8.522	8.509		-0.013
35	14	8.392	8.392		0.000
35	15	8.246	8.288		0.042
30	16	8.593	8.632		0.039
30	17	8.522	8.553		0.031
30	18	8.440	8.472		0.032
30	19	8.233	8.200		-0.033
30	20	8.654	8.659		0.005
55	21	8.398	8.472		0.074
55	22	8.353	8.320		-0.033
55	23	8.713	8.726		0.013
55	24	8.262	8.317		0.055
55	25	8.544	8.591		0.047
55	26	8.282	8.314		0.032
55	27	8.409	8.416		0.007
55	28	8.631	8.700		0.069
55	29	8.067	8.101		0.034
55	30	8.506	8.473		-0.033
55	31	8.227	8.292		0.065
55	32	8.386	8.479		0.093
55	33	8.592	8.688		0.096
55	34	8.447	8.458		0.011
55	35	8.384	8.369		-0.015
55	36	8.560	8.578		0.018
55	37	8.388	8.424		0.036
55	38	8.512	8.576		0.064
55	39	8.457	8.498		0.041
55	40	8.473	8.505		0.032
55	41	8.500	8.582		0.082
55	42	8.457	8.527		0.070
50	43	8.245	8.234		-0.011
50	44	8.284	8.322		0.038
50	45	8.341	8.371		0.030
50	46	8.638	8.594		-0.044
50	47	8.404	8.395		-0.009
	Max	8.726	8.781		0.096
	Average	8.441	8.470		0.029
	Min	8.067	8.101		-0.044
	Std Dev	0.143	0.149		0.034



5.54_IDD_ACT_1M_12V							
Test Site							
Tester							
Test Number							
Max Limit	12	mA					
Min Limit		mA					
krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.365	8.275	8.336	8.200	8.288	8.234	8.101
Average	8.365	8.482	8.502	8.503	8.484	8.383	8.473
Max	8.365	8.644	8.781	8.659	8.715	8.594	8.726
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000

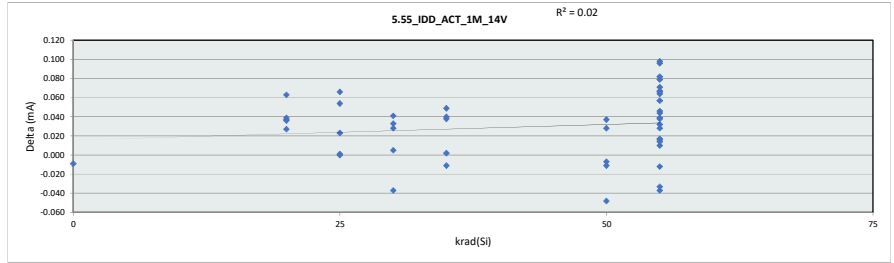


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

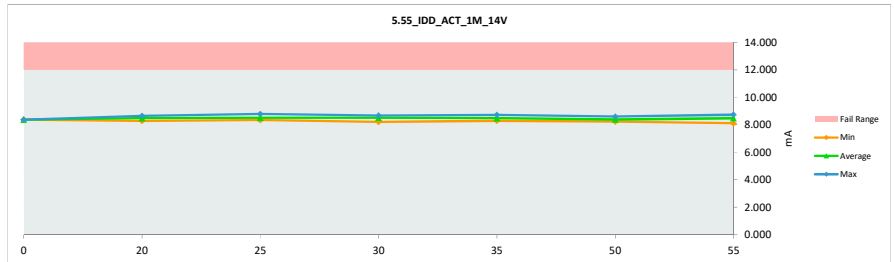
5.55_IDD_ACT_1M_14V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	12
Min Limit	12

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.382	8.373		-0.009
25	1	8.491	8.557		0.066
25	2	8.339	8.340		0.001
25	3	8.479	8.479		0.000
25	4	8.347	8.370		0.023
25	5	8.730	8.784		0.054
20	6	8.219	8.282		0.063
20	7	8.480	8.519		0.039
20	8	8.621	8.648		0.027
20	9	8.423	8.459		0.036
20	10	8.486	8.523		0.037
35	11	8.671	8.720		0.049
35	12	8.481	8.519		0.038
35	13	8.525	8.514		-0.011
35	14	8.396	8.398		0.002
35	15	8.252	8.292		0.040
30	16	8.597	8.638		0.041
30	17	8.529	8.557		0.028
30	18	8.445	8.478		0.033
30	19	8.240	8.203		-0.037
30	20	8.661	8.666		0.005
55	21	8.399	8.478		0.079
55	22	8.358	8.325		-0.033
55	23	8.715	8.731		0.016
55	24	8.265	8.322		0.057
55	25	8.547	8.593		0.046
55	26	8.286	8.318		0.032
55	27	8.410	8.420		0.010
55	28	8.632	8.703		0.071
55	29	8.070	8.108		0.038
55	30	8.513	8.476		-0.037
55	31	8.230	8.296		0.066
55	32	8.387	8.483		0.096
55	33	8.597	8.695		0.098
55	34	8.452	8.466		0.014
55	35	8.388	8.376		-0.012
55	36	8.565	8.582		0.017
55	37	8.388	8.432		0.044
55	38	8.519	8.583		0.064
55	39	8.463	8.502		0.039
55	40	8.480	8.508		0.028
55	41	8.505	8.587		0.082
55	42	8.465	8.532		0.067
50	43	8.248	8.237		-0.011
50	44	8.288	8.325		0.037
50	45	8.345	8.373		0.028
50	46	8.643	8.595		-0.048
50	47	8.409	8.402		-0.007
	Max	8.730	8.784		0.098
	Average	8.445	8.474		0.029
	Min	8.070	8.108		-0.048
	Std Dev	0.143	0.149		0.035



5.55_IDD_ACT_1M_14V	
Test Site	
Tester	
Test Number	
Max Limit	12 mA
Min Limit	12 mA

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.373	8.282	8.340	8.203	8.292	8.237	8.108
Average	8.373	8.486	8.506	8.508	8.489	8.386	8.478
Max	8.373	8.648	8.784	8.666	8.720	8.595	8.731
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000

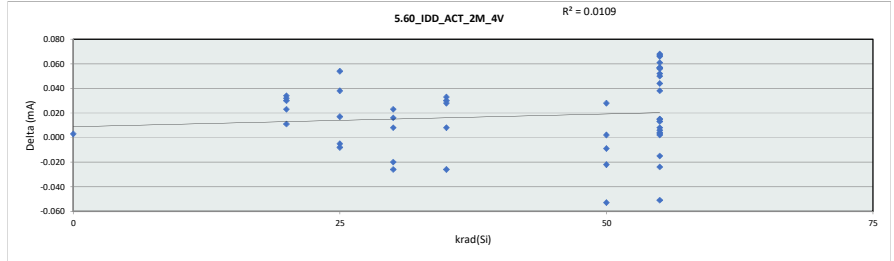


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

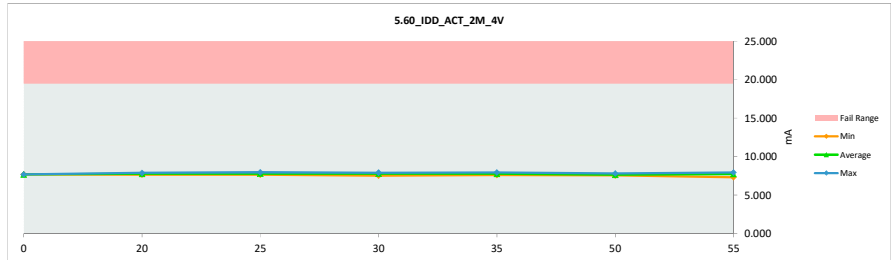
5.60_IDD_ACT_2M_4V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	19.5
Min Limit	19.5

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.672	7.675		0.003
25	1	7.813	7.867		0.054
25	2	7.656	7.648		-0.008
25	3	7.716	7.711		-0.005
25	4	7.765	7.782		0.017
25	5	7.917	7.955		0.038
20	6	7.624	7.658		0.034
20	7	7.771	7.782		0.011
20	8	7.860	7.883		0.023
20	9	7.687	7.719		0.032
20	10	7.756	7.786		0.030
35	11	7.912	7.945		0.033
35	12	7.754	7.782		0.028
35	13	7.768	7.742		-0.026
35	14	7.732	7.740		0.008
35	15	7.581	7.611		0.030
30	16	7.895	7.911		0.016
30	17	7.785	7.808		0.023
30	18	7.819	7.827		0.008
30	19	7.560	7.534		-0.026
30	20	7.898	7.878		-0.020
55	21	7.643	7.695		0.052
55	22	7.726	7.675		-0.051
55	23	7.936	7.939		0.003
55	24	7.583	7.589		0.006
55	25	7.835	7.848		0.013
55	26	7.653	7.668		0.015
55	27	7.694	7.702		0.008
55	28	7.867	7.934		0.067
55	29	7.271	7.315		0.044
55	30	7.802	7.778		-0.024
55	31	7.592	7.630		0.038
55	32	7.654	7.720		0.066
55	33	7.852	7.908		0.056
55	34	7.731	7.733		0.002
55	35	7.718	7.703		-0.015
55	36	7.827	7.831		0.004
55	37	7.647	7.697		0.050
55	38	7.825	7.893		0.068
55	39	7.686	7.743		0.057
55	40	7.709	7.724		0.015
55	41	7.778	7.835		0.057
55	42	7.755	7.816		0.061
50	43	7.562	7.553		-0.009
50	44	7.533	7.561		0.028
50	45	7.669	7.671		0.002
50	46	7.859	7.806		-0.053
50	47	7.664	7.642		-0.022
	Max	7.936	7.955		0.068
	Average	7.729	7.747		0.018
	Min	7.271	7.315		-0.053
	Std Dev	0.124	0.127		0.030



5.60_IDD_ACT_2M_4V	
Test Site	
Tester	
Test Number	
Max Limit	19.5
Min Limit	19.5

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.675	7.658	7.648	7.534	7.611	7.553	7.315
Average	7.675	7.766	7.793	7.792	7.764	7.647	7.744
Max	7.675	7.883	7.955	7.911	7.945	7.806	7.939
UL	19.500	19.500	19.500	19.500	19.500	19.500	19.500

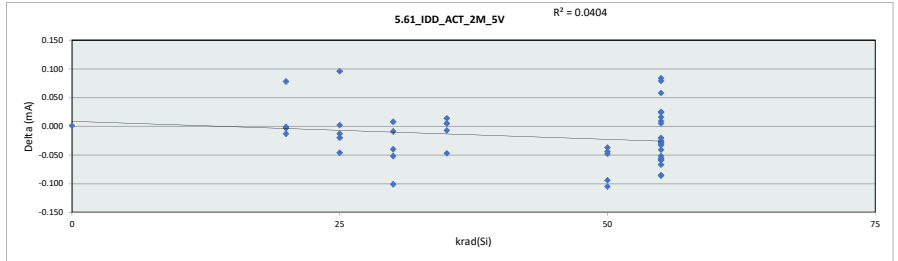


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

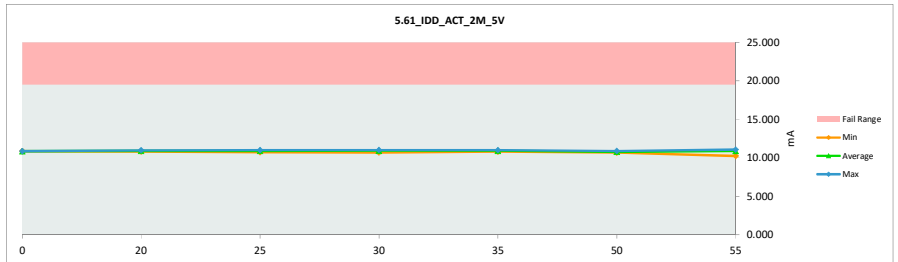
5.61_IDD_ACT_2M_5V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	19.5
Min Limit	

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	10.853	10.854	0.001
25	1	10.980	10.967	-0.013
25	2	10.782	10.736	-0.046
25	3	10.875	10.855	-0.020
25	4	10.804	10.900	0.096
25	5	10.986	10.988	0.002
20	6	10.751	10.829	0.078
20	7	10.974	10.961	-0.013
20	8	10.969	10.968	-0.001
20	9	10.813	10.810	-0.003
20	10	10.910	10.907	-0.003
35	11	10.980	10.994	0.014
35	12	10.952	10.957	0.005
35	13	10.963	10.916	-0.047
35	14	10.930	10.923	-0.007
35	15	10.775	10.780	0.005
30	16	11.062	11.010	-0.052
30	17	10.901	10.892	-0.009
30	18	10.994	11.002	0.008
30	19	10.710	10.670	-0.040
30	20	11.110	11.009	-0.101
55	21	10.832	10.801	-0.031
55	22	10.957	10.872	-0.085
55	23	11.063	11.035	-0.028
55	24	10.827	10.760	-0.067
55	25	11.030	10.944	-0.086
55	26	10.811	10.895	0.084
55	27	10.862	10.829	-0.033
55	28	11.032	11.037	0.005
55	29	10.175	10.233	0.058
55	30	11.055	11.035	-0.020
55	31	10.736	10.815	0.079
55	32	10.857	10.801	-0.056
55	33	10.989	10.961	-0.028
55	34	10.984	10.925	-0.059
55	35	10.916	10.858	-0.058
55	36	10.927	10.886	-0.041
55	37	10.881	10.906	0.025
55	38	11.031	11.055	0.024
55	39	10.867	10.842	-0.025
55	40	10.836	10.845	0.009
55	41	10.975	10.923	-0.052
55	42	10.997	11.013	0.016
50	43	10.750	10.702	-0.048
50	44	10.701	10.664	-0.037
50	45	10.899	10.855	-0.044
50	46	10.977	10.883	-0.094
50	47	10.873	10.768	-0.105
Max		11.110	11.055	0.096
Average		10.894	10.876	-0.018
Min		10.175	10.233	-0.105
Std Dev		0.146	0.136	0.047



5.61_IDD_ACT_2M_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	19.5
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	10.854	10.810	10.736	10.670	10.780	10.664	10.233
Average	10.854	10.895	10.889	10.917	10.914	10.774	10.876
Max	10.854	10.968	10.988	11.010	10.994	10.883	11.055
UL	19.500	19.500	19.500	19.500	19.500	19.500	19.500

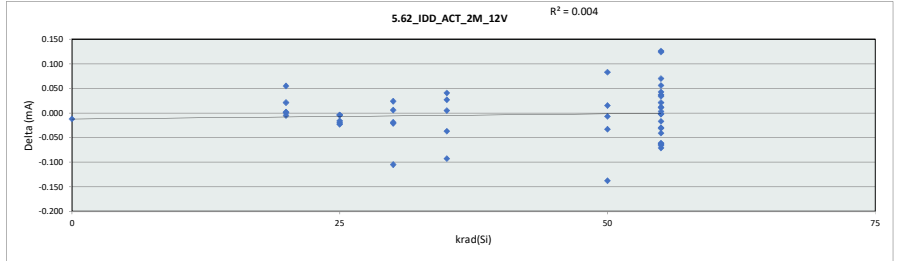


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

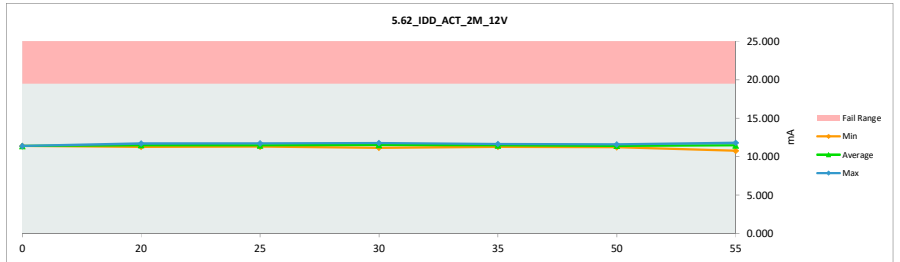
5.62_IDD_ACT_2M_12V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	19.5
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	11.389	11.377		-0.012
25	1	11.538	11.518		-0.020
25	2	11.292	11.288		-0.004
25	3	11.596	11.580		-0.016
25	4	11.341	11.337		-0.004
25	5	11.739	11.716		-0.023
20	6	11.221	11.276		0.055
20	7	11.505	11.507		0.002
20	8	11.691	11.692		0.001
20	9	11.464	11.459		-0.005
20	10	11.580	11.601		0.021
35	11	11.636	11.641		0.005
35	12	11.558	11.599		0.041
35	13	11.599	11.506		-0.093
35	14	11.389	11.352		-0.037
35	15	11.255	11.282		0.027
30	16	11.609	11.615		0.006
30	17	11.583	11.564		-0.019
30	18	11.452	11.476		0.024
30	19	11.252	11.147		-0.105
30	20	11.795	11.774		-0.021
55	21	11.506	11.549		0.043
55	22	11.360	11.297		-0.063
55	23	11.825	11.784		-0.041
55	24	11.335	11.356		0.021
55	25	11.637	11.648		0.011
55	26	11.285	11.409		0.124
55	27	11.482	11.419		-0.063
55	28	11.712	11.710		-0.002
55	29	10.696	10.752		0.056
55	30	11.616	11.586		-0.030
55	31	11.229	11.355		0.126
55	32	11.479	11.516		0.037
55	33	11.641	11.580		-0.061
55	34	11.560	11.529		-0.031
55	35	11.393	11.327		-0.066
55	36	11.560	11.489		-0.071
55	37	11.442	11.476		0.034
55	38	11.533	11.531		-0.002
55	39	11.572	11.575		0.003
55	40	11.561	11.544		-0.017
55	41	11.575	11.587		0.012
55	42	11.569	11.639		0.070
50	43	11.262	11.229		-0.033
50	44	11.350	11.343		-0.007
50	45	11.362	11.377		0.015
50	46	11.665	11.527		-0.138
50	47	11.499	11.582		0.083
	Max	11.825	11.784		0.126
	Average	11.483	11.480		-0.003
	Min	10.696	10.752		-0.138
	Std Dev	0.191	0.181		0.052



5.62_IDD_ACT_2M_12V	
Test Site	
Tester	
Test Number	
Max Limit	19.5 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	11.377	11.276	11.288	11.147	11.282	11.229	10.752
Average	11.377	11.507	11.488	11.515	11.476	11.412	11.484
Max	11.377	11.692	11.716	11.774	11.641	11.582	11.784
UL	19.500	19.500	19.500	19.500	19.500	19.500	19.500

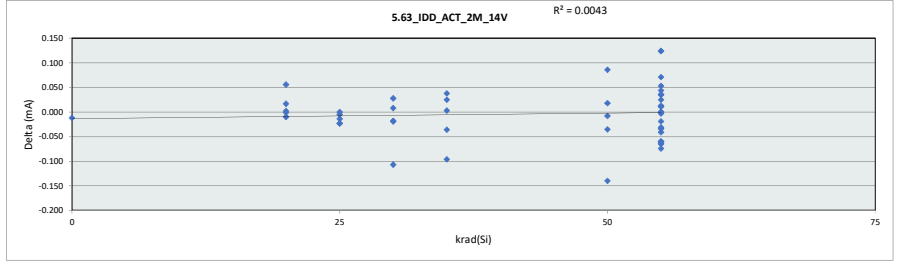


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

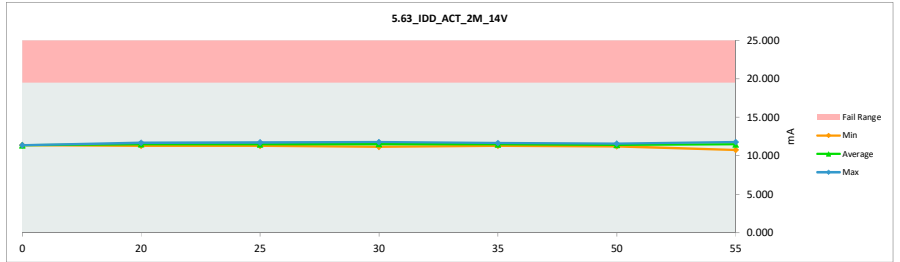
5.63_IDD_ACT_2M_14V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	19.5
Min Limit	

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	11.395	11.383	-0.012
25	1	11.544	11.521	-0.023
25	2	11.295	11.290	-0.005
25	3	11.601	11.587	-0.014
25	4	11.343	11.343	0.000
25	5	11.744	11.721	-0.023
20	6	11.224	11.280	0.056
20	7	11.508	11.507	-0.001
20	8	11.695	11.697	0.002
20	9	11.472	11.462	-0.010
20	10	11.585	11.602	0.017
35	11	11.641	11.644	0.003
35	12	11.564	11.602	0.038
35	13	11.607	11.511	-0.096
35	14	11.394	11.358	-0.036
35	15	11.261	11.286	0.025
30	16	11.612	11.620	0.008
30	17	11.587	11.568	-0.019
30	18	11.454	11.482	0.028
30	19	11.257	11.150	-0.107
30	20	11.797	11.779	-0.018
55	21	11.508	11.552	0.044
55	22	11.365	11.301	-0.064
55	23	11.829	11.788	-0.041
55	24	11.336	11.361	0.025
55	25	11.640	11.653	0.013
55	26	11.290	11.414	0.124
55	27	11.484	11.424	-0.060
55	28	11.714	11.713	-0.001
55	29	10.700	10.753	0.053
55	30	11.622	11.588	-0.034
55	31	11.234	11.358	0.124
55	32	11.482	11.518	0.036
55	33	11.641	11.581	-0.060
55	34	11.563	11.532	-0.031
55	35	11.398	11.333	-0.065
55	36	11.564	11.490	-0.074
55	37	11.446	11.481	0.035
55	38	11.537	11.534	-0.003
55	39	11.580	11.581	0.001
55	40	11.564	11.545	-0.019
55	41	11.580	11.591	0.011
55	42	11.571	11.642	0.071
50	43	11.268	11.233	-0.035
50	44	11.355	11.347	-0.008
50	45	11.361	11.379	0.018
50	46	11.668	11.528	-0.140
50	47	11.502	11.588	0.086
Max		11.829	11.788	0.124
Average		11.487	11.483	-0.004
Min		10.700	10.753	-0.140
Std Dev		0.191	0.181	0.052



5.63_IDD_ACT_2M_14V	
Test Site	
Tester	
Test Number	
Max Limit	19.5 mA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	11.383	11.280	11.290	11.150	11.286	11.233	10.753
Average	11.383	11.510	11.492	11.520	11.480	11.415	11.488
Max	11.383	11.697	11.721	11.779	11.644	11.588	11.788
UL	19.500	19.500	19.500	19.500	19.500	19.500	19.500

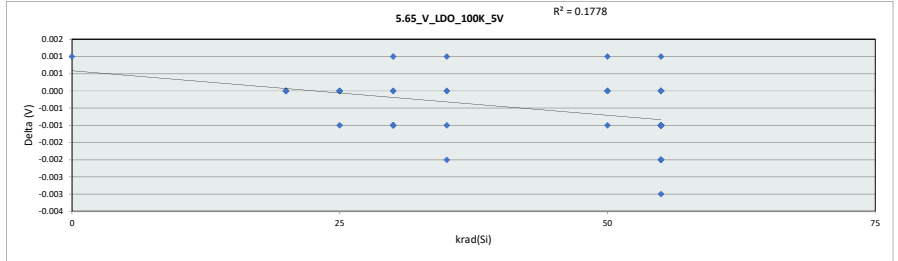


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

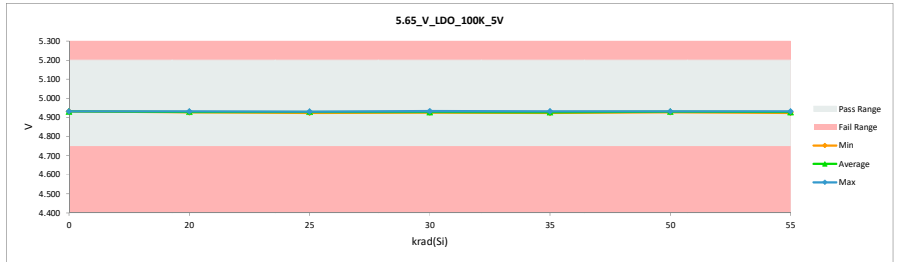
5.65_V_LDO_100K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	4.931	4.932		0.001
25	1	4.928	4.928		0.000
25	2	4.929	4.929		0.000
25	3	4.931	4.931		0.000
25	4	4.931	4.931		0.000
25	5	4.926	4.925		-0.001
20	6	4.932	4.932		0.000
20	7	4.927	4.927		0.000
20	8	4.927	4.927		0.000
20	9	4.929	4.929		0.000
20	10	4.929	4.929		0.000
35	11	4.926	4.924		-0.002
35	12	4.930	4.929		-0.001
35	13	4.926	4.927		0.001
35	14	4.928	4.928		0.000
35	15	4.932	4.932		0.000
30	16	4.926	4.926		0.000
30	17	4.928	4.927		-0.001
30	18	4.929	4.928		-0.001
30	19	4.932	4.933		0.001
30	20	4.928	4.928		0.000
55	21	4.931	4.928		-0.003
55	22	4.930	4.931		0.001
55	23	4.926	4.926		0.000
55	24	4.933	4.932		-0.001
55	25	4.929	4.927		-0.002
55	26	4.932	4.932		0.000
55	27	4.930	4.929		-0.001
55	28	4.927	4.926		-0.001
55	29	4.931	4.931		0.000
55	30	4.929	4.929		0.000
55	31	4.933	4.931		-0.002
55	32	4.931	4.929		-0.002
55	33	4.927	4.925		-0.002
55	34	4.930	4.929		-0.001
55	35	4.929	4.929		0.000
55	36	4.928	4.927		-0.001
55	37	4.930	4.929		-0.001
55	38	4.928	4.927		-0.001
55	39	4.930	4.929		-0.001
55	40	4.929	4.929		0.000
55	41	4.929	4.927		-0.002
55	42	4.929	4.928		-0.001
50	43	4.932	4.932		0.000
50	44	4.932	4.932		0.000
50	45	4.931	4.930		-0.001
50	46	4.927	4.928		0.001
50	47	4.930	4.930		0.000
	Max	4.933	4.933		0.001
	Average	4.929	4.929		0.000
	Min	4.926	4.924		-0.003
	Std Dev	0.002	0.002		0.001



5.65_V_LDO_100K_5V	
Test Site	
Tester	
Test Number	
Max Limit	5.2 V
Min Limit	4.75 V

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	4.932	4.927	4.925	4.926	4.924	4.928	4.925
Average	4.932	4.929	4.929	4.928	4.928	4.930	4.929
Max	4.932	4.932	4.931	4.933	4.932	4.932	4.932
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

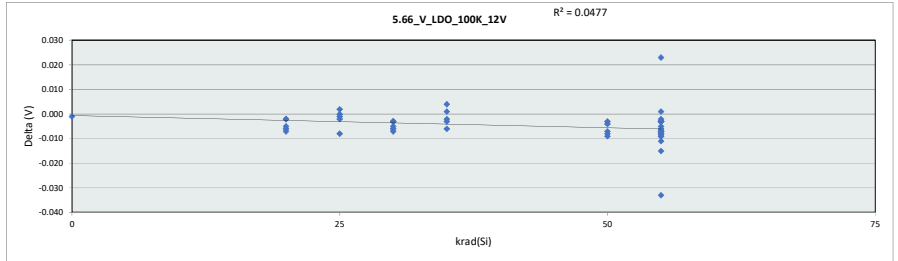


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

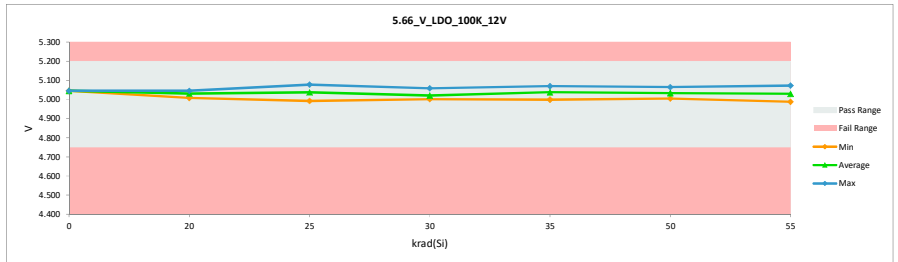
5.66_V_LDO_100K_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.047	5.046		-0.001
25	1	5.001	4.993		-0.008
25	2	5.004	5.004		0.000
25	3	5.079	5.078		-0.001
25	4	5.050	5.052		0.002
25	5	5.064	5.062		-0.002
20	6	5.013	5.008		-0.005
20	7	5.037	5.035		-0.002
20	8	5.048	5.046		-0.002
20	9	5.031	5.024		-0.007
20	10	5.046	5.040		-0.006
35	11	5.034	5.031		-0.003
35	12	5.063	5.067		0.004
35	13	5.069	5.070		0.001
35	14	5.005	4.999		-0.006
35	15	5.028	5.026		-0.002
30	16	5.013	5.010		-0.003
30	17	5.038	5.032		-0.006
30	18	5.006	5.003		-0.003
30	19	5.009	5.002		-0.007
30	20	5.064	5.059		-0.005
55	21	5.062	5.054		-0.008
55	22	4.991	4.988		-0.003
55	23	5.063	5.056		-0.007
55	24	5.035	5.036		0.001
55	25	5.048	5.046		-0.002
55	26	5.019	5.016		-0.003
55	27	5.035	5.028		-0.007
55	28	5.042	5.027		-0.015
55	29	5.021	5.015		-0.006
55	30	5.037	5.030		-0.007
55	31	5.027	5.016		-0.011
55	32	5.052	5.043		-0.009
55	33	5.023	5.020		-0.003
55	34	5.056	5.047		-0.009
55	35	5.000	4.992		-0.008
55	36	5.020	5.017		-0.003
55	37	5.048	5.040		-0.008
55	38	4.997	4.990		-0.007
55	39	5.079	5.046		-0.033
55	40	5.050	5.073		0.023
55	41	5.036	5.029		-0.007
55	42	5.055	5.050		-0.005
50	43	5.014	5.005		-0.009
50	44	5.061	5.057		-0.004
50	45	5.015	5.012		-0.003
50	46	5.036	5.029		-0.007
50	47	5.073	5.065		-0.008
	Max	5.079	5.078		0.023
	Average	5.036	5.032		-0.005
	Min	4.991	4.988		-0.033
	Std Dev	0.023	0.024		0.007



5.66_V_LDO_100K_12V	
Test Site	
Tester	
Test Number	
Max Limit	5.2 V
Min Limit	4.75 V

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.046	5.008	4.993	5.002	4.999	5.005	4.988
Average	5.046	5.031	5.038	5.021	5.039	5.034	5.030
Max	5.046	5.046	5.078	5.059	5.070	5.065	5.073
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

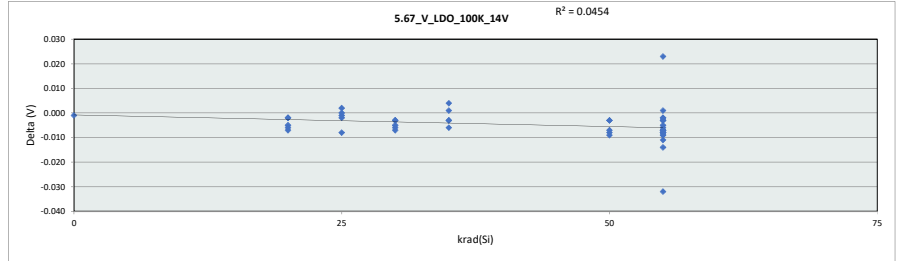


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

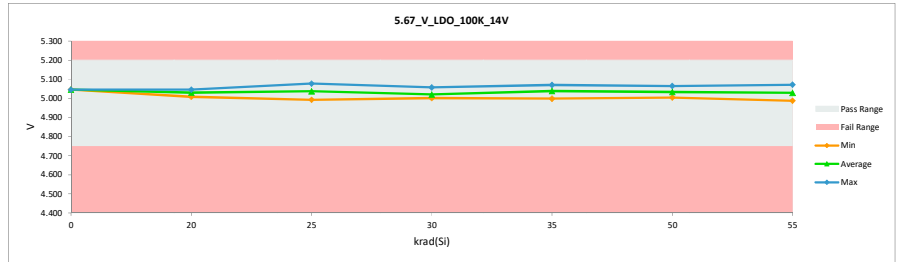
5.67_V_LDO_100K_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.047	5.046		-0.001
25	1	5.001	4.993		-0.008
25	2	5.003	5.003		0.000
25	3	5.079	5.078		-0.001
25	4	5.050	5.052		0.002
25	5	5.064	5.062		-0.002
20	6	5.013	5.008		-0.005
20	7	5.037	5.035		-0.002
20	8	5.048	5.046		-0.002
20	9	5.031	5.024		-0.007
20	10	5.046	5.040		-0.006
35	11	5.034	5.031		-0.003
35	12	5.063	5.067		0.004
35	13	5.069	5.070		0.001
35	14	5.005	4.999		-0.006
35	15	5.028	5.025		-0.003
30	16	5.013	5.010		-0.003
30	17	5.038	5.032		-0.006
30	18	5.006	5.003		-0.003
30	19	5.009	5.002		-0.007
30	20	5.063	5.058		-0.005
55	21	5.062	5.054		-0.008
55	22	4.991	4.988		-0.003
55	23	5.063	5.056		-0.007
55	24	5.035	5.036		0.001
55	25	5.048	5.046		-0.002
55	26	5.019	5.016		-0.003
55	27	5.035	5.028		-0.007
55	28	5.042	5.028		-0.014
55	29	5.021	5.015		-0.006
55	30	5.037	5.030		-0.007
55	31	5.027	5.016		-0.011
55	32	5.052	5.043		-0.009
55	33	5.022	5.020		-0.002
55	34	5.056	5.047		-0.009
55	35	5.000	4.992		-0.008
55	36	5.020	5.017		-0.003
55	37	5.048	5.040		-0.008
55	38	4.997	4.990		-0.007
55	39	5.079	5.047		-0.032
55	40	5.049	5.072		0.023
55	41	5.037	5.029		-0.008
55	42	5.055	5.050		-0.005
50	43	5.014	5.005		-0.009
50	44	5.060	5.057		-0.003
50	45	5.015	5.012		-0.003
50	46	5.036	5.029		-0.007
50	47	5.073	5.065		-0.008
Max		5.079	5.078		0.023
Average		5.036	5.031		-0.005
Min		4.991	4.988		-0.032
Std Dev		0.023	0.024		0.007



5.67_V_LDO_100K_14V	
Test Site	
Tester	
Test Number	
Max Limit	5.2 V
Min Limit	4.75 V

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.046	5.008	4.993	5.002	4.999	5.005	4.988
Average	5.046	5.031	5.038	5.021	5.038	5.034	5.030
Max	5.046	5.046	5.078	5.058	5.070	5.065	5.072
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

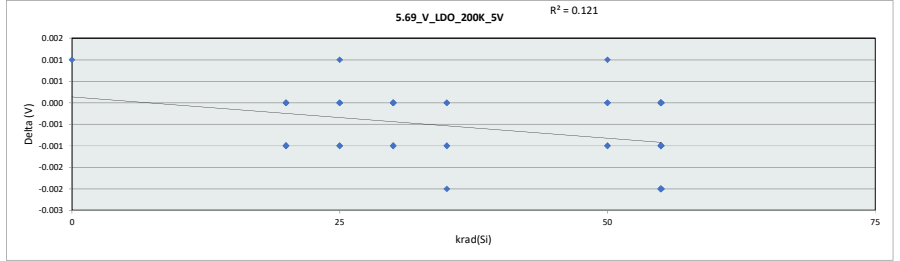


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

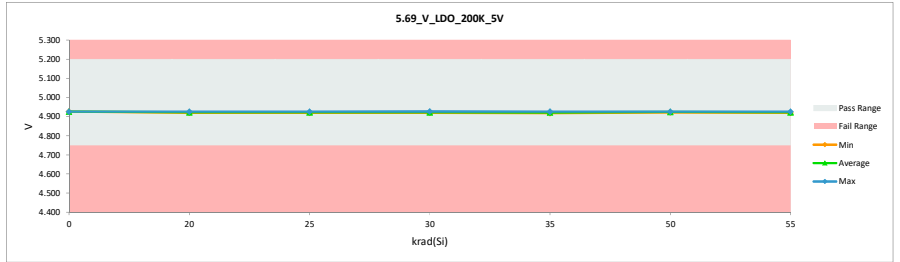
5.69_V_LDO_200K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	4.925	4.926		0.001
25	1	4.923	4.922		-0.001
25	2	4.923	4.924		0.001
25	3	4.925	4.925		0.000
25	4	4.926	4.926		0.000
25	5	4.920	4.919		-0.001
20	6	4.927	4.926		-0.001
20	7	4.922	4.921		-0.001
20	8	4.921	4.921		0.000
20	9	4.924	4.924		0.000
20	10	4.924	4.923		-0.001
35	11	4.920	4.918		-0.002
35	12	4.924	4.924		0.000
35	13	4.921	4.921		0.000
35	14	4.923	4.922		-0.001
35	15	4.927	4.926		-0.001
30	16	4.920	4.920		0.000
30	17	4.922	4.921		-0.001
30	18	4.924	4.923		-0.001
30	19	4.927	4.927		0.000
30	20	4.922	4.922		0.000
55	21	4.925	4.923		-0.002
55	22	4.924	4.924		0.000
55	23	4.920	4.920		0.000
55	24	4.927	4.926		-0.001
55	25	4.923	4.921		-0.002
55	26	4.926	4.926		0.000
55	27	4.924	4.923		-0.001
55	28	4.921	4.920		-0.001
55	29	4.926	4.925		-0.001
55	30	4.923	4.923		0.000
55	31	4.927	4.925		-0.002
55	32	4.925	4.923		-0.002
55	33	4.921	4.919		-0.002
55	34	4.924	4.923		-0.001
55	35	4.924	4.924		0.000
55	36	4.921	4.921		0.000
55	37	4.925	4.923		-0.002
55	38	4.922	4.921		-0.001
55	39	4.924	4.923		-0.001
55	40	4.923	4.923		0.000
55	41	4.923	4.921		-0.002
55	42	4.923	4.922		-0.001
50	43	4.926	4.926		0.000
50	44	4.927	4.926		-0.001
50	45	4.925	4.924		-0.001
50	46	4.921	4.922		0.001
50	47	4.924	4.924		0.000
	Max	4.927	4.927		0.001
	Average	4.924	4.923		-0.001
	Min	4.920	4.918		-0.002
	Std Dev	0.002	0.002		0.001



5.69_V_LDO_200K_5V	
Test Site	
Tester	
Test Number	
Max Limit	5.2 V
Min Limit	4.75 V

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	4.926	4.921	4.919	4.920	4.918	4.922	4.919
Average	4.926	4.923	4.923	4.923	4.922	4.924	4.923
Max	4.926	4.926	4.926	4.927	4.926	4.926	4.926
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

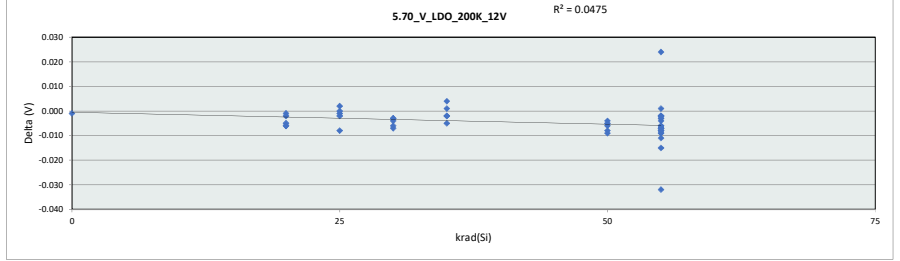


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

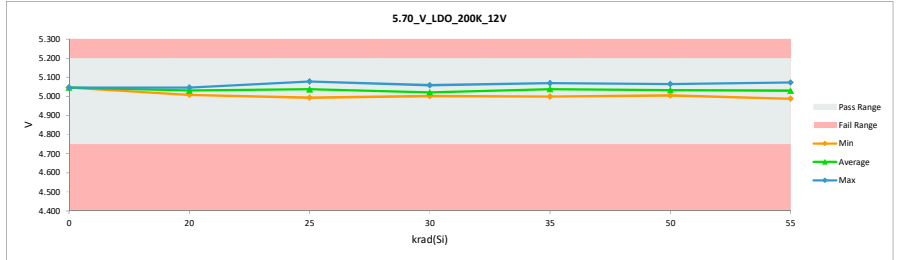
5.70_V_LDO_200K_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.047	5.046		-0.001
25	1	5.001	4.993		-0.008
25	2	5.003	5.003		0.000
25	3	5.079	5.078		-0.001
25	4	5.050	5.052		0.002
25	5	5.064	5.062		-0.002
20	6	5.013	5.008		-0.005
20	7	5.036	5.035		-0.001
20	8	5.048	5.046		-0.002
20	9	5.030	5.024		-0.006
20	10	5.046	5.040		-0.006
35	11	5.033	5.031		-0.002
35	12	5.063	5.067		0.004
35	13	5.068	5.069		0.001
35	14	5.004	4.999		-0.005
35	15	5.028	5.026		-0.002
30	16	5.013	5.010		-0.003
30	17	5.038	5.032		-0.006
30	18	5.006	5.003		-0.003
30	19	5.009	5.002		-0.007
30	20	5.063	5.059		-0.004
55	21	5.061	5.054		-0.007
55	22	4.991	4.988		-0.003
55	23	5.062	5.056		-0.006
55	24	5.035	5.036		0.001
55	25	5.048	5.046		-0.002
55	26	5.018	5.016		-0.002
55	27	5.035	5.028		-0.007
55	28	5.042	5.027		-0.015
55	29	5.021	5.015		-0.006
55	30	5.037	5.029		-0.008
55	31	5.027	5.016		-0.011
55	32	5.052	5.043		-0.009
55	33	5.022	5.020		-0.002
55	34	5.055	5.047		-0.008
55	35	5.000	4.992		-0.008
55	36	5.020	5.017		-0.003
55	37	5.047	5.040		-0.007
55	38	4.997	4.990		-0.007
55	39	5.079	5.047		-0.032
55	40	5.049	5.073		0.024
55	41	5.037	5.028		-0.009
55	42	5.054	5.050		-0.004
50	43	5.014	5.005		-0.009
50	44	5.061	5.056		-0.005
50	45	5.015	5.011		-0.004
50	46	5.035	5.029		-0.006
50	47	5.073	5.065		-0.008
Max		5.079	5.078		0.024
Average		5.036	5.031		-0.005
Min		4.991	4.988		-0.032
Std Dev		0.023	0.024		0.007



5.70_V_LDO_200K_12V	
Test Site	
Tester	
Test Number	
Max Limit	5.2 V
Min Limit	4.75 V

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.046	5.008	4.993	5.002	4.999	5.005	4.988
Average	5.046	5.031	5.038	5.021	5.038	5.033	5.030
Max	5.046	5.046	5.078	5.059	5.069	5.065	5.073
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

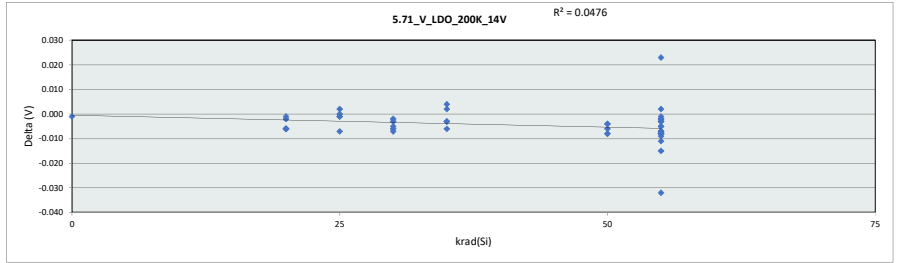


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

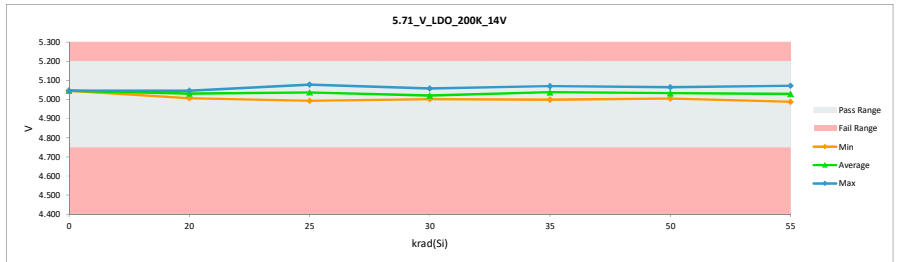
5.71_V_LDO_200K_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	5.2
Min Limit	4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.047	5.046		-0.001
25	1	5.000	4.993		-0.007
25	2	5.003	5.003		0.000
25	3	5.079	5.078		-0.001
25	4	5.050	5.052		0.002
25	5	5.063	5.062		-0.001
20	6	5.013	5.007		-0.006
20	7	5.036	5.035		-0.001
20	8	5.048	5.046		-0.002
20	9	5.030	5.024		-0.006
20	10	5.046	5.040		-0.006
35	11	5.034	5.031		-0.003
35	12	5.063	5.067		0.004
35	13	5.068	5.070		0.002
35	14	5.005	4.999		-0.006
35	15	5.028	5.025		-0.003
30	16	5.012	5.010		-0.002
30	17	5.038	5.032		-0.006
30	18	5.006	5.003		-0.003
30	19	5.009	5.002		-0.007
30	20	5.063	5.058		-0.005
55	21	5.061	5.053		-0.008
55	22	4.991	4.988		-0.003
55	23	5.062	5.055		-0.007
55	24	5.034	5.036		0.002
55	25	5.047	5.046		-0.001
55	26	5.018	5.016		-0.002
55	27	5.035	5.028		-0.007
55	28	5.042	5.027		-0.015
55	29	5.020	5.015		-0.005
55	30	5.037	5.029		-0.008
55	31	5.026	5.015		-0.011
55	32	5.051	5.043		-0.008
55	33	5.022	5.020		-0.002
55	34	5.055	5.046		-0.009
55	35	5.000	4.992		-0.008
55	36	5.020	5.017		-0.003
55	37	5.047	5.039		-0.008
55	38	4.997	4.990		-0.007
55	39	5.078	5.046		-0.032
55	40	5.049	5.072		0.023
55	41	5.036	5.028		-0.008
55	42	5.055	5.050		-0.005
50	43	5.013	5.005		-0.008
50	44	5.060	5.056		-0.004
50	45	5.015	5.011		-0.004
50	46	5.035	5.029		-0.006
50	47	5.073	5.065		-0.008
	Max	5.079	5.078		0.023
	Average	5.036	5.031		-0.005
	Min	4.991	4.988		-0.032
	Std Dev	0.023	0.024		0.007



5.71_V_LDO_200K_14V	
Test Site	
Tester	
Test Number	
Max Limit	5.2
Min Limit	4.75

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.046	5.007	4.993	5.002	4.999	5.005	4.988
Average	5.046	5.030	5.038	5.021	5.038	5.033	5.030
Max	5.046	5.046	5.078	5.058	5.070	5.065	5.072
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

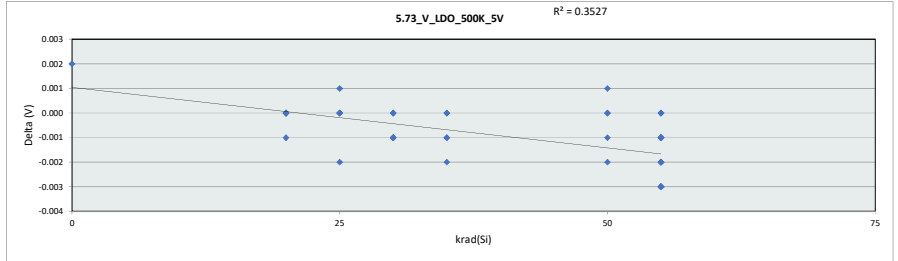


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

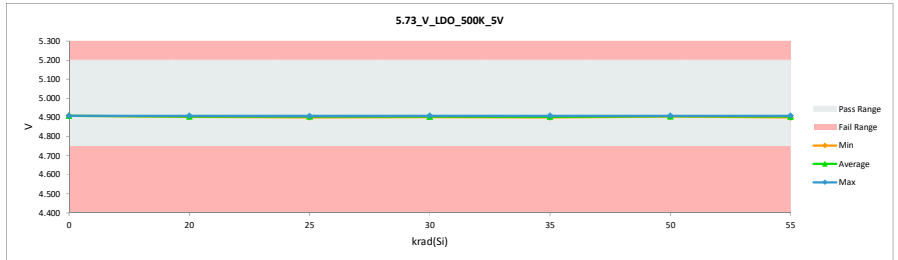
5.73_V_LDO_500K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	4.907	4.909		0.002
25	1	4.905	4.905		0.000
25	2	4.906	4.907		0.001
25	3	4.908	4.908		0.000
25	4	4.908	4.908		0.000
25	5	4.903	4.901		-0.002
20	6	4.909	4.909		0.000
20	7	4.904	4.904		0.000
20	8	4.904	4.904		0.000
20	9	4.907	4.906		-0.001
20	10	4.906	4.906		0.000
35	11	4.903	4.901		-0.002
35	12	4.906	4.906		0.000
35	13	4.903	4.903		0.000
35	14	4.906	4.905		-0.001
35	15	4.910	4.909		-0.001
30	16	4.903	4.902		-0.001
30	17	4.905	4.904		-0.001
30	18	4.906	4.905		-0.001
30	19	4.909	4.909		0.000
30	20	4.905	4.905		0.000
55	21	4.908	4.905		-0.003
55	22	4.907	4.907		0.000
55	23	4.903	4.902		-0.001
55	24	4.910	4.909		-0.001
55	25	4.906	4.903		-0.003
55	26	4.910	4.909		-0.001
55	27	4.907	4.905		-0.002
55	28	4.904	4.902		-0.002
55	29	4.910	4.907		-0.003
55	30	4.906	4.906		0.000
55	31	4.910	4.907		-0.003
55	32	4.908	4.906		-0.002
55	33	4.903	4.900		-0.003
55	34	4.907	4.906		-0.001
55	35	4.907	4.906		-0.001
55	36	4.905	4.902		-0.003
55	37	4.907	4.907		0.000
55	38	4.906	4.903		-0.003
55	39	4.907	4.905		-0.002
55	40	4.907	4.906		-0.001
55	41	4.906	4.904		-0.002
55	42	4.907	4.904		-0.003
50	43	4.909	4.909		0.000
50	44	4.910	4.909		-0.001
50	45	4.908	4.906		-0.002
50	46	4.904	4.905		0.001
50	47	4.907	4.907		0.000
Max		4.910	4.909		0.002
Average		4.907	4.905		-0.001
Min		4.903	4.900		-0.003
Std Dev		0.002	0.002		0.001



5.73_V_LDO_500K_5V	
Test Site	
Tester	
Test Number	
Max Limit	5.2 V
Min Limit	4.75 V

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	4.909	4.904	4.901	4.902	4.901	4.905	4.900
Average	4.909	4.906	4.906	4.905	4.905	4.907	4.905
Max	4.909	4.909	4.908	4.909	4.909	4.909	4.909
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

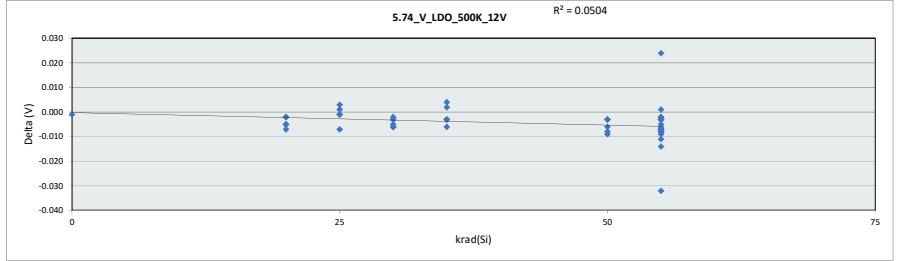


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

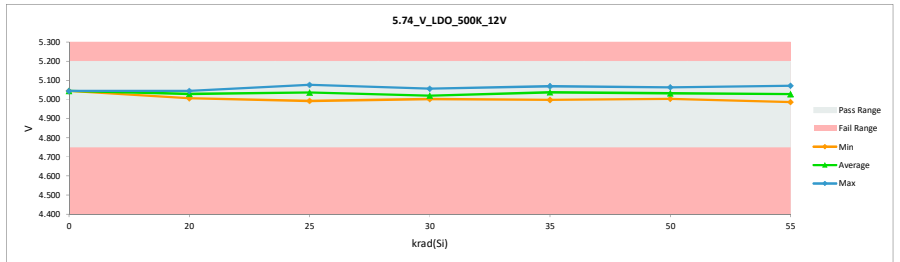
5.74_V_LDO_500K_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.046	5.045		-0.001
25	1	5.000	4.993		-0.007
25	2	5.002	5.003		0.001
25	3	5.078	5.077		-0.001
25	4	5.048	5.051		0.003
25	5	5.062	5.061		-0.001
20	6	5.012	5.007		-0.005
20	7	5.036	5.034		-0.002
20	8	5.047	5.045		-0.002
20	9	5.030	5.023		-0.007
20	10	5.045	5.040		-0.005
35	11	5.033	5.030		-0.003
35	12	5.062	5.066		0.004
35	13	5.067	5.069		0.002
35	14	5.004	4.998		-0.006
35	15	5.027	5.024		-0.003
30	16	5.012	5.009		-0.003
30	17	5.037	5.031		-0.006
30	18	5.005	5.003		-0.002
30	19	5.008	5.002		-0.006
30	20	5.062	5.057		-0.005
55	21	5.060	5.053		-0.007
55	22	4.990	4.987		-0.003
55	23	5.061	5.054		-0.007
55	24	5.034	5.035		0.001
55	25	5.047	5.045		-0.002
55	26	5.018	5.015		-0.003
55	27	5.034	5.027		-0.007
55	28	5.041	5.027		-0.014
55	29	5.020	5.014		-0.006
55	30	5.036	5.028		-0.008
55	31	5.026	5.015		-0.011
55	32	5.051	5.042		-0.009
55	33	5.021	5.019		-0.002
55	34	5.054	5.046		-0.008
55	35	4.999	4.991		-0.008
55	36	5.019	5.016		-0.003
55	37	5.046	5.039		-0.007
55	38	4.996	4.989		-0.007
55	39	5.078	5.046		-0.032
55	40	5.048	5.072		0.024
55	41	5.035	5.027		-0.008
55	42	5.054	5.049		-0.005
50	43	5.013	5.004		-0.009
50	44	5.059	5.056		-0.003
50	45	5.014	5.011		-0.003
50	46	5.035	5.029		-0.006
50	47	5.072	5.064		-0.008
	Max	5.078	5.077		0.024
	Average	5.035	5.031		-0.004
	Min	4.990	4.987		-0.032
	Std Dev	0.023	0.024		0.007



5.74_V_LDO_500K_12V	
Test Site	
Tester	
Test Number	
Max Limit	5.2 V
Min Limit	4.75 V

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.045	5.007	4.993	5.002	4.998	5.004	4.987
Average	5.045	5.030	5.037	5.020	5.037	5.033	5.029
Max	5.045	5.045	5.077	5.057	5.069	5.064	5.072
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

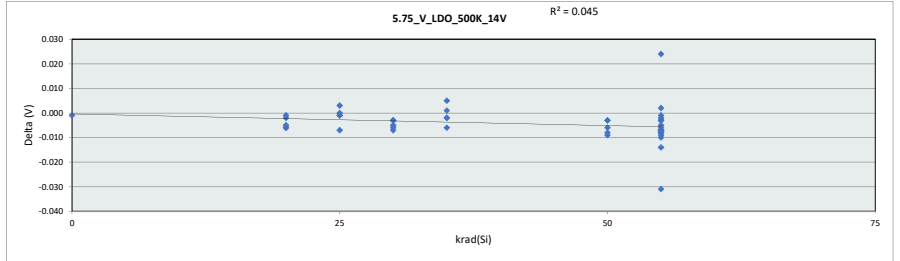


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

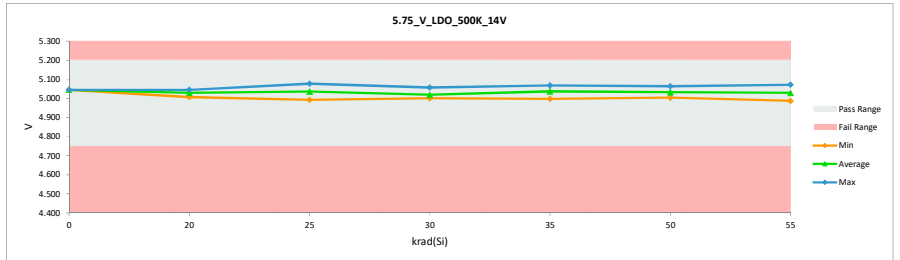
5.75_V_LDO_500K_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.046	5.045		-0.001
25	1	5.000	4.993		-0.007
25	2	5.002	5.002		0.000
25	3	5.078	5.077		-0.001
25	4	5.048	5.051		0.003
25	5	5.062	5.061		-0.001
20	6	5.012	5.007		-0.005
20	7	5.035	5.034		-0.001
20	8	5.047	5.045		-0.002
20	9	5.029	5.023		-0.006
20	10	5.045	5.039		-0.006
35	11	5.032	5.030		-0.002
35	12	5.061	5.066		0.005
35	13	5.067	5.068		0.001
35	14	5.004	4.998		-0.006
35	15	5.026	5.024		-0.002
30	16	5.011	5.008		-0.003
30	17	5.037	5.031		-0.006
30	18	5.005	5.002		-0.003
30	19	5.008	5.001		-0.007
30	20	5.062	5.057		-0.005
55	21	5.060	5.053		-0.007
55	22	4.990	4.987		-0.003
55	23	5.061	5.054		-0.007
55	24	5.033	5.035		0.002
55	25	5.046	5.045		-0.001
55	26	5.018	5.015		-0.003
55	27	5.034	5.027		-0.007
55	28	5.041	5.027		-0.014
55	29	5.020	5.014		-0.006
55	30	5.036	5.029		-0.007
55	31	5.025	5.015		-0.010
55	32	5.051	5.042		-0.009
55	33	5.021	5.019		-0.002
55	34	5.054	5.046		-0.008
55	35	4.999	4.991		-0.008
55	36	5.019	5.016		-0.003
55	37	5.046	5.039		-0.007
55	38	4.996	4.989		-0.007
55	39	5.077	5.046		-0.031
55	40	5.048	5.072		0.024
55	41	5.035	5.027		-0.008
55	42	5.054	5.049		-0.005
50	43	5.013	5.004		-0.009
50	44	5.059	5.056		-0.003
50	45	5.014	5.011		-0.003
50	46	5.034	5.028		-0.006
50	47	5.072	5.064		-0.008
	Max	5.078	5.077		0.024
	Average	5.035	5.030		-0.004
	Min	4.990	4.987		-0.031
	Std Dev	0.023	0.024		0.007



5.75_V_LDO_500K_14V	
Test Site	
Tester	
Test Number	
Max Limit	5.2 V
Min Limit	4.75 V

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.045	5.007	4.993	5.001	4.998	5.004	4.987
Average	5.045	5.030	5.037	5.020	5.037	5.033	5.029
Max	5.045	5.045	5.077	5.057	5.068	5.064	5.072
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

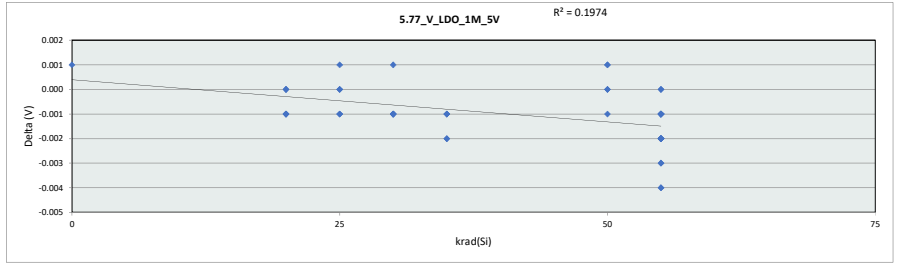


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

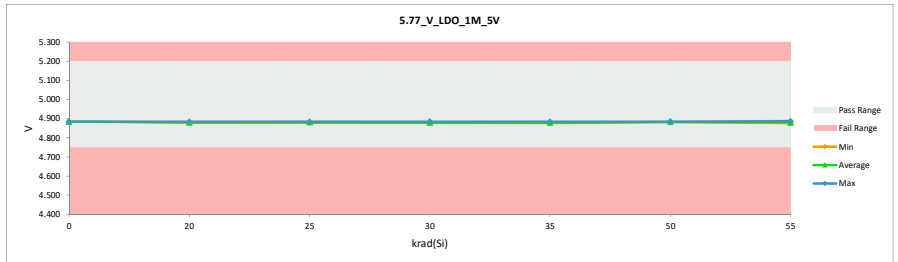
5.77_V_LDO_1M_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	5.2
Min Limit	4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	4.883	4.884	0.001
25	1	4.881	4.880	-0.001
25	2	4.882	4.882	0.000
25	3	4.883	4.884	0.001
25	4	4.884	4.884	0.000
25	5	4.879	4.878	-0.001
20	6	4.884	4.884	0.000
20	7	4.880	4.880	0.000
20	8	4.880	4.879	-0.001
20	9	4.883	4.882	-0.001
20	10	4.882	4.881	-0.001
35	11	4.879	4.877	-0.002
35	12	4.882	4.881	-0.001
35	13	4.879	4.878	-0.001
35	14	4.882	4.880	-0.002
35	15	4.885	4.884	-0.001
30	16	4.879	4.878	-0.001
30	17	4.880	4.879	-0.001
30	18	4.882	4.881	-0.001
30	19	4.884	4.885	0.001
30	20	4.881	4.880	-0.001
55	21	4.884	4.880	-0.004
55	22	4.883	4.883	0.000
55	23	4.879	4.878	-0.001
55	24	4.886	4.884	-0.002
55	25	4.882	4.878	-0.004
55	26	4.886	4.885	-0.001
55	27	4.882	4.881	-0.001
55	28	4.881	4.879	-0.002
55	29	4.888	4.887	-0.001
55	30	4.883	4.882	-0.001
55	31	4.886	4.883	-0.003
55	32	4.884	4.882	-0.002
55	33	4.880	4.877	-0.003
55	34	4.882	4.881	-0.001
55	35	4.882	4.882	0.000
55	36	4.881	4.879	-0.002
55	37	4.883	4.882	-0.001
55	38	4.882	4.880	-0.002
55	39	4.883	4.881	-0.002
55	40	4.882	4.881	-0.001
55	41	4.882	4.880	-0.002
55	42	4.883	4.881	-0.002
50	43	4.884	4.885	0.001
50	44	4.885	4.885	0.000
50	45	4.884	4.883	-0.001
50	46	4.880	4.881	0.001
50	47	4.882	4.882	0.000
Max		4.888	4.887	0.001
Average		4.882	4.881	-0.001
Min		4.879	4.877	-0.004
Std Dev		0.002	0.002	0.001



5.77_V_LDO_1M_5V	
Test Site	
Tester	
Test Number	
Max Limit	5.2
Min Limit	4.75

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	4.884	4.879	4.878	4.878	4.877	4.881	4.877
Average	4.884	4.881	4.882	4.881	4.880	4.883	4.881
Max	4.884	4.884	4.884	4.885	4.884	4.885	4.887
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

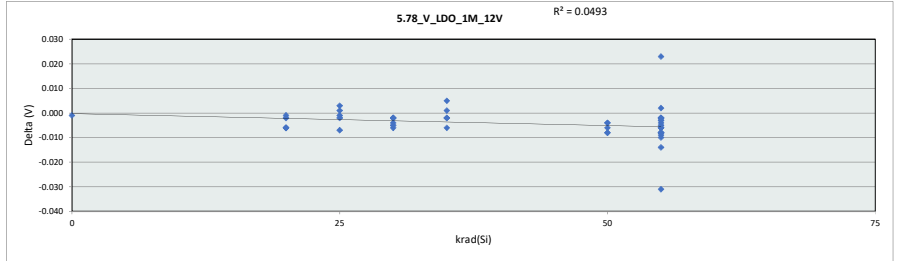


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

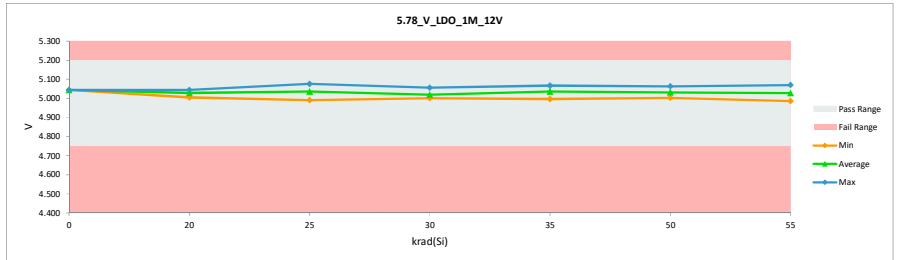
5.78_V_LDO_1M_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.045	5.044		-0.001
25	1	4.998	4.991		-0.007
25	2	5.001	5.002		0.001
25	3	5.077	5.076		-0.001
25	4	5.047	5.050		0.003
25	5	5.061	5.059		-0.002
20	6	5.011	5.005		-0.006
20	7	5.034	5.033		-0.001
20	8	5.046	5.044		-0.002
20	9	5.028	5.022		-0.006
20	10	5.044	5.038		-0.006
35	11	5.031	5.029		-0.002
35	12	5.060	5.065		0.005
35	13	5.066	5.067		0.001
35	14	5.003	4.997		-0.006
35	15	5.025	5.023		-0.002
30	16	5.010	5.008		-0.002
30	17	5.036	5.031		-0.005
30	18	5.004	5.002		-0.002
30	19	5.007	5.001		-0.006
30	20	5.060	5.056		-0.004
55	21	5.059	5.051		-0.008
55	22	4.989	4.986		-0.003
55	23	5.059	5.053		-0.006
55	24	5.032	5.034		0.002
55	25	5.045	5.043		-0.002
55	26	5.016	5.014		-0.002
55	27	5.032	5.026		-0.006
55	28	5.040	5.026		-0.014
55	29	5.018	5.013		-0.005
55	30	5.035	5.027		-0.008
55	31	5.024	5.014		-0.010
55	32	5.050	5.041		-0.009
55	33	5.020	5.018		-0.002
55	34	5.053	5.045		-0.008
55	35	4.998	4.990		-0.008
55	36	5.018	5.015		-0.003
55	37	5.045	5.037		-0.008
55	38	4.994	4.988		-0.006
55	39	5.076	5.045		-0.031
55	40	5.047	5.070		0.023
55	41	5.034	5.026		-0.008
55	42	5.052	5.048		-0.004
50	43	5.011	5.003		-0.008
50	44	5.058	5.054		-0.004
50	45	5.013	5.009		-0.004
50	46	5.033	5.027		-0.006
50	47	5.071	5.063		-0.008
Max		5.077	5.076		0.023
Average		5.034	5.029		-0.004
Min		4.989	4.986		-0.031
Std Dev		0.023	0.024		0.007



5.78_V_LDO_1M_12V	
Test Site	
Tester	
Test Number	
Max Limit	5.2 V
Min Limit	4.75 V

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.044	5.005	4.991	5.001	4.997	5.003	4.986
Average	5.044	5.028	5.036	5.020	5.036	5.031	5.028
Max	5.044	5.044	5.076	5.056	5.067	5.063	5.070
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

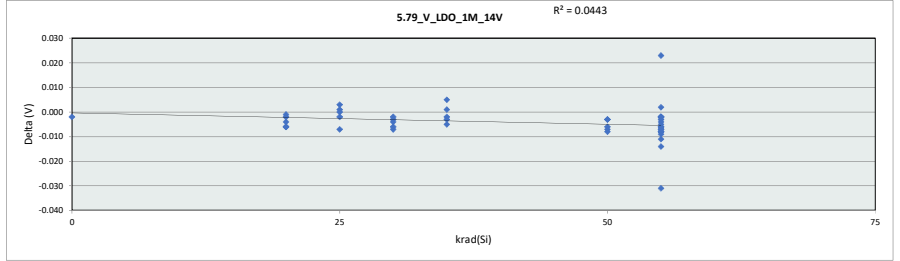


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

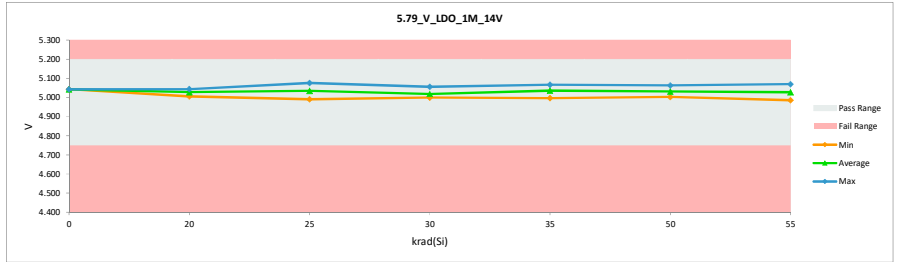
5.79_V_LDO_1M_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	5.2
Min Limit	4.75

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.045	5.043		-0.002
25	1	4.998	4.991		-0.007
25	2	5.000	5.001		0.001
25	3	5.076	5.076		0.000
25	4	5.047	5.050		0.003
25	5	5.061	5.059		-0.002
20	6	5.010	5.006		-0.004
20	7	5.034	5.033		-0.001
20	8	5.046	5.044		-0.002
20	9	5.028	5.022		-0.006
20	10	5.044	5.038		-0.006
35	11	5.031	5.029		-0.002
35	12	5.060	5.065		0.005
35	13	5.066	5.067		0.001
35	14	5.002	4.997		-0.005
35	15	5.025	5.022		-0.003
30	16	5.010	5.007		-0.003
30	17	5.036	5.030		-0.006
30	18	5.004	5.002		-0.002
30	19	5.007	5.000		-0.007
30	20	5.060	5.056		-0.004
55	21	5.059	5.051		-0.008
55	22	4.988	4.986		-0.002
55	23	5.059	5.052		-0.007
55	24	5.032	5.034		0.002
55	25	5.045	5.043		-0.002
55	26	5.016	5.014		-0.002
55	27	5.032	5.026		-0.006
55	28	5.040	5.026		-0.014
55	29	5.018	5.013		-0.005
55	30	5.035	5.027		-0.008
55	31	5.024	5.013		-0.011
55	32	5.050	5.041		-0.009
55	33	5.020	5.018		-0.002
55	34	5.053	5.045		-0.008
55	35	4.997	4.990		-0.007
55	36	5.017	5.014		-0.003
55	37	5.045	5.037		-0.008
55	38	4.994	4.988		-0.006
55	39	5.076	5.045		-0.031
55	40	5.047	5.070		0.023
55	41	5.033	5.026		-0.007
55	42	5.052	5.048		-0.004
50	43	5.011	5.003		-0.008
50	44	5.057	5.054		-0.003
50	45	5.012	5.009		-0.003
50	46	5.033	5.027		-0.006
50	47	5.070	5.063		-0.007
	Max	5.076	5.076		0.023
	Average	5.033	5.029		-0.004
	Min	4.988	4.986		-0.031
	Std Dev	0.023	0.024		0.007



5.79_V_LDO_1M_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	5.2
Min Limit	4.75

krad(Si)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.043	5.006	4.991	5.000	4.997	5.003	4.986
Average	5.043	5.029	5.035	5.019	5.036	5.031	5.028
Max	5.043	5.044	5.076	5.056	5.067	5.063	5.070
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

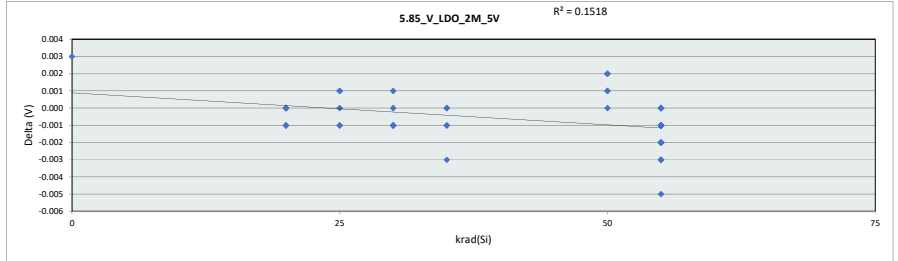


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

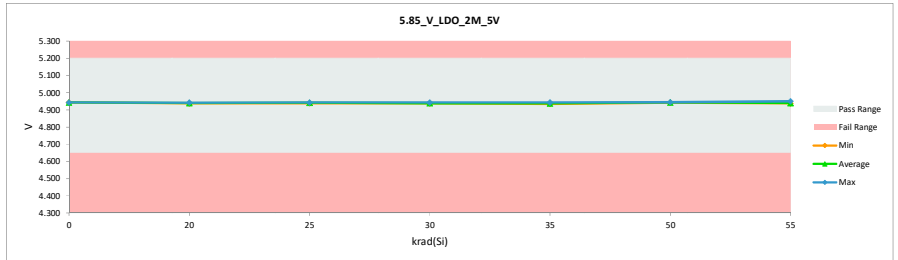
5.85_V_LDO_2M_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.65 4.65

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	4.940	4.943	0.003
25	1	4.939	4.940	0.001
25	2	4.941	4.942	0.001
25	3	4.943	4.943	0.000
25	4	4.942	4.941	-0.001
25	5	4.940	4.939	-0.001
20	6	4.942	4.941	-0.001
20	7	4.937	4.937	0.000
20	8	4.939	4.939	0.000
20	9	4.942	4.942	0.000
20	10	4.941	4.940	-0.001
35	11	4.939	4.936	-0.003
35	12	4.940	4.939	-0.001
35	13	4.935	4.935	0.000
35	14	4.939	4.938	-0.001
35	15	4.943	4.943	0.000
30	16	4.938	4.937	-0.001
30	17	4.939	4.938	-0.001
30	18	4.939	4.938	-0.001
30	19	4.943	4.943	0.000
30	20	4.939	4.940	0.001
55	21	4.943	4.940	-0.003
55	22	4.941	4.940	-0.001
55	23	4.938	4.937	-0.001
55	24	4.943	4.943	0.000
55	25	4.940	4.937	-0.003
55	26	4.944	4.942	-0.002
55	27	4.940	4.939	-0.001
55	28	4.940	4.939	-0.001
55	29	4.952	4.950	-0.002
55	30	4.940	4.939	-0.001
55	31	4.944	4.939	-0.005
55	32	4.943	4.943	0.000
55	33	4.940	4.937	-0.003
55	34	4.939	4.939	0.000
55	35	4.941	4.940	-0.001
55	36	4.941	4.940	-0.001
55	37	4.941	4.940	-0.001
55	38	4.940	4.939	-0.001
55	39	4.941	4.941	0.000
55	40	4.942	4.940	-0.002
55	41	4.940	4.939	-0.001
55	42	4.940	4.938	-0.002
50	43	4.943	4.944	0.001
50	44	4.944	4.945	0.001
50	45	4.941	4.941	0.000
50	46	4.940	4.942	0.002
50	47	4.939	4.941	0.002
Max		4.952	4.950	0.003
Average		4.941	4.940	-0.001
Min		4.935	4.935	-0.005
Std Dev		0.003	0.003	0.001



5.85_V_LDO_2M_5V	
Test Site	
Tester	
Test Number	
Max Limit	5.2 V
Min Limit	4.65 V

krad(Si)	0	20	25	30	35	50	55
LL	4.650	4.650	4.650	4.650	4.650	4.650	4.650
Min	4.943	4.937	4.939	4.937	4.935	4.941	4.937
Average	4.943	4.940	4.941	4.939	4.938	4.943	4.940
Max	4.943	4.942	4.943	4.943	4.943	4.945	4.950
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

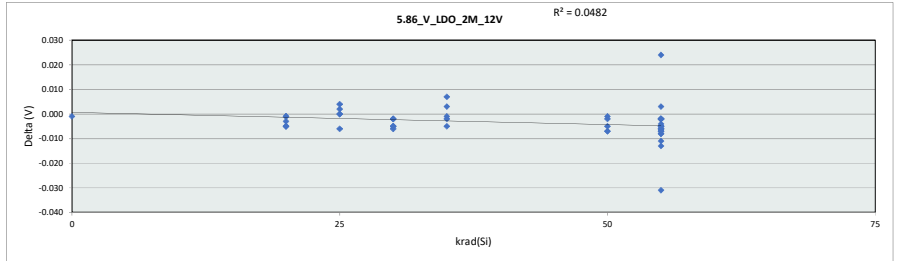


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

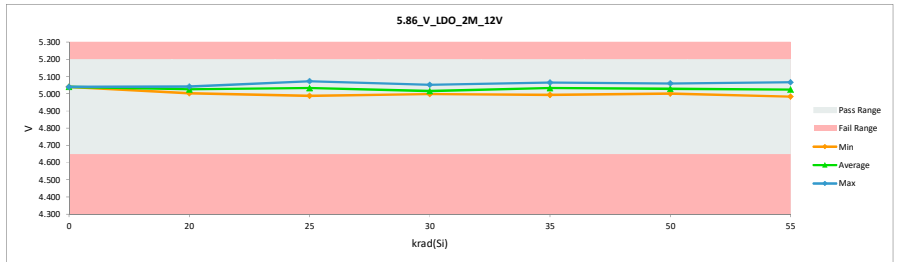
5.86_V_LDO_2M_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	5.2
Min Limit	4.65

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.041	5.040		-0.001
25	1	4.994	4.988		-0.006
25	2	4.997	4.999		0.002
25	3	5.073	5.073		0.000
25	4	5.044	5.048		0.004
25	5	5.056	5.056		0.000
20	6	5.008	5.003		-0.005
20	7	5.030	5.029		-0.001
20	8	5.043	5.042		-0.001
20	9	5.025	5.020		-0.005
20	10	5.039	5.036		-0.003
35	11	5.027	5.026		-0.001
35	12	5.056	5.063		0.007
35	13	5.062	5.065		0.003
35	14	4.999	4.994		-0.005
35	15	5.021	5.019		-0.002
30	16	5.006	5.004		-0.002
30	17	5.033	5.028		-0.005
30	18	5.001	4.999		-0.002
30	19	5.004	4.998		-0.006
30	20	5.057	5.052		-0.005
55	21	5.055	5.048		-0.007
55	22	4.985	4.983		-0.002
55	23	5.054	5.049		-0.005
55	24	5.028	5.031		0.003
55	25	5.042	5.040		-0.002
55	26	5.013	5.011		-0.002
55	27	5.029	5.023		-0.006
55	28	5.036	5.023		-0.013
55	29	5.015	5.010		-0.005
55	30	5.032	5.025		-0.007
55	31	5.021	5.010		-0.011
55	32	5.047	5.039		-0.008
55	33	5.017	5.015		-0.002
55	34	5.050	5.042		-0.008
55	35	4.994	4.988		-0.006
55	36	5.013	5.011		-0.002
55	37	5.041	5.035		-0.006
55	38	4.991	4.986		-0.005
55	39	5.073	5.042		-0.031
55	40	5.043	5.067		0.024
55	41	5.030	5.023		-0.007
55	42	5.049	5.045		-0.004
50	43	5.008	5.001		-0.007
50	44	5.053	5.052		-0.001
50	45	5.009	5.007		-0.002
50	46	5.030	5.025		-0.005
50	47	5.067	5.060		-0.007
	Max	5.073	5.073		0.024
	Average	5.030	5.027		-0.004
	Min	4.985	4.983		-0.031
	Std Dev	0.023	0.024		0.007



5.86_V_LDO_2M_12V	
Test Site	
Tester	
Test Number	
Max Limit	5.2
Min Limit	4.65

krad(Si)	0	20	25	30	35	50	55
LL	4.650	4.650	4.650	4.650	4.650	4.650	4.650
Min	5.040	5.003	4.988	4.998	4.994	5.001	4.983
Average	5.040	5.026	5.033	5.016	5.033	5.029	5.025
Max	5.040	5.042	5.073	5.052	5.065	5.060	5.067
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

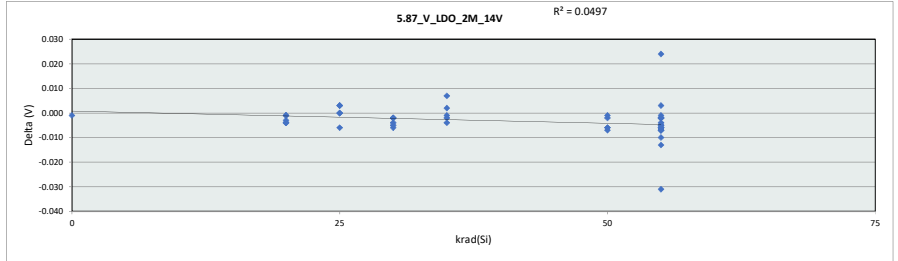


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

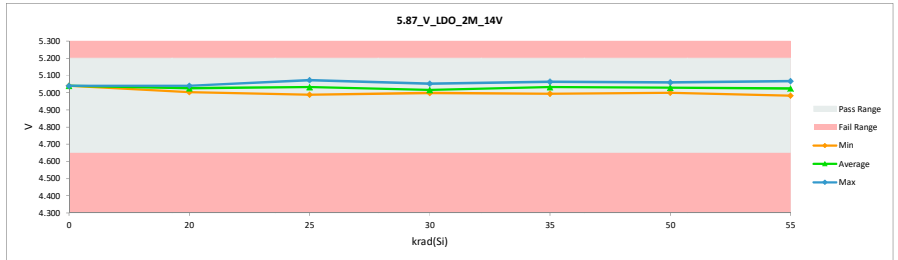
5.87_V_LDO_2M_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.65 4.65

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.041	5.040		-0.001
25	1	4.994	4.988		-0.006
25	2	4.996	4.999		0.003
25	3	5.073	5.073		0.000
25	4	5.044	5.047		0.003
25	5	5.056	5.056		0.000
20	6	5.007	5.003		-0.004
20	7	5.030	5.029		-0.001
20	8	5.042	5.041		-0.001
20	9	5.024	5.020		-0.004
20	10	5.039	5.036		-0.003
35	11	5.026	5.025		-0.001
35	12	5.056	5.063		0.007
35	13	5.062	5.064		0.002
35	14	4.998	4.994		-0.004
35	15	5.021	5.019		-0.002
30	16	5.006	5.004		-0.002
30	17	5.033	5.028		-0.005
30	18	5.001	4.999		-0.002
30	19	5.004	4.998		-0.006
30	20	5.056	5.052		-0.004
55	21	5.055	5.048		-0.007
55	22	4.985	4.983		-0.002
55	23	5.054	5.048		-0.006
55	24	5.028	5.031		0.003
55	25	5.042	5.040		-0.002
55	26	5.013	5.011		-0.002
55	27	5.028	5.023		-0.005
55	28	5.036	5.023		-0.013
55	29	5.015	5.010		-0.005
55	30	5.031	5.025		-0.006
55	31	5.020	5.010		-0.010
55	32	5.046	5.039		-0.007
55	33	5.016	5.015		-0.001
55	34	5.049	5.042		-0.007
55	35	4.993	4.987		-0.006
55	36	5.013	5.011		-0.002
55	37	5.041	5.035		-0.006
55	38	4.991	4.985		-0.006
55	39	5.073	5.042		-0.031
55	40	5.043	5.067		0.024
55	41	5.030	5.023		-0.007
55	42	5.049	5.045		-0.004
50	43	5.007	5.000		-0.007
50	44	5.053	5.052		-0.001
50	45	5.009	5.007		-0.002
50	46	5.030	5.024		-0.006
50	47	5.066	5.060		-0.006
	Max	5.073	5.073		0.024
	Average	5.030	5.026		-0.003
	Min	4.985	4.983		-0.031
	Std Dev	0.023	0.024		0.007



5.87_V_LDO_2M_14V	
Test Site	
Tester	
Test Number	
Max Limit	5.2 V
Min Limit	4.65 V

krad(Si)	0	20	25	30	35	50	55
LL	4.650	4.650	4.650	4.650	4.650	4.650	4.650
Min	5.040	5.003	4.988	4.998	4.994	5.000	4.983
Average	5.040	5.026	5.033	5.016	5.033	5.029	5.025
Max	5.040	5.041	5.073	5.052	5.064	5.060	5.067
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

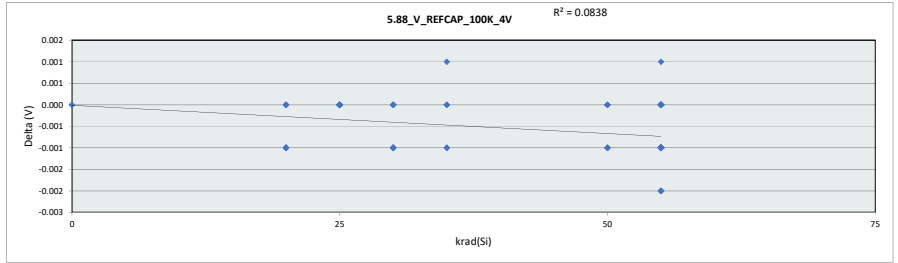


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

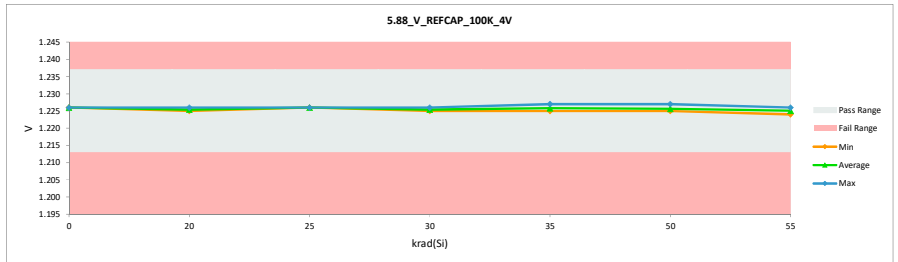
5.88_V_REFCAP_100K_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.226		0.000
25	2	1.226	1.226		0.000
25	3	1.226	1.226		0.000
25	4	1.226	1.226		0.000
25	5	1.226	1.226		0.000
20	6	1.226	1.225		-0.001
20	7	1.226	1.226		0.000
20	8	1.226	1.225		-0.001
20	9	1.226	1.225		-0.001
20	10	1.226	1.226		0.000
35	11	1.226	1.225		-0.001
35	12	1.226	1.227		0.001
35	13	1.226	1.226		0.000
35	14	1.226	1.225		-0.001
35	15	1.226	1.226		0.000
30	16	1.226	1.225		-0.001
30	17	1.226	1.225		-0.001
30	18	1.226	1.226		0.000
30	19	1.226	1.226		0.000
30	20	1.226	1.225		-0.001
55	21	1.226	1.225		-0.001
55	22	1.226	1.225		-0.001
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.226	1.226		0.000
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.226	1.226		0.000
55	29	1.226	1.226		0.000
55	30	1.226	1.225		-0.001
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.225	1.224		-0.001
55	36	1.226	1.225		-0.001
55	37	1.226	1.225		-0.001
55	38	1.226	1.226		0.000
55	39	1.225	1.226		0.001
55	40	1.226	1.224		-0.002
55	41	1.226	1.225		-0.001
55	42	1.225	1.225		0.000
50	43	1.226	1.225		-0.001
50	44	1.226	1.225		-0.001
50	45	1.226	1.225		-0.001
50	46	1.226	1.226		0.000
50	47	1.227	1.227		0.000
	Max	1.227	1.227		0.001
	Average	1.226	1.225		-0.001
	Min	1.225	1.224		-0.002
	Std Dev	0.000	0.001		0.001



5.88_V_REFCAP_100K_4V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.225	1.225	1.224
Average	1.226	1.225	1.226	1.225	1.226	1.226	1.225
Max	1.226	1.226	1.226	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

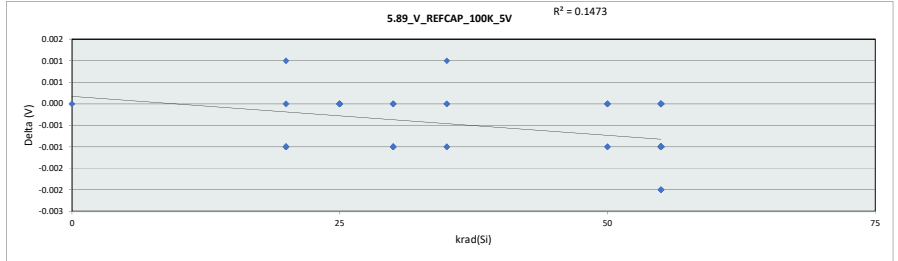


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

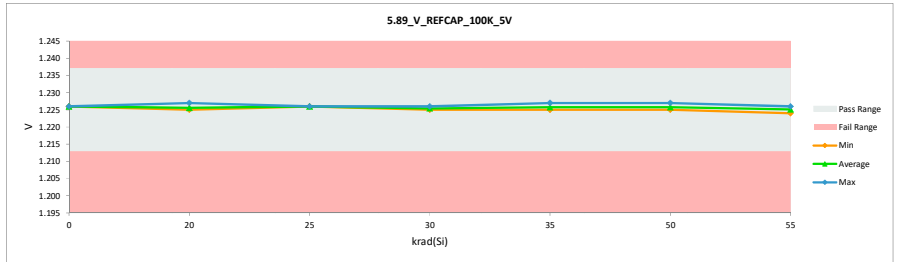
5.89_V_REFCAP_100K_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	1.226	1.226	0.000
25	1	1.226	1.226	0.000
25	2	1.226	1.226	0.000
25	3	1.226	1.226	0.000
25	4	1.226	1.226	0.000
25	5	1.226	1.226	0.000
20	6	1.226	1.225	-0.001
20	7	1.226	1.226	0.000
20	8	1.226	1.225	-0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.227	0.001
35	11	1.226	1.225	-0.001
35	12	1.226	1.227	0.001
35	13	1.226	1.226	0.000
35	14	1.226	1.225	-0.001
35	15	1.226	1.226	0.000
30	16	1.226	1.225	-0.001
30	17	1.226	1.225	-0.001
30	18	1.226	1.226	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.225	-0.001
55	21	1.226	1.225	-0.001
55	22	1.226	1.226	0.000
55	23	1.226	1.224	-0.002
55	24	1.226	1.226	0.000
55	25	1.226	1.226	0.000
55	26	1.226	1.225	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.226	0.000
55	29	1.227	1.226	-0.001
55	30	1.226	1.225	-0.001
55	31	1.226	1.225	-0.001
55	32	1.226	1.225	-0.001
55	33	1.226	1.225	-0.001
55	34	1.226	1.224	-0.002
55	35	1.226	1.224	-0.002
55	36	1.226	1.225	-0.001
55	37	1.226	1.225	-0.001
55	38	1.226	1.226	0.000
55	39	1.226	1.226	0.000
55	40	1.226	1.224	-0.002
55	41	1.226	1.225	-0.001
55	42	1.226	1.225	-0.001
50	43	1.226	1.225	-0.001
50	44	1.226	1.226	0.000
50	45	1.226	1.225	-0.001
50	46	1.226	1.226	0.000
50	47	1.227	1.227	0.000
	Max	1.227	1.227	0.001
	Average	1.226	1.225	-0.001
	Min	1.226	1.224	-0.002
	Std Dev	0.000	0.001	0.001



5.89_V_REFCAP_100K_5V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.225	1.225	1.224
Average	1.226	1.226	1.226	1.225	1.226	1.226	1.225
Max	1.226	1.227	1.226	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

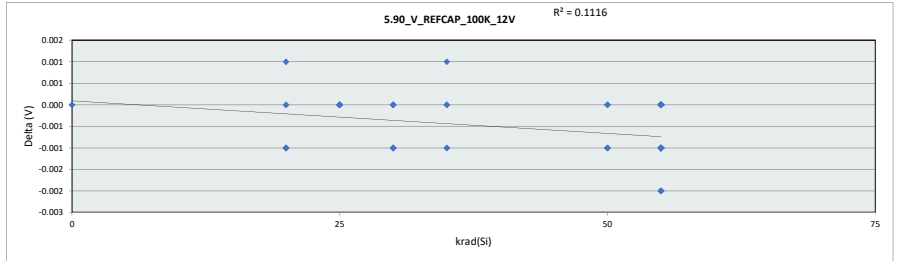


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

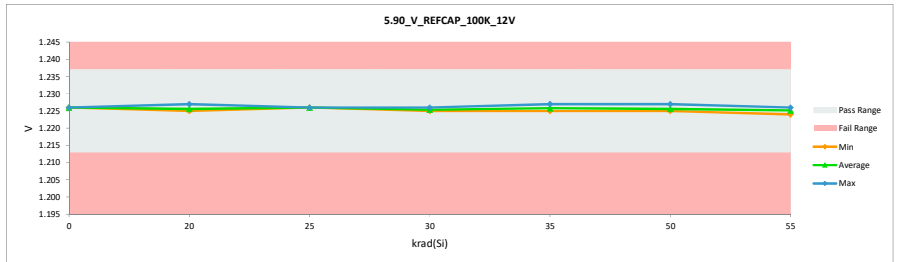
5.90_V_REFCAP_100K_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.226		0.000
25	2	1.226	1.226		0.000
25	3	1.226	1.226		0.000
25	4	1.226	1.226		0.000
25	5	1.226	1.226		0.000
20	6	1.226	1.225		-0.001
20	7	1.226	1.226		0.000
20	8	1.226	1.225		-0.001
20	9	1.226	1.225		-0.001
20	10	1.226	1.227		0.001
35	11	1.226	1.225		-0.001
35	12	1.226	1.227		0.001
35	13	1.226	1.226		0.000
35	14	1.226	1.225		-0.001
35	15	1.226	1.226		0.000
30	16	1.226	1.225		-0.001
30	17	1.226	1.225		-0.001
30	18	1.226	1.226		0.000
30	19	1.226	1.226		0.000
30	20	1.226	1.225		-0.001
55	21	1.226	1.225		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.226	1.226		0.000
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.226	1.226		0.000
55	29	1.226	1.226		0.000
55	30	1.226	1.225		-0.001
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.226	1.224		-0.002
55	36	1.226	1.225		-0.001
55	37	1.226	1.225		-0.001
55	38	1.226	1.226		0.000
55	39	1.226	1.226		0.000
55	40	1.226	1.225		-0.001
55	41	1.226	1.225		-0.001
55	42	1.225	1.225		0.000
50	43	1.226	1.225		-0.001
50	44	1.226	1.225		-0.001
50	45	1.226	1.225		-0.001
50	46	1.226	1.226		0.000
50	47	1.227	1.227		0.000
	Max	1.227	1.227		0.001
	Average	1.226	1.225		-0.001
	Min	1.225	1.224		-0.002
	Std Dev	0.000	0.001		0.001



5.90_V_REFCAP_100K_12V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.225	1.225	1.224
Average	1.226	1.226	1.226	1.225	1.226	1.226	1.225
Max	1.226	1.227	1.226	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

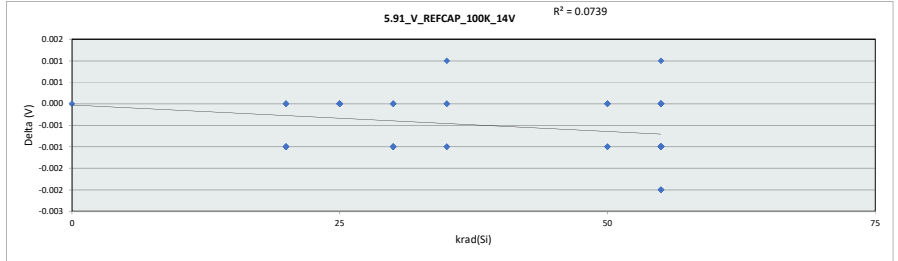


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

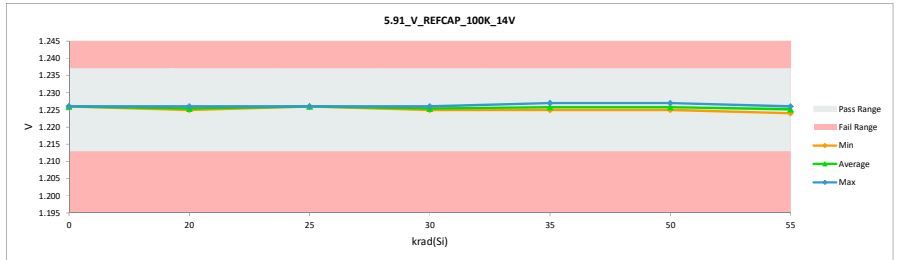
5.91_V_REFCAP_100K_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	1.226	1.226	0.000
25	1	1.226	1.226	0.000
25	2	1.226	1.226	0.000
25	3	1.226	1.226	0.000
25	4	1.226	1.226	0.000
25	5	1.226	1.226	0.000
20	6	1.226	1.225	-0.001
20	7	1.226	1.226	0.000
20	8	1.226	1.225	-0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.226	0.000
35	11	1.226	1.225	-0.001
35	12	1.226	1.227	0.001
35	13	1.226	1.226	0.000
35	14	1.226	1.225	-0.001
35	15	1.226	1.226	0.000
30	16	1.226	1.225	-0.001
30	17	1.226	1.225	-0.001
30	18	1.226	1.226	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.225	-0.001
55	21	1.226	1.225	-0.001
55	22	1.226	1.226	0.000
55	23	1.226	1.224	-0.002
55	24	1.226	1.226	0.000
55	25	1.226	1.226	0.000
55	26	1.226	1.225	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.226	0.000
55	29	1.226	1.226	0.000
55	30	1.226	1.225	-0.001
55	31	1.226	1.225	-0.001
55	32	1.226	1.225	-0.001
55	33	1.226	1.225	-0.001
55	34	1.226	1.224	-0.002
55	35	1.226	1.224	-0.002
55	36	1.226	1.225	-0.001
55	37	1.226	1.225	-0.001
55	38	1.226	1.226	0.000
55	39	1.225	1.226	0.001
55	40	1.226	1.225	-0.001
55	41	1.226	1.225	-0.001
55	42	1.226	1.225	-0.001
50	43	1.226	1.225	-0.001
50	44	1.226	1.226	0.000
50	45	1.226	1.225	-0.001
50	46	1.226	1.226	0.000
50	47	1.227	1.227	0.000
	Max	1.227	1.227	0.001
	Average	1.226	1.225	-0.001
	Min	1.225	1.224	-0.002
	Std Dev	0.000	0.001	0.001



5.91_V_REFCAP_100K_14V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.225	1.225	1.224
Average	1.226	1.225	1.226	1.225	1.226	1.226	1.225
Max	1.226	1.226	1.226	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

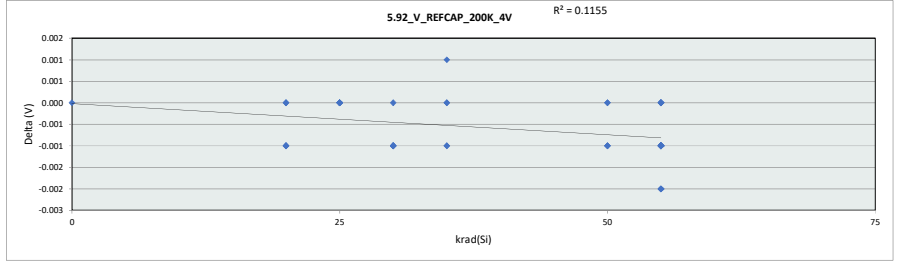


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

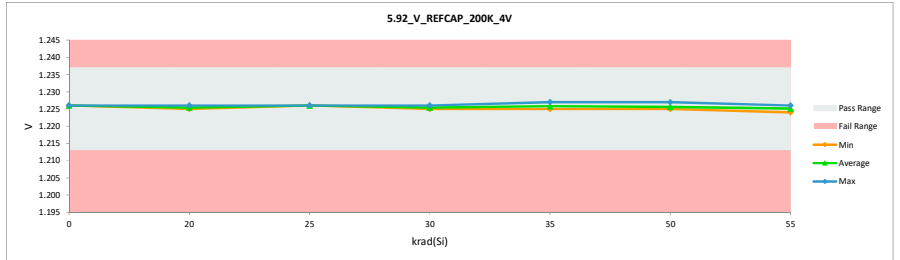
5.92_V_REFCAP_200K_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.226		0.000
25	2	1.226	1.226		0.000
25	3	1.226	1.226		0.000
25	4	1.226	1.226		0.000
25	5	1.226	1.226		0.000
20	6	1.226	1.225		-0.001
20	7	1.226	1.226		0.000
20	8	1.226	1.225		-0.001
20	9	1.226	1.225		-0.001
20	10	1.226	1.226		0.000
35	11	1.226	1.225		-0.001
35	12	1.226	1.227		0.001
35	13	1.226	1.226		0.000
35	14	1.226	1.225		-0.001
35	15	1.226	1.226		0.000
30	16	1.226	1.225		-0.001
30	17	1.226	1.225		-0.001
30	18	1.226	1.226		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.226	1.225		-0.001
55	22	1.226	1.225		-0.001
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.226	1.226		0.000
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.226	1.226		0.000
55	29	1.226	1.226		0.000
55	30	1.226	1.225		-0.001
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.226	1.224		-0.002
55	36	1.226	1.225		-0.001
55	37	1.226	1.225		-0.001
55	38	1.226	1.226		0.000
55	39	1.226	1.226		0.000
55	40	1.226	1.225		-0.001
55	41	1.226	1.225		-0.001
55	42	1.226	1.225		-0.001
50	43	1.226	1.225		-0.001
50	44	1.226	1.225		-0.001
50	45	1.226	1.225		-0.001
50	46	1.226	1.226		0.000
50	47	1.227	1.227		0.000
	Max	1.227	1.227		0.001
	Average	1.226	1.225		-0.001
	Min	1.226	1.224		-0.002
	Std Dev	0.000	0.001		0.001



5.92_V_REFCAP_200K_4V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.225	1.225	1.224
Average	1.226	1.225	1.226	1.225	1.226	1.226	1.225
Max	1.226	1.226	1.226	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

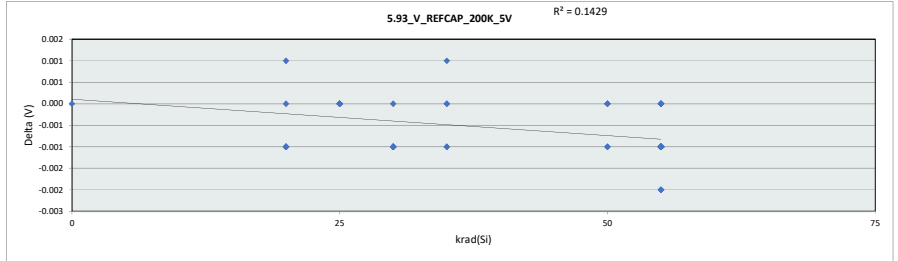


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

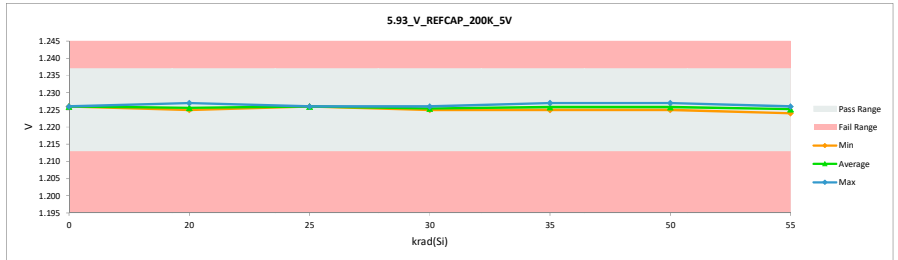
5.93_V_REFCAP_200K_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006 SEP_Pre	HD006 SEP_Post	Delta
0	48	1.226	1.226	0.000
25	1	1.226	1.226	0.000
25	2	1.226	1.226	0.000
25	3	1.226	1.226	0.000
25	4	1.226	1.226	0.000
25	5	1.226	1.226	0.000
20	6	1.226	1.225	-0.001
20	7	1.226	1.226	0.000
20	8	1.226	1.225	-0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.227	0.001
35	11	1.226	1.225	-0.001
35	12	1.226	1.227	0.001
35	13	1.226	1.226	0.000
35	14	1.226	1.225	-0.001
35	15	1.226	1.226	0.000
30	16	1.226	1.225	-0.001
30	17	1.226	1.225	-0.001
30	18	1.226	1.226	0.000
30	19	1.227	1.226	-0.001
30	20	1.226	1.225	-0.001
55	21	1.226	1.225	-0.001
55	22	1.226	1.226	0.000
55	23	1.226	1.224	-0.002
55	24	1.226	1.226	0.000
55	25	1.227	1.226	-0.001
55	26	1.226	1.225	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.226	0.000
55	29	1.227	1.226	-0.001
55	30	1.226	1.225	-0.001
55	31	1.226	1.225	-0.001
55	32	1.226	1.225	-0.001
55	33	1.226	1.225	-0.001
55	34	1.226	1.224	-0.002
55	35	1.226	1.225	-0.001
55	36	1.226	1.225	-0.001
55	37	1.227	1.225	-0.002
55	38	1.226	1.226	0.000
55	39	1.226	1.226	0.000
55	40	1.226	1.225	-0.001
55	41	1.226	1.225	-0.001
55	42	1.226	1.225	-0.001
50	43	1.226	1.225	-0.001
50	44	1.226	1.226	0.000
50	45	1.226	1.225	-0.001
50	46	1.226	1.226	0.000
50	47	1.227	1.227	0.000
	Max	1.227	1.227	0.001
	Average	1.226	1.225	-0.001
	Min	1.226	1.224	-0.002
	Std Dev	0.000	0.001	0.001



5.93_V_REFCAP_200K_5V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

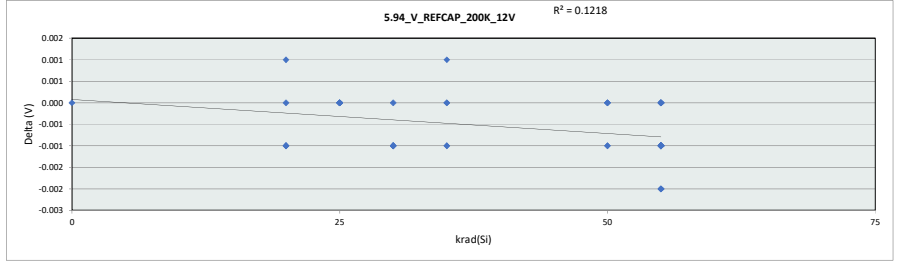
krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.225	1.225	1.224
Average	1.226	1.226	1.226	1.225	1.226	1.226	1.225
Max	1.226	1.227	1.226	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237



HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

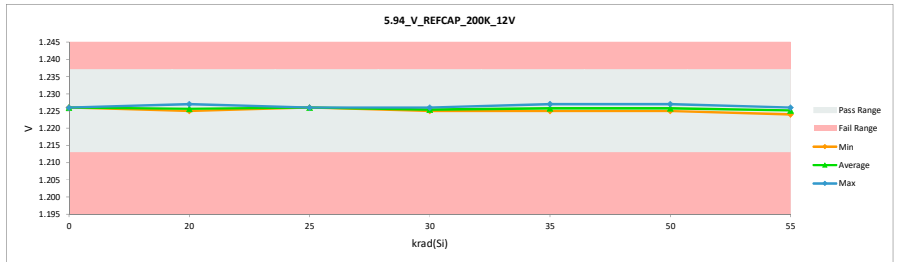
5.94_V_REFCAP_200K_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213



krad(Si)	Serial #	006 SEP_Pre	HD006 SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.226		0.000
25	2	1.226	1.226		0.000
25	3	1.226	1.226		0.000
25	4	1.226	1.226		0.000
25	5	1.226	1.226		0.000
20	6	1.226	1.225		-0.001
20	7	1.226	1.226		0.000
20	8	1.226	1.225		-0.001
20	9	1.226	1.225		-0.001
20	10	1.226	1.227		0.001
35	11	1.226	1.225		-0.001
35	12	1.226	1.227		0.001
35	13	1.226	1.226		0.000
35	14	1.226	1.225		-0.001
35	15	1.226	1.226		0.000
30	16	1.226	1.225		-0.001
30	17	1.226	1.225		-0.001
30	18	1.226	1.226		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.226	1.225		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.226	1.226		0.000
55	29	1.227	1.226		-0.001
55	30	1.226	1.225		-0.001
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.226	1.224		-0.002
55	36	1.226	1.225		-0.001
55	37	1.226	1.225		-0.001
55	38	1.226	1.226		0.000
55	39	1.226	1.226		0.000
55	40	1.226	1.225		-0.001
55	41	1.226	1.225		-0.001
55	42	1.225	1.225		0.000
50	43	1.226	1.225		-0.001
50	44	1.226	1.226		0.000
50	45	1.226	1.225		-0.001
50	46	1.226	1.226		0.000
50	47	1.227	1.227		0.000
	Max	1.227	1.227		0.001
	Average	1.226	1.225		-0.001
	Min	1.225	1.224		-0.002
	Std Dev	0.000	0.001		0.001

5.94_V_REFCAP_200K_12V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.225	1.225	1.224
Average	1.226	1.226	1.226	1.225	1.226	1.226	1.225
Max	1.226	1.227	1.226	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

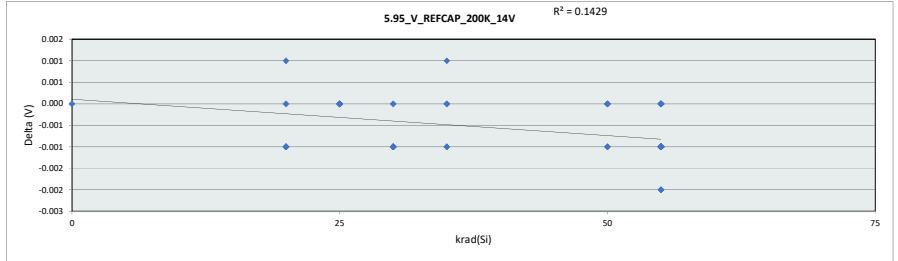


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

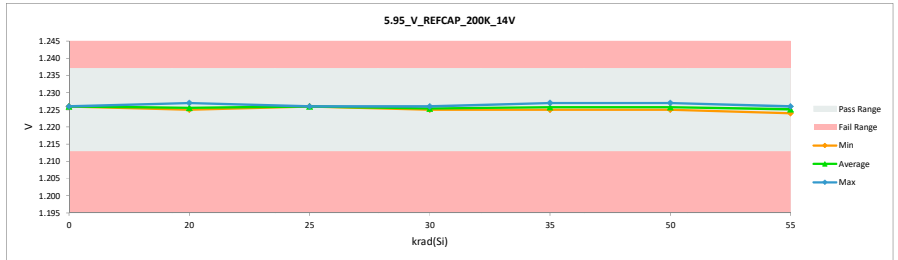
5.95_V_REFCAP_200K_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006 SEP_Pre	HD006 SEP_Post	Delta
0	48	1.226	1.226	0.000
25	1	1.226	1.226	0.000
25	2	1.226	1.226	0.000
25	3	1.226	1.226	0.000
25	4	1.226	1.226	0.000
25	5	1.226	1.226	0.000
20	6	1.226	1.225	-0.001
20	7	1.226	1.226	0.000
20	8	1.226	1.225	-0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.227	0.001
35	11	1.226	1.225	-0.001
35	12	1.226	1.227	0.001
35	13	1.226	1.226	0.000
35	14	1.226	1.225	-0.001
35	15	1.226	1.226	0.000
30	16	1.226	1.225	-0.001
30	17	1.226	1.225	-0.001
30	18	1.226	1.226	0.000
30	19	1.227	1.226	-0.001
30	20	1.226	1.225	-0.001
55	21	1.226	1.225	-0.001
55	22	1.226	1.226	0.000
55	23	1.226	1.224	-0.002
55	24	1.226	1.226	0.000
55	25	1.227	1.226	-0.001
55	26	1.226	1.225	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.226	0.000
55	29	1.227	1.226	-0.001
55	30	1.226	1.225	-0.001
55	31	1.226	1.225	-0.001
55	32	1.226	1.225	-0.001
55	33	1.226	1.225	-0.001
55	34	1.226	1.224	-0.002
55	35	1.226	1.224	-0.002
55	36	1.226	1.225	-0.001
55	37	1.226	1.225	-0.001
55	38	1.226	1.226	0.000
55	39	1.226	1.226	0.000
55	40	1.226	1.225	-0.001
55	41	1.226	1.225	-0.001
55	42	1.226	1.225	-0.001
50	43	1.226	1.225	-0.001
50	44	1.226	1.226	0.000
50	45	1.226	1.225	-0.001
50	46	1.226	1.226	0.000
50	47	1.227	1.227	0.000
Max		1.227	1.227	0.001
Average		1.226	1.225	-0.001
Min		1.226	1.224	-0.002
Std Dev		0.000	0.001	0.001



5.95_V_REFCAP_200K_14V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.225	1.225	1.224
Average	1.226	1.226	1.226	1.225	1.226	1.226	1.225
Max	1.226	1.227	1.226	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

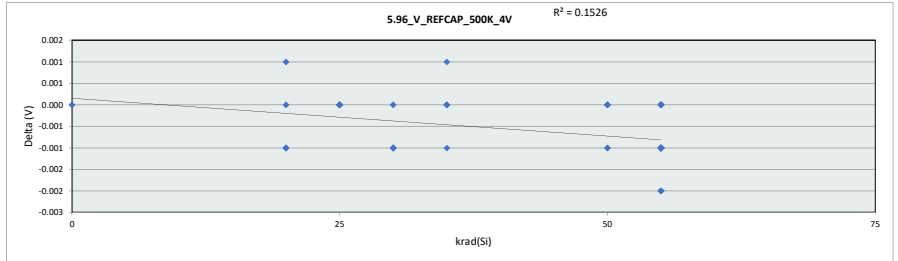


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

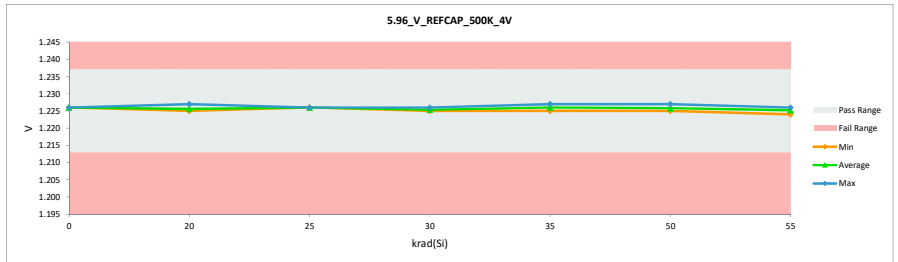
5.96_V_REFCAP_500K_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.226		0.000
25	2	1.226	1.226		0.000
25	3	1.226	1.226		0.000
25	4	1.226	1.226		0.000
25	5	1.226	1.226		0.000
20	6	1.226	1.225		-0.001
20	7	1.226	1.226		0.000
20	8	1.226	1.225		-0.001
20	9	1.226	1.225		-0.001
20	10	1.226	1.227		0.001
35	11	1.226	1.226		0.000
35	12	1.226	1.227		0.001
35	13	1.226	1.226		0.000
35	14	1.226	1.225		-0.001
35	15	1.226	1.226		0.000
30	16	1.226	1.225		-0.001
30	17	1.226	1.225		-0.001
30	18	1.226	1.226		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.226	1.225		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.226	1.226		0.000
55	29	1.227	1.226		-0.001
55	30	1.226	1.225		-0.001
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.226	1.225		-0.001
55	36	1.226	1.225		-0.001
55	37	1.227	1.225		-0.002
55	38	1.226	1.226		0.000
55	39	1.226	1.226		0.000
55	40	1.226	1.225		-0.001
55	41	1.226	1.225		-0.001
55	42	1.226	1.225		-0.001
50	43	1.226	1.225		-0.001
50	44	1.226	1.226		0.000
50	45	1.226	1.225		-0.001
50	46	1.226	1.226		0.000
50	47	1.227	1.227		0.000
	Max	1.227	1.227		0.001
	Average	1.226	1.226		-0.001
	Min	1.226	1.224		-0.002
	Std Dev	0.000	0.001		0.001



5.96_V_REFCAP_500K_4V	
Test Site	
Tester	
Test Number	
Max Limit	1.237 V
Min Limit	1.213 V

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.225	1.225	1.224
Average	1.226	1.226	1.226	1.225	1.226	1.226	1.225
Max	1.226	1.227	1.226	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

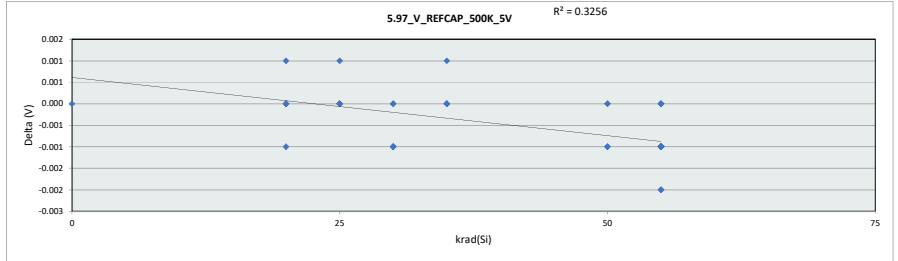


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

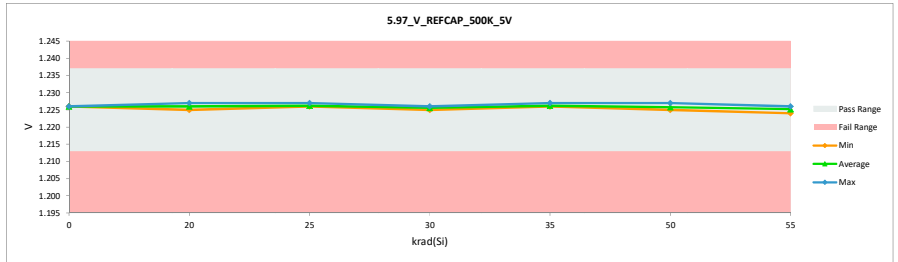
5.97_V_REFCAP_500K_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006 SEP_Pre	HD006 SEP_Post	Delta
0	48	1.226	1.226	0.000
25	1	1.226	1.226	0.000
25	2	1.226	1.227	0.001
25	3	1.226	1.226	0.000
25	4	1.226	1.226	0.000
25	5	1.226	1.226	0.000
20	6	1.226	1.225	-0.001
20	7	1.226	1.226	0.000
20	8	1.226	1.226	0.000
20	9	1.226	1.226	0.000
20	10	1.226	1.227	0.001
35	11	1.226	1.226	0.000
35	12	1.226	1.227	0.001
35	13	1.226	1.226	0.000
35	14	1.226	1.226	0.000
35	15	1.226	1.226	0.000
30	16	1.226	1.226	0.000
30	17	1.226	1.225	-0.001
30	18	1.226	1.226	0.000
30	19	1.227	1.226	-0.001
30	20	1.226	1.225	-0.001
55	21	1.226	1.225	-0.001
55	22	1.226	1.226	0.000
55	23	1.226	1.224	-0.002
55	24	1.226	1.226	0.000
55	25	1.227	1.226	-0.001
55	26	1.226	1.225	-0.001
55	27	1.226	1.225	-0.001
55	28	1.227	1.226	-0.001
55	29	1.227	1.226	-0.001
55	30	1.226	1.225	-0.001
55	31	1.226	1.225	-0.001
55	32	1.226	1.225	-0.001
55	33	1.226	1.225	-0.001
55	34	1.226	1.224	-0.002
55	35	1.226	1.225	-0.001
55	36	1.226	1.225	-0.001
55	37	1.227	1.225	-0.002
55	38	1.226	1.226	0.000
55	39	1.226	1.226	0.000
55	40	1.226	1.225	-0.001
55	41	1.226	1.225	-0.001
55	42	1.226	1.225	-0.001
50	43	1.226	1.225	-0.001
50	44	1.227	1.226	-0.001
50	45	1.226	1.225	-0.001
50	46	1.226	1.226	0.000
50	47	1.227	1.227	0.000
Max		1.227	1.227	0.001
Average		1.226	1.226	-0.001
Min		1.226	1.224	-0.002
Std Dev		0.000	0.001	0.001



5.97_V_REFCAP_500K_5V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.226	1.225	1.224
Average	1.226	1.226	1.226	1.226	1.226	1.226	1.225
Max	1.226	1.227	1.227	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

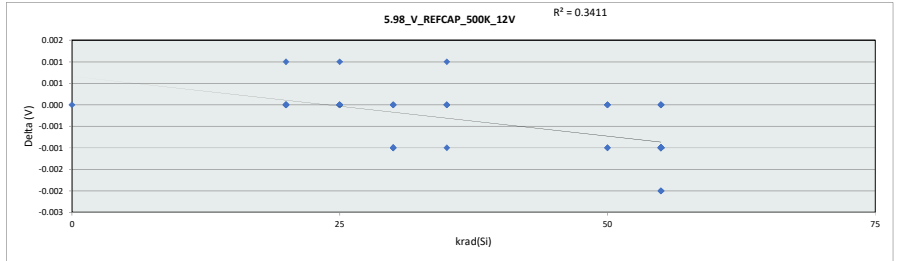


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

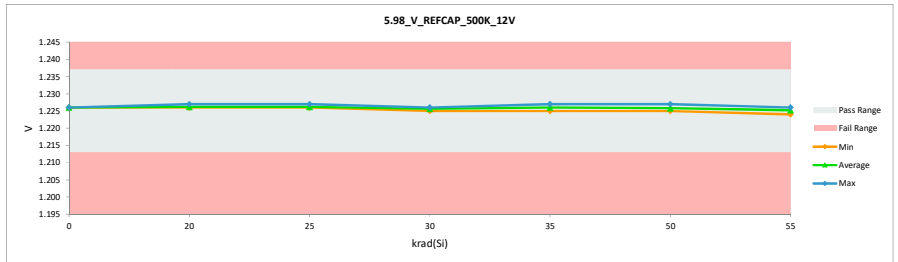
5.98_V_REFCAP_500K_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.226		0.000
25	2	1.226	1.227		0.001
25	3	1.226	1.226		0.000
25	4	1.226	1.226		0.000
25	5	1.226	1.226		0.000
20	6	1.226	1.226		0.000
20	7	1.226	1.226		0.000
20	8	1.226	1.226		0.000
20	9	1.226	1.226		0.000
20	10	1.226	1.227		0.001
35	11	1.226	1.226		0.000
35	12	1.226	1.227		0.001
35	13	1.226	1.226		0.000
35	14	1.226	1.225		-0.001
35	15	1.226	1.226		0.000
30	16	1.226	1.226		0.000
30	17	1.226	1.225		-0.001
30	18	1.226	1.226		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.226	1.225		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.226	1.226		0.000
55	29	1.227	1.226		-0.001
55	30	1.226	1.225		-0.001
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.226	1.225		-0.001
55	36	1.226	1.225		-0.001
55	37	1.227	1.225		-0.002
55	38	1.227	1.226		-0.001
55	39	1.226	1.226		0.000
55	40	1.226	1.225		-0.001
55	41	1.226	1.225		-0.001
55	42	1.226	1.225		-0.001
50	43	1.226	1.225		-0.001
50	44	1.226	1.226		0.000
50	45	1.226	1.225		-0.001
50	46	1.226	1.226		0.000
50	47	1.227	1.227		0.000
	Max	1.227	1.227		0.001
	Average	1.226	1.226		0.000
	Min	1.226	1.224		-0.002
	Std Dev	0.000	0.001		0.001



5.98_V_REFCAP_500K_12V	
Test Site	
Tester	
Test Number	
Max Limit	V
Min Limit	V

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.225	1.225	1.224
Average	1.226	1.226	1.226	1.226	1.226	1.226	1.225
Max	1.226	1.227	1.227	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

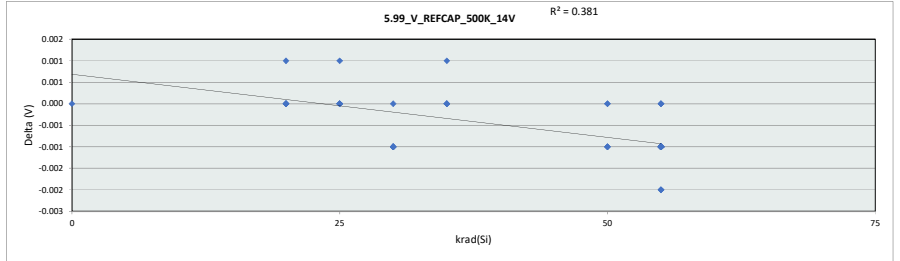


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

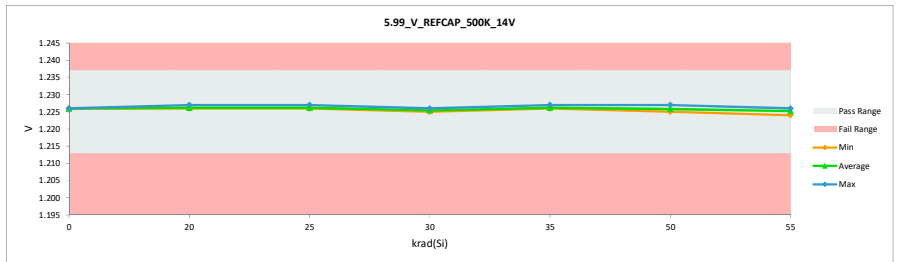
5.99_V_REFCAP_500K_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	006 SEP_Pre	HD006 SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.226		0.000
25	2	1.226	1.227		0.001
25	3	1.226	1.226		0.000
25	4	1.226	1.226		0.000
25	5	1.226	1.226		0.000
20	6	1.226	1.226		0.000
20	7	1.226	1.226		0.000
20	8	1.226	1.226		0.000
20	9	1.226	1.226		0.000
20	10	1.226	1.227		0.001
35	11	1.226	1.226		0.000
35	12	1.226	1.227		0.001
35	13	1.226	1.226		0.000
35	14	1.226	1.226		0.000
35	15	1.226	1.226		0.000
30	16	1.226	1.225		-0.001
30	17	1.226	1.225		-0.001
30	18	1.226	1.226		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.226	1.225		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.227	1.226		-0.001
55	29	1.227	1.226		-0.001
55	30	1.226	1.225		-0.001
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.226	1.225		-0.001
55	36	1.226	1.225		-0.001
55	37	1.227	1.225		-0.002
55	38	1.227	1.226		-0.001
55	39	1.226	1.226		0.000
55	40	1.226	1.225		-0.001
55	41	1.226	1.225		-0.001
55	42	1.226	1.225		-0.001
50	43	1.226	1.225		-0.001
50	44	1.227	1.226		-0.001
50	45	1.226	1.225		-0.001
50	46	1.226	1.226		0.000
50	47	1.227	1.227		0.000
	Max	1.227	1.227		0.001
	Average	1.226	1.226		-0.001
	Min	1.226	1.224		-0.002
	Std Dev	0.000	0.001		0.001



5.99_V_REFCAP_500K_14V	
Test Site	
Tester	
Test Number	
Max Limit	1.237 V
Min Limit	1.213 V

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.224
Average	1.226	1.226	1.226	1.225	1.226	1.226	1.225
Max	1.226	1.227	1.227	1.226	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

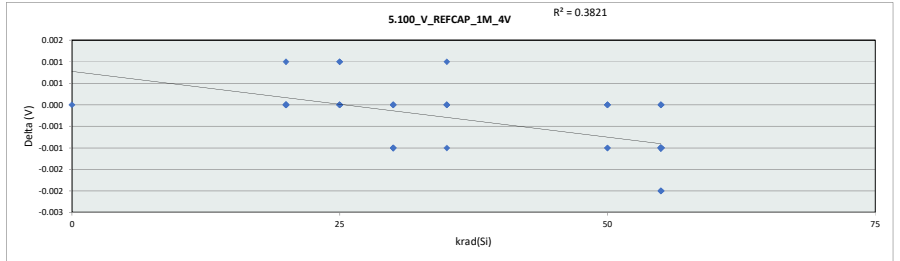


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

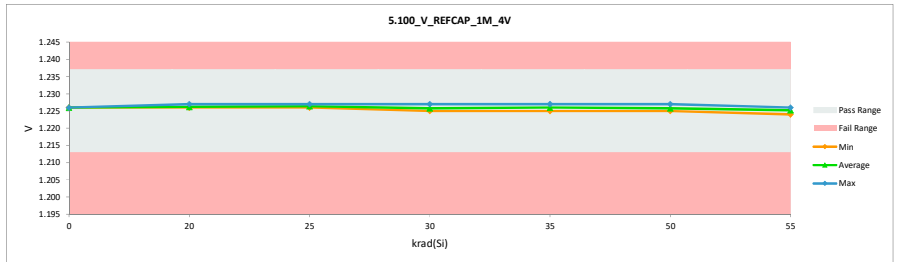
5.100_V_REFCAP_1M_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.226		0.000
25	2	1.226	1.227		0.001
25	3	1.226	1.227		0.001
25	4	1.226	1.226		0.000
25	5	1.226	1.226		0.000
20	6	1.226	1.226		0.000
20	7	1.226	1.226		0.000
20	8	1.226	1.226		0.000
20	9	1.226	1.226		0.000
20	10	1.226	1.227		0.001
35	11	1.226	1.226		0.000
35	12	1.226	1.227		0.001
35	13	1.226	1.226		0.000
35	14	1.226	1.225		-0.001
35	15	1.226	1.226		0.000
30	16	1.226	1.226		0.000
30	17	1.226	1.225		-0.001
30	18	1.227	1.227		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.226	1.225		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.227	1.226		-0.001
55	29	1.227	1.226		-0.001
55	30	1.226	1.225		-0.001
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.226	1.225		-0.001
55	36	1.226	1.225		-0.001
55	37	1.227	1.225		-0.002
55	38	1.227	1.226		-0.001
55	39	1.226	1.226		0.000
55	40	1.226	1.225		-0.001
55	41	1.226	1.225		-0.001
55	42	1.226	1.225		-0.001
50	43	1.226	1.225		-0.001
50	44	1.226	1.226		0.000
50	45	1.226	1.225		-0.001
50	46	1.226	1.226		0.000
50	47	1.227	1.227		0.000
	Max	1.227	1.227		0.001
	Average	1.226	1.226		0.000
	Min	1.226	1.224		-0.002
	Std Dev	0.000	0.001		0.001



5.100_V_REFCAP_1M_4V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.225	1.225	1.224
Average	1.226	1.226	1.226	1.226	1.226	1.226	1.225
Max	1.226	1.227	1.227	1.227	1.227	1.227	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

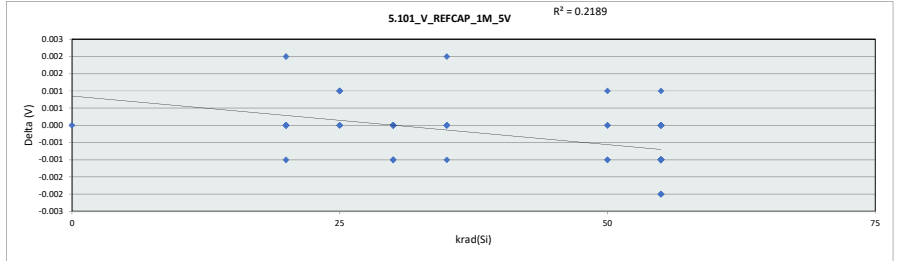


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

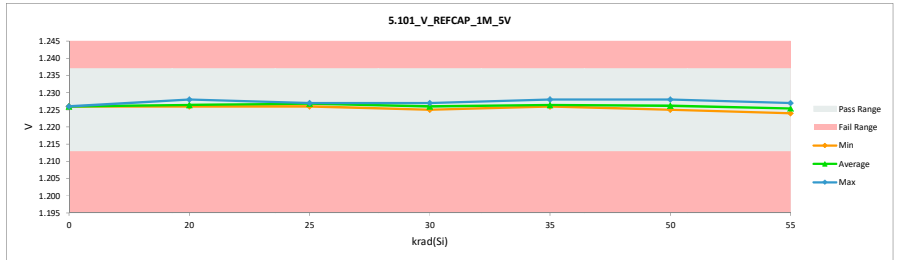
5.101_V_REFCAP_1M_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.227		0.001
25	2	1.226	1.227		0.001
25	3	1.227	1.227		0.000
25	4	1.226	1.227		0.001
25	5	1.226	1.226		0.000
20	6	1.226	1.226		0.000
20	7	1.227	1.226		-0.001
20	8	1.226	1.226		0.000
20	9	1.226	1.226		0.000
20	10	1.226	1.228		0.002
35	11	1.226	1.226		0.000
35	12	1.226	1.228		0.002
35	13	1.226	1.226		0.000
35	14	1.226	1.226		0.000
35	15	1.227	1.226		-0.001
30	16	1.226	1.226		0.000
30	17	1.226	1.226		0.000
30	18	1.227	1.227		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.226	1.226		0.000
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.227	1.226		-0.001
55	29	1.227	1.226		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.226	1.225		-0.001
55	36	1.226	1.226		0.000
55	37	1.227	1.225		-0.002
55	38	1.227	1.226		-0.001
55	39	1.226	1.227		0.001
55	40	1.226	1.225		-0.001
55	41	1.226	1.225		-0.001
55	42	1.226	1.225		-0.001
50	43	1.226	1.225		-0.001
50	44	1.227	1.226		-0.001
50	45	1.226	1.226		0.000
50	46	1.226	1.226		0.000
50	47	1.227	1.228		0.001
Max		1.227	1.228		0.002
Average		1.226	1.226		0.000
Min		1.226	1.224		-0.002
Std Dev		0.000	0.001		0.001



5.101_V_REFCAP_1M_5V	
Test Site	
Tester	
Test Number	
Max Limit	V
Min Limit	V

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.224
Average	1.226	1.226	1.227	1.226	1.226	1.226	1.225
Max	1.226	1.228	1.227	1.227	1.228	1.228	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

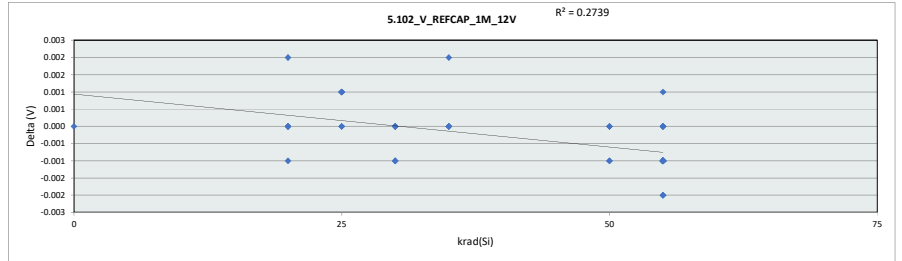


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

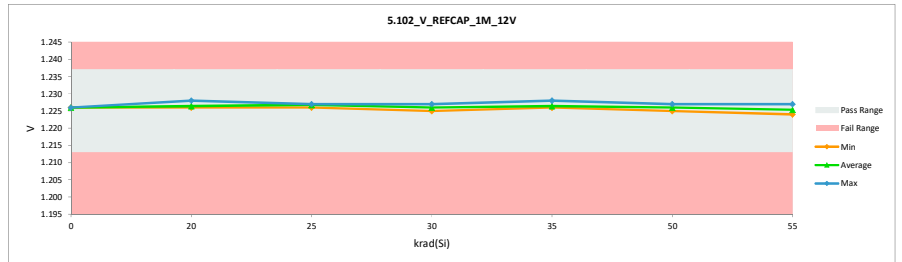
5.102_V_REFCAP_1M_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.227		0.001
25	2	1.226	1.227		0.001
25	3	1.227	1.227		0.000
25	4	1.226	1.227		0.001
25	5	1.226	1.226		0.000
20	6	1.226	1.226		0.000
20	7	1.227	1.226		-0.001
20	8	1.226	1.226		0.000
20	9	1.226	1.226		0.000
20	10	1.226	1.228		0.002
35	11	1.226	1.226		0.000
35	12	1.226	1.228		0.002
35	13	1.226	1.226		0.000
35	14	1.226	1.226		0.000
35	15	1.226	1.226		0.000
30	16	1.226	1.226		0.000
30	17	1.226	1.226		0.000
30	18	1.227	1.227		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.226	1.226		0.000
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.227	1.226		-0.001
55	29	1.227	1.226		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.226	1.225		-0.001
55	36	1.226	1.225		-0.001
55	37	1.227	1.225		-0.002
55	38	1.227	1.226		-0.001
55	39	1.226	1.227		0.001
55	40	1.226	1.225		-0.001
55	41	1.226	1.225		-0.001
55	42	1.226	1.225		-0.001
50	43	1.226	1.225		-0.001
50	44	1.227	1.226		-0.001
50	45	1.226	1.226		0.000
50	46	1.226	1.226		0.000
50	47	1.227	1.227		0.000
Max		1.227	1.228		0.002
Average		1.226	1.226		0.000
Min		1.226	1.224		-0.002
Std Dev		0.000	0.001		0.001



5.102_V_REFCAP_1M_12V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.224
Average	1.226	1.226	1.227	1.226	1.226	1.226	1.225
Max	1.226	1.228	1.227	1.227	1.228	1.227	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

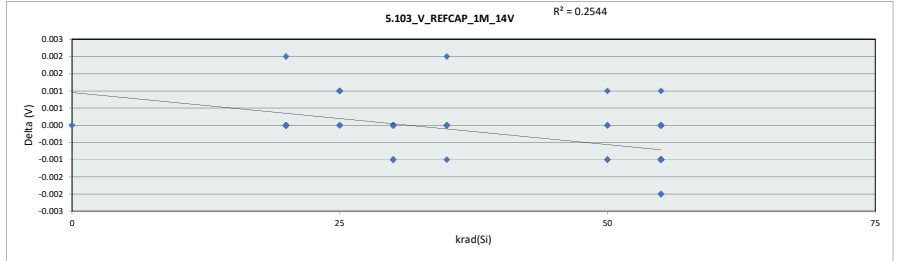


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

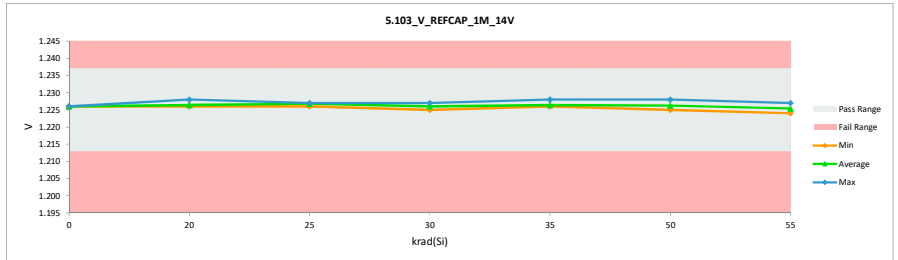
5.103_V_REFCAP_1M_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.227		0.001
25	2	1.226	1.227		0.001
25	3	1.227	1.227		0.000
25	4	1.226	1.227		0.001
25	5	1.226	1.226		0.000
20	6	1.226	1.226		0.000
20	7	1.226	1.226		0.000
20	8	1.226	1.226		0.000
20	9	1.226	1.226		0.000
20	10	1.226	1.228		0.002
35	11	1.226	1.226		0.000
35	12	1.226	1.228		0.002
35	13	1.226	1.226		0.000
35	14	1.226	1.226		0.000
35	15	1.227	1.226		-0.001
30	16	1.226	1.226		0.000
30	17	1.226	1.226		0.000
30	18	1.227	1.227		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.226	1.226		0.000
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.227	1.226		-0.001
55	29	1.227	1.226		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.226	1.225		-0.001
55	36	1.226	1.226		0.000
55	37	1.227	1.225		-0.002
55	38	1.227	1.226		-0.001
55	39	1.226	1.227		0.001
55	40	1.226	1.225		-0.001
55	41	1.226	1.225		-0.001
55	42	1.226	1.225		-0.001
50	43	1.226	1.225		-0.001
50	44	1.227	1.226		-0.001
50	45	1.226	1.226		0.000
50	46	1.226	1.226		0.000
50	47	1.227	1.228		0.001
Max		1.227	1.228		0.002
Average		1.226	1.226		0.000
Min		1.226	1.224		-0.002
Std Dev		0.000	0.001		0.001



5.103_V_REFCAP_1M_14V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.224
Average	1.226	1.226	1.227	1.226	1.226	1.226	1.225
Max	1.226	1.228	1.227	1.227	1.228	1.228	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

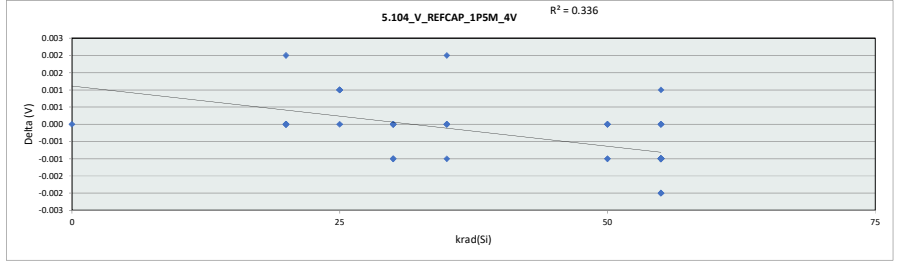


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

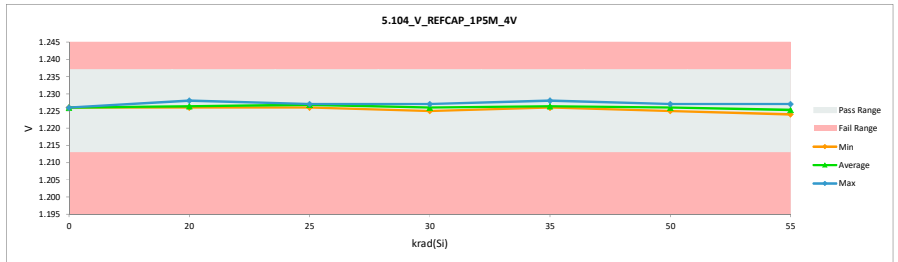
5.104_V_REFCAP_1P5M_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.227		0.001
25	2	1.226	1.227		0.001
25	3	1.226	1.227		0.001
25	4	1.226	1.227		0.001
25	5	1.226	1.226		0.000
20	6	1.226	1.226		0.000
20	7	1.226	1.226		0.000
20	8	1.226	1.226		0.000
20	9	1.226	1.226		0.000
20	10	1.226	1.228		0.002
35	11	1.226	1.226		0.000
35	12	1.226	1.228		0.002
35	13	1.226	1.226		0.000
35	14	1.226	1.226		0.000
35	15	1.227	1.226		-0.001
30	16	1.226	1.226		0.000
30	17	1.226	1.226		0.000
30	18	1.227	1.227		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.226	1.225		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.227	1.226		-0.001
55	29	1.227	1.226		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.224		-0.002
55	35	1.226	1.225		-0.001
55	36	1.226	1.225		-0.001
55	37	1.227	1.225		-0.002
55	38	1.227	1.226		-0.001
55	39	1.226	1.227		0.001
55	40	1.226	1.225		-0.001
55	41	1.226	1.225		-0.001
55	42	1.226	1.225		-0.001
50	43	1.226	1.225		-0.001
50	44	1.227	1.226		-0.001
50	45	1.226	1.226		0.000
50	46	1.226	1.226		0.000
50	47	1.227	1.227		0.000
Max		1.227	1.228		0.002
Average		1.226	1.226		0.000
Min		1.226	1.224		-0.002
Std Dev		0.000	0.001		0.001



5.104_V_REFCAP_1P5M_4V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.224
Average	1.226	1.226	1.227	1.226	1.226	1.226	1.225
Max	1.226	1.228	1.227	1.227	1.228	1.227	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

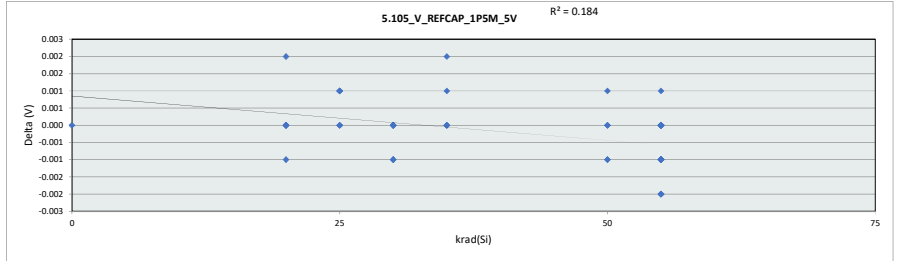


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

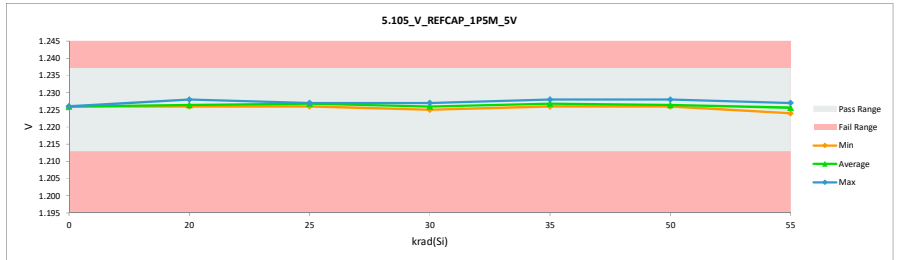
5.105_V_REFCAP_1P5M_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.227		0.001
25	2	1.226	1.227		0.001
25	3	1.227	1.227		0.000
25	4	1.226	1.227		0.001
25	5	1.226	1.226		0.000
20	6	1.226	1.226		0.000
20	7	1.227	1.226		-0.001
20	8	1.226	1.226		0.000
20	9	1.226	1.226		0.000
20	10	1.226	1.228		0.002
35	11	1.226	1.226		0.000
35	12	1.226	1.228		0.002
35	13	1.226	1.227		0.001
35	14	1.226	1.226		0.000
35	15	1.227	1.227		0.000
30	16	1.226	1.226		0.000
30	17	1.226	1.226		0.000
30	18	1.227	1.227		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.227	1.226		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.227	1.226		-0.001
55	29	1.227	1.226		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.226		0.000
55	34	1.226	1.225		-0.001
55	35	1.226	1.225		-0.001
55	36	1.226	1.226		0.000
55	37	1.227	1.225		-0.002
55	38	1.227	1.227		0.000
55	39	1.226	1.227		0.001
55	40	1.227	1.225		-0.002
55	41	1.226	1.226		0.000
55	42	1.226	1.226		0.000
50	43	1.227	1.226		-0.001
50	44	1.227	1.226		-0.001
50	45	1.226	1.226		0.000
50	46	1.226	1.226		0.000
50	47	1.227	1.228		0.001
	Max	1.227	1.228		0.002
	Average	1.226	1.226		0.000
	Min	1.226	1.224		-0.002
	Std Dev	0.000	0.001		0.001



5.105_V_REFCAP_1P5M_5V	
Test Site	
Tester	
Test Number	
Max Limit	V
Min Limit	V

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.226	1.224
Average	1.226	1.226	1.227	1.226	1.227	1.226	1.226
Max	1.226	1.228	1.227	1.227	1.228	1.228	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

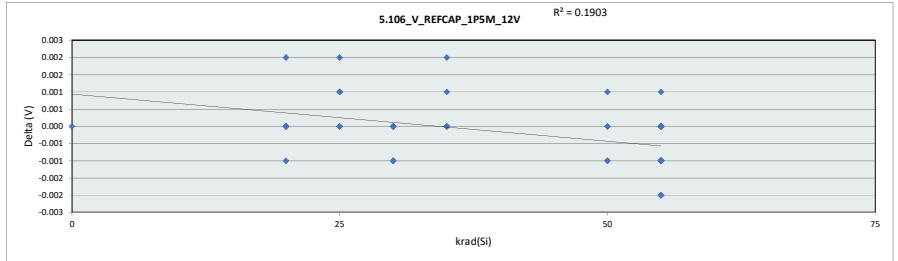


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

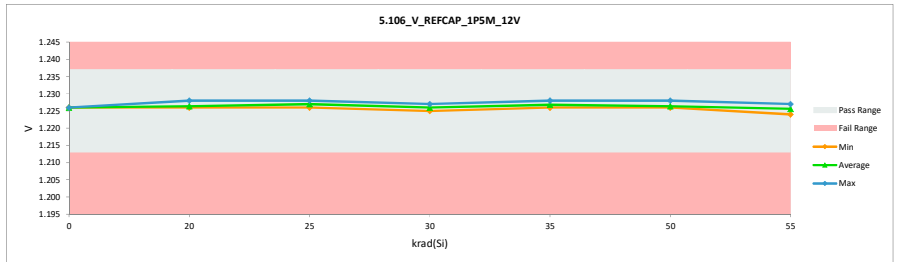
5.106_V_REFCAP_1P5M_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.227		0.001
25	2	1.226	1.228		0.002
25	3	1.227	1.227		0.000
25	4	1.226	1.227		0.001
25	5	1.226	1.226		0.000
20	6	1.226	1.226		0.000
20	7	1.227	1.226		-0.001
20	8	1.226	1.226		0.000
20	9	1.226	1.226		0.000
20	10	1.226	1.228		0.002
35	11	1.226	1.226		0.000
35	12	1.226	1.228		0.002
35	13	1.226	1.227		0.001
35	14	1.226	1.226		0.000
35	15	1.227	1.227		0.000
30	16	1.226	1.226		0.000
30	17	1.226	1.226		0.000
30	18	1.227	1.227		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.227	1.226		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.227	1.226		-0.001
55	29	1.227	1.226		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.226		0.000
55	34	1.226	1.225		-0.001
55	35	1.226	1.225		-0.001
55	36	1.226	1.226		0.000
55	37	1.227	1.225		-0.002
55	38	1.227	1.227		0.000
55	39	1.226	1.227		0.001
55	40	1.227	1.225		-0.002
55	41	1.226	1.226		0.000
55	42	1.226	1.226		0.000
50	43	1.227	1.226		-0.001
50	44	1.227	1.226		-0.001
50	45	1.226	1.226		0.000
50	46	1.226	1.226		0.000
50	47	1.227	1.228		0.001
Max		1.227	1.228		0.002
Average		1.226	1.226		0.000
Min		1.226	1.224		-0.002
Std Dev		0.000	0.001		0.001



5.106_V_REFCAP_1P5M_12V	
Test Site	
Tester	
Test Number	
Max Limit	V
Min Limit	V

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.226	1.224
Average	1.226	1.226	1.227	1.226	1.227	1.226	1.226
Max	1.226	1.228	1.228	1.227	1.228	1.228	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

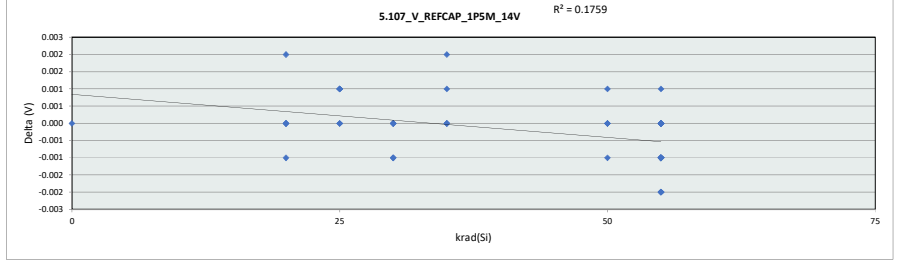


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

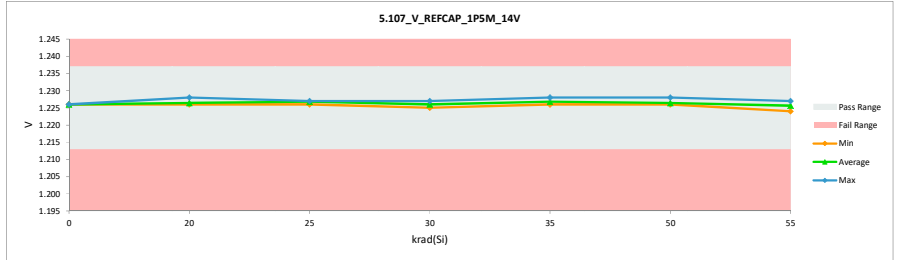
5.107_V_REFCAP_1P5M_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.227		0.001
25	2	1.226	1.227		0.001
25	3	1.227	1.227		0.000
25	4	1.226	1.227		0.001
25	5	1.226	1.226		0.000
20	6	1.226	1.226		0.000
20	7	1.227	1.226		-0.001
20	8	1.226	1.226		0.000
20	9	1.226	1.226		0.000
20	10	1.226	1.228		0.002
35	11	1.226	1.226		0.000
35	12	1.226	1.228		0.002
35	13	1.226	1.227		0.001
35	14	1.226	1.226		0.000
35	15	1.227	1.227		0.000
30	16	1.226	1.226		0.000
30	17	1.226	1.226		0.000
30	18	1.227	1.227		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.227	1.226		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.227	1.226		-0.001
55	29	1.227	1.226		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.226		0.000
55	34	1.226	1.225		-0.001
55	35	1.226	1.225		-0.001
55	36	1.226	1.226		0.000
55	37	1.227	1.225		-0.002
55	38	1.227	1.227		0.000
55	39	1.226	1.227		0.001
55	40	1.227	1.225		-0.002
55	41	1.226	1.226		0.000
55	42	1.226	1.226		0.000
50	43	1.226	1.226		0.000
50	44	1.227	1.226		-0.001
50	45	1.226	1.226		0.000
50	46	1.226	1.226		0.000
50	47	1.227	1.228		0.001
Max		1.227	1.228		0.002
Average		1.226	1.226		0.000
Min		1.226	1.224		-0.002
Std Dev		0.000	0.001		0.001



5.107_V_REFCAP_1P5M_14V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.226	1.224
Average	1.226	1.226	1.227	1.226	1.227	1.226	1.226
Max	1.226	1.228	1.227	1.227	1.228	1.228	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

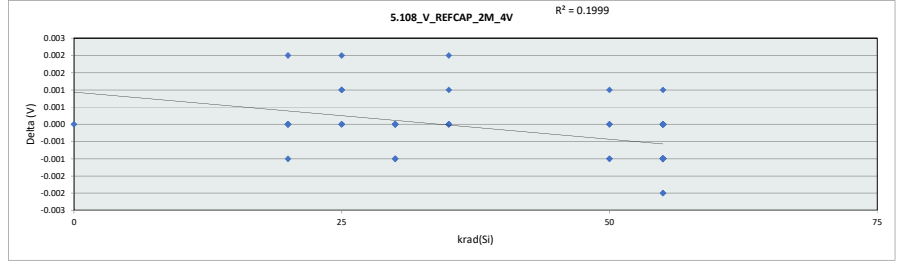


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

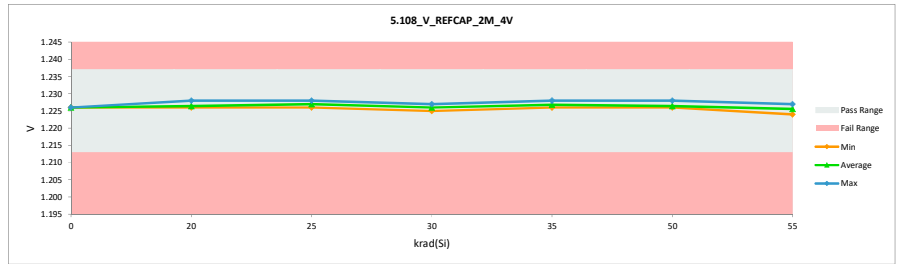
5.108_V_REFCAP_2M_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.226	1.226		0.000
25	1	1.226	1.227		0.001
25	2	1.226	1.228		0.002
25	3	1.227	1.227		0.000
25	4	1.226	1.227		0.001
25	5	1.226	1.226		0.000
20	6	1.226	1.226		0.000
20	7	1.227	1.226		-0.001
20	8	1.226	1.226		0.000
20	9	1.226	1.226		0.000
20	10	1.226	1.228		0.002
35	11	1.226	1.226		0.000
35	12	1.226	1.228		0.002
35	13	1.226	1.227		0.001
35	14	1.226	1.226		0.000
35	15	1.227	1.227		0.000
30	16	1.226	1.226		0.000
30	17	1.226	1.226		0.000
30	18	1.227	1.227		0.000
30	19	1.227	1.226		-0.001
30	20	1.226	1.225		-0.001
55	21	1.227	1.226		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.224		-0.002
55	24	1.226	1.226		0.000
55	25	1.227	1.226		-0.001
55	26	1.226	1.225		-0.001
55	27	1.226	1.225		-0.001
55	28	1.227	1.226		-0.001
55	29	1.227	1.226		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.225		-0.001
55	32	1.226	1.225		-0.001
55	33	1.226	1.225		-0.001
55	34	1.226	1.225		-0.001
55	35	1.226	1.225		-0.001
55	36	1.226	1.226		0.000
55	37	1.227	1.225		-0.002
55	38	1.227	1.227		0.000
55	39	1.226	1.227		0.001
55	40	1.226	1.225		-0.001
55	41	1.226	1.226		0.000
55	42	1.226	1.226		0.000
50	43	1.227	1.226		-0.001
50	44	1.227	1.226		-0.001
50	45	1.226	1.226		0.000
50	46	1.226	1.226		0.000
50	47	1.227	1.228		0.001
Max		1.227	1.228		0.002
Average		1.226	1.226		0.000
Min		1.226	1.224		-0.002
Std Dev		0.000	0.001		0.001



5.108_V_REFCAP_2M_4V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.226	1.224
Average	1.226	1.226	1.227	1.226	1.227	1.226	1.226
Max	1.226	1.228	1.228	1.227	1.228	1.228	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

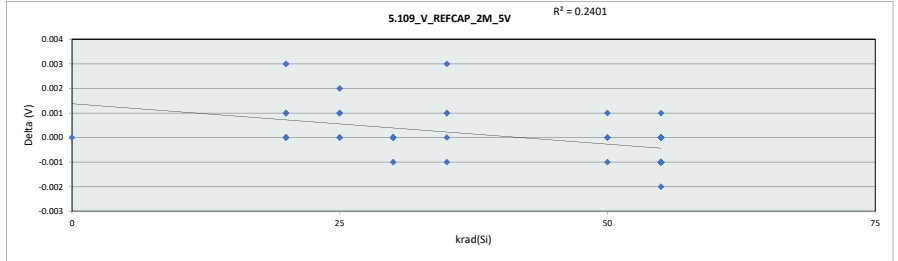


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

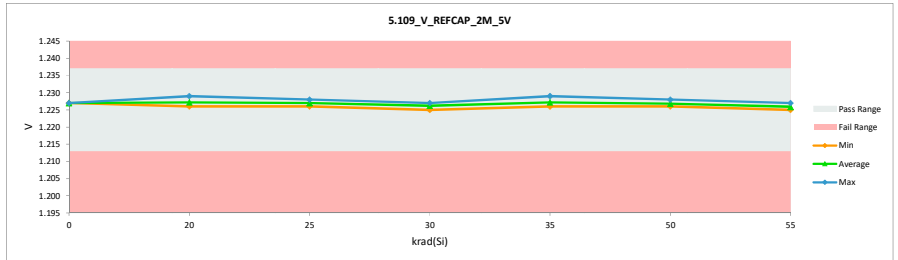
5.109_V_REFCAP_2M_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	1.227	1.227	0.000
25	1	1.226	1.227	0.001
25	2	1.226	1.228	0.002
25	3	1.227	1.227	0.000
25	4	1.226	1.227	0.001
25	5	1.226	1.226	0.000
20	6	1.226	1.226	0.000
20	7	1.227	1.227	0.000
20	8	1.226	1.227	0.001
20	9	1.226	1.227	0.001
20	10	1.226	1.229	0.003
35	11	1.226	1.227	0.001
35	12	1.226	1.229	0.003
35	13	1.226	1.227	0.001
35	14	1.227	1.226	-0.001
35	15	1.227	1.227	0.000
30	16	1.226	1.226	0.000
30	17	1.226	1.226	0.000
30	18	1.227	1.227	0.000
30	19	1.227	1.227	0.000
30	20	1.226	1.225	-0.001
55	21	1.227	1.226	-0.001
55	22	1.226	1.226	0.000
55	23	1.226	1.225	-0.001
55	24	1.227	1.227	0.000
55	25	1.227	1.226	-0.001
55	26	1.226	1.226	0.000
55	27	1.226	1.225	-0.001
55	28	1.227	1.227	0.000
55	29	1.227	1.226	-0.001
55	30	1.227	1.226	-0.001
55	31	1.226	1.225	-0.001
55	32	1.227	1.226	-0.001
55	33	1.226	1.226	0.000
55	34	1.226	1.225	-0.001
55	35	1.226	1.225	-0.001
55	36	1.226	1.226	0.000
55	37	1.227	1.226	-0.001
55	38	1.227	1.227	0.000
55	39	1.226	1.227	0.001
55	40	1.227	1.225	-0.002
55	41	1.226	1.226	0.000
55	42	1.226	1.226	0.000
50	43	1.227	1.226	-0.001
50	44	1.227	1.227	0.000
50	45	1.226	1.226	0.000
50	46	1.227	1.227	0.000
50	47	1.227	1.228	0.001
Max		1.227	1.229	0.003
Average		1.226	1.226	0.000
Min		1.226	1.225	-0.002
Std Dev		0.001	0.001	0.001



5.109_V_REFCAP_2M_5V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.227	1.226	1.226	1.225	1.226	1.226	1.225
Average	1.227	1.227	1.227	1.226	1.227	1.227	1.226
Max	1.227	1.229	1.228	1.227	1.229	1.228	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

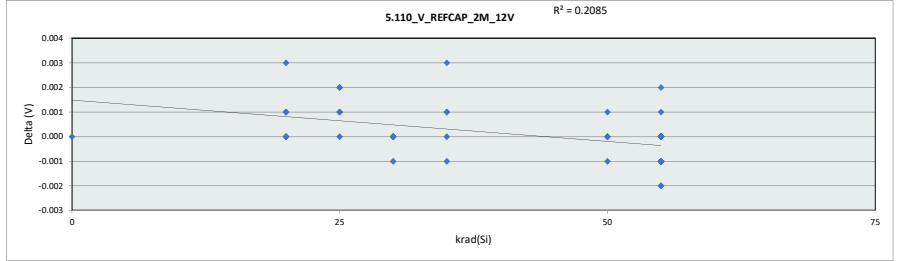


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

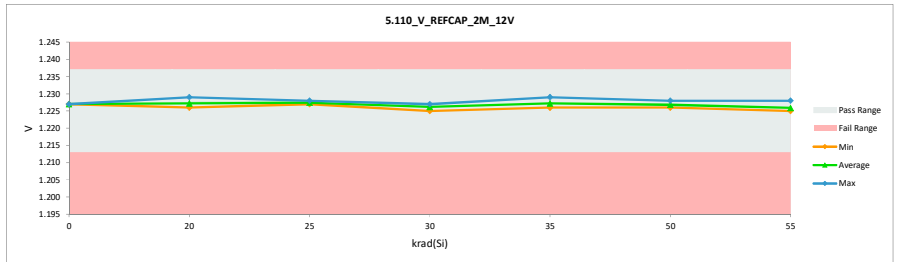
5.110_V_REFCAP_2M_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.227	1.227		0.000
25	1	1.226	1.228		0.002
25	2	1.226	1.228		0.002
25	3	1.227	1.227		0.000
25	4	1.226	1.227		0.001
25	5	1.226	1.227		0.001
20	6	1.226	1.226		0.000
20	7	1.227	1.227		0.000
20	8	1.226	1.227		0.001
20	9	1.226	1.227		0.001
20	10	1.226	1.229		0.003
35	11	1.226	1.227		0.001
35	12	1.226	1.229		0.003
35	13	1.226	1.227		0.001
35	14	1.227	1.226		-0.001
35	15	1.227	1.227		0.000
30	16	1.226	1.226		0.000
30	17	1.226	1.226		0.000
30	18	1.227	1.227		0.000
30	19	1.227	1.227		0.000
30	20	1.226	1.225		-0.001
55	21	1.227	1.226		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.225		-0.001
55	24	1.226	1.227		0.001
55	25	1.227	1.226		-0.001
55	26	1.226	1.226		0.000
55	27	1.226	1.225		-0.001
55	28	1.227	1.227		0.000
55	29	1.227	1.226		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.225		-0.001
55	32	1.227	1.226		-0.001
55	33	1.226	1.226		0.000
55	34	1.226	1.225		-0.001
55	35	1.226	1.225		-0.001
55	36	1.226	1.226		0.000
55	37	1.227	1.225		-0.002
55	38	1.227	1.227		0.000
55	39	1.226	1.228		0.002
55	40	1.227	1.225		-0.002
55	41	1.226	1.226		0.000
55	42	1.226	1.226		0.000
50	43	1.227	1.226		-0.001
50	44	1.227	1.227		0.000
50	45	1.226	1.226		0.000
50	46	1.227	1.227		0.000
50	47	1.227	1.228		0.001
Max		1.227	1.229		0.003
Average		1.226	1.226		0.000
Min		1.226	1.225		-0.002
Std Dev		0.000	0.001		0.001



5.110_V_REFCAP_2M_12V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.227	1.226	1.227	1.225	1.226	1.226	1.225
Average	1.227	1.227	1.227	1.226	1.227	1.227	1.226
Max	1.227	1.229	1.228	1.227	1.229	1.228	1.228
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

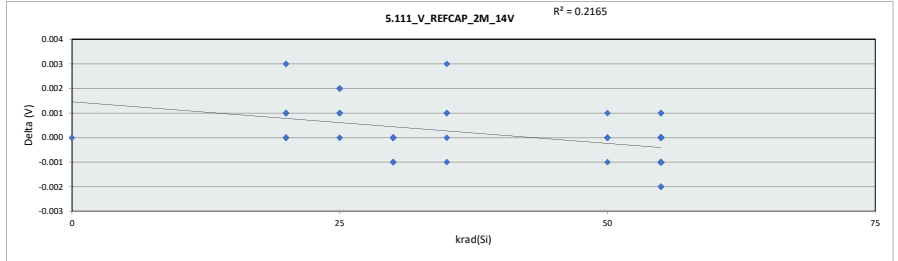


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

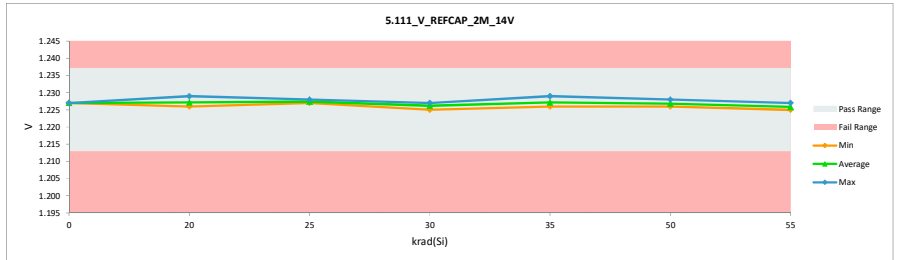
5.111_V_REFCAP_2M_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.227	1.227		0.000
25	1	1.226	1.228		0.002
25	2	1.226	1.228		0.002
25	3	1.227	1.227		0.000
25	4	1.226	1.227		0.001
25	5	1.226	1.227		0.001
20	6	1.226	1.226		0.000
20	7	1.227	1.227		0.000
20	8	1.226	1.227		0.001
20	9	1.226	1.227		0.001
20	10	1.226	1.229		0.003
35	11	1.226	1.227		0.001
35	12	1.226	1.229		0.003
35	13	1.226	1.227		0.001
35	14	1.227	1.226		-0.001
35	15	1.227	1.227		0.000
30	16	1.227	1.226		-0.001
30	17	1.226	1.226		0.000
30	18	1.227	1.227		0.000
30	19	1.227	1.227		0.000
30	20	1.226	1.225		-0.001
55	21	1.227	1.226		-0.001
55	22	1.226	1.226		0.000
55	23	1.226	1.225		-0.001
55	24	1.226	1.227		0.001
55	25	1.227	1.226		-0.001
55	26	1.226	1.226		0.000
55	27	1.226	1.225		-0.001
55	28	1.227	1.227		0.000
55	29	1.227	1.226		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.225		-0.001
55	32	1.227	1.226		-0.001
55	33	1.226	1.226		0.000
55	34	1.226	1.225		-0.001
55	35	1.226	1.225		-0.001
55	36	1.226	1.226		0.000
55	37	1.227	1.225		-0.002
55	38	1.227	1.227		0.000
55	39	1.226	1.227		0.001
55	40	1.227	1.225		-0.002
55	41	1.226	1.226		0.000
55	42	1.226	1.226		0.000
50	43	1.227	1.226		-0.001
50	44	1.227	1.227		0.000
50	45	1.226	1.226		0.000
50	46	1.227	1.227		0.000
50	47	1.227	1.228		0.001
	Max	1.227	1.229		0.003
	Average	1.226	1.226		0.000
	Min	1.226	1.225		-0.002
	Std Dev	0.000	0.001		0.001



5.111_V_REFCAP_2M_14V	
Test Site	
Tester	
Test Number	
Max Limit	V
Min Limit	V

krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.227	1.226	1.227	1.225	1.226	1.226	1.225
Average	1.227	1.227	1.227	1.226	1.227	1.227	1.226
Max	1.227	1.229	1.228	1.227	1.229	1.228	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

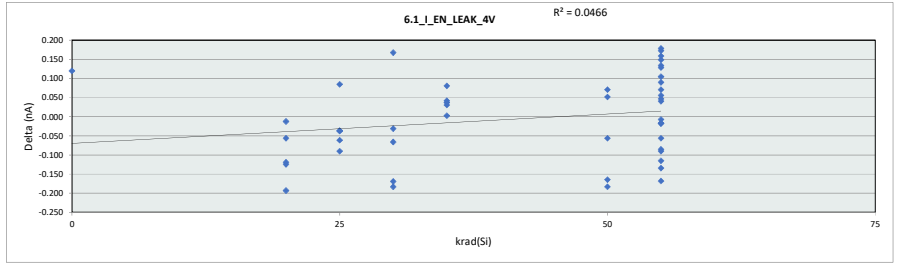


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

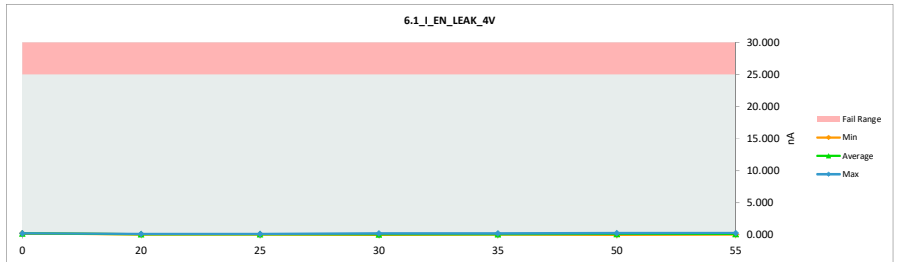
6.1_I_EN_LEAK_4V	
Test Site	
Tester	
Test Number	
Unit	nA nA
Max Limit	25 25
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.102	0.222		0.120
25	1	0.054	0.139		0.085
25	2	0.102	0.066		-0.036
25	3	0.112	0.051		-0.061
25	4	0.161	0.124		-0.037
25	5	0.190	0.100		-0.090
20	6	0.073	0.061		-0.012
20	7	0.288	0.095		-0.193
20	8	0.180	0.061		-0.119
20	9	0.258	0.134		-0.124
20	10	0.171	0.115		-0.056
35	11	0.102	0.144		0.042
35	12	0.044	0.081		0.037
35	13	0.015	0.046		0.031
35	14	0.024	0.027		0.003
35	15	0.122	0.203		0.081
30	16	0.112	0.081		-0.031
30	17	0.044	0.212		0.168
30	18	0.200	0.017		-0.183
30	19	0.132	0.066		-0.066
30	20	0.171	0.002		-0.169
55	21	0.054	0.037		-0.017
55	22	0.132	0.115		-0.017
55	23	0.024	0.183		0.159
55	24	0.044	0.085		0.041
55	25	0.190	0.183		-0.007
55	26	0.024	0.173		0.149
55	27	0.083	0.212		0.129
55	28	0.171	0.056		-0.115
55	29	0.054	0.037		-0.017
55	30	0.024	0.095		0.071
55	31	0.219	0.051		-0.168
55	32	0.141	0.051		-0.090
55	33	0.005	0.110		0.105
55	34	0.249	0.115		-0.134
55	35	0.093	0.037		-0.056
55	36	0.054	0.110		0.056
55	37	0.102	0.281		0.179
55	38	0.180	0.227		0.047
55	39	0.005	0.178		0.173
55	40	0.015	0.149		0.134
55	41	0.122	0.212		0.090
55	42	0.112	0.027		-0.085
50	43	0.171	0.007		-0.164
50	44	0.190	0.242		0.052
50	45	0.044	0.115		0.071
50	46	0.151	0.095		-0.056
50	47	0.307	0.124		-0.183
Max		0.307	0.281		0.179
Average		0.117	0.112		-0.005
Min		0.005	0.002		-0.193
Std Dev		0.077	0.069		0.107



6.1_I_EN_LEAK_4V	
Test Site	
Tester	
Test Number	
Max Limit	25 nA
Min Limit	

krad(Si)	0	20	25	30	35	50	55
LL							
Min	0.222	0.061	0.051	0.002	0.027	0.007	0.027
Average	0.222	0.093	0.096	0.076	0.100	0.117	0.124
Max	0.222	0.134	0.139	0.212	0.203	0.242	0.281
UL	25.000	25.000	25.000	25.000	25.000	25.000	25.000

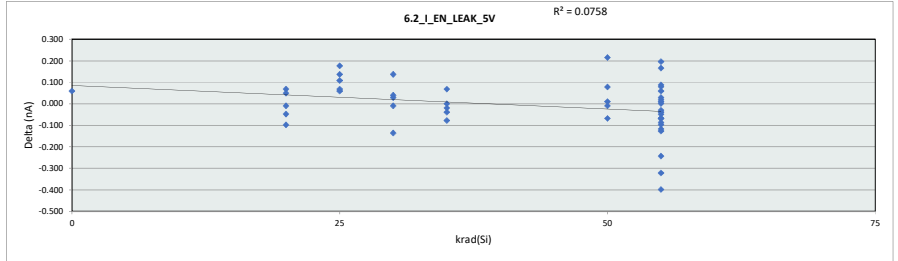


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

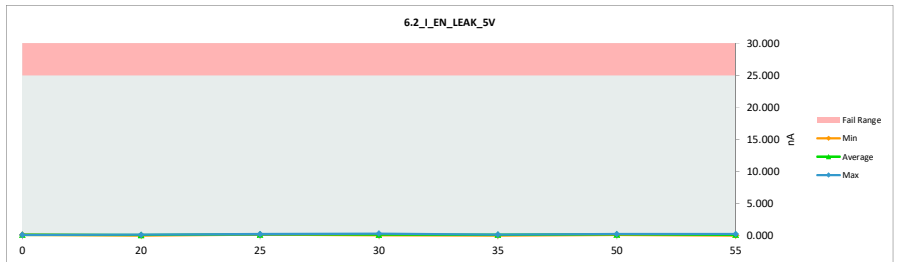
6.2_I_EN_LEAK_5V	
Test Site	
Tester	
Test Number	
Unit	nA nA
Max Limit	25 25
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.034	0.093		0.059
25	1	0.034	0.210		0.176
25	2	0.073	0.210		0.137
25	3	0.102	0.161		0.059
25	4	0.024	0.132		0.108
25	5	0.054	0.122		0.068
20	6	0.044	0.112		0.068
20	7	0.063	0.015		-0.048
20	8	0.073	0.063		-0.010
20	9	0.200	0.102		-0.098
20	10	0.044	0.093		0.049
35	11	0.015	0.083		0.068
35	12	0.054	0.015		-0.039
35	13	0.171	0.151		-0.020
35	14	0.161	0.083		-0.078
35	15	0.132	0.132		0.000
30	16	0.151	0.288		0.137
30	17	0.180	0.044		-0.136
30	18	0.044	0.073		0.029
30	19	0.112	0.151		0.039
30	20	0.054	0.044		-0.010
55	21	0.073	0.083		0.010
55	22	0.054	0.024		-0.030
55	23	0.356	0.034		-0.322
55	24	0.141	0.024		-0.117
55	25	0.112	0.171		0.059
55	26	0.024	0.220		0.196
55	27	0.024	0.190		0.166
55	28	0.229	0.190		-0.039
55	29	0.141	0.054		-0.087
55	30	0.229	0.161		-0.068
55	31	0.132	0.005		-0.127
55	32	0.112	0.044		-0.068
55	33	0.141	0.220		0.079
55	34	0.268	0.024		-0.244
55	35	0.132	0.161		0.029
55	36	0.073	0.005		-0.068
55	37	0.180	0.181		0.001
55	38	0.414	0.015		-0.399
55	39	0.083	0.034		-0.049
55	40	0.034	0.122		0.088
55	41	0.190	0.093		-0.097
55	42	0.054	0.073		0.019
50	43	0.083	0.093		0.010
50	44	0.171	0.161		-0.010
50	45	0.073	0.151		0.078
50	46	0.229	0.161		-0.068
50	47	0.005	0.220		0.215
	Max	0.414	0.288		0.215
	Average	0.116	0.110		-0.006
	Min	0.005	0.005		-0.399
	Std Dev	0.087	0.071		0.120



6.2_I_EN_LEAK_5V	
Test Site	
Tester	
Test Number	
Max Limit	25 nA
Min Limit	nA

krad(Si)	0	20	25	30	35	50	55
LL							
Min	0.093	0.015	0.122	0.044	0.015	0.093	0.005
Average	0.093	0.077	0.167	0.120	0.093	0.157	0.097
Max	0.093	0.112	0.210	0.288	0.151	0.220	0.220
UL	25.000	25.000	25.000	25.000	25.000	25.000	25.000

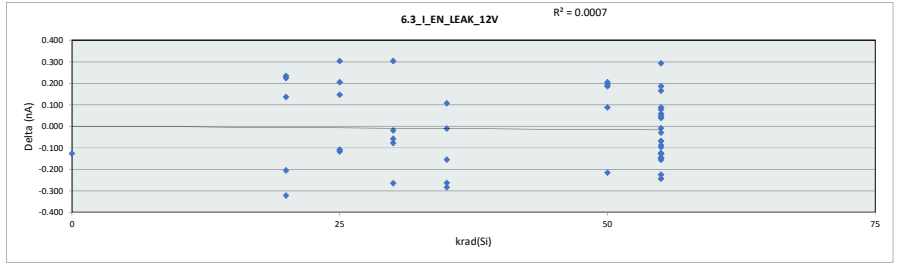


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

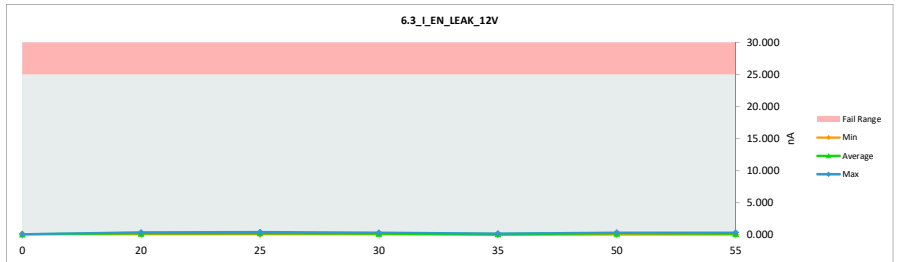
6.3_I_EN_LEAK_12V	
Test Site	
Tester	
Test Number	
Unit	nA nA
Max Limit	25 25
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.200	0.073		-0.127
25	1	0.210	0.102		-0.108
25	2	0.268	0.415		0.147
25	3	0.034	0.337		0.303
25	4	0.073	0.278		0.205
25	5	0.278	0.161		-0.117
20	6	0.083	0.307		0.224
20	7	0.395	0.190		-0.205
20	8	0.132	0.366		0.234
20	9	0.015	0.151		0.136
20	10	0.405	0.083		-0.322
35	11	0.405	0.142		-0.263
35	12	0.015	0.005		-0.010
35	13	0.297	0.142		-0.155
35	14	0.083	0.190		0.107
35	15	0.356	0.073		-0.283
30	16	0.141	0.083		-0.058
30	17	0.366	0.102		-0.264
30	18	0.024	0.327		0.303
30	19	0.229	0.210		-0.019
30	20	0.346	0.268		-0.078
55	21	0.239	0.083		-0.156
55	22	0.190	0.122		-0.068
55	23	0.239	0.151		-0.088
55	24	0.093	0.024		-0.069
55	25	0.356	0.347		-0.009
55	26	0.024	0.317		0.293
55	27	0.229	0.288		0.059
55	28	0.229	0.317		0.088
55	29	0.102	0.288		0.186
55	30	0.288	0.044		-0.244
55	31	0.073	0.112		0.039
55	32	0.278	0.132		-0.146
55	33	0.210	0.063		-0.147
55	34	0.200	0.073		-0.127
55	35	0.122	0.200		0.078
55	36	0.258	0.034		-0.224
55	37	0.122	0.288		0.166
55	38	0.210	0.083		-0.127
55	39	0.200	0.249		0.049
55	40	0.278	0.181		-0.097
55	41	0.317	0.288		-0.029
55	42	0.346	0.220		-0.126
50	43	0.151	0.337		0.186
50	44	0.278	0.063		-0.215
50	45	0.024	0.229		0.205
50	46	0.083	0.278		0.195
50	47	0.122	0.210		0.088
Max		0.405	0.415		0.303
Average		0.200	0.188		-0.012
Min		0.015	0.005		-0.322
Std Dev		0.115	0.108		0.173



6.3_I_EN_LEAK_12V	
Test Site	
Tester	
Test Number	
Max Limit	25 nA
Min Limit	nA

krad(Si)	0	20	25	30	35	50	55
LL							
Min	0.073	0.083	0.102	0.083	0.005	0.063	0.024
Average	0.073	0.219	0.259	0.198	0.110	0.223	0.177
Max	0.073	0.366	0.415	0.327	0.190	0.337	0.347
UL	25.000	25.000	25.000	25.000	25.000	25.000	25.000

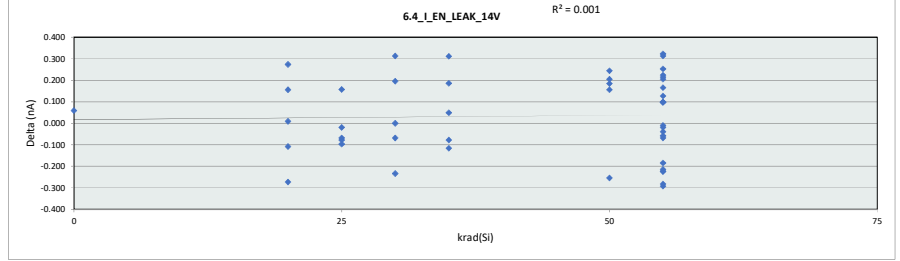


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

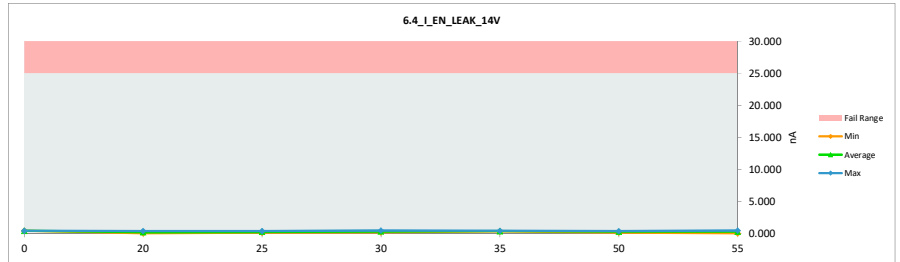
6.4_I_EN_LEAK_14V	
Test Site	
Tester	
Test Number	
Unit	nA nA
Max Limit	25 25
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.356	0.415		0.059
25	1	0.434	0.366		-0.068
25	2	0.258	0.161		-0.097
25	3	0.268	0.249		-0.019
25	4	0.190	0.347		0.157
25	5	0.239	0.161		-0.078
20	6	0.093	0.102		0.009
20	7	0.405	0.132		-0.273
20	8	0.132	0.024		-0.108
20	9	0.239	0.395		0.156
20	10	0.112	0.386		0.274
35	11	0.492	0.376		-0.116
35	12	0.093	0.405		0.312
35	13	0.346	0.395		0.049
35	14	0.151	0.337		0.186
35	15	0.405	0.327		-0.078
30	16	0.141	0.454		0.313
30	17	0.307	0.239		-0.068
30	18	0.268	0.464		0.196
30	19	0.171	0.171		0.000
30	20	0.444	0.210		-0.234
55	21	0.375	0.093		-0.282
55	22	0.239	0.015		-0.224
55	23	0.161	0.288		0.127
55	24	0.317	0.298		-0.019
55	25	0.093	0.317		0.224
55	26	0.444	0.220		-0.224
55	27	0.015	0.268		0.253
55	28	0.434	0.366		-0.068
55	29	0.366	0.464		0.098
55	30	0.327	0.425		0.098
55	31	0.278	0.063		-0.215
55	32	0.102	0.200		0.098
55	33	0.473	0.288		-0.185
55	34	0.239	0.454		0.215
55	35	0.190	0.356		0.166
55	36	0.385	0.327		-0.058
55	37	0.317	0.278		-0.039
55	38	0.034	0.024		-0.010
55	39	0.112	0.425		0.313
55	40	0.093	0.298		0.205
55	41	0.366	0.073		-0.293
55	42	0.141	0.464		0.323
50	43	0.405	0.151		-0.254
50	44	0.073	0.317		0.244
50	45	0.161	0.366		0.205
50	46	0.161	0.317		0.156
50	47	0.093	0.278		0.185
	Max	0.492	0.464		0.323
	Average	0.249	0.282		0.034
	Min	0.015	0.015		-0.293
	Std Dev	0.133	0.129		0.184



6.4_I_EN_LEAK_14V	
Test Site	
Tester	
Test Number	
Max Limit	25 nA
Min Limit	

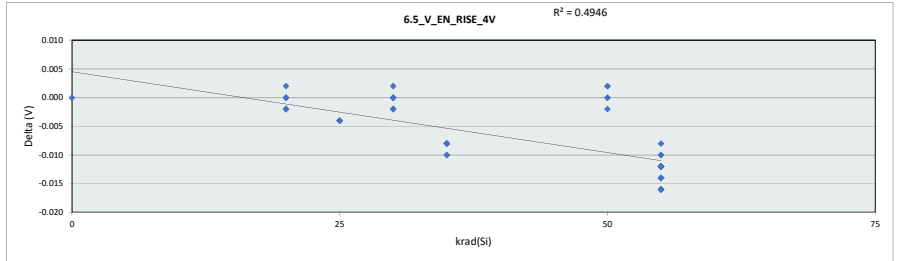
krad(Si)	0	20	25	30	35	50	55
LL							
Min	0.415	0.024	0.161	0.171	0.327	0.151	0.015
Average	0.415	0.208	0.257	0.308	0.368	0.286	0.273
Max	0.415	0.395	0.366	0.464	0.405	0.366	0.464
UL	25.000	25.000	25.000	25.000	25.000	25.000	25.000



HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

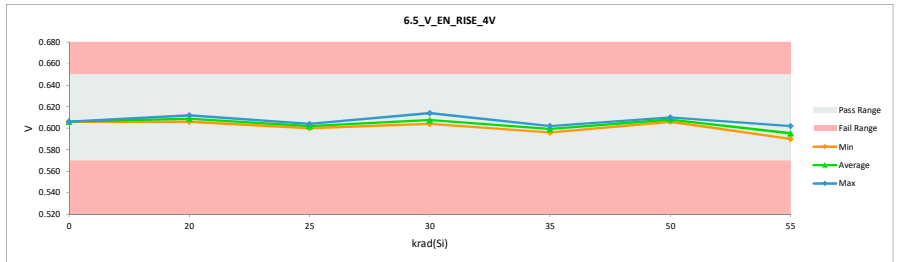
6.5_V_EN_RISE_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.65
Min Limit	0.57



krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.606	0.606	0.000
25	1	0.606	0.602	-0.004
25	2	0.606	0.602	-0.004
25	3	0.606	0.602	-0.004
25	4	0.604	0.600	-0.004
25	5	0.608	0.604	-0.004
20	6	0.612	0.612	0.000
20	7	0.608	0.606	-0.002
20	8	0.608	0.606	-0.002
20	9	0.612	0.612	0.000
20	10	0.606	0.608	0.002
35	11	0.608	0.598	-0.010
35	12	0.604	0.596	-0.008
35	13	0.606	0.598	-0.008
35	14	0.610	0.602	-0.008
35	15	0.612	0.602	-0.010
30	16	0.606	0.604	-0.002
30	17	0.608	0.606	-0.002
30	18	0.614	0.614	0.000
30	19	0.606	0.606	0.000
30	20	0.606	0.608	0.002
55	21	0.606	0.590	-0.016
55	22	0.610	0.594	-0.016
55	23	0.606	0.594	-0.012
55	24	0.606	0.596	-0.010
55	25	0.612	0.602	-0.010
55	26	0.606	0.592	-0.014
55	27	0.610	0.598	-0.012
55	28	0.612	0.600	-0.012
55	29	0.606	0.594	-0.012
55	30	0.608	0.596	-0.012
55	31	0.608	0.596	-0.012
55	32	0.608	0.594	-0.014
55	33	0.608	0.594	-0.014
55	34	0.606	0.590	-0.016
55	35	0.608	0.594	-0.014
55	36	0.610	0.596	-0.014
55	37	0.608	0.596	-0.012
55	38	0.608	0.596	-0.012
55	39	0.610	0.594	-0.016
55	40	0.610	0.596	-0.014
55	41	0.606	0.598	-0.008
55	42	0.608	0.596	-0.012
50	43	0.608	0.610	0.002
50	44	0.606	0.606	0.000
50	45	0.610	0.610	0.000
50	46	0.608	0.606	-0.002
50	47	0.606	0.608	0.002
Max		0.614	0.614	0.002
Average		0.608	0.601	-0.007
Min		0.604	0.590	-0.016
Std Dev		0.002	0.006	0.006

6.5_V_EN_RISE_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.65
Min Limit	0.57

krad(Si)	0	20	25	30	35	50	55
LL	0.570	0.570	0.570	0.570	0.570	0.570	0.570
Min	0.606	0.606	0.600	0.604	0.596	0.606	0.590
Average	0.606	0.609	0.602	0.608	0.599	0.608	0.595
Max	0.606	0.612	0.604	0.614	0.602	0.610	0.602
UL	0.650	0.650	0.650	0.650	0.650	0.650	0.650

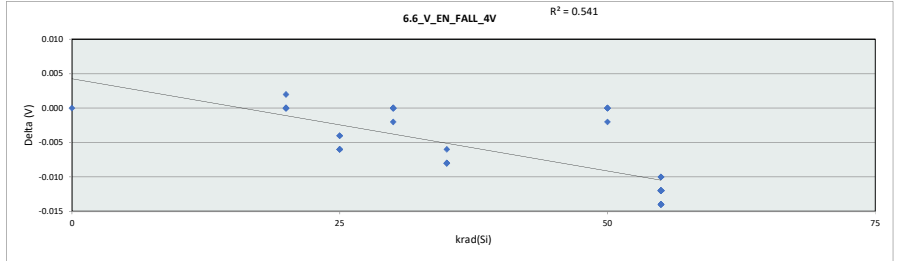


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

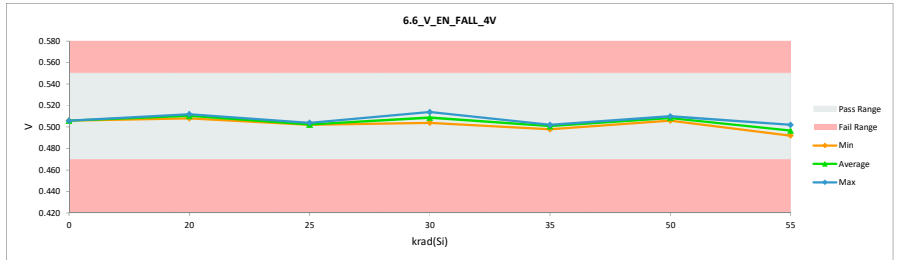
6.6_V_EN_FALL_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.55
Min Limit	0.47

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.506	0.506	0.000
25	1	0.508	0.502	-0.006
25	2	0.508	0.502	-0.006
25	3	0.508	0.502	-0.006
25	4	0.506	0.502	-0.004
25	5	0.508	0.504	-0.004
20	6	0.512	0.512	0.000
20	7	0.510	0.510	0.000
20	8	0.508	0.508	0.000
20	9	0.512	0.512	0.000
20	10	0.508	0.510	0.002
35	11	0.510	0.502	-0.008
35	12	0.506	0.500	-0.006
35	13	0.506	0.498	-0.008
35	14	0.510	0.502	-0.008
35	15	0.510	0.502	-0.008
30	16	0.506	0.504	-0.002
30	17	0.508	0.508	0.000
30	18	0.514	0.514	0.000
30	19	0.508	0.508	0.000
30	20	0.510	0.510	0.000
55	21	0.506	0.492	-0.014
55	22	0.508	0.496	-0.012
55	23	0.506	0.496	-0.010
55	24	0.508	0.496	-0.012
55	25	0.514	0.502	-0.012
55	26	0.506	0.494	-0.012
55	27	0.510	0.498	-0.012
55	28	0.512	0.500	-0.012
55	29	0.510	0.496	-0.014
55	30	0.508	0.496	-0.012
55	31	0.510	0.498	-0.012
55	32	0.508	0.496	-0.012
55	33	0.510	0.498	-0.012
55	34	0.506	0.492	-0.014
55	35	0.510	0.496	-0.014
55	36	0.510	0.498	-0.012
55	37	0.510	0.496	-0.014
55	38	0.508	0.498	-0.010
55	39	0.510	0.498	-0.012
55	40	0.510	0.498	-0.012
55	41	0.508	0.498	-0.010
55	42	0.508	0.496	-0.012
50	43	0.510	0.510	0.000
50	44	0.506	0.506	0.000
50	45	0.510	0.510	0.000
50	46	0.508	0.508	0.000
50	47	0.510	0.508	-0.002
Max		0.514	0.514	0.002
Average		0.509	0.502	-0.007
Min		0.506	0.492	-0.014
Std Dev		0.002	0.006	0.005



6.6_V_EN_FALL_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.55
Min Limit	0.47

krad(Si)	0	20	25	30	35	50	55
LL	0.470	0.470	0.470	0.470	0.470	0.470	0.470
Min	0.506	0.508	0.502	0.504	0.498	0.506	0.492
Average	0.506	0.510	0.502	0.509	0.501	0.508	0.497
Max	0.506	0.512	0.504	0.514	0.502	0.510	0.502
UL	0.550	0.550	0.550	0.550	0.550	0.550	0.550

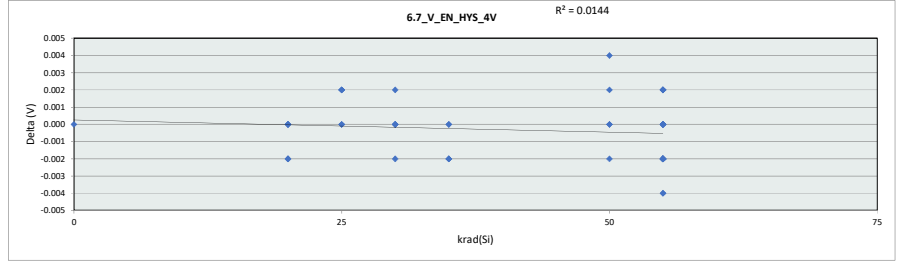


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

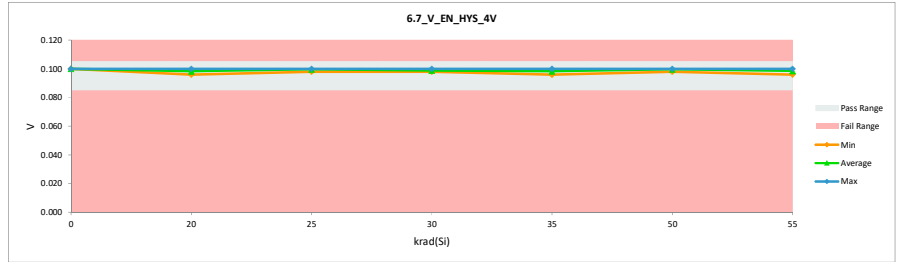
6.7_V_EN_HYS_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.105
Min Limit	0.085

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.100	0.100	0.100	0.000
25	1	0.098	0.100	0.100	0.002
25	2	0.098	0.100	0.100	0.002
25	3	0.098	0.100	0.100	0.002
25	4	0.098	0.098	0.100	0.000
25	5	0.100	0.100	0.100	0.000
20	6	0.100	0.100	0.100	0.000
20	7	0.098	0.096	0.096	-0.002
20	8	0.100	0.098	0.098	-0.002
20	9	0.100	0.100	0.100	0.000
20	10	0.098	0.098	0.100	0.000
35	11	0.098	0.096	0.096	-0.002
35	12	0.098	0.096	0.096	-0.002
35	13	0.100	0.100	0.100	0.000
35	14	0.100	0.100	0.100	0.000
35	15	0.102	0.100	0.100	-0.002
30	16	0.100	0.100	0.100	0.000
30	17	0.100	0.098	0.098	-0.002
30	18	0.100	0.100	0.100	0.000
30	19	0.098	0.098	0.100	0.000
30	20	0.096	0.098	0.098	0.002
55	21	0.100	0.098	0.098	-0.002
55	22	0.102	0.098	0.098	-0.004
55	23	0.100	0.098	0.098	-0.002
55	24	0.098	0.100	0.100	0.002
55	25	0.098	0.100	0.100	0.002
55	26	0.100	0.098	0.098	-0.002
55	27	0.100	0.100	0.100	0.000
55	28	0.100	0.100	0.100	0.000
55	29	0.096	0.098	0.098	0.002
55	30	0.100	0.100	0.100	0.000
55	31	0.098	0.098	0.098	0.000
55	32	0.100	0.098	0.098	-0.002
55	33	0.098	0.096	0.096	-0.002
55	34	0.100	0.098	0.098	-0.002
55	35	0.098	0.098	0.098	0.000
55	36	0.100	0.098	0.098	-0.002
55	37	0.098	0.100	0.100	0.002
55	38	0.100	0.098	0.098	-0.002
55	39	0.100	0.096	0.096	-0.004
55	40	0.100	0.098	0.098	-0.002
55	41	0.098	0.100	0.100	0.002
55	42	0.100	0.100	0.100	0.000
50	43	0.098	0.100	0.100	0.002
50	44	0.100	0.100	0.100	0.000
50	45	0.100	0.100	0.100	0.000
50	46	0.100	0.098	0.098	-0.002
50	47	0.096	0.100	0.100	0.004
Max		0.102	0.100	0.100	0.004
Average		0.099	0.099	0.099	0.000
Min		0.096	0.096	0.096	-0.004
Std Dev		0.001	0.001	0.001	0.002



6.7_V_EN_HYS_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.105
Min Limit	0.085

krad(Si)	0	20	25	30	35	50	55
LL	0.085	0.085	0.085	0.085	0.085	0.085	0.085
Min	0.100	0.096	0.098	0.098	0.096	0.098	0.096
Average	0.100	0.098	0.100	0.099	0.098	0.100	0.099
Max	0.100	0.100	0.100	0.100	0.100	0.100	0.100
UL	0.105	0.105	0.105	0.105	0.105	0.105	0.105

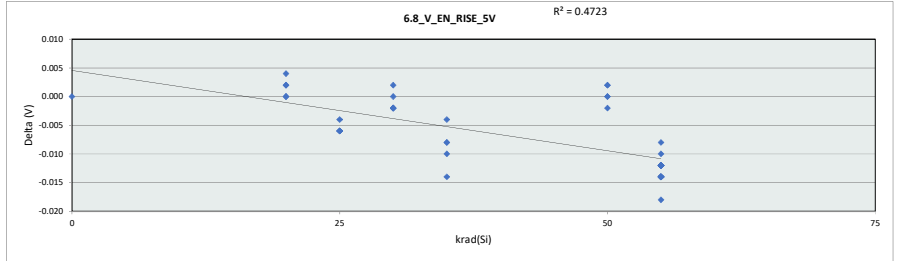


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

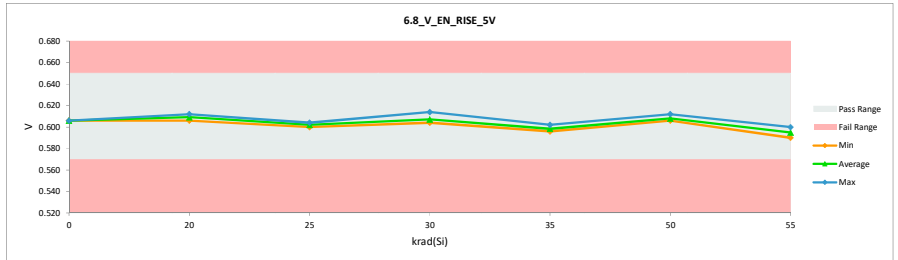
6.8_V_EN_RISE_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.65
Min Limit	0.57

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.606	0.606	0.000
25	1	0.606	0.602	-0.004
25	2	0.608	0.602	-0.006
25	3	0.608	0.602	-0.006
25	4	0.606	0.600	-0.006
25	5	0.610	0.604	-0.006
20	6	0.612	0.612	0.000
20	7	0.608	0.608	0.000
20	8	0.604	0.606	0.002
20	9	0.608	0.612	0.004
20	10	0.606	0.608	0.002
35	11	0.608	0.598	-0.010
35	12	0.604	0.596	-0.008
35	13	0.606	0.598	-0.008
35	14	0.606	0.602	-0.004
35	15	0.612	0.598	-0.014
30	16	0.606	0.604	-0.002
30	17	0.608	0.606	-0.002
30	18	0.614	0.614	0.000
30	19	0.606	0.608	0.002
30	20	0.606	0.604	-0.002
55	21	0.606	0.592	-0.014
55	22	0.606	0.594	-0.012
55	23	0.608	0.594	-0.014
55	24	0.606	0.594	-0.012
55	25	0.612	0.598	-0.014
55	26	0.604	0.592	-0.012
55	27	0.606	0.598	-0.008
55	28	0.612	0.600	-0.012
55	29	0.608	0.594	-0.014
55	30	0.608	0.596	-0.012
55	31	0.610	0.598	-0.012
55	32	0.608	0.594	-0.014
55	33	0.608	0.596	-0.012
55	34	0.604	0.590	-0.014
55	35	0.608	0.596	-0.012
55	36	0.610	0.596	-0.014
55	37	0.608	0.596	-0.012
55	38	0.606	0.596	-0.010
55	39	0.606	0.594	-0.012
55	40	0.610	0.592	-0.018
55	41	0.606	0.594	-0.012
55	42	0.608	0.596	-0.012
50	43	0.608	0.606	-0.002
50	44	0.606	0.606	0.000
50	45	0.610	0.612	0.002
50	46	0.608	0.608	0.000
50	47	0.606	0.608	0.002
Max		0.614	0.614	0.004
Average		0.608	0.600	-0.007
Min		0.604	0.590	-0.018
Std Dev		0.002	0.006	0.006



6.8_V_EN_RISE_5V	
Test Site	
Tester	
Test Number	
Max Limit	0.65
Min Limit	0.57

krad(Si)	0	20	25	30	35	50	55
LL	0.570	0.570	0.570	0.570	0.570	0.570	0.570
Min	0.606	0.606	0.600	0.604	0.596	0.606	0.590
Average	0.606	0.609	0.602	0.607	0.598	0.608	0.595
Max	0.606	0.612	0.604	0.614	0.602	0.612	0.600
UL	0.650	0.650	0.650	0.650	0.650	0.650	0.650

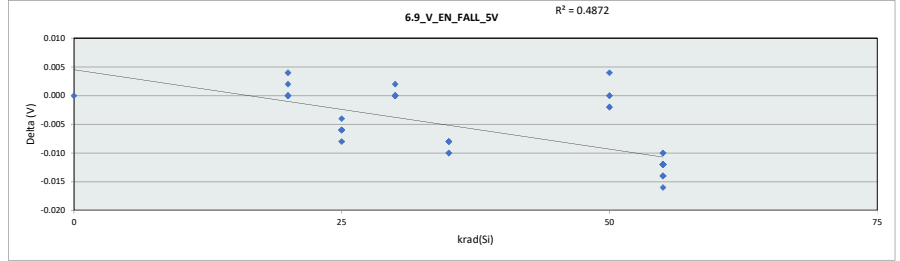


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

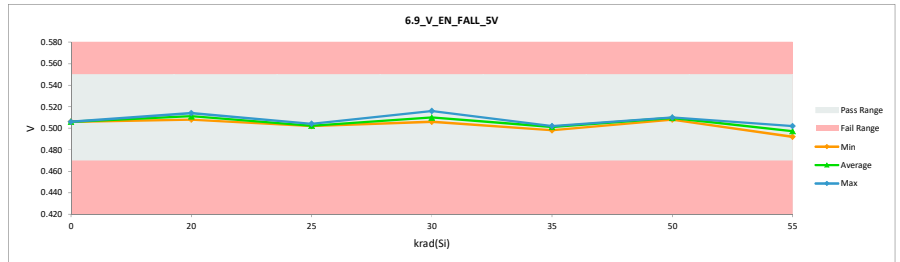
6.9_V_EN_FALL_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.55
Min Limit	0.47

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.506	0.506	0.000
25	1	0.508	0.502	-0.006
25	2	0.510	0.502	-0.008
25	3	0.508	0.502	-0.006
25	4	0.506	0.502	-0.004
25	5	0.510	0.504	-0.006
20	6	0.512	0.512	0.000
20	7	0.510	0.510	0.000
20	8	0.508	0.508	0.000
20	9	0.512	0.514	0.002
20	10	0.508	0.512	0.004
35	11	0.510	0.502	-0.008
35	12	0.510	0.502	-0.008
35	13	0.508	0.498	-0.010
35	14	0.510	0.502	-0.008
35	15	0.512	0.502	-0.010
30	16	0.506	0.506	0.000
30	17	0.510	0.510	0.000
30	18	0.514	0.516	0.002
30	19	0.508	0.508	0.000
30	20	0.510	0.510	0.000
55	21	0.508	0.494	-0.014
55	22	0.512	0.498	-0.014
55	23	0.508	0.496	-0.012
55	24	0.508	0.496	-0.012
55	25	0.514	0.502	-0.012
55	26	0.508	0.494	-0.014
55	27	0.510	0.498	-0.012
55	28	0.512	0.500	-0.012
55	29	0.510	0.498	-0.012
55	30	0.510	0.498	-0.012
55	31	0.510	0.498	-0.012
55	32	0.508	0.496	-0.012
55	33	0.510	0.498	-0.012
55	34	0.508	0.492	-0.016
55	35	0.510	0.498	-0.012
55	36	0.510	0.498	-0.012
55	37	0.510	0.496	-0.014
55	38	0.508	0.498	-0.010
55	39	0.510	0.498	-0.012
55	40	0.512	0.498	-0.014
55	41	0.510	0.498	-0.012
55	42	0.508	0.498	-0.010
50	43	0.510	0.510	0.000
50	44	0.506	0.510	0.004
50	45	0.512	0.510	-0.002
50	46	0.510	0.510	0.000
50	47	0.510	0.508	-0.002
Max		0.514	0.516	0.004
Average		0.510	0.502	-0.007
Min		0.506	0.492	-0.016
Std Dev		0.002	0.006	0.006



6.9_V_EN_FALL_5V	
Test Site	
Tester	
Test Number	
Max Limit	0.55
Min Limit	0.47

krad(Si)	0	20	25	30	35	50	55
LL	0.470	0.470	0.470	0.470	0.470	0.470	0.470
Min	0.506	0.508	0.502	0.506	0.498	0.508	0.492
Average	0.506	0.511	0.502	0.510	0.501	0.510	0.497
Max	0.506	0.514	0.504	0.516	0.502	0.510	0.502
UL	0.550	0.550	0.550	0.550	0.550	0.550	0.550

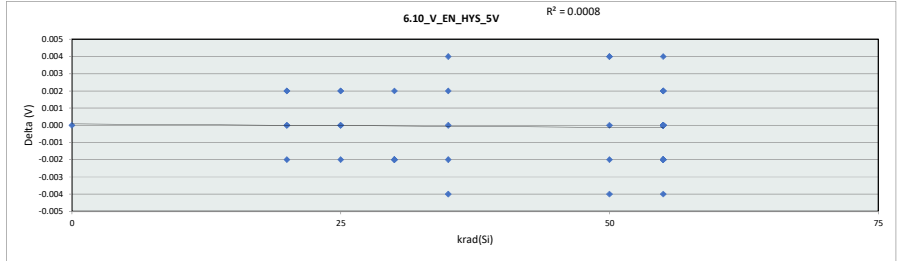


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

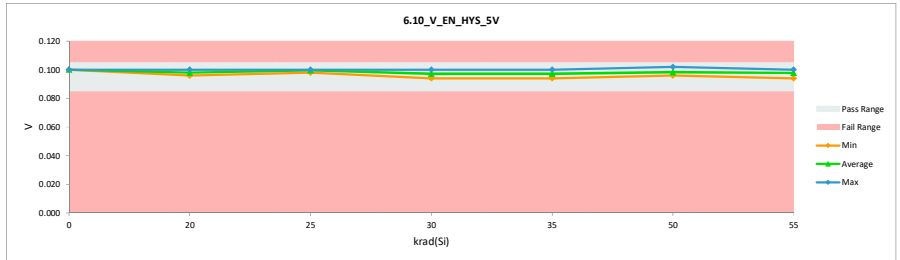
6.10_V_EN_HYS_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.105
Min Limit	0.085

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.100	0.100	0.000
25	1	0.098	0.100	0.002
25	2	0.098	0.100	0.002
25	3	0.100	0.100	0.000
25	4	0.100	0.098	-0.002
25	5	0.100	0.100	0.000
20	6	0.100	0.100	0.000
20	7	0.098	0.098	0.000
20	8	0.096	0.098	0.002
20	9	0.096	0.098	0.002
20	10	0.098	0.096	-0.002
35	11	0.098	0.096	-0.002
35	12	0.094	0.094	0.000
35	13	0.098	0.100	0.002
35	14	0.096	0.100	0.004
35	15	0.100	0.096	-0.004
30	16	0.100	0.098	-0.002
30	17	0.098	0.096	-0.002
30	18	0.100	0.098	-0.002
30	19	0.098	0.100	0.002
30	20	0.096	0.094	-0.002
55	21	0.098	0.098	0.000
55	22	0.094	0.096	0.002
55	23	0.100	0.098	-0.002
55	24	0.098	0.098	0.000
55	25	0.098	0.096	-0.002
55	26	0.096	0.098	0.002
55	27	0.096	0.100	0.004
55	28	0.100	0.100	0.000
55	29	0.098	0.096	-0.002
55	30	0.098	0.098	0.000
55	31	0.100	0.100	0.000
55	32	0.100	0.098	-0.002
55	33	0.098	0.098	0.000
55	34	0.096	0.098	0.002
55	35	0.098	0.098	0.000
55	36	0.100	0.098	-0.002
55	37	0.098	0.100	0.002
55	38	0.098	0.098	0.000
55	39	0.096	0.096	0.000
55	40	0.098	0.094	-0.004
55	41	0.096	0.096	0.000
55	42	0.100	0.098	-0.002
50	43	0.098	0.096	-0.002
50	44	0.100	0.096	-0.004
50	45	0.098	0.102	0.004
50	46	0.098	0.098	0.000
50	47	0.096	0.100	0.004
Max		0.100	0.102	0.004
Average		0.098	0.098	0.000
Min		0.094	0.094	-0.004
Std Dev		0.002	0.002	0.002



6.10_V_EN_HYS_5V	
Test Site	
Tester	
Test Number	
Max Limit	0.105
Min Limit	0.085

krad(Si)	0	20	25	30	35	50	55
LL	0.085	0.085	0.085	0.085	0.085	0.085	0.085
Min	0.100	0.096	0.098	0.094	0.094	0.096	0.094
Average	0.100	0.098	0.100	0.097	0.097	0.098	0.098
Max	0.100	0.100	0.100	0.100	0.100	0.102	0.100
UL	0.105	0.105	0.105	0.105	0.105	0.105	0.105

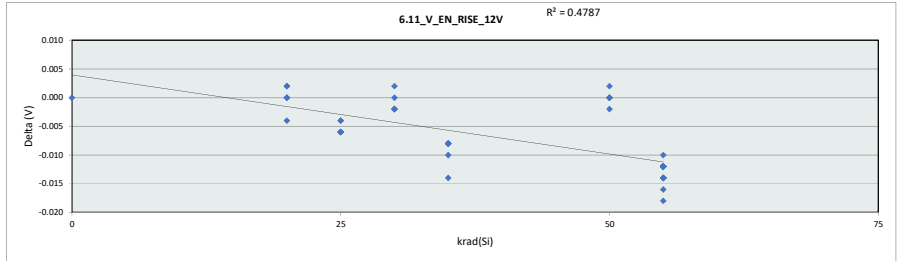


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

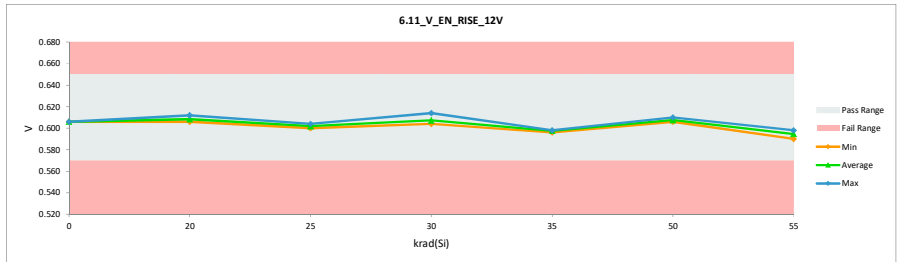
6.11_V_EN_RISE_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.65
Min Limit	0.57

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.606	0.606	0.000
25	1	0.606	0.602	-0.004
25	2	0.606	0.602	-0.004
25	3	0.608	0.602	-0.006
25	4	0.606	0.600	-0.006
25	5	0.610	0.604	-0.006
20	6	0.612	0.612	0.000
20	7	0.608	0.608	0.000
20	8	0.604	0.606	0.002
20	9	0.612	0.608	-0.004
20	10	0.606	0.608	0.002
35	11	0.608	0.598	-0.010
35	12	0.604	0.596	-0.008
35	13	0.606	0.598	-0.008
35	14	0.606	0.598	-0.008
35	15	0.612	0.598	-0.014
30	16	0.606	0.604	-0.002
30	17	0.608	0.606	-0.002
30	18	0.614	0.614	0.000
30	19	0.606	0.608	0.002
30	20	0.606	0.604	-0.002
55	21	0.606	0.592	-0.014
55	22	0.606	0.594	-0.012
55	23	0.608	0.594	-0.014
55	24	0.606	0.594	-0.012
55	25	0.612	0.598	-0.014
55	26	0.604	0.592	-0.012
55	27	0.606	0.592	-0.014
55	28	0.612	0.596	-0.016
55	29	0.608	0.596	-0.012
55	30	0.608	0.596	-0.012
55	31	0.610	0.598	-0.012
55	32	0.608	0.594	-0.014
55	33	0.608	0.596	-0.012
55	34	0.604	0.590	-0.014
55	35	0.608	0.596	-0.012
55	36	0.610	0.596	-0.014
55	37	0.608	0.596	-0.012
55	38	0.606	0.596	-0.010
55	39	0.606	0.594	-0.012
55	40	0.610	0.592	-0.018
55	41	0.606	0.594	-0.012
55	42	0.608	0.596	-0.012
50	43	0.608	0.606	-0.002
50	44	0.606	0.606	0.000
50	45	0.610	0.610	0.000
50	46	0.608	0.608	0.000
50	47	0.606	0.608	0.002
Max		0.614	0.614	0.002
Average		0.608	0.600	-0.008
Min		0.604	0.590	-0.018
Std Dev		0.002	0.006	0.006



6.11_V_EN_RISE_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.65
Min Limit	0.57

krad(Si)	0	20	25	30	35	50	55
LL	0.570	0.570	0.570	0.570	0.570	0.570	0.570
Min	0.606	0.606	0.600	0.604	0.596	0.606	0.590
Average	0.606	0.608	0.602	0.607	0.598	0.608	0.595
Max	0.606	0.612	0.604	0.614	0.598	0.610	0.598
UL	0.650	0.650	0.650	0.650	0.650	0.650	0.650

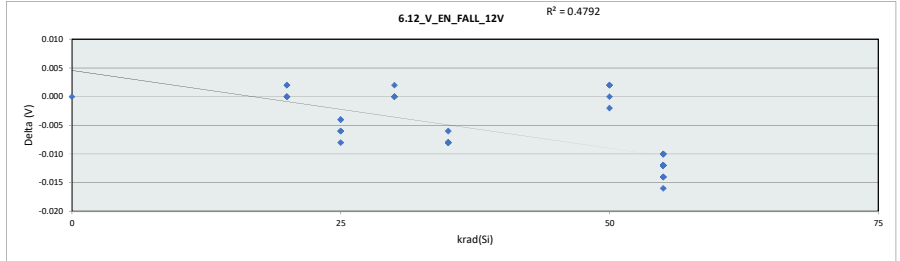


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

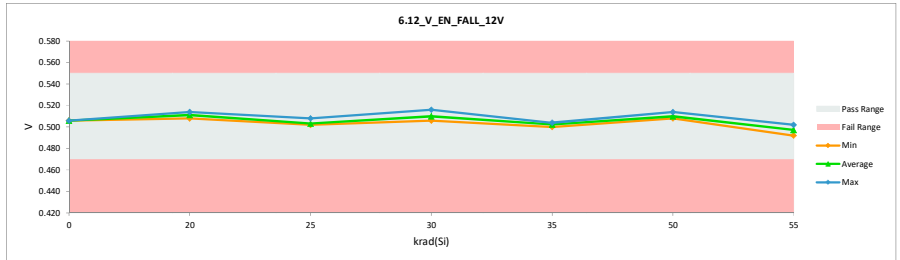
6.12_V_EN_FALL_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.55
Min Limit	0.47

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.506	0.506	0.000
25	1	0.508	0.502	-0.006
25	2	0.510	0.502	-0.008
25	3	0.508	0.502	-0.006
25	4	0.506	0.502	-0.004
25	5	0.512	0.508	-0.004
20	6	0.512	0.512	0.000
20	7	0.510	0.510	0.000
20	8	0.508	0.508	0.000
20	9	0.512	0.514	0.002
20	10	0.510	0.512	0.002
35	11	0.510	0.502	-0.008
35	12	0.510	0.502	-0.008
35	13	0.508	0.500	-0.008
35	14	0.510	0.504	-0.006
35	15	0.512	0.504	-0.008
30	16	0.506	0.506	0.000
30	17	0.510	0.510	0.000
30	18	0.514	0.516	0.002
30	19	0.508	0.508	0.000
30	20	0.510	0.510	0.000
55	21	0.508	0.494	-0.014
55	22	0.512	0.498	-0.014
55	23	0.506	0.496	-0.010
55	24	0.508	0.496	-0.012
55	25	0.514	0.502	-0.012
55	26	0.508	0.494	-0.014
55	27	0.510	0.498	-0.012
55	28	0.512	0.500	-0.012
55	29	0.510	0.498	-0.012
55	30	0.510	0.498	-0.012
55	31	0.510	0.498	-0.012
55	32	0.508	0.496	-0.012
55	33	0.510	0.498	-0.012
55	34	0.508	0.492	-0.016
55	35	0.510	0.498	-0.012
55	36	0.510	0.498	-0.012
55	37	0.510	0.496	-0.014
55	38	0.508	0.498	-0.010
55	39	0.510	0.498	-0.012
55	40	0.512	0.498	-0.014
55	41	0.510	0.500	-0.010
55	42	0.508	0.498	-0.010
50	43	0.510	0.510	0.000
50	44	0.506	0.508	0.002
50	45	0.512	0.514	0.002
50	46	0.508	0.510	0.002
50	47	0.510	0.508	-0.002
Max		0.514	0.516	0.002
Average		0.510	0.503	-0.007
Min		0.506	0.492	-0.016
Std Dev		0.002	0.006	0.006



6.12_V_EN_FALL_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.55
Min Limit	0.47

krad(Si)	0	20	25	30	35	50	55
LL	0.470	0.470	0.470	0.470	0.470	0.470	0.470
Min	0.506	0.508	0.502	0.506	0.500	0.508	0.492
Average	0.506	0.511	0.503	0.510	0.502	0.510	0.497
Max	0.506	0.514	0.508	0.516	0.504	0.514	0.502
UL	0.550	0.550	0.550	0.550	0.550	0.550	0.550

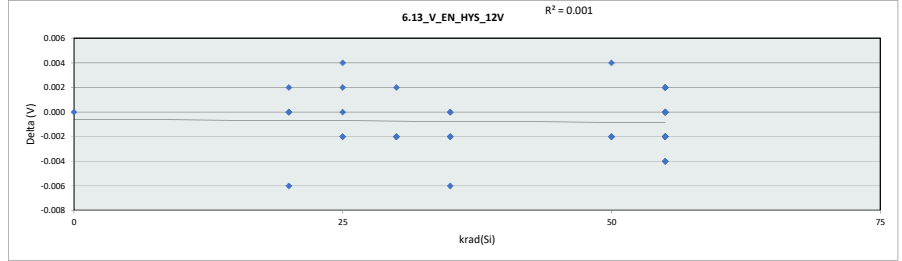


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

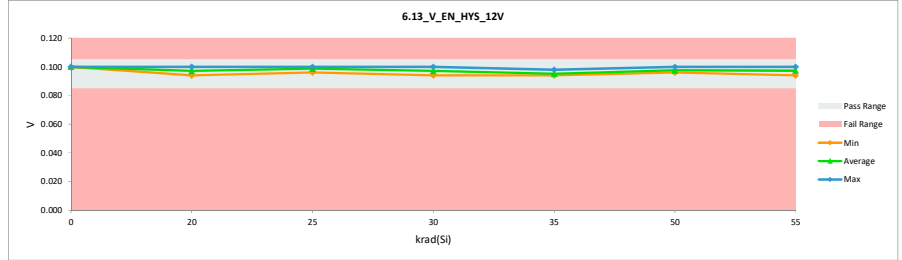
6.13_V_EN_HYS_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.105
Min Limit	0.085

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.100	0.100	0.100	0.000
25	1	0.098	0.100	0.100	0.002
25	2	0.096	0.100	0.100	0.004
25	3	0.100	0.100	0.100	0.000
25	4	0.100	0.098	0.098	-0.002
25	5	0.098	0.096	0.096	-0.002
20	6	0.100	0.100	0.100	0.000
20	7	0.098	0.098	0.098	0.000
20	8	0.096	0.098	0.098	0.002
20	9	0.100	0.094	0.094	-0.006
20	10	0.096	0.096	0.096	0.000
35	11	0.098	0.096	0.096	-0.002
35	12	0.094	0.094	0.094	0.000
35	13	0.098	0.098	0.098	0.000
35	14	0.096	0.094	0.094	-0.002
35	15	0.100	0.094	0.094	-0.006
30	16	0.100	0.098	0.098	-0.002
30	17	0.098	0.096	0.096	-0.002
30	18	0.100	0.098	0.098	-0.002
30	19	0.098	0.100	0.100	0.002
30	20	0.096	0.094	0.094	-0.002
55	21	0.098	0.098	0.098	0.000
55	22	0.094	0.096	0.096	0.002
55	23	0.102	0.098	0.098	-0.004
55	24	0.098	0.098	0.098	0.000
55	25	0.098	0.096	0.096	-0.002
55	26	0.096	0.098	0.098	0.002
55	27	0.096	0.094	0.094	-0.002
55	28	0.100	0.096	0.096	-0.004
55	29	0.098	0.098	0.098	0.000
55	30	0.098	0.098	0.098	0.000
55	31	0.100	0.100	0.100	0.000
55	32	0.100	0.098	0.098	-0.002
55	33	0.098	0.098	0.098	0.000
55	34	0.096	0.098	0.098	0.002
55	35	0.098	0.098	0.098	0.000
55	36	0.100	0.098	0.098	-0.002
55	37	0.098	0.100	0.100	0.002
55	38	0.098	0.098	0.098	0.000
55	39	0.096	0.096	0.096	0.000
55	40	0.098	0.094	0.094	-0.004
55	41	0.096	0.094	0.094	-0.002
55	42	0.100	0.098	0.098	-0.002
50	43	0.098	0.096	0.096	-0.002
50	44	0.100	0.098	0.098	-0.002
50	45	0.098	0.096	0.096	-0.002
50	46	0.100	0.098	0.098	-0.002
50	47	0.096	0.100	0.100	0.004
Max		0.102	0.100	0.100	0.004
Average		0.098	0.097	0.097	-0.001
Min		0.094	0.094	0.094	-0.006
Std Dev		0.002	0.002	0.002	0.002



6.13_V_EN_HYS_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.105
Min Limit	0.085

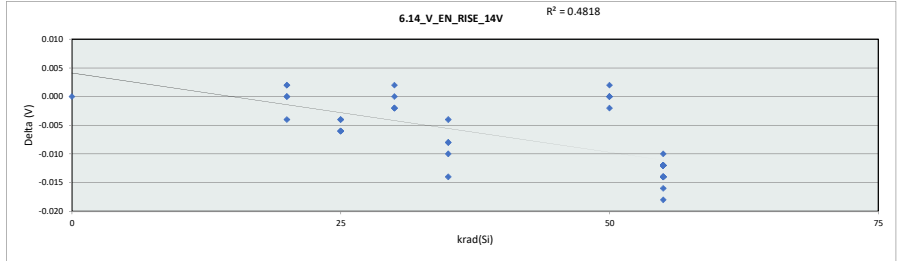
krad(Si)	0	20	25	30	35	50	55
LL	0.085	0.085	0.085	0.085	0.085	0.085	0.085
Min	0.100	0.094	0.096	0.094	0.094	0.096	0.094
Average	0.100	0.097	0.099	0.097	0.095	0.098	0.097
Max	0.100	0.100	0.100	0.100	0.098	0.100	0.100
UL	0.105	0.105	0.105	0.105	0.105	0.105	0.105



HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

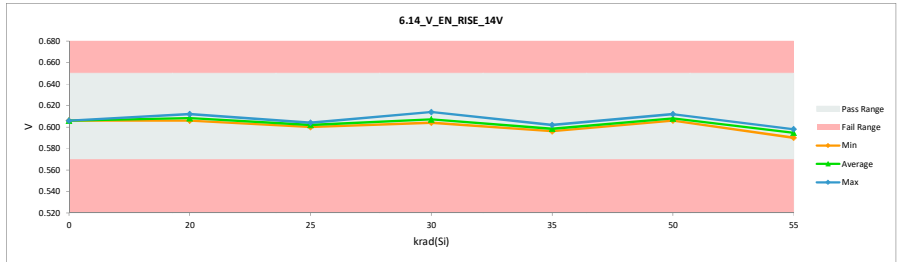
6.14_V_EN_RISE_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.65
Min Limit	0.57



krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.606	0.606	0.000
25	1	0.606	0.602	-0.004
25	2	0.606	0.602	-0.004
25	3	0.608	0.602	-0.006
25	4	0.606	0.600	-0.006
25	5	0.610	0.604	-0.006
20	6	0.612	0.612	0.000
20	7	0.608	0.608	0.000
20	8	0.604	0.606	0.002
20	9	0.612	0.608	-0.004
20	10	0.606	0.608	0.002
35	11	0.608	0.598	-0.010
35	12	0.604	0.596	-0.008
35	13	0.606	0.598	-0.008
35	14	0.606	0.602	-0.004
35	15	0.612	0.598	-0.014
30	16	0.606	0.604	-0.002
30	17	0.608	0.606	-0.002
30	18	0.614	0.614	0.000
30	19	0.606	0.608	0.002
30	20	0.606	0.604	-0.002
55	21	0.606	0.592	-0.014
55	22	0.606	0.594	-0.012
55	23	0.608	0.594	-0.014
55	24	0.606	0.594	-0.012
55	25	0.612	0.598	-0.014
55	26	0.604	0.592	-0.012
55	27	0.606	0.592	-0.014
55	28	0.612	0.596	-0.016
55	29	0.608	0.596	-0.012
55	30	0.608	0.596	-0.012
55	31	0.610	0.598	-0.012
55	32	0.608	0.596	-0.012
55	33	0.608	0.596	-0.012
55	34	0.604	0.590	-0.014
55	35	0.608	0.596	-0.012
55	36	0.610	0.596	-0.014
55	37	0.608	0.596	-0.012
55	38	0.606	0.596	-0.010
55	39	0.606	0.594	-0.012
55	40	0.610	0.592	-0.018
55	41	0.606	0.594	-0.012
55	42	0.608	0.596	-0.012
50	43	0.608	0.606	-0.002
50	44	0.606	0.606	0.000
50	45	0.610	0.612	0.002
50	46	0.608	0.608	0.000
50	47	0.608	0.608	0.000
Max		0.614	0.614	0.002
Average		0.608	0.600	-0.007
Min		0.604	0.590	-0.018
Std Dev		0.002	0.006	0.006

6.14_V_EN_RISE_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.65
Min Limit	0.57

krad(Si)	0	20	25	30	35	50	55
LL	0.570	0.570	0.570	0.570	0.570	0.570	0.570
Min	0.606	0.606	0.600	0.604	0.596	0.606	0.590
Average	0.606	0.608	0.602	0.607	0.598	0.608	0.595
Max	0.606	0.612	0.604	0.614	0.602	0.612	0.598
UL	0.650	0.650	0.650	0.650	0.650	0.650	0.650

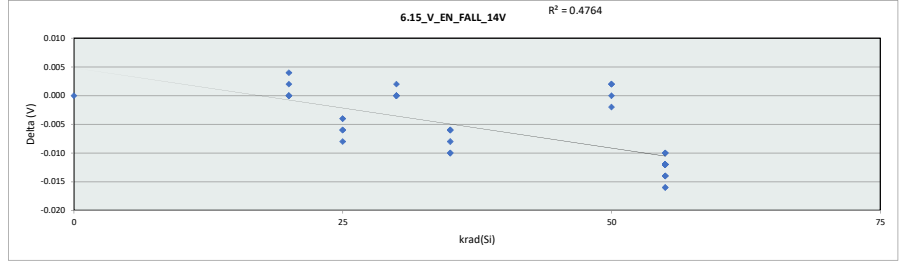


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

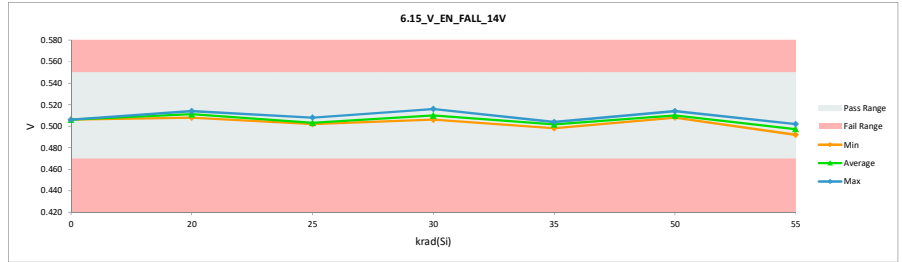
6.15_V_EN_FALL_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.55
Min Limit	0.47

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.506	0.506	0.000
25	1	0.508	0.502	-0.006
25	2	0.510	0.502	-0.008
25	3	0.508	0.502	-0.006
25	4	0.506	0.502	-0.004
25	5	0.512	0.508	-0.004
20	6	0.512	0.512	0.000
20	7	0.510	0.510	0.000
20	8	0.508	0.508	0.000
20	9	0.512	0.514	0.002
20	10	0.508	0.512	0.004
35	11	0.510	0.502	-0.008
35	12	0.508	0.502	-0.006
35	13	0.508	0.498	-0.010
35	14	0.510	0.504	-0.006
35	15	0.512	0.502	-0.010
30	16	0.506	0.506	0.000
30	17	0.510	0.510	0.000
30	18	0.514	0.516	0.002
30	19	0.508	0.508	0.000
30	20	0.510	0.510	0.000
55	21	0.508	0.494	-0.014
55	22	0.512	0.496	-0.016
55	23	0.508	0.496	-0.012
55	24	0.508	0.496	-0.012
55	25	0.514	0.502	-0.012
55	26	0.508	0.494	-0.014
55	27	0.510	0.498	-0.012
55	28	0.512	0.500	-0.012
55	29	0.510	0.498	-0.012
55	30	0.510	0.498	-0.012
55	31	0.510	0.498	-0.012
55	32	0.508	0.496	-0.012
55	33	0.510	0.498	-0.012
55	34	0.508	0.492	-0.016
55	35	0.510	0.498	-0.012
55	36	0.510	0.498	-0.012
55	37	0.510	0.496	-0.014
55	38	0.508	0.498	-0.010
55	39	0.510	0.498	-0.012
55	40	0.512	0.498	-0.014
55	41	0.510	0.500	-0.010
55	42	0.508	0.498	-0.010
50	43	0.510	0.510	0.000
50	44	0.506	0.508	0.002
50	45	0.512	0.514	0.002
50	46	0.508	0.510	0.002
50	47	0.510	0.508	-0.002
Max		0.514	0.516	0.004
Average		0.510	0.503	-0.007
Min		0.506	0.492	-0.016
Std Dev		0.002	0.006	0.006



6.15_V_EN_FALL_14V	
Test Site	
Tester	
Test Number	
Max Limit	0.55
Min Limit	0.47

krad(Si)	0	20	25	30	35	50	55
LL	0.470	0.470	0.470	0.470	0.470	0.470	0.470
Min	0.506	0.508	0.502	0.506	0.498	0.508	0.492
Average	0.506	0.511	0.503	0.510	0.502	0.510	0.497
Max	0.506	0.514	0.508	0.516	0.504	0.514	0.502
UL	0.550	0.550	0.550	0.550	0.550	0.550	0.550

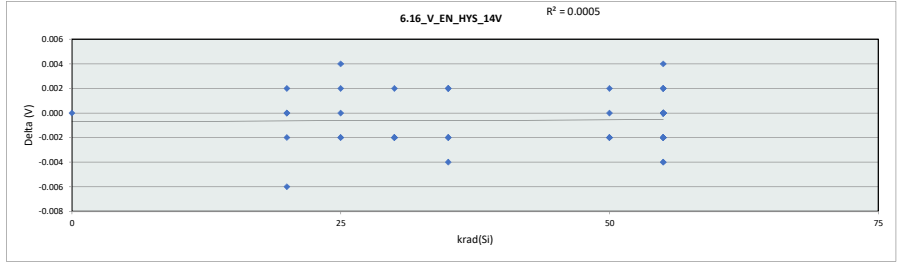


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

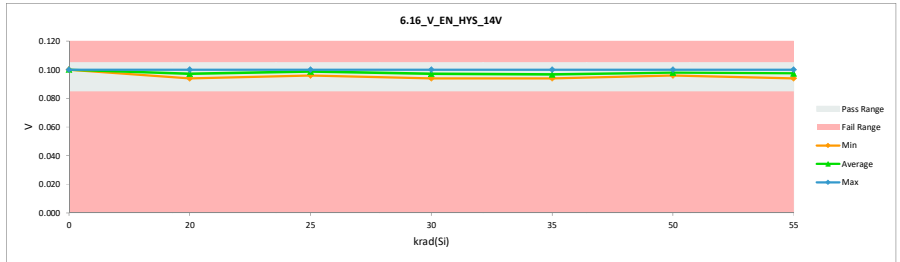
6.16_V_EN_HYS_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.105
Min Limit	0.085

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.100	0.100	0.000
25	1	0.098	0.100	0.002
25	2	0.096	0.100	0.004
25	3	0.100	0.100	0.000
25	4	0.100	0.098	-0.002
25	5	0.098	0.096	-0.002
20	6	0.100	0.100	0.000
20	7	0.098	0.098	0.000
20	8	0.096	0.098	0.002
20	9	0.100	0.094	-0.006
20	10	0.098	0.096	-0.002
35	11	0.098	0.096	-0.002
35	12	0.096	0.094	-0.002
35	13	0.098	0.100	0.002
35	14	0.096	0.098	0.002
35	15	0.100	0.096	-0.004
30	16	0.100	0.098	-0.002
30	17	0.098	0.096	-0.002
30	18	0.100	0.098	-0.002
30	19	0.098	0.100	0.002
30	20	0.096	0.094	-0.002
55	21	0.098	0.098	0.000
55	22	0.094	0.098	0.004
55	23	0.100	0.098	-0.002
55	24	0.098	0.098	0.000
55	25	0.098	0.096	-0.002
55	26	0.096	0.098	0.002
55	27	0.096	0.094	-0.002
55	28	0.100	0.096	-0.004
55	29	0.098	0.098	0.000
55	30	0.098	0.098	0.000
55	31	0.100	0.100	0.000
55	32	0.100	0.100	0.000
55	33	0.098	0.098	0.000
55	34	0.096	0.098	0.002
55	35	0.098	0.098	0.000
55	36	0.100	0.098	-0.002
55	37	0.098	0.100	0.002
55	38	0.098	0.098	0.000
55	39	0.096	0.096	0.000
55	40	0.098	0.094	-0.004
55	41	0.096	0.094	-0.002
55	42	0.100	0.098	-0.002
50	43	0.098	0.096	-0.002
50	44	0.100	0.098	-0.002
50	45	0.098	0.098	0.000
50	46	0.100	0.098	-0.002
50	47	0.098	0.100	0.002
Max		0.100	0.100	0.004
Average		0.098	0.098	-0.001
Min		0.094	0.094	-0.006
Std Dev		0.002	0.002	0.002



6.16_V_EN_HYS_14V	
Test Site	
Tester	
Test Number	
Max Limit	0.105
Min Limit	0.085

krad(Si)	0	20	25	30	35	50	55
LL	0.085	0.085	0.085	0.085	0.085	0.085	0.085
Min	0.100	0.094	0.096	0.094	0.094	0.096	0.094
Average	0.100	0.097	0.099	0.097	0.097	0.098	0.097
Max	0.100	0.100	0.100	0.100	0.100	0.100	0.100
UL	0.105	0.105	0.105	0.105	0.105	0.105	0.105

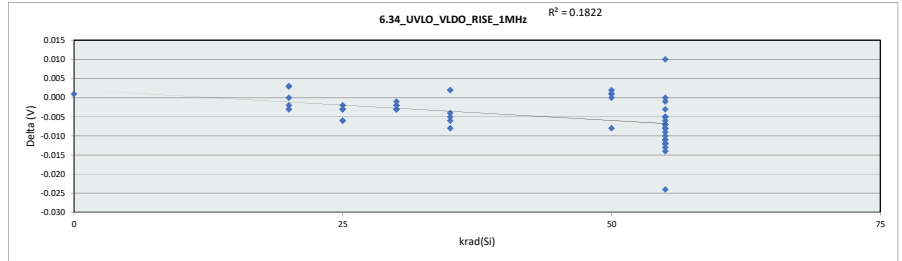


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.34_UVLO_VLDO_RISE_1MHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	3.66
Min Limit	3.44

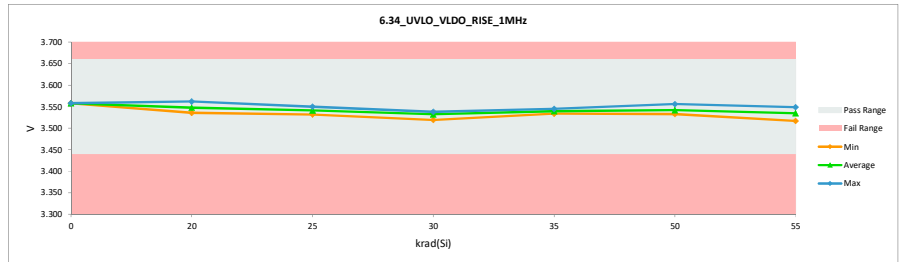
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	3.557	3.558	0.001
25	1	3.544	3.542	-0.002
25	2	3.548	3.545	-0.003
25	3	3.556	3.550	-0.006
25	4	3.535	3.532	-0.003
25	5	3.544	3.538	-0.006
20	6	3.564	3.562	-0.002
20	7	3.533	3.536	0.003
20	8	3.540	3.543	0.003
20	9	3.546	3.543	-0.003
20	10	3.554	3.554	0.000
35	11	3.550	3.545	-0.005
35	12	3.545	3.537	-0.008
35	13	3.532	3.534	0.002
35	14	3.550	3.544	-0.006
35	15	3.541	3.537	-0.004
30	16	3.520	3.519	-0.001
30	17	3.538	3.536	-0.002
30	18	3.540	3.538	-0.002
30	19	3.536	3.533	-0.003
30	20	3.539	3.536	-0.003
55	21	3.541	3.538	-0.003
55	22	3.547	3.541	-0.006
55	23	3.539	3.527	-0.012
55	24	3.542	3.531	-0.011
55	25	3.552	3.540	-0.012
55	26	3.557	3.547	-0.010
55	27	3.536	3.528	-0.008
55	28	3.539	3.531	-0.008
55	29	3.545	3.538	-0.007
55	30	3.554	3.547	-0.007
55	31	3.542	3.534	-0.008
55	32	3.544	3.533	-0.011
55	33	3.541	3.532	-0.009
55	34	3.531	3.517	-0.014
55	35	3.541	3.536	-0.005
55	36	3.533	3.528	-0.005
55	37	3.525	3.525	0.000
55	38	3.545	3.544	-0.001
55	39	3.539	3.549	0.010
55	40	3.556	3.532	-0.024
55	41	3.532	3.527	-0.005
55	42	3.555	3.542	-0.013
50	43	3.541	3.543	0.002
50	44	3.535	3.536	0.001
50	45	3.541	3.542	0.001
50	46	3.541	3.533	-0.008
50	47	3.556	3.556	0.000
Max		3.564	3.562	0.010
Average		3.543	3.538	-0.005
Min		3.520	3.517	-0.024
Std Dev		0.009	0.009	0.006



6.34_UVLO_VLDO_RISE_1MHz

Test Site	
Tester	
Test Number	
Max Limit	3.66
Min Limit	3.44

krad(Si)	0	20	25	30	35	50	55
LL	3.440	3.440	3.440	3.440	3.440	3.440	3.440
Min	3.558	3.536	3.532	3.519	3.534	3.533	3.517
Average	3.558	3.548	3.541	3.532	3.539	3.542	3.535
Max	3.558	3.562	3.550	3.538	3.545	3.556	3.549
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660

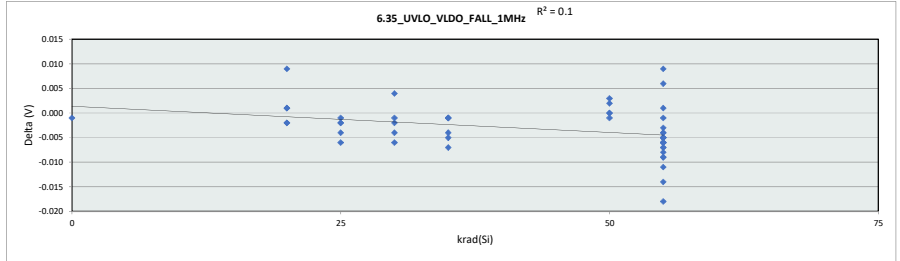


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.35_UVLO_VLDO_FALL_1MHz	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	3.51 3.51
Min Limit	3.29 3.29

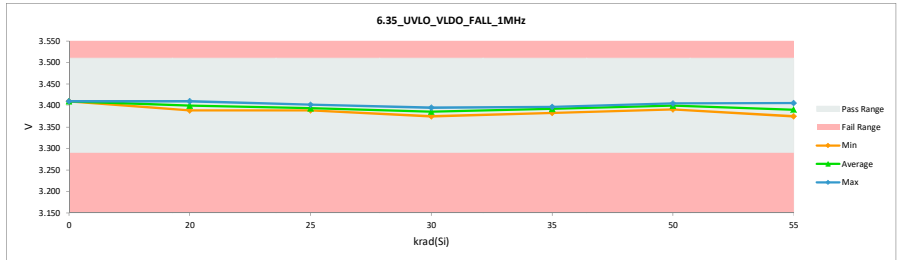
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	3.411	3.410		-0.001
25	1	3.392	3.390		-0.002
25	2	3.395	3.393		-0.002
25	3	3.408	3.402		-0.006
25	4	3.390	3.389		-0.001
25	5	3.398	3.394		-0.004
20	6	3.412	3.410		-0.002
20	7	3.380	3.389		0.009
20	8	3.391	3.392		0.001
20	9	3.401	3.399		-0.002
20	10	3.409	3.410		0.001
35	11	3.402	3.395		-0.007
35	12	3.398	3.397		-0.001
35	13	3.387	3.383		-0.004
35	14	3.401	3.396		-0.005
35	15	3.393	3.392		-0.001
30	16	3.376	3.375		-0.001
30	17	3.388	3.386		-0.002
30	18	3.394	3.388		-0.006
30	19	3.391	3.395		0.004
30	20	3.389	3.385		-0.004
55	21	3.390	3.396		0.006
55	22	3.399	3.390		-0.009
55	23	3.392	3.387		-0.005
55	24	3.394	3.390		-0.004
55	25	3.400	3.396		-0.004
55	26	3.411	3.405		-0.006
55	27	3.386	3.381		-0.005
55	28	3.388	3.383		-0.005
55	29	3.396	3.389		-0.007
55	30	3.402	3.396		-0.006
55	31	3.401	3.396		-0.005
55	32	3.398	3.391		-0.007
55	33	3.390	3.381		-0.009
55	34	3.386	3.375		-0.011
55	35	3.390	3.382		-0.008
55	36	3.400	3.386		-0.014
55	37	3.391	3.385		-0.006
55	38	3.397	3.394		-0.003
55	39	3.396	3.405		0.009
55	40	3.406	3.388		-0.018
55	41	3.391	3.390		-0.001
55	42	3.405	3.406		0.001
50	43	3.403	3.402		-0.001
50	44	3.388	3.391		0.003
50	45	3.397	3.397		0.000
50	46	3.403	3.405		0.002
50	47	3.405	3.405		0.000
	Max	3.412	3.410		0.009
	Average	3.396	3.393		-0.003
	Min	3.376	3.375		-0.018
	Std Dev	0.008	0.009		0.005



6.35_UVLO_VLDO_FALL_1MHz

Test Site	
Tester	
Test Number	
Max Limit	3.51 V
Min Limit	3.29 V

krad(Si)	0	20	25	30	35	50	55
LL	3.290	3.290	3.290	3.290	3.290	3.290	3.290
Min	3.410	3.389	3.389	3.375	3.383	3.391	3.375
Average	3.410	3.400	3.394	3.386	3.393	3.400	3.391
Max	3.410	3.410	3.402	3.395	3.397	3.405	3.406
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510



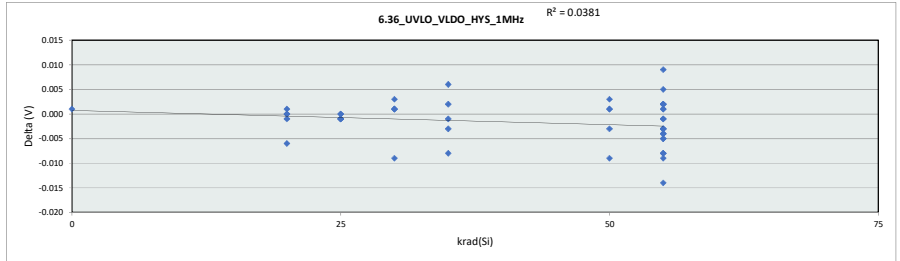
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.36_UVLO_VLDO_HYS_1MHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.16	0.16
Min Limit	0.115	0.115

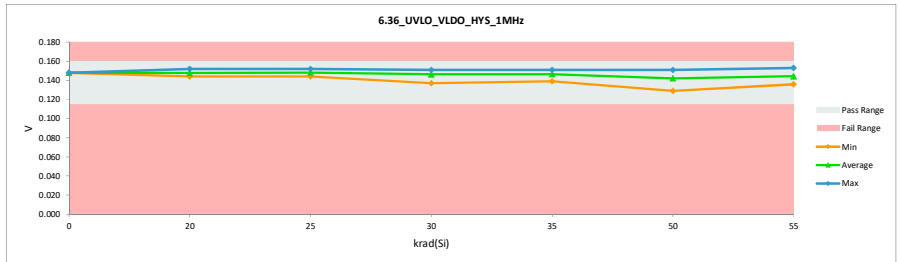
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.147	0.148	0.001
25	1	0.152	0.152	0.000
25	2	0.153	0.152	-0.001
25	3	0.148	0.148	0.000
25	4	0.145	0.144	-0.001
25	5	0.146	0.145	-0.001
20	6	0.152	0.152	0.000
20	7	0.153	0.147	-0.006
20	8	0.150	0.151	0.001
20	9	0.145	0.145	0.000
20	10	0.145	0.144	-0.001
35	11	0.148	0.150	0.002
35	12	0.147	0.139	-0.008
35	13	0.145	0.151	0.006
35	14	0.149	0.148	-0.001
35	15	0.148	0.145	-0.003
30	16	0.143	0.144	0.001
30	17	0.149	0.150	0.001
30	18	0.147	0.150	0.003
30	19	0.146	0.137	-0.009
30	20	0.150	0.151	0.001
55	21	0.151	0.142	-0.009
55	22	0.149	0.151	0.002
55	23	0.147	0.139	-0.008
55	24	0.149	0.141	-0.008
55	25	0.152	0.144	-0.008
55	26	0.146	0.143	-0.003
55	27	0.151	0.147	-0.004
55	28	0.152	0.148	-0.004
55	29	0.149	0.150	0.001
55	30	0.152	0.151	-0.001
55	31	0.141	0.138	-0.003
55	32	0.146	0.143	-0.003
55	33	0.151	0.150	-0.001
55	34	0.146	0.142	-0.004
55	35	0.151	0.153	0.002
55	36	0.133	0.142	0.009
55	37	0.135	0.140	0.005
55	38	0.149	0.150	0.001
55	39	0.143	0.145	0.002
55	40	0.150	0.145	-0.005
55	41	0.142	0.137	-0.005
55	42	0.150	0.136	-0.014
50	43	0.138	0.141	0.003
50	44	0.148	0.145	-0.003
50	45	0.144	0.145	0.001
50	46	0.138	0.129	-0.009
50	47	0.150	0.151	0.001
Max		0.153	0.153	0.009
Average		0.147	0.145	-0.002
Min		0.133	0.129	-0.014
Std Dev		0.005	0.005	0.004



6.36_UVLO_VLDO_HYS_1MHz

Test Site		
Tester		
Test Number		
Max Limit	0.16	V
Min Limit	0.115	V

krad(Si)	0	20	25	30	35	50	55
LL	0.115	0.115	0.115	0.115	0.115	0.115	0.115
Min	0.148	0.144	0.144	0.137	0.139	0.129	0.136
Average	0.148	0.148	0.148	0.146	0.147	0.142	0.144
Max	0.148	0.152	0.152	0.151	0.151	0.151	0.153
UL	0.160	0.160	0.160	0.160	0.160	0.160	0.160

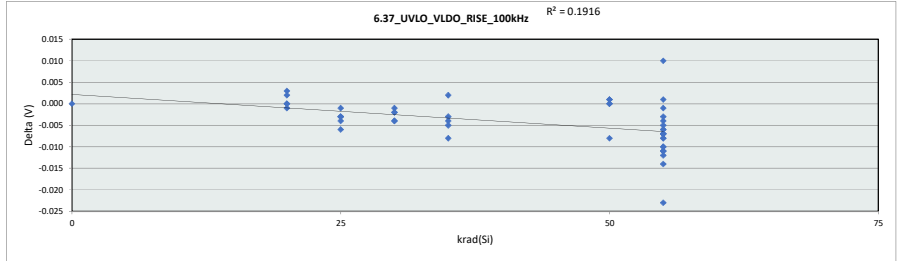


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.37_UVLO_VLDO_RISE_100kHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	3.66
Min Limit	3.44

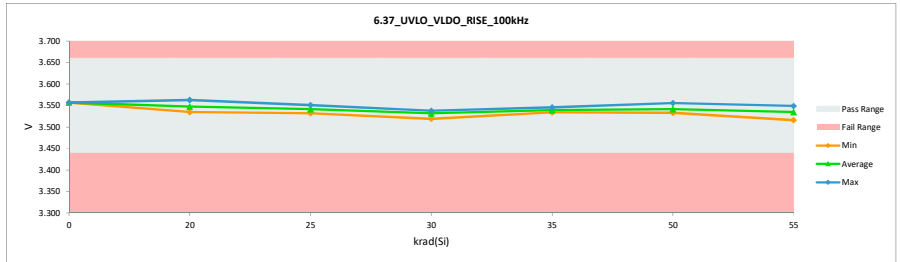
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	3.557	3.557		0.000
25	1	3.543	3.542		-0.001
25	2	3.548	3.545		-0.003
25	3	3.555	3.551		-0.004
25	4	3.535	3.532		-0.003
25	5	3.544	3.538		-0.006
20	6	3.563	3.563		0.000
20	7	3.532	3.535		0.003
20	8	3.540	3.542		0.002
20	9	3.545	3.544		-0.001
20	10	3.553	3.553		0.000
35	11	3.550	3.546		-0.004
35	12	3.544	3.536		-0.008
35	13	3.532	3.534		0.002
35	14	3.550	3.545		-0.005
35	15	3.540	3.537		-0.003
30	16	3.520	3.519		-0.001
30	17	3.537	3.535		-0.002
30	18	3.540	3.538		-0.002
30	19	3.537	3.533		-0.004
30	20	3.540	3.536		-0.004
55	21	3.541	3.538		-0.003
55	22	3.547	3.542		-0.005
55	23	3.538	3.527		-0.011
55	24	3.542	3.531		-0.011
55	25	3.552	3.541		-0.011
55	26	3.555	3.548		-0.007
55	27	3.537	3.527		-0.010
55	28	3.539	3.531		-0.008
55	29	3.544	3.537		-0.007
55	30	3.554	3.547		-0.007
55	31	3.541	3.535		-0.006
55	32	3.543	3.535		-0.008
55	33	3.541	3.531		-0.010
55	34	3.530	3.516		-0.014
55	35	3.542	3.535		-0.007
55	36	3.534	3.528		-0.006
55	37	3.527	3.526		-0.001
55	38	3.544	3.545		0.001
55	39	3.539	3.549		0.010
55	40	3.555	3.532		-0.023
55	41	3.532	3.528		-0.004
55	42	3.554	3.542		-0.012
50	43	3.542	3.543		0.001
50	44	3.536	3.536		0.000
50	45	3.541	3.541		0.000
50	46	3.541	3.533		-0.008
50	47	3.555	3.556		0.001
	Max	3.563	3.563		0.010
	Average	3.543	3.538		-0.004
	Min	3.520	3.516		-0.023
	Std Dev	0.009	0.009		0.005



6.37_UVLO_VLDO_RISE_100kHz

Test Site	
Tester	
Test Number	
Unit	V
Max Limit	3.66
Min Limit	3.44

krad(Si)	0	20	25	30	35	50	55
LL	3.440	3.440	3.440	3.440	3.440	3.440	3.440
Min	3.557	3.535	3.532	3.519	3.534	3.533	3.516
Average	3.557	3.547	3.542	3.532	3.540	3.542	3.535
Max	3.557	3.563	3.551	3.538	3.546	3.556	3.549
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660



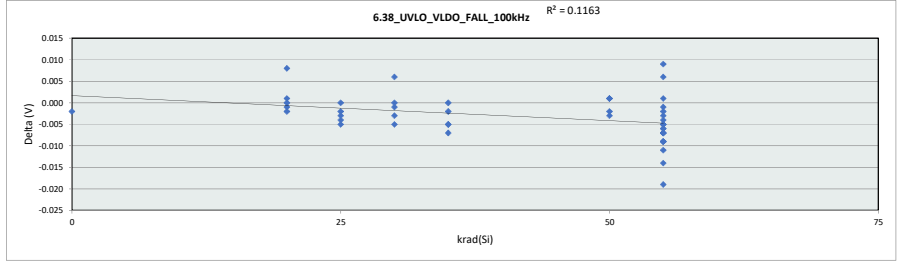
**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.38_UVLO_VLDO_FALL_100kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	3.51	3.51
Min Limit	3.29	3.29

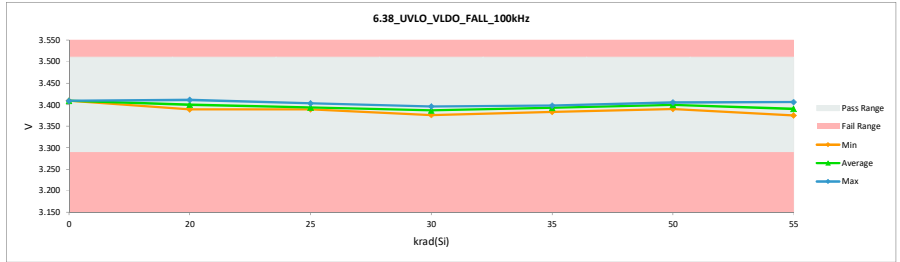
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	3.411	3.409		-0.002
25	1	3.392	3.390		-0.002
25	2	3.396	3.393		-0.003
25	3	3.408	3.403		-0.005
25	4	3.389	3.389		0.000
25	5	3.397	3.393		-0.004
20	6	3.412	3.411		-0.001
20	7	3.381	3.389		0.008
20	8	3.390	3.391		0.001
20	9	3.400	3.398		-0.002
20	10	3.410	3.410		0.000
35	11	3.402	3.395		-0.007
35	12	3.398	3.398		0.000
35	13	3.388	3.383		-0.005
35	14	3.401	3.396		-0.005
35	15	3.393	3.391		-0.002
30	16	3.376	3.376		0.000
30	17	3.388	3.387		-0.001
30	18	3.394	3.389		-0.005
30	19	3.390	3.396		0.006
30	20	3.389	3.386		-0.003
55	21	3.390	3.396		0.006
55	22	3.399	3.390		-0.009
55	23	3.392	3.387		-0.005
55	24	3.393	3.391		-0.002
55	25	3.400	3.395		-0.005
55	26	3.412	3.405		-0.007
55	27	3.385	3.380		-0.005
55	28	3.387	3.383		-0.004
55	29	3.395	3.389		-0.006
55	30	3.402	3.396		-0.006
55	31	3.402	3.395		-0.007
55	32	3.399	3.390		-0.009
55	33	3.390	3.381		-0.009
55	34	3.386	3.375		-0.011
55	35	3.390	3.383		-0.007
55	36	3.400	3.386		-0.014
55	37	3.392	3.385		-0.007
55	38	3.397	3.394		-0.003
55	39	3.396	3.405		0.009
55	40	3.407	3.388		-0.019
55	41	3.391	3.390		-0.001
55	42	3.405	3.406		0.001
50	43	3.403	3.401		-0.002
50	44	3.389	3.390		0.001
50	45	3.397	3.398		0.001
50	46	3.404	3.405		0.001
50	47	3.407	3.404		-0.003
Max		3.412	3.411		0.009
Average		3.396	3.393		-0.003
Min		3.376	3.375		-0.019
Std Dev		0.008	0.009		0.005



6.38_UVLO_VLDO_FALL_100kHz

Test Site		
Tester		
Test Number		
Max Limit	3.51	V
Min Limit	3.29	V

krad(Si)	0	20	25	30	35	50	55
LL	3.290	3.290	3.290	3.290	3.290	3.290	3.290
Min	3.409	3.389	3.389	3.376	3.383	3.390	3.375
Average	3.409	3.400	3.394	3.387	3.393	3.400	3.390
Max	3.409	3.411	3.403	3.396	3.398	3.405	3.406
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510



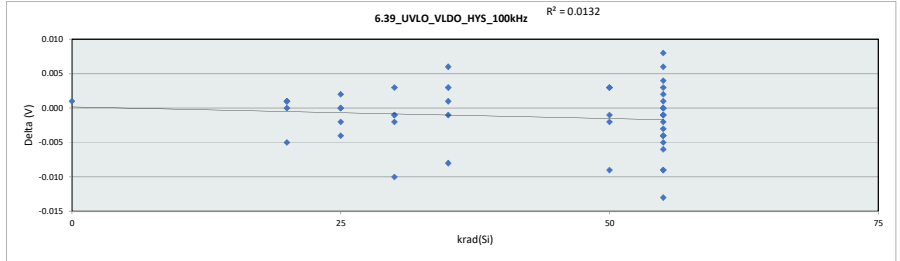
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.39_UVLO_VLDO_HYS_100kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.16	0.16
Min Limit	0.115	0.115

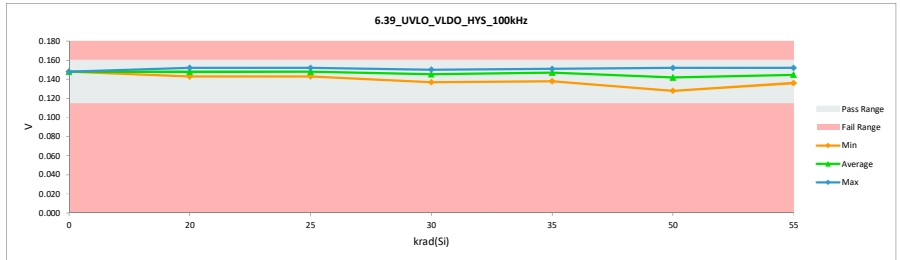
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.147	0.148	0.001
25	1	0.150	0.152	0.002
25	2	0.152	0.152	0.000
25	3	0.148	0.148	0.000
25	4	0.147	0.143	-0.004
25	5	0.147	0.145	-0.002
20	6	0.151	0.152	0.001
20	7	0.151	0.146	-0.005
20	8	0.151	0.152	0.001
20	9	0.145	0.146	0.001
20	10	0.143	0.143	0.000
35	11	0.148	0.151	0.003
35	12	0.146	0.138	-0.008
35	13	0.145	0.151	0.006
35	14	0.148	0.149	0.001
35	15	0.147	0.146	-0.001
30	16	0.144	0.143	-0.001
30	17	0.150	0.148	-0.002
30	18	0.146	0.149	0.003
30	19	0.147	0.137	-0.010
30	20	0.151	0.150	-0.001
55	21	0.151	0.142	-0.009
55	22	0.148	0.152	0.004
55	23	0.146	0.141	-0.005
55	24	0.149	0.140	-0.009
55	25	0.152	0.146	-0.006
55	26	0.144	0.143	-0.001
55	27	0.151	0.147	-0.004
55	28	0.152	0.148	-0.004
55	29	0.149	0.148	-0.001
55	30	0.151	0.151	0.000
55	31	0.139	0.140	0.001
55	32	0.144	0.144	0.000
55	33	0.151	0.151	0.000
55	34	0.144	0.142	-0.002
55	35	0.153	0.152	-0.001
55	36	0.134	0.142	0.008
55	37	0.135	0.141	0.006
55	38	0.148	0.151	0.003
55	39	0.143	0.145	0.002
55	40	0.149	0.145	-0.004
55	41	0.141	0.138	-0.003
55	42	0.149	0.136	-0.013
50	43	0.139	0.142	0.003
50	44	0.147	0.145	-0.002
50	45	0.144	0.143	-0.001
50	46	0.137	0.128	-0.009
50	47	0.149	0.152	0.003
	Max	0.153	0.152	0.008
	Average	0.147	0.145	-0.001
	Min	0.134	0.128	-0.013
	Std Dev	0.004	0.005	0.004



6.39_UVLO_VLDO_HYS_100kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.16	0.16
Min Limit	0.115	0.115

krad(Si)	0	20	25	30	35	50	55
LL	0.115	0.115	0.115	0.115	0.115	0.115	0.115
Min	0.148	0.143	0.143	0.137	0.138	0.128	0.136
Average	0.148	0.148	0.148	0.145	0.147	0.142	0.145
Max	0.148	0.152	0.152	0.150	0.151	0.152	0.152
UL	0.160	0.160	0.160	0.160	0.160	0.160	0.160



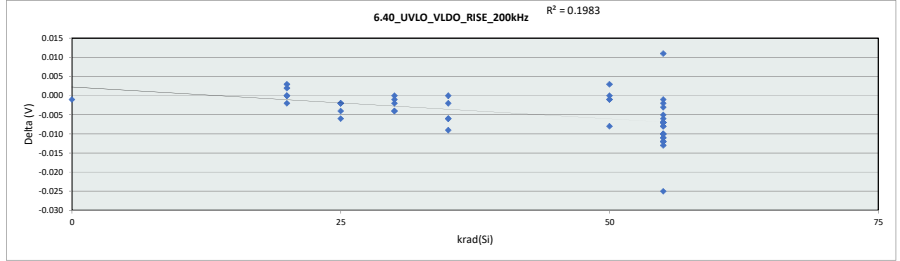
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.40_UVLO_VLDO_RISE_200kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	3.66	3.66
Min Limit	3.44	3.44

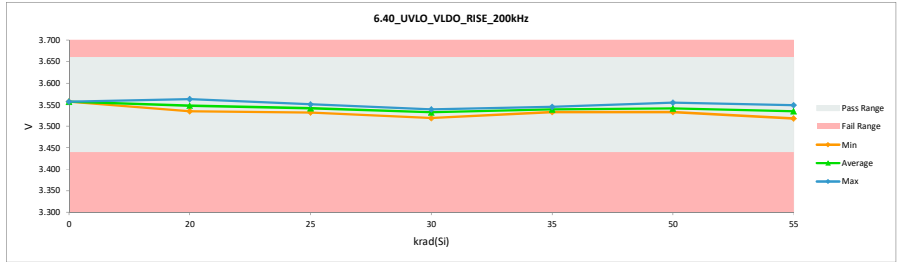
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	3.558	3.557		-0.001
25	1	3.544	3.542		-0.002
25	2	3.548	3.546		-0.002
25	3	3.555	3.551		-0.004
25	4	3.534	3.532		-0.002
25	5	3.544	3.538		-0.006
20	6	3.563	3.563		0.000
20	7	3.532	3.535		0.003
20	8	3.540	3.542		0.002
20	9	3.546	3.544		-0.002
20	10	3.554	3.554		0.000
35	11	3.550	3.544		-0.006
35	12	3.545	3.536		-0.009
35	13	3.533	3.533		0.000
35	14	3.551	3.545		-0.006
35	15	3.540	3.538		-0.002
30	16	3.520	3.519		-0.001
30	17	3.536	3.536		0.000
30	18	3.541	3.539		-0.002
30	19	3.537	3.533		-0.004
30	20	3.539	3.535		-0.004
55	21	3.541	3.538		-0.003
55	22	3.548	3.541		-0.007
55	23	3.539	3.527		-0.012
55	24	3.542	3.531		-0.011
55	25	3.552	3.541		-0.011
55	26	3.555	3.547		-0.008
55	27	3.537	3.527		-0.010
55	28	3.539	3.532		-0.007
55	29	3.545	3.537		-0.008
55	30	3.554	3.547		-0.007
55	31	3.542	3.535		-0.007
55	32	3.543	3.533		-0.010
55	33	3.541	3.531		-0.010
55	34	3.530	3.518		-0.012
55	35	3.542	3.535		-0.007
55	36	3.534	3.528		-0.006
55	37	3.527	3.525		-0.002
55	38	3.545	3.544		-0.001
55	39	3.538	3.549		0.011
55	40	3.555	3.530		-0.025
55	41	3.533	3.528		-0.005
55	42	3.555	3.542		-0.013
50	43	3.541	3.544		0.003
50	44	3.536	3.535		-0.001
50	45	3.542	3.541		-0.001
50	46	3.541	3.533		-0.008
50	47	3.555	3.555		0.000
Max		3.563	3.563		0.011
Average		3.543	3.538		-0.005
Min		3.520	3.518		-0.025
Std Dev		0.009	0.009		0.006



6.40_UVLO_VLDO_RISE_200kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	3.66	3.66
Min Limit	3.44	3.44

krad(Si)	0	20	25	30	35	50	55
LL	3.440	3.440	3.440	3.440	3.440	3.440	3.440
Min	3.557	3.535	3.532	3.519	3.533	3.542	3.535
Average	3.557	3.548	3.542	3.532	3.539	3.542	3.535
Max	3.557	3.563	3.551	3.539	3.545	3.555	3.549
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660



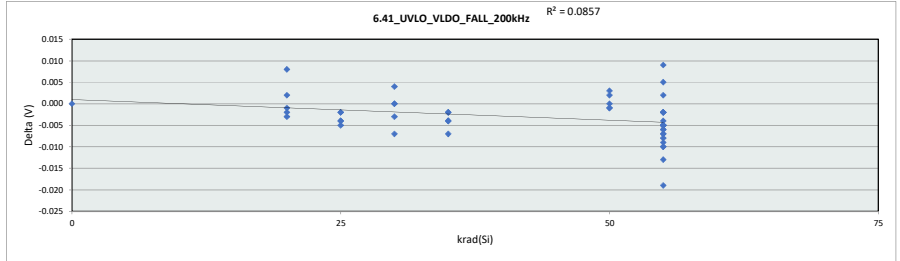
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.41_UVLO_VLDO_FALL_200kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	3.51	3.51
Min Limit	3.29	3.29

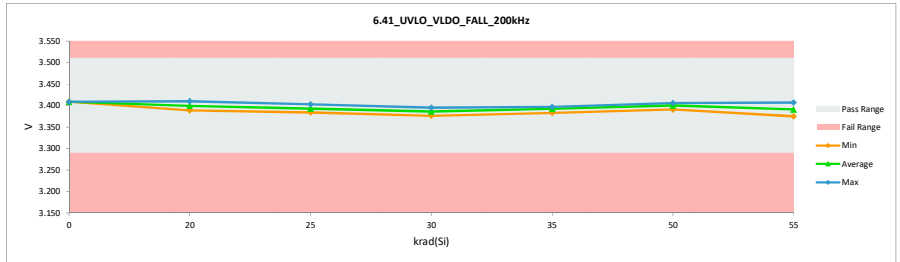
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	3.409	3.409		0.000
25	1	3.392	3.390		-0.002
25	2	3.396	3.394		-0.002
25	3	3.407	3.403		-0.004
25	4	3.389	3.384		-0.005
25	5	3.397	3.393		-0.004
20	6	3.412	3.410		-0.002
20	7	3.381	3.389		0.008
20	8	3.389	3.391		0.002
20	9	3.401	3.398		-0.003
20	10	3.410	3.409		-0.001
35	11	3.402	3.395		-0.007
35	12	3.399	3.397		-0.002
35	13	3.387	3.383		-0.004
35	14	3.400	3.396		-0.004
35	15	3.393	3.391		-0.002
30	16	3.376	3.376		0.000
30	17	3.386	3.386		0.000
30	18	3.395	3.388		-0.007
30	19	3.391	3.395		0.004
30	20	3.389	3.386		-0.003
55	21	3.390	3.395		0.005
55	22	3.398	3.391		-0.007
55	23	3.392	3.387		-0.005
55	24	3.392	3.390		-0.002
55	25	3.400	3.395		-0.005
55	26	3.412	3.405		-0.007
55	27	3.389	3.381		-0.008
55	28	3.387	3.382		-0.005
55	29	3.395	3.393		-0.002
55	30	3.401	3.397		-0.004
55	31	3.400	3.395		-0.005
55	32	3.399	3.390		-0.009
55	33	3.391	3.381		-0.010
55	34	3.385	3.375		-0.010
55	35	3.389	3.383		-0.006
55	36	3.399	3.386		-0.013
55	37	3.391	3.385		-0.006
55	38	3.396	3.394		-0.002
55	39	3.396	3.405		0.009
55	40	3.407	3.388		-0.019
55	41	3.392	3.390		-0.002
55	42	3.405	3.407		0.002
50	43	3.403	3.402		-0.001
50	44	3.389	3.391		0.002
50	45	3.398	3.398		0.000
50	46	3.403	3.406		0.003
50	47	3.405	3.404		-0.001
Max		3.412	3.410		0.009
Average		3.396	3.393		-0.003
Min		3.376	3.375		-0.019
Std Dev		0.008	0.009		0.005



6.41_UVLO_VLDO_FALL_200kHz

Test Site	
Tester	
Test Number	
Max Limit	3.51 V
Min Limit	3.29 V

krad(Si)	0	20	25	30	35	50	55
LL	3.290	3.290	3.290	3.290	3.290	3.290	3.290
Min	3.409	3.389	3.384	3.376	3.383	3.391	3.375
Average	3.409	3.399	3.393	3.386	3.392	3.400	3.391
Max	3.409	3.410	3.403	3.395	3.397	3.406	3.407
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510



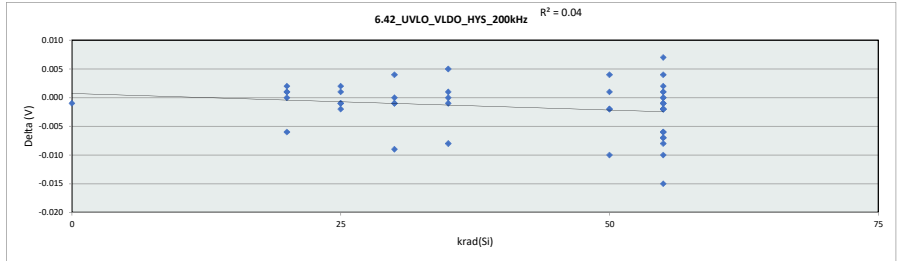
**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.42_UVLO_VLDO_HYS_200kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.16	0.16
Min Limit	0.115	0.115

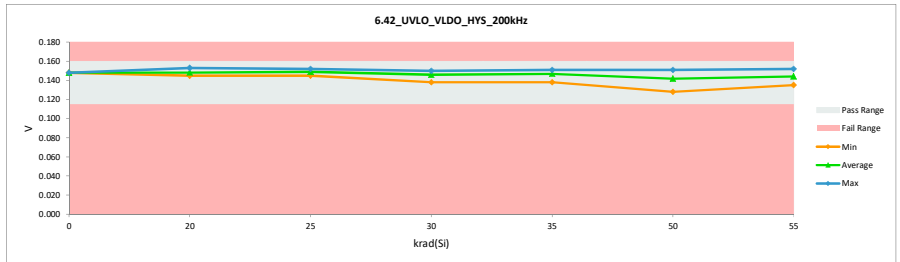
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.149	0.148	-0.001
25	1	0.152	0.151	-0.001
25	2	0.153	0.152	-0.001
25	3	0.148	0.149	0.001
25	4	0.146	0.148	0.002
25	5	0.147	0.145	-0.002
20	6	0.151	0.153	0.002
20	7	0.152	0.146	-0.006
20	8	0.151	0.151	0.000
20	9	0.145	0.146	0.001
20	10	0.144	0.145	0.001
35	11	0.148	0.149	0.001
35	12	0.146	0.138	-0.008
35	13	0.146	0.151	0.005
35	14	0.150	0.149	-0.001
35	15	0.147	0.147	0.000
30	16	0.144	0.144	0.000
30	17	0.150	0.149	-0.001
30	18	0.146	0.150	0.004
30	19	0.147	0.138	-0.009
30	20	0.150	0.149	-0.001
55	21	0.152	0.142	-0.010
55	22	0.149	0.150	0.001
55	23	0.147	0.140	-0.007
55	24	0.150	0.142	-0.008
55	25	0.152	0.146	-0.006
55	26	0.143	0.142	-0.001
55	27	0.148	0.146	-0.002
55	28	0.152	0.150	-0.002
55	29	0.150	0.143	-0.007
55	30	0.152	0.150	-0.002
55	31	0.142	0.140	-0.002
55	32	0.144	0.144	0.000
55	33	0.150	0.150	0.000
55	34	0.144	0.143	-0.001
55	35	0.153	0.152	-0.001
55	36	0.135	0.142	0.007
55	37	0.136	0.140	0.004
55	38	0.149	0.150	0.001
55	39	0.142	0.144	0.002
55	40	0.148	0.142	-0.006
55	41	0.140	0.138	-0.002
55	42	0.150	0.135	-0.015
50	43	0.138	0.142	0.004
50	44	0.147	0.145	-0.002
50	45	0.145	0.143	-0.002
50	46	0.138	0.128	-0.010
50	47	0.150	0.151	0.001
Max		0.153	0.153	0.007
Average		0.147	0.145	-0.002
Min		0.135	0.128	-0.015
Std Dev		0.004	0.005	0.004



6.42_UVLO_VLDO_HYS_200kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.16	0.16
Min Limit	0.115	0.115

krad(Si)	0	20	25	30	35	50	55
LL	0.115	0.115	0.115	0.115	0.115	0.115	0.115
Min	0.148	0.145	0.145	0.138	0.138	0.128	0.135
Average	0.148	0.148	0.149	0.146	0.147	0.142	0.144
Max	0.148	0.153	0.152	0.150	0.151	0.151	0.152
UL	0.160	0.160	0.160	0.160	0.160	0.160	0.160



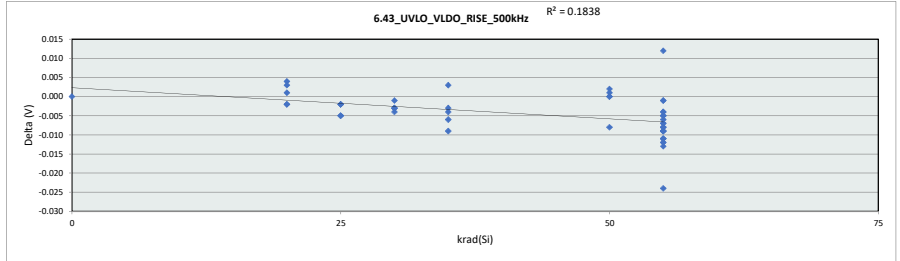
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.43_UVLO_VLDO_RISE_500kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	3.66	3.66
Min Limit	3.44	3.44

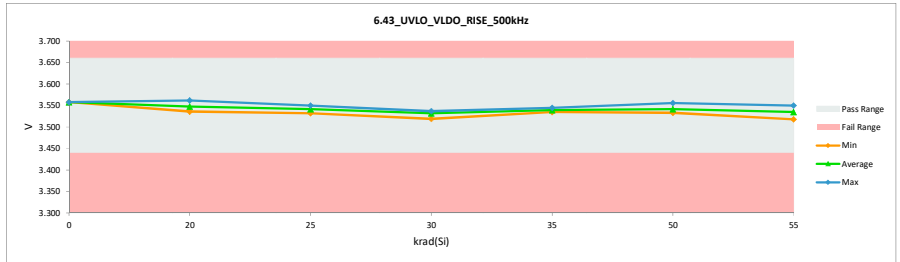
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	3.558	3.558		0.000
25	1	3.543	3.541		-0.002
25	2	3.548	3.546		-0.002
25	3	3.555	3.550		-0.005
25	4	3.534	3.532		-0.002
25	5	3.544	3.539		-0.005
20	6	3.564	3.562		-0.002
20	7	3.532	3.536		0.004
20	8	3.540	3.543		0.003
20	9	3.546	3.544		-0.002
20	10	3.553	3.554		0.001
35	11	3.549	3.545		-0.004
35	12	3.545	3.536		-0.009
35	13	3.532	3.535		0.003
35	14	3.550	3.544		-0.006
35	15	3.540	3.537		-0.003
30	16	3.520	3.519		-0.001
30	17	3.538	3.535		-0.003
30	18	3.540	3.537		-0.003
30	19	3.537	3.533		-0.004
30	20	3.539	3.536		-0.003
55	21	3.541	3.537		-0.004
55	22	3.547	3.542		-0.005
55	23	3.538	3.526		-0.012
55	24	3.542	3.531		-0.011
55	25	3.552	3.541		-0.011
55	26	3.556	3.547		-0.009
55	27	3.536	3.527		-0.009
55	28	3.539	3.531		-0.008
55	29	3.545	3.538		-0.007
55	30	3.554	3.547		-0.007
55	31	3.542	3.534		-0.008
55	32	3.545	3.534		-0.011
55	33	3.541	3.532		-0.009
55	34	3.531	3.518		-0.013
55	35	3.541	3.535		-0.006
55	36	3.533	3.528		-0.005
55	37	3.526	3.525		-0.001
55	38	3.545	3.544		-0.001
55	39	3.538	3.550		0.012
55	40	3.555	3.531		-0.024
55	41	3.532	3.528		-0.004
55	42	3.555	3.543		-0.012
50	43	3.541	3.543		0.002
50	44	3.535	3.535		0.000
50	45	3.541	3.542		0.001
50	46	3.541	3.533		-0.008
50	47	3.556	3.556		0.000
Max		3.564	3.562		0.012
Average		3.543	3.538		-0.004
Min		3.520	3.518		-0.024
Std Dev		0.009	0.009		0.006



6.43_UVLO_VLDO_RISE_500kHz

Test Site	
Tester	
Test Number	
Unit	V
Max Limit	3.66
Min Limit	3.44

krad(Si)	0	20	25	30	35	50	55
LL	3.440	3.440	3.440	3.440	3.440	3.440	3.440
Min	3.558	3.536	3.532	3.519	3.535	3.533	3.518
Average	3.558	3.548	3.542	3.532	3.539	3.542	3.535
Max	3.558	3.562	3.550	3.537	3.545	3.556	3.550
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660



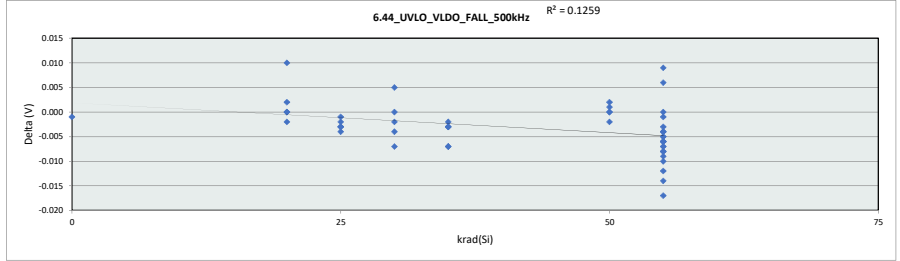
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.44_UVLO_VLDO_FALL_500kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	3.51	3.51
Min Limit	3.29	3.29

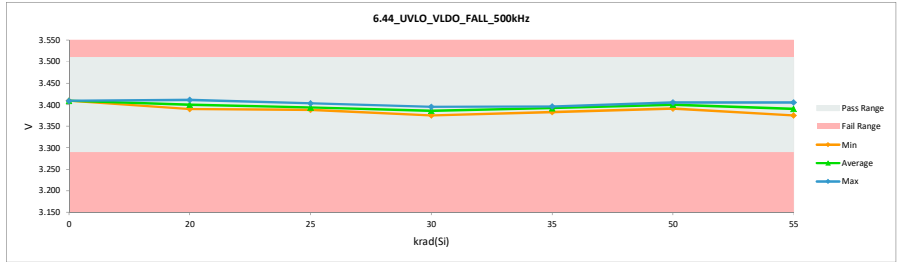
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	3.410	3.409		-0.001
25	1	3.393	3.390		-0.003
25	2	3.396	3.393		-0.003
25	3	3.407	3.403		-0.004
25	4	3.389	3.388		-0.001
25	5	3.396	3.394		-0.002
20	6	3.411	3.411		0.000
20	7	3.380	3.390		0.010
20	8	3.389	3.391		0.002
20	9	3.400	3.398		-0.002
20	10	3.409	3.409		0.000
35	11	3.402	3.395		-0.007
35	12	3.399	3.396		-0.003
35	13	3.386	3.383		-0.003
35	14	3.402	3.395		-0.007
35	15	3.393	3.391		-0.002
30	16	3.375	3.375		0.000
30	17	3.388	3.386		-0.002
30	18	3.394	3.387		-0.007
30	19	3.390	3.395		0.005
30	20	3.390	3.386		-0.004
55	21	3.390	3.396		0.006
55	22	3.398	3.390		-0.008
55	23	3.392	3.387		-0.005
55	24	3.394	3.390		-0.004
55	25	3.400	3.396		-0.004
55	26	3.412	3.405		-0.007
55	27	3.386	3.380		-0.006
55	28	3.387	3.382		-0.005
55	29	3.396	3.392		-0.004
55	30	3.403	3.396		-0.007
55	31	3.401	3.395		-0.006
55	32	3.399	3.389		-0.010
55	33	3.390	3.381		-0.009
55	34	3.387	3.375		-0.012
55	35	3.390	3.382		-0.008
55	36	3.400	3.386		-0.014
55	37	3.391	3.385		-0.006
55	38	3.397	3.394		-0.003
55	39	3.396	3.405		0.009
55	40	3.406	3.389		-0.017
55	41	3.391	3.390		-0.001
55	42	3.405	3.405		0.000
50	43	3.403	3.401		-0.002
50	44	3.390	3.391		0.001
50	45	3.397	3.397		0.000
50	46	3.403	3.405		0.002
50	47	3.405	3.405		0.000
Max		3.412	3.411		0.010
Average		3.396	3.393		-0.003
Min		3.375	3.375		-0.017
Std Dev		0.008	0.009		0.005



6.44_UVLO_VLDO_FALL_500kHz

Test Site		
Tester		
Test Number		
Max Limit	3.51	V
Min Limit	3.29	V

krad(Si)	0	20	25	30	35	50	55
LL	3.290	3.290	3.290	3.290	3.290	3.290	3.290
Min	3.409	3.390	3.388	3.375	3.383	3.391	3.375
Average	3.409	3.400	3.394	3.386	3.392	3.400	3.390
Max	3.409	3.411	3.403	3.395	3.396	3.405	3.405
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510



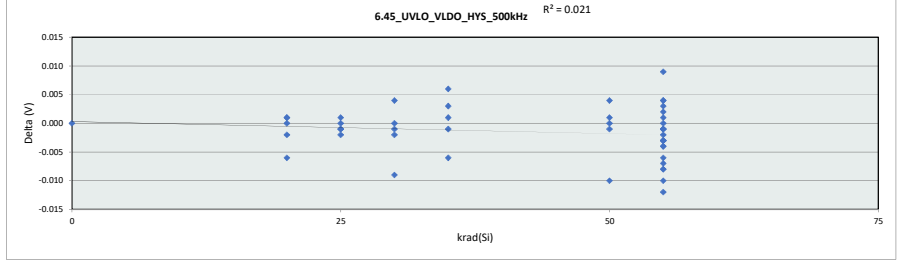
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.45_UVLO_VLDO_HYS_500kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.16	0.16
Min Limit	0.115	0.115

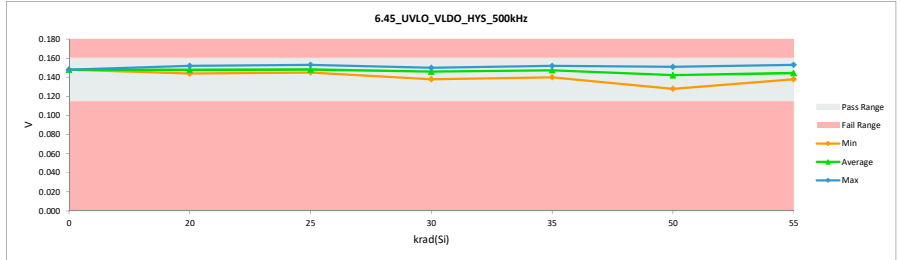
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.148	0.148	0.000
25	1	0.150	0.151	0.001
25	2	0.153	0.153	0.000
25	3	0.148	0.147	-0.001
25	4	0.146	0.145	-0.001
25	5	0.147	0.145	-0.002
20	6	0.153	0.151	-0.002
20	7	0.152	0.146	-0.006
20	8	0.151	0.152	0.001
20	9	0.145	0.146	0.001
20	10	0.144	0.144	0.000
35	11	0.147	0.150	0.003
35	12	0.146	0.140	-0.006
35	13	0.146	0.152	0.006
35	14	0.148	0.149	0.001
35	15	0.147	0.146	-0.001
30	16	0.145	0.143	-0.002
30	17	0.150	0.149	-0.001
30	18	0.146	0.150	0.004
30	19	0.147	0.138	-0.009
30	20	0.150	0.150	0.000
55	21	0.151	0.141	-0.010
55	22	0.150	0.152	0.002
55	23	0.147	0.139	-0.008
55	24	0.148	0.141	-0.007
55	25	0.151	0.145	-0.006
55	26	0.145	0.142	-0.003
55	27	0.151	0.147	-0.004
55	28	0.152	0.148	-0.004
55	29	0.149	0.146	-0.003
55	30	0.151	0.151	0.000
55	31	0.140	0.139	-0.001
55	32	0.146	0.145	-0.001
55	33	0.151	0.150	-0.001
55	34	0.145	0.143	-0.002
55	35	0.152	0.153	0.001
55	36	0.133	0.142	0.009
55	37	0.136	0.140	0.004
55	38	0.148	0.151	0.003
55	39	0.142	0.146	0.004
55	40	0.150	0.142	-0.008
55	41	0.141	0.138	-0.003
55	42	0.150	0.138	-0.012
50	43	0.138	0.142	0.004
50	44	0.146	0.145	-0.001
50	45	0.144	0.145	0.001
50	46	0.138	0.128	-0.010
50	47	0.151	0.151	0.000
Max		0.153	0.153	0.009
Average		0.147	0.146	-0.001
Min		0.133	0.128	-0.012
Std Dev		0.004	0.005	0.004



6.45_UVLO_VLDO_HYS_500kHz

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.16	0.16
Min Limit	0.115	0.115

krad(Si)	0	20	25	30	35	50	55
LL	0.115	0.115	0.115	0.115	0.115	0.115	0.115
Min	0.148	0.144	0.145	0.138	0.140	0.128	0.138
Average	0.148	0.148	0.148	0.146	0.147	0.142	0.145
Max	0.148	0.152	0.153	0.150	0.152	0.151	0.153
UL	0.160	0.160	0.160	0.160	0.160	0.160	0.160

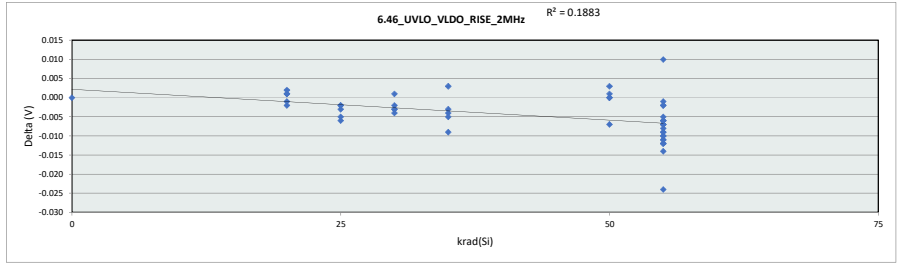


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.46_UVLO_VLDO_RISE_2MHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	3.66
Min Limit	3.44

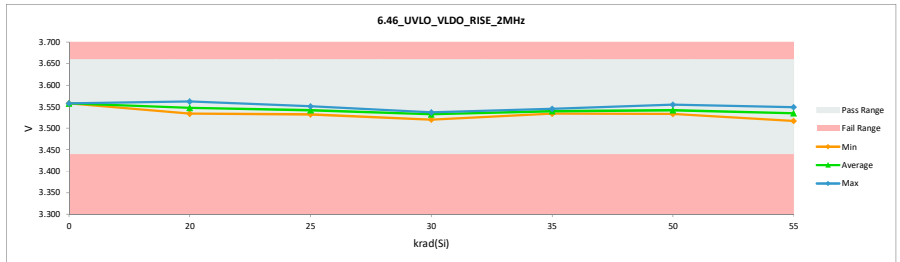
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	3.558	3.558	0.000
25	1	3.544	3.542	-0.002
25	2	3.548	3.546	-0.002
25	3	3.556	3.551	-0.005
25	4	3.535	3.532	-0.003
25	5	3.544	3.538	-0.006
20	6	3.564	3.562	-0.002
20	7	3.532	3.534	0.002
20	8	3.541	3.542	0.001
20	9	3.545	3.544	-0.001
20	10	3.553	3.554	0.001
35	11	3.550	3.545	-0.005
35	12	3.545	3.536	-0.009
35	13	3.531	3.534	0.003
35	14	3.549	3.545	-0.004
35	15	3.540	3.537	-0.003
30	16	3.519	3.520	0.001
30	17	3.538	3.536	-0.002
30	18	3.541	3.537	-0.004
30	19	3.536	3.533	-0.003
30	20	3.539	3.536	-0.003
55	21	3.540	3.538	-0.002
55	22	3.548	3.541	-0.007
55	23	3.538	3.527	-0.011
55	24	3.542	3.530	-0.012
55	25	3.552	3.541	-0.011
55	26	3.556	3.548	-0.008
55	27	3.536	3.527	-0.009
55	28	3.540	3.530	-0.010
55	29	3.546	3.539	-0.007
55	30	3.554	3.547	-0.007
55	31	3.541	3.535	-0.006
55	32	3.544	3.534	-0.010
55	33	3.540	3.531	-0.009
55	34	3.531	3.517	-0.014
55	35	3.541	3.535	-0.006
55	36	3.533	3.527	-0.006
55	37	3.527	3.525	-0.002
55	38	3.545	3.544	-0.001
55	39	3.539	3.549	0.010
55	40	3.555	3.531	-0.024
55	41	3.532	3.527	-0.005
55	42	3.554	3.542	-0.012
50	43	3.541	3.544	0.003
50	44	3.535	3.536	0.001
50	45	3.541	3.541	0.000
50	46	3.540	3.533	-0.007
50	47	3.555	3.555	0.000
Max		3.564	3.562	0.010
Average		3.543	3.538	-0.005
Min		3.519	3.517	-0.024
Std Dev		0.009	0.009	0.006



6.46_UVLO_VLDO_RISE_2MHz

Test Site	
Tester	
Test Number	
Max Limit	3.66
Min Limit	3.44

krad(Si)	0	20	25	30	35	50	55
LL	3.440	3.440	3.440	3.440	3.440	3.440	3.440
Min	3.558	3.534	3.532	3.520	3.534	3.533	3.517
Average	3.558	3.547	3.542	3.532	3.539	3.542	3.535
Max	3.558	3.562	3.551	3.537	3.545	3.555	3.549
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660

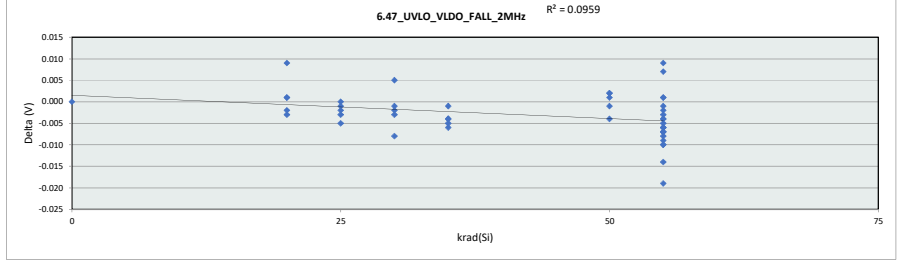


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

6.47_UVLO_VLDO_FALL_2MHz	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	3.51 3.51
Min Limit	3.29 3.29

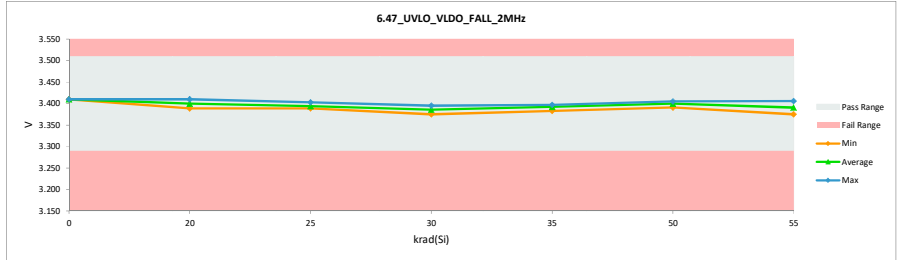
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	3.410	3.410		0.000
25	1	3.392	3.391		-0.001
25	2	3.396	3.394		-0.002
25	3	3.408	3.403		-0.005
25	4	3.389	3.389		0.000
25	5	3.397	3.394		-0.003
20	6	3.413	3.410		-0.003
20	7	3.380	3.389		0.009
20	8	3.390	3.391		0.001
20	9	3.400	3.398		-0.002
20	10	3.409	3.410		0.001
35	11	3.402	3.396		-0.006
35	12	3.398	3.397		-0.001
35	13	3.387	3.383		-0.004
35	14	3.401	3.396		-0.005
35	15	3.394	3.390		-0.004
30	16	3.376	3.375		-0.001
30	17	3.388	3.386		-0.002
30	18	3.395	3.387		-0.008
30	19	3.390	3.395		0.005
30	20	3.389	3.386		-0.003
55	21	3.389	3.396		0.007
55	22	3.397	3.389		-0.008
55	23	3.391	3.387		-0.004
55	24	3.393	3.391		-0.002
55	25	3.400	3.396		-0.004
55	26	3.412	3.405		-0.007
55	27	3.385	3.380		-0.005
55	28	3.388	3.382		-0.006
55	29	3.395	3.394		-0.001
55	30	3.402	3.396		-0.006
55	31	3.401	3.395		-0.006
55	32	3.399	3.390		-0.009
55	33	3.391	3.381		-0.010
55	34	3.385	3.375		-0.010
55	35	3.390	3.383		-0.007
55	36	3.400	3.386		-0.014
55	37	3.391	3.384		-0.007
55	38	3.396	3.393		-0.003
55	39	3.396	3.405		0.009
55	40	3.407	3.388		-0.019
55	41	3.390	3.391		0.001
55	42	3.405	3.406		0.001
50	43	3.404	3.400		-0.004
50	44	3.389	3.391		0.002
50	45	3.396	3.397		0.001
50	46	3.403	3.405		0.002
50	47	3.406	3.405		-0.001
Max		3.413	3.410		0.009
Average		3.396	3.393		-0.003
Min		3.376	3.375		-0.019
Std Dev		0.008	0.009		0.005



6.47_UVLO_VLDO_FALL_2MHz

Test Site	
Tester	
Test Number	
Max Limit	3.51 V
Min Limit	3.29 V

krad(Si)	0	20	25	30	35	50	55
LL	3.290	3.290	3.290	3.290	3.290	3.290	3.290
Min	3.410	3.389	3.389	3.375	3.383	3.391	3.375
Average	3.410	3.400	3.394	3.386	3.392	3.400	3.391
Max	3.410	3.410	3.403	3.395	3.397	3.405	3.406
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510

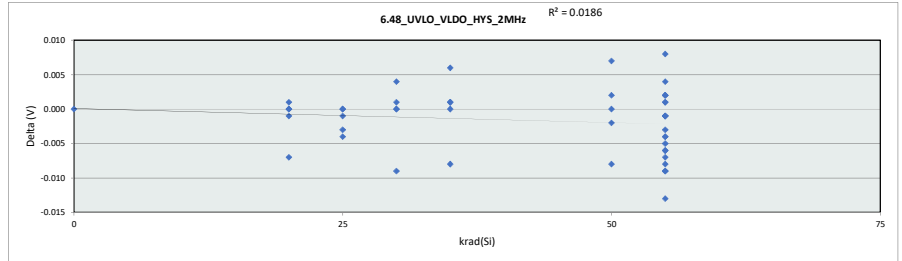


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

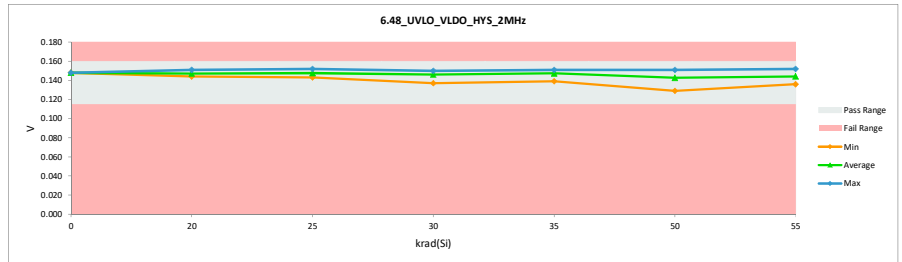
6.48_UVLO_VLDO_HYS_2MHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.16
Min Limit	0.115

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.148	0.148		0.000
25	1	0.152	0.151		-0.001
25	2	0.152	0.152		0.000
25	3	0.148	0.148		0.000
25	4	0.147	0.143		-0.004
25	5	0.147	0.144		-0.003
20	6	0.151	0.151		0.000
20	7	0.152	0.145		-0.007
20	8	0.151	0.151		0.000
20	9	0.144	0.145		0.001
20	10	0.145	0.144		-0.001
35	11	0.149	0.150		0.001
35	12	0.147	0.139		-0.008
35	13	0.145	0.151		0.006
35	14	0.149	0.150		0.001
35	15	0.147	0.147		0.000
30	16	0.143	0.144		0.001
30	17	0.150	0.150		0.000
30	18	0.146	0.150		0.004
30	19	0.146	0.137		-0.009
30	20	0.150	0.150		0.000
55	21	0.151	0.142		-0.009
55	22	0.150	0.152		0.002
55	23	0.147	0.139		-0.008
55	24	0.149	0.140		-0.009
55	25	0.152	0.145		-0.007
55	26	0.144	0.143		-0.001
55	27	0.151	0.147		-0.004
55	28	0.152	0.148		-0.004
55	29	0.151	0.145		-0.006
55	30	0.152	0.151		-0.001
55	31	0.140	0.139		-0.001
55	32	0.145	0.144		-0.001
55	33	0.149	0.150		0.001
55	34	0.146	0.143		-0.003
55	35	0.151	0.152		0.001
55	36	0.133	0.141		0.008
55	37	0.137	0.141		0.004
55	38	0.148	0.150		0.002
55	39	0.143	0.145		0.002
55	40	0.149	0.143		-0.006
55	41	0.142	0.137		-0.005
55	42	0.149	0.136		-0.013
50	43	0.137	0.144		0.007
50	44	0.147	0.145		-0.002
50	45	0.145	0.145		0.000
50	46	0.137	0.129		-0.008
50	47	0.149	0.151		0.002
	Max	0.152	0.152		0.008
	Average	0.147	0.145		-0.002
	Min	0.133	0.129		-0.013
	Std Dev	0.004	0.005		0.004



6.48_UVLO_VLDO_HYS_2MHz	
Test Site	
Tester	
Test Number	
Max Limit	0.16
Min Limit	0.115

krad(Si)	0	20	25	30	35	50	55
LL	0.115	0.115	0.115	0.115	0.115	0.115	0.115
Min	0.148	0.144	0.143	0.137	0.139	0.129	0.136
Average	0.148	0.147	0.148	0.146	0.147	0.143	0.144
Max	0.148	0.151	0.152	0.150	0.151	0.151	0.152
UL	0.160	0.160	0.160	0.160	0.160	0.160	0.160

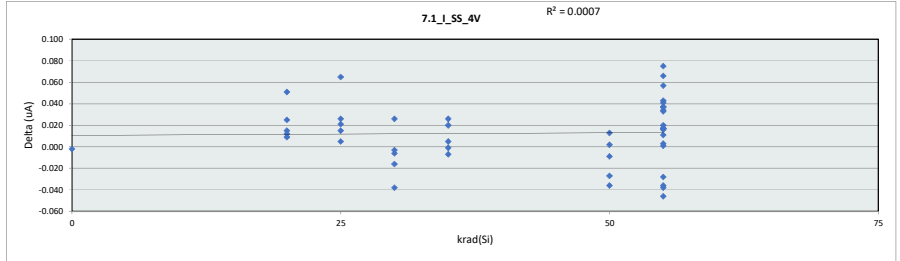


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

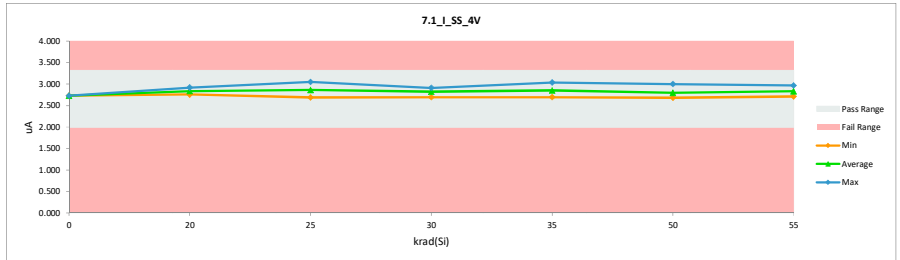
7.1_I_SS_4V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	3.32
Min Limit	1.98

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	2.731	2.729	-0.002
25	1	2.860	2.925	0.065
25	2	2.871	2.897	0.026
25	3	2.755	2.760	0.005
25	4	2.673	2.688	0.015
25	5	3.028	3.049	0.021
20	6	2.707	2.758	0.051
20	7	2.773	2.798	0.025
20	8	2.906	2.918	0.012
20	9	2.785	2.794	0.009
20	10	2.901	2.916	0.015
35	11	3.015	3.035	0.020
35	12	2.842	2.868	0.026
35	13	2.823	2.816	-0.007
35	14	2.846	2.851	0.005
35	15	2.696	2.695	-0.001
30	16	2.872	2.898	0.026
30	17	2.821	2.805	-0.016
30	18	2.819	2.813	-0.006
30	19	2.732	2.694	-0.038
30	20	2.914	2.911	-0.003
55	21	2.727	2.747	0.020
55	22	2.757	2.721	-0.036
55	23	2.923	2.940	0.017
55	24	2.683	2.749	0.066
55	25	2.934	2.968	0.034
55	26	2.700	2.711	0.011
55	27	2.815	2.832	0.017
55	28	2.887	2.924	0.037
55	29	2.712	2.715	0.003
55	30	2.857	2.819	-0.038
55	31	2.760	2.797	0.037
55	32	2.779	2.854	0.075
55	33	2.873	2.914	0.041
55	34	2.810	2.827	0.017
55	35	2.844	2.816	-0.028
55	36	2.927	2.928	0.001
55	37	2.746	2.762	0.016
55	38	2.850	2.887	0.037
55	39	2.860	2.814	-0.046
55	40	2.827	2.870	0.043
55	41	2.784	2.841	0.057
55	42	2.828	2.861	0.033
50	43	2.690	2.681	-0.009
50	44	2.777	2.779	0.002
50	45	2.710	2.723	0.013
50	46	3.035	2.999	-0.036
50	47	2.834	2.807	-0.027
Max		3.035	3.049	0.075
Average		2.819	2.831	0.013
Min		2.673	2.681	-0.046
Std Dev		0.090	0.092	0.028



7.1_I_SS_4V	
Test Site	
Tester	
Test Number	
Max Limit	3.32
Min Limit	1.98

krad(Si)	0	20	25	30	35	50	55
LL	1.980	1.980	1.980	1.980	1.980	1.980	1.980
Min	2.729	2.758	2.688	2.694	2.695	2.681	2.711
Average	2.729	2.837	2.864	2.824	2.853	2.798	2.832
Max	2.729	2.918	3.049	2.911	3.035	2.999	2.968
UL	3.320	3.320	3.320	3.320	3.320	3.320	3.320

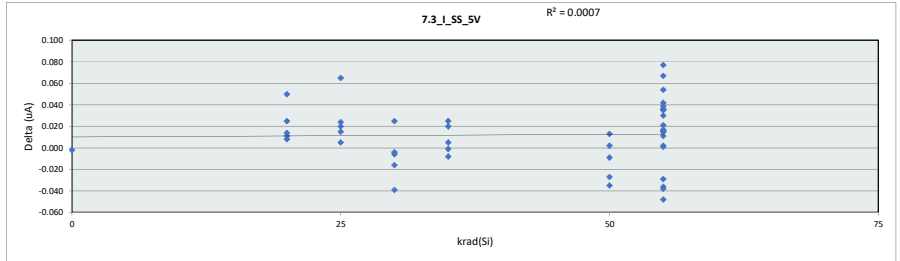


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

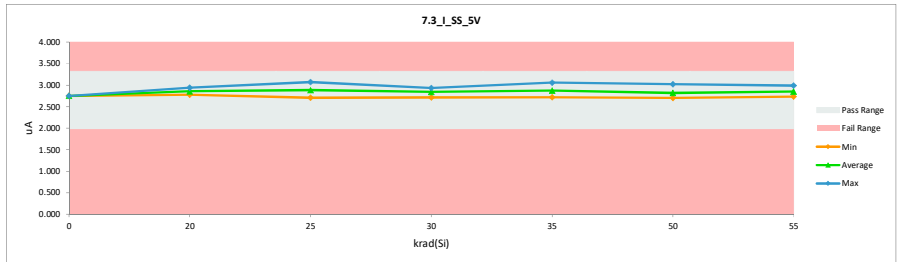
7.3_I_SS_5V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	3.32
Min Limit	1.98

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	2.753	2.751	-0.002
25	1	2.883	2.948	0.065
25	2	2.895	2.919	0.024
25	3	2.777	2.782	0.005
25	4	2.695	2.710	0.015
25	5	3.052	3.072	0.020
20	6	2.729	2.779	0.050
20	7	2.796	2.821	0.025
20	8	2.930	2.941	0.011
20	9	2.806	2.814	0.008
20	10	2.924	2.938	0.014
35	11	3.039	3.059	0.020
35	12	2.865	2.890	0.025
35	13	2.846	2.838	-0.008
35	14	2.869	2.874	0.005
35	15	2.718	2.717	-0.001
30	16	2.895	2.920	0.025
30	17	2.844	2.828	-0.016
30	18	2.841	2.835	-0.006
30	19	2.753	2.714	-0.039
30	20	2.939	2.935	-0.004
55	21	2.748	2.769	0.021
55	22	2.779	2.743	-0.036
55	23	2.946	2.962	0.016
55	24	2.703	2.770	0.067
55	25	2.956	2.991	0.035
55	26	2.723	2.734	0.011
55	27	2.839	2.854	0.015
55	28	2.911	2.947	0.036
55	29	2.736	2.738	0.002
55	30	2.879	2.841	-0.038
55	31	2.783	2.819	0.036
55	32	2.800	2.877	0.077
55	33	2.897	2.936	0.039
55	34	2.832	2.849	0.017
55	35	2.866	2.837	-0.029
55	36	2.950	2.951	0.001
55	37	2.768	2.783	0.015
55	38	2.873	2.909	0.036
55	39	2.883	2.835	-0.048
55	40	2.849	2.891	0.042
55	41	2.807	2.861	0.054
55	42	2.853	2.883	0.030
50	43	2.712	2.703	-0.009
50	44	2.800	2.802	0.002
50	45	2.731	2.744	0.013
50	46	3.059	3.024	-0.035
50	47	2.855	2.828	-0.027
Max		3.059	3.072	0.077
Average		2.841	2.853	0.012
Min		2.695	2.703	-0.048
Std Dev		0.090	0.093	0.028



7.3_I_SS_5V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	3.32
Min Limit	1.98

krad(Si)	0	20	25	30	35	50	55
LL	1.980	1.980	1.980	1.980	1.980	1.980	1.980
Min	2.751	2.779	2.710	2.714	2.717	2.703	2.734
Average	2.751	2.859	2.886	2.846	2.876	2.820	2.854
Max	2.751	2.941	3.072	2.935	3.059	3.024	2.991
UL	3.320	3.320	3.320	3.320	3.320	3.320	3.320

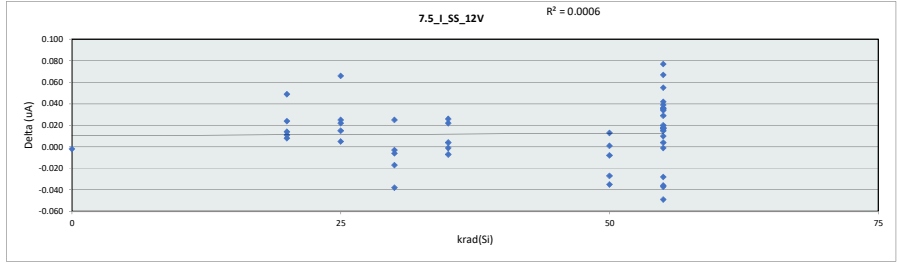


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

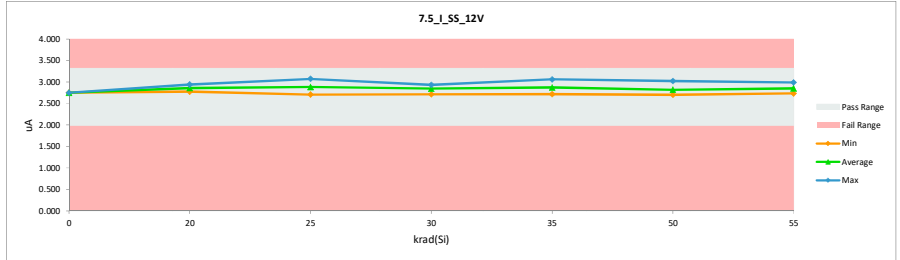
7.5_I_SS_12V	
Test Site	
Tester	
Test Number	
Unit	uA uA
Max Limit	3.32 3.32
Min Limit	1.98 1.98

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	2.754	2.752		-0.002
25	1	2.883	2.949		0.066
25	2	2.896	2.921		0.025
25	3	2.779	2.784		0.005
25	4	2.696	2.711		0.015
25	5	3.053	3.075		0.022
20	6	2.730	2.779		0.049
20	7	2.797	2.821		0.024
20	8	2.932	2.943		0.011
20	9	2.807	2.815		0.008
20	10	2.925	2.939		0.014
35	11	3.040	3.062		0.022
35	12	2.866	2.892		0.026
35	13	2.848	2.841		-0.007
35	14	2.870	2.874		0.004
35	15	2.719	2.718		-0.001
30	16	2.895	2.920		0.025
30	17	2.846	2.829		-0.017
30	18	2.841	2.835		-0.006
30	19	2.753	2.715		-0.038
30	20	2.940	2.937		-0.003
55	21	2.750	2.770		0.020
55	22	2.779	2.743		-0.036
55	23	2.947	2.964		0.017
55	24	2.705	2.772		0.067
55	25	2.957	2.991		0.034
55	26	2.724	2.734		0.010
55	27	2.839	2.856		0.017
55	28	2.912	2.947		0.035
55	29	2.736	2.740		0.004
55	30	2.879	2.842		-0.037
55	31	2.784	2.820		0.036
55	32	2.802	2.879		0.077
55	33	2.898	2.937		0.039
55	34	2.833	2.851		0.018
55	35	2.867	2.839		-0.028
55	36	2.951	2.950		-0.001
55	37	2.770	2.785		0.015
55	38	2.873	2.909		0.036
55	39	2.885	2.836		-0.049
55	40	2.850	2.892		0.042
55	41	2.808	2.863		0.055
55	42	2.855	2.884		0.029
50	43	2.712	2.704		-0.008
50	44	2.802	2.803		0.001
50	45	2.732	2.745		0.013
50	46	3.060	3.025		-0.035
50	47	2.856	2.829		-0.027
	Max	3.060	3.075		0.077
	Average	2.842	2.855		0.012
	Min	2.696	2.704		-0.049
	Std Dev	0.090	0.093		0.028



7.5_I_SS_12V	
Test Site	
Tester	
Test Number	
Unit	uA uA
Max Limit	3.32 3.32
Min Limit	1.98 1.98

krad(Si)	0	20	25	30	35	50	55
LL	1.980	1.980	1.980	1.980	1.980	1.980	1.980
Min	2.752	2.779	2.711	2.715	2.718	2.704	2.734
Average	2.752	2.859	2.888	2.847	2.877	2.821	2.855
Max	2.752	2.943	3.075	2.937	3.062	3.025	2.991
UL	3.320	3.320	3.320	3.320	3.320	3.320	3.320

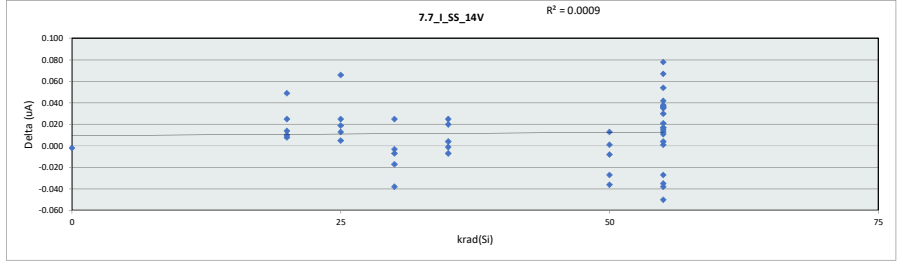


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

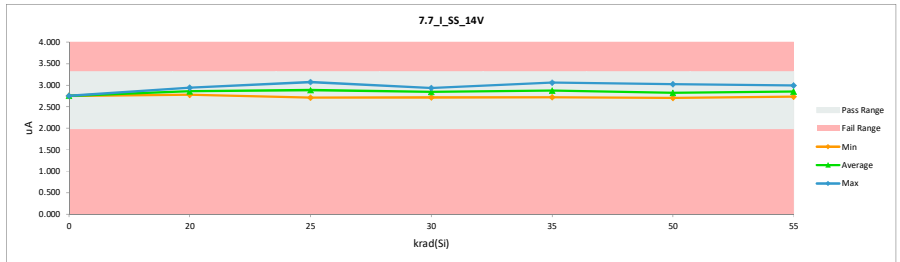
7.7_I_SS_14V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	3.32
Min Limit	1.98

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	2.754	2.752	-0.002
25	1	2.883	2.949	0.066
25	2	2.895	2.920	0.025
25	3	2.779	2.784	0.005
25	4	2.697	2.710	0.013
25	5	3.054	3.073	0.019
20	6	2.730	2.779	0.049
20	7	2.797	2.822	0.025
20	8	2.932	2.942	0.010
20	9	2.807	2.815	0.008
20	10	2.925	2.939	0.014
35	11	3.041	3.061	0.020
35	12	2.867	2.892	0.025
35	13	2.848	2.841	-0.007
35	14	2.870	2.874	0.004
35	15	2.719	2.718	-0.001
30	16	2.895	2.920	0.025
30	17	2.846	2.829	-0.017
30	18	2.842	2.835	-0.007
30	19	2.753	2.715	-0.038
30	20	2.940	2.937	-0.003
55	21	2.750	2.771	0.021
55	22	2.779	2.744	-0.035
55	23	2.947	2.964	0.017
55	24	2.704	2.771	0.067
55	25	2.958	2.993	0.035
55	26	2.723	2.734	0.011
55	27	2.840	2.855	0.015
55	28	2.912	2.948	0.036
55	29	2.736	2.740	0.004
55	30	2.880	2.842	-0.038
55	31	2.784	2.820	0.036
55	32	2.801	2.879	0.078
55	33	2.898	2.936	0.038
55	34	2.834	2.851	0.017
55	35	2.866	2.839	-0.027
55	36	2.951	2.952	0.001
55	37	2.770	2.783	0.013
55	38	2.872	2.909	0.037
55	39	2.885	2.835	-0.050
55	40	2.850	2.892	0.042
55	41	2.808	2.862	0.054
55	42	2.855	2.885	0.030
50	43	2.712	2.704	-0.008
50	44	2.802	2.803	0.001
50	45	2.732	2.745	0.013
50	46	3.060	3.024	-0.036
50	47	2.856	2.829	-0.027
Max		3.060	3.073	0.078
Average		2.842	2.855	0.012
Min		2.697	2.704	-0.050
Std Dev		0.091	0.093	0.028



7.7_I_SS_14V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	3.32
Min Limit	1.98

krad(Si)	0	20	25	30	35	50	55
LL	1.980	1.980	1.980	1.980	1.980	1.980	1.980
Min	2.752	2.779	2.710	2.715	2.718	2.704	2.734
Average	2.752	2.859	2.887	2.847	2.877	2.821	2.855
Max	2.752	2.942	3.073	2.937	3.061	3.024	2.993
UL	3.320	3.320	3.320	3.320	3.320	3.320	3.320

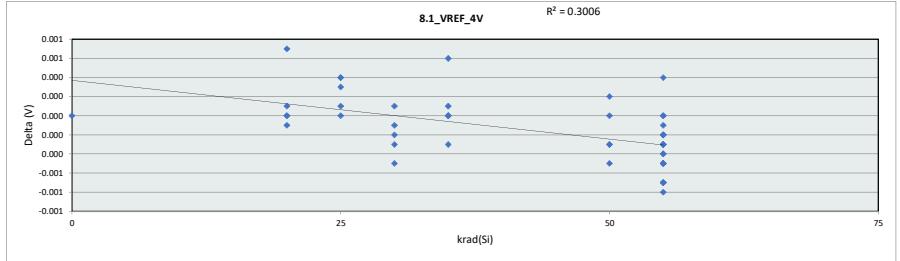


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

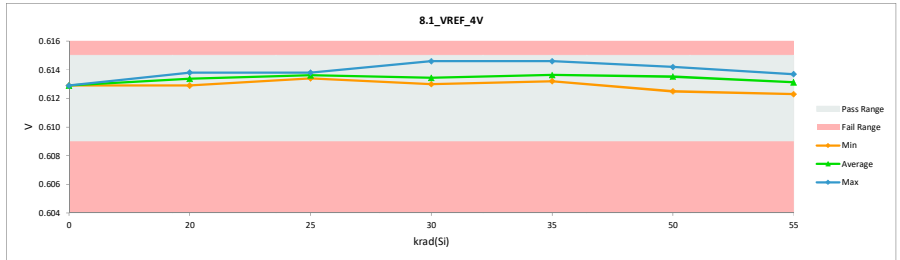
8.1_VREF_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.615
Min Limit	0.609

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.613	0.613	0.000
25	1	0.613	0.614	0.000
25	2	0.613	0.614	0.000
25	3	0.614	0.614	0.000
25	4	0.613	0.613	0.000
25	5	0.613	0.613	0.000
20	6	0.613	0.613	0.000
20	7	0.614	0.614	0.000
20	8	0.613	0.613	0.000
20	9	0.613	0.613	0.000
20	10	0.613	0.614	0.001
35	11	0.613	0.613	0.000
35	12	0.614	0.615	0.001
35	13	0.613	0.613	0.000
35	14	0.613	0.613	0.000
35	15	0.614	0.614	0.000
30	16	0.613	0.613	0.000
30	17	0.613	0.613	0.000
30	18	0.614	0.615	0.000
30	19	0.613	0.613	0.000
30	20	0.613	0.613	-0.001
55	21	0.614	0.613	0.000
55	22	0.613	0.613	0.000
55	23	0.613	0.612	-0.001
55	24	0.614	0.614	0.000
55	25	0.614	0.613	0.000
55	26	0.614	0.613	0.000
55	27	0.613	0.613	0.000
55	28	0.613	0.613	0.000
55	29	0.613	0.613	0.000
55	30	0.614	0.613	0.000
55	31	0.613	0.613	0.000
55	32	0.614	0.613	-0.001
55	33	0.613	0.613	0.000
55	34	0.614	0.613	-0.001
55	35	0.613	0.612	0.000
55	36	0.614	0.613	0.000
55	37	0.614	0.613	-0.001
55	38	0.614	0.614	0.000
55	39	0.614	0.613	-0.001
55	40	0.613	0.614	0.000
55	41	0.613	0.613	0.000
55	42	0.613	0.613	0.000
50	43	0.614	0.613	0.000
50	44	0.613	0.613	0.000
50	45	0.614	0.613	0.000
50	46	0.614	0.614	0.000
50	47	0.614	0.614	0.000
	Max	0.614	0.615	0.001
	Average	0.613	0.613	0.000
	Min	0.613	0.612	-0.001
	Std Dev	0.000	0.000	0.000



8.1_VREF_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.615
Min Limit	0.609

krad(Si)	0	20	25	30	35	50	55
LL	0.609	0.609	0.609	0.609	0.609	0.609	0.609
Min	0.613	0.613	0.613	0.613	0.613	0.613	0.613
Average	0.613	0.613	0.614	0.613	0.614	0.614	0.613
Max	0.613	0.614	0.614	0.615	0.615	0.614	0.614
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615

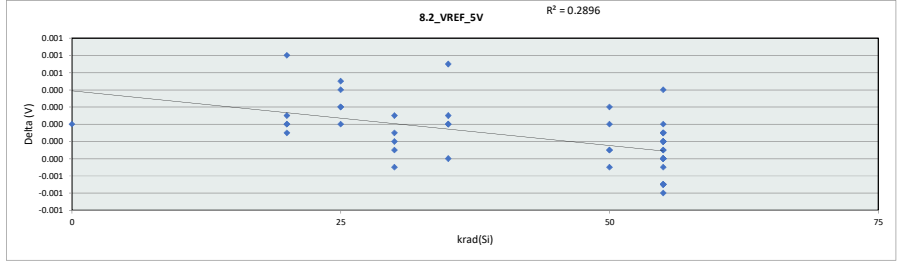


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

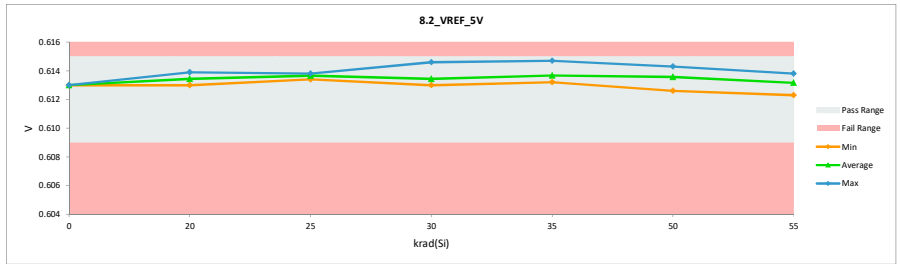
8.2_VREF_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.615
Min Limit	0.609

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.613	0.613	0.000
25	1	0.613	0.614	0.000
25	2	0.613	0.614	0.000
25	3	0.614	0.614	0.000
25	4	0.613	0.614	0.000
25	5	0.613	0.613	0.000
20	6	0.613	0.613	0.000
20	7	0.614	0.614	0.000
20	8	0.613	0.613	0.000
20	9	0.613	0.613	0.000
20	10	0.613	0.614	0.001
35	11	0.613	0.613	0.000
35	12	0.614	0.615	0.001
35	13	0.613	0.613	0.000
35	14	0.614	0.613	0.000
35	15	0.614	0.614	0.000
30	16	0.613	0.613	0.000
30	17	0.613	0.613	0.000
30	18	0.614	0.615	0.000
30	19	0.613	0.613	0.000
30	20	0.613	0.613	-0.001
55	21	0.614	0.613	0.000
55	22	0.613	0.613	0.000
55	23	0.613	0.612	-0.001
55	24	0.614	0.614	0.000
55	25	0.614	0.613	0.000
55	26	0.614	0.613	0.000
55	27	0.613	0.613	-0.001
55	28	0.613	0.613	0.000
55	29	0.613	0.613	0.000
55	30	0.614	0.613	0.000
55	31	0.613	0.613	0.000
55	32	0.614	0.613	0.000
55	33	0.613	0.613	0.000
55	34	0.614	0.613	-0.001
55	35	0.613	0.612	0.000
55	36	0.614	0.613	0.000
55	37	0.614	0.613	-0.001
55	38	0.614	0.614	0.000
55	39	0.614	0.613	-0.001
55	40	0.613	0.614	0.000
55	41	0.613	0.613	0.000
55	42	0.614	0.613	0.000
50	43	0.614	0.613	0.000
50	44	0.613	0.613	0.000
50	45	0.614	0.614	0.000
50	46	0.614	0.614	0.000
50	47	0.614	0.614	0.000
Max		0.614	0.615	0.001
Average		0.614	0.613	0.000
Min		0.613	0.612	-0.001
Std Dev		0.000	0.000	0.000



8.2_VREF_5V	
Test Site	
Tester	
Test Number	
Max Limit	0.615
Min Limit	0.609

krad(Si)	0	20	25	30	35	50	55
LL	0.609	0.609	0.609	0.609	0.609	0.609	0.609
Min	0.613	0.613	0.613	0.613	0.613	0.613	0.612
Average	0.613	0.613	0.614	0.613	0.614	0.614	0.613
Max	0.613	0.614	0.614	0.615	0.615	0.614	0.614
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615

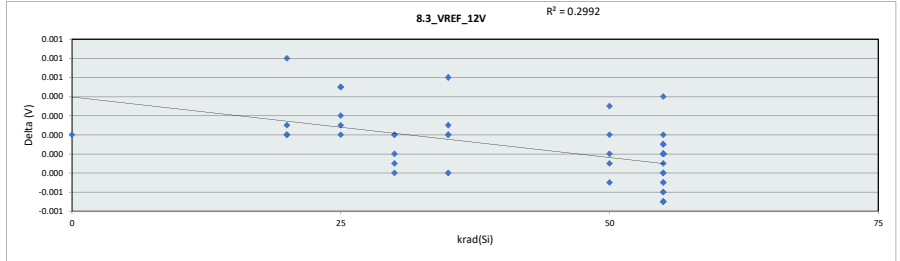


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

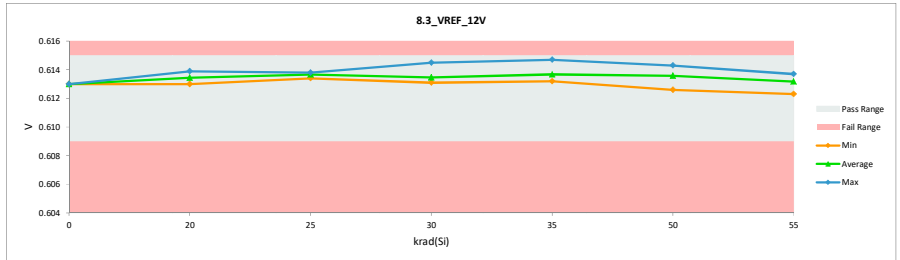
8.3_VREF_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.615
Min Limit	0.609

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.613	0.613	0.000
25	1	0.613	0.614	0.000
25	2	0.613	0.614	0.000
25	3	0.614	0.614	0.000
25	4	0.613	0.614	0.001
25	5	0.613	0.613	0.000
20	6	0.613	0.613	0.000
20	7	0.614	0.614	0.000
20	8	0.613	0.613	0.000
20	9	0.613	0.613	0.000
20	10	0.613	0.614	0.001
35	11	0.613	0.613	0.000
35	12	0.614	0.615	0.001
35	13	0.613	0.613	0.000
35	14	0.614	0.613	0.000
35	15	0.614	0.614	0.000
30	16	0.613	0.613	0.000
30	17	0.613	0.613	0.000
30	18	0.614	0.614	0.000
30	19	0.613	0.613	0.000
30	20	0.613	0.613	0.000
55	21	0.614	0.613	0.000
55	22	0.613	0.613	0.000
55	23	0.613	0.612	-0.001
55	24	0.614	0.614	0.000
55	25	0.614	0.613	0.000
55	26	0.614	0.613	0.000
55	27	0.613	0.613	-0.001
55	28	0.613	0.613	0.000
55	29	0.613	0.613	0.000
55	30	0.614	0.613	0.000
55	31	0.613	0.613	0.000
55	32	0.614	0.613	-0.001
55	33	0.613	0.613	0.000
55	34	0.614	0.613	-0.001
55	35	0.613	0.612	-0.001
55	36	0.614	0.613	0.000
55	37	0.614	0.613	-0.001
55	38	0.614	0.614	0.000
55	39	0.614	0.613	-0.001
55	40	0.613	0.614	0.000
55	41	0.613	0.613	0.000
55	42	0.614	0.613	0.000
50	43	0.614	0.613	0.000
50	44	0.613	0.613	0.000
50	45	0.614	0.614	0.000
50	46	0.614	0.614	0.000
50	47	0.614	0.614	0.000
Max		0.614	0.615	0.001
Average		0.614	0.613	0.000
Min		0.613	0.612	-0.001
Std Dev		0.000	0.000	0.000



8.3_VREF_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.615
Min Limit	0.609

krad(Si)	0	20	25	30	35	50	55
LL	0.609	0.609	0.609	0.609	0.609	0.609	0.609
Min	0.613	0.613	0.613	0.613	0.613	0.613	0.613
Average	0.613	0.613	0.614	0.613	0.614	0.614	0.613
Max	0.613	0.614	0.614	0.615	0.615	0.614	0.614
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615

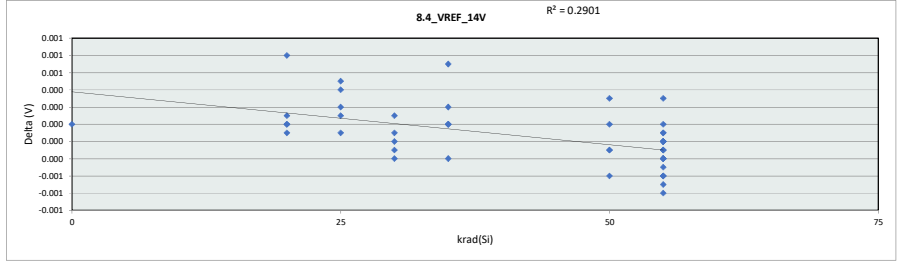


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

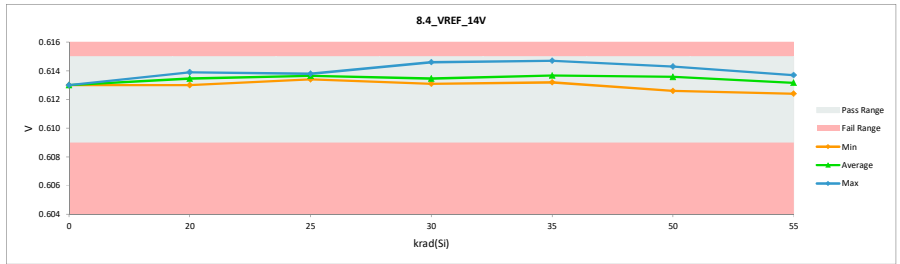
8.4_VREF_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.615
Min Limit	0.609

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.613	0.613	0.000
25	1	0.613	0.614	0.000
25	2	0.613	0.614	0.000
25	3	0.614	0.614	0.000
25	4	0.613	0.614	0.000
25	5	0.613	0.613	0.000
20	6	0.613	0.613	0.000
20	7	0.614	0.614	0.000
20	8	0.613	0.613	0.000
20	9	0.613	0.613	0.000
20	10	0.613	0.614	0.001
35	11	0.613	0.613	0.000
35	12	0.614	0.615	0.001
35	13	0.613	0.613	0.000
35	14	0.614	0.613	0.000
35	15	0.614	0.614	0.000
30	16	0.613	0.613	0.000
30	17	0.613	0.613	0.000
30	18	0.614	0.615	0.000
30	19	0.613	0.613	0.000
30	20	0.613	0.613	0.000
55	21	0.614	0.613	0.000
55	22	0.613	0.613	0.000
55	23	0.613	0.612	-0.001
55	24	0.614	0.614	0.000
55	25	0.614	0.613	0.000
55	26	0.614	0.613	0.000
55	27	0.613	0.613	-0.001
55	28	0.613	0.613	0.000
55	29	0.613	0.613	0.000
55	30	0.614	0.613	0.000
55	31	0.613	0.613	0.000
55	32	0.614	0.613	0.000
55	33	0.613	0.613	0.000
55	34	0.614	0.613	-0.001
55	35	0.613	0.612	0.000
55	36	0.614	0.613	0.000
55	37	0.614	0.613	-0.001
55	38	0.614	0.614	0.000
55	39	0.614	0.613	-0.001
55	40	0.613	0.614	0.000
55	41	0.613	0.613	0.000
55	42	0.614	0.613	0.000
50	43	0.614	0.613	-0.001
50	44	0.613	0.613	0.000
50	45	0.614	0.614	0.000
50	46	0.614	0.614	0.000
50	47	0.614	0.614	0.000
Max		0.614	0.615	0.001
Average		0.614	0.613	0.000
Min		0.613	0.612	-0.001
Std Dev		0.000	0.000	0.000



8.4_VREF_14V	
Test Site	
Tester	
Test Number	
Max Limit	0.615
Min Limit	0.609

krad(Si)	0	20	25	30	35	50	55
LL	0.609	0.609	0.609	0.609	0.609	0.609	0.609
Min	0.613	0.613	0.613	0.613	0.613	0.613	0.612
Average	0.613	0.613	0.614	0.613	0.614	0.614	0.613
Max	0.613	0.614	0.614	0.615	0.615	0.614	0.614
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615

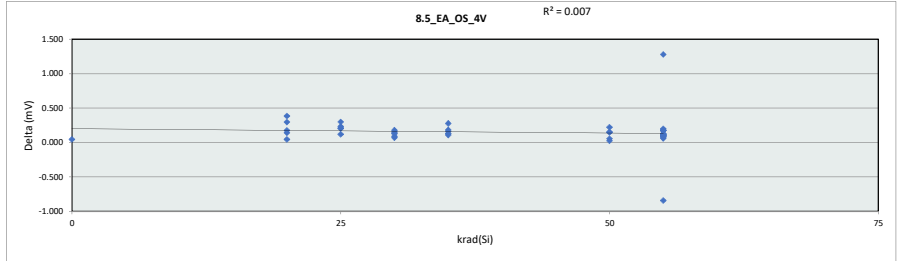


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

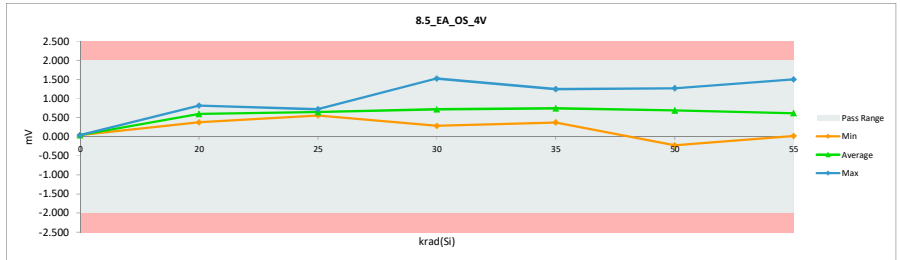
8.5_EA_OS_4V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	2 2
Min Limit	-2 -2

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	-0.002	0.041		0.044
25	1	0.449	0.681		0.232
25	2	0.360	0.659		0.299
25	3	0.509	0.720		0.211
25	4	0.354	0.556		0.201
25	5	0.490	0.609		0.119
20	6	0.675	0.816		0.141
20	7	0.517	0.562		0.045
20	8	0.394	0.571		0.176
20	9	0.081	0.378		0.297
20	10	0.284	0.668		0.384
35	11	0.690	0.872		0.182
35	12	0.972	1.247		0.276
35	13	0.210	0.372		0.162
35	14	0.409	0.537		0.128
35	15	0.581	0.689		0.108
30	16	0.428	0.497		0.069
30	17	0.489	0.618		0.129
30	18	1.346	1.524		0.178
30	19	0.132	0.283		0.151
30	20	0.587	0.676		0.090
55	21	0.552	0.644		0.092
55	22	-0.179	0.018		0.197
55	23	0.140	0.233		0.093
55	24	0.567	0.683		0.116
55	25	0.524	0.627		0.103
55	26	0.739	0.807		0.068
55	27	0.140	0.316		0.176
55	28	0.233	0.359		0.126
55	29	0.209	0.315		0.106
55	30	0.589	0.709		0.120
55	31	0.108	0.195		0.087
55	32	0.531	0.620		0.089
55	33	0.217	0.323		0.106
55	34	1.125	1.241		0.116
55	35	0.070	0.196		0.125
55	36	0.840	0.899		0.059
55	37	0.986	1.089		0.103
55	38	0.536	0.709		0.173
55	39	1.334	0.490		-0.844
55	40	0.221	1.500		1.278
55	41	0.418	0.595		0.177
55	42	0.805	0.975		0.171
50	43	0.735	0.790		0.055
50	44	-0.381	-0.227		0.153
50	45	0.832	0.978		0.146
50	46	1.048	1.268		0.220
50	47	0.619	0.642		0.023
	Max	1.346	1.524		1.278
	Average	0.490	0.637		0.147
	Min	-0.381	-0.227		-0.844
	Std Dev	0.358	0.360		0.231



8.5_EA_OS_4V	
Test Site	
Tester	
Test Number	
Max Limit	2 mV
Min Limit	-2 mV

krad(Si)	0	20	25	30	35	50	55
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.042	0.378	0.556	0.283	0.372	-0.227	0.018
Average	0.042	0.599	0.645	0.720	0.744	0.690	0.616
Max	0.042	0.816	0.720	1.524	1.248	1.269	1.500
UL	2.000	2.000	2.000	2.000	2.000	2.000	2.000

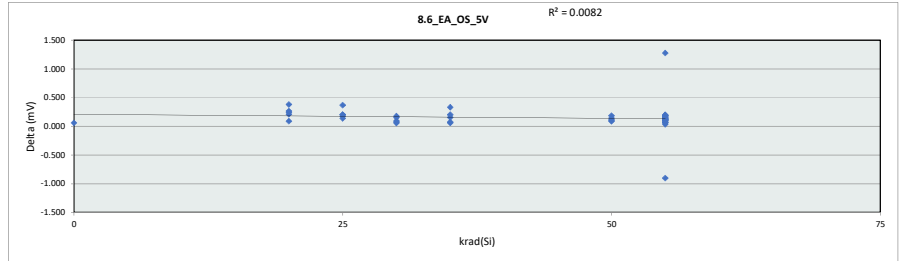


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

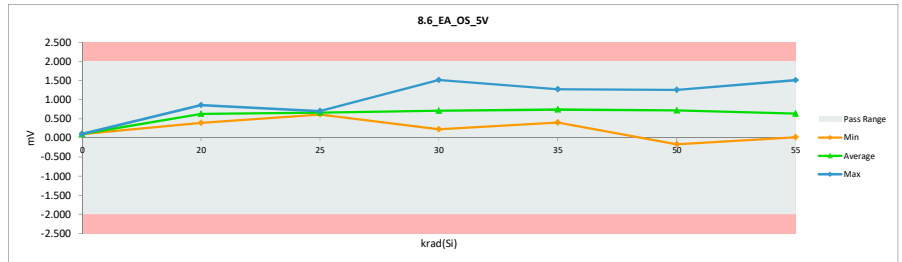
8.6_EA_OS_5V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	2 2
Min Limit	-2 -2

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.047	0.102		0.056
25	1	0.486	0.687		0.201
25	2	0.331	0.696		0.366
25	3	0.484	0.683		0.199
25	4	0.443	0.615		0.172
25	5	0.475	0.611		0.136
20	6	0.650	0.857		0.207
20	7	0.499	0.584		0.085
20	8	0.350	0.591		0.241
20	9	0.129	0.391		0.263
20	10	0.310	0.688		0.378
35	11	0.665	0.864		0.199
35	12	0.941	1.270		0.330
35	13	0.246	0.399		0.153
35	14	0.436	0.495		0.059
35	15	0.601	0.672		0.070
30	16	0.431	0.521		0.090
30	17	0.485	0.660		0.175
30	18	1.362	1.512		0.150
30	19	0.153	0.223		0.071
30	20	0.587	0.641		0.054
55	21	0.569	0.687		0.118
55	22	-0.090	0.015		0.105
55	23	0.153	0.269		0.116
55	24	0.573	0.721		0.148
55	25	0.539	0.572		0.033
55	26	0.724	0.849		0.124
55	27	0.197	0.261		0.063
55	28	0.230	0.412		0.181
55	29	0.243	0.317		0.074
55	30	0.559	0.736		0.177
55	31	0.188	0.282		0.094
55	32	0.530	0.691		0.162
55	33	0.243	0.376		0.133
55	34	1.130	1.226		0.095
55	35	0.075	0.221		0.147
55	36	0.791	0.917		0.125
55	37	1.020	1.079		0.059
55	38	0.521	0.712		0.192
55	39	1.379	0.475		-0.904
55	40	0.232	1.507		1.275
55	41	0.460	0.656		0.197
55	42	0.812	0.988		0.176
50	43	0.719	0.804		0.084
50	44	-0.353	-0.171		0.182
50	45	0.866	0.978		0.112
50	46	1.112	1.253		0.141
50	47	0.622	0.718		0.096
	Max	1.379	1.512		1.275
	Average	0.503	0.652		0.149
	Min	-0.353	-0.171		-0.904
	Std Dev	0.349	0.353		0.237



8.6_EA_OS_5V	
Test Site	
Tester	
Test Number	
Max Limit	2 mV
Min Limit	-2 mV

krad(Si)	0	20	25	30	35	50	55
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.103	0.392	0.611	0.223	0.399	-0.171	0.015
Average	0.103	0.622	0.659	0.711	0.740	0.716	0.635
Max	0.103	0.857	0.696	1.512	1.271	1.253	1.507
UL	2.000	2.000	2.000	2.000	2.000	2.000	2.000

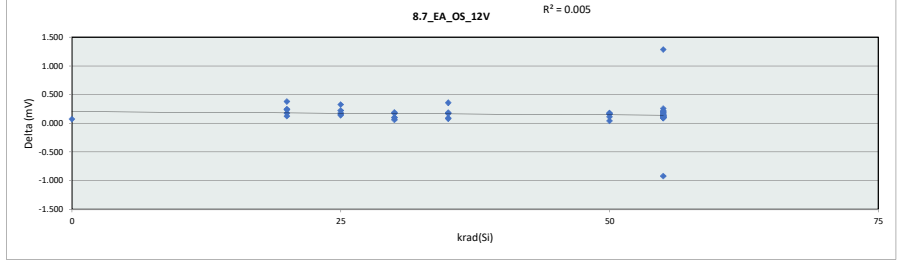


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

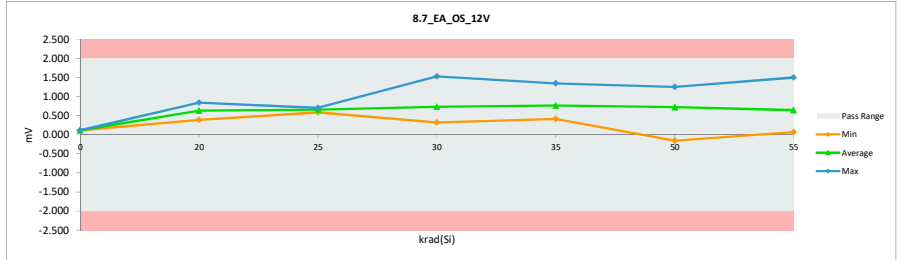
8.7_EA_OS_12V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	2 2
Min Limit	-2 -2

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.044	0.115		0.072
25	1	0.510	0.687		0.177
25	2	0.379	0.703		0.325
25	3	0.518	0.656		0.138
25	4	0.363	0.583		0.221
25	5	0.490	0.644		0.154
20	6	0.666	0.839		0.174
20	7	0.484	0.607		0.123
20	8	0.363	0.607		0.244
20	9	0.151	0.387		0.236
20	10	0.319	0.697		0.378
35	11	0.687	0.868		0.181
35	12	0.989	1.344		0.355
35	13	0.247	0.413		0.166
35	14	0.456	0.543		0.087
35	15	0.566	0.644		0.078
30	16	0.415	0.473		0.058
30	17	0.476	0.663		0.187
30	18	1.359	1.527		0.168
30	19	0.221	0.322		0.101
30	20	0.584	0.678		0.094
55	21	0.563	0.702		0.139
55	22	-0.093	0.069		0.162
55	23	0.132	0.260		0.128
55	24	0.559	0.709		0.150
55	25	0.513	0.622		0.109
55	26	0.711	0.845		0.135
55	27	0.208	0.301		0.093
55	28	0.234	0.417		0.184
55	29	0.235	0.325		0.089
55	30	0.543	0.747		0.204
55	31	0.161	0.271		0.111
55	32	0.569	0.662		0.094
55	33	0.277	0.380		0.103
55	34	1.139	1.240		0.101
55	35	0.091	0.186		0.095
55	36	0.847	0.965		0.118
55	37	0.970	1.100		0.130
55	38	0.504	0.721		0.217
55	39	1.388	0.465		-0.923
55	40	0.216	1.500		1.284
55	41	0.404	0.658		0.254
55	42	0.809	0.988		0.179
50	43	0.760	0.799		0.040
50	44	-0.338	-0.159		0.179
50	45	0.825	0.990		0.165
50	46	1.096	1.253		0.157
50	47	0.605	0.716		0.111
	Max	1.388	1.527		1.284
	Average	0.504	0.661		0.157
	Min	-0.338	-0.159		-0.923
	Std Dev	0.348	0.353		0.238



8.7_EA_OS_12V	
Test Site	
Tester	
Test Number	
Max Limit	2 mV
Min Limit	-2 mV

krad(Si)	0	20	25	30	35	50	55
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.115	0.387	0.583	0.322	0.413	-0.159	0.069
Average	0.115	0.627	0.655	0.733	0.762	0.720	0.642
Max	0.115	0.839	0.704	1.527	1.344	1.253	1.500
UL	2.000	2.000	2.000	2.000	2.000	2.000	2.000

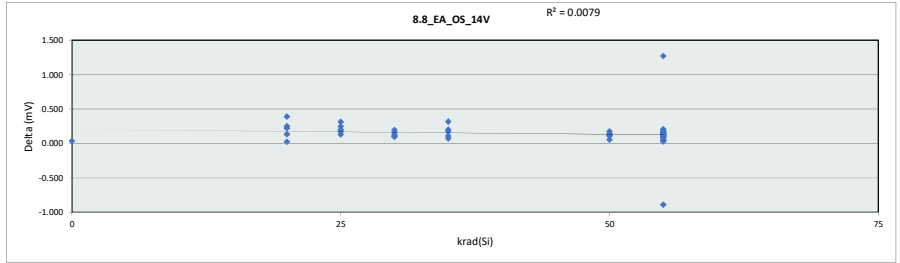


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

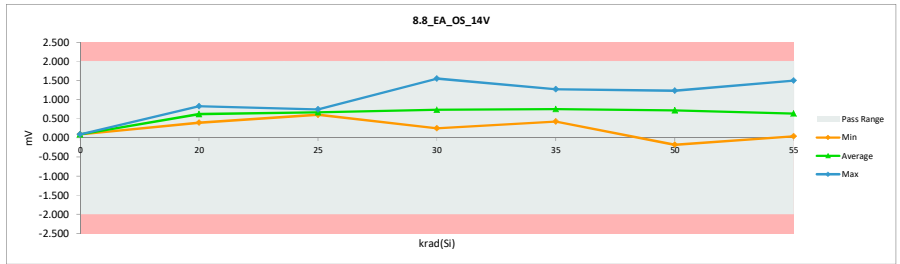
8.8_EA_OS_14V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	2 2
Min Limit	-2 -2

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.057	0.091		0.034
25	1	0.494	0.741		0.248
25	2	0.370	0.683		0.313
25	3	0.516	0.687		0.171
25	4	0.406	0.604		0.198
25	5	0.504	0.635		0.131
20	6	0.691	0.825		0.133
20	7	0.559	0.584		0.025
20	8	0.398	0.618		0.221
20	9	0.146	0.396		0.251
20	10	0.295	0.686		0.391
35	11	0.712	0.884		0.172
35	12	0.953	1.271		0.317
35	13	0.225	0.425		0.201
35	14	0.437	0.546		0.109
35	15	0.546	0.619		0.073
30	16	0.439	0.534		0.095
30	17	0.502	0.629		0.127
30	18	1.356	1.551		0.195
30	19	0.140	0.248		0.109
30	20	0.530	0.694		0.164
55	21	0.588	0.720		0.132
55	22	-0.099	0.040		0.139
55	23	0.124	0.261		0.137
55	24	0.605	0.712		0.107
55	25	0.556	0.608		0.052
55	26	0.747	0.854		0.107
55	27	0.200	0.244		0.045
55	28	0.250	0.401		0.151
55	29	0.220	0.249		0.029
55	30	0.555	0.762		0.206
55	31	0.185	0.267		0.081
55	32	0.508	0.676		0.167
55	33	0.280	0.382		0.103
55	34	1.119	1.232		0.113
55	35	0.072	0.186		0.114
55	36	0.862	0.952		0.090
55	37	0.934	1.099		0.165
55	38	0.553	0.717		0.164
55	39	1.382	0.492		-0.890
55	40	0.229	1.497		1.269
55	41	0.454	0.643		0.189
55	42	0.878	0.966		0.089
50	43	0.764	0.817		0.053
50	44	-0.326	-0.183		0.143
50	45	0.880	0.989		0.109
50	46	1.059	1.234		0.175
50	47	0.610	0.729		0.118
Max		1.382	1.551		1.269
Average		0.510	0.656		0.146
Min		-0.326	-0.183		-0.890
Std Dev		0.348	0.357		0.235



8.8_EA_OS_14V	
Test Site	
Tester	
Test Number	
Max Limit	2 mV
Min Limit	-2 mV

krad(Si)	0	20	25	30	35	50	55
LL	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000
Min	0.091	0.396	0.604	0.248	0.425	-0.183	0.040
Average	0.091	0.622	0.670	0.731	0.749	0.717	0.634
Max	0.091	0.825	0.741	1.551	1.271	1.234	1.497
UL	2.000	2.000	2.000	2.000	2.000	2.000	2.000

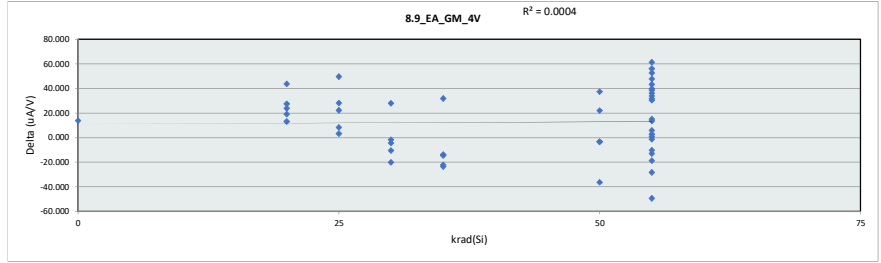


HDR TID Report TP57H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

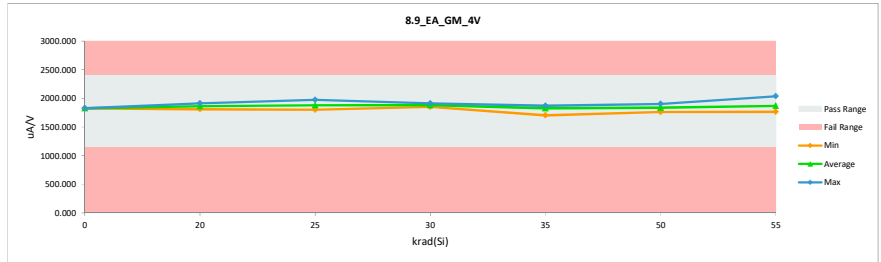
8.9_EA_GM_4V	
Test Site	
Tester	
Test Number	
Unit	uA/V
Max Limit	2400
Min Limit	1150

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	1812.675	1826.320	13.645
25	1	1928.914	1956.937	28.023
25	2	1828.639	1850.758	22.119
25	3	1797.190	1800.401	3.211
25	4	1798.683	1806.858	8.175
25	5	1925.616	1975.149	49.533
20	6	1767.018	1810.582	43.564
20	7	1885.727	1913.013	27.286
20	8	1858.354	1871.329	12.975
20	9	1868.994	1887.934	18.940
20	10	1814.587	1838.428	23.841
35	11	1885.578	1871.653	-13.925
35	12	1786.311	1818.018	31.707
35	13	1893.783	1870.172	-23.611
35	14	1890.231	1867.975	-22.256
35	15	1718.616	1704.058	-14.558
30	16	1898.487	1887.934	-10.553
30	17	1894.425	1889.954	-4.471
30	18	1842.122	1869.953	27.831
30	19	1855.015	1853.293	-1.722
30	20	1932.725	1912.457	-20.268
55	21	1853.713	1852.321	-1.392
55	22	1802.684	1774.203	-28.481
55	23	1865.441	1867.985	2.544
55	24	1767.260	1806.858	39.598
55	25	1827.852	1841.313	13.461
55	26	1853.713	1901.338	47.625
55	27	1770.215	1806.264	36.049
55	28	1977.023	2038.172	61.149
55	29	1764.927	1765.521	0.594
55	30	1907.705	1858.148	-49.557
55	31	1787.663	1818.008	30.345
55	32	1888.157	1931.257	43.100
55	33	1856.308	1887.934	31.626
55	34	1789.923	1779.566	-10.357
55	35	1784.687	1790.391	5.704
55	36	1936.250	1970.012	33.762
55	37	1808.221	1795.055	-13.166
55	38	1936.764	1951.736	14.972
55	39	1853.713	1906.274	52.561
55	40	1888.805	1869.953	-18.852
55	41	1968.210	2024.180	55.970
55	42	1825.545	1864.032	38.487
50	43	1763.739	1760.076	-3.663
50	44	1759.651	1796.940	37.289
50	45	1842.132	1864.032	21.900
50	46	1940.247	1903.798	-36.449
50	47	1865.451	1862.076	-3.375
Max		1977.023	2038.172	61.149
Average		1849.369	1861.888	12.519
Min		1718.616	1704.058	-49.557
Std Dev		61.789	67.221	26.390



8.9_EA_GM_4V	
Test Site	
Tester	
Test Number	
Max Limit	2400 uA/V
Min Limit	1150 uA/V

krad(Si)	0	20	25	30	35	50	55
LL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min	1826.320	1810.582	1800.401	1853.293	1704.058	1760.076	1765.521
Average	1826.320	1864.257	1878.021	1882.718	1826.375	1837.384	1868.206
Max	1826.320	1913.013	1975.149	1912.457	1871.653	1903.798	2038.172
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000

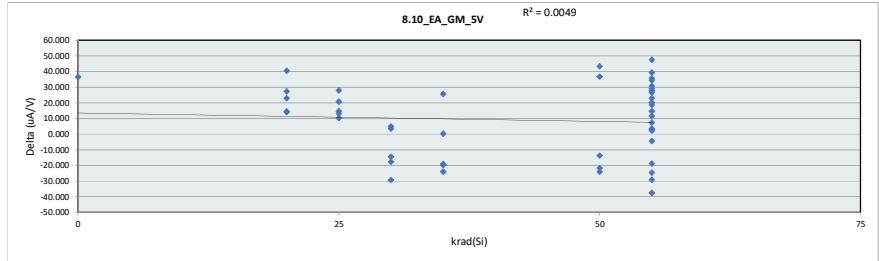


HDR TID Report TP57H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

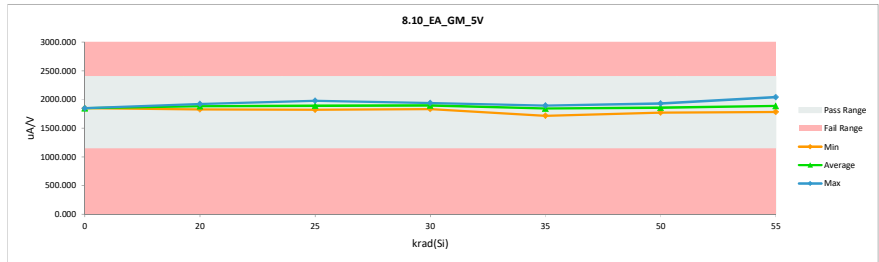
8.10_EA_GM_5V	
Test Site	
Tester	
Test Number	
Unit	uA/V
Max Limit	2400
Min Limit	1150

krad(Si)	Serial #	006_SEP_Pre	HD	006_SEP_Post	Delta
0	48	1811.550		1848.077	36.527
25	1	1943.157		1953.326	10.169
25	2	1849.473		1864.032	14.559
25	3	1806.644		1819.704	13.060
25	4	1819.961		1840.737	20.776
25	5	1950.998		1978.842	27.844
20	6	1786.987		1827.404	40.417
20	7	1907.705		1922.174	14.469
20	8	1874.560		1888.646	14.086
20	9	1895.763		1918.679	22.916
20	10	1825.029		1852.311	27.282
35	11	1904.965		1885.250	-19.715
35	12	1797.199		1822.838	25.639
35	13	1893.741		1894.008	0.267
35	14	1918.065		1894.008	-24.057
35	15	1736.538		1717.305	-19.233
30	16	1935.613		1917.911	-17.702
30	17	1910.790		1915.667	4.877
30	18	1896.309		1881.898	-14.411
30	19	1861.756		1832.414	-29.342
30	20	1934.129		1937.614	3.485
55	21	1850.809		1858.158	7.349
55	22	1809.576		1784.953	-24.623
55	23	1889.358		1924.953	35.595
55	24	1790.744		1825.049	34.305
55	25	1836.385		1864.042	27.657
55	26	1889.358		1915.852	26.494
55	27	1803.468		1822.224	18.756
55	28	2011.886		2042.602	30.716
55	29	1782.402		1785.874	3.472
55	30	1906.816		1887.923	-18.893
55	31	1823.333		1852.321	28.988
55	32	1911.215		1950.454	39.239
55	33	1871.183		1918.679	47.496
55	34	1805.769		1801.329	-4.440
55	35	1825.019		1795.843	-29.176
55	36	1960.356		1983.287	22.931
55	37	1829.986		1832.154	2.168
55	38	1950.544		1953.679	3.135
55	39	1895.441		1915.535	20.094
55	40	1919.447		1881.898	-37.549
55	41	2010.765		2025.341	14.576
55	42	1858.384		1869.963	11.579
50	43	1785.114		1771.290	-13.824
50	44	1774.653		1818.018	43.365
50	45	1869.588		1906.264	36.676
50	46	1951.929		1930.213	-21.716
50	47	1890.135		1866.011	-24.124
	Max	2011.886		2042.602	47.496
	Average	1870.096		1879.099	9.003
	Min	1736.538		1717.305	-37.549
	Std Dev	63.554		65.579	22.958



8.10_EA_GM_5V	
Test Site	
Tester	
Test Number	
Max Limit	2400 uA/V
Min Limit	1150 uA/V

krad(Si)	0	20	25	30	35	50	55
LL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min	1848.077	1827.404	1819.704	1832.414	1717.305	1771.290	1784.953
Average	1848.077	1881.843	1891.328	1897.101	1842.682	1858.359	1886.005
Max	1848.077	1922.174	1978.842	1937.614	1894.008	1930.213	2042.602
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000

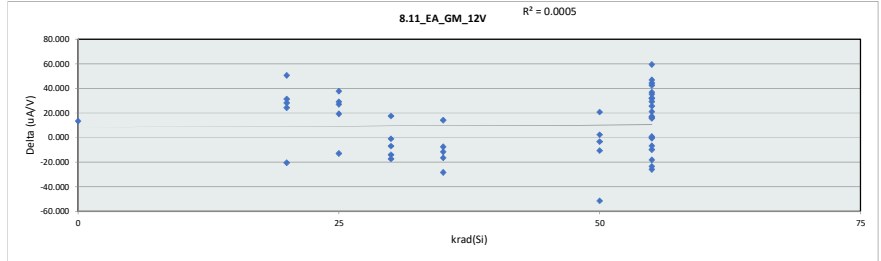


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

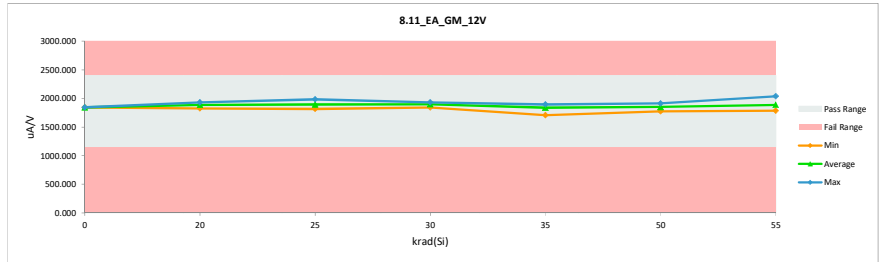
8.11_EA_GM_12V	
Test Site	
Tester	
Test Number	
Unit	uA/V
Max Limit	2400
Min Limit	1150

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	1830.684	1843.944	13.260
25	1	1939.081	1976.627	37.546
25	2	1838.992	1858.158	19.166
25	3	1828.619	1815.529	-13.090
25	4	1809.167	1836.134	26.967
25	5	1954.623	1983.662	29.039
20	6	1801.580	1825.764	24.184
20	7	1897.263	1928.393	31.130
20	8	1866.520	1894.617	28.097
20	9	1920.755	1900.121	-20.634
20	10	1838.116	1888.688	50.572
35	11	1891.371	1883.694	-7.677
35	12	1806.615	1820.563	13.948
35	13	1900.014	1883.419	-16.595
35	14	1905.679	1894.008	-11.671
35	15	1733.766	1705.158	-28.608
30	16	1928.682	1911.084	-17.598
30	17	1928.294	1914.158	-14.136
30	18	1887.711	1886.596	-1.115
30	19	1847.904	1840.737	-7.167
30	20	1913.896	1931.268	17.372
55	21	1848.953	1869.953	21.000
55	22	1808.133	1784.459	-23.674
55	23	1883.324	1912.446	29.122
55	24	1780.917	1812.979	32.062
55	25	1857.284	1847.335	-9.949
55	26	1883.324	1925.737	42.413
55	27	1789.407	1826.211	36.804
55	28	1978.142	2037.541	59.399
55	29	1788.892	1788.759	-0.133
55	30	1888.614	1887.934	-0.680
55	31	1826.907	1842.466	15.559
55	32	1910.170	1956.926	46.756
55	33	1877.329	1912.457	35.128
55	34	1803.372	1804.099	0.727
55	35	1802.693	1795.843	-6.850
55	36	1939.081	1983.287	44.206
55	37	1834.478	1816.148	-18.330
55	38	1939.776	1965.236	25.460
55	39	1877.329	1909.094	31.765
55	40	1913.918	1887.934	-25.984
55	41	2008.947	2026.063	17.116
55	42	1841.687	1858.158	16.471
50	43	1784.364	1773.621	-10.743
50	44	1791.739	1812.411	20.672
50	45	1855.394	1857.561	2.167
50	46	1964.120	1912.446	-51.674
50	47	1895.431	1891.979	-3.452
Max		2008.947	2037.541	59.399
Average		1867.564	1877.529	9.966
Min		1733.766	1705.158	-51.674
Std Dev		60.120	67.140	24.576



8.11_EA_GM_12V	
Test Site	
Tester	
Test Number	
Max Limit	2400 uA/V
Min Limit	1150 uA/V

krad(Si)	0	20	25	30	35	50	55
LL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min	1843.944	1825.764	1815.529	1840.737	1705.158	1773.621	1784.459
Average	1843.944	1887.517	1894.022	1896.769	1837.368	1849.604	1884.139
Max	1843.944	1928.393	1983.662	1931.268	1894.008	1912.446	2037.541
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000

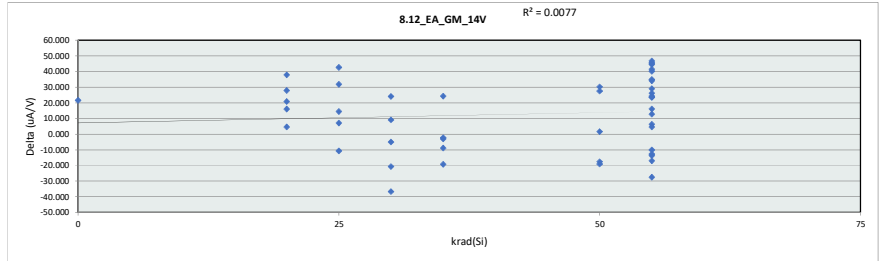


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

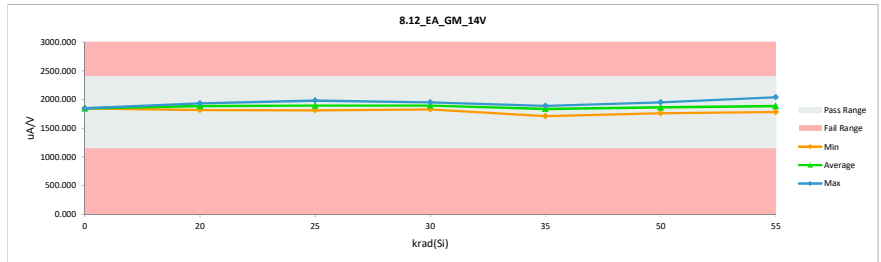
8.12_EA_GM_14V	
Test Site	
Tester	
Test Number	
Unit	uA/V
Max Limit	2400
Min Limit	1150

krad(Si)	Serial #	006_SEP_Pre	HD	006_SEP_Post	HD	Delta
0	48	1825.019		1846.501		21.482
25	1	1959.486		1973.883		14.397
25	2	1845.343		1852.311		6.968
25	3	1819.378		1808.523		-10.855
25	4	1811.481		1854.061		42.580
25	5	1949.502		1981.284		31.782
20	6	1776.739		1814.518		37.779
20	7	1926.412		1930.857		4.445
20	8	1873.273		1894.008		20.735
20	9	1902.794		1918.679		15.885
20	10	1842.132		1869.953		27.821
35	11	1889.369		1880.401		-8.968
35	12	1791.739		1815.972		24.233
35	13	1888.837		1886.416		-2.421
35	14	1891.126		1887.934		-3.192
35	15	1730.582		1711.210		-19.372
30	16	1926.412		1905.646		-20.766
30	17	1907.694		1902.589		-5.105
30	18	1867.902		1876.909		9.007
30	19	1864.384		1827.603		-36.781
30	20	1926.412		1950.454		24.042
55	21	1859.559		1864.042		4.483
55	22	1806.556		1793.645		-12.911
55	23	1877.329		1918.690		41.361
55	24	1783.539		1823.640		40.101
55	25	1828.789		1852.311		23.522
55	26	1883.324		1927.751		44.427
55	27	1805.837		1829.307		23.470
55	28	1994.012		2028.819		34.807
55	29	1769.329		1782.033		12.704
55	30	1903.592		1875.912		-27.680
55	31	1817.526		1846.521		28.995
55	32	1916.498		1950.454		33.956
55	33	1871.987		1918.679		46.692
55	34	1796.410		1812.411		16.001
55	35	1811.560		1801.338		-10.222
55	36	1950.737		1956.926		6.189
55	37	1836.385		1822.620		-13.765
55	38	1939.081		1984.765		45.684
55	39	1854.779		1899.777		44.998
55	40	1911.160		1894.008		-17.152
55	41	2011.271		2037.380		26.109
55	42	1845.800		1869.953		24.153
50	43	1780.435		1761.240		-19.195
50	44	1804.894		1834.999		30.105
50	45	1859.569		1887.031		27.462
50	46	1968.221		1950.454		-17.767
50	47	1885.737		1887.254		1.517
	Max	2011.271		2037.380		46.692
	Average	1866.457		1879.202		12.745
	Min	1730.582		1711.210		-36.781
	Std Dev	62.883		67.145		22.501



8.12_EA_GM_14V	
Test Site	
Tester	
Test Number	
Max Limit	2400 uA/V
Min Limit	1150 uA/V

krad(Si)	0	20	25	30	35	50	55
LL	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000	1150.000
Min	1846.501	1814.518	1808.523	1827.603	1711.210	1761.240	1782.033
Average	1846.501	1885.603	1894.012	1892.640	1836.387	1864.196	1885.954
Max	1846.501	1930.857	1981.284	1950.454	1887.934	1950.454	2037.380
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000

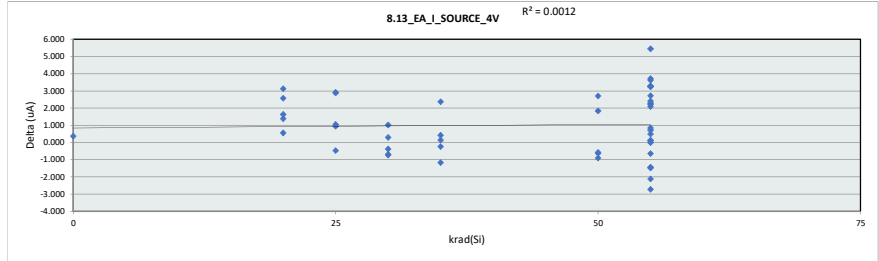


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

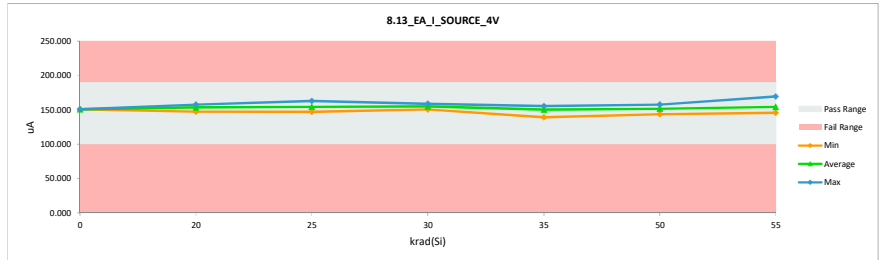
8.13_EA_I_SOURCE_4V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	190
Min Limit	100

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	150.422	150.781	0.359
25	1	159.329	162.199	2.870
25	2	150.610	151.648	1.038
25	3	147.527	147.045	-0.482
25	4	147.403	148.337	0.934
25	5	159.913	162.829	2.916
20	6	144.837	147.399	2.562
20	7	156.258	157.634	1.376
20	8	152.772	154.395	1.623
20	9	156.293	156.839	0.546
20	10	148.999	152.122	3.123
35	11	154.354	154.768	0.414
35	12	145.754	148.110	2.356
35	13	155.460	155.589	0.129
35	14	155.582	154.403	-1.179
35	15	139.444	139.202	-0.242
30	16	157.435	157.042	-0.393
30	17	156.409	156.697	0.288
30	18	150.865	151.875	1.010
30	19	151.233	150.539	-0.694
30	20	159.469	158.736	-0.733
55	21	152.037	152.523	0.486
55	22	148.904	147.454	-1.450
55	23	155.220	155.934	0.714
55	24	144.325	148.029	3.704
55	25	150.763	150.746	-0.017
55	26	153.911	156.185	2.274
55	27	146.587	148.670	2.083
55	28	164.902	168.147	3.245
55	29	145.648	145.746	0.098
55	30	156.006	153.880	-2.126
55	31	148.940	152.556	3.616
55	32	157.316	160.600	3.284
55	33	153.544	156.788	3.244
55	34	146.557	145.903	-0.654
55	35	149.800	148.313	-1.487
55	36	159.912	162.130	2.218
55	37	148.008	148.131	0.123
55	38	159.620	162.016	2.396
55	39	151.421	156.856	5.435
55	40	155.923	153.187	-2.736
55	41	166.719	169.429	2.710
55	42	150.796	151.633	0.837
50	43	144.245	143.605	-0.640
50	44	148.638	150.462	1.824
50	45	151.161	153.853	2.692
50	46	158.404	157.487	-0.917
50	47	153.194	152.605	-0.589
Max		166.719	169.429	5.435
Average		152.560	153.564	1.004
Min		139.444	139.202	-2.736
Std Dev		5.599	6.037	1.771



8.13_EA_I_SOURCE_4V	
Test Site	
Tester	
Test Number	
Max Limit	190 uA
Min Limit	100 uA

krad(Si)	0	20	25	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	150.781	147.399	147.045	150.539	139.202	143.605	145.746
Average	150.781	153.678	154.412	154.978	150.414	151.602	154.312
Max	150.781	157.634	162.829	158.736	155.589	157.487	169.429
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

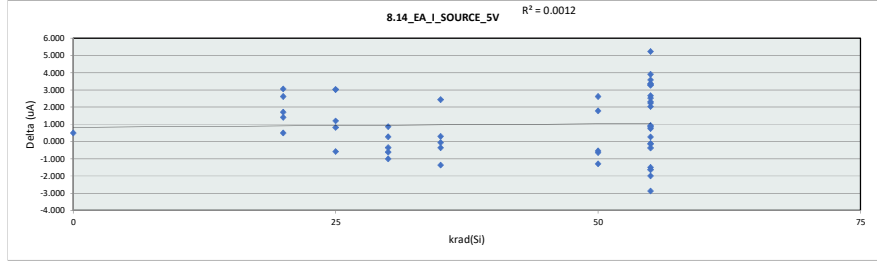


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

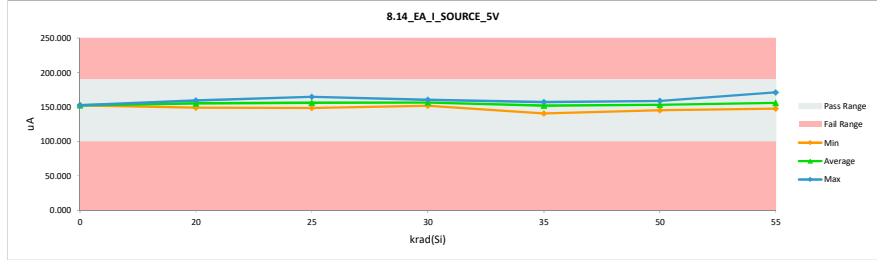
8.14_EA_I_SOURCE_5V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	190
Min Limit	100

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	152.031	152.530	0.499
25	1	160.985	164.018	3.033
25	2	152.121	153.319	1.198
25	3	149.130	148.552	-0.578
25	4	149.242	150.058	0.816
25	5	161.683	164.703	3.020
20	6	146.388	149.004	2.616
20	7	158.028	159.431	1.403
20	8	154.427	156.137	1.710
20	9	158.126	158.620	0.494
20	10	150.566	153.628	3.062
35	11	156.142	156.441	0.299
35	12	147.343	149.780	2.437
35	13	157.317	157.261	-0.056
35	14	157.348	155.979	-1.369
35	15	140.964	140.605	-0.359
30	16	159.098	158.749	-0.349
30	17	158.054	158.335	0.281
30	18	152.520	153.389	0.869
30	19	152.923	151.914	-1.009
30	20	161.076	160.464	-0.612
55	21	153.654	154.402	0.748
55	22	150.647	149.150	-1.497
55	23	156.852	157.795	0.943
55	24	145.962	149.545	3.583
55	25	152.415	152.271	-0.144
55	26	155.508	158.038	2.530
55	27	148.240	150.274	2.034
55	28	166.688	169.957	3.269
55	29	147.228	147.495	0.267
55	30	157.511	155.511	-2.000
55	31	150.595	154.500	3.905
55	32	158.929	162.293	3.364
55	33	155.277	158.614	3.337
55	34	148.076	147.708	-0.368
55	35	151.322	149.682	-1.640
55	36	161.506	163.819	2.313
55	37	149.783	149.670	-0.113
55	38	161.477	163.716	2.239
55	39	153.110	158.342	5.232
55	40	157.570	154.694	-2.876
55	41	168.528	171.193	2.665
55	42	152.491	153.345	0.854
50	43	145.818	145.281	-0.537
50	44	150.311	152.097	1.786
50	45	152.834	155.452	2.618
50	46	160.217	158.922	-1.295
50	47	154.964	154.327	-0.637
Max		168.528	171.193	5.232
Average		154.230	155.229	1.000
Min		140.964	140.605	-2.876
Std Dev		5.647	6.095	1.807



8.14_EA_I_SOURCE_5V	
Test Site	
Tester	
Test Number	
Max Limit	190 uA
Min Limit	100 uA

krad(Si)	0	20	25	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	152.530	149.004	148.552	151.914	140.605	145.281	147.495
Average	152.530	155.364	156.130	156.570	152.013	153.216	156.001
Max	152.530	159.431	164.703	160.464	157.261	158.922	171.193
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

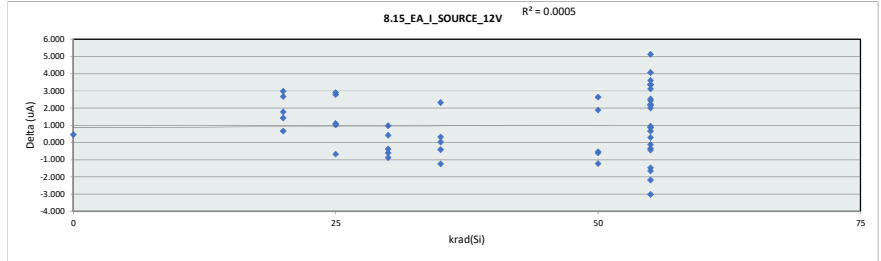


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

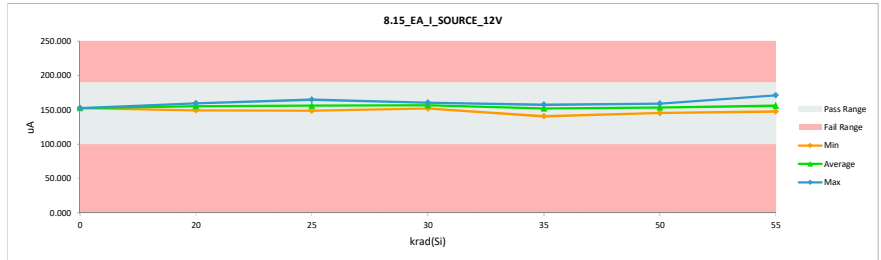
8.15_EA_I_SOURCE_12V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	190
Min Limit	100

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	152.094	152.547	0.453
25	1	161.147	163.927	2.780
25	2	152.237	153.336	1.099
25	3	149.373	148.687	-0.686
25	4	149.214	150.224	1.010
25	5	161.812	164.718	2.906
20	6	146.503	149.171	2.668
20	7	158.020	159.443	1.423
20	8	154.427	156.201	1.774
20	9	158.151	158.807	0.656
20	10	150.690	153.662	2.972
35	11	156.199	156.512	0.313
35	12	147.572	149.890	2.318
35	13	157.421	157.441	0.020
35	14	157.258	156.012	-1.246
35	15	141.090	140.672	-0.418
30	16	159.063	158.675	-0.388
30	17	158.145	158.561	0.416
30	18	152.438	153.407	0.969
30	19	152.903	152.023	-0.880
30	20	161.150	160.540	-0.610
55	21	153.732	154.389	0.657
55	22	150.665	149.186	-1.479
55	23	156.958	157.903	0.945
55	24	145.987	149.591	3.604
55	25	152.523	152.170	-0.353
55	26	155.603	158.042	2.439
55	27	148.337	150.338	2.001
55	28	166.757	170.098	3.341
55	29	147.296	147.586	0.290
55	30	157.608	155.421	-2.187
55	31	150.625	154.686	4.061
55	32	159.270	162.380	3.110
55	33	155.315	158.690	3.375
55	34	148.211	147.763	-0.448
55	35	151.367	149.710	-1.657
55	36	161.608	163.773	2.165
55	37	149.899	149.772	-0.127
55	38	161.460	163.675	2.215
55	39	153.250	158.369	5.119
55	40	157.691	154.664	-3.027
55	41	168.541	171.070	2.529
55	42	152.556	153.417	0.861
50	43	145.901	145.359	-0.542
50	44	150.419	152.298	1.879
50	45	152.827	155.459	2.632
50	46	160.158	158.924	-1.234
50	47	155.055	154.443	-0.612
	Max	168.541	171.070	5.119
	Average	154.303	155.284	0.981
	Min	141.090	140.672	-3.027
	Std Dev	5.634	6.071	1.798



8.15_EA_I_SOURCE_12V	
Test Site	
Tester	
Test Number	
Max Limit	190 uA
Min Limit	100 uA

krad(Si)	0	20	25	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	152.547	149.171	148.687	152.023	140.672	145.359	147.586
Average	152.547	155.457	156.178	156.641	152.105	153.297	156.032
Max	152.547	159.443	164.718	160.540	157.441	158.924	171.070
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

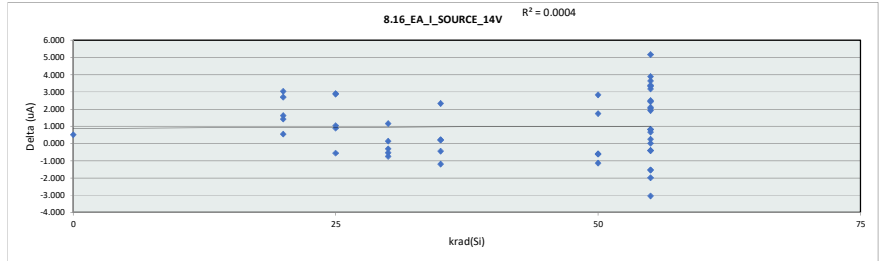


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

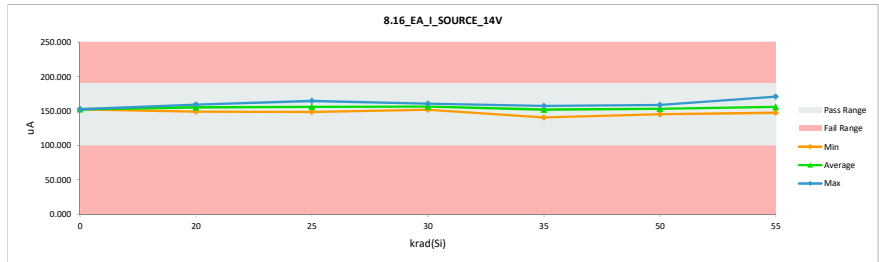
8.16_EA_I_SOURCE_14V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	190
Min Limit	100

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	151.944	152.454	0.510
25	1	160.962	163.824	2.862
25	2	152.172	153.211	1.039
25	3	149.195	148.636	-0.559
25	4	149.252	150.139	0.887
25	5	161.643	164.551	2.908
20	6	146.365	149.061	2.696
20	7	157.881	159.300	1.419
20	8	154.423	156.044	1.621
20	9	158.080	158.625	0.545
20	10	150.507	153.535	3.028
35	11	156.088	156.284	0.196
35	12	147.484	149.807	2.323
35	13	157.137	157.354	0.217
35	14	157.194	155.993	-1.201
35	15	141.000	140.550	-0.450
30	16	158.920	158.613	-0.307
30	17	158.158	158.294	0.136
30	18	152.342	153.494	1.152
30	19	152.708	151.954	-0.754
30	20	161.015	160.477	-0.538
55	21	153.679	154.336	0.657
55	22	150.615	149.083	-1.532
55	23	156.849	157.663	0.814
55	24	145.933	149.563	3.630
55	25	152.537	152.129	-0.408
55	26	155.508	157.937	2.429
55	27	148.302	150.215	1.913
55	28	166.624	169.788	3.164
55	29	147.222	147.467	0.245
55	30	157.468	155.476	-1.992
55	31	150.596	154.482	3.886
55	32	158.910	162.290	3.380
55	33	155.183	158.501	3.318
55	34	148.158	147.741	-0.417
55	35	151.269	149.723	-1.546
55	36	161.546	163.596	2.050
55	37	149.741	149.751	0.010
55	38	161.305	163.413	2.108
55	39	153.150	158.313	5.163
55	40	157.599	154.553	-3.046
55	41	168.373	170.867	2.494
55	42	152.509	153.326	0.817
50	43	145.857	145.250	-0.607
50	44	150.311	152.050	1.739
50	45	152.678	155.499	2.821
50	46	159.914	158.767	-1.147
50	47	154.983	154.365	-0.618
Max		168.373	170.867	5.163
Average		154.194	155.174	0.980
Min		141.000	140.550	-3.046
Std Dev		5.607	6.034	1.779



8.16_EA_I_SOURCE_14V	
Test Site	
Tester	
Test Number	
Max Limit	190 uA
Min Limit	100 uA

krad(Si)	0	20	25	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	152.454	149.061	148.636	151.954	140.550	145.250	147.467
Average	152.454	155.313	156.072	156.566	151.998	153.186	155.919
Max	152.454	159.300	164.551	160.477	157.354	158.767	170.867
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

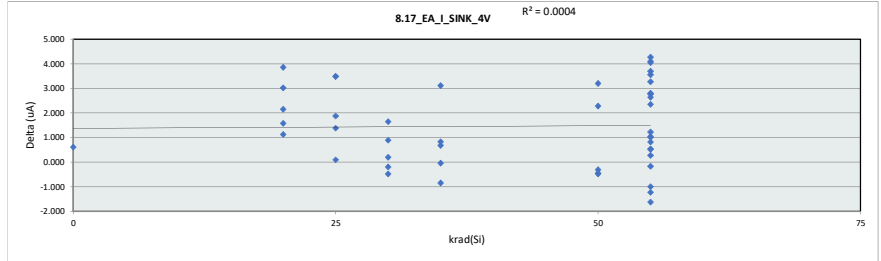


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

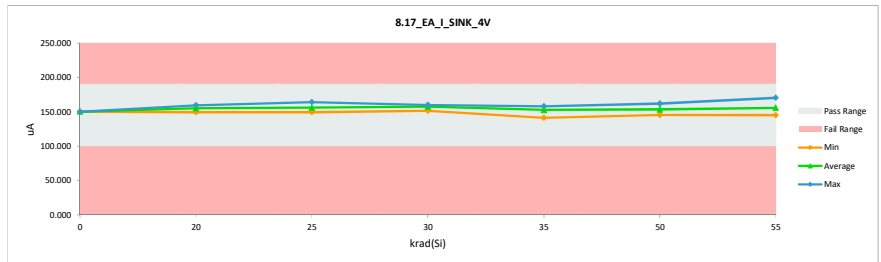
8.17_EA_I_SINK_4V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	190
Min Limit	100

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	149.507	150.110	0.603
25	1	160.687	164.179	3.492
25	2	152.099	153.969	1.870
25	3	149.363	149.454	0.091
25	4	148.350	149.730	1.380
25	5	160.799	164.277	3.478
20	6	146.527	149.542	3.015
20	7	158.057	159.630	1.573
20	8	153.921	156.066	2.145
20	9	155.910	157.032	1.122
20	10	150.228	154.083	3.855
35	11	157.257	158.077	0.820
35	12	148.768	151.876	3.108
35	13	155.434	156.107	0.673
35	14	157.134	156.275	-0.859
35	15	141.340	141.291	-0.049
30	16	159.280	159.474	0.194
30	17	158.686	159.571	0.885
30	18	156.299	157.939	1.640
30	19	152.015	151.530	-0.485
30	20	160.103	159.902	-0.201
55	21	152.706	153.713	1.007
55	22	147.979	146.746	-1.233
55	23	155.280	156.314	1.034
55	24	145.731	149.776	4.045
55	25	152.707	152.972	0.265
55	26	156.075	158.838	2.763
55	27	146.550	148.897	2.347
55	28	165.116	169.215	4.099
55	29	144.695	145.227	0.532
55	30	158.091	156.463	-1.628
55	31	148.526	152.794	4.268
55	32	158.323	162.017	3.694
55	33	153.884	157.436	3.552
55	34	150.459	150.284	-0.175
55	35	148.948	147.943	-1.005
55	36	161.463	164.265	2.802
55	37	151.040	151.555	0.515
55	38	160.706	163.340	2.634
55	39	155.440	158.211	2.771
55	40	156.761	157.574	0.813
55	41	167.185	170.446	3.261
55	42	152.700	153.918	1.218
50	43	146.140	145.658	-0.482
50	44	146.287	148.565	2.278
50	45	154.507	157.700	3.193
50	46	162.397	161.942	-0.455
50	47	154.506	154.195	-0.311
	Max	167.185	170.446	4.268
	Average	153.874	155.336	1.461
	Min	141.340	141.291	-1.628
	Std Dev	5.713	6.183	1.631



8.17_EA_I_SINK_4V	
Test Site	
Tester	
Test Number	
Max Limit	190
Min Limit	100

krad(Si)	0	20	25	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	150.110	149.542	149.454	151.530	141.291	145.658	145.227
Average	150.110	155.271	156.322	157.683	152.725	153.612	155.816
Max	150.110	159.630	164.277	159.902	158.077	161.942	170.446
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

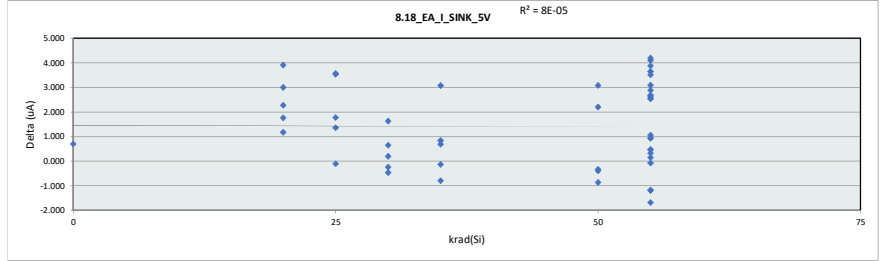


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

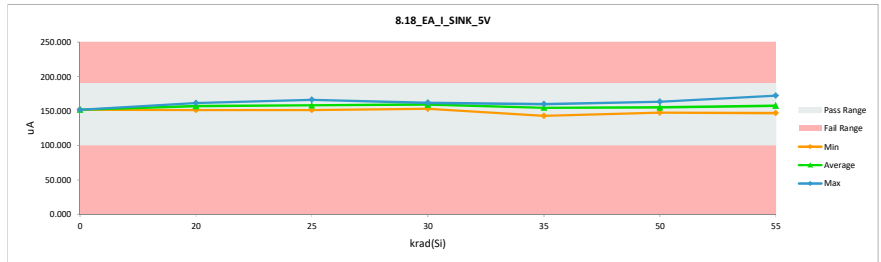
8.18_EA_I_SINK_5V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	190
Min Limit	100

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	151.200	151.897	0.697
25	1	162.548	166.113	3.565
25	2	153.892	155.665	1.773
25	3	151.294	151.179	-0.115
25	4	150.133	151.486	1.353
25	5	162.786	166.317	3.531
20	6	148.276	151.275	2.999
20	7	159.710	161.470	1.760
20	8	155.727	157.998	2.271
20	9	157.905	159.077	1.172
20	10	151.968	155.875	3.907
35	11	159.181	160.015	0.834
35	12	150.542	153.611	3.069
35	13	157.291	157.974	0.683
35	14	158.875	158.074	-0.801
35	15	143.042	142.906	-0.136
30	16	161.111	161.299	0.188
30	17	160.728	161.374	0.646
30	18	158.041	159.662	1.621
30	19	153.686	153.219	-0.467
30	20	162.022	161.776	-0.246
55	21	154.421	155.474	1.053
55	22	149.700	148.505	-1.195
55	23	157.292	158.223	0.931
55	24	147.452	151.546	4.094
55	25	154.520	154.666	0.146
55	26	157.931	160.811	2.880
55	27	148.191	150.725	2.534
55	28	167.138	171.011	3.873
55	29	146.472	146.942	0.470
55	30	159.800	158.112	-1.688
55	31	150.399	154.586	4.187
55	32	160.172	163.680	3.508
55	33	155.711	159.354	3.643
55	34	152.280	152.203	-0.077
55	35	150.742	149.567	-1.175
55	36	163.557	166.180	2.623
55	37	152.975	153.300	0.325
55	38	162.810	165.356	2.546
55	39	157.324	160.003	2.679
55	40	158.642	159.103	0.461
55	41	169.206	172.292	3.086
55	42	154.632	155.562	0.930
50	43	147.883	147.482	-0.401
50	44	148.067	150.263	2.196
50	45	156.395	159.472	3.077
50	46	164.287	163.419	-0.868
50	47	156.253	155.916	-0.337
Max		169.206	172.292	4.187
Average		155.713	157.125	1.413
Min		143.042	142.906	-1.688
Std Dev		5.786	6.228	1.646



8.18_EA_I_SINK_5V	
Test Site	
Tester	
Test Number	
Max Limit	190 uA
Min Limit	100 uA

krad(Si)	0	20	25	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	151.897	151.275	151.179	153.219	142.906	147.482	146.942
Average	151.897	157.139	158.152	159.466	154.516	155.310	157.600
Max	151.897	161.470	166.317	161.776	160.015	163.419	172.292
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

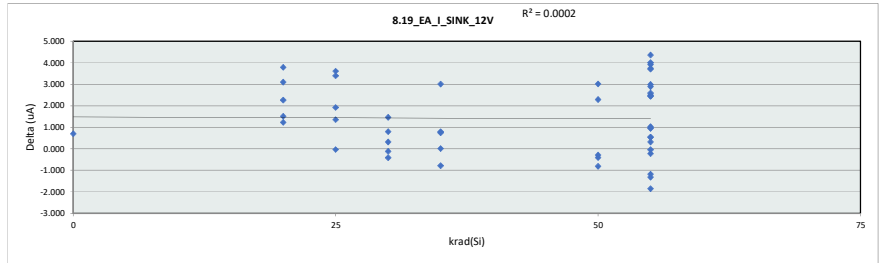


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

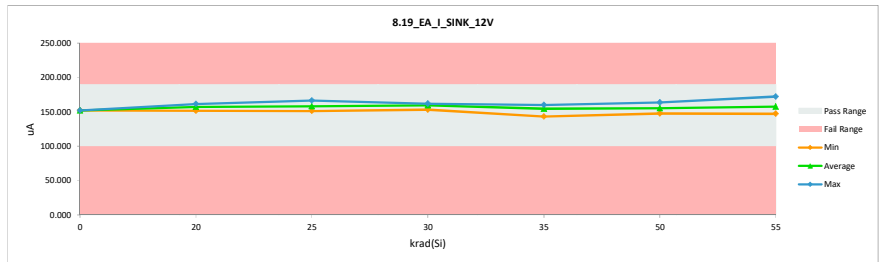
8.19_EA_I_SINK_12V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	190
Min Limit	100

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	151.311	152.013	0.702
25	1	162.478	166.093	3.615
25	2	153.783	155.710	1.927
25	3	151.333	151.296	-0.037
25	4	150.377	151.730	1.353
25	5	162.942	166.338	3.396
20	6	148.355	151.455	3.100
20	7	159.960	161.473	1.513
20	8	155.744	158.007	2.263
20	9	157.956	159.185	1.229
20	10	152.060	155.852	3.792
35	11	159.257	160.045	0.788
35	12	150.572	153.586	3.014
35	13	157.428	158.176	0.748
35	14	158.845	158.056	-0.789
35	15	143.126	143.136	0.010
30	16	161.099	161.421	0.322
30	17	160.799	161.595	0.796
30	18	158.237	159.703	1.466
30	19	153.541	153.125	-0.416
30	20	162.051	161.934	-0.117
55	21	154.543	155.569	1.026
55	22	149.768	148.585	-1.183
55	23	157.331	158.281	0.950
55	24	147.536	151.543	4.007
55	25	154.655	154.615	-0.040
55	26	157.947	160.838	2.891
55	27	148.308	150.754	2.446
55	28	167.267	171.191	3.924
55	29	146.531	147.076	0.545
55	30	159.941	158.086	-1.855
55	31	150.490	154.851	4.361
55	32	160.147	163.855	3.708
55	33	155.735	159.482	3.747
55	34	152.389	152.168	-0.221
55	35	150.826	149.507	-1.319
55	36	163.475	166.069	2.594
55	37	153.113	153.432	0.319
55	38	162.768	165.225	2.457
55	39	157.512	160.004	2.492
55	40	158.790	159.332	0.542
55	41	169.233	172.226	2.993
55	42	154.737	155.714	0.977
50	43	148.035	147.625	-0.410
50	44	148.176	150.470	2.294
50	45	156.482	159.499	3.017
50	46	164.281	163.467	-0.814
50	47	156.355	156.065	-0.290
	Max	169.233	172.226	4.361
	Average	155.784	157.197	1.413
	Min	143.126	143.136	-1.855
	Std Dev	5.768	6.202	1.648



8.19_EA_I_SINK_12V	
Test Site	
Tester	
Test Number	
Max Limit	190 uA
Min Limit	100 uA

krad(Si)	0	20	25	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	152.013	151.455	151.296	153.125	143.136	147.625	147.076
Average	152.013	157.194	158.233	159.556	154.600	155.425	157.655
Max	152.013	161.473	166.338	161.934	160.045	163.467	172.226
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

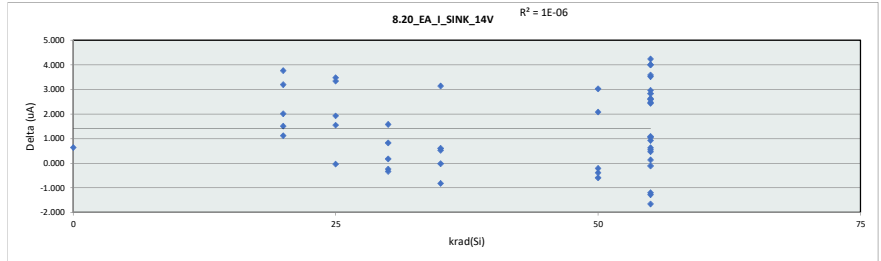


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

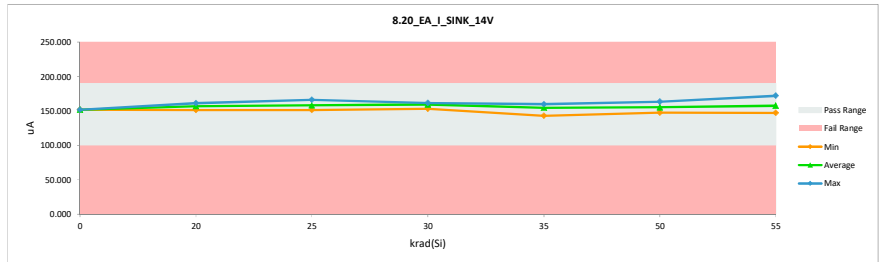
8.20_EA_I_SINK_14V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	190
Min Limit	100

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	151.177	151.810		0.633
25	1	162.458	165.933		3.475
25	2	153.715	155.638		1.923
25	3	151.271	151.232		-0.039
25	4	150.160	151.705		1.545
25	5	162.844	166.183		3.339
20	6	148.276	151.471		3.195
20	7	159.750	161.253		1.503
20	8	155.682	157.690		2.008
20	9	157.907	159.024		1.117
20	10	151.970	155.733		3.763
35	11	159.164	159.764		0.600
35	12	150.483	153.621		3.138
35	13	157.492	158.009		0.517
35	14	158.732	157.907		-0.825
35	15	143.029	143.007		-0.022
30	16	160.995	161.167		0.172
30	17	160.637	161.458		0.821
30	18	158.139	159.712		1.573
30	19	153.635	153.296		-0.339
30	20	161.971	161.731		-0.240
55	21	154.480	155.519		1.039
55	22	149.713	148.511		-1.202
55	23	157.219	158.138		0.919
55	24	147.521	151.515		3.994
55	25	154.436	154.566		0.130
55	26	157.889	160.713		2.824
55	27	148.240	150.714		2.474
55	28	167.070	171.070		4.000
55	29	146.456	147.079		0.623
55	30	159.817	158.152		-1.665
55	31	150.453	154.687		4.234
55	32	160.191	163.708		3.517
55	33	155.688	159.269		3.581
55	34	152.328	152.210		-0.118
55	35	150.743	149.456		-1.287
55	36	163.360	165.950		2.590
55	37	152.993	153.453		0.460
55	38	162.651	165.083		2.432
55	39	157.341	159.970		2.629
55	40	158.660	159.204		0.544
55	41	169.104	172.061		2.957
55	42	154.682	155.764		1.082
50	43	147.942	147.552		-0.390
50	44	148.180	150.255		2.075
50	45	156.393	159.416		3.023
50	46	164.112	163.514		-0.598
50	47	156.188	155.977		-0.211
	Max	169.104	172.061		4.234
	Average	155.695	157.101		1.407
	Min	143.029	143.007		-1.665
	Std Dev	5.751	6.168		1.614



8.20_EA_I_SINK_14V	
Test Site	
Tester	
Test Number	
Max Limit	190 uA
Min Limit	100 uA

krad(Si)	0	20	25	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	151.810	151.471	151.232	153.296	143.007	147.552	147.079
Average	151.810	157.034	158.138	159.473	154.462	155.343	157.581
Max	151.810	161.253	166.183	161.731	159.764	163.514	172.061
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

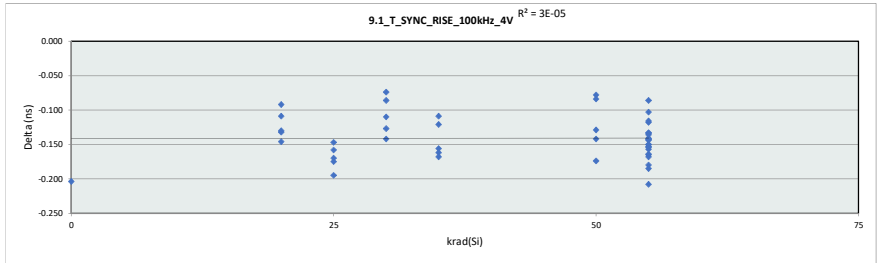


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

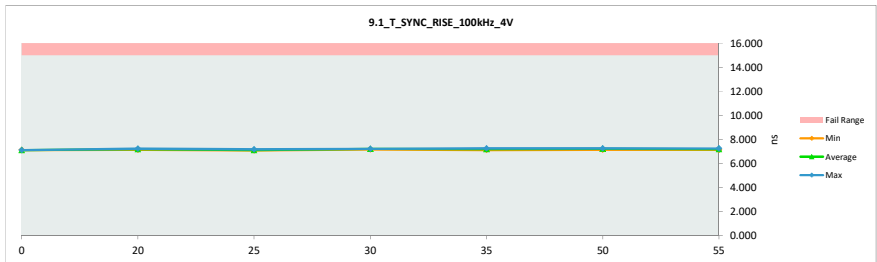
9.1_T_SYNC_RISE_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.313	7.109		-0.204
25	1	7.274	7.104		-0.170
25	2	7.264	7.117		-0.147
25	3	7.266	7.071		-0.195
25	4	7.268	7.093		-0.175
25	5	7.319	7.161		-0.158
20	6	7.277	7.131		-0.146
20	7	7.324	7.215		-0.109
20	8	7.314	7.222		-0.092
20	9	7.300	7.168		-0.132
20	10	7.267	7.137		-0.130
35	11	7.311	7.202		-0.109
35	12	7.272	7.116		-0.156
35	13	7.403	7.241		-0.162
35	14	7.331	7.163		-0.168
35	15	7.272	7.151		-0.121
30	16	7.340	7.213		-0.127
30	17	7.278	7.204		-0.074
30	18	7.303	7.161		-0.142
30	19	7.301	7.215		-0.086
30	20	7.297	7.187		-0.110
55	21	7.302	7.160		-0.142
55	22	7.280	7.194		-0.086
55	23	7.339	7.131		-0.208
55	24	7.317	7.201		-0.116
55	25	7.304	7.168		-0.136
55	26	7.331	7.167		-0.164
55	27	7.264	7.161		-0.103
55	28	7.335	7.155		-0.180
55	29	7.330	7.197		-0.133
55	30	7.340	7.190		-0.150
55	31	7.345	7.160		-0.185
55	32	7.347	7.204		-0.143
55	33	7.341	7.191		-0.150
55	34	7.343	7.209		-0.134
55	35	7.337	7.184		-0.153
55	36	7.348	7.230		-0.118
55	37	7.360	7.195		-0.165
55	38	7.345	7.191		-0.154
55	39	7.357	7.213		-0.144
55	40	7.353	7.185		-0.168
55	41	7.344	7.203		-0.141
55	42	7.329	7.172		-0.157
50	43	7.359	7.217		-0.142
50	44	7.311	7.233		-0.078
50	45	7.335	7.251		-0.084
50	46	7.367	7.238		-0.129
50	47	7.309	7.135		-0.174
	Max	7.403	7.251		-0.074
	Average	7.318	7.177		-0.141
	Min	7.264	7.071		-0.208
	Std Dev	0.033	0.041		0.032



9.1_T_SYNC_RISE_100kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.109	7.131	7.071	7.161	7.116	7.135	7.131
Average	7.109	7.175	7.109	7.196	7.175	7.215	7.185
Max	7.109	7.222	7.161	7.215	7.241	7.251	7.230
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

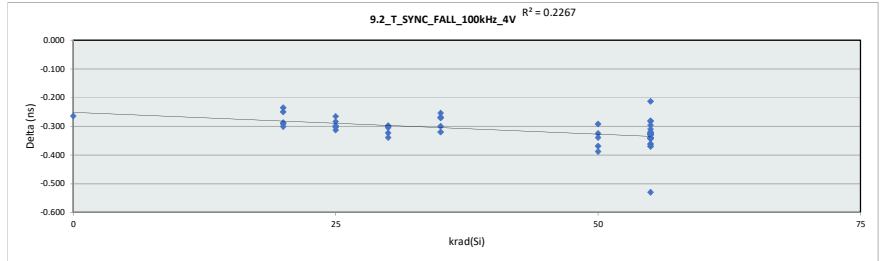


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

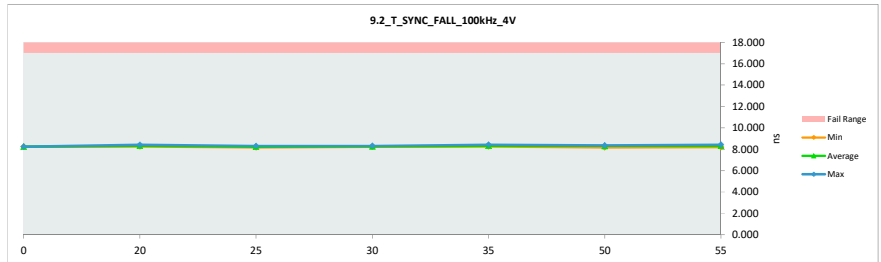
9.2_T_SYNC_FALL_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.499	8.235		-0.264
25	1	8.479	8.195		-0.284
25	2	8.474	8.171		-0.303
25	3	8.559	8.246		-0.313
25	4	8.590	8.291		-0.299
25	5	8.570	8.305		-0.265
20	6	8.574	8.283		-0.291
20	7	8.658	8.408		-0.250
20	8	8.587	8.300		-0.287
20	9	8.561	8.260		-0.301
20	10	8.570	8.335		-0.235
35	11	8.572	8.318		-0.254
35	12	8.578	8.310		-0.268
35	13	8.748	8.428		-0.320
35	14	8.567	8.267		-0.300
35	15	8.529	8.258		-0.271
30	16	8.529	8.224		-0.305
30	17	8.608	8.310		-0.298
30	18	8.562	8.239		-0.323
30	19	8.531	8.231		-0.300
30	20	8.631	8.292		-0.339
55	21	8.615	8.245		-0.370
55	22	8.611	8.301		-0.310
55	23	8.552	8.229		-0.323
55	24	8.655	8.359		-0.296
55	25	8.565	8.236		-0.329
55	26	8.582	8.221		-0.361
55	27	8.601	8.237		-0.364
55	28	8.667	8.347		-0.320
55	29	8.633	8.308		-0.325
55	30	8.699	8.416		-0.283
55	31	8.675	8.347		-0.328
55	32	8.716	8.389		-0.327
55	33	8.660	8.318		-0.342
55	34	8.615	8.272		-0.343
55	35	8.699	8.356		-0.343
55	36	8.690	8.360		-0.330
55	37	8.666	8.385		-0.281
55	38	8.638	8.297		-0.341
55	39	8.629	8.416		-0.213
55	40	8.733	8.203		-0.530
55	41	8.701	8.372		-0.329
55	42	8.683	8.343		-0.340
50	43	8.704	8.335		-0.369
50	44	8.630	8.305		-0.325
50	45	8.650	8.358		-0.292
50	46	8.721	8.333		-0.388
50	47	8.512	8.173		-0.339
	Max	8.748	8.428		-0.213
	Average	8.614	8.299		-0.315
	Min	8.474	8.171		-0.530
	Std Dev	0.069	0.066		0.048



9.2_T_SYNC_FALL_100kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.235	8.260	8.171	8.224	8.258	8.173	8.203
Average	8.235	8.317	8.242	8.259	8.316	8.301	8.316
Max	8.235	8.408	8.305	8.310	8.428	8.358	8.416
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

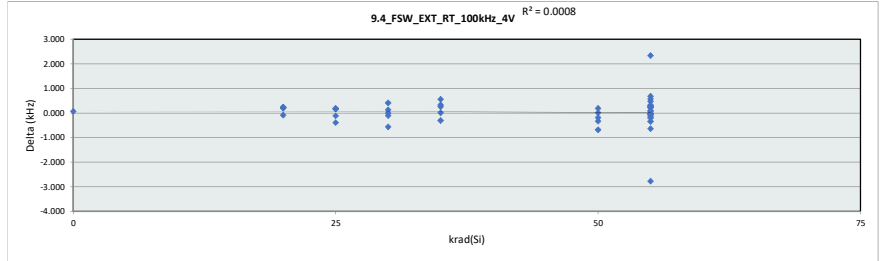


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

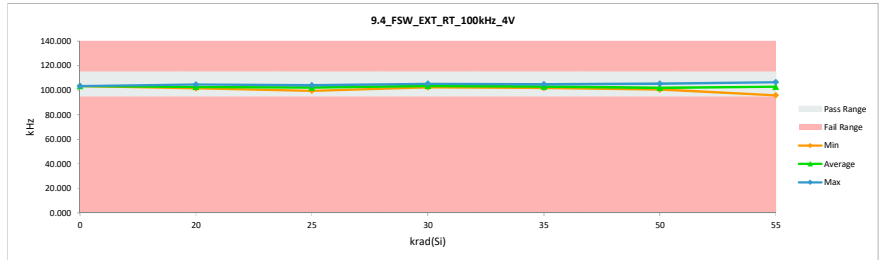
9.4_FSW_EXT_RT_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	115
Min Limit	95

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	103.258	103.318		0.060
25	1	103.850	104.036		0.186
25	2	99.580	99.460		-0.120
25	3	103.311	103.472		0.161
25	4	102.591	102.742		0.151
25	5	102.000	101.601		-0.399
20	6	104.693	104.601		-0.092
20	7	102.983	103.180		0.197
20	8	101.597	101.819		0.222
20	9	101.292	101.523		0.231
20	10	101.827	102.026		0.199
35	11	102.253	102.805		0.552
35	12	102.607	102.608		0.001
35	13	104.540	104.864		0.324
35	14	101.535	101.784		0.249
35	15	103.345	103.031		-0.314
30	16	102.229	102.354		0.125
30	17	102.587	102.992		0.405
30	18	104.458	103.888		-0.570
30	19	103.195	103.081		-0.114
30	20	105.216	105.205		-0.011
55	21	102.915	102.975		0.060
55	22	102.736	102.382		-0.354
55	23	103.756	104.225		0.469
55	24	104.635	104.569		-0.066
55	25	102.351	102.141		-0.210
55	26	104.060	104.377		0.317
55	27	103.265	103.531		0.266
55	28	102.802	102.898		0.096
55	29	95.652	95.871		0.219
55	30	103.338	103.629		0.291
55	31	104.597	104.842		0.245
55	32	101.457	101.323		-0.134
55	33	102.367	102.339		-0.028
55	34	106.575	106.543		-0.032
55	35	102.316	102.987		0.671
55	36	102.247	101.605		-0.642
55	37	102.406	102.374		-0.032
55	38	103.550	103.487		-0.063
55	39	104.324	101.543		-2.781
55	40	101.901	104.233		2.332
55	41	104.269	104.485		0.216
55	42	99.439	100.004		0.565
50	43	100.775	100.583		-0.192
50	44	101.915	101.227		-0.688
50	45	101.954	101.613		-0.341
50	46	105.119	105.301		0.182
50	47	101.025	101.028		0.003
	Max	106.575	106.543		2.332
	Average	102.723	102.761		0.038
	Min	95.652	95.871		-2.781
	Std Dev	1.751	1.767		0.607



9.4_FSW_EXT_RT_100kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	115
Min Limit	95

krad(Si)	0	20	25	30	35	50	55
LL	95.000	95.000	95.000	95.000	95.000	95.000	95.000
Min	103.318	101.523	99.460	102.354	101.784	100.583	95.871
Average	103.318	102.630	102.262	103.504	103.018	101.950	102.835
Max	103.318	104.601	104.036	105.205	104.864	105.301	106.543
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000

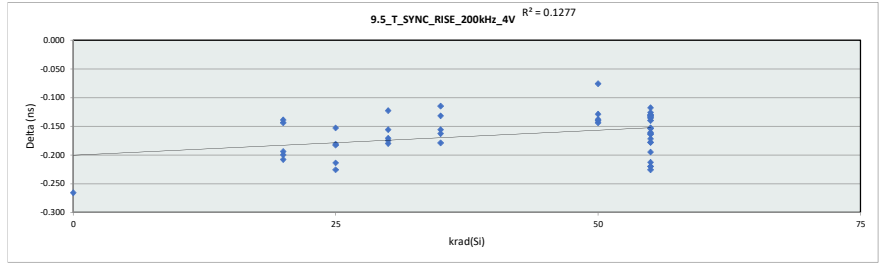


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

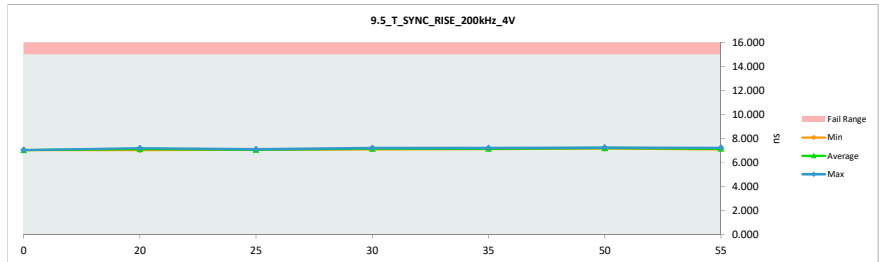
9.5_T_SYNC_RISE_200kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.309	7.043		-0.266
25	1	7.240	7.087		-0.153
25	2	7.306	7.080		-0.226
25	3	7.265	7.082		-0.183
25	4	7.233	7.052		-0.181
25	5	7.320	7.106		-0.214
20	6	7.272	7.078		-0.194
20	7	7.333	7.194		-0.139
20	8	7.306	7.162		-0.144
20	9	7.294	7.094		-0.200
20	10	7.256	7.048		-0.208
35	11	7.308	7.152		-0.156
35	12	7.281	7.118		-0.163
35	13	7.392	7.213		-0.179
35	14	7.301	7.186		-0.115
35	15	7.265	7.133		-0.132
30	16	7.329	7.206		-0.123
30	17	7.291	7.111		-0.180
30	18	7.287	7.131		-0.156
30	19	7.283	7.108		-0.175
30	20	7.322	7.151		-0.171
55	21	7.323	7.187		-0.136
55	22	7.282	7.129		-0.153
55	23	7.311	7.179		-0.132
55	24	7.290	7.164		-0.126
55	25	7.249	7.131		-0.118
55	26	7.320	7.100		-0.220
55	27	7.282	7.104		-0.178
55	28	7.343	7.171		-0.172
55	29	7.302	7.171		-0.131
55	30	7.341	7.163		-0.178
55	31	7.328	7.115		-0.213
55	32	7.338	7.177		-0.161
55	33	7.325	7.195		-0.130
55	34	7.315	7.180		-0.135
55	35	7.359	7.219		-0.140
55	36	7.325	7.171		-0.154
55	37	7.352	7.188		-0.164
55	38	7.327	7.132		-0.195
55	39	7.346	7.120		-0.226
55	40	7.374	7.154		-0.220
55	41	7.353	7.190		-0.163
55	42	7.331	7.198		-0.133
50	43	7.330	7.201		-0.129
50	44	7.336	7.192		-0.144
50	45	7.316	7.240		-0.076
50	46	7.369	7.229		-0.140
50	47	7.317	7.179		-0.138
Max		7.392	7.240		-0.076
Average		7.312	7.148		-0.164
Min		7.233	7.043		-0.266
Std Dev		0.035	0.050		0.037



9.5_T_SYNC_RISE_200kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.043	7.048	7.052	7.108	7.118	7.179	7.100
Average	7.043	7.115	7.081	7.141	7.160	7.208	7.161
Max	7.043	7.194	7.106	7.206	7.213	7.240	7.219
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

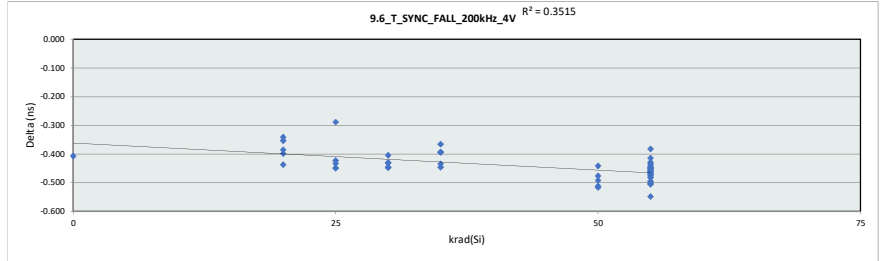


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

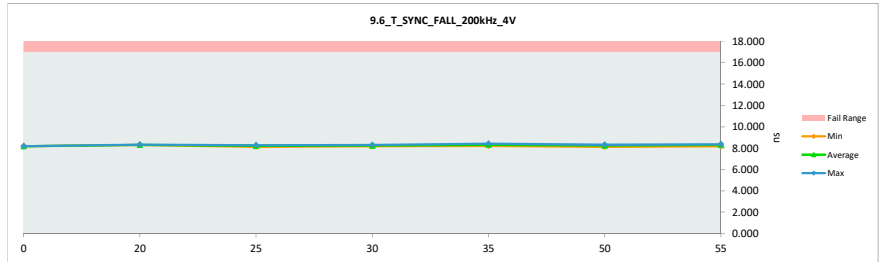
9.6_T_SYNC_FALL_200kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.579	8.171		-0.408
25	1	8.578	8.129		-0.449
25	2	8.558	8.269		-0.289
25	3	8.660	8.237		-0.423
25	4	8.670	8.220		-0.450
25	5	8.662	8.228		-0.434
20	6	8.667	8.281		-0.386
20	7	8.759	8.321		-0.438
20	8	8.697	8.298		-0.399
20	9	8.636	8.294		-0.342
20	10	8.647	8.293		-0.354
35	11	8.663	8.269		-0.394
35	12	8.664	8.298		-0.366
35	13	8.853	8.406		-0.447
35	14	8.645	8.251		-0.394
35	15	8.640	8.205		-0.435
30	16	8.617	8.185		-0.432
30	17	8.695	8.290		-0.405
30	18	8.653	8.222		-0.431
30	19	8.617	8.169		-0.448
30	20	8.722	8.275		-0.447
55	21	8.697	8.231		-0.466
55	22	8.698	8.192		-0.506
55	23	8.662	8.188		-0.474
55	24	8.766	8.270		-0.496
55	25	8.665	8.230		-0.435
55	26	8.662	8.207		-0.455
55	27	8.693	8.221		-0.472
55	28	8.757	8.307		-0.450
55	29	8.723	8.340		-0.383
55	30	8.781	8.352		-0.429
55	31	8.757	8.309		-0.448
55	32	8.811	8.352		-0.459
55	33	8.733	8.252		-0.481
55	34	8.719	8.270		-0.449
55	35	8.780	8.311		-0.469
55	36	8.773	8.290		-0.483
55	37	8.763	8.321		-0.442
55	38	8.717	8.268		-0.449
55	39	8.723	8.308		-0.415
55	40	8.830	8.281		-0.549
55	41	8.786	8.324		-0.462
55	42	8.780	8.276		-0.504
50	43	8.796	8.303		-0.493
50	44	8.718	8.206		-0.512
50	45	8.752	8.310		-0.442
50	46	8.807	8.290		-0.517
50	47	8.605	8.128		-0.477
	Max	8.853	8.406		-0.289
	Average	8.705	8.264		-0.441
	Min	8.558	8.128		-0.549
	Std Dev	0.070	0.059		0.048



9.6_T_SYNC_FALL_200kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.171	8.281	8.129	8.169	8.205	8.128	8.188
Average	8.171	8.297	8.217	8.228	8.286	8.247	8.277
Max	8.171	8.321	8.269	8.290	8.406	8.310	8.352
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

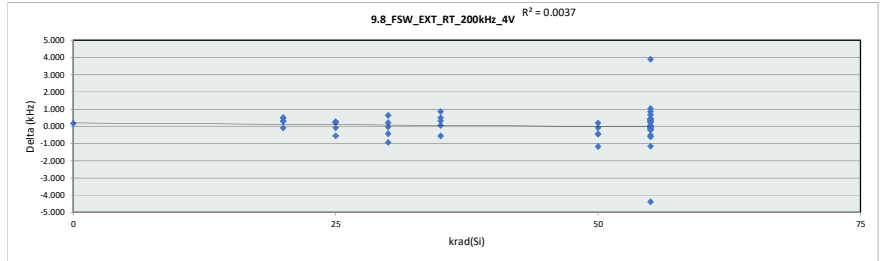


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

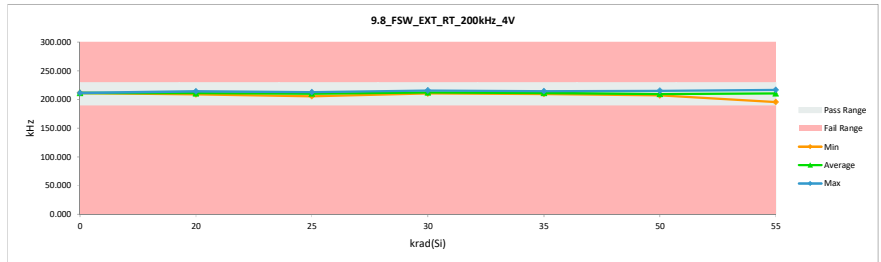
9.8_FSW_EXT_RT_200kHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz kHz
Max Limit	230 230
Min Limit	190 190

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	211.365	211.530	0.165
25	1	212.492	212.763	0.271
25	2	205.809	205.721	-0.088
25	3	212.099	212.318	0.219
25	4	210.454	210.675	0.221
25	5	209.674	209.117	-0.557
20	6	214.365	214.272	-0.093
20	7	211.285	211.567	0.282
20	8	209.327	209.835	0.508
20	9	208.573	208.884	0.311
20	10	209.816	210.290	0.474
35	11	210.148	210.996	0.848
35	12	210.821	210.869	0.048
35	13	213.881	214.372	0.491
35	14	209.193	209.503	0.310
35	15	211.906	211.339	-0.567
30	16	210.194	210.404	0.210
30	17	210.945	211.570	0.625
30	18	213.943	213.001	-0.942
30	19	211.662	211.231	-0.431
30	20	215.649	215.614	-0.035
55	21	211.494	211.537	0.043
55	22	211.177	210.566	-0.611
55	23	212.626	213.295	0.669
55	24	213.928	213.737	-0.191
55	25	210.608	210.093	-0.515
55	26	212.834	213.261	0.427
55	27	211.807	212.141	0.334
55	28	210.834	210.870	0.036
55	29	195.402	195.634	0.232
55	30	212.351	212.790	0.439
55	31	213.398	213.794	0.396
55	32	208.533	208.316	-0.217
55	33	210.512	210.403	-0.109
55	34	216.961	216.782	-0.179
55	35	209.964	210.817	0.853
55	36	210.040	208.875	-1.165
55	37	210.588	210.598	0.010
55	38	212.497	212.424	-0.073
55	39	213.431	209.034	-4.397
55	40	209.397	213.288	3.891
55	41	213.105	213.380	0.275
55	42	206.210	207.241	1.031
50	43	207.635	207.190	-0.445
50	44	209.519	208.339	-1.180
50	45	209.973	209.510	-0.463
50	46	214.969	215.153	0.184
50	47	208.160	208.075	-0.085
	Max	216.961	216.782	3.891
	Average	210.866	210.896	0.030
	Min	195.402	195.634	-4.397
	Std Dev	3.212	3.219	0.984



9.8_FSW_EXT_RT_200kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	230 kHz
Min Limit	190 kHz

krad(Si)	0	20	25	30	35	50	55
LL	190.000	190.000	190.000	190.000	190.000	190.000	190.000
Min	211.530	208.884	205.721	210.404	209.503	207.190	195.634
Average	211.530	210.970	210.119	212.364	211.416	209.653	210.858
Max	211.530	214.272	212.763	215.614	214.372	215.153	216.782
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000

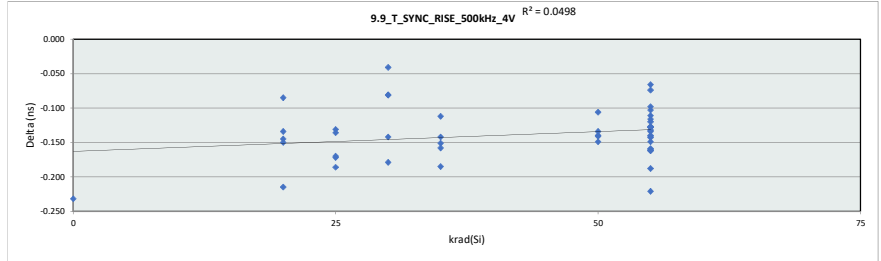


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

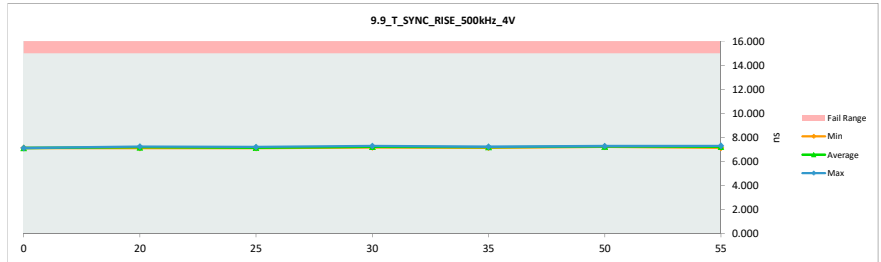
9.9_T_SYNC_RISE_500kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.348	7.116		-0.232
25	1	7.307	7.135		-0.172
25	2	7.285	7.149		-0.136
25	3	7.294	7.108		-0.186
25	4	7.274	7.104		-0.170
25	5	7.333	7.202		-0.131
20	6	7.325	7.110		-0.215
20	7	7.380	7.235		-0.145
20	8	7.337	7.187		-0.150
20	9	7.310	7.176		-0.134
20	10	7.288	7.203		-0.085
35	11	7.331	7.173		-0.158
35	12	7.297	7.146		-0.151
35	13	7.411	7.226		-0.185
35	14	7.358	7.216		-0.142
35	15	7.310	7.198		-0.112
30	16	7.375	7.196		-0.179
30	17	7.299	7.218		-0.081
30	18	7.294	7.213		-0.081
30	19	7.310	7.168		-0.142
30	20	7.320	7.279		-0.041
55	21	7.336	7.233		-0.103
55	22	7.317	7.175		-0.142
55	23	7.331	7.203		-0.128
55	24	7.331	7.182		-0.149
55	25	7.316	7.155		-0.161
55	26	7.319	7.221		-0.098
55	27	7.314	7.180		-0.134
55	28	7.362	7.200		-0.162
55	29	7.352	7.236		-0.116
55	30	7.343	7.269		-0.074
55	31	7.355	7.228		-0.127
55	32	7.373	7.214		-0.159
55	33	7.364	7.244		-0.120
55	34	7.357	7.136		-0.221
55	35	7.372	7.240		-0.132
55	36	7.381	7.270		-0.111
55	37	7.367	7.179		-0.188
55	38	7.356	7.216		-0.140
55	39	7.360	7.232		-0.128
55	40	7.386	7.243		-0.143
55	41	7.379	7.217		-0.162
55	42	7.358	7.292		-0.066
50	43	7.363	7.214		-0.149
50	44	7.356	7.216		-0.140
50	45	7.374	7.268		-0.106
50	46	7.389	7.248		-0.141
50	47	7.341	7.207		-0.134
	Max	7.411	7.292		-0.041
	Average	7.340	7.202		-0.139
	Min	7.274	7.104		-0.232
	Std Dev	0.032	0.046		0.039



9.9_T_SYNC_RISE_500kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.116	7.110	7.104	7.168	7.146	7.207	7.136
Average	7.116	7.182	7.140	7.215	7.192	7.231	7.217
Max	7.116	7.235	7.202	7.279	7.226	7.268	7.292
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

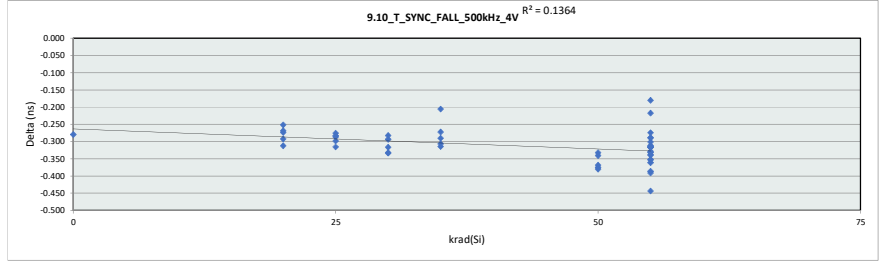


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

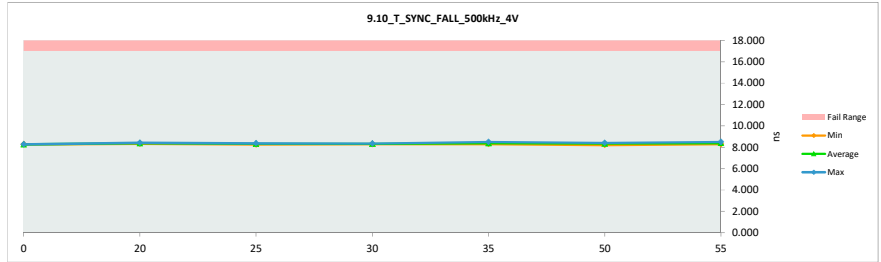
9.10_T_SYNC_FALL_500kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.547	8.267		-0.280
25	1	8.529	8.242		-0.287
25	2	8.536	8.260		-0.276
25	3	8.621	8.305		-0.316
25	4	8.638	8.354		-0.284
25	5	8.631	8.332		-0.299
20	6	8.611	8.318		-0.293
20	7	8.724	8.411		-0.313
20	8	8.662	8.410		-0.252
20	9	8.605	8.331		-0.274
20	10	8.636	8.367		-0.269
35	11	8.618	8.412		-0.206
35	12	8.622	8.349		-0.273
35	13	8.798	8.483		-0.315
35	14	8.596	8.289		-0.307
35	15	8.590	8.299		-0.291
30	16	8.584	8.301		-0.283
30	17	8.666	8.349		-0.317
30	18	8.613	8.279		-0.334
30	19	8.588	8.294		-0.294
30	20	8.679	8.346		-0.333
55	21	8.657	8.339		-0.318
55	22	8.648	8.331		-0.317
55	23	8.609	8.280		-0.329
55	24	8.723	8.384		-0.339
55	25	8.615	8.301		-0.314
55	26	8.636	8.274		-0.362
55	27	8.647	8.307		-0.340
55	28	8.709	8.420		-0.289
55	29	8.684	8.409		-0.275
55	30	8.738	8.426		-0.312
55	31	8.720	8.403		-0.317
55	32	8.791	8.437		-0.354
55	33	8.716	8.414		-0.302
55	34	8.671	8.453		-0.218
55	35	8.751	8.399		-0.352
55	36	8.738	8.346		-0.392
55	37	8.715	8.399		-0.316
55	38	8.695	8.363		-0.332
55	39	8.676	8.495		-0.181
55	40	8.793	8.349		-0.444
55	41	8.751	8.461		-0.290
55	42	8.734	8.347		-0.387
50	43	8.770	8.394		-0.376
50	44	8.673	8.340		-0.333
50	45	8.717	8.376		-0.341
50	46	8.769	8.388		-0.381
50	47	8.563	8.194		-0.369
	Max	8.798	8.495		-0.181
	Average	8.667	8.355		-0.312
	Min	8.529	8.194		-0.444
	Std Dev	0.070	0.065		0.047



9.10_T_SYNC_FALL_500kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.267	8.318	8.242	8.279	8.289	8.194	8.274
Average	8.267	8.367	8.299	8.314	8.366	8.338	8.379
Max	8.267	8.411	8.354	8.349	8.483	8.394	8.495
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

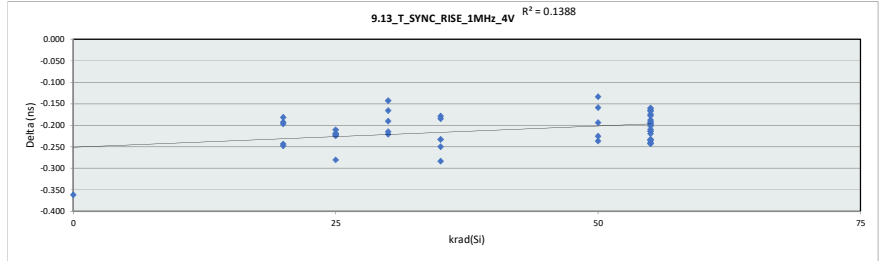


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

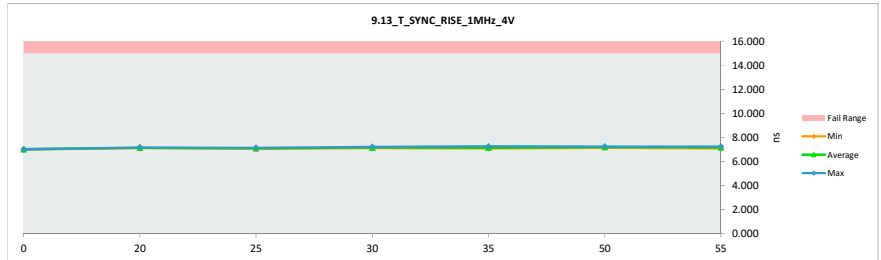
9.13_T_SYNC_RISE_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.368	7.006		-0.362
25	1	7.324	7.043		-0.281
25	2	7.293	7.074		-0.219
25	3	7.295	7.070		-0.225
25	4	7.280	7.058		-0.222
25	5	7.348	7.137		-0.211
20	6	7.314	7.121		-0.193
20	7	7.397	7.153		-0.244
20	8	7.347	7.150		-0.197
20	9	7.347	7.099		-0.248
20	10	7.311	7.129		-0.182
35	11	7.365	7.081		-0.284
35	12	7.327	7.077		-0.250
35	13	7.434	7.255		-0.179
35	14	7.369	7.184		-0.185
35	15	7.322	7.089		-0.233
30	16	7.356	7.141		-0.215
30	17	7.322	7.131		-0.191
30	18	7.327	7.161		-0.166
30	19	7.327	7.106		-0.221
30	20	7.343	7.200		-0.143
55	21	7.366	7.188		-0.178
55	22	7.345	7.110		-0.235
55	23	7.368	7.170		-0.198
55	24	7.364	7.170		-0.194
55	25	7.318	7.144		-0.174
55	26	7.360	7.150		-0.210
55	27	7.306	7.092		-0.214
55	28	7.392	7.152		-0.240
55	29	7.346	7.158		-0.188
55	30	7.382	7.216		-0.166
55	31	7.378	7.216		-0.162
55	32	7.380	7.137		-0.243
55	33	7.386	7.226		-0.160
55	34	7.374	7.183		-0.191
55	35	7.409	7.189		-0.220
55	36	7.401	7.168		-0.233
55	37	7.401	7.187		-0.214
55	38	7.393	7.196		-0.197
55	39	7.378	7.211		-0.167
55	40	7.394	7.192		-0.202
55	41	7.378	7.135		-0.243
55	42	7.374	7.139		-0.235
50	43	7.379	7.142		-0.237
50	44	7.365	7.231		-0.134
50	45	7.382	7.188		-0.194
50	46	7.399	7.240		-0.159
50	47	7.360	7.134		-0.226
	Max	7.434	7.255		-0.134
	Average	7.358	7.149		-0.210
	Min	7.280	7.006		-0.362
	Std Dev	0.034	0.054		0.040



9.13_T_SYNC_RISE_1MHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.006	7.099	7.043	7.106	7.077	7.134	7.092
Average	7.006	7.130	7.076	7.148	7.137	7.187	7.170
Max	7.006	7.153	7.137	7.200	7.255	7.240	7.226
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

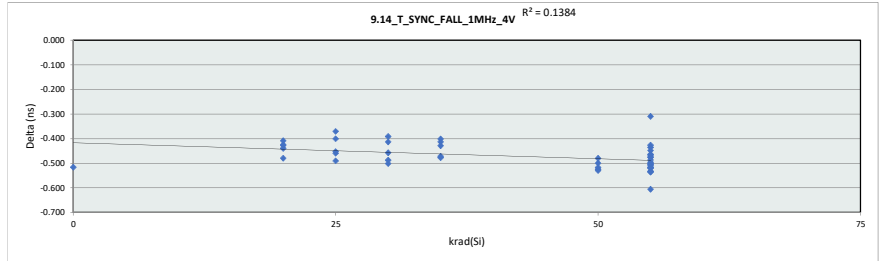


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

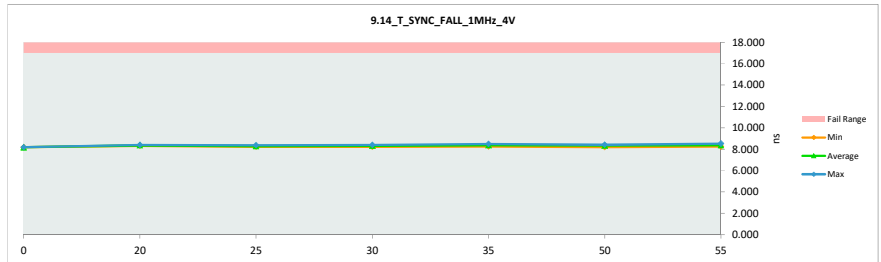
9.14_T_SYNC_FALL_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.697	8.180		-0.517
25	1	8.684	8.231		-0.453
25	2	8.678	8.307		-0.371
25	3	8.764	8.304		-0.460
25	4	8.774	8.283		-0.491
25	5	8.778	8.377		-0.401
20	6	8.778	8.338		-0.440
20	7	8.863	8.383		-0.480
20	8	8.795	8.370		-0.425
20	9	8.754	8.326		-0.428
20	10	8.779	8.370		-0.409
35	11	8.769	8.355		-0.414
35	12	8.775	8.373		-0.402
35	13	8.953	8.481		-0.472
35	14	8.743	8.314		-0.429
35	15	8.739	8.261		-0.478
30	16	8.733	8.341		-0.392
30	17	8.804	8.390		-0.414
30	18	8.757	8.299		-0.458
30	19	8.723	8.221		-0.502
30	20	8.839	8.351		-0.488
55	21	8.800	8.364		-0.436
55	22	8.793	8.258		-0.535
55	23	8.763	8.267		-0.496
55	24	8.859	8.341		-0.518
55	25	8.773	8.240		-0.533
55	26	8.767	8.246		-0.521
55	27	8.796	8.319		-0.477
55	28	8.848	8.377		-0.471
55	29	8.836	8.409		-0.427
55	30	8.894	8.430		-0.464
55	31	8.870	8.354		-0.516
55	32	8.914	8.411		-0.503
55	33	8.858	8.351		-0.507
55	34	8.820	8.371		-0.449
55	35	8.887	8.387		-0.500
55	36	8.890	8.382		-0.508
55	37	8.860	8.323		-0.537
55	38	8.824	8.337		-0.487
55	39	8.827	8.517		-0.310
55	40	8.942	8.336		-0.606
55	41	8.888	8.422		-0.466
55	42	8.878	8.402		-0.476
50	43	8.899	8.418		-0.481
50	44	8.825	8.299		-0.526
50	45	8.862	8.362		-0.500
50	46	8.909	8.379		-0.530
50	47	8.712	8.194		-0.518
Max		8.953	8.517		-0.310
Average		8.812	8.341		-0.471
Min		8.678	8.180		-0.606
Std Dev		0.068	0.069		0.052



9.14_T_SYNC_FALL_1MHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.180	8.326	8.231	8.221	8.261	8.194	8.240
Average	8.180	8.357	8.300	8.320	8.357	8.330	8.357
Max	8.180	8.383	8.377	8.390	8.481	8.418	8.517
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

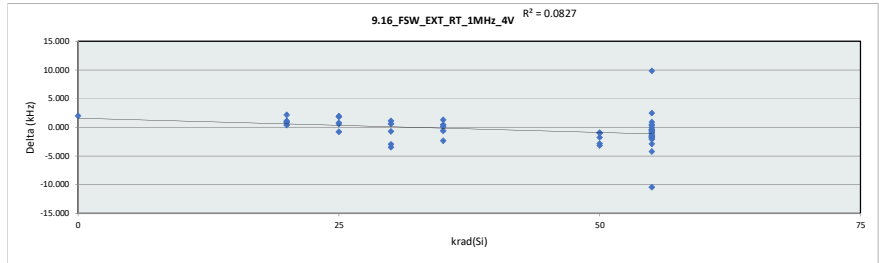


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

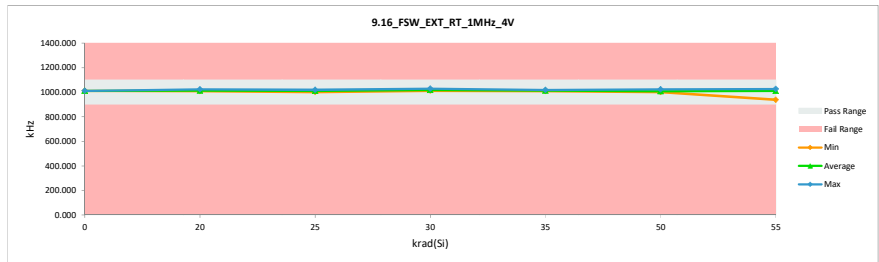
9.16_FSW_EXT_RT_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	1100
Min Limit	900

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HC	Delta
0	48	1009.261	1011.221		1.960
25	1	1016.447	1018.372		1.925
25	2	999.513	1001.330		1.817
25	3	1018.180	1018.944		0.764
25	4	1005.286	1005.866		0.580
25	5	1010.754	1009.943		-0.811
20	6	1022.315	1023.403		1.088
20	7	1010.873	1011.247		0.374
20	8	1010.996	1013.133		2.137
20	9	1007.865	1008.711		0.846
20	10	1011.990	1012.942		0.952
35	11	1012.110	1013.382		1.272
35	12	1013.458	1013.880		0.422
35	13	1017.638	1017.721		0.083
35	14	1009.364	1008.730		-0.634
35	15	1015.448	1013.098		-2.350
30	16	1011.754	1012.350		0.596
30	17	1016.027	1017.129		1.102
30	18	1021.953	1018.986		-2.967
30	19	1015.491	1011.974		-3.517
30	20	1029.037	1028.314		-0.723
55	21	1016.077	1015.022		-1.055
55	22	1013.735	1011.657		-2.078
55	23	1018.139	1018.078		-0.061
55	24	1019.671	1018.025		-1.646
55	25	1015.941	1013.029		-2.912
55	26	1014.188	1013.695		-0.493
55	27	1015.355	1013.570		-1.785
55	28	1010.929	1009.529		-1.400
55	29	939.647	938.260		-1.387
55	30	1018.904	1018.385		-0.519
55	31	1013.702	1014.107		0.405
55	32	1005.925	1004.101		-1.824
55	33	1014.375	1013.526		-0.849
55	34	1027.305	1025.601		-1.704
55	35	1010.108	1010.479		0.371
55	36	1011.730	1007.483		-4.247
55	37	1010.574	1010.165		-0.409
55	38	1016.621	1015.967		-0.654
55	39	1018.676	1008.224		-10.452
55	40	1008.132	1017.951		9.819
55	41	1017.522	1018.420		0.898
55	42	1005.694	1008.158		2.464
50	43	1003.860	1001.028		-2.832
50	44	1007.616	1004.431		-3.185
50	45	1011.786	1010.773		-1.013
50	46	1024.139	1023.192		-0.947
50	47	1004.306	1002.509		-1.797
	Max	1029.037	1028.314		9.819
	Average	1012.092	1011.584		-0.508
	Min	939.647	938.260		-10.452
	Std Dev	12.225	12.327		2.628



9.16_FSW_EXT_RT_1MHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	1100 kHz
Min Limit	900 kHz

krad(Si)	0	20	25	30	35	50	55
LL	900.000	900.000	900.000	900.000	900.000	900.000	900.000
Min	1011.221	1008.711	1001.330	1011.974	1008.730	1001.028	938.260
Average	1011.221	1013.887	1010.891	1017.751	1013.362	1008.387	1010.156
Max	1011.221	1023.403	1018.944	1028.314	1017.721	1023.192	1025.601
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000

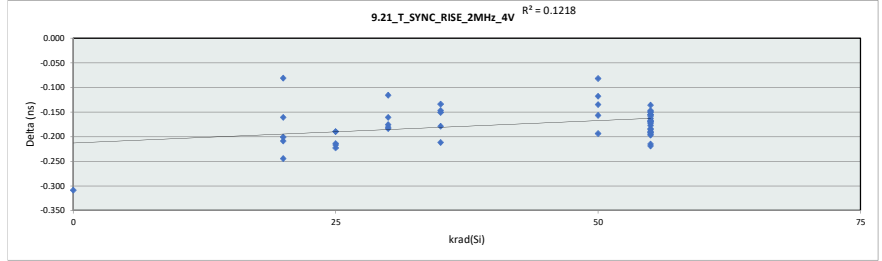


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

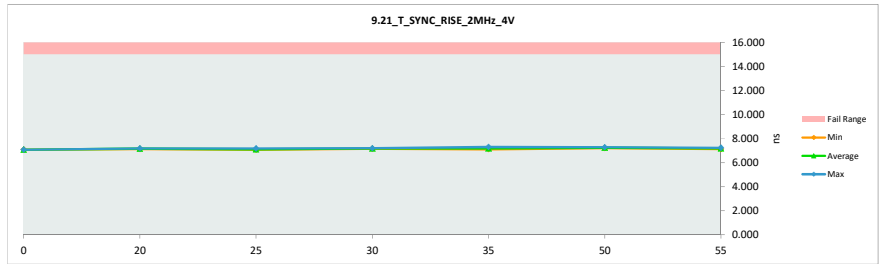
9.21_T_SYNC_RISE_2MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.379	7.070		-0.309
25	1	7.306	7.083		-0.223
25	2	7.329	7.115		-0.214
25	3	7.295	7.078		-0.217
25	4	7.271	7.081		-0.190
25	5	7.354	7.164		-0.190
20	6	7.326	7.117		-0.209
20	7	7.425	7.180		-0.245
20	8	7.337	7.136		-0.201
20	9	7.328	7.167		-0.161
20	10	7.256	7.175		-0.081
35	11	7.336	7.185		-0.151
35	12	7.299	7.120		-0.179
35	13	7.429	7.295		-0.134
35	14	7.353	7.206		-0.147
35	15	7.323	7.111		-0.212
30	16	7.368	7.192		-0.176
30	17	7.292	7.176		-0.116
30	18	7.331	7.147		-0.184
30	19	7.314	7.153		-0.161
30	20	7.333	7.152		-0.181
55	21	7.340	7.185		-0.155
55	22	7.334	7.187		-0.147
55	23	7.341	7.167		-0.174
55	24	7.327	7.137		-0.190
55	25	7.315	7.148		-0.167
55	26	7.349	7.178		-0.171
55	27	7.293	7.130		-0.163
55	28	7.358	7.222		-0.136
55	29	7.377	7.219		-0.158
55	30	7.397	7.178		-0.219
55	31	7.354	7.199		-0.155
55	32	7.380	7.230		-0.150
55	33	7.365	7.215		-0.150
55	34	7.348	7.153		-0.195
55	35	7.381	7.203		-0.178
55	36	7.376	7.190		-0.186
55	37	7.374	7.177		-0.197
55	38	7.362	7.193		-0.169
55	39	7.379	7.210		-0.169
55	40	7.393	7.178		-0.215
55	41	7.375	7.191		-0.184
55	42	7.350	7.158		-0.192
50	43	7.398	7.204		-0.194
50	44	7.351	7.269		-0.082
50	45	7.366	7.248		-0.118
50	46	7.386	7.229		-0.157
50	47	7.373	7.238		-0.135
	Max	7.429	7.295		-0.081
	Average	7.348	7.174		-0.175
	Min	7.256	7.070		-0.309
	Std Dev	0.037	0.048		0.039



9.21_T_SYNC_RISE_2MHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.070	7.117	7.078	7.147	7.111	7.204	7.130
Average	7.070	7.155	7.104	7.164	7.183	7.238	7.184
Max	7.070	7.180	7.164	7.192	7.295	7.269	7.230
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

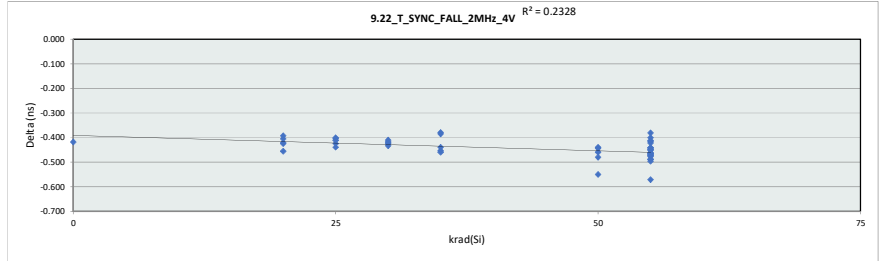


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

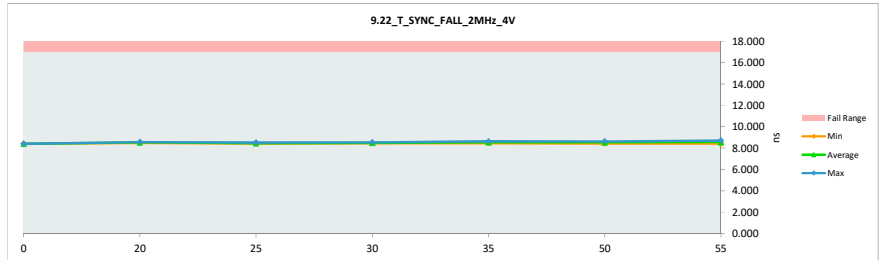
9.22_T_SYNC_FALL_2MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.812	8.393		-0.419
25	1	8.819	8.414		-0.405
25	2	8.863	8.462		-0.401
25	3	8.888	8.448		-0.440
25	4	8.873	8.448		-0.425
25	5	8.922	8.510		-0.412
20	6	8.872	8.466		-0.406
20	7	8.973	8.551		-0.422
20	8	8.995	8.539		-0.456
20	9	8.909	8.484		-0.425
20	10	8.954	8.561		-0.393
35	11	8.952	8.566		-0.386
35	12	8.920	8.540		-0.380
35	13	9.074	8.634		-0.440
35	14	8.915	8.461		-0.454
35	15	8.915	8.455		-0.460
30	16	8.873	8.462		-0.411
30	17	8.932	8.506		-0.426
30	18	8.871	8.449		-0.422
30	19	8.870	8.452		-0.418
30	20	8.975	8.541		-0.434
55	21	8.978	8.535		-0.443
55	22	8.957	8.508		-0.449
55	23	8.886	8.419		-0.467
55	24	9.010	8.562		-0.448
55	25	8.923	8.481		-0.442
55	26	8.966	8.503		-0.463
55	27	8.964	8.486		-0.478
55	28	9.023	8.533		-0.490
55	29	8.967	8.549		-0.418
55	30	9.048	8.574		-0.474
55	31	9.003	8.602		-0.401
55	32	9.105	8.692		-0.413
55	33	9.014	8.591		-0.423
55	34	8.983	8.515		-0.468
55	35	9.084	8.617		-0.467
55	36	9.051	8.562		-0.489
55	37	9.036	8.562		-0.474
55	38	8.978	8.525		-0.453
55	39	8.990	8.608		-0.382
55	40	9.122	8.550		-0.572
55	41	9.057	8.594		-0.463
55	42	9.067	8.570		-0.497
50	43	9.058	8.617		-0.441
50	44	9.011	8.460		-0.551
50	45	8.979	8.535		-0.444
50	46	9.076	8.595		-0.481
50	47	8.868	8.408		-0.460
	Max	9.122	8.692		-0.380
	Average	8.966	8.523		-0.443
	Min	8.812	8.393		-0.572
	Std Dev	0.077	0.066		0.039



9.22_T_SYNC_FALL_2MHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.393	8.466	8.414	8.449	8.455	8.408	8.419
Average	8.393	8.520	8.456	8.482	8.531	8.523	8.552
Max	8.393	8.561	8.510	8.541	8.634	8.617	8.692
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

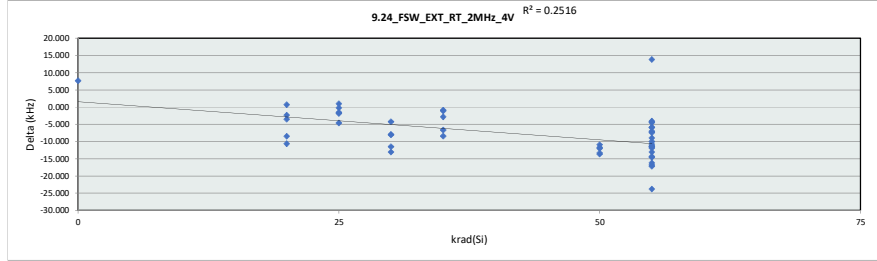


**HDR TID Report
TPS7H5006-SEP**

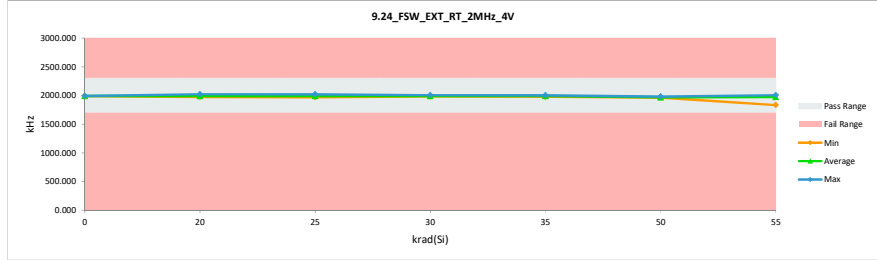
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

9.24_FSW_EXT_RT_2MHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	2300
Min Limit	1700

krad(Si)	Serial #	006_SEP_Pre	HD	006_SEP_Post	HD	Delta
0	48	1983.209		1990.820		7.611
25	1	1994.347		1992.454		-1.893
25	2	1967.073		1968.025		0.952
25	3	1993.769		1993.543		-0.226
25	4	2021.646		2020.034		-1.612
25	5	1975.301		1970.626		-4.675
20	6	2029.225		2020.709		-8.516
20	7	2002.796		1992.115		-10.681
20	8	1983.913		1984.549		0.636
20	9	1977.222		1973.659		-3.563
20	10	1987.584		1985.224		-2.360
35	11	1980.443		1977.567		-2.876
35	12	1994.581		1993.629		-0.952
35	13	2009.599		2002.880		-6.719
35	14	1991.445		1990.310		-1.135
35	15	1998.477		1990.018		-8.459
30	16	1991.242		1983.253		-7.989
30	17	1990.547		1986.269		-4.278
30	18	2017.755		2004.686		-13.069
30	19	1991.144		1983.031		-8.113
30	20	2013.066		2001.537		-11.529
55	21	1989.499		1977.597		-11.902
55	22	2001.690		1987.310		-14.380
55	23	1991.575		1984.144		-7.431
55	24	2005.757		1988.534		-17.223
55	25	1998.010		1981.756		-16.254
55	26	2002.513		1991.131		-11.382
55	27	1991.474		1982.480		-8.994
55	28	1975.719		1965.678		-10.041
55	29	1837.607		1831.730		-5.877
55	30	2000.945		1996.815		-4.130
55	31	2005.368		1990.777		-14.591
55	32	1978.790		1961.992		-16.798
55	33	1987.257		1975.901		-11.356
55	34	2016.559		2004.985		-11.574
55	35	1983.972		1976.917		-7.055
55	36	1979.961		1966.874		-13.087
55	37	1982.477		1977.933		-4.544
55	38	1991.751		1985.775		-5.976
55	39	1991.927		1968.097		-23.830
55	40	1969.955		1983.719		13.764
55	41	1993.609		1982.772		-10.837
55	42	1990.506		1986.154		-4.352
50	43	1975.630		1963.882		-11.748
50	44	1975.038		1962.954		-12.084
50	45	1992.256		1978.540		-13.716
50	46	1992.013		1981.045		-10.968
50	47	1976.524		1963.167		-13.357
Max		2029.225		2020.709		13.764
Average		1989.016		1981.325		-7.691
Min		1837.607		1831.730		-23.830
Std Dev		26.105		25.783		6.619



9.24_FSW_EXT_RT_2MHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	2300 kHz
Min Limit	1700 kHz

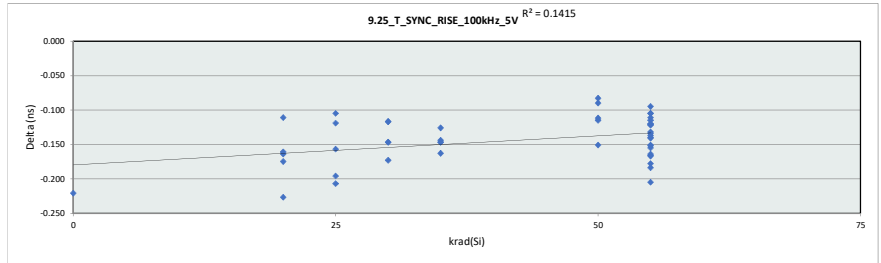


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

9.25_T_SYNC_RISE_100kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

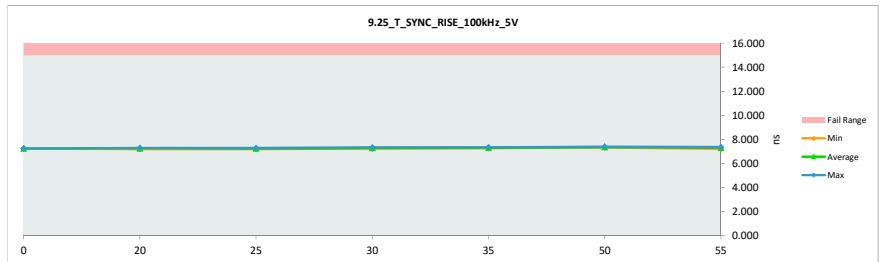
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.458	7.237		-0.221
25	1	7.395	7.276		-0.119
25	2	7.392	7.185		-0.207
25	3	7.409	7.213		-0.196
25	4	7.378	7.273		-0.105
25	5	7.437	7.280		-0.157
20	6	7.414	7.253		-0.161
20	7	7.455	7.291		-0.164
20	8	7.420	7.245		-0.175
20	9	7.422	7.195		-0.227
20	10	7.372	7.261		-0.111
35	11	7.452	7.326		-0.126
35	12	7.415	7.252		-0.163
35	13	7.491	7.344		-0.147
35	14	7.446	7.302		-0.144
35	15	7.412	7.265		-0.147
30	16	7.447	7.330		-0.117
30	17	7.393	7.246		-0.147
30	18	7.422	7.249		-0.173
30	19	7.418	7.301		-0.117
30	20	7.417	7.270		-0.147
55	21	7.425	7.330		-0.095
55	22	7.412	7.280		-0.132
55	23	7.440	7.335		-0.105
55	24	7.435	7.301		-0.134
55	25	7.412	7.248		-0.164
55	26	7.457	7.352		-0.105
55	27	7.384	7.218		-0.166
55	28	7.459	7.348		-0.111
55	29	7.447	7.292		-0.155
55	30	7.469	7.347		-0.122
55	31	7.469	7.329		-0.140
55	32	7.476	7.298		-0.178
55	33	7.479	7.328		-0.151
55	34	7.445	7.308		-0.137
55	35	7.473	7.352		-0.121
55	36	7.479	7.359		-0.120
55	37	7.470	7.303		-0.167
55	38	7.463	7.348		-0.115
55	39	7.484	7.343		-0.141
55	40	7.488	7.283		-0.205
55	41	7.483	7.299		-0.184
55	42	7.451	7.299		-0.152
50	43	7.463	7.373		-0.090
50	44	7.447	7.332		-0.115
50	45	7.466	7.315		-0.151
50	46	7.481	7.398		-0.083
50	47	7.425	7.313		-0.112
Max		7.491	7.398		-0.083
Average		7.441	7.296		-0.144
Min		7.372	7.185		-0.227
Std Dev		0.032	0.047		0.034



9.25_T_SYNC_RISE_100kHz_5V

Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.237	7.195	7.185	7.246	7.252	7.313	7.218
Average	7.237	7.249	7.245	7.279	7.298	7.346	7.314
Max	7.237	7.291	7.280	7.330	7.344	7.398	7.359
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

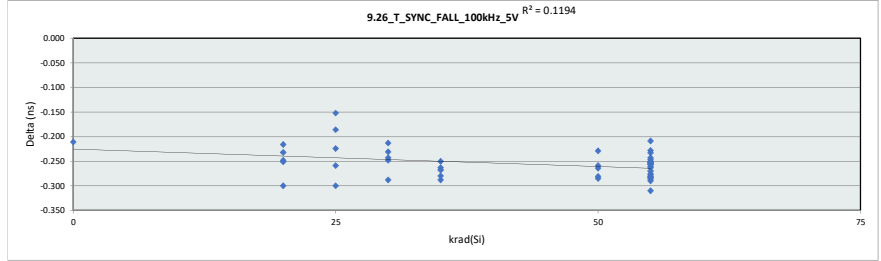


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

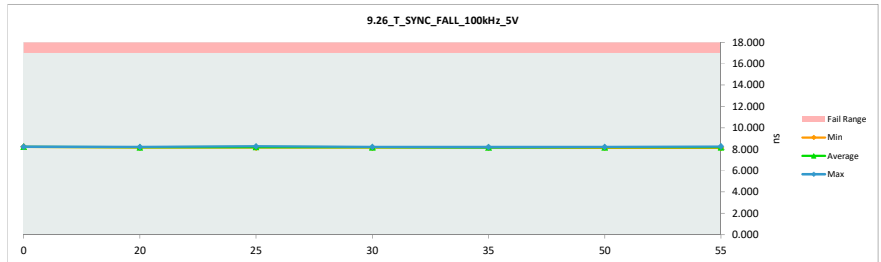
9.26_T_SYNC_FALL_100kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.437	8.226		-0.211
25	1	8.424	8.200		-0.224
25	2	8.419	8.233		-0.186
25	3	8.456	8.197		-0.259
25	4	8.452	8.152		-0.300
25	5	8.427	8.275		-0.152
20	6	8.423	8.172		-0.251
20	7	8.433	8.217		-0.216
20	8	8.430	8.182		-0.248
20	9	8.451	8.151		-0.300
20	10	8.431	8.199		-0.232
35	11	8.429	8.161		-0.268
35	12	8.440	8.152		-0.288
35	13	8.450	8.200		-0.250
35	14	8.440	8.160		-0.280
35	15	8.439	8.176		-0.263
30	16	8.424	8.193		-0.231
30	17	8.432	8.219		-0.213
30	18	8.433	8.185		-0.248
30	19	8.439	8.196		-0.243
30	20	8.438	8.150		-0.288
55	21	8.436	8.189		-0.247
55	22	8.439	8.163		-0.276
55	23	8.436	8.154		-0.282
55	24	8.462	8.181		-0.281
55	25	8.434	8.178		-0.256
55	26	8.448	8.162		-0.286
55	27	8.451	8.141		-0.310
55	28	8.447	8.186		-0.261
55	29	8.443	8.180		-0.263
55	30	8.451	8.196		-0.255
55	31	8.455	8.202		-0.253
55	32	8.459	8.169		-0.290
55	33	8.444	8.201		-0.243
55	34	8.443	8.192		-0.251
55	35	8.463	8.254		-0.209
55	36	8.447	8.169		-0.278
55	37	8.465	8.181		-0.284
55	38	8.444	8.211		-0.233
55	39	8.457	8.187		-0.270
55	40	8.456	8.205		-0.251
55	41	8.439	8.182		-0.257
55	42	8.439	8.211		-0.228
50	43	8.444	8.215		-0.229
50	44	8.442	8.183		-0.259
50	45	8.446	8.182		-0.264
50	46	8.440	8.155		-0.285
50	47	8.425	8.144		-0.281
	Max	8.465	8.275		-0.152
	Average	8.442	8.187		-0.255
	Min	8.419	8.141		-0.310
	Std Dev	0.011	0.028		0.031



9.26_T_SYNC_FALL_100kHz_5	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.226	8.151	8.152	8.150	8.152	8.144	8.141
Average	8.226	8.184	8.211	8.189	8.170	8.176	8.186
Max	8.226	8.217	8.275	8.219	8.200	8.215	8.254
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

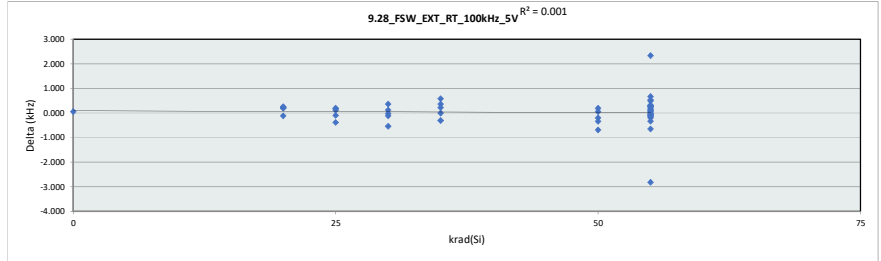


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

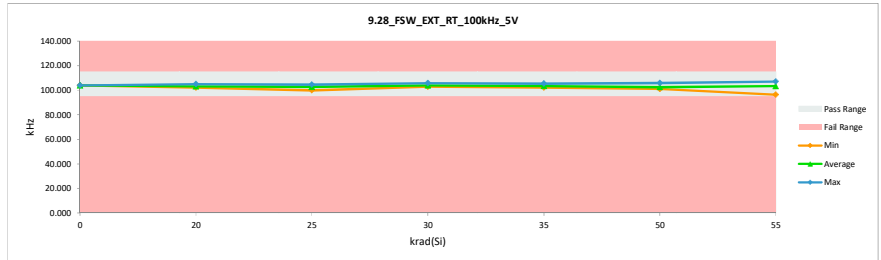
9.28_FSW_EXT_RT_100kHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	115
Min Limit	95

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	103.782	103.833	0.051
25	1	104.318	104.516	0.198
25	2	100.009	99.908	-0.101
25	3	103.807	103.973	0.166
25	4	103.043	103.153	0.110
25	5	102.484	102.096	-0.388
20	6	105.151	105.032	-0.119
20	7	103.411	103.608	0.197
20	8	102.042	102.254	0.212
20	9	101.795	102.048	0.253
20	10	102.275	102.496	0.221
35	11	102.700	103.281	0.581
35	12	103.043	103.037	-0.006
35	13	104.970	105.332	0.362
35	14	101.989	102.208	0.219
35	15	103.835	103.525	-0.310
30	16	102.701	102.818	0.117
30	17	103.083	103.442	0.359
30	18	104.877	104.334	-0.543
30	19	103.674	103.553	-0.121
30	20	105.756	105.728	-0.028
55	21	103.406	103.477	0.071
55	22	103.214	102.875	-0.339
55	23	104.228	104.756	0.528
55	24	105.190	105.138	-0.052
55	25	102.787	102.585	-0.202
55	26	104.584	104.869	0.285
55	27	103.759	104.020	0.261
55	28	103.326	103.436	0.110
55	29	96.077	96.281	0.204
55	30	103.819	104.140	0.321
55	31	105.110	105.384	0.274
55	32	102.008	101.861	-0.147
55	33	102.854	102.826	-0.028
55	34	107.110	107.106	-0.004
55	35	102.806	103.473	0.667
55	36	102.729	102.075	-0.654
55	37	102.932	102.828	-0.104
55	38	104.088	103.991	-0.097
55	39	104.840	102.017	-2.823
55	40	102.384	104.720	2.336
55	41	104.833	104.980	0.147
55	42	99.905	100.395	0.490
50	43	101.270	101.070	-0.200
50	44	102.398	101.704	-0.694
50	45	102.486	102.143	-0.343
50	46	105.680	105.870	0.190
50	47	101.455	101.508	0.053
Max		107.110	107.106	2.336
Average		103.209	103.244	0.035
Min		96.077	96.281	-2.823
Std Dev		1.769	1.788	0.611



9.28_FSW_EXT_RT_100kHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	115
Min Limit	95

krad(Si)	0	20	25	30	35	50	55
LL	95.000	95.000	95.000	95.000	95.000	95.000	95.000
Min	103.833	102.048	99.908	102.818	102.208	101.070	96.281
Average	103.833	103.088	102.729	103.975	103.477	102.459	103.329
Max	103.833	105.032	104.516	105.728	105.332	105.870	107.106
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000

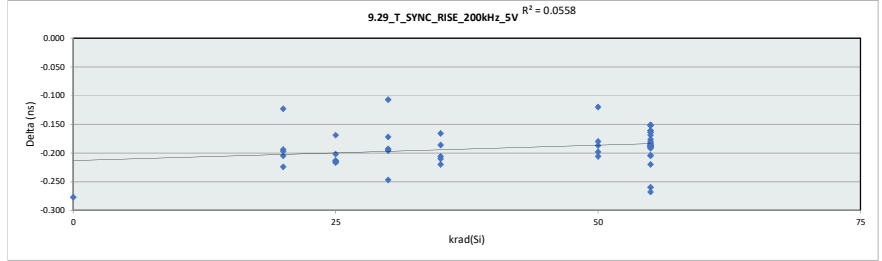


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

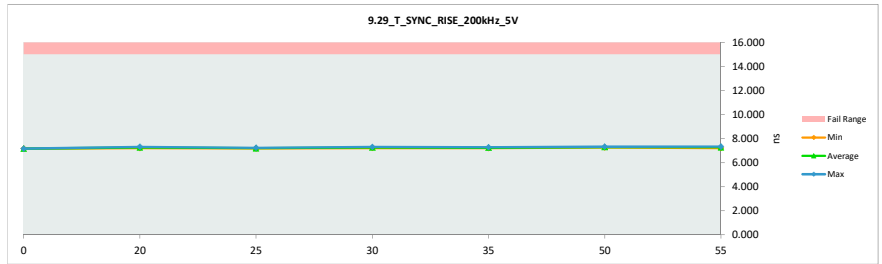
9.29_T_SYNC_RISE_200kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.435	7.158		-0.277
25	1	7.377	7.208		-0.169
25	2	7.408	7.193		-0.215
25	3	7.396	7.179		-0.217
25	4	7.371	7.169		-0.202
25	5	7.443	7.230		-0.213
20	6	7.420	7.196		-0.224
20	7	7.477	7.272		-0.205
20	8	7.435	7.312		-0.123
20	9	7.439	7.242		-0.197
20	10	7.410	7.216		-0.194
35	11	7.443	7.257		-0.186
35	12	7.413	7.247		-0.166
35	13	7.480	7.274		-0.206
35	14	7.451	7.241		-0.210
35	15	7.412	7.192		-0.220
30	16	7.458	7.265		-0.193
30	17	7.407	7.300		-0.107
30	18	7.395	7.223		-0.172
30	19	7.428	7.232		-0.196
30	20	7.467	7.220		-0.247
55	21	7.469	7.280		-0.189
55	22	7.439	7.259		-0.180
55	23	7.454	7.269		-0.185
55	24	7.450	7.260		-0.190
55	25	7.416	7.264		-0.152
55	26	7.470	7.266		-0.204
55	27	7.391	7.215		-0.176
55	28	7.458	7.297		-0.161
55	29	7.450	7.289		-0.161
55	30	7.475	7.288		-0.187
55	31	7.459	7.276		-0.183
55	32	7.477	7.326		-0.151
55	33	7.483	7.291		-0.192
55	34	7.455	7.286		-0.169
55	35	7.489	7.284		-0.205
55	36	7.483	7.294		-0.189
55	37	7.466	7.314		-0.152
55	38	7.478	7.210		-0.268
55	39	7.481	7.221		-0.260
55	40	7.490	7.270		-0.220
55	41	7.476	7.312		-0.164
55	42	7.460	7.273		-0.187
50	43	7.476	7.278		-0.198
50	44	7.437	7.317		-0.120
50	45	7.488	7.282		-0.206
50	46	7.467	7.280		-0.187
50	47	7.428	7.248		-0.180
	Max	7.490	7.326		-0.107
	Average	7.446	7.256		-0.191
	Min	7.371	7.158		-0.277
	Std Dev	0.032	0.041		0.034



9.29_T_SYNC_RISE_200kHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.158	7.196	7.169	7.220	7.192	7.248	7.210
Average	7.158	7.248	7.196	7.248	7.242	7.281	7.275
Max	7.158	7.312	7.230	7.300	7.274	7.317	7.326
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

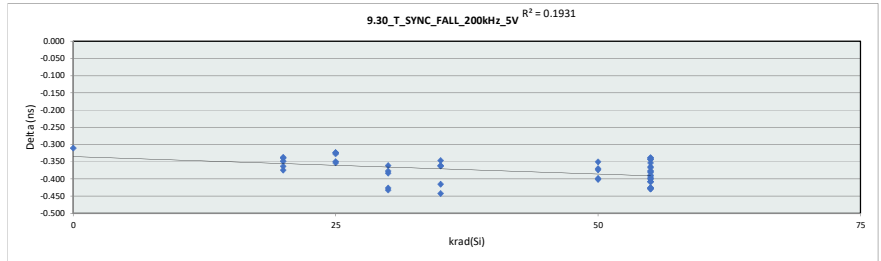


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

9.30_T_SYNC_FALL_200kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

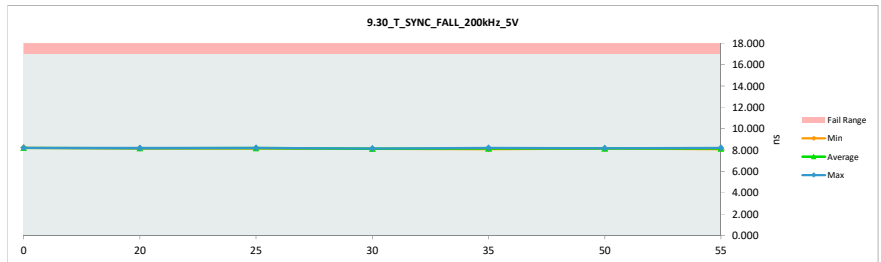
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.516	8.205		-0.311
25	1	8.499	8.175		-0.324
25	2	8.515	8.191		-0.324
25	3	8.514	8.160		-0.354
25	4	8.531	8.181		-0.350
25	5	8.524	8.196		-0.328
20	6	8.526	8.151		-0.375
20	7	8.519	8.179		-0.340
20	8	8.518	8.154		-0.364
20	9	8.527	8.189		-0.338
20	10	8.522	8.173		-0.349
35	11	8.517	8.154		-0.363
35	12	8.519	8.157		-0.362
35	13	8.545	8.198		-0.347
35	14	8.525	8.109		-0.416
35	15	8.527	8.084		-0.443
30	16	8.510	8.148		-0.362
30	17	8.520	8.136		-0.384
30	18	8.529	8.102		-0.427
30	19	8.527	8.149		-0.378
30	20	8.534	8.101		-0.433
55	21	8.532	8.142		-0.390
55	22	8.519	8.090		-0.429
55	23	8.526	8.100		-0.426
55	24	8.538	8.112		-0.426
55	25	8.528	8.150		-0.378
55	26	8.537	8.136		-0.401
55	27	8.535	8.126		-0.409
55	28	8.532	8.137		-0.395
55	29	8.532	8.192		-0.340
55	30	8.519	8.175		-0.344
55	31	8.538	8.160		-0.378
55	32	8.518	8.174		-0.344
55	33	8.534	8.104		-0.430
55	34	8.539	8.140		-0.399
55	35	8.538	8.199		-0.339
55	36	8.543	8.135		-0.408
55	37	8.542	8.188		-0.354
55	38	8.529	8.100		-0.429
55	39	8.537	8.169		-0.368
55	40	8.530	8.121		-0.409
55	41	8.533	8.151		-0.382
55	42	8.534	8.169		-0.365
50	43	8.542	8.143		-0.399
50	44	8.540	8.169		-0.371
50	45	8.529	8.155		-0.374
50	46	8.541	8.139		-0.402
50	47	8.505	8.154		-0.351
	Max	8.545	8.205		-0.311
	Average	8.528	8.150		-0.377
	Min	8.499	8.084		-0.443
	Std Dev	0.010	0.032		0.034



9.30_T_SYNC_FALL_200kHz_5V

Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.205	8.151	8.160	8.101	8.084	8.139	8.090
Average	8.205	8.169	8.181	8.127	8.140	8.152	8.144
Max	8.205	8.189	8.196	8.149	8.198	8.169	8.199
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

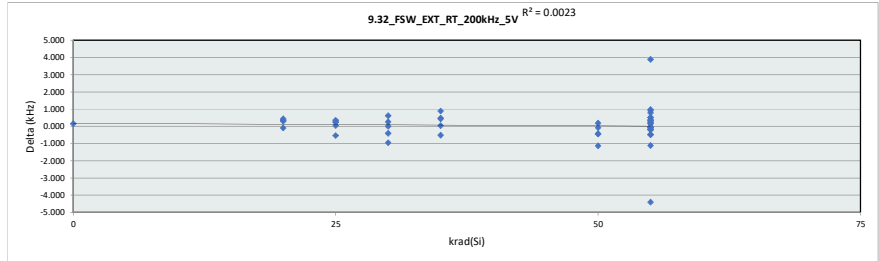


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

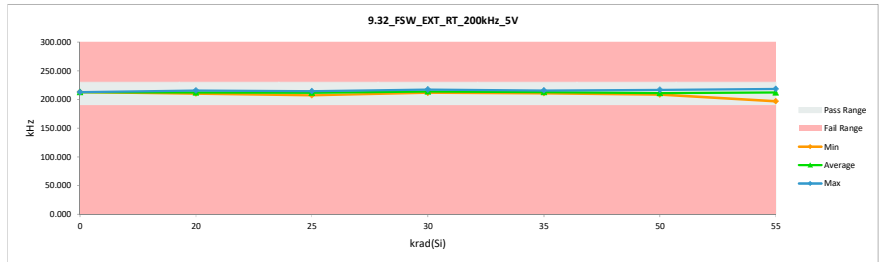
9.32_FSW_EXT_RT_200kHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz kHz
Max Limit	230 230
Min Limit	190 190

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	212.828	212.972		0.144
25	1	213.890	214.235		0.345
25	2	207.107	207.138		0.031
25	3	213.463	213.703		0.240
25	4	211.748	211.976		0.228
25	5	211.079	210.536		-0.543
20	6	215.709	215.608		-0.101
20	7	212.570	212.859		0.289
20	8	210.707	211.069		0.362
20	9	209.958	210.300		0.342
20	10	211.132	211.564		0.432
35	11	211.514	212.393		0.879
35	12	212.145	212.175		0.030
35	13	215.272	215.744		0.472
35	14	210.449	210.875		0.426
35	15	213.273	212.755		-0.518
30	16	211.575	211.825		0.250
30	17	212.364	212.971		0.607
30	18	215.259	214.296		-0.963
30	19	213.040	212.627		-0.413
30	20	217.190	217.182		-0.008
55	21	212.889	213.037		0.148
55	22	212.540	212.056		-0.484
55	23	214.030	214.798		0.768
55	24	215.446	215.249		-0.197
55	25	211.948	211.463		-0.485
55	26	214.277	214.781		0.504
55	27	213.176	213.472		0.296
55	28	212.283	212.440		0.157
55	29	196.582	196.911		0.329
55	30	213.772	214.280		0.508
55	31	214.855	215.250		0.395
55	32	209.988	209.779		-0.209
55	33	211.863	211.837		-0.026
55	34	218.432	218.352		-0.080
55	35	211.362	212.264		0.902
55	36	211.405	210.278		-1.127
55	37	212.026	211.972		-0.054
55	38	213.986	213.882		-0.104
55	39	214.857	210.439		-4.418
55	40	210.812	214.691		3.879
55	41	214.554	214.774		0.220
55	42	207.570	208.535		0.965
50	43	209.024	208.569		-0.455
50	44	210.907	209.768		-1.139
50	45	211.471	211.034		-0.437
50	46	216.548	216.725		0.177
50	47	209.528	209.445		-0.083
	Max	218.432	218.352		3.879
	Average	212.258	212.310		0.052
	Min	196.582	196.911		-4.418
	Std Dev	3.256	3.256		0.982



9.32_FSW_EXT_RT_200kHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	230 kHz
Min Limit	190 kHz

krad(Si)	0	20	25	30	35	50	55
LL	190.000	190.000	190.000	190.000	190.000	190.000	190.000
Min	212.972	210.300	207.138	211.825	210.875	208.569	196.911
Average	212.972	212.280	211.518	213.780	212.788	211.108	212.297
Max	212.972	215.608	214.235	217.182	215.744	216.725	218.352
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000

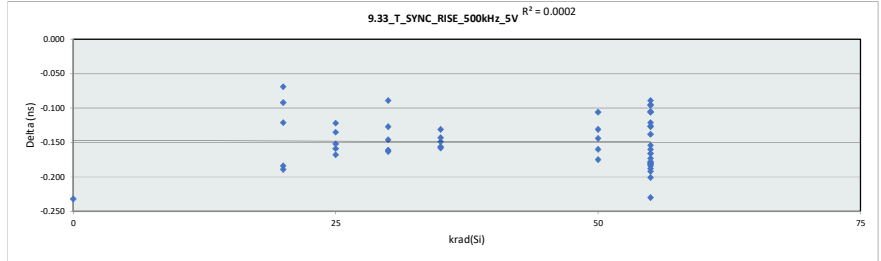


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

9.33_T_SYNC_RISE_500kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

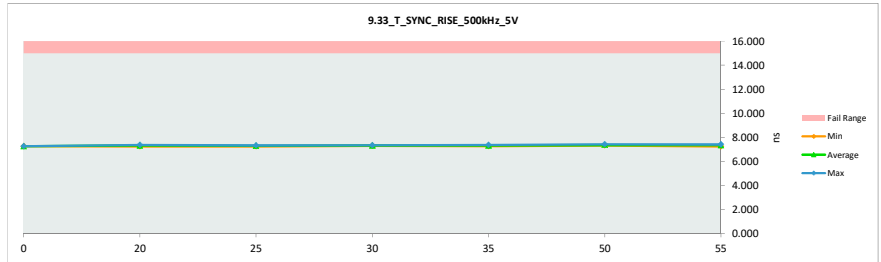
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.488	7.256		-0.232
25	1	7.446	7.324		-0.122
25	2	7.441	7.273		-0.168
25	3	7.436	7.301		-0.135
25	4	7.405	7.246		-0.159
25	5	7.472	7.320		-0.152
20	6	7.431	7.247		-0.184
20	7	7.509	7.320		-0.189
20	8	7.458	7.366		-0.092
20	9	7.456	7.335		-0.121
20	10	7.425	7.356		-0.069
35	11	7.470	7.339		-0.131
35	12	7.444	7.301		-0.143
35	13	7.516	7.358		-0.158
35	14	7.482	7.333		-0.149
35	15	7.425	7.269		-0.156
30	16	7.460	7.297		-0.163
30	17	7.430	7.341		-0.089
30	18	7.451	7.324		-0.127
30	19	7.455	7.309		-0.146
30	20	7.487	7.326		-0.161
55	21	7.478	7.389		-0.089
55	22	7.477	7.371		-0.106
55	23	7.448	7.322		-0.126
55	24	7.469	7.331		-0.138
55	25	7.438	7.246		-0.192
55	26	7.491	7.311		-0.180
55	27	7.413	7.286		-0.127
55	28	7.494	7.399		-0.095
55	29	7.492	7.314		-0.178
55	30	7.492	7.396		-0.096
55	31	7.501	7.328		-0.173
55	32	7.502	7.320		-0.182
55	33	7.500	7.340		-0.160
55	34	7.490	7.369		-0.121
55	35	7.512	7.328		-0.184
55	36	7.516	7.411		-0.105
55	37	7.499	7.269		-0.230
55	38	7.471	7.283		-0.188
55	39	7.495	7.341		-0.154
55	40	7.522	7.321		-0.201
55	41	7.514	7.348		-0.166
55	42	7.503	7.323		-0.180
50	43	7.502	7.342		-0.160
50	44	7.483	7.339		-0.144
50	45	7.497	7.366		-0.131
50	46	7.525	7.419		-0.106
50	47	7.501	7.326		-0.175
	Max	7.525	7.419		-0.069
	Average	7.475	7.327		-0.149
	Min	7.405	7.246		-0.232
	Std Dev	0.031	0.041		0.037



9.33_T_SYNC_RISE_500kHz_5

Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.256	7.247	7.246	7.297	7.269	7.326	7.246
Average	7.256	7.325	7.293	7.319	7.320	7.358	7.334
Max	7.256	7.366	7.324	7.341	7.358	7.419	7.411
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

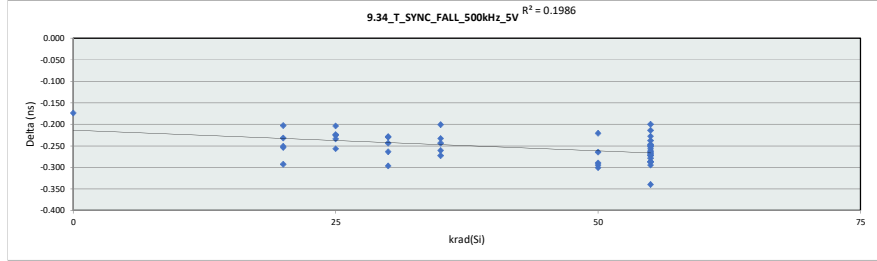


HDR TID Report TP57H5006-SEP

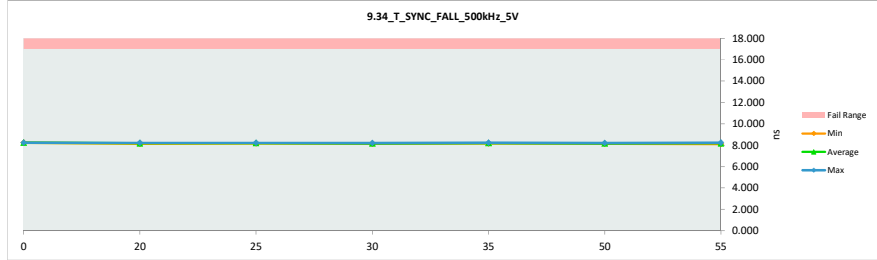
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

9.34_T_SYNC_FALL_500kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.408	8.234		-0.174
25	1	8.425	8.221		-0.204
25	2	8.416	8.190		-0.226
25	3	8.425	8.168		-0.257
25	4	8.430	8.206		-0.224
25	5	8.429	8.195		-0.234
20	6	8.437	8.144		-0.293
20	7	8.418	8.215		-0.203
20	8	8.411	8.157		-0.254
20	9	8.438	8.187		-0.251
20	10	8.433	8.201		-0.232
35	11	8.427	8.166		-0.261
35	12	8.427	8.194		-0.233
35	13	8.452	8.208		-0.244
35	14	8.429	8.228		-0.201
35	15	8.423	8.150		-0.273
30	16	8.407	8.177		-0.230
30	17	8.419	8.122		-0.297
30	18	8.432	8.168		-0.264
30	19	8.424	8.180		-0.244
30	20	8.431	8.202		-0.229
55	21	8.433	8.166		-0.267
55	22	8.441	8.179		-0.262
55	23	8.413	8.166		-0.247
55	24	8.445	8.217		-0.228
55	25	8.422	8.165		-0.257
55	26	8.450	8.186		-0.264
55	27	8.439	8.168		-0.271
55	28	8.430	8.230		-0.200
55	29	8.453	8.166		-0.287
55	30	8.440	8.168		-0.272
55	31	8.464	8.212		-0.252
55	32	8.444	8.195		-0.249
55	33	8.438	8.171		-0.267
55	34	8.444	8.149		-0.295
55	35	8.453	8.174		-0.279
55	36	8.417	8.203		-0.214
55	37	8.433	8.145		-0.288
55	38	8.451	8.111		-0.340
55	39	8.423	8.173		-0.250
55	40	8.445	8.158		-0.287
55	41	8.435	8.162		-0.273
55	42	8.436	8.198		-0.238
50	43	8.458	8.157		-0.301
50	44	8.440	8.145		-0.295
50	45	8.431	8.210		-0.221
50	46	8.440	8.150		-0.290
50	47	8.424	8.159		-0.265
	Max	8.464	8.234		-0.174
	Average	8.433	8.179		-0.254
	Min	8.407	8.111		-0.340
	Std Dev	0.013	0.028		0.032



9.34_T_SYNC_FALL_500kHz_5V		0	20	25	30	35	50	55
Test Site								
Tester								
Test Number								
Max Limit	17	ns						
Min Limit		ns						
LL								
Min		8.234	8.144	8.168	8.122	8.150	8.145	8.111
Average		8.234	8.181	8.196	8.170	8.189	8.164	8.176
Max		8.234	8.215	8.221	8.202	8.228	8.210	8.230
UL		17.000	17.000	17.000	17.000	17.000	17.000	17.000

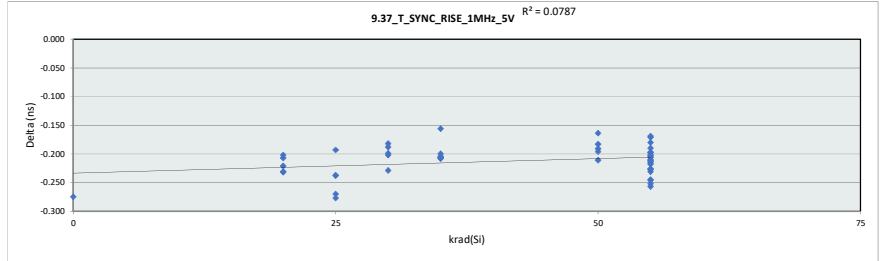


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

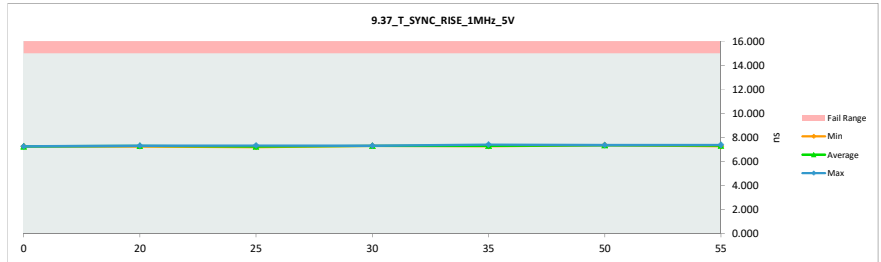
9.37_T_SYNC_RISE_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	7.524	7.249	-0.275
25	1	7.472	7.195	-0.277
25	2	7.485	7.215	-0.270
25	3	7.455	7.217	-0.238
25	4	7.463	7.226	-0.237
25	5	7.506	7.313	-0.193
20	6	7.481	7.274	-0.207
20	7	7.531	7.300	-0.231
20	8	7.512	7.280	-0.232
20	9	7.497	7.295	-0.202
20	10	7.473	7.252	-0.221
35	11	7.518	7.313	-0.205
35	12	7.480	7.273	-0.207
35	13	7.552	7.396	-0.156
35	14	7.510	7.310	-0.200
35	15	7.467	7.259	-0.208
30	16	7.525	7.296	-0.229
30	17	7.479	7.277	-0.202
30	18	7.499	7.300	-0.199
30	19	7.479	7.291	-0.188
30	20	7.489	7.307	-0.182
55	21	7.524	7.298	-0.226
55	22	7.509	7.282	-0.227
55	23	7.516	7.259	-0.257
55	24	7.514	7.269	-0.245
55	25	7.496	7.286	-0.210
55	26	7.521	7.315	-0.206
55	27	7.469	7.263	-0.206
55	28	7.548	7.350	-0.198
55	29	7.521	7.331	-0.190
55	30	7.555	7.324	-0.231
55	31	7.542	7.340	-0.202
55	32	7.535	7.364	-0.171
55	33	7.542	7.373	-0.169
55	34	7.536	7.323	-0.213
55	35	7.541	7.329	-0.212
55	36	7.560	7.357	-0.203
55	37	7.557	7.339	-0.218
55	38	7.530	7.333	-0.197
55	39	7.539	7.287	-0.252
55	40	7.556	7.310	-0.246
55	41	7.543	7.327	-0.216
55	42	7.534	7.354	-0.180
50	43	7.558	7.347	-0.211
50	44	7.511	7.347	-0.164
50	45	7.535	7.339	-0.196
50	46	7.548	7.357	-0.191
50	47	7.520	7.337	-0.183
	Max	7.560	7.396	-0.156
	Average	7.516	7.304	-0.212
	Min	7.455	7.195	-0.277
	Std Dev	0.029	0.044	0.028



9.37_T_SYNC_RISE_1MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.249	7.252	7.195	7.277	7.259	7.337	7.259
Average	7.249	7.280	7.233	7.294	7.310	7.345	7.319
Max	7.249	7.300	7.313	7.307	7.396	7.357	7.373
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

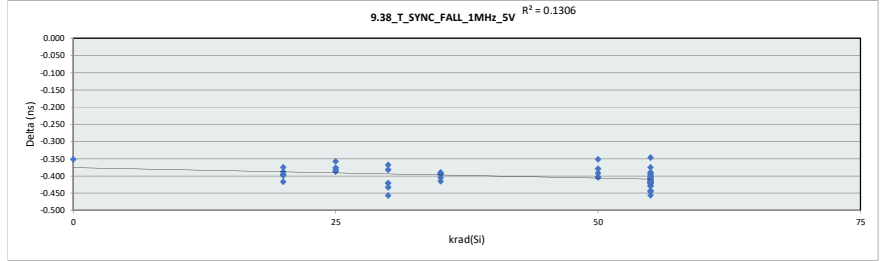


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

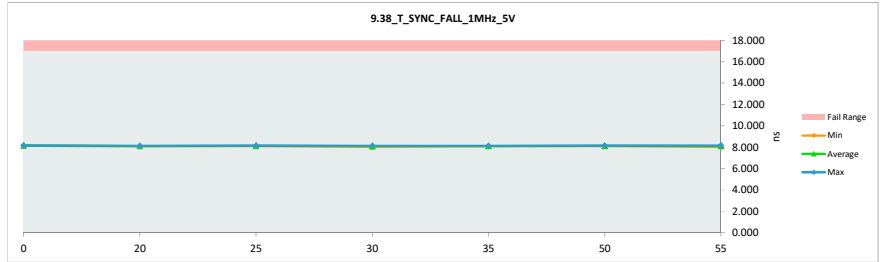
9.38_T_SYNC_FALL_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.500	8.148		-0.352
25	1	8.489	8.113		-0.376
25	2	8.485	8.104		-0.381
25	3	8.498	8.111		-0.387
25	4	8.499	8.141		-0.358
25	5	8.488	8.101		-0.387
20	6	8.511	8.123		-0.388
20	7	8.516	8.117		-0.399
20	8	8.489	8.114		-0.375
20	9	8.494	8.098		-0.396
20	10	8.510	8.093		-0.417
35	11	8.495	8.090		-0.405
35	12	8.507	8.117		-0.390
35	13	8.540	8.125		-0.415
35	14	8.500	8.105		-0.395
35	15	8.495	8.101		-0.394
30	16	8.503	8.121		-0.382
30	17	8.501	8.068		-0.433
30	18	8.501	8.044		-0.457
30	19	8.497	8.129		-0.368
30	20	8.504	8.083		-0.421
55	21	8.510	8.083		-0.427
55	22	8.519	8.108		-0.411
55	23	8.502	8.095		-0.407
55	24	8.514	8.093		-0.421
55	25	8.501	8.055		-0.446
55	26	8.510	8.121		-0.389
55	27	8.510	8.103		-0.407
55	28	8.519	8.102		-0.417
55	29	8.528	8.085		-0.443
55	30	8.518	8.100		-0.418
55	31	8.527	8.110		-0.417
55	32	8.525	8.132		-0.393
55	33	8.511	8.096		-0.415
55	34	8.505	8.107		-0.398
55	35	8.523	8.122		-0.401
55	36	8.518	8.143		-0.375
55	37	8.510	8.080		-0.430
55	38	8.506	8.103		-0.403
55	39	8.504	8.157		-0.347
55	40	8.523	8.067		-0.456
55	41	8.502	8.082		-0.420
55	42	8.510	8.095		-0.415
50	43	8.522	8.119		-0.403
50	44	8.513	8.109		-0.404
50	45	8.497	8.145		-0.352
50	46	8.509	8.130		-0.379
50	47	8.495	8.103		-0.392
	Max	8.540	8.157		-0.347
	Average	8.507	8.106		-0.401
	Min	8.485	8.044		-0.457
	Std Dev	0.012	0.023		0.025



9.38_T_SYNC_FALL_1MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.148	8.093	8.101	8.044	8.090	8.103	8.055
Average	8.148	8.109	8.114	8.089	8.108	8.121	8.102
Max	8.148	8.123	8.141	8.129	8.125	8.145	8.157
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

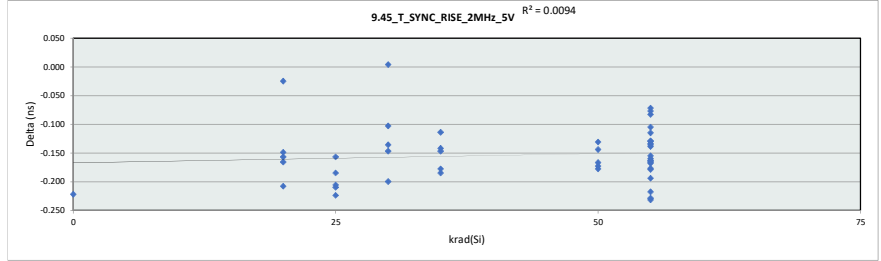


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

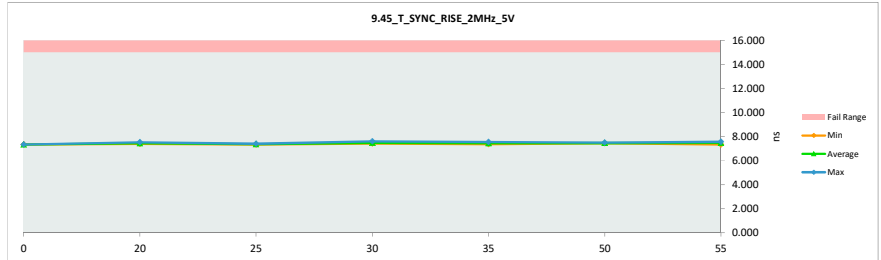
9.45_T_SYNC_RISE_2MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	15
Min Limit	15

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	7.554	7.332	-0.222
25	1	7.556	7.346	-0.210
25	2	7.550	7.365	-0.185
25	3	7.556	7.350	-0.206
25	4	7.489	7.332	-0.157
25	5	7.621	7.397	-0.224
20	6	7.538	7.381	-0.157
20	7	7.627	7.461	-0.166
20	8	7.626	7.477	-0.149
20	9	7.603	7.395	-0.208
20	10	7.552	7.527	-0.025
35	11	7.625	7.447	-0.178
35	12	7.566	7.419	-0.147
35	13	7.649	7.535	-0.114
35	14	7.600	7.458	-0.142
35	15	7.552	7.367	-0.185
30	16	7.624	7.424	-0.200
30	17	7.590	7.443	-0.147
30	18	7.555	7.452	-0.103
30	19	7.593	7.597	0.004
30	20	7.564	7.428	-0.136
55	21	7.606	7.491	-0.115
55	22	7.554	7.471	-0.083
55	23	7.592	7.429	-0.163
55	24	7.583	7.453	-0.130
55	25	7.570	7.436	-0.134
55	26	7.561	7.489	-0.072
55	27	7.556	7.324	-0.232
55	28	7.634	7.468	-0.166
55	29	7.586	7.368	-0.218
55	30	7.651	7.487	-0.164
55	31	7.578	7.449	-0.129
55	32	7.632	7.453	-0.179
55	33	7.629	7.474	-0.155
55	34	7.630	7.494	-0.136
55	35	7.639	7.562	-0.077
55	36	7.652	7.475	-0.177
55	37	7.630	7.436	-0.194
55	38	7.637	7.532	-0.105
55	39	7.632	7.472	-0.160
55	40	7.654	7.425	-0.229
55	41	7.651	7.483	-0.168
55	42	7.612	7.473	-0.139
50	43	7.623	7.492	-0.131
50	44	7.622	7.449	-0.173
50	45	7.612	7.445	-0.167
50	46	7.627	7.449	-0.178
50	47	7.574	7.430	-0.144
Max		7.654	7.597	0.004
Average		7.598	7.445	-0.154
Min		7.489	7.324	-0.232
Std Dev		0.038	0.059	0.049



9.45_T_SYNC_RISE_2MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	15
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.332	7.381	7.332	7.424	7.367	7.430	7.324
Average	7.332	7.448	7.358	7.469	7.445	7.453	7.461
Max	7.332	7.527	7.397	7.597	7.535	7.492	7.562
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

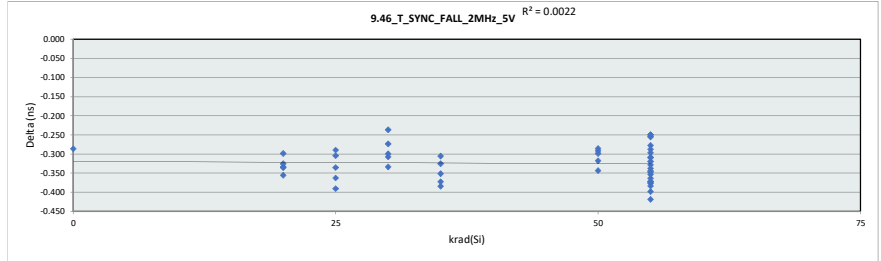


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

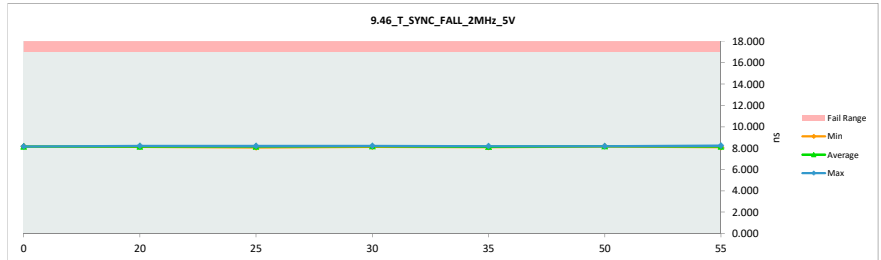
9.46_T_SYNC_FALL_2MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.436	8.149		-0.287
25	1	8.436	8.146		-0.290
25	2	8.495	8.190		-0.305
25	3	8.449	8.058		-0.391
25	4	8.454	8.118		-0.336
25	5	8.541	8.178		-0.363
20	6	8.453	8.127		-0.326
20	7	8.443	8.107		-0.336
20	8	8.517	8.161		-0.356
20	9	8.502	8.203		-0.299
20	10	8.473	8.139		-0.334
35	11	8.566	8.181		-0.385
35	12	8.445	8.139		-0.306
35	13	8.438	8.112		-0.326
35	14	8.451	8.099		-0.352
35	15	8.447	8.074		-0.373
30	16	8.444	8.110		-0.334
30	17	8.457	8.149		-0.308
30	18	8.458	8.184		-0.274
30	19	8.441	8.204		-0.237
30	20	8.463	8.163		-0.300
55	21	8.470	8.160		-0.310
55	22	8.467	8.103		-0.364
55	23	8.488	8.150		-0.338
55	24	8.503	8.131		-0.372
55	25	8.431	8.143		-0.288
55	26	8.461	8.183		-0.278
55	27	8.463	8.213		-0.250
55	28	8.489	8.192		-0.297
55	29	8.496	8.121		-0.375
55	30	8.443	8.095		-0.348
55	31	8.482	8.173		-0.309
55	32	8.474	8.218		-0.256
55	33	8.514	8.160		-0.354
55	34	8.439	8.119		-0.320
55	35	8.470	8.093		-0.377
55	36	8.554	8.155		-0.399
55	37	8.455	8.071		-0.384
55	38	8.464	8.119		-0.345
55	39	8.451	8.197		-0.254
55	40	8.542	8.123		-0.419
55	41	8.444	8.194		-0.250
55	42	8.447	8.118		-0.329
50	43	8.467	8.149		-0.318
50	44	8.472	8.180		-0.292
50	45	8.462	8.163		-0.299
50	46	8.522	8.178		-0.344
50	47	8.439	8.153		-0.286
	Max	8.566	8.218		-0.237
	Average	8.471	8.147		-0.324
	Min	8.431	8.058		-0.419
	Std Dev	0.033	0.039		0.043



9.46_T_SYNC_FALL_2MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.149	8.107	8.058	8.110	8.074	8.149	8.071
Average	8.149	8.147	8.138	8.162	8.121	8.165	8.147
Max	8.149	8.203	8.190	8.204	8.181	8.180	8.218
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

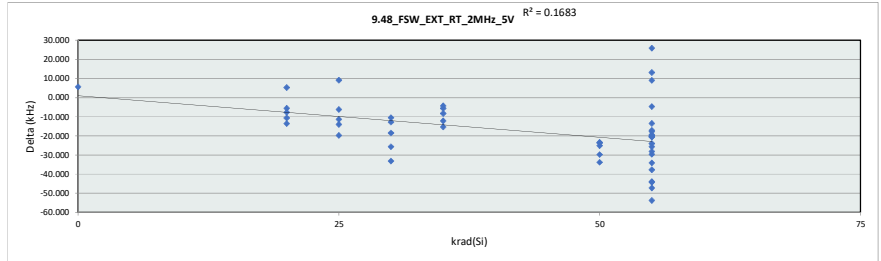


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

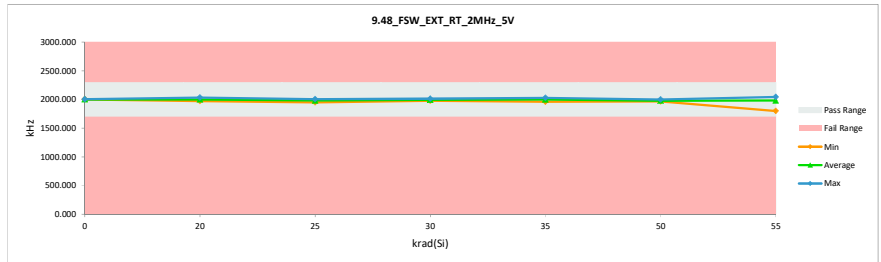
9.48_FSW_EXT_RT_2MHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	2300
Min Limit	1700

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	1997.847	2003.435	5.588
25	1	2007.593	1987.822	-19.771
25	2	1978.742	1967.358	-11.384
25	3	2005.119	1998.900	-6.219
25	4	1997.739	2006.778	9.039
25	5	1963.728	1949.705	-14.023
20	6	2029.974	2035.191	5.217
20	7	2031.851	2024.154	-7.697
20	8	1987.149	1981.542	-5.607
20	9	1985.951	1972.349	-13.602
20	10	2000.208	1989.512	-10.696
35	11	1967.971	1959.655	-8.316
35	12	2017.260	2012.900	-4.360
35	13	2041.577	2029.370	-12.207
35	14	2016.610	2010.947	-5.663
35	15	2016.192	2000.838	-15.354
30	16	2009.812	1984.117	-25.695
30	17	1990.040	1977.162	-12.878
30	18	2032.132	2013.615	-18.517
30	19	2001.980	1991.482	-10.498
30	20	2039.528	2006.366	-33.162
55	21	2016.546	1978.820	-37.726
55	22	2031.095	2007.030	-24.065
55	23	1994.857	1977.126	-17.731
55	24	2040.736	2011.088	-29.648
55	25	2020.379	1976.382	-43.997
55	26	2017.587	2043.454	25.867
55	27	2006.891	1987.442	-19.449
55	28	1993.115	1964.912	-28.203
55	29	1804.417	1799.680	-4.737
55	30	2042.209	2022.254	-19.955
55	31	2017.962	2031.062	13.100
55	32	2012.067	1958.260	-53.807
55	33	1993.861	1959.692	-34.169
55	34	2050.824	2030.212	-20.612
55	35	2013.024	1992.758	-20.266
55	36	1976.737	1951.057	-25.680
55	37	2020.739	2003.555	-17.184
55	38	2024.799	2004.263	-20.536
55	39	2015.215	1967.982	-47.233
55	40	1978.064	1987.046	8.982
55	41	2018.820	1974.570	-44.250
55	42	2024.949	2011.441	-13.508
50	43	2005.152	1979.981	-25.171
50	44	2000.495	1970.689	-29.806
50	45	2024.805	2001.085	-23.720
50	46	1995.906	1972.531	-23.375
50	47	2001.015	1967.156	-33.859
Max		2050.824	2043.454	25.867
Average		2005.443	1988.223	-17.220
Min		1804.417	1799.680	-53.807
Std Dev		35.751	36.444	15.984



9.48_FSW_EXT_RT_2MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	2300
Min Limit	1700

krad(Si)	0	20	25	30	35	50	55
LL	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000
Min	2003.435	1972.349	1949.705	1977.162	1959.655	1967.156	1799.680
Average	2003.435	2000.550	1982.113	1994.548	2002.742	1978.288	1983.640
Max	2003.435	2035.191	2006.778	2013.615	2029.370	2001.085	2043.454
UL	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000

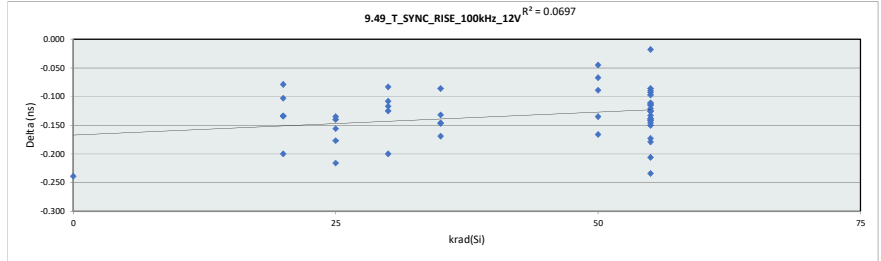


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

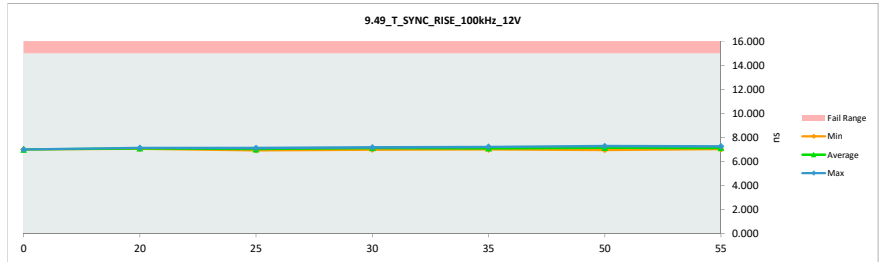
9.49_T_SYNC_RISE_100kHz_12	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	7.228	6.989	-0.239
25	1	7.280	7.124	-0.156
25	2	7.264	7.124	-0.140
25	3	7.110	6.933	-0.177
25	4	7.148	6.932	-0.216
25	5	7.167	7.032	-0.135
20	6	7.255	7.055	-0.200
20	7	7.254	7.120	-0.134
20	8	7.188	7.054	-0.134
20	9	7.239	7.136	-0.103
20	10	7.128	7.049	-0.079
35	11	7.224	7.077	-0.147
35	12	7.133	6.987	-0.146
35	13	7.210	7.041	-0.169
35	14	7.300	7.214	-0.086
35	15	7.228	7.096	-0.132
30	16	7.283	7.158	-0.125
30	17	7.186	7.103	-0.083
30	18	7.278	7.170	-0.108
30	19	7.285	7.168	-0.117
30	20	7.177	6.977	-0.200
55	21	7.212	7.070	-0.142
55	22	7.326	7.229	-0.097
55	23	7.186	7.060	-0.126
55	24	7.233	7.092	-0.141
55	25	7.156	7.031	-0.125
55	26	7.293	7.120	-0.173
55	27	7.184	7.071	-0.113
55	28	7.232	7.146	-0.086
55	29	7.278	7.145	-0.133
55	30	7.285	7.146	-0.139
55	31	7.277	7.166	-0.111
55	32	7.273	7.039	-0.234
55	33	7.292	7.171	-0.121
55	34	7.203	7.057	-0.146
55	35	7.356	7.218	-0.138
55	36	7.296	7.181	-0.115
55	37	7.249	7.159	-0.090
55	38	7.341	7.248	-0.093
55	39	7.183	7.165	-0.018
55	40	7.245	7.039	-0.206
55	41	7.301	7.151	-0.150
55	42	7.212	7.033	-0.179
50	43	7.318	7.273	-0.045
50	44	7.188	7.053	-0.135
50	45	7.312	7.245	-0.067
50	46	7.270	7.181	-0.089
50	47	7.126	6.960	-0.166
	Max	7.356	7.273	-0.018
	Average	7.237	7.104	-0.133
	Min	7.110	6.932	-0.239
	Std Dev	0.061	0.083	0.046



9.49_T_SYNC_RISE_100kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.989	7.049	6.932	6.977	6.987	6.960	7.031
Average	6.989	7.083	7.029	7.115	7.083	7.142	7.124
Max	6.989	7.136	7.124	7.170	7.214	7.273	7.248
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

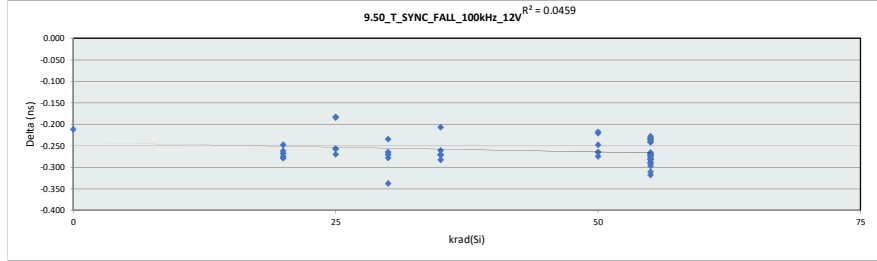


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

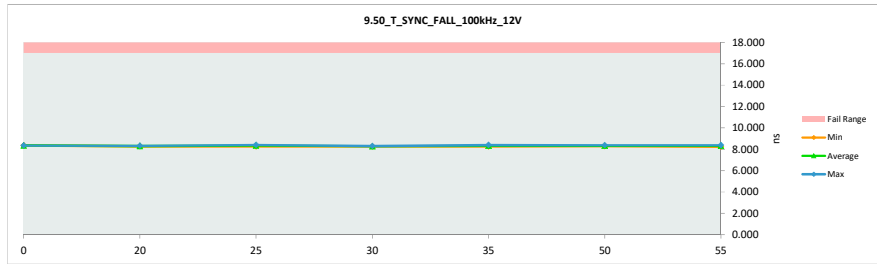
9.50_T_SYNC_FALL_100kHz_12	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	8.562	8.350	-0.212
25	1	8.513	8.255	-0.258
25	2	8.505	8.320	-0.185
25	3	8.606	8.336	-0.270
25	4	8.577	8.394	-0.183
25	5	8.591	8.334	-0.257
20	6	8.540	8.261	-0.279
20	7	8.566	8.304	-0.262
20	8	8.563	8.315	-0.248
20	9	8.559	8.291	-0.268
20	10	8.574	8.299	-0.275
35	11	8.558	8.287	-0.271
35	12	8.590	8.383	-0.207
35	13	8.636	8.364	-0.272
35	14	8.527	8.244	-0.283
35	15	8.546	8.285	-0.261
30	16	8.516	8.281	-0.235
30	17	8.569	8.291	-0.278
30	18	8.520	8.255	-0.265
30	19	8.531	8.260	-0.271
30	20	8.597	8.259	-0.338
55	21	8.598	8.316	-0.282
55	22	8.527	8.235	-0.292
55	23	8.583	8.265	-0.318
55	24	8.567	8.333	-0.234
55	25	8.573	8.276	-0.297
55	26	8.537	8.248	-0.289
55	27	8.552	8.263	-0.289
55	28	8.569	8.300	-0.269
55	29	8.540	8.303	-0.237
55	30	8.580	8.347	-0.233
55	31	8.565	8.254	-0.311
55	32	8.594	8.312	-0.282
55	33	8.547	8.307	-0.240
55	34	8.599	8.326	-0.273
55	35	8.535	8.263	-0.272
55	36	8.563	8.294	-0.269
55	37	8.588	8.308	-0.280
55	38	8.522	8.246	-0.276
55	39	8.609	8.367	-0.242
55	40	8.594	8.366	-0.228
55	41	8.561	8.295	-0.266
55	42	8.579	8.346	-0.233
50	43	8.550	8.275	-0.275
50	44	8.591	8.343	-0.248
50	45	8.539	8.318	-0.221
50	46	8.572	8.307	-0.265
50	47	8.590	8.372	-0.218
Max		8.636	8.394	-0.183
Average		8.564	8.303	-0.261
Min		8.505	8.235	-0.338
Std Dev		0.029	0.041	0.031



9.50_T_SYNC_FALL_100kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.350	8.261	8.255	8.255	8.244	8.275	8.235
Average	8.350	8.294	8.328	8.269	8.313	8.323	8.299
Max	8.350	8.315	8.394	8.291	8.383	8.372	8.367
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

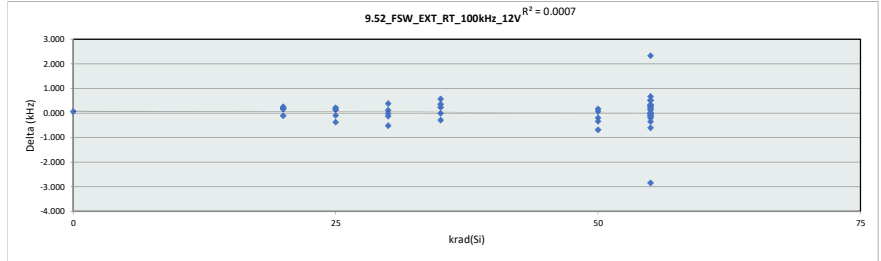


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

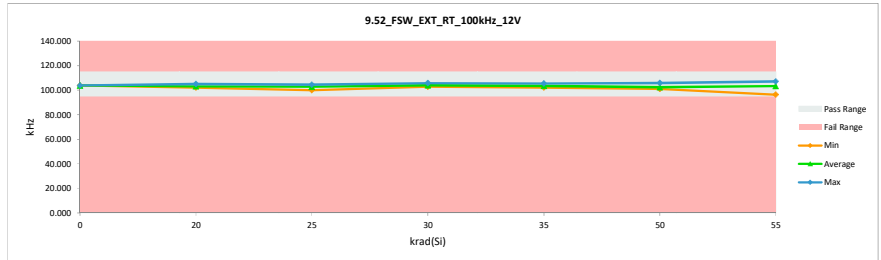
9.52_FSW_EXT_RT_100kHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	115
Min Limit	95

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	103.811	103.868		0.057
25	1	104.332	104.541		0.209
25	2	100.028	99.925		-0.103
25	3	103.876	104.002		0.126
25	4	103.068	103.203		0.135
25	5	102.526	102.147		-0.379
20	6	105.176	105.058		-0.118
20	7	103.433	103.613		0.180
20	8	102.094	102.254		0.160
20	9	101.832	102.077		0.245
20	10	102.348	102.554		0.206
35	11	102.718	103.284		0.566
35	12	103.084	103.063		-0.021
35	13	105.033	105.384		0.351
35	14	101.999	102.218		0.219
35	15	103.843	103.549		-0.294
30	16	102.726	102.832		0.106
30	17	103.131	103.509		0.378
30	18	104.878	104.357		-0.521
30	19	103.684	103.551		-0.133
30	20	105.805	105.775		-0.030
55	21	103.501	103.510		0.009
55	22	103.229	102.872		-0.357
55	23	104.272	104.782		0.510
55	24	105.233	105.204		-0.029
55	25	102.842	102.635		-0.207
55	26	104.584	104.916		0.332
55	27	103.788	104.072		0.284
55	28	103.372	103.491		0.119
55	29	96.100	96.333		0.233
55	30	103.847	104.170		0.323
55	31	105.140	105.418		0.278
55	32	102.044	101.903		-0.141
55	33	102.880	102.856		-0.024
55	34	107.162	107.126		-0.036
55	35	102.833	103.498		0.665
55	36	102.747	102.136		-0.611
55	37	102.982	102.883		-0.099
55	38	104.095	104.001		-0.094
55	39	104.913	102.064		-2.849
55	40	102.433	104.760		2.327
55	41	104.838	105.014		0.176
55	42	99.955	100.470		0.515
50	43	101.293	101.091		-0.202
50	44	102.439	101.750		-0.689
50	45	102.495	102.151		-0.344
50	46	105.723	105.882		0.159
50	47	101.518	101.573		0.055
	Max	107.162	107.126		2.327
	Average	103.243	103.278		0.034
	Min	96.100	96.333		-2.849
	Std Dev	1.770	1.785		0.612



9.52_FSW_EXT_RT_100kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	115
Min Limit	95

krad(Si)	0	20	25	30	35	50	55
LL	95.000	95.000	95.000	95.000	95.000	95.000	95.000
Min	103.868	102.077	99.925	102.832	102.218	101.091	96.333
Average	103.868	103.111	102.764	104.005	103.500	102.489	103.369
Max	103.868	105.058	104.541	105.775	105.384	105.882	107.126
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000

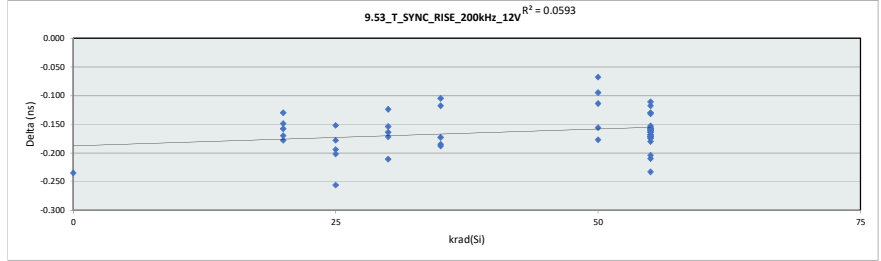


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

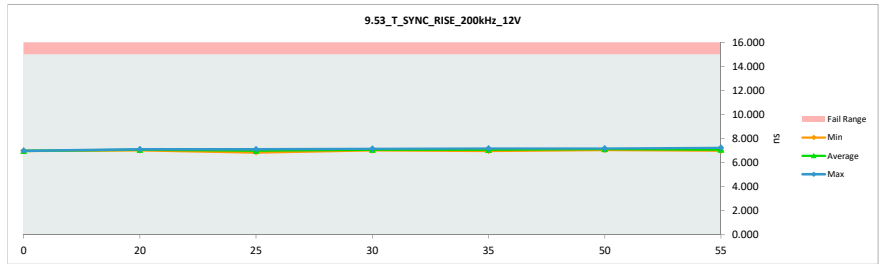
9.53_T_SYNC_RISE_200kHz_12	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.210	6.975		-0.235
25	1	7.252	7.100		-0.152
25	2	7.256	7.078		-0.178
25	3	7.099	6.843		-0.256
25	4	7.141	6.947		-0.194
25	5	7.159	6.957		-0.202
20	6	7.250	7.101		-0.149
20	7	7.247	7.069		-0.178
20	8	7.180	7.010		-0.170
20	9	7.235	7.077		-0.158
20	10	7.163	7.033		-0.130
35	11	7.195	7.077		-0.118
35	12	7.151	6.966		-0.185
35	13	7.198	7.025		-0.173
35	14	7.270	7.165		-0.105
35	15	7.226	7.038		-0.188
30	16	7.283	7.129		-0.154
30	17	7.186	7.022		-0.164
30	18	7.284	7.073		-0.211
30	19	7.279	7.155		-0.124
30	20	7.180	7.008		-0.172
55	21	7.184	7.052		-0.132
55	22	7.323	7.161		-0.162
55	23	7.166	7.055		-0.111
55	24	7.236	7.066		-0.170
55	25	7.184	7.020		-0.164
55	26	7.303	7.093		-0.210
55	27	7.181	7.023		-0.158
55	28	7.235	7.074		-0.161
55	29	7.272	7.154		-0.118
55	30	7.248	7.095		-0.153
55	31	7.283	7.128		-0.155
55	32	7.232	7.064		-0.168
55	33	7.288	7.084		-0.204
55	34	7.220	7.062		-0.158
55	35	7.350	7.220		-0.130
55	36	7.298	7.139		-0.159
55	37	7.238	7.063		-0.175
55	38	7.345	7.165		-0.180
55	39	7.187	7.015		-0.172
55	40	7.230	6.997		-0.233
55	41	7.268	7.096		-0.172
55	42	7.208	7.036		-0.172
50	43	7.327	7.171		-0.156
50	44	7.176	7.081		-0.095
50	45	7.334	7.157		-0.177
50	46	7.249	7.181		-0.068
50	47	7.148	7.034		-0.114
Max		7.350	7.220		-0.068
Average		7.232	7.069		-0.163
Min		7.099	6.843		-0.256
Std Dev		0.059	0.071		0.036



9.53_T_SYNC_RISE_200kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.975	7.010	6.843	7.008	6.966	7.034	6.997
Average	6.975	7.058	6.985	7.077	7.054	7.125	7.085
Max	6.975	7.101	7.100	7.155	7.165	7.181	7.220
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000



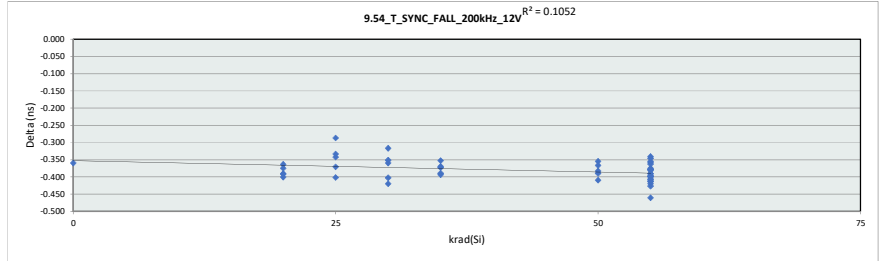
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

9.54_T_SYNC_FALL_200kHz_12

Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	17	17
Min Limit		

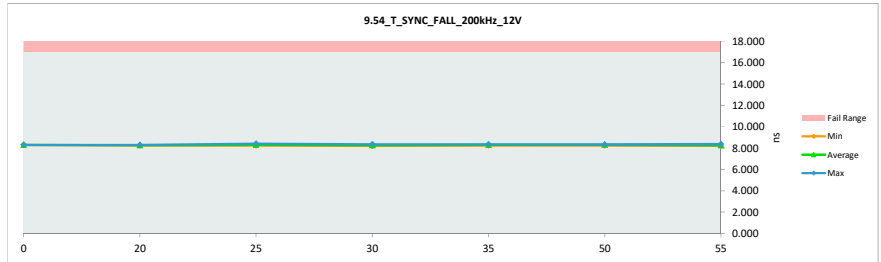
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	8.655	8.295	-0.360
25	1	8.597	8.226	-0.371
25	2	8.600	8.257	-0.343
25	3	8.688	8.401	-0.287
25	4	8.673	8.339	-0.334
25	5	8.688	8.286	-0.402
20	6	8.621	8.246	-0.375
20	7	8.673	8.272	-0.401
20	8	8.665	8.274	-0.391
20	9	8.646	8.282	-0.364
20	10	8.677	8.285	-0.392
35	11	8.642	8.252	-0.390
35	12	8.689	8.336	-0.353
35	13	8.723	8.353	-0.370
35	14	8.603	8.230	-0.373
35	15	8.640	8.246	-0.394
30	16	8.613	8.210	-0.403
30	17	8.658	8.298	-0.360
30	18	8.606	8.289	-0.317
30	19	8.615	8.195	-0.420
30	20	8.696	8.344	-0.352
55	21	8.697	8.298	-0.399
55	22	8.603	8.206	-0.397
55	23	8.693	8.273	-0.420
55	24	8.669	8.255	-0.414
55	25	8.668	8.241	-0.427
55	26	8.649	8.237	-0.412
55	27	8.670	8.263	-0.407
55	28	8.678	8.303	-0.375
55	29	8.640	8.285	-0.355
55	30	8.669	8.287	-0.382
55	31	8.656	8.277	-0.379
55	32	8.678	8.278	-0.400
55	33	8.646	8.255	-0.391
55	34	8.689	8.282	-0.407
55	35	8.634	8.255	-0.379
55	36	8.647	8.289	-0.358
55	37	8.681	8.282	-0.399
55	38	8.607	8.261	-0.346
55	39	8.719	8.258	-0.461
55	40	8.699	8.358	-0.341
55	41	8.677	8.314	-0.363
55	42	8.693	8.302	-0.391
50	43	8.640	8.230	-0.410
50	44	8.688	8.333	-0.355
50	45	8.633	8.250	-0.383
50	46	8.670	8.303	-0.367
50	47	8.681	8.291	-0.390
Max		8.723	8.401	-0.287
Average		8.659	8.279	-0.380
Min		8.597	8.195	-0.461
Std Dev		0.033	0.041	0.031



9.54_T_SYNC_FALL_200kHz_1

Test Site		
Tester		
Test Number		
Max Limit	17	ns
Min Limit		ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.295	8.246	8.226	8.195	8.230	8.230	8.206
Average	8.295	8.272	8.302	8.267	8.283	8.281	8.275
Max	8.295	8.285	8.401	8.344	8.353	8.333	8.358
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

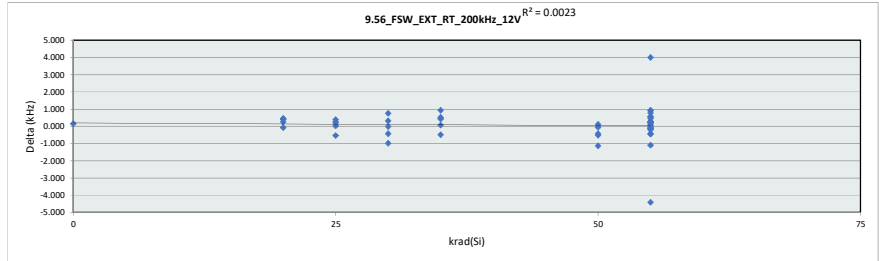


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

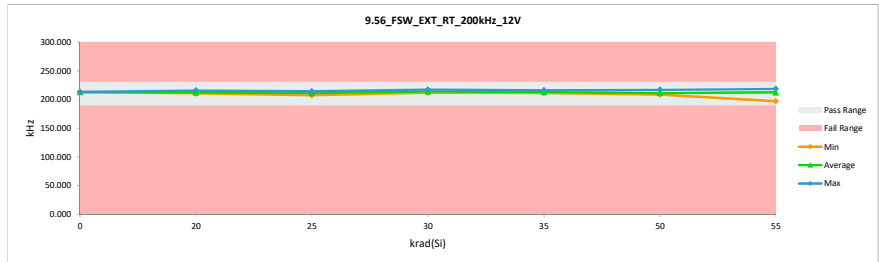
9.56_FSW_EXT_RT_200kHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	230
Min Limit	190

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	212.951	213.099		0.148
25	1	213.938	214.319		0.381
25	2	207.163	207.182		0.019
25	3	213.614	213.870		0.256
25	4	211.866	212.054		0.188
25	5	211.224	210.680		-0.544
20	6	215.777	215.701		-0.076
20	7	212.645	212.894		0.249
20	8	210.774	211.215		0.441
20	9	210.052	210.443		0.391
20	10	211.240	211.683		0.443
35	11	211.602	212.530		0.928
35	12	212.265	212.330		0.065
35	13	215.384	215.898		0.514
35	14	210.502	210.925		0.423
35	15	213.361	212.870		-0.491
30	16	211.593	211.902		0.309
30	17	212.435	213.185		0.750
30	18	215.309	214.315		-0.994
30	19	213.113	212.680		-0.433
30	20	217.279	217.259		-0.020
55	21	213.043	213.262		0.219
55	22	212.553	212.098		-0.455
55	23	214.153	214.921		0.768
55	24	215.545	215.413		-0.132
55	25	212.060	211.628		-0.432
55	26	214.365	214.921		0.556
55	27	213.276	213.544		0.268
55	28	212.411	212.563		0.152
55	29	196.702	196.975		0.273
55	30	213.897	214.442		0.545
55	31	214.946	215.393		0.447
55	32	210.136	209.921		-0.215
55	33	211.970	211.919		-0.051
55	34	218.584	218.469		-0.115
55	35	211.438	212.335		0.897
55	36	211.499	210.404		-1.095
55	37	212.140	212.194		0.054
55	38	214.050	213.951		-0.099
55	39	215.017	210.596		-4.421
55	40	210.944	214.940		3.996
55	41	214.675	214.945		0.270
55	42	207.711	208.639		0.928
50	43	209.119	208.606		-0.513
50	44	211.047	209.910		-1.137
50	45	211.550	211.119		-0.431
50	46	216.720	216.824		0.104
50	47	209.648	209.588		-0.060
	Max	218.584	218.469		3.996
	Average	212.360	212.428		0.068
	Min	196.702	196.975		-4.421
	Std Dev	3.257	3.267		0.996



9.56_FSW_EXT_RT_200kHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	230
Min Limit	190

krad(Si)	0	20	25	30	35	50	55
LL	190.000	190.000	190.000	190.000	190.000	190.000	190.000
Min	213.099	210.443	207.182	211.902	210.925	208.606	196.975
Average	213.099	212.387	211.621	213.868	212.911	211.209	212.431
Max	213.099	215.701	214.319	217.259	215.898	216.824	218.469
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000

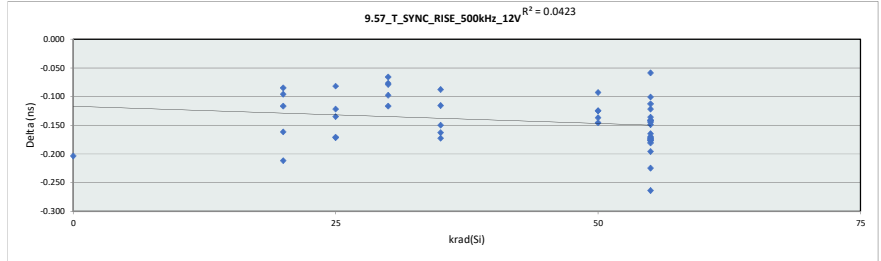


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

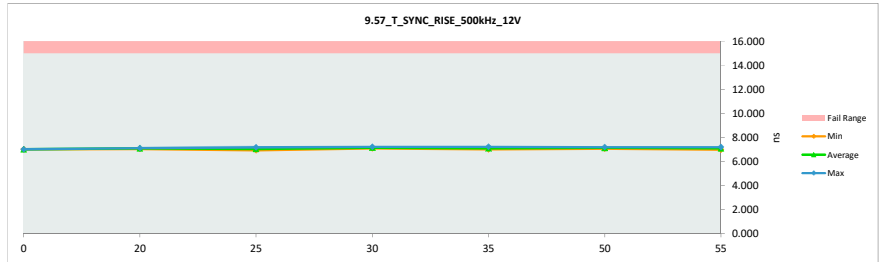
9.57_T_SYNC_RISE_500kHz_12	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	7.210	7.006	-0.204
25	1	7.247	7.165	-0.082
25	2	7.264	7.093	-0.171
25	3	7.092	6.920	-0.172
25	4	7.140	7.005	-0.135
25	5	7.155	7.033	-0.122
20	6	7.260	7.098	-0.162
20	7	7.251	7.039	-0.212
20	8	7.180	7.095	-0.085
20	9	7.222	7.105	-0.117
20	10	7.160	7.064	-0.096
35	11	7.209	7.046	-0.163
35	12	7.140	6.990	-0.150
35	13	7.197	7.024	-0.173
35	14	7.304	7.216	-0.088
35	15	7.213	7.097	-0.116
30	16	7.282	7.205	-0.077
30	17	7.174	7.095	-0.079
30	18	7.281	7.164	-0.117
30	19	7.262	7.164	-0.098
30	20	7.151	7.085	-0.066
55	21	7.174	7.031	-0.143
55	22	7.304	7.132	-0.172
55	23	7.162	6.992	-0.170
55	24	7.252	7.076	-0.176
55	25	7.155	6.974	-0.181
55	26	7.287	7.114	-0.173
55	27	7.179	7.003	-0.176
55	28	7.233	7.132	-0.101
55	29	7.283	7.161	-0.122
55	30	7.256	7.115	-0.141
55	31	7.259	7.146	-0.113
55	32	7.236	7.094	-0.142
55	33	7.277	7.141	-0.136
55	34	7.210	7.014	-0.196
55	35	7.357	7.192	-0.165
55	36	7.303	7.158	-0.145
55	37	7.226	7.049	-0.177
55	38	7.349	7.124	-0.225
55	39	7.163	7.104	-0.059
55	40	7.260	6.996	-0.264
55	41	7.256	7.082	-0.174
55	42	7.206	7.057	-0.149
50	43	7.318	7.193	-0.125
50	44	7.184	7.047	-0.137
50	45	7.292	7.146	-0.146
50	46	7.260	7.135	-0.125
50	47	7.152	7.059	-0.093
Max		7.357	7.216	-0.059
Average		7.229	7.087	-0.142
Min		7.092	6.920	-0.264
Std Dev		0.060	0.067	0.044



9.57_T_SYNC_RISE_500kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

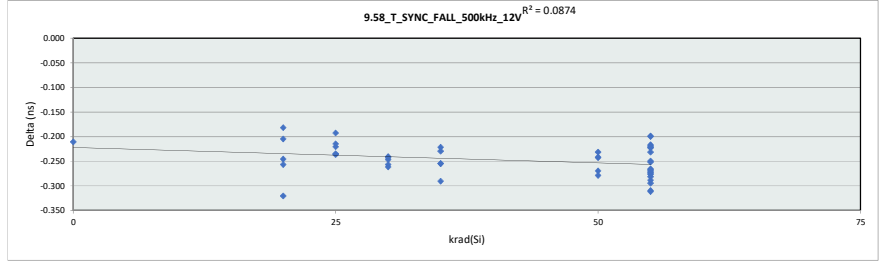
krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.006	7.039	6.920	7.085	6.990	7.047	6.974
Average	7.006	7.080	7.043	7.143	7.075	7.116	7.086
Max	7.006	7.105	7.165	7.205	7.216	7.193	7.192
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000



HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

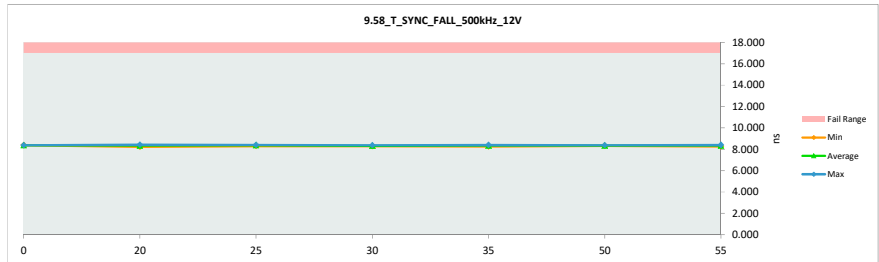
9.58_T_SYNC_FALL_500kHz_12	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	



krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.583	8.372		-0.211
25	1	8.522	8.287		-0.235
25	2	8.506	8.313		-0.193
25	3	8.630	8.393		-0.237
25	4	8.593	8.372		-0.221
25	5	8.609	8.394		-0.215
20	6	8.539	8.218		-0.321
20	7	8.582	8.377		-0.205
20	8	8.585	8.328		-0.257
20	9	8.562	8.316		-0.246
20	10	8.592	8.410		-0.182
35	11	8.562	8.340		-0.222
35	12	8.595	8.365		-0.230
35	13	8.639	8.384		-0.255
35	14	8.535	8.244		-0.291
35	15	8.568	8.313		-0.255
30	16	8.531	8.284		-0.247
30	17	8.581	8.324		-0.257
30	18	8.548	8.307		-0.241
30	19	8.540	8.297		-0.243
30	20	8.622	8.360		-0.262
55	21	8.595	8.343		-0.252
55	22	8.532	8.333		-0.199
55	23	8.608	8.335		-0.273
55	24	8.581	8.362		-0.219
55	25	8.595	8.285		-0.310
55	26	8.560	8.360		-0.200
55	27	8.571	8.354		-0.217
55	28	8.593	8.324		-0.269
55	29	8.574	8.292		-0.282
55	30	8.586	8.336		-0.250
55	31	8.601	8.306		-0.295
55	32	8.583	8.360		-0.223
55	33	8.579	8.267		-0.312
55	34	8.608	8.341		-0.267
55	35	8.547	8.271		-0.276
55	36	8.568	8.345		-0.223
55	37	8.609	8.337		-0.272
55	38	8.530	8.264		-0.266
55	39	8.636	8.347		-0.289
55	40	8.609	8.388		-0.221
55	41	8.583	8.306		-0.277
55	42	8.615	8.383		-0.232
50	43	8.550	8.308		-0.242
50	44	8.608	8.338		-0.270
50	45	8.555	8.323		-0.232
50	46	8.597	8.318		-0.279
50	47	8.609	8.366		-0.243
	Max	8.639	8.410		-0.182
	Average	8.579	8.331		-0.248
	Min	8.506	8.218		-0.321
	Std Dev	0.031	0.041		0.032

9.58_T_SYNC_FALL_500kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.372	8.218	8.287	8.284	8.244	8.308	8.264
Average	8.372	8.330	8.352	8.314	8.329	8.331	8.329
Max	8.372	8.410	8.394	8.360	8.384	8.366	8.388
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

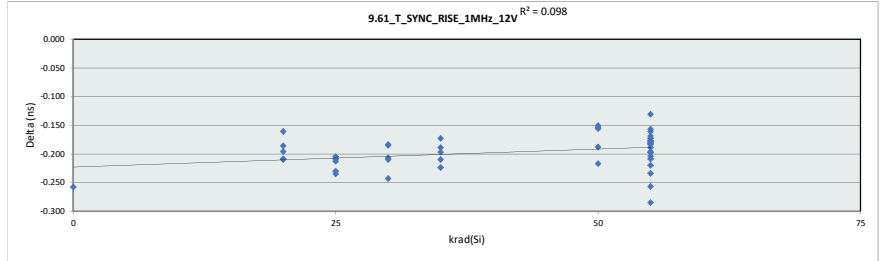


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

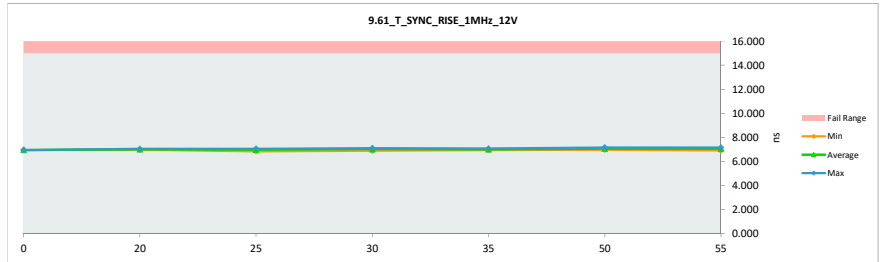
9.61_T_SYNC_RISE_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	7.207	6.949	-0.258
25	1	7.253	7.048	-0.205
25	2	7.267	7.058	-0.209
25	3	7.077	6.842	-0.235
25	4	7.116	6.886	-0.230
25	5	7.151	6.938	-0.213
20	6	7.250	7.040	-0.210
20	7	7.229	7.033	-0.196
20	8	7.171	6.985	-0.186
20	9	7.225	7.016	-0.209
20	10	7.151	6.990	-0.161
35	11	7.210	7.037	-0.173
35	12	7.129	6.932	-0.197
35	13	7.191	7.002	-0.189
35	14	7.290	7.066	-0.224
35	15	7.220	7.010	-0.210
30	16	7.285	7.100	-0.185
30	17	7.169	6.985	-0.184
30	18	7.261	7.051	-0.210
30	19	7.272	7.065	-0.207
30	20	7.150	6.907	-0.243
55	21	7.169	6.991	-0.178
55	22	7.311	7.130	-0.181
55	23	7.152	6.932	-0.220
55	24	7.238	6.953	-0.285
55	25	7.160	6.926	-0.234
55	26	7.271	7.098	-0.173
55	27	7.168	7.037	-0.131
55	28	7.225	7.056	-0.169
55	29	7.278	7.100	-0.178
55	30	7.253	7.064	-0.189
55	31	7.283	7.110	-0.173
55	32	7.211	7.054	-0.157
55	33	7.280	7.098	-0.182
55	34	7.199	7.022	-0.177
55	35	7.345	7.148	-0.197
55	36	7.299	7.102	-0.197
55	37	7.240	7.031	-0.209
55	38	7.328	7.144	-0.184
55	39	7.160	6.999	-0.161
55	40	7.244	6.987	-0.257
55	41	7.254	7.056	-0.198
55	42	7.210	7.006	-0.204
50	43	7.314	7.158	-0.156
50	44	7.190	6.973	-0.217
50	45	7.292	7.138	-0.154
50	46	7.260	7.072	-0.188
50	47	7.118	6.967	-0.151
Max		7.345	7.158	-0.131
Average		7.223	7.027	-0.197
Min		7.077	6.842	-0.285
Std Dev		0.062	0.072	0.030



9.61_T_SYNC_RISE_1MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.949	6.985	6.842	6.907	6.932	6.967	6.926
Average	6.949	7.013	6.954	7.022	7.009	7.062	7.047
Max	6.949	7.040	7.058	7.100	7.066	7.158	7.148
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

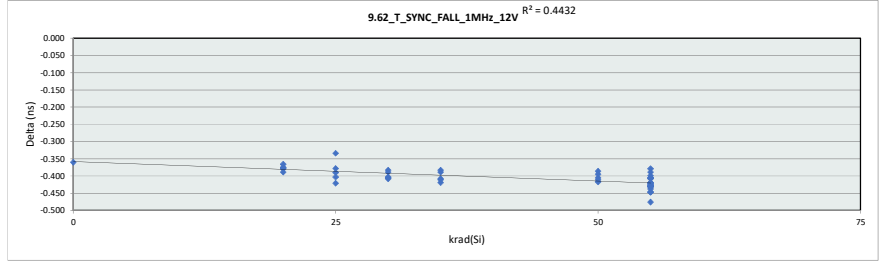


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

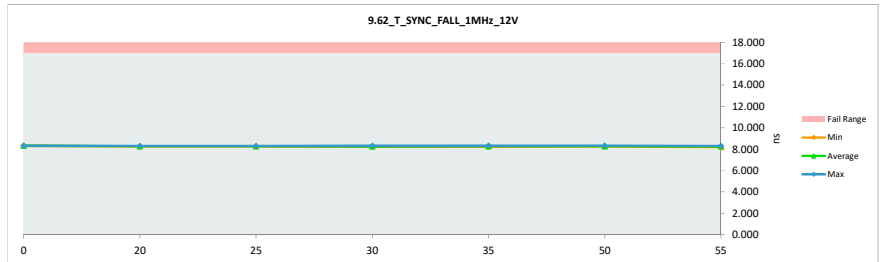
9.62_T_SYNC_FALL_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.681	8.321		-0.360
25	1	8.619	8.241		-0.378
25	2	8.628	8.294		-0.334
25	3	8.724	8.303		-0.421
25	4	8.689	8.299		-0.390
25	5	8.696	8.293		-0.403
20	6	8.618	8.239		-0.379
20	7	8.687	8.298		-0.389
20	8	8.677	8.301		-0.376
20	9	8.651	8.285		-0.366
20	10	8.685	8.310		-0.375
35	11	8.675	8.286		-0.389
35	12	8.702	8.319		-0.383
35	13	8.731	8.312		-0.419
35	14	8.634	8.226		-0.408
35	15	8.664	8.253		-0.411
30	16	8.631	8.228		-0.403
30	17	8.675	8.292		-0.383
30	18	8.628	8.222		-0.406
30	19	8.630	8.222		-0.408
30	20	8.709	8.320		-0.389
55	21	8.707	8.277		-0.430
55	22	8.612	8.207		-0.405
55	23	8.705	8.258		-0.447
55	24	8.700	8.253		-0.447
55	25	8.697	8.278		-0.419
55	26	8.661	8.240		-0.421
55	27	8.664	8.234		-0.430
55	28	8.679	8.251		-0.428
55	29	8.673	8.267		-0.406
55	30	8.679	8.300		-0.379
55	31	8.677	8.201		-0.476
55	32	8.718	8.312		-0.406
55	33	8.653	8.230		-0.423
55	34	8.698	8.278		-0.420
55	35	8.644	8.236		-0.408
55	36	8.657	8.258		-0.399
55	37	8.695	8.265		-0.430
55	38	8.619	8.181		-0.438
55	39	8.722	8.296		-0.426
55	40	8.723	8.297		-0.426
55	41	8.670	8.281		-0.389
55	42	8.715	8.281		-0.434
50	43	8.662	8.257		-0.405
50	44	8.709	8.292		-0.417
50	45	8.651	8.256		-0.395
50	46	8.671	8.260		-0.411
50	47	8.721	8.335		-0.386
	Max	8.731	8.335		-0.334
	Average	8.675	8.270		-0.406
	Min	8.612	8.181		-0.476
	Std Dev	0.033	0.036		0.026



9.62_T_SYNC_FALL_1MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.321	8.239	8.241	8.222	8.226	8.256	8.181
Average	8.321	8.287	8.286	8.257	8.279	8.280	8.258
Max	8.321	8.310	8.303	8.320	8.319	8.335	8.312
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

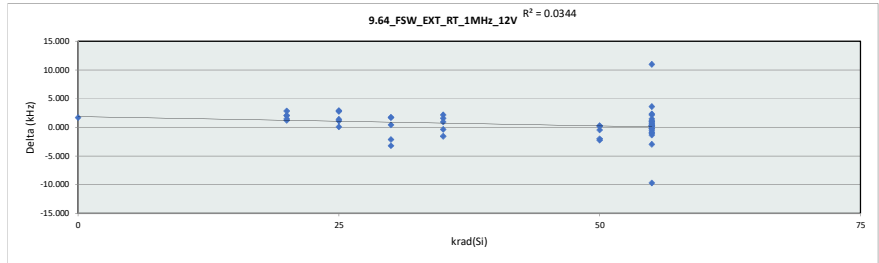


HDR TID Report TP57H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

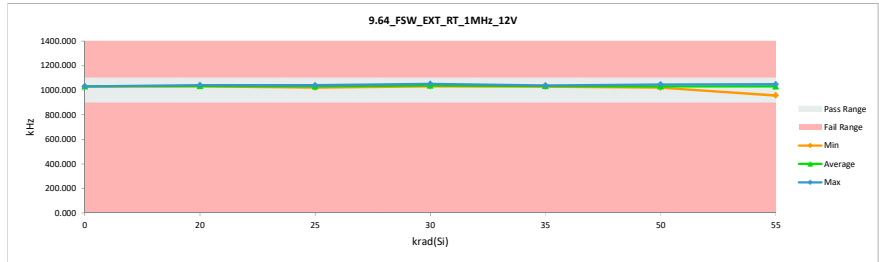
9.64_FSW_EXT_RT_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	1100
Min Limit	900

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	1029.195	1030.875	1.680
25	1	1036.529	1039.400	2.871
25	2	1018.779	1021.540	2.761
25	3	1038.993	1040.361	1.368
25	4	1022.256	1023.364	1.108
25	5	1033.041	1033.102	0.061
20	6	1040.657	1042.732	2.075
20	7	1030.434	1031.649	1.215
20	8	1032.040	1034.882	2.842
20	9	1029.023	1030.472	1.449
20	10	1032.099	1034.105	2.006
35	11	1033.209	1035.348	2.139
35	12	1033.102	1034.648	1.546
35	13	1037.951	1038.869	0.918
35	14	1029.035	1028.662	-0.373
35	15	1034.659	1033.083	-1.576
30	16	1032.123	1033.814	1.691
30	17	1037.277	1039.012	1.735
30	18	1040.198	1038.040	-2.158
30	19	1035.566	1032.337	-3.229
30	20	1050.882	1051.272	0.390
55	21	1037.549	1038.137	0.588
55	22	1033.450	1032.524	-0.926
55	23	1039.642	1041.102	1.460
55	24	1040.260	1040.587	0.327
55	25	1035.919	1034.556	-1.363
55	26	1032.641	1033.529	0.888
55	27	1035.608	1034.544	-1.064
55	28	1032.432	1032.193	-0.239
55	29	957.521	956.918	-0.603
55	30	1039.529	1039.858	0.329
55	31	1032.426	1034.573	2.147
55	32	1026.576	1026.690	0.114
55	33	1035.151	1036.176	1.025
55	34	1047.849	1047.600	-0.249
55	35	1029.880	1030.993	1.113
55	36	1032.553	1029.573	-2.980
55	37	1031.424	1031.632	0.208
55	38	1037.436	1037.662	0.226
55	39	1039.992	1030.285	-9.707
55	40	1029.366	1040.325	10.959
55	41	1038.510	1040.832	2.322
55	42	1025.578	1029.165	3.587
50	43	1024.088	1021.825	-2.263
50	44	1028.466	1026.442	-2.024
50	45	1031.951	1032.241	0.290
50	46	1047.147	1047.292	0.145
50	47	1024.674	1024.202	-0.472
	Max	1050.882	1051.272	10.959
	Average	1032.389	1032.896	0.507
	Min	957.521	956.918	-9.707
	Std Dev	12.696	12.859	2.637



9.64_FSW_EXT_RT_1MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	1100
Min Limit	900

krad(Si)	0	20	25	30	35	50	55
LL	900.000	900.000	900.000	900.000	900.000	900.000	900.000
Min	1030.875	1030.472	1021.540	1032.337	1028.662	1021.825	956.918
Average	1030.875	1034.768	1031.553	1038.895	1034.122	1030.400	1031.793
Max	1030.875	1042.732	1040.361	1051.272	1038.869	1047.292	1047.600
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000

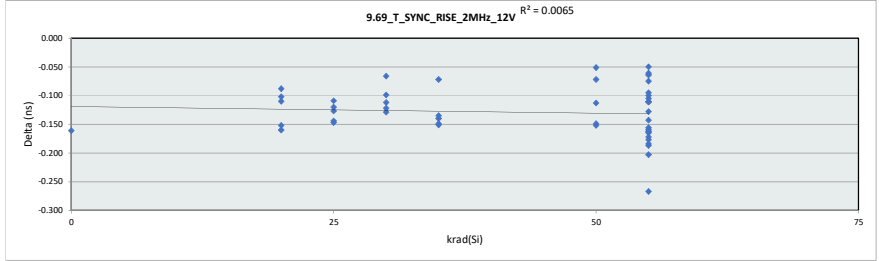


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

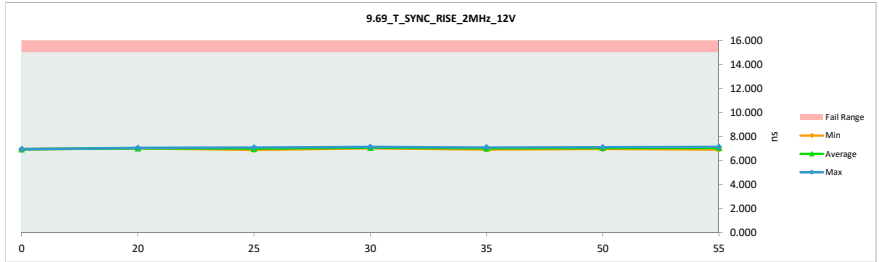
9.69_T_SYNC_RISE_2MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006	SEP_Post	HD	Delta
0	48	7.108		6.947		-0.161
25	1	7.216		7.089		-0.127
25	2	7.178		7.069		-0.109
25	3	7.035		6.888		-0.147
25	4	7.033		6.913		-0.120
25	5	7.093		6.949		-0.144
20	6	7.180		7.028		-0.152
20	7	7.200		7.040		-0.160
20	8	7.122		7.034		-0.088
20	9	7.160		7.050		-0.110
20	10	7.109		7.007		-0.102
35	11	7.152		7.080		-0.072
35	12	7.075		6.926		-0.149
35	13	7.136		6.996		-0.140
35	14	7.247		7.096		-0.151
35	15	7.150		7.015		-0.135
30	16	7.240		7.128		-0.112
30	17	7.123		7.024		-0.099
30	18	7.194		7.065		-0.129
30	19	7.196		7.074		-0.122
30	20	7.098		7.032		-0.066
55	21	7.112		7.051		-0.061
55	22	7.270		7.111		-0.159
55	23	7.111		7.011		-0.100
55	24	7.173		6.970		-0.203
55	25	7.106		7.011		-0.095
55	26	7.187		7.112		-0.075
55	27	7.124		6.952		-0.172
55	28	7.185		7.080		-0.105
55	29	7.199		7.012		-0.187
55	30	7.211		7.083		-0.128
55	31	7.202		7.138		-0.064
55	32	7.174		7.063		-0.111
55	33	7.244		7.081		-0.163
55	34	7.146		6.984		-0.162
55	35	7.292		7.127		-0.165
55	36	7.241		7.130		-0.111
55	37	7.179		7.002		-0.177
55	38	7.290		7.106		-0.184
55	39	7.115		7.065		-0.050
55	40	7.190		6.923		-0.267
55	41	7.224		7.068		-0.156
55	42	7.132		6.989		-0.143
50	43	7.248		7.099		-0.149
50	44	7.139		6.987		-0.152
50	45	7.222		7.109		-0.113
50	46	7.161		7.110		-0.051
50	47	7.047		6.975		-0.072
Max		7.292		7.138		-0.050
Average		7.166		7.037		-0.129
Min		7.033		6.888		-0.267
Std Dev		0.063		0.064		0.043



9.69_T_SYNC_RISE_2MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.947	7.007	6.888	7.024	6.926	6.975	6.923
Average	6.947	7.032	6.982	7.065	7.023	7.056	7.049
Max	6.947	7.050	7.089	7.128	7.096	7.110	7.138
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

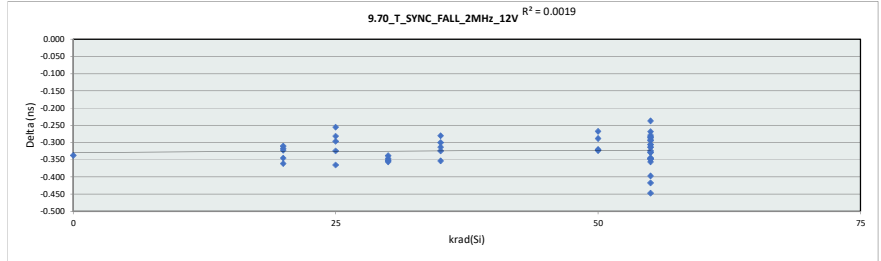


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

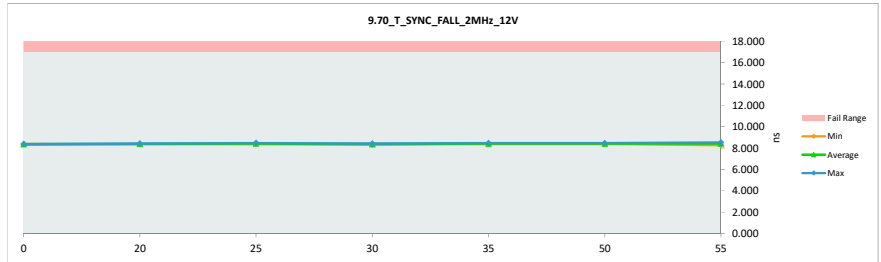
9.70_T_SYNC_FALL_2MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	8.702	8.364	-0.338
25	1	8.661	8.364	-0.297
25	2	8.646	8.364	-0.282
25	3	8.771	8.446	-0.325
25	4	8.752	8.386	-0.366
25	5	8.729	8.473	-0.256
20	6	8.709	8.347	-0.362
20	7	8.738	8.420	-0.318
20	8	8.702	8.391	-0.311
20	9	8.694	8.371	-0.323
20	10	8.722	8.376	-0.346
35	11	8.738	8.424	-0.314
35	12	8.758	8.457	-0.301
35	13	8.792	8.438	-0.354
35	14	8.677	8.396	-0.281
35	15	8.711	8.386	-0.325
30	16	8.662	8.310	-0.352
30	17	8.725	8.368	-0.357
30	18	8.687	8.348	-0.339
30	19	8.690	8.343	-0.347
30	20	8.775	8.421	-0.354
55	21	8.770	8.372	-0.398
55	22	8.664	8.350	-0.314
55	23	8.731	8.374	-0.357
55	24	8.725	8.456	-0.269
55	25	8.737	8.388	-0.349
55	26	8.721	8.396	-0.325
55	27	8.701	8.408	-0.293
55	28	8.756	8.409	-0.347
55	29	8.727	8.279	-0.448
55	30	8.745	8.438	-0.307
55	31	8.728	8.398	-0.330
55	32	8.763	8.416	-0.347
55	33	8.686	8.402	-0.284
55	34	8.748	8.419	-0.329
55	35	8.682	8.395	-0.287
55	36	8.704	8.425	-0.279
55	37	8.752	8.446	-0.306
55	38	8.706	8.392	-0.314
55	39	8.794	8.376	-0.418
55	40	8.752	8.514	-0.238
55	41	8.731	8.386	-0.345
55	42	8.762	8.467	-0.295
50	43	8.693	8.404	-0.289
50	44	8.758	8.436	-0.322
50	45	8.720	8.399	-0.321
50	46	8.730	8.406	-0.324
50	47	8.734	8.466	-0.268
	Max	8.794	8.514	-0.238
	Average	8.724	8.400	-0.324
	Min	8.646	8.279	-0.448
	Std Dev	0.035	0.043	0.040



9.70_T_SYNC_FALL_2MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.364	8.347	8.364	8.310	8.386	8.399	8.279
Average	8.364	8.381	8.407	8.358	8.420	8.422	8.405
Max	8.364	8.420	8.473	8.421	8.457	8.466	8.514
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

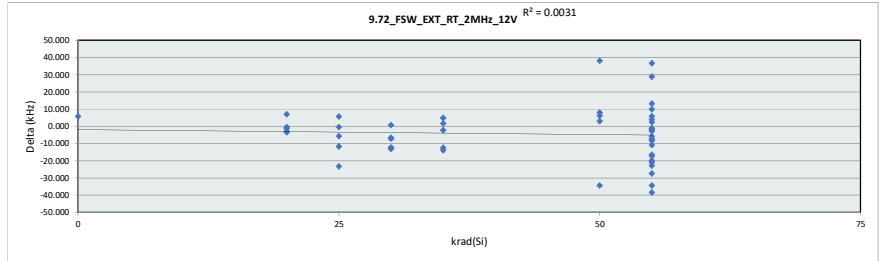


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

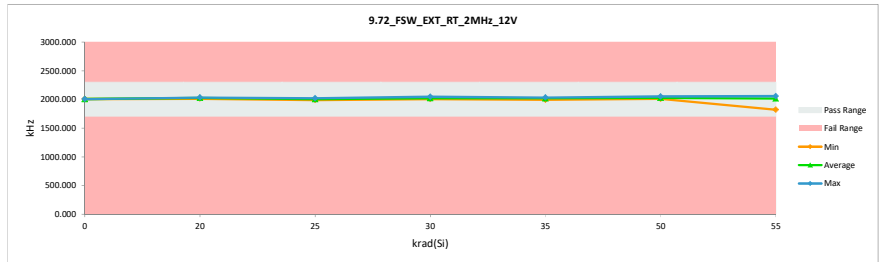
9.72_FSW_EXT_RT_2MHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	2300
Min Limit	1700

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	2001.761	2007.470	5.709
25	1	2032.123	2020.309	-11.814
25	2	1992.799	1992.271	-0.528
25	3	2029.586	2023.772	-5.814
25	4	1994.950	2000.552	5.602
25	5	2016.006	1992.647	-23.359
20	6	2028.581	2035.499	6.918
20	7	2034.084	2031.117	-2.967
20	8	2026.822	2026.308	-0.514
20	9	2018.323	2014.867	-3.456
20	10	2027.474	2026.168	-1.306
35	11	2008.841	1994.886	-13.955
35	12	2024.890	2029.639	4.749
35	13	2046.841	2034.254	-12.587
35	14	2019.098	2016.775	-2.323
35	15	2020.032	2021.582	1.550
30	16	2022.356	2015.690	-6.666
30	17	2027.595	2020.273	-7.322
30	18	2032.177	2032.780	0.603
30	19	2021.626	2009.324	-12.302
30	20	2061.044	2047.820	-13.224
55	21	2037.615	2017.618	-19.997
55	22	2031.696	2029.863	-1.833
55	23	2037.968	2027.020	-10.948
55	24	2043.445	2042.280	-1.165
55	25	2031.311	2010.320	-20.991
55	26	2016.740	2053.374	36.634
55	27	2026.787	2020.820	-5.967
55	28	2028.815	2005.962	-22.853
55	29	1831.328	1822.822	-8.506
55	30	2048.491	2058.323	9.832
55	31	2017.150	2045.854	28.704
55	32	2024.170	2006.886	-17.284
55	33	2032.529	1994.067	-38.462
55	34	2054.816	2051.945	-2.871
55	35	2016.507	2018.852	2.345
55	36	2020.027	1985.589	-34.438
55	37	2028.188	2033.919	5.731
55	38	2034.168	2026.653	-7.515
55	39	2035.703	2008.242	-27.461
55	40	2018.923	2022.816	3.893
55	41	2032.909	2016.327	-16.582
55	42	2030.923	2044.003	13.080
50	43	2011.215	2019.118	7.903
50	44	2018.229	2021.200	2.971
50	45	2025.975	2031.965	5.990
50	46	2045.083	2010.631	-34.452
50	47	2015.512	2053.460	37.948
Max		2061.044	2058.323	37.948
Average		2022.567	2018.207	-4.360
Min		1831.328	1822.822	-38.462
Std Dev		31.199	33.529	15.726



9.72_FSW_EXT_RT_2MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	2300 kHz
Min Limit	1700 kHz

krad(Si)	0	20	25	30	35	50	55
LL	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000
Min	2007.470	2014.867	1992.271	2009.324	1994.886	2010.631	1822.822
Average	2007.470	2026.792	2005.910	2025.177	2019.427	2027.275	2015.616
Max	2007.470	2035.499	2023.772	2047.820	2034.254	2053.460	2058.323
UL	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000

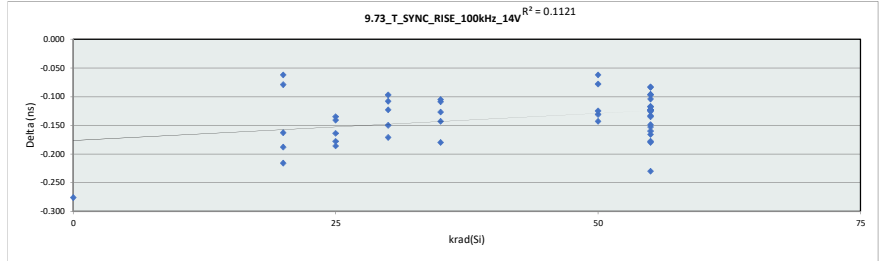


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

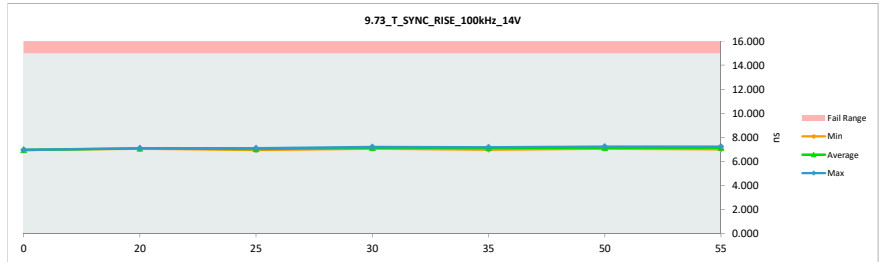
9.73_T_SYNC_RISE_100kHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	15
Min Limit	15

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	7.229	6.953	-0.276
25	1	7.289	7.103	-0.186
25	2	7.268	7.104	-0.164
25	3	7.112	6.934	-0.178
25	4	7.160	7.025	-0.135
25	5	7.154	7.013	-0.141
20	6	7.271	7.083	-0.188
20	7	7.261	7.045	-0.216
20	8	7.167	7.105	-0.062
20	9	7.238	7.075	-0.163
20	10	7.181	7.102	-0.079
35	11	7.235	7.130	-0.105
35	12	7.160	6.980	-0.180
35	13	7.217	7.074	-0.143
35	14	7.308	7.181	-0.127
35	15	7.248	7.139	-0.109
30	16	7.305	7.155	-0.150
30	17	7.196	7.073	-0.123
30	18	7.280	7.109	-0.171
30	19	7.297	7.200	-0.097
30	20	7.171	7.063	-0.108
55	21	7.216	7.093	-0.123
55	22	7.344	7.191	-0.153
55	23	7.176	7.079	-0.097
55	24	7.250	7.146	-0.104
55	25	7.183	7.005	-0.178
55	26	7.291	7.173	-0.118
55	27	7.198	7.075	-0.123
55	28	7.248	7.125	-0.123
55	29	7.290	7.157	-0.133
55	30	7.274	7.178	-0.096
55	31	7.306	7.180	-0.126
55	32	7.205	7.121	-0.084
55	33	7.302	7.136	-0.166
55	34	7.221	7.061	-0.160
55	35	7.349	7.214	-0.135
55	36	7.310	7.161	-0.149
55	37	7.225	7.108	-0.117
55	38	7.346	7.166	-0.180
55	39	7.195	7.112	-0.083
55	40	7.274	7.044	-0.230
55	41	7.288	7.164	-0.124
55	42	7.232	7.108	-0.124
50	43	7.332	7.189	-0.143
50	44	7.212	7.081	-0.131
50	45	7.291	7.229	-0.062
50	46	7.275	7.150	-0.125
50	47	7.131	7.053	-0.078
	Max	7.349	7.229	-0.062
	Average	7.244	7.107	-0.137
	Min	7.112	6.934	-0.276
	Std Dev	0.059	0.066	0.043



9.73_T_SYNC_RISE_100kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	15
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.953	7.045	6.934	7.063	6.980	7.053	7.005
Average	6.953	7.082	7.036	7.120	7.101	7.140	7.127
Max	6.953	7.105	7.104	7.200	7.181	7.229	7.214
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

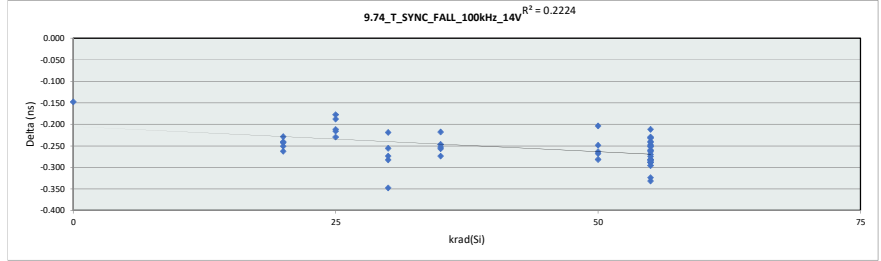


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

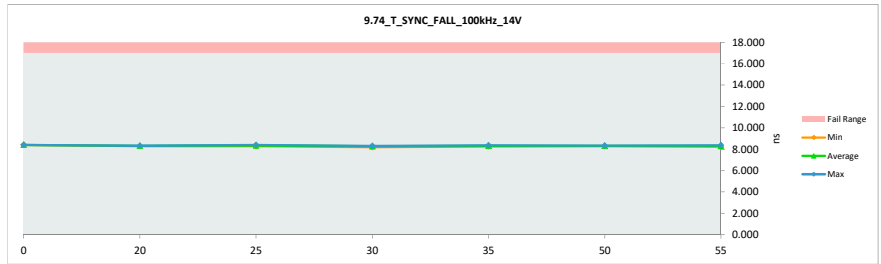
9.74_T_SYNC_FALL_100kHz_14	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	8.551	8.403	-0.148
25	1	8.492	8.280	-0.212
25	2	8.510	8.280	-0.230
25	3	8.614	8.398	-0.216
25	4	8.569	8.391	-0.178
25	5	8.579	8.391	-0.188
20	6	8.532	8.289	-0.243
20	7	8.570	8.329	-0.241
20	8	8.556	8.305	-0.251
20	9	8.552	8.323	-0.229
20	10	8.559	8.296	-0.263
35	11	8.556	8.299	-0.257
35	12	8.598	8.380	-0.218
35	13	8.609	8.362	-0.247
35	14	8.516	8.242	-0.274
35	15	8.553	8.300	-0.253
30	16	8.518	8.299	-0.219
30	17	8.549	8.275	-0.274
30	18	8.530	8.182	-0.348
30	19	8.523	8.267	-0.256
30	20	8.599	8.316	-0.283
55	21	8.599	8.329	-0.270
55	22	8.503	8.221	-0.282
55	23	8.579	8.339	-0.240
55	24	8.570	8.282	-0.288
55	25	8.556	8.292	-0.264
55	26	8.547	8.223	-0.324
55	27	8.549	8.266	-0.283
55	28	8.574	8.342	-0.232
55	29	8.557	8.307	-0.250
55	30	8.573	8.313	-0.260
55	31	8.562	8.278	-0.284
55	32	8.599	8.267	-0.332
55	33	8.546	8.298	-0.248
55	34	8.582	8.352	-0.230
55	35	8.538	8.249	-0.289
55	36	8.537	8.276	-0.261
55	37	8.573	8.298	-0.275
55	38	8.520	8.278	-0.242
55	39	8.608	8.312	-0.296
55	40	8.582	8.370	-0.212
55	41	8.570	8.318	-0.252
55	42	8.612	8.324	-0.288
50	43	8.539	8.271	-0.268
50	44	8.577	8.328	-0.249
50	45	8.540	8.336	-0.204
50	46	8.568	8.286	-0.282
50	47	8.585	8.321	-0.264
Max		8.614	8.403	-0.148
Average		8.560	8.306	-0.254
Min		8.492	8.182	-0.348
Std Dev		0.030	0.047	0.037



9.74_T_SYNC_FALL_100kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.403	8.289	8.280	8.182	8.242	8.271	8.221
Average	8.403	8.308	8.348	8.268	8.317	8.308	8.297
Max	8.403	8.329	8.398	8.316	8.380	8.336	8.370
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

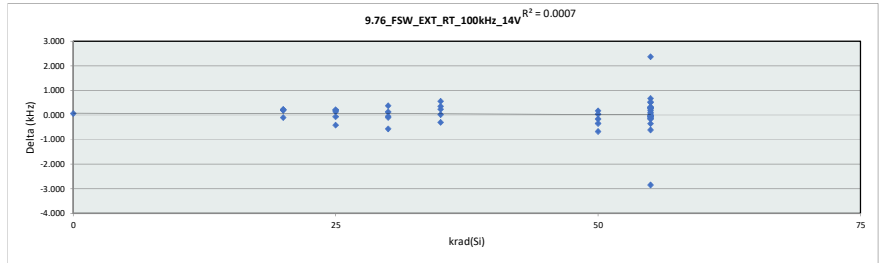


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

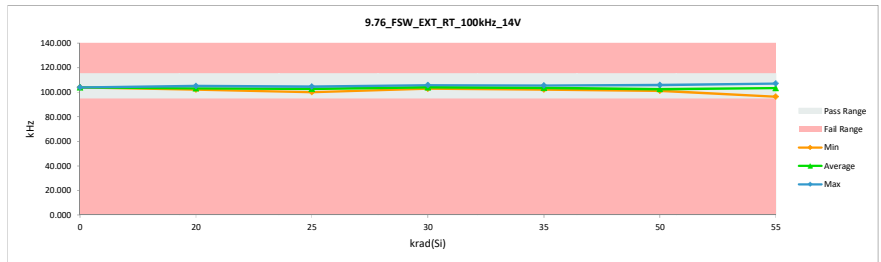
9.76_FSW_EXT_RT_100kHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz kHz
Max Limit	115 115
Min Limit	95 95

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	103.801	103.862	0.061
25	1	104.335	104.551	0.216
25	2	100.020	99.947	-0.073
25	3	103.856	104.037	0.181
25	4	103.076	103.204	0.128
25	5	102.526	102.110	-0.416
20	6	105.180	105.075	-0.105
20	7	103.425	103.641	0.216
20	8	102.079	102.287	0.208
20	9	101.828	102.047	0.219
20	10	102.329	102.522	0.193
35	11	102.727	103.285	0.558
35	12	103.081	103.093	0.012
35	13	105.030	105.383	0.353
35	14	101.997	102.228	0.231
35	15	103.848	103.547	-0.301
30	16	102.723	102.843	0.120
30	17	103.112	103.487	0.375
30	18	104.901	104.336	-0.565
30	19	103.677	103.576	-0.101
30	20	105.801	105.746	-0.055
55	21	103.451	103.494	0.043
55	22	103.238	102.883	-0.355
55	23	104.263	104.771	0.508
55	24	105.224	105.175	-0.049
55	25	102.815	102.650	-0.165
55	26	104.590	104.909	0.319
55	27	103.787	104.063	0.276
55	28	103.378	103.482	0.104
55	29	96.087	96.333	0.246
55	30	103.847	104.172	0.325
55	31	105.128	105.424	0.296
55	32	102.037	101.900	-0.137
55	33	102.861	102.838	-0.023
55	34	107.155	107.118	-0.037
55	35	102.820	103.492	0.672
55	36	102.733	102.120	-0.613
55	37	102.958	102.884	-0.074
55	38	104.102	103.980	-0.122
55	39	104.905	102.051	-2.854
55	40	102.421	104.791	2.370
55	41	104.840	105.020	0.180
55	42	99.953	100.481	0.528
50	43	101.277	101.110	-0.167
50	44	102.432	101.755	-0.677
50	45	102.507	102.159	-0.348
50	46	105.717	105.886	0.169
50	47	101.517	101.549	0.032
Max		107.155	107.118	2.370
Average		103.237	103.277	0.040
Min		96.087	96.333	-2.854
Std Dev		1.772	1.784	0.617



9.76_FSW_EXT_RT_100kHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	115 kHz
Min Limit	95 kHz

krad(Si)	0	20	25	30	35	50	55
LL	95.000	95.000	95.000	95.000	95.000	95.000	95.000
Min	103.862	102.047	99.947	102.843	102.228	101.110	96.333
Average	103.862	103.114	102.770	103.998	103.507	102.492	103.365
Max	103.862	105.075	104.551	105.746	105.383	105.886	107.118
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000

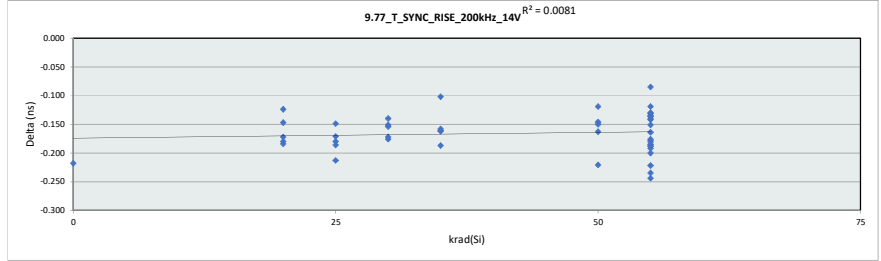


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

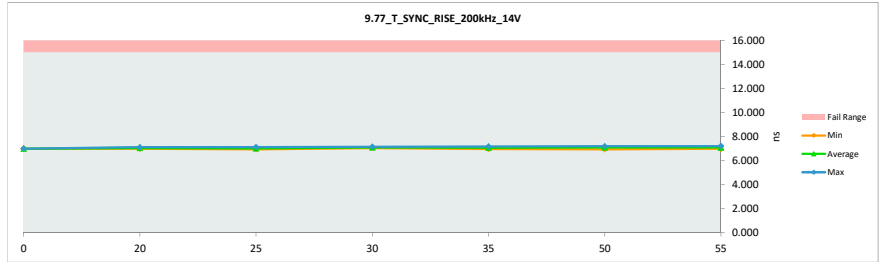
9.77_T_SYNC_RISE_200kHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.211	6.993		-0.218
25	1	7.254	7.083		-0.171
25	2	7.272	7.123		-0.149
25	3	7.127	6.947		-0.180
25	4	7.134	6.948		-0.186
25	5	7.172	6.959		-0.213
20	6	7.258	7.111		-0.147
20	7	7.233	7.109		-0.124
20	8	7.200	7.028		-0.172
20	9	7.222	7.042		-0.180
20	10	7.169	6.985		-0.184
35	11	7.209	7.051		-0.158
35	12	7.152	6.965		-0.187
35	13	7.221	7.060		-0.161
35	14	7.335	7.173		-0.162
35	15	7.224	7.122		-0.102
30	16	7.313	7.141		-0.172
30	17	7.191	7.037		-0.154
30	18	7.286	7.110		-0.176
30	19	7.281	7.130		-0.151
30	20	7.192	7.052		-0.140
55	21	7.185	6.997		-0.188
55	22	7.326	7.162		-0.164
55	23	7.165	6.977		-0.188
55	24	7.250	7.028		-0.222
55	25	7.173	7.038		-0.135
55	26	7.315	7.080		-0.235
55	27	7.191	7.054		-0.137
55	28	7.234	7.093		-0.141
55	29	7.269	7.150		-0.119
55	30	7.257	7.122		-0.135
55	31	7.310	7.134		-0.176
55	32	7.218	7.026		-0.192
55	33	7.292	7.150		-0.142
55	34	7.215	7.085		-0.130
55	35	7.352	7.201		-0.151
55	36	7.305	7.120		-0.185
55	37	7.240	7.040		-0.200
55	38	7.360	7.182		-0.178
55	39	7.174	7.089		-0.085
55	40	7.245	7.001		-0.244
55	41	7.286	7.155		-0.131
55	42	7.215	7.034		-0.181
50	43	7.333	7.183		-0.150
50	44	7.192	7.073		-0.119
50	45	7.343	7.197		-0.146
50	46	7.264	7.101		-0.163
50	47	7.155	6.934		-0.221
	Max	7.360	7.201		-0.085
	Average	7.240	7.074		-0.166
	Min	7.127	6.934		-0.244
	Std Dev	0.061	0.072		0.034



9.77_T_SYNC_RISE_200kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.993	6.985	6.947	7.037	6.965	6.934	6.977
Average	6.993	7.055	7.012	7.094	7.074	7.098	7.087
Max	6.993	7.111	7.123	7.141	7.173	7.197	7.201
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

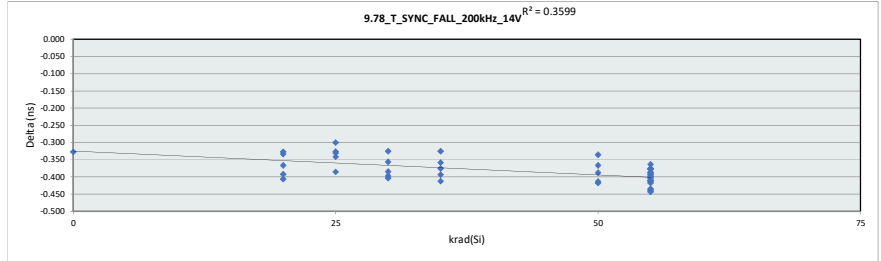


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

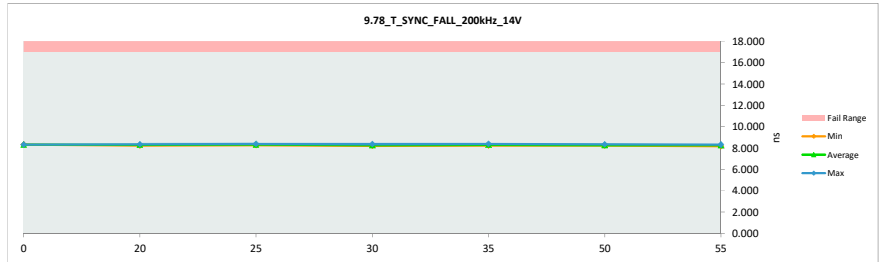
9.78_T_SYNC_FALL_200kHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	8.646	8.318	-0.328
25	1	8.596	8.265	-0.331
25	2	8.593	8.266	-0.327
25	3	8.681	8.380	-0.301
25	4	8.690	8.304	-0.386
25	5	8.679	8.337	-0.342
20	6	8.629	8.222	-0.407
20	7	8.655	8.321	-0.334
20	8	8.676	8.348	-0.328
20	9	8.655	8.288	-0.367
20	10	8.669	8.276	-0.393
35	11	8.657	8.244	-0.413
35	12	8.683	8.324	-0.359
35	13	8.714	8.388	-0.326
35	14	8.597	8.221	-0.376
35	15	8.645	8.251	-0.394
30	16	8.620	8.263	-0.357
30	17	8.664	8.279	-0.385
30	18	8.608	8.210	-0.398
30	19	8.622	8.218	-0.404
30	20	8.696	8.370	-0.326
55	21	8.692	8.257	-0.435
55	22	8.599	8.207	-0.392
55	23	8.684	8.307	-0.377
55	24	8.675	8.231	-0.444
55	25	8.656	8.246	-0.410
55	26	8.630	8.242	-0.388
55	27	8.647	8.258	-0.389
55	28	8.678	8.284	-0.394
55	29	8.630	8.252	-0.378
55	30	8.668	8.230	-0.438
55	31	8.657	8.239	-0.418
55	32	8.678	8.280	-0.398
55	33	8.647	8.283	-0.364
55	34	8.676	8.271	-0.405
55	35	8.625	8.214	-0.411
55	36	8.642	8.241	-0.401
55	37	8.677	8.263	-0.414
55	38	8.614	8.173	-0.441
55	39	8.706	8.319	-0.387
55	40	8.683	8.307	-0.376
55	41	8.664	8.254	-0.410
55	42	8.690	8.290	-0.400
50	43	8.643	8.225	-0.418
50	44	8.680	8.313	-0.367
50	45	8.628	8.240	-0.388
50	46	8.659	8.245	-0.414
50	47	8.674	8.338	-0.336
	Max	8.714	8.388	-0.301
	Average	8.656	8.273	-0.383
	Min	8.593	8.173	-0.444
	Std Dev	0.031	0.048	0.035



9.78_T_SYNC_FALL_200kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.318	8.222	8.265	8.210	8.221	8.225	8.173
Average	8.318	8.291	8.310	8.268	8.286	8.272	8.257
Max	8.318	8.348	8.380	8.370	8.388	8.338	8.319
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

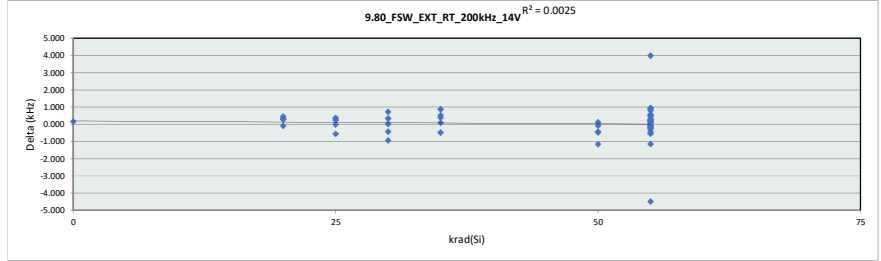


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

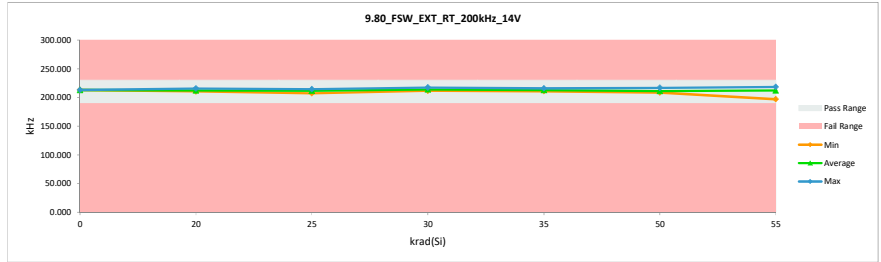
9.80_FSW_EXT_RT_200kHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz kHz
Max Limit	230 230
Min Limit	190 190

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	212.950	213.100		0.150
25	1	213.937	214.305		0.368
25	2	207.163	207.142		-0.021
25	3	213.597	213.897		0.300
25	4	211.861	212.091		0.230
25	5	211.209	210.652		-0.557
20	6	215.769	215.674		-0.095
20	7	212.635	212.915		0.280
20	8	210.760	211.207		0.447
20	9	210.053	210.379		0.326
20	10	211.235	211.535		0.300
35	11	211.616	212.490		0.874
35	12	212.259	212.339		0.080
35	13	215.384	215.902		0.518
35	14	210.502	210.879		0.377
35	15	213.344	212.860		-0.484
30	16	211.570	211.903		0.333
30	17	212.429	213.144		0.715
30	18	215.299	214.354		-0.945
30	19	213.102	212.672		-0.430
30	20	217.285	217.297		0.012
55	21	213.022	213.241		0.219
55	22	212.600	212.058		-0.542
55	23	214.155	214.945		0.790
55	24	215.547	215.399		-0.148
55	25	212.047	211.622		-0.425
55	26	214.329	214.901		0.572
55	27	213.282	213.569		0.287
55	28	212.413	212.536		0.123
55	29	196.680	196.979		0.299
55	30	213.882	214.413		0.531
55	31	214.953	215.403		0.450
55	32	210.133	209.866		-0.267
55	33	211.980	211.917		-0.063
55	34	218.551	218.411		-0.140
55	35	211.436	212.325		0.889
55	36	211.506	210.355		-1.151
55	37	212.135	212.202		0.067
55	38	214.075	213.922		-0.153
55	39	215.033	210.541		-4.492
55	40	210.953	214.932		3.979
55	41	214.667	214.871		0.204
55	42	207.729	208.673		0.944
50	43	209.130	208.658		-0.472
50	44	211.031	209.864		-1.167
50	45	211.534	211.088		-0.446
50	46	216.695	216.802		0.107
50	47	209.633	209.552		-0.081
	Max	218.551	218.411		3.979
	Average	212.356	212.412		0.056
	Min	196.680	196.979		-4.492
	Std Dev	3.257	3.269		1.002



9.80_FSW_EXT_RT_200kHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	230 kHz
Min Limit	190 kHz

krad(Si)	0	20	25	30	35	50	55
LL	190.000	190.000	190.000	190.000	190.000	190.000	190.000
Min	213.100	210.379	207.142	211.903	210.879	208.658	196.979
Average	213.100	212.342	211.617	213.874	212.894	211.193	212.413
Max	213.100	215.674	214.305	217.297	215.902	216.802	218.411
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000

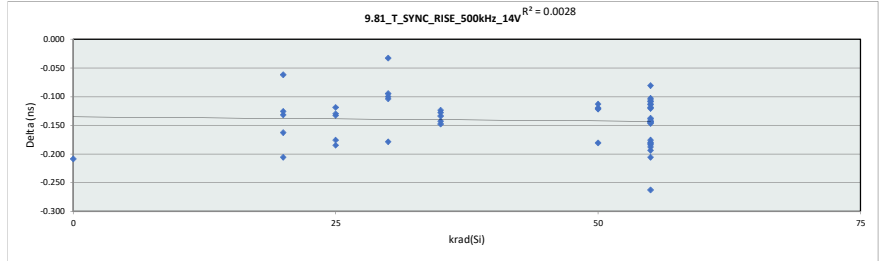


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

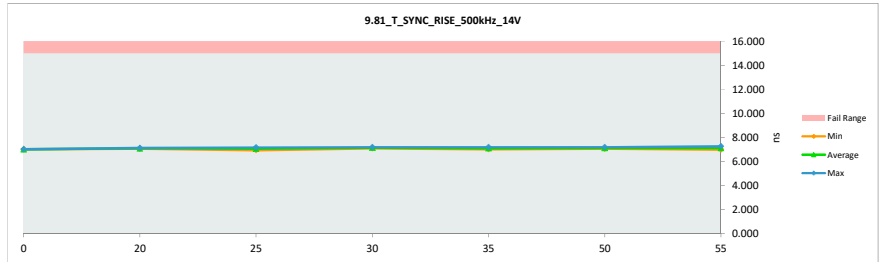
9.81_T_SYNC_RISE_500kHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.217	7.008		-0.209
25	1	7.267	7.148		-0.119
25	2	7.258	7.125		-0.133
25	3	7.104	6.928		-0.176
25	4	7.138	7.008		-0.130
25	5	7.169	6.984		-0.185
20	6	7.255	7.049		-0.206
20	7	7.242	7.110		-0.132
20	8	7.192	7.066		-0.126
20	9	7.234	7.071		-0.163
20	10	7.172	7.110		-0.062
35	11	7.223	7.080		-0.143
35	12	7.152	7.004		-0.148
35	13	7.204	7.076		-0.128
35	14	7.314	7.190		-0.124
35	15	7.228	7.094		-0.134
30	16	7.293	7.189		-0.104
30	17	7.190	7.090		-0.100
30	18	7.282	7.103		-0.179
30	19	7.271	7.176		-0.095
30	20	7.151	7.118		-0.033
55	21	7.189	7.007		-0.182
55	22	7.311	7.123		-0.188
55	23	7.163	7.054		-0.109
55	24	7.215	7.077		-0.138
55	25	7.174	7.071		-0.103
55	26	7.299	7.115		-0.184
55	27	7.195	7.019		-0.176
55	28	7.234	7.121		-0.113
55	29	7.271	7.127		-0.144
55	30	7.265	7.121		-0.144
55	31	7.294	7.153		-0.141
55	32	7.232	7.118		-0.114
55	33	7.277	7.131		-0.146
55	34	7.215	7.109		-0.106
55	35	7.368	7.247		-0.121
55	36	7.303	7.184		-0.119
55	37	7.236	7.056		-0.180
55	38	7.343	7.137		-0.206
55	39	7.163	7.082		-0.081
55	40	7.248	6.985		-0.263
55	41	7.264	7.117		-0.147
55	42	7.226	7.032		-0.194
50	43	7.308	7.187		-0.121
50	44	7.179	7.066		-0.113
50	45	7.303	7.122		-0.181
50	46	7.273	7.153		-0.120
50	47	7.161	7.039		-0.122
	Max	7.368	7.247		-0.033
	Average	7.235	7.093		-0.141
	Min	7.104	6.928		-0.263
	Std Dev	0.058	0.063		0.042



9.81_T_SYNC_RISE_500kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.008	7.049	6.928	7.090	7.004	7.039	6.985
Average	7.008	7.081	7.039	7.135	7.089	7.113	7.099
Max	7.008	7.110	7.148	7.189	7.190	7.187	7.247
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000



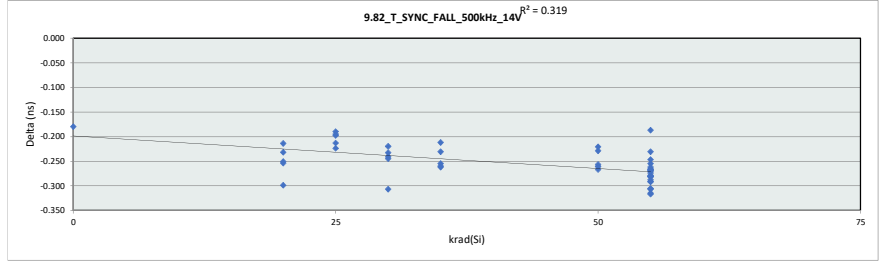
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

9.82_T_SYNC_FALL_500kHz_14

Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	17	17
Min Limit		

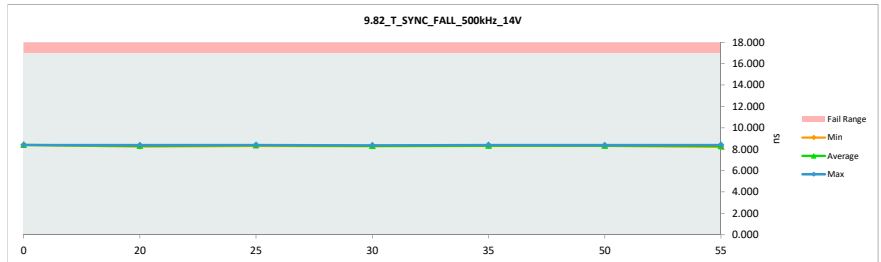
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.574	8.394		-0.180
25	1	8.515	8.320		-0.195
25	2	8.517	8.327		-0.190
25	3	8.606	8.408		-0.198
25	4	8.584	8.371		-0.213
25	5	8.604	8.380		-0.224
20	6	8.561	8.262		-0.299
20	7	8.573	8.319		-0.254
20	8	8.593	8.379		-0.214
20	9	8.556	8.324		-0.232
20	10	8.583	8.332		-0.251
35	11	8.576	8.321		-0.255
35	12	8.602	8.371		-0.231
35	13	8.649	8.389		-0.260
35	14	8.528	8.316		-0.212
35	15	8.560	8.298		-0.262
30	16	8.541	8.321		-0.220
30	17	8.576	8.269		-0.307
30	18	8.525	8.284		-0.241
30	19	8.527	8.294		-0.233
30	20	8.610	8.365		-0.245
55	21	8.615	8.349		-0.266
55	22	8.522	8.255		-0.267
55	23	8.603	8.324		-0.279
55	24	8.573	8.291		-0.282
55	25	8.583	8.302		-0.281
55	26	8.541	8.226		-0.315
55	27	8.573	8.267		-0.306
55	28	8.592	8.323		-0.269
55	29	8.559	8.242		-0.317
55	30	8.586	8.312		-0.274
55	31	8.582	8.294		-0.288
55	32	8.620	8.328		-0.292
55	33	8.558	8.327		-0.231
55	34	8.589	8.402		-0.187
55	35	8.547	8.277		-0.270
55	36	8.558	8.277		-0.281
55	37	8.606	8.299		-0.307
55	38	8.520	8.258		-0.262
55	39	8.638	8.346		-0.292
55	40	8.604	8.357		-0.247
55	41	8.585	8.304		-0.281
55	42	8.595	8.340		-0.255
50	43	8.566	8.299		-0.267
50	44	8.610	8.381		-0.229
50	45	8.557	8.296		-0.261
50	46	8.590	8.369		-0.221
50	47	8.594	8.337		-0.257
	Max	8.649	8.408		-0.180
	Average	8.576	8.321		-0.254
	Min	8.515	8.226		-0.317
	Std Dev	0.032	0.044		0.035



9.82_T_SYNC_FALL_500kHz_1

Test Site		
Tester		
Test Number		
Max Limit	17	ns
Min Limit		ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.394	8.262	8.320	8.269	8.298	8.296	8.226
Average	8.394	8.323	8.361	8.307	8.339	8.336	8.305
Max	8.394	8.379	8.408	8.365	8.389	8.381	8.402
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

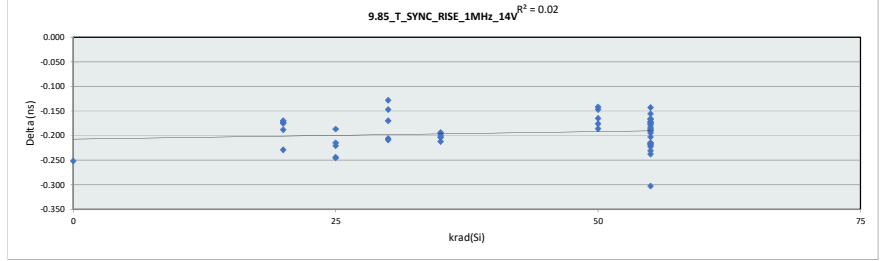


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

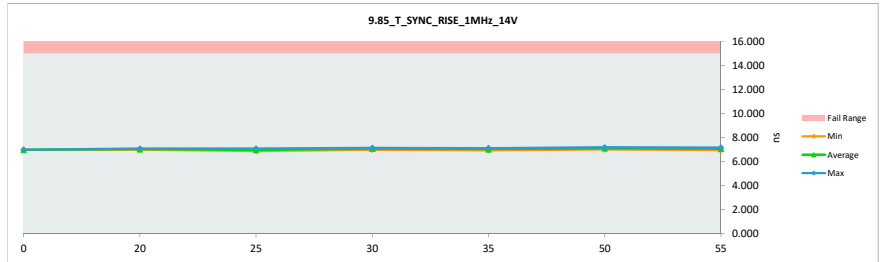
9.85_T_SYNC_RISE_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.217	6.965		-0.252
25	1	7.255	7.068		-0.187
25	2	7.259	7.015		-0.244
25	3	7.105	6.859		-0.246
25	4	7.139	6.918		-0.221
25	5	7.154	6.939		-0.215
20	6	7.252	7.023		-0.229
20	7	7.240	7.052		-0.188
20	8	7.176	7.006		-0.170
20	9	7.233	7.058		-0.175
20	10	7.153	6.980		-0.173
35	11	7.225	7.021		-0.204
35	12	7.130	6.918		-0.212
35	13	7.191	6.992		-0.199
35	14	7.303	7.109		-0.194
35	15	7.220	7.017		-0.203
30	16	7.280	7.133		-0.147
30	17	7.172	6.963		-0.209
30	18	7.263	7.057		-0.206
30	19	7.276	7.106		-0.170
30	20	7.145	7.017		-0.128
55	21	7.174	6.983		-0.191
55	22	7.320	7.146		-0.174
55	23	7.152	6.963		-0.189
55	24	7.252	7.029		-0.223
55	25	7.156	7.013		-0.143
55	26	7.278	7.092		-0.186
55	27	7.172	7.000		-0.172
55	28	7.235	7.032		-0.203
55	29	7.293	7.077		-0.216
55	30	7.263	7.068		-0.195
55	31	7.272	7.094		-0.178
55	32	7.219	7.053		-0.166
55	33	7.273	7.090		-0.183
55	34	7.201	7.034		-0.167
55	35	7.349	7.118		-0.231
55	36	7.284	7.108		-0.176
55	37	7.241	7.026		-0.215
55	38	7.338	7.119		-0.219
55	39	7.167	7.011		-0.156
55	40	7.247	6.944		-0.303
55	41	7.274	7.036		-0.238
55	42	7.220	7.001		-0.219
50	43	7.316	7.169		-0.147
50	44	7.198	7.022		-0.176
50	45	7.290	7.104		-0.186
50	46	7.257	7.115		-0.142
50	47	7.162	6.997		-0.165
	Max	7.349	7.169		-0.128
	Average	7.229	7.035		-0.194
	Min	7.105	6.859		-0.303
	Std Dev	0.059	0.066		0.033



9.85_T_SYNC_RISE_1MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.965	6.980	6.859	6.963	6.918	6.997	6.944
Average	6.965	7.024	6.960	7.055	7.011	7.081	7.047
Max	6.965	7.058	7.068	7.133	7.109	7.169	7.146
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

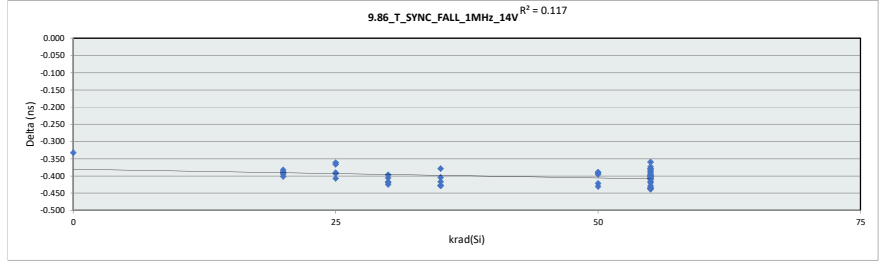


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

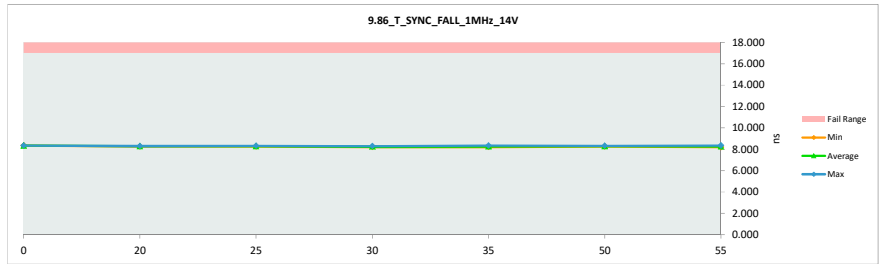
9.86_T_SYNC_FALL_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.663	8.330		-0.333
25	1	8.604	8.237		-0.367
25	2	8.619	8.257		-0.362
25	3	8.714	8.323		-0.391
25	4	8.688	8.280		-0.408
25	5	8.692	8.298		-0.394
20	6	8.637	8.242		-0.395
20	7	8.673	8.271		-0.402
20	8	8.682	8.293		-0.389
20	9	8.652	8.261		-0.391
20	10	8.680	8.297		-0.383
35	11	8.648	8.231		-0.417
35	12	8.709	8.330		-0.379
35	13	8.735	8.306		-0.429
35	14	8.632	8.204		-0.428
35	15	8.661	8.256		-0.405
30	16	8.625	8.228		-0.397
30	17	8.653	8.247		-0.406
30	18	8.633	8.214		-0.419
30	19	8.625	8.200		-0.425
30	20	8.704	8.286		-0.418
55	21	8.701	8.267		-0.434
55	22	8.617	8.225		-0.392
55	23	8.691	8.291		-0.400
55	24	8.679	8.319		-0.360
55	25	8.680	8.241		-0.439
55	26	8.641	8.231		-0.410
55	27	8.674	8.254		-0.420
55	28	8.674	8.286		-0.388
55	29	8.666	8.269		-0.397
55	30	8.683	8.254		-0.429
55	31	8.667	8.263		-0.404
55	32	8.712	8.333		-0.379
55	33	8.658	8.278		-0.380
55	34	8.683	8.282		-0.401
55	35	8.630	8.193		-0.437
55	36	8.657	8.251		-0.406
55	37	8.681	8.273		-0.408
55	38	8.618	8.182		-0.436
55	39	8.714	8.330		-0.384
55	40	8.704	8.295		-0.409
55	41	8.678	8.262		-0.416
55	42	8.690	8.316		-0.374
50	43	8.666	8.244		-0.422
50	44	8.703	8.313		-0.390
50	45	8.643	8.247		-0.396
50	46	8.666	8.274		-0.392
50	47	8.712	8.281		-0.431
	Max	8.735	8.333		-0.333
	Average	8.669	8.268		-0.402
	Min	8.604	8.182		-0.439
	Std Dev	0.031	0.038		0.022



9.86_T_SYNC_FALL_1MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.330	8.242	8.237	8.200	8.204	8.244	8.182
Average	8.330	8.273	8.279	8.235	8.265	8.272	8.268
Max	8.330	8.297	8.323	8.286	8.330	8.313	8.333
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

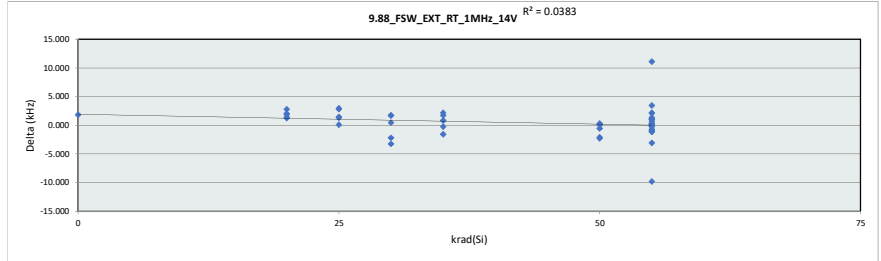


**HDR TID Report
TP57H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

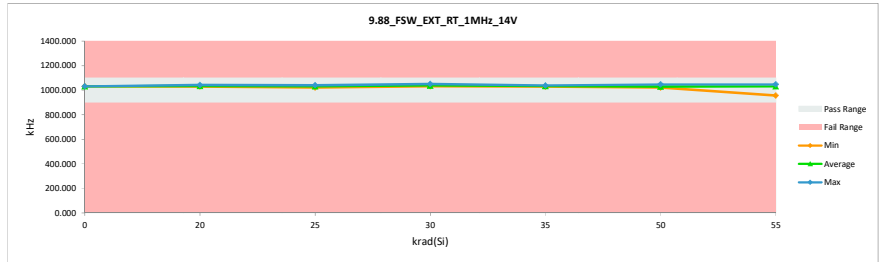
9.88_FSW_EXT_RT_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	1100
Min Limit	900

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	1029.069	1030.888	1.819
25	1	1036.418	1039.340	2.922
25	2	1018.633	1021.429	2.796
25	3	1039.014	1040.440	1.426
25	4	1022.151	1023.450	1.299
25	5	1032.998	1033.074	0.076
20	6	1040.580	1042.595	2.015
20	7	1030.344	1031.558	1.214
20	8	1031.933	1034.718	2.785
20	9	1028.942	1030.387	1.445
20	10	1032.020	1033.943	1.923
35	11	1033.130	1035.258	2.128
35	12	1033.034	1034.715	1.681
35	13	1037.947	1038.765	0.818
35	14	1028.923	1028.662	-0.261
35	15	1034.632	1033.023	-1.609
30	16	1032.023	1033.752	1.729
30	17	1037.230	1038.892	1.662
30	18	1040.224	1038.007	-2.217
30	19	1035.465	1032.195	-3.270
30	20	1050.677	1051.114	0.437
55	21	1037.453	1038.058	0.605
55	22	1033.295	1032.419	-0.876
55	23	1039.615	1040.942	1.327
55	24	1040.256	1040.373	0.117
55	25	1035.809	1034.632	-1.177
55	26	1032.527	1033.464	0.937
55	27	1035.595	1034.524	-1.071
55	28	1032.365	1032.207	-0.158
55	29	957.489	956.764	-0.725
55	30	1039.471	1039.725	0.254
55	31	1032.427	1034.550	2.123
55	32	1026.628	1026.576	-0.052
55	33	1035.090	1036.176	1.086
55	34	1047.702	1047.420	-0.282
55	35	1029.769	1030.795	1.026
55	36	1032.567	1029.470	-3.097
55	37	1031.294	1031.462	0.168
55	38	1037.381	1037.563	0.182
55	39	1039.987	1030.158	-9.829
55	40	1029.280	1040.361	11.081
55	41	1038.514	1040.635	2.121
55	42	1025.610	1029.053	3.443
50	43	1024.070	1021.756	-2.314
50	44	1028.410	1026.289	-2.121
50	45	1031.805	1032.117	0.312
50	46	1047.093	1047.109	0.016
50	47	1024.588	1023.988	-0.600
Max		1050.677	1051.114	11.081
Average		1032.322	1032.808	0.486
Min		957.489	956.764	-9.829
Std Dev		12.692	12.861	2.661



9.88_FSW_EXT_RT_1MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	1100 kHz
Min Limit	900 kHz

krad(Si)	0	20	25	30	35	50	55
LL	900.000	900.000	900.000	900.000	900.000	900.000	900.000
Min	1030.888	1030.387	1021.429	1032.195	1028.662	1021.756	956.764
Average	1030.888	1034.640	1031.547	1038.792	1034.085	1030.252	1031.697
Max	1030.888	1042.595	1040.440	1051.114	1038.765	1047.109	1047.420
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000

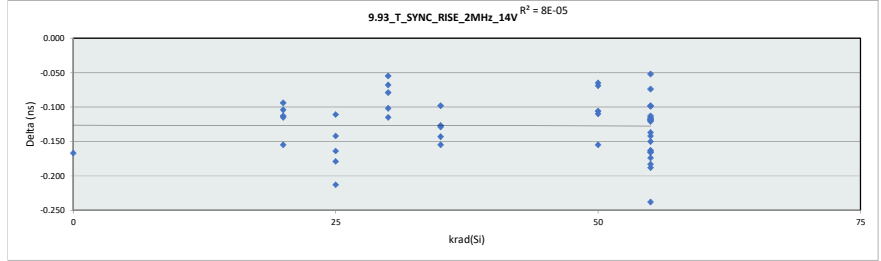


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

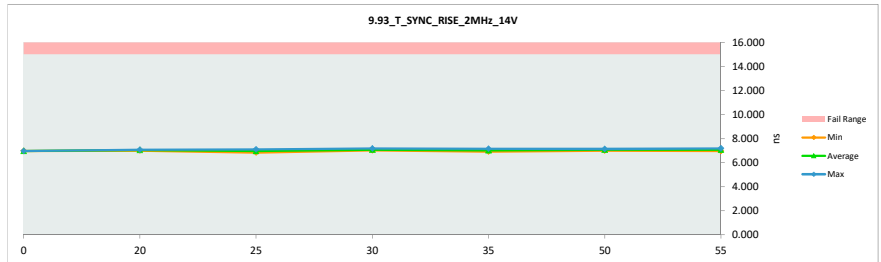
9.93_T_SYNC_RISE_2MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.128	6.961		-0.167
25	1	7.202	7.091		-0.111
25	2	7.194	7.015		-0.179
25	3	7.035	6.822		-0.213
25	4	7.049	6.907		-0.142
25	5	7.107	6.943		-0.164
20	6	7.196	7.041		-0.155
20	7	7.172	7.057		-0.115
20	8	7.113	7.019		-0.094
20	9	7.174	7.070		-0.104
20	10	7.118	7.005		-0.113
35	11	7.166	7.037		-0.129
35	12	7.064	6.909		-0.155
35	13	7.162	7.019		-0.143
35	14	7.236	7.138		-0.098
35	15	7.144	7.017		-0.127
30	16	7.214	7.159		-0.055
30	17	7.111	7.043		-0.068
30	18	7.201	7.086		-0.115
30	19	7.209	7.107		-0.102
30	20	7.092	7.013		-0.079
55	21	7.138	7.019		-0.119
55	22	7.226	7.107		-0.119
55	23	7.128	7.015		-0.113
55	24	7.168	7.031		-0.137
55	25	7.124	7.003		-0.121
55	26	7.187	7.069		-0.118
55	27	7.111	6.992		-0.119
55	28	7.175	7.077		-0.098
55	29	7.196	7.022		-0.174
55	30	7.217	7.075		-0.142
55	31	7.202	7.086		-0.116
55	32	7.172	7.098		-0.074
55	33	7.259	7.093		-0.166
55	34	7.158	7.042		-0.116
55	35	7.316	7.133		-0.183
55	36	7.271	7.172		-0.099
55	37	7.148	6.985		-0.163
55	38	7.302	7.138		-0.164
55	39	7.103	7.051		-0.052
55	40	7.199	6.961		-0.238
55	41	7.225	7.075		-0.150
55	42	7.145	6.957		-0.188
50	43	7.233	7.123		-0.110
50	44	7.144	6.989		-0.155
50	45	7.239	7.133		-0.106
50	46	7.185	7.120		-0.065
50	47	7.069	7.000		-0.069
	Max	7.316	7.172		-0.052
	Average	7.169	7.042		-0.127
	Min	7.035	6.822		-0.238
	Std Dev	0.062	0.071		0.040



9.93_T_SYNC_RISE_2MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	6.961	7.005	6.822	7.013	6.909	6.989	6.957
Average	6.961	7.038	6.956	7.082	7.024	7.073	7.055
Max	6.961	7.070	7.091	7.159	7.138	7.133	7.172
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

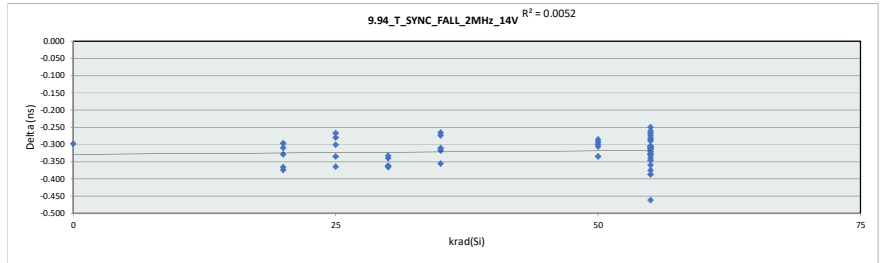


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

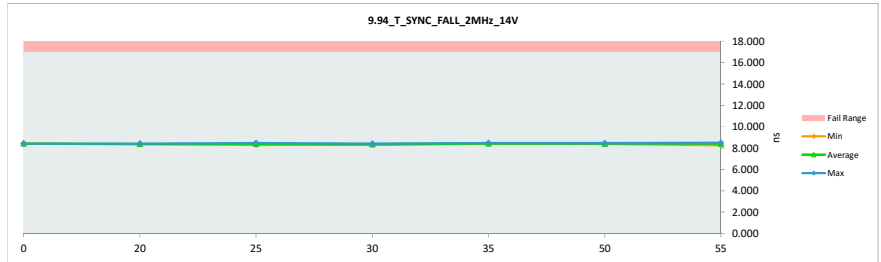
9.94_T_SYNC_FALL_2MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.702	8.404		-0.298
25	1	8.644	8.309		-0.335
25	2	8.644	8.364		-0.280
25	3	8.766	8.465		-0.301
25	4	8.734	8.369		-0.365
25	5	8.728	8.461		-0.267
20	6	8.692	8.363		-0.329
20	7	8.718	8.344		-0.374
20	8	8.712	8.415		-0.297
20	9	8.689	8.379		-0.310
20	10	8.710	8.344		-0.366
35	11	8.728	8.410		-0.318
35	12	8.744	8.470		-0.274
35	13	8.786	8.430		-0.356
35	14	8.678	8.412		-0.266
35	15	8.709	8.398		-0.311
30	16	8.677	8.314		-0.363
30	17	8.726	8.363		-0.363
30	18	8.706	8.373		-0.333
30	19	8.694	8.354		-0.340
30	20	8.774	8.408		-0.366
55	21	8.766	8.379		-0.387
55	22	8.692	8.346		-0.346
55	23	8.716	8.430		-0.286
55	24	8.741	8.433		-0.308
55	25	8.695	8.356		-0.339
55	26	8.713	8.431		-0.282
55	27	8.707	8.440		-0.267
55	28	8.748	8.373		-0.375
55	29	8.726	8.264		-0.462
55	30	8.765	8.454		-0.311
55	31	8.741	8.414		-0.327
55	32	8.736	8.406		-0.330
55	33	8.706	8.431		-0.275
55	34	8.753	8.448		-0.305
55	35	8.685	8.371		-0.314
55	36	8.691	8.441		-0.250
55	37	8.744	8.439		-0.305
55	38	8.665	8.375		-0.290
55	39	8.784	8.424		-0.360
55	40	8.742	8.481		-0.261
55	41	8.732	8.401		-0.331
55	42	8.765	8.444		-0.321
50	43	8.700	8.400		-0.300
50	44	8.751	8.416		-0.335
50	45	8.691	8.385		-0.306
50	46	8.701	8.408		-0.293
50	47	8.739	8.453		-0.286
	Max	8.786	8.481		-0.250
	Average	8.720	8.400		-0.320
	Min	8.644	8.264		-0.462
	Std Dev	0.034	0.045		0.040



9.94_T_SYNC_FALL_2MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	ns

krad(Si)	0	20	25	30	35	50	55
LL							
Min	8.404	8.344	8.309	8.314	8.398	8.385	8.264
Average	8.404	8.369	8.394	8.362	8.424	8.412	8.408
Max	8.404	8.415	8.465	8.408	8.470	8.453	8.481
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

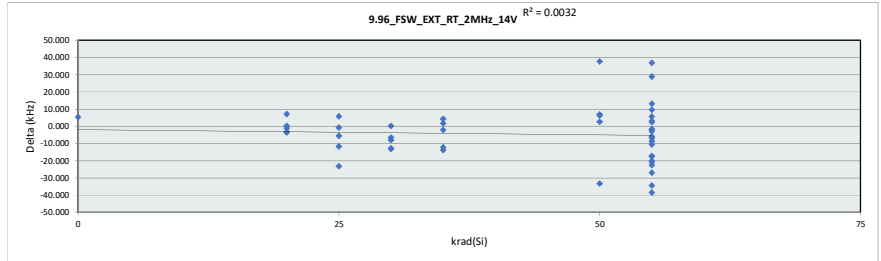


HDR TID Report TPS7H5006-SEP

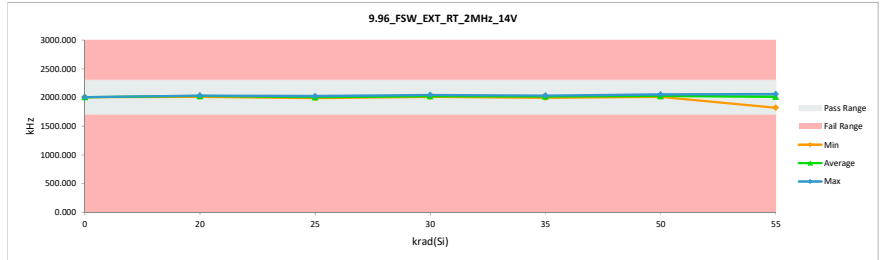
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

9.96_FSW_EXT_RT_2MHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	2300
Min Limit	1700

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	2001.782	2007.112	5.330
25	1	2032.064	2020.366	-11.698
25	2	1992.495	1991.784	-0.711
25	3	2029.241	2023.674	-5.567
25	4	1994.552	2000.257	5.705
25	5	2015.351	1992.153	-23.198
20	6	2028.136	2035.258	7.122
20	7	2033.818	2030.541	-3.277
20	8	2026.371	2026.506	0.135
20	9	2018.420	2014.860	-3.560
20	10	2027.196	2026.159	-1.037
35	11	2008.237	1994.390	-13.847
35	12	2024.596	2028.838	4.242
35	13	2046.371	2034.169	-12.202
35	14	2018.942	2016.827	-2.115
35	15	2019.699	2021.418	1.719
30	16	2021.999	2015.535	-6.464
30	17	2027.578	2019.583	-7.995
30	18	2031.982	2032.173	0.191
30	19	2021.248	2008.482	-12.766
30	20	2060.608	2047.411	-13.197
55	21	2037.341	2017.244	-20.097
55	22	2031.454	2029.648	-1.806
55	23	2037.576	2026.985	-10.591
55	24	2043.261	2041.441	-1.820
55	25	2031.040	2010.136	-20.904
55	26	2016.281	2053.153	36.872
55	27	2026.883	2020.924	-5.959
55	28	2028.533	2005.966	-22.567
55	29	1831.275	1822.492	-8.783
55	30	2048.402	2057.949	9.547
55	31	2017.061	2045.898	28.837
55	32	2023.908	2006.631	-17.277
55	33	2032.230	1993.661	-38.569
55	34	2054.585	2051.668	-2.917
55	35	2016.356	2018.727	2.371
55	36	2019.079	1984.657	-34.422
55	37	2027.850	2033.502	5.652
55	38	2033.723	2026.934	-6.789
55	39	2035.368	2008.359	-27.009
55	40	2018.515	2021.537	3.022
55	41	2032.714	2015.193	-17.521
55	42	2030.807	2043.917	13.110
50	43	2011.073	2017.905	6.832
50	44	2017.913	2020.496	2.583
50	45	2025.694	2031.900	6.206
50	46	2044.217	2010.933	-33.284
50	47	2015.252	2052.842	37.590
Max		2060.608	2057.949	37.590
Average		2022.272	2017.879	-4.393
Min		1831.275	1822.492	-38.569
Std Dev		31.163	33.547	15.630



9.96_FSW_EXT_RT_2MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	2300
Min Limit	1700

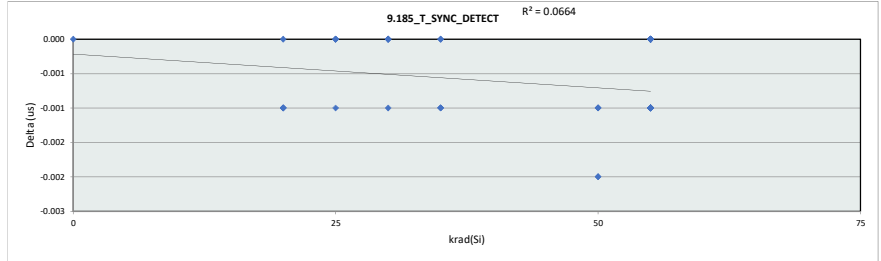


HDR TID Report TPS7H5006-SEP

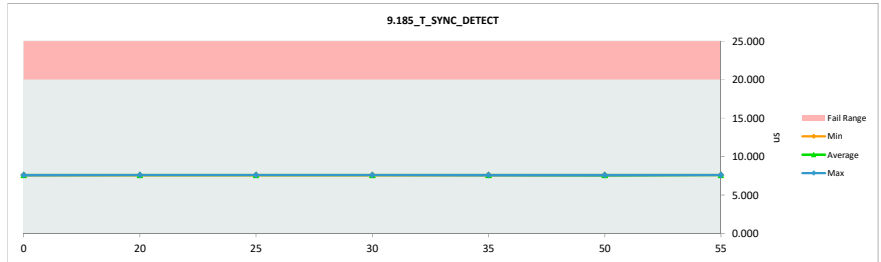
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

9.185_T_SYNC_DETECT		
Test Site		
Tester		
Test Number		
Unit	us	us
Max Limit	20	20
Min Limit		

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.587	7.587		0.000
25	1	7.588	7.588		0.000
25	2	7.587	7.587		0.000
25	3	7.589	7.588		-0.001
25	4	7.587	7.587		0.000
25	5	7.589	7.589		0.000
20	6	7.588	7.587		-0.001
20	7	7.588	7.587		-0.001
20	8	7.588	7.587		-0.001
20	9	7.589	7.588		-0.001
20	10	7.587	7.587		0.000
35	11	7.588	7.587		-0.001
35	12	7.587	7.587		0.000
35	13	7.588	7.587		-0.001
35	14	7.588	7.587		-0.001
35	15	7.587	7.587		0.000
30	16	7.587	7.587		0.000
30	17	7.589	7.588		-0.001
30	18	7.588	7.588		0.000
30	19	7.589	7.589		0.000
30	20	7.588	7.588		0.000
55	21	7.588	7.587		-0.001
55	22	7.589	7.588		-0.001
55	23	7.587	7.587		0.000
55	24	7.588	7.587		-0.001
55	25	7.587	7.586		-0.001
55	26	7.587	7.586		-0.001
55	27	7.587	7.587		0.000
55	28	7.589	7.588		-0.001
55	29	7.588	7.588		0.000
55	30	7.588	7.588		0.000
55	31	7.588	7.588		0.000
55	32	7.588	7.587		-0.001
55	33	7.588	7.588		0.000
55	34	7.587	7.586		-0.001
55	35	7.587	7.586		-0.001
55	36	7.589	7.588		-0.001
55	37	7.588	7.587		-0.001
55	38	7.588	7.588		0.000
55	39	7.588	7.587		-0.001
55	40	7.588	7.587		-0.001
55	41	7.588	7.588		0.000
55	42	7.588	7.587		-0.001
50	43	7.588	7.587		-0.001
50	44	7.588	7.587		-0.001
50	45	7.589	7.587		-0.002
50	46	7.589	7.587		-0.002
50	47	7.586	7.585		-0.001
Max		7.589	7.589		0.000
Average		7.588	7.587		-0.001
Min		7.586	7.585		-0.002
Std Dev		0.001	0.001		0.001



9.185_T_SYNC_DETECT							
Test Site							
Tester							
Test Number							
Max Limit	20	us					
Min Limit		us					
krad(Si)	0	20	25	30	35	50	55
LL							
Min	7.587	7.587	7.587	7.587	7.587	7.585	7.586
Average	7.587	7.587	7.588	7.588	7.587	7.587	7.587
Max	7.587	7.588	7.589	7.589	7.587	7.587	7.588
UL	20.000	20.000	20.000	20.000	20.000	20.000	20.000

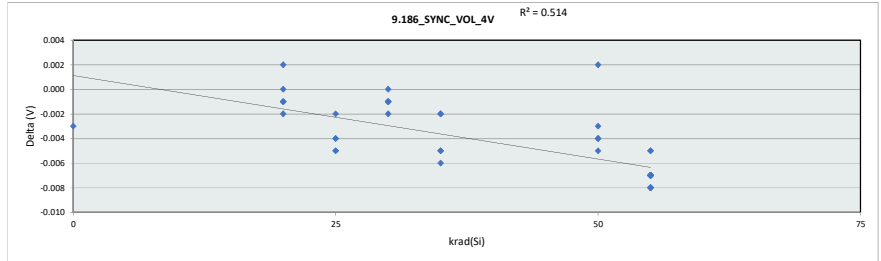


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

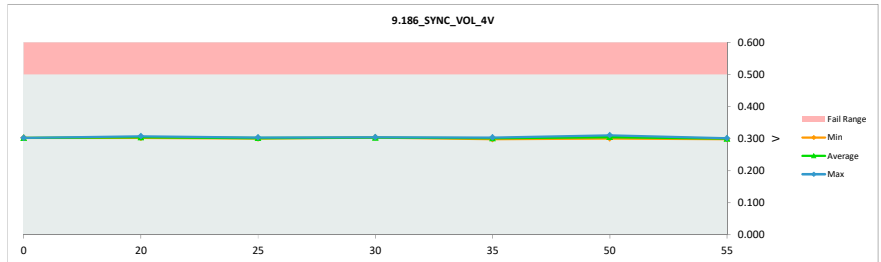
9.186_SYNC_VOL_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.305	0.302		-0.003
25	1	0.304	0.300		-0.004
25	2	0.304	0.302		-0.002
25	3	0.306	0.301		-0.005
25	4	0.306	0.301		-0.005
25	5	0.307	0.303		-0.004
20	6	0.303	0.302		-0.001
20	7	0.305	0.303		-0.002
20	8	0.304	0.303		-0.001
20	9	0.306	0.306		0.000
20	10	0.305	0.307		0.002
35	11	0.304	0.302		-0.002
35	12	0.305	0.303		-0.002
35	13	0.306	0.301		-0.005
35	14	0.304	0.298		-0.006
35	15	0.304	0.299		-0.005
30	16	0.303	0.303		0.000
30	17	0.305	0.304		-0.001
30	18	0.304	0.303		-0.001
30	19	0.304	0.303		-0.001
30	20	0.306	0.304		-0.002
55	21	0.307	0.300		-0.007
55	22	0.306	0.299		-0.007
55	23	0.305	0.298		-0.007
55	24	0.308	0.301		-0.007
55	25	0.306	0.299		-0.007
55	26	0.308	0.300		-0.008
55	27	0.306	0.301		-0.005
55	28	0.308	0.301		-0.007
55	29	0.307	0.300		-0.007
55	30	0.307	0.300		-0.007
55	31	0.306	0.299		-0.007
55	32	0.306	0.298		-0.008
55	33	0.307	0.300		-0.007
55	34	0.307	0.299		-0.008
55	35	0.306	0.299		-0.007
55	36	0.306	0.298		-0.008
55	37	0.307	0.300		-0.007
55	38	0.307	0.300		-0.007
55	39	0.306	0.301		-0.005
55	40	0.307	0.299		-0.008
55	41	0.307	0.300		-0.007
55	42	0.306	0.299		-0.007
50	43	0.308	0.304		-0.004
50	44	0.307	0.304		-0.003
50	45	0.308	0.310		0.002
50	46	0.309	0.304		-0.005
50	47	0.304	0.300		-0.004
	Max	0.309	0.310		0.002
	Average	0.306	0.301		-0.005
	Min	0.303	0.298		-0.008
	Std Dev	0.001	0.002		0.003



9.186_SYNC_VOL_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.5 V
Min Limit	V

krad(Si)	0	20	25	30	35	50	55
LL							
Min	0.302	0.302	0.300	0.303	0.298	0.300	0.298
Average	0.302	0.304	0.301	0.303	0.301	0.304	0.300
Max	0.302	0.307	0.303	0.304	0.303	0.310	0.301
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500

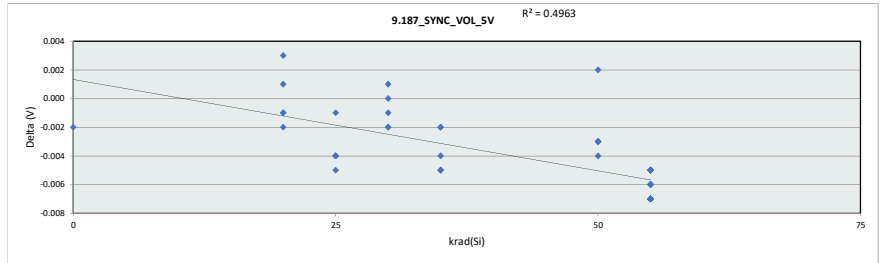


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

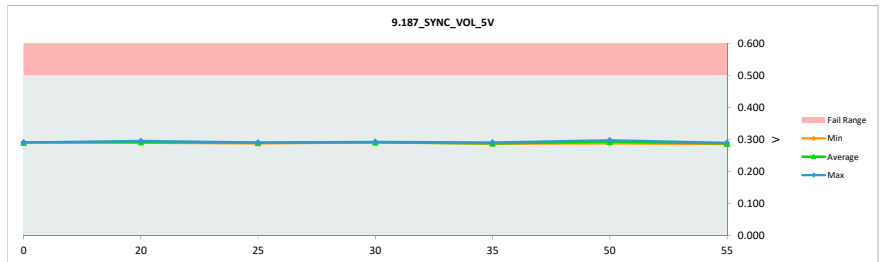
9.187_SYNC_VOL_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.292	0.290		-0.002
25	1	0.292	0.288		-0.004
25	2	0.291	0.290		-0.001
25	3	0.293	0.288		-0.005
25	4	0.293	0.289		-0.004
25	5	0.294	0.290		-0.004
20	6	0.290	0.289		-0.001
20	7	0.292	0.290		-0.002
20	8	0.291	0.290		-0.001
20	9	0.293	0.294		0.001
20	10	0.292	0.295		0.003
35	11	0.291	0.289		-0.002
35	12	0.292	0.290		-0.002
35	13	0.292	0.288		-0.004
35	14	0.291	0.286		-0.005
35	15	0.291	0.286		-0.005
30	16	0.290	0.291		0.001
30	17	0.292	0.292		0.000
30	18	0.291	0.290		-0.001
30	19	0.292	0.290		-0.002
30	20	0.293	0.291		-0.002
55	21	0.294	0.288		-0.006
55	22	0.293	0.286		-0.007
55	23	0.292	0.285		-0.007
55	24	0.294	0.289		-0.005
55	25	0.293	0.287		-0.006
55	26	0.295	0.288		-0.007
55	27	0.293	0.288		-0.005
55	28	0.295	0.288		-0.007
55	29	0.294	0.288		-0.006
55	30	0.294	0.287		-0.007
55	31	0.293	0.286		-0.007
55	32	0.293	0.286		-0.007
55	33	0.294	0.287		-0.007
55	34	0.293	0.287		-0.006
55	35	0.292	0.286		-0.006
55	36	0.293	0.286		-0.007
55	37	0.294	0.287		-0.007
55	38	0.294	0.288		-0.006
55	39	0.293	0.288		-0.005
55	40	0.293	0.286		-0.007
55	41	0.293	0.288		-0.005
55	42	0.293	0.287		-0.006
50	43	0.295	0.292		-0.003
50	44	0.294	0.291		-0.003
50	45	0.295	0.297		0.002
50	46	0.295	0.292		-0.003
50	47	0.292	0.288		-0.004
	Max	0.295	0.297		0.003
	Average	0.293	0.289		-0.004
	Min	0.290	0.285		-0.007
	Std Dev	0.001	0.003		0.003



9.187_SYNC_VOL_5V	
Test Site	
Tester	
Test Number	
Max Limit	0.5 V
Min Limit	V

krad(Si)	0	20	25	30	35	50	55
LL							
Min	0.290	0.289	0.288	0.290	0.286	0.288	0.285
Average	0.290	0.292	0.289	0.291	0.288	0.292	0.287
Max	0.290	0.295	0.290	0.292	0.290	0.297	0.289
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500

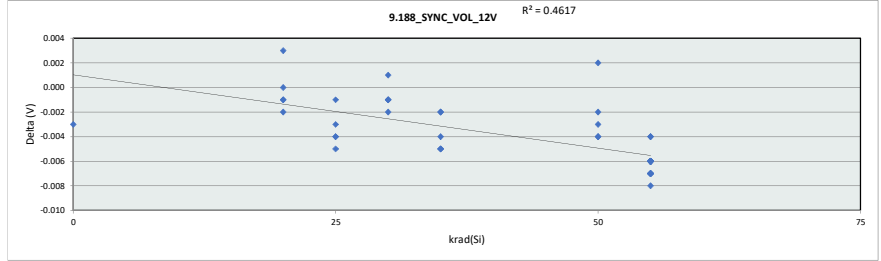


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

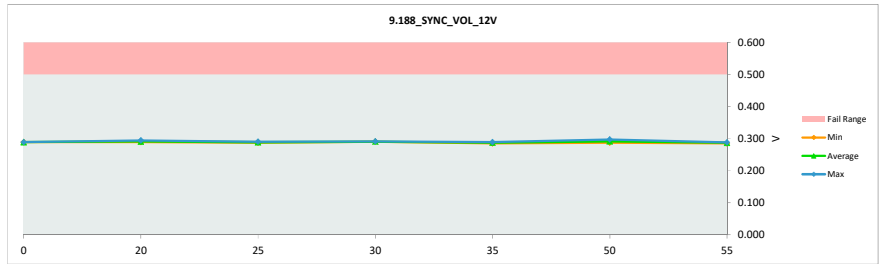
9.188_SYNC_VOL_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.292	0.289		-0.003
25	1	0.291	0.288		-0.003
25	2	0.291	0.290		-0.001
25	3	0.292	0.287		-0.005
25	4	0.292	0.288		-0.004
25	5	0.293	0.289		-0.004
20	6	0.290	0.289		-0.001
20	7	0.291	0.289		-0.002
20	8	0.290	0.289		-0.001
20	9	0.293	0.293		0.000
20	10	0.291	0.294		0.003
35	11	0.291	0.289		-0.002
35	12	0.291	0.289		-0.002
35	13	0.291	0.287		-0.004
35	14	0.290	0.285		-0.005
35	15	0.291	0.286		-0.005
30	16	0.290	0.291		0.001
30	17	0.292	0.291		-0.001
30	18	0.291	0.290		-0.001
30	19	0.291	0.290		-0.001
30	20	0.292	0.290		-0.002
55	21	0.293	0.287		-0.006
55	22	0.293	0.286		-0.007
55	23	0.291	0.285		-0.006
55	24	0.294	0.288		-0.006
55	25	0.292	0.286		-0.006
55	26	0.294	0.287		-0.007
55	27	0.292	0.288		-0.004
55	28	0.294	0.288		-0.006
55	29	0.294	0.287		-0.007
55	30	0.293	0.287		-0.006
55	31	0.292	0.286		-0.006
55	32	0.292	0.285		-0.007
55	33	0.293	0.287		-0.006
55	34	0.293	0.286		-0.007
55	35	0.292	0.286		-0.006
55	36	0.292	0.286		-0.006
55	37	0.293	0.286		-0.007
55	38	0.294	0.288		-0.006
55	39	0.292	0.288		-0.004
55	40	0.293	0.285		-0.008
55	41	0.293	0.287		-0.006
55	42	0.292	0.286		-0.006
50	43	0.295	0.291		-0.004
50	44	0.293	0.291		-0.002
50	45	0.295	0.297		0.002
50	46	0.294	0.291		-0.003
50	47	0.291	0.287		-0.004
Max		0.295	0.297		0.003
Average		0.292	0.288		-0.004
Min		0.290	0.285		-0.008
Std Dev		0.001	0.002		0.003



9.188_SYNC_VOL_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.5 V
Min Limit	V

krad(Si)	0	20	25	30	35	50	55
LL							
Min	0.289	0.289	0.287	0.290	0.285	0.287	0.285
Average	0.289	0.291	0.288	0.290	0.287	0.291	0.287
Max	0.289	0.294	0.290	0.291	0.289	0.297	0.288
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500

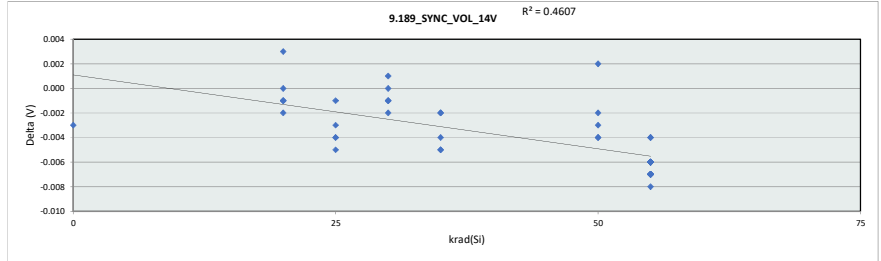


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

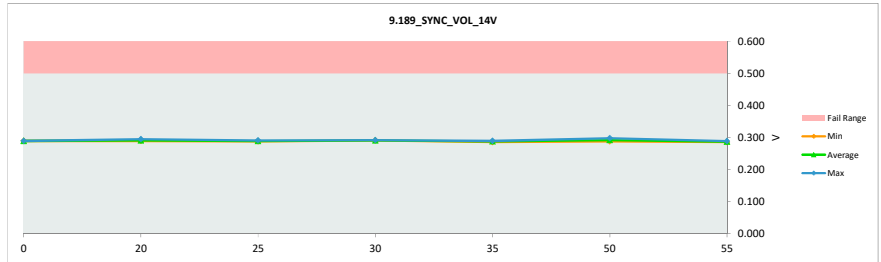
9.189_SYNC_VOL_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.292	0.289		-0.003
25	1	0.291	0.288		-0.003
25	2	0.291	0.290		-0.001
25	3	0.292	0.287		-0.005
25	4	0.292	0.288		-0.004
25	5	0.293	0.289		-0.004
20	6	0.290	0.289		-0.001
20	7	0.291	0.289		-0.002
20	8	0.290	0.289		-0.001
20	9	0.293	0.293		0.000
20	10	0.291	0.294		0.003
35	11	0.291	0.289		-0.002
35	12	0.291	0.289		-0.002
35	13	0.291	0.287		-0.004
35	14	0.290	0.285		-0.005
35	15	0.291	0.286		-0.005
30	16	0.290	0.291		0.001
30	17	0.291	0.291		0.000
30	18	0.291	0.290		-0.001
30	19	0.291	0.290		-0.001
30	20	0.292	0.290		-0.002
55	21	0.293	0.287		-0.006
55	22	0.293	0.286		-0.007
55	23	0.291	0.285		-0.006
55	24	0.294	0.288		-0.006
55	25	0.292	0.286		-0.006
55	26	0.294	0.287		-0.007
55	27	0.292	0.288		-0.004
55	28	0.294	0.288		-0.006
55	29	0.294	0.287		-0.007
55	30	0.293	0.287		-0.006
55	31	0.292	0.286		-0.006
55	32	0.292	0.285		-0.007
55	33	0.293	0.287		-0.006
55	34	0.293	0.286		-0.007
55	35	0.292	0.286		-0.006
55	36	0.292	0.286		-0.006
55	37	0.293	0.286		-0.007
55	38	0.294	0.288		-0.006
55	39	0.292	0.288		-0.004
55	40	0.293	0.285		-0.008
55	41	0.293	0.287		-0.006
55	42	0.292	0.286		-0.006
50	43	0.295	0.291		-0.004
50	44	0.293	0.291		-0.002
50	45	0.295	0.297		0.002
50	46	0.294	0.291		-0.003
50	47	0.291	0.287		-0.004
	Max	0.295	0.297		0.003
	Average	0.292	0.288		-0.004
	Min	0.290	0.285		-0.008
	Std Dev	0.001	0.002		0.003



9.189_SYNC_VOL_14V	
Test Site	
Tester	
Test Number	
Max Limit	0.5 V
Min Limit	V

krad(Si)	0	20	25	30	35	50	55
LL							
Min	0.289	0.289	0.287	0.290	0.285	0.287	0.285
Average	0.289	0.291	0.288	0.290	0.287	0.291	0.287
Max	0.289	0.294	0.290	0.291	0.289	0.297	0.288
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500

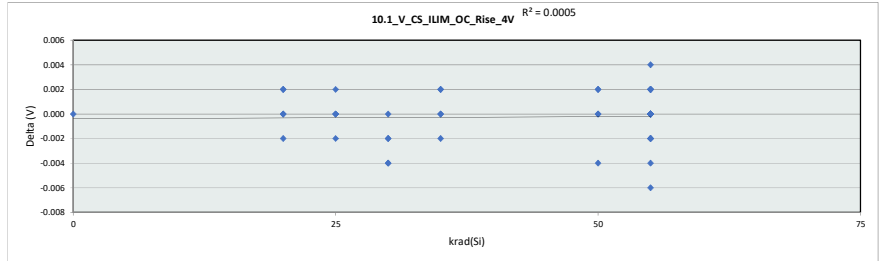


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

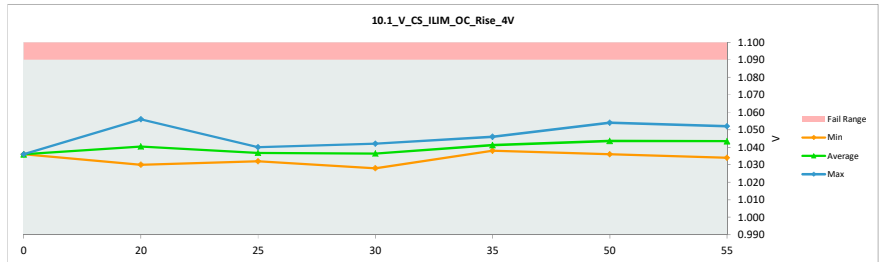
10.1_V_CS_ILIM_OC_Rise_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.09
Min Limit	1.09

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.036	1.036		0.000
25	1	1.032	1.032		0.000
25	2	1.036	1.036		0.000
25	3	1.040	1.040		0.000
25	4	1.034	1.036		0.002
25	5	1.042	1.040		-0.002
20	6	1.032	1.030		-0.002
20	7	1.034	1.034		0.000
20	8	1.042	1.044		0.002
20	9	1.056	1.056		0.000
20	10	1.036	1.038		0.002
35	11	1.040	1.038		-0.002
35	12	1.038	1.040		0.002
35	13	1.038	1.040		0.002
35	14	1.042	1.042		0.000
35	15	1.046	1.046		0.000
30	16	1.032	1.028		-0.004
30	17	1.042	1.042		0.000
30	18	1.040	1.038		-0.002
30	19	1.044	1.042		-0.002
30	20	1.036	1.032		-0.004
55	21	1.042	1.042		0.000
55	22	1.046	1.048		0.002
55	23	1.048	1.048		0.000
55	24	1.044	1.044		0.000
55	25	1.048	1.046		-0.002
55	26	1.044	1.044		0.000
55	27	1.038	1.038		0.000
55	28	1.050	1.052		0.002
55	29	1.048	1.048		0.000
55	30	1.048	1.050		0.002
55	31	1.042	1.040		-0.002
55	32	1.044	1.044		0.000
55	33	1.042	1.044		0.002
55	34	1.044	1.042		-0.002
55	35	1.038	1.034		-0.004
55	36	1.044	1.044		0.000
55	37	1.044	1.046		0.002
55	38	1.042	1.040		-0.002
55	39	1.046	1.040		-0.006
55	40	1.040	1.044		0.004
55	41	1.040	1.040		0.000
55	42	1.038	1.038		0.000
50	43	1.054	1.054		0.000
50	44	1.040	1.036		-0.004
50	45	1.044	1.046		0.002
50	46	1.040	1.040		0.000
50	47	1.040	1.042		0.002
Max		1.056	1.056		0.004
Average		1.042	1.041		0.000
Min		1.032	1.028		-0.006
Std Dev		0.005	0.006		0.002



10.1_V_CS_ILIM_OC_Rise_4V	
Test Site	
Tester	
Test Number	
Max Limit	1.09
Min Limit	V

krad(Si)	0	20	25	30	35	50	55
LL							
Min	1.036	1.030	1.032	1.028	1.038	1.036	1.034
Average	1.036	1.040	1.037	1.036	1.041	1.044	1.043
Max	1.036	1.056	1.040	1.042	1.046	1.054	1.052
UL	1.090	1.090	1.090	1.090	1.090	1.090	1.090

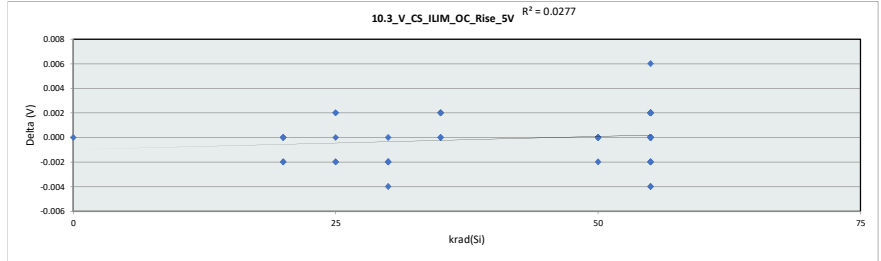


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

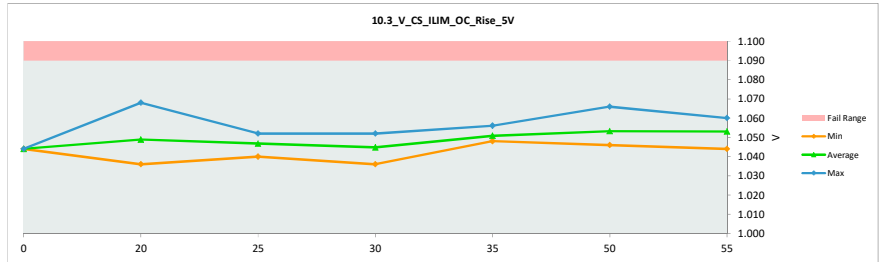
10.3_V_CS_ILIM_OC_Rise_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.09 1.09
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.044	1.044		0.000
25	1	1.040	1.040		0.000
25	2	1.044	1.046		0.002
25	3	1.054	1.052		-0.002
25	4	1.042	1.044		0.002
25	5	1.054	1.052		-0.002
20	6	1.038	1.036		-0.002
20	7	1.044	1.042		-0.002
20	8	1.052	1.052		0.000
20	9	1.068	1.068		0.000
20	10	1.046	1.046		0.000
35	11	1.050	1.050		0.000
35	12	1.048	1.050		0.002
35	13	1.046	1.048		0.002
35	14	1.050	1.050		0.000
35	15	1.054	1.056		0.002
30	16	1.040	1.036		-0.004
30	17	1.052	1.052		0.000
30	18	1.046	1.044		-0.002
30	19	1.052	1.050		-0.002
30	20	1.044	1.042		-0.002
55	21	1.050	1.050		0.000
55	22	1.056	1.058		0.002
55	23	1.058	1.058		0.000
55	24	1.054	1.054		0.000
55	25	1.058	1.056		-0.002
55	26	1.052	1.052		0.000
55	27	1.046	1.046		0.000
55	28	1.058	1.060		0.002
55	29	1.056	1.056		0.000
55	30	1.058	1.060		0.002
55	31	1.050	1.050		0.000
55	32	1.054	1.052		-0.002
55	33	1.052	1.054		0.002
55	34	1.054	1.052		-0.002
55	35	1.048	1.044		-0.004
55	36	1.052	1.054		0.002
55	37	1.052	1.054		0.002
55	38	1.052	1.052		0.000
55	39	1.056	1.052		-0.004
55	40	1.050	1.056		0.006
55	41	1.048	1.050		0.002
55	42	1.048	1.048		0.000
50	43	1.066	1.066		0.000
50	44	1.048	1.046		-0.002
50	45	1.054	1.054		0.000
50	46	1.050	1.050		0.000
50	47	1.050	1.050		0.000
Max		1.068	1.068		0.006
Average		1.051	1.051		0.000
Min		1.038	1.036		-0.004
Std Dev		0.006	0.006		0.002



10.3_V_CS_ILIM_OC_Rise_5V	
Test Site	
Tester	
Test Number	
Max Limit	1.09 V
Min Limit	V

krad(Si)	0	20	25	30	35	50	55
LL							
Min	1.044	1.036	1.040	1.036	1.048	1.046	1.044
Average	1.044	1.049	1.047	1.045	1.051	1.053	1.053
Max	1.044	1.068	1.052	1.052	1.056	1.066	1.060
UL	1.090	1.090	1.090	1.090	1.090	1.090	1.090

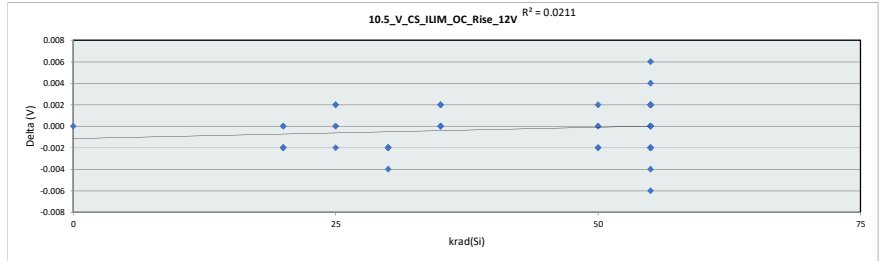


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

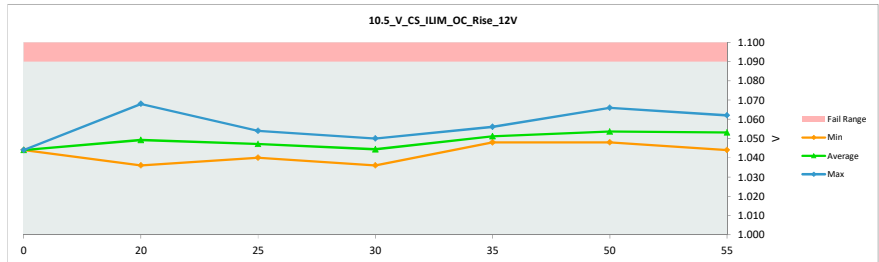
10.5_V_CS_ILIM_OC_Rise_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.09
Min Limit	1.09

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	1.044	1.044		0.000
25	1	1.040	1.040		0.000
25	2	1.044	1.046		0.002
25	3	1.054	1.054		0.000
25	4	1.042	1.044		0.002
25	5	1.054	1.052		-0.002
20	6	1.038	1.036		-0.002
20	7	1.044	1.042		-0.002
20	8	1.054	1.054		0.000
20	9	1.070	1.068		-0.002
20	10	1.046	1.046		0.000
35	11	1.050	1.050		0.000
35	12	1.050	1.052		0.002
35	13	1.048	1.048		0.000
35	14	1.050	1.050		0.000
35	15	1.054	1.056		0.002
30	16	1.040	1.036		-0.004
30	17	1.052	1.050		-0.002
30	18	1.046	1.044		-0.002
30	19	1.052	1.050		-0.002
30	20	1.044	1.042		-0.002
55	21	1.050	1.052		0.002
55	22	1.056	1.058		0.002
55	23	1.058	1.058		0.000
55	24	1.054	1.054		0.000
55	25	1.058	1.056		-0.002
55	26	1.052	1.052		0.000
55	27	1.046	1.044		-0.002
55	28	1.058	1.060		0.002
55	29	1.056	1.056		0.000
55	30	1.058	1.062		0.004
55	31	1.052	1.050		-0.002
55	32	1.052	1.052		0.000
55	33	1.052	1.054		0.002
55	34	1.054	1.052		-0.002
55	35	1.048	1.044		-0.004
55	36	1.054	1.054		0.000
55	37	1.052	1.054		0.002
55	38	1.054	1.052		-0.002
55	39	1.058	1.052		-0.006
55	40	1.050	1.056		0.006
55	41	1.048	1.050		0.002
55	42	1.048	1.048		0.000
50	43	1.066	1.066		0.000
50	44	1.048	1.048		0.000
50	45	1.052	1.054		0.002
50	46	1.052	1.050		-0.002
50	47	1.052	1.050		-0.002
Max		1.070	1.068		0.006
Average		1.051	1.051		0.000
Min		1.038	1.036		-0.006
Std Dev		0.006	0.007		0.002



10.5_V_CS_ILIM_OC_Rise_12V	
Test Site	
Tester	
Test Number	
Max Limit	1.09
Min Limit	V

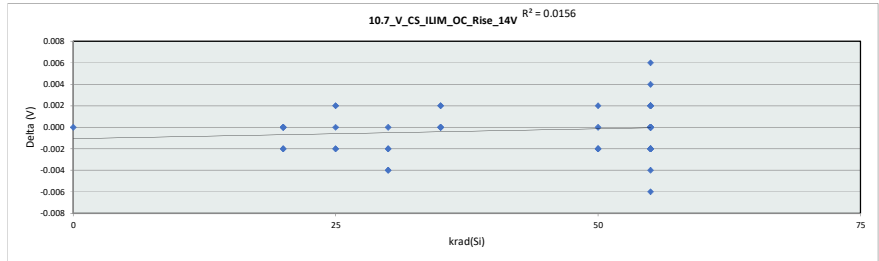
krad(Si)	0	20	25	30	35	50	55
LL							
Min	1.044	1.036	1.040	1.036	1.048	1.048	1.044
Average	1.044	1.049	1.047	1.044	1.051	1.054	1.053
Max	1.044	1.068	1.054	1.050	1.056	1.066	1.062
UL	1.090	1.090	1.090	1.090	1.090	1.090	1.090



HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

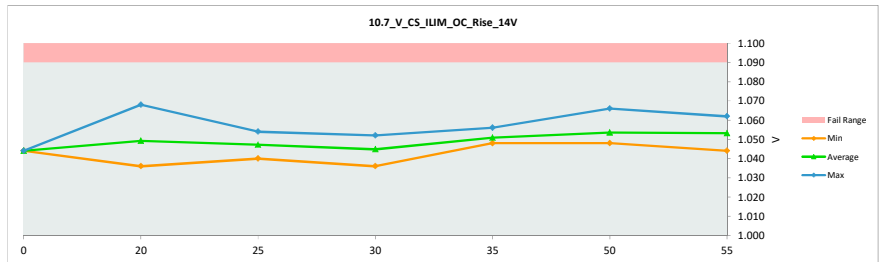
10.7_V_CS_ILIM_OC_Rise_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.09
Min Limit	1.09



krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	1.044	1.044	0.000
25	1	1.040	1.040	0.000
25	2	1.044	1.046	0.002
25	3	1.056	1.054	-0.002
25	4	1.042	1.044	0.002
25	5	1.054	1.052	-0.002
20	6	1.038	1.036	-0.002
20	7	1.044	1.042	-0.002
20	8	1.054	1.054	0.000
20	9	1.068	1.068	0.000
20	10	1.046	1.046	0.000
35	11	1.050	1.050	0.000
35	12	1.050	1.050	0.000
35	13	1.046	1.048	0.002
35	14	1.050	1.050	0.000
35	15	1.054	1.056	0.002
30	16	1.040	1.036	-0.004
30	17	1.052	1.052	0.000
30	18	1.048	1.044	-0.004
30	19	1.052	1.050	-0.002
30	20	1.044	1.042	-0.002
55	21	1.050	1.052	0.002
55	22	1.056	1.058	0.002
55	23	1.058	1.058	0.000
55	24	1.054	1.054	0.000
55	25	1.058	1.056	-0.002
55	26	1.052	1.052	0.000
55	27	1.046	1.044	-0.002
55	28	1.058	1.062	0.004
55	29	1.056	1.056	0.000
55	30	1.058	1.060	0.002
55	31	1.050	1.050	0.000
55	32	1.054	1.052	-0.002
55	33	1.052	1.054	0.002
55	34	1.054	1.052	-0.002
55	35	1.048	1.044	-0.004
55	36	1.054	1.054	0.000
55	37	1.052	1.054	0.002
55	38	1.054	1.052	-0.002
55	39	1.058	1.052	-0.006
55	40	1.050	1.056	0.006
55	41	1.048	1.050	0.002
55	42	1.048	1.048	0.000
50	43	1.066	1.066	0.000
50	44	1.050	1.048	-0.002
50	45	1.052	1.054	0.002
50	46	1.052	1.050	-0.002
50	47	1.052	1.050	-0.002
Max		1.068	1.068	0.006
Average		1.051	1.051	0.000
Min		1.038	1.036	-0.006
Std Dev		0.006	0.007	0.002

10.7_V_CS_ILIM_OC_Rise_14V	
Test Site	
Tester	
Test Number	
Max Limit	1.09
Min Limit	V

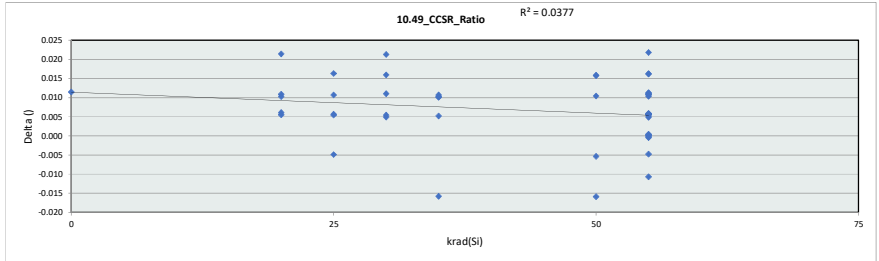
krad(Si)	0	20	25	30	35	50	55
LL							
Min	1.044	1.036	1.040	1.036	1.048	1.048	1.044
Average	1.044	1.049	1.047	1.045	1.051	1.054	1.053
Max	1.044	1.068	1.054	1.052	1.056	1.066	1.062
UL	1.090	1.090	1.090	1.090	1.090	1.090	1.090



HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

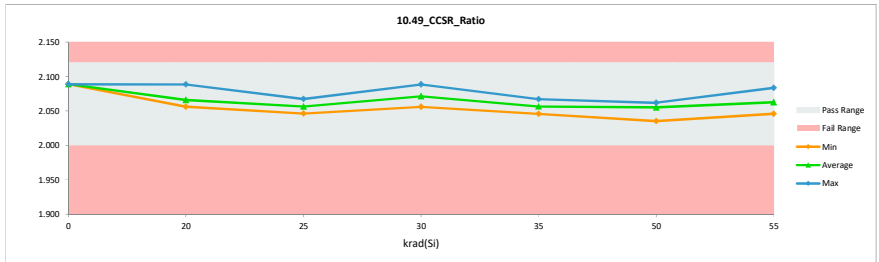
10.49_CCSR_Ratio	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	2.12
Min Limit	2



krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	2.077	2.089		0.011
25	1	2.046	2.056		0.011
25	2	2.051	2.067		0.016
25	3	2.046	2.051		0.006
25	4	2.051	2.046		-0.005
25	5	2.057	2.062		0.005
20	6	2.051	2.057		0.006
20	7	2.067	2.073		0.006
20	8	2.067	2.088		0.021
20	9	2.046	2.056		0.010
20	10	2.046	2.056		0.011
35	11	2.057	2.067		0.011
35	12	2.051	2.056		0.005
35	13	2.062	2.046		-0.016
35	14	2.052	2.062		0.010
35	15	2.041	2.051		0.010
30	16	2.062	2.078		0.016
30	17	2.067	2.078		0.011
30	18	2.067	2.089		0.021
30	19	2.051	2.056		0.005
30	20	2.051	2.056		0.005
55	21	2.051	2.067		0.016
55	22	2.051	2.056		0.006
55	23	2.051	2.073		0.022
55	24	2.045	2.051		0.006
55	25	2.051	2.062		0.011
55	26	2.078	2.067		-0.011
55	27	2.045	2.056		0.011
55	28	2.067	2.078		0.011
55	29	2.067	2.072		0.005
55	30	2.051	2.056		0.006
55	31	2.046	2.046		0.000
55	32	2.062	2.072		0.011
55	33	2.083	2.084		0.000
55	34	2.051	2.051		0.000
55	35	2.051	2.056		0.006
55	36	2.061	2.078		0.016
55	37	2.056	2.056		0.000
55	38	2.051	2.056		0.005
55	39	2.046	2.057		0.010
55	40	2.051	2.056		0.006
55	41	2.057	2.056		0.000
55	42	2.077	2.072		-0.005
50	43	2.046	2.062		0.016
50	44	2.046	2.061		0.016
50	45	2.062	2.056		-0.005
50	46	2.051	2.062		0.010
50	47	2.051	2.035		-0.016
Max		2.083	2.089		0.022
Average		2.056	2.062		0.007
Min		2.041	2.035		-0.016
Std Dev		0.010	0.012		0.008

10.49_CCSR_Ratio	
Test Site	
Tester	
Test Number	
Max Limit	2.12
Min Limit	2

krad(Si)	0	20	25	30	35	50	55
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	2.089	2.056	2.046	2.056	2.046	2.035	2.046
Average	2.089	2.066	2.057	2.071	2.056	2.055	2.063
Max	2.089	2.088	2.067	2.089	2.067	2.062	2.084
UL	2.120	2.120	2.120	2.120	2.120	2.120	2.120

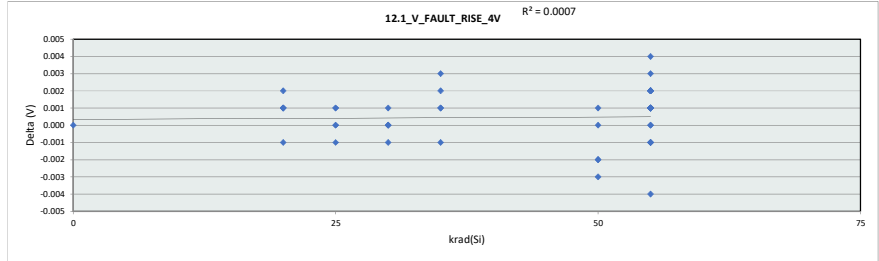


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

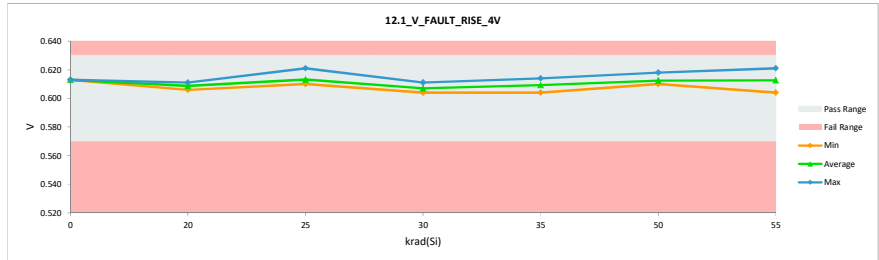
12.1_V_FAULT_RISE_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.63
Min Limit	0.57

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.613	0.613	0.000
25	1	0.611	0.611	0.000
25	2	0.611	0.610	-0.001
25	3	0.612	0.613	0.001
25	4	0.611	0.611	0.000
25	5	0.620	0.621	0.001
20	6	0.605	0.607	0.002
20	7	0.610	0.611	0.001
20	8	0.605	0.606	0.001
20	9	0.610	0.609	-0.001
20	10	0.610	0.611	0.001
35	11	0.613	0.614	0.001
35	12	0.608	0.610	0.002
35	13	0.606	0.605	-0.001
35	14	0.603	0.604	0.001
35	15	0.610	0.613	0.003
30	16	0.607	0.607	0.000
30	17	0.607	0.608	0.001
30	18	0.604	0.604	0.000
30	19	0.606	0.605	-0.001
30	20	0.611	0.611	0.000
55	21	0.608	0.609	0.001
55	22	0.614	0.615	0.001
55	23	0.603	0.604	0.001
55	24	0.613	0.612	-0.001
55	25	0.610	0.610	0.000
55	26	0.619	0.621	0.002
55	27	0.613	0.614	0.001
55	28	0.608	0.607	-0.001
55	29	0.616	0.617	0.001
55	30	0.609	0.610	0.001
55	31	0.612	0.611	-0.001
55	32	0.614	0.616	0.002
55	33	0.613	0.613	0.000
55	34	0.614	0.615	0.001
55	35	0.611	0.613	0.002
55	36	0.609	0.611	0.002
55	37	0.614	0.613	-0.001
55	38	0.620	0.621	0.001
55	39	0.613	0.609	-0.004
55	40	0.609	0.613	0.004
55	41	0.607	0.610	0.003
55	42	0.614	0.616	0.002
50	43	0.617	0.618	0.001
50	44	0.610	0.610	0.000
50	45	0.612	0.610	-0.002
50	46	0.616	0.613	-0.003
50	47	0.613	0.611	-0.002
Max		0.620	0.621	0.004
Average		0.611	0.611	0.000
Min		0.603	0.604	-0.004
Std Dev		0.004	0.004	0.002



12.1_V_FAULT_RISE_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.63
Min Limit	0.57

krad(Si)	0	20	25	30	35	50	55
LL	0.570	0.570	0.570	0.570	0.570	0.570	0.570
Min	0.613	0.606	0.610	0.604	0.604	0.610	0.604
Average	0.613	0.609	0.613	0.607	0.609	0.612	0.613
Max	0.613	0.611	0.621	0.611	0.614	0.618	0.621
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630

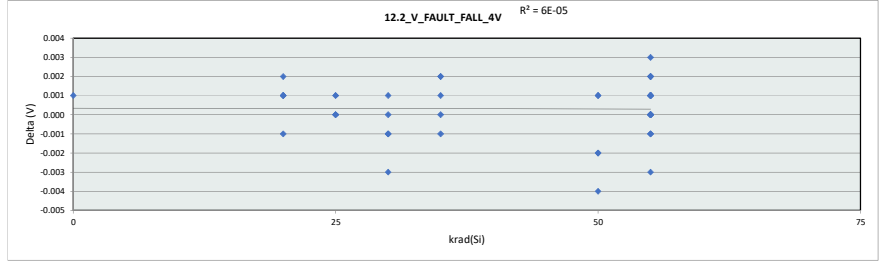


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

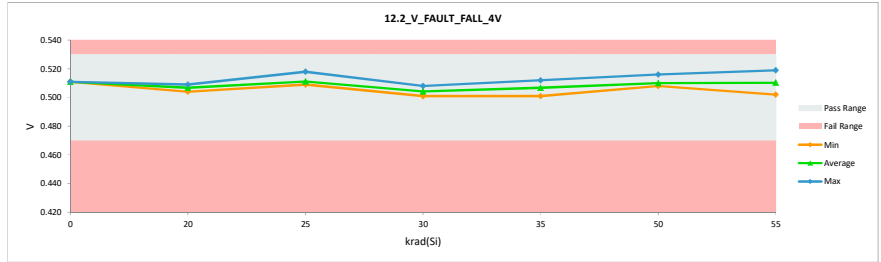
12.2_V_FAULT_FALL_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.47

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.510	0.511	0.001
25	1	0.509	0.509	0.000
25	2	0.509	0.509	0.000
25	3	0.510	0.511	0.001
25	4	0.509	0.509	0.000
25	5	0.517	0.518	0.001
20	6	0.503	0.505	0.002
20	7	0.508	0.509	0.001
20	8	0.503	0.504	0.001
20	9	0.508	0.507	-0.001
20	10	0.508	0.509	0.001
35	11	0.511	0.512	0.001
35	12	0.506	0.508	0.002
35	13	0.504	0.503	-0.001
35	14	0.501	0.501	0.000
35	15	0.508	0.510	0.002
30	16	0.505	0.504	-0.001
30	17	0.505	0.506	0.001
30	18	0.501	0.501	0.000
30	19	0.505	0.502	-0.003
30	20	0.509	0.508	-0.001
55	21	0.506	0.507	0.001
55	22	0.512	0.513	0.001
55	23	0.500	0.502	0.002
55	24	0.510	0.509	-0.001
55	25	0.507	0.508	0.001
55	26	0.517	0.518	0.001
55	27	0.511	0.511	0.000
55	28	0.506	0.506	0.000
55	29	0.514	0.515	0.001
55	30	0.507	0.507	0.000
55	31	0.509	0.509	0.000
55	32	0.512	0.513	0.001
55	33	0.511	0.511	0.000
55	34	0.513	0.513	0.000
55	35	0.508	0.510	0.002
55	36	0.507	0.508	0.001
55	37	0.511	0.510	-0.001
55	38	0.518	0.519	0.001
55	39	0.510	0.507	-0.003
55	40	0.507	0.510	0.003
55	41	0.505	0.507	0.002
55	42	0.512	0.514	0.002
50	43	0.515	0.516	0.001
50	44	0.507	0.508	0.001
50	45	0.510	0.508	-0.002
50	46	0.514	0.510	-0.004
50	47	0.510	0.508	-0.002
Max		0.518	0.519	0.003
Average		0.509	0.509	0.000
Min		0.500	0.501	-0.004
Std Dev		0.004	0.004	0.001



12.2_V_FAULT_FALL_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.53
Min Limit	0.47

krad(Si)	0	20	25	30	35	50	55
LL	0.470	0.470	0.470	0.470	0.470	0.470	0.470
Min	0.511	0.504	0.509	0.501	0.501	0.508	0.502
Average	0.511	0.507	0.511	0.504	0.507	0.510	0.510
Max	0.511	0.509	0.518	0.508	0.512	0.516	0.519
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

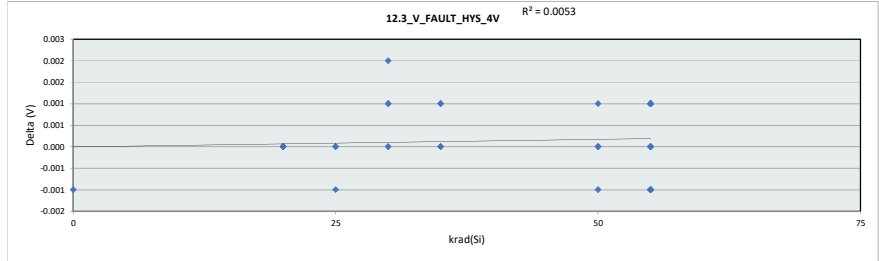


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

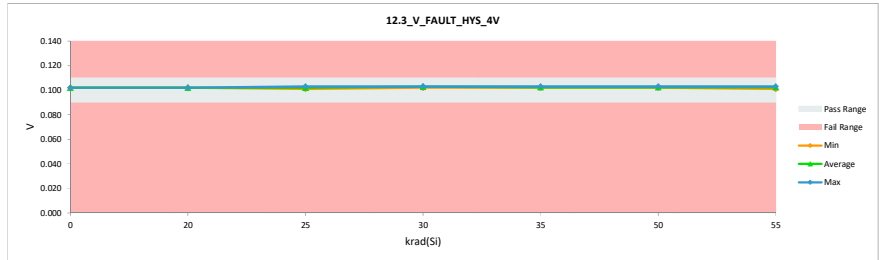
12.3_V_FAULT_HYS_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.11 0.11
Min Limit	0.09 0.09

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.103	0.102		-0.001
25	1	0.102	0.102		0.000
25	2	0.102	0.101		-0.001
25	3	0.102	0.102		0.000
25	4	0.102	0.102		0.000
25	5	0.103	0.103		0.000
20	6	0.102	0.102		0.000
20	7	0.102	0.102		0.000
20	8	0.102	0.102		0.000
20	9	0.102	0.102		0.000
20	10	0.102	0.102		0.000
35	11	0.102	0.102		0.000
35	12	0.102	0.102		0.000
35	13	0.102	0.102		0.000
35	14	0.102	0.103		0.001
35	15	0.102	0.103		0.001
30	16	0.102	0.103		0.001
30	17	0.102	0.102		0.000
30	18	0.103	0.103		0.000
30	19	0.101	0.103		0.002
30	20	0.102	0.103		0.001
55	21	0.102	0.102		0.000
55	22	0.102	0.102		0.000
55	23	0.103	0.102		-0.001
55	24	0.103	0.103		0.000
55	25	0.103	0.102		-0.001
55	26	0.102	0.103		0.001
55	27	0.102	0.103		0.001
55	28	0.102	0.101		-0.001
55	29	0.102	0.102		0.000
55	30	0.102	0.103		0.001
55	31	0.103	0.102		-0.001
55	32	0.102	0.103		0.001
55	33	0.102	0.102		0.000
55	34	0.101	0.102		0.001
55	35	0.103	0.103		0.000
55	36	0.102	0.103		0.001
55	37	0.103	0.103		0.000
55	38	0.102	0.102		0.000
55	39	0.103	0.102		-0.001
55	40	0.102	0.103		0.001
55	41	0.102	0.103		0.001
55	42	0.102	0.102		0.000
50	43	0.102	0.102		0.000
50	44	0.103	0.102		-0.001
50	45	0.102	0.102		0.000
50	46	0.102	0.103		0.001
50	47	0.103	0.103		0.000
Max		0.103	0.103		0.002
Average		0.102	0.102		0.000
Min		0.101	0.101		-0.001
Std Dev		0.001	0.001		0.001



12.3_V_FAULT_HYS_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.11 V
Min Limit	0.09 V

krad(Si)	0	20	25	30	35	50	55
LL	0.090	0.090	0.090	0.090	0.090	0.090	0.090
Min	0.102	0.102	0.101	0.102	0.102	0.102	0.101
Average	0.102	0.102	0.102	0.103	0.102	0.102	0.102
Max	0.102	0.102	0.103	0.103	0.103	0.103	0.103
UL	0.110	0.110	0.110	0.110	0.110	0.110	0.110

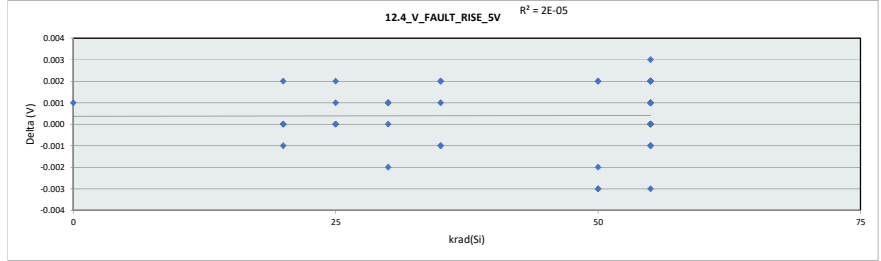


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

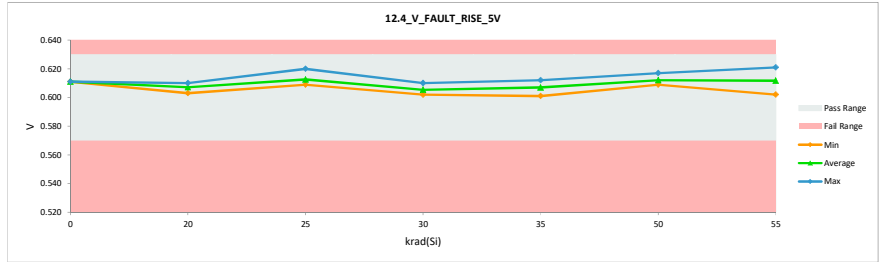
12.4_V_FAULT_RISE_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.63
Min Limit	0.57

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.610	0.611		0.001
25	1	0.610	0.610		0.000
25	2	0.609	0.609		0.000
25	3	0.612	0.613		0.001
25	4	0.611	0.611		0.000
25	5	0.618	0.620		0.002
20	6	0.603	0.605		0.002
20	7	0.609	0.609		0.000
20	8	0.603	0.603		0.000
20	9	0.610	0.609		-0.001
20	10	0.610	0.610		0.000
35	11	0.611	0.612		0.001
35	12	0.607	0.609		0.002
35	13	0.603	0.602		-0.001
35	14	0.602	0.601		-0.001
35	15	0.609	0.611		0.002
30	16	0.604	0.605		0.001
30	17	0.606	0.607		0.001
30	18	0.602	0.602		0.000
30	19	0.605	0.603		-0.002
30	20	0.609	0.610		0.001
55	21	0.608	0.609		0.001
55	22	0.615	0.615		0.000
55	23	0.601	0.602		0.001
55	24	0.612	0.611		-0.001
55	25	0.608	0.608		0.000
55	26	0.619	0.621		0.002
55	27	0.611	0.612		0.001
55	28	0.608	0.608		0.000
55	29	0.615	0.616		0.001
55	30	0.608	0.610		0.002
55	31	0.611	0.610		-0.001
55	32	0.613	0.615		0.002
55	33	0.611	0.611		0.000
55	34	0.613	0.614		0.001
55	35	0.610	0.610		0.000
55	36	0.608	0.610		0.002
55	37	0.614	0.613		-0.001
55	38	0.621	0.621		0.000
55	39	0.612	0.609		-0.003
55	40	0.609	0.612		0.003
55	41	0.606	0.608		0.002
55	42	0.612	0.614		0.002
50	43	0.615	0.617		0.002
50	44	0.609	0.611		0.002
50	45	0.612	0.609		-0.003
50	46	0.617	0.614		-0.003
50	47	0.611	0.609		-0.002
	Max	0.621	0.621		0.003
	Average	0.610	0.610		0.000
	Min	0.601	0.601		-0.003
	Std Dev	0.004	0.005		0.001



12.4_V_FAULT_RISE_5V	
Test Site	
Tester	
Test Number	
Max Limit	0.63
Min Limit	0.57

krad(Si)	0	20	25	30	35	50	55
LL	0.570	0.570	0.570	0.570	0.570	0.570	0.570
Min	0.611	0.603	0.609	0.602	0.601	0.609	0.602
Average	0.611	0.607	0.613	0.605	0.607	0.612	0.612
Max	0.611	0.610	0.620	0.610	0.612	0.617	0.621
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630

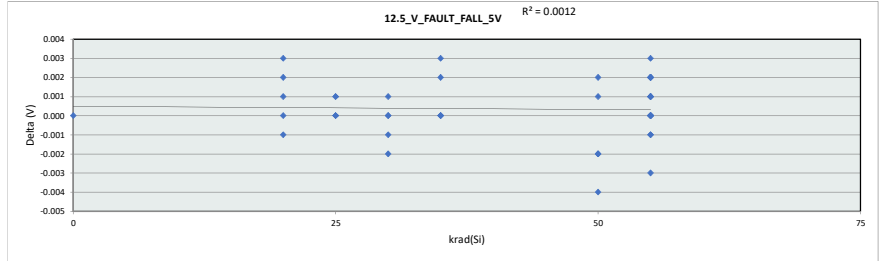


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

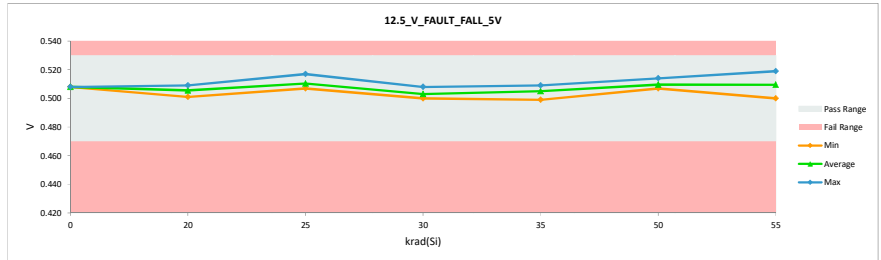
12.5_V_FAULT_FALL_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.47

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.508	0.508	0.000
25	1	0.507	0.508	0.001
25	2	0.507	0.507	0.000
25	3	0.511	0.511	0.000
25	4	0.509	0.509	0.000
25	5	0.516	0.517	0.001
20	6	0.500	0.503	0.003
20	7	0.507	0.508	0.001
20	8	0.501	0.501	0.000
20	9	0.508	0.507	-0.001
20	10	0.507	0.509	0.002
35	11	0.509	0.509	0.000
35	12	0.505	0.508	0.003
35	13	0.500	0.500	0.000
35	14	0.499	0.499	0.000
35	15	0.507	0.509	0.002
30	16	0.503	0.502	-0.001
30	17	0.504	0.504	0.000
30	18	0.500	0.500	0.000
30	19	0.503	0.501	-0.002
30	20	0.507	0.508	0.001
55	21	0.506	0.506	0.000
55	22	0.512	0.513	0.001
55	23	0.499	0.500	0.001
55	24	0.509	0.508	-0.001
55	25	0.506	0.506	0.000
55	26	0.517	0.519	0.002
55	27	0.509	0.509	0.000
55	28	0.506	0.506	0.000
55	29	0.513	0.514	0.001
55	30	0.506	0.507	0.001
55	31	0.509	0.508	-0.001
55	32	0.511	0.513	0.002
55	33	0.508	0.508	0.000
55	34	0.512	0.512	0.000
55	35	0.508	0.508	0.000
55	36	0.506	0.508	0.002
55	37	0.511	0.511	0.000
55	38	0.519	0.519	0.000
55	39	0.510	0.507	-0.003
55	40	0.507	0.510	0.003
55	41	0.503	0.505	0.002
55	42	0.510	0.512	0.002
50	43	0.513	0.514	0.001
50	44	0.507	0.509	0.002
50	45	0.509	0.507	-0.002
50	46	0.515	0.511	-0.004
50	47	0.509	0.507	-0.002
Max		0.519	0.519	0.003
Average		0.508	0.508	0.000
Min		0.499	0.499	-0.004
Std Dev		0.005	0.005	0.001



12.5_V_FAULT_FALL_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.47

krad(Si)	0	20	25	30	35	50	55
LL	0.470	0.470	0.470	0.470	0.470	0.470	0.470
Min	0.508	0.501	0.507	0.500	0.499	0.507	0.500
Average	0.508	0.506	0.510	0.503	0.505	0.510	0.510
Max	0.508	0.509	0.517	0.508	0.509	0.514	0.519
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

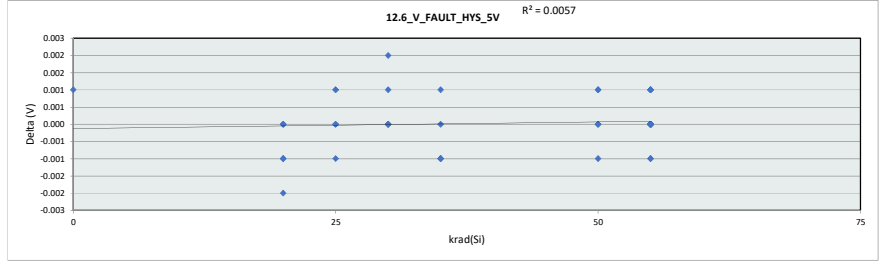


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

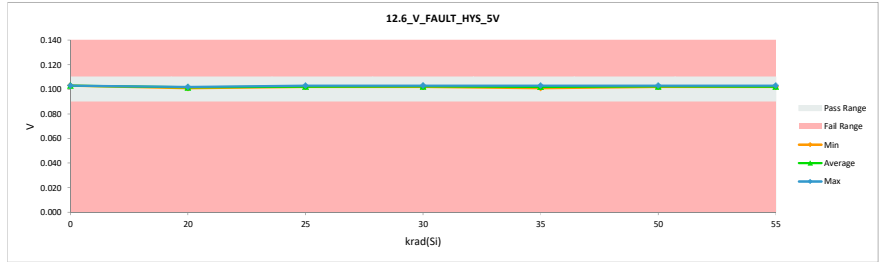
12.6_V_FAULT_HYS_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.11
Min Limit	0.09

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.102	0.103		0.001
25	1	0.103	0.102		-0.001
25	2	0.102	0.102		0.000
25	3	0.101	0.102		0.001
25	4	0.102	0.102		0.000
25	5	0.102	0.103		0.001
20	6	0.103	0.102		-0.001
20	7	0.102	0.101		-0.001
20	8	0.102	0.102		0.000
20	9	0.102	0.102		0.000
20	10	0.103	0.101		-0.002
35	11	0.102	0.103		0.001
35	12	0.102	0.101		-0.001
35	13	0.103	0.102		-0.001
35	14	0.103	0.102		-0.001
35	15	0.102	0.102		0.000
30	16	0.101	0.103		0.002
30	17	0.102	0.103		0.001
30	18	0.102	0.102		0.000
30	19	0.102	0.102		0.000
30	20	0.102	0.102		0.000
55	21	0.102	0.103		0.001
55	22	0.103	0.102		-0.001
55	23	0.102	0.102		0.000
55	24	0.103	0.103		0.000
55	25	0.102	0.102		0.000
55	26	0.102	0.102		0.000
55	27	0.102	0.103		0.001
55	28	0.102	0.102		0.000
55	29	0.102	0.102		0.000
55	30	0.102	0.103		0.001
55	31	0.102	0.102		0.000
55	32	0.102	0.102		0.000
55	33	0.103	0.103		0.000
55	34	0.101	0.102		0.001
55	35	0.102	0.102		0.000
55	36	0.102	0.102		0.000
55	37	0.103	0.102		-0.001
55	38	0.102	0.102		0.000
55	39	0.102	0.102		0.000
55	40	0.102	0.102		0.000
55	41	0.103	0.103		0.000
55	42	0.102	0.102		0.000
50	43	0.102	0.103		0.001
50	44	0.102	0.102		0.000
50	45	0.103	0.102		-0.001
50	46	0.102	0.103		0.001
50	47	0.102	0.102		0.000
	Max	0.103	0.103		0.002
	Average	0.102	0.102		0.000
	Min	0.101	0.101		-0.002
	Std Dev	0.001	0.001		0.001



12.6_V_FAULT_HYS_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.11
Min Limit	0.09

krad(Si)	0	20	25	30	35	50	55
LL	0.090	0.090	0.090	0.090	0.090	0.090	0.090
Min	0.103	0.101	0.102	0.102	0.101	0.102	0.102
Average	0.103	0.102	0.102	0.102	0.102	0.102	0.102
Max	0.103	0.102	0.103	0.103	0.103	0.103	0.103
UL	0.110	0.110	0.110	0.110	0.110	0.110	0.110

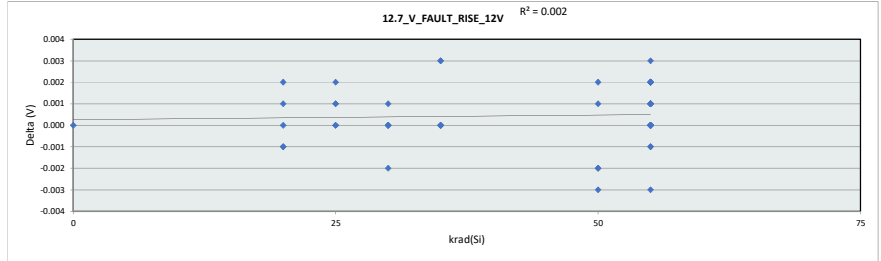


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

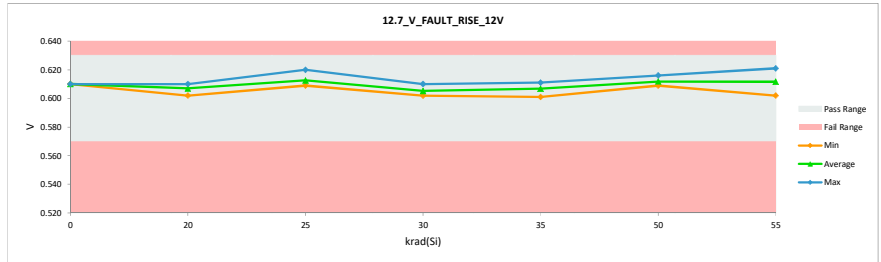
12.7_V_FAULT_RISE_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.63
Min Limit	0.57

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.610	0.610	0.000
25	1	0.609	0.610	0.001
25	2	0.609	0.609	0.000
25	3	0.612	0.613	0.001
25	4	0.611	0.611	0.000
25	5	0.618	0.620	0.002
20	6	0.603	0.605	0.002
20	7	0.609	0.609	0.000
20	8	0.603	0.602	-0.001
20	9	0.610	0.609	-0.001
20	10	0.609	0.610	0.001
35	11	0.611	0.611	0.000
35	12	0.606	0.609	0.003
35	13	0.602	0.602	0.000
35	14	0.601	0.601	0.000
35	15	0.608	0.611	0.003
30	16	0.604	0.604	0.000
30	17	0.606	0.607	0.001
30	18	0.602	0.602	0.000
30	19	0.605	0.603	-0.002
30	20	0.610	0.610	0.000
55	21	0.608	0.609	0.001
55	22	0.615	0.615	0.000
55	23	0.601	0.602	0.001
55	24	0.611	0.611	0.000
55	25	0.608	0.608	0.000
55	26	0.619	0.621	0.002
55	27	0.611	0.612	0.001
55	28	0.608	0.607	-0.001
55	29	0.615	0.616	0.001
55	30	0.608	0.609	0.001
55	31	0.611	0.610	-0.001
55	32	0.613	0.615	0.002
55	33	0.610	0.611	0.001
55	34	0.613	0.614	0.001
55	35	0.610	0.610	0.000
55	36	0.608	0.610	0.002
55	37	0.613	0.613	0.000
55	38	0.621	0.621	0.000
55	39	0.612	0.609	-0.003
55	40	0.609	0.612	0.003
55	41	0.605	0.607	0.002
55	42	0.612	0.614	0.002
50	43	0.615	0.616	0.001
50	44	0.609	0.611	0.002
50	45	0.611	0.609	-0.002
50	46	0.617	0.614	-0.003
50	47	0.611	0.609	-0.002
Max		0.621	0.621	0.003
Average		0.610	0.610	0.000
Min		0.601	0.601	-0.003
Std Dev		0.005	0.005	0.001



12.7_V_FAULT_RISE_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.63
Min Limit	0.57

krad(Si)	0	20	25	30	35	50	55
LL	0.570	0.570	0.570	0.570	0.570	0.570	0.570
Min	0.610	0.602	0.609	0.602	0.601	0.609	0.602
Average	0.610	0.607	0.613	0.605	0.607	0.612	0.612
Max	0.610	0.610	0.620	0.610	0.611	0.616	0.621
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630

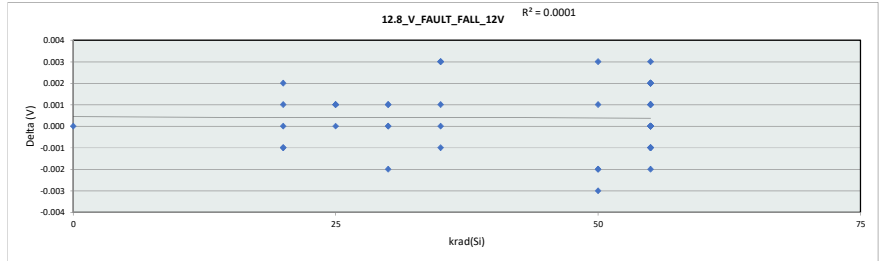


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

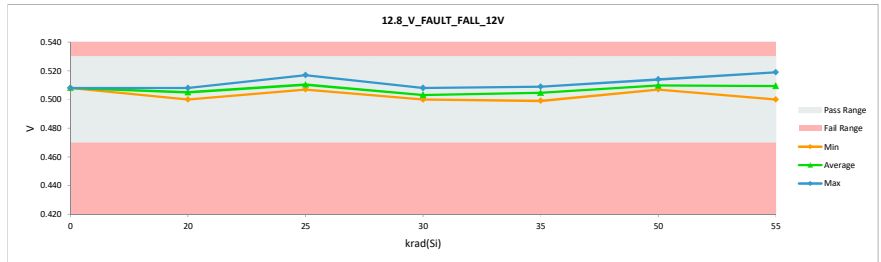
12.8_V_FAULT_FALL_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.47

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.508	0.508	0.000
25	1	0.507	0.508	0.001
25	2	0.507	0.507	0.000
25	3	0.510	0.511	0.001
25	4	0.508	0.509	0.001
25	5	0.516	0.517	0.001
20	6	0.501	0.503	0.002
20	7	0.507	0.507	0.000
20	8	0.501	0.500	-0.001
20	9	0.508	0.507	-0.001
20	10	0.507	0.508	0.001
35	11	0.508	0.509	0.001
35	12	0.504	0.507	0.003
35	13	0.500	0.499	-0.001
35	14	0.499	0.499	0.000
35	15	0.506	0.509	0.003
30	16	0.502	0.502	0.000
30	17	0.504	0.505	0.001
30	18	0.500	0.500	0.000
30	19	0.503	0.501	-0.002
30	20	0.507	0.508	0.001
55	21	0.506	0.506	0.000
55	22	0.513	0.513	0.000
55	23	0.499	0.500	0.001
55	24	0.509	0.509	0.000
55	25	0.505	0.506	0.001
55	26	0.517	0.519	0.002
55	27	0.509	0.509	0.000
55	28	0.506	0.505	-0.001
55	29	0.513	0.514	0.001
55	30	0.506	0.507	0.001
55	31	0.509	0.508	-0.001
55	32	0.511	0.513	0.002
55	33	0.508	0.508	0.000
55	34	0.512	0.511	-0.001
55	35	0.508	0.508	0.000
55	36	0.505	0.507	0.002
55	37	0.512	0.511	-0.001
55	38	0.519	0.519	0.000
55	39	0.509	0.507	-0.002
55	40	0.507	0.510	0.003
55	41	0.503	0.505	0.002
55	42	0.510	0.512	0.002
50	43	0.513	0.514	0.001
50	44	0.506	0.509	0.003
50	45	0.509	0.507	-0.002
50	46	0.515	0.512	-0.003
50	47	0.509	0.507	-0.002
Max		0.519	0.519	0.003
Average		0.508	0.508	0.000
Min		0.499	0.499	-0.003
Std Dev		0.005	0.005	0.001



12.8_V_FAULT_FALL_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.53
Min Limit	0.47

krad(Si)	0	20	25	30	35	50	55
LL	0.470	0.470	0.470	0.470	0.470	0.470	0.470
Min	0.508	0.500	0.507	0.500	0.499	0.507	0.500
Average	0.508	0.505	0.510	0.503	0.505	0.510	0.509
Max	0.508	0.508	0.517	0.508	0.509	0.514	0.519
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

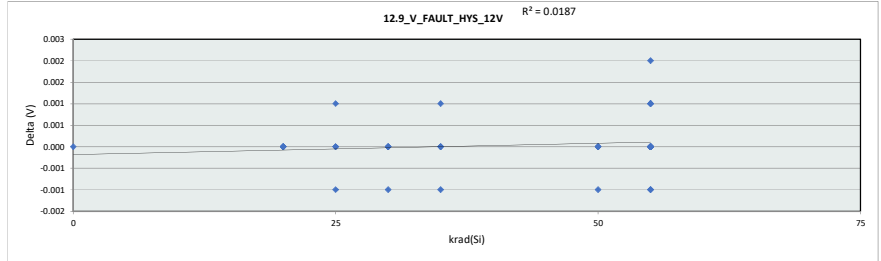


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

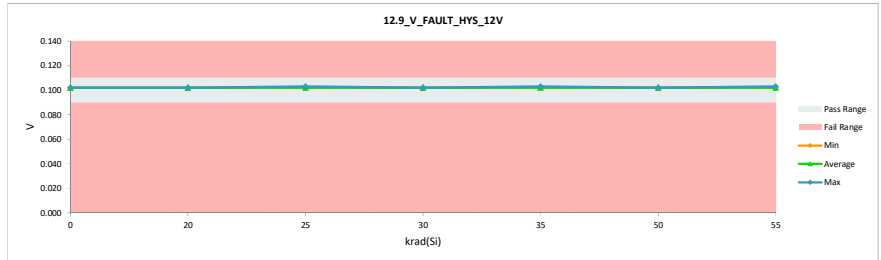
12.9_V_FAULT_HYS_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.11
Min Limit	0.09

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.102	0.102	0.000
25	1	0.102	0.102	0.000
25	2	0.102	0.102	0.000
25	3	0.102	0.102	0.000
25	4	0.103	0.102	-0.001
25	5	0.102	0.103	0.001
20	6	0.102	0.102	0.000
20	7	0.102	0.102	0.000
20	8	0.102	0.102	0.000
20	9	0.102	0.102	0.000
20	10	0.102	0.102	0.000
35	11	0.103	0.102	-0.001
35	12	0.102	0.102	0.000
35	13	0.102	0.103	0.001
35	14	0.102	0.102	0.000
35	15	0.102	0.102	0.000
30	16	0.102	0.102	0.000
30	17	0.102	0.102	0.000
30	18	0.102	0.102	0.000
30	19	0.102	0.102	0.000
30	20	0.103	0.102	-0.001
55	21	0.102	0.103	0.001
55	22	0.102	0.102	0.000
55	23	0.102	0.102	0.000
55	24	0.102	0.102	0.000
55	25	0.103	0.102	-0.001
55	26	0.102	0.102	0.000
55	27	0.102	0.103	0.001
55	28	0.102	0.102	0.000
55	29	0.102	0.102	0.000
55	30	0.102	0.102	0.000
55	31	0.102	0.102	0.000
55	32	0.102	0.102	0.000
55	33	0.102	0.103	0.001
55	34	0.101	0.103	0.002
55	35	0.102	0.102	0.000
55	36	0.103	0.103	0.000
55	37	0.101	0.102	0.001
55	38	0.102	0.102	0.000
55	39	0.103	0.102	-0.001
55	40	0.102	0.102	0.000
55	41	0.102	0.102	0.000
55	42	0.102	0.102	0.000
50	43	0.102	0.102	0.000
50	44	0.103	0.102	-0.001
50	45	0.102	0.102	0.000
50	46	0.102	0.102	0.000
50	47	0.102	0.102	0.000
Max		0.103	0.103	0.002
Average		0.102	0.102	0.000
Min		0.101	0.102	-0.001
Std Dev		0.000	0.000	0.001



12.9_V_FAULT_HYS_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.11
Min Limit	0.09

krad(Si)	0	20	25	30	35	50	55
LL	0.090	0.090	0.090	0.090	0.090	0.090	0.090
Min	0.102	0.102	0.102	0.102	0.102	0.102	0.102
Average	0.102	0.102	0.102	0.102	0.102	0.102	0.102
Max	0.102	0.102	0.103	0.102	0.103	0.102	0.103
UL	0.110	0.110	0.110	0.110	0.110	0.110	0.110

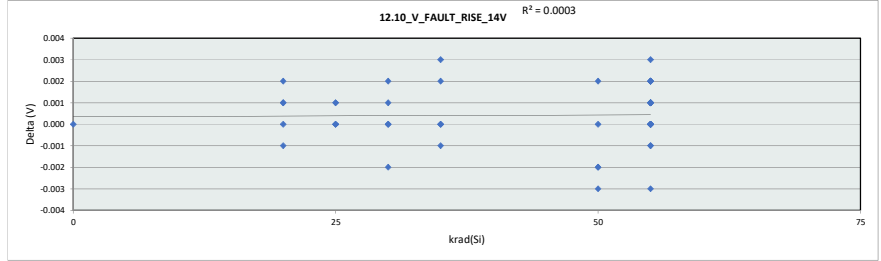


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

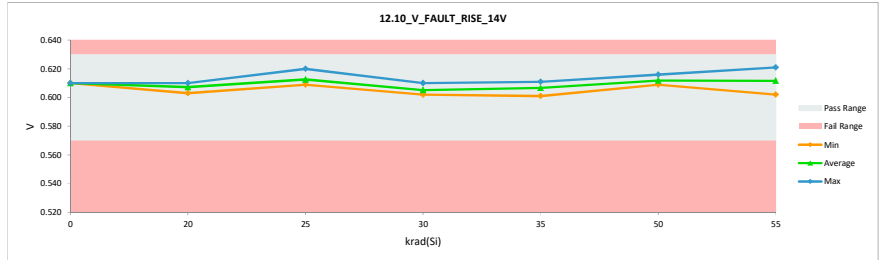
12.10_V_FAULT_RISE_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.63
Min Limit	0.57

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.610	0.610	0.610	0.000
25	1	0.610	0.610	0.610	0.000
25	2	0.609	0.609	0.609	0.000
25	3	0.612	0.613	0.613	0.001
25	4	0.611	0.611	0.611	0.000
25	5	0.619	0.620	0.620	0.001
20	6	0.603	0.605	0.605	0.002
20	7	0.609	0.609	0.609	0.000
20	8	0.602	0.603	0.603	0.001
20	9	0.610	0.609	0.609	-0.001
20	10	0.609	0.610	0.610	0.001
35	11	0.611	0.611	0.611	0.000
35	12	0.607	0.609	0.609	0.002
35	13	0.602	0.601	0.601	-0.001
35	14	0.601	0.601	0.601	0.000
35	15	0.608	0.611	0.611	0.003
30	16	0.604	0.604	0.604	0.000
30	17	0.605	0.607	0.607	0.002
30	18	0.602	0.602	0.602	0.000
30	19	0.605	0.603	0.603	-0.002
30	20	0.609	0.610	0.610	0.001
55	21	0.609	0.609	0.609	0.000
55	22	0.615	0.615	0.615	0.000
55	23	0.601	0.602	0.602	0.001
55	24	0.611	0.611	0.611	0.000
55	25	0.607	0.608	0.608	0.001
55	26	0.619	0.621	0.621	0.002
55	27	0.611	0.612	0.612	0.001
55	28	0.608	0.608	0.608	0.000
55	29	0.615	0.616	0.616	0.001
55	30	0.608	0.609	0.609	0.001
55	31	0.611	0.610	0.610	-0.001
55	32	0.613	0.615	0.615	0.002
55	33	0.610	0.611	0.611	0.001
55	34	0.613	0.614	0.614	0.001
55	35	0.610	0.610	0.610	0.000
55	36	0.608	0.610	0.610	0.002
55	37	0.614	0.613	0.613	-0.001
55	38	0.621	0.621	0.621	0.000
55	39	0.612	0.609	0.609	-0.003
55	40	0.609	0.612	0.612	0.003
55	41	0.605	0.607	0.607	0.002
55	42	0.612	0.614	0.614	0.002
50	43	0.616	0.616	0.616	0.000
50	44	0.609	0.611	0.611	0.002
50	45	0.611	0.609	0.609	-0.002
50	46	0.617	0.614	0.614	-0.003
50	47	0.611	0.609	0.609	-0.002
Max		0.621	0.621	0.621	0.003
Average		0.610	0.610	0.610	0.000
Min		0.601	0.601	0.601	-0.003
Std Dev		0.005	0.005	0.005	0.001



12.10_V_FAULT_RISE_14V	
Test Site	
Tester	
Test Number	
Max Limit	0.63
Min Limit	0.57

krad(Si)	0	20	25	30	35	50	55
LL	0.570	0.570	0.570	0.570	0.570	0.570	0.570
Min	0.610	0.603	0.609	0.602	0.601	0.609	0.602
Average	0.610	0.607	0.613	0.605	0.607	0.612	0.612
Max	0.610	0.610	0.620	0.610	0.611	0.616	0.621
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630

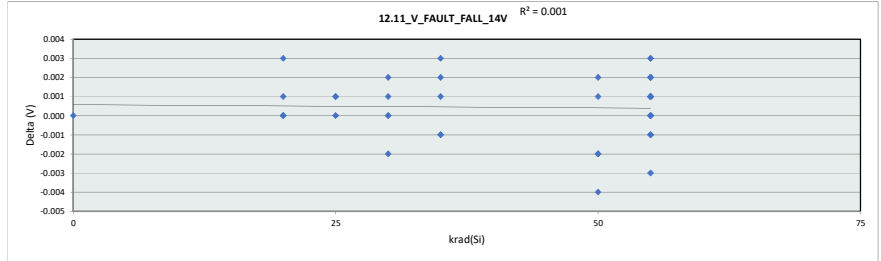


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

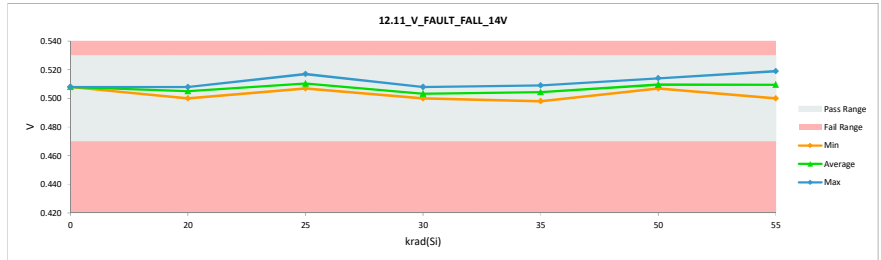
12.11_V_FAULT_FALL_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.47

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.508	0.508	0.000
25	1	0.507	0.508	0.001
25	2	0.507	0.507	0.000
25	3	0.510	0.511	0.001
25	4	0.509	0.509	0.000
25	5	0.516	0.517	0.001
20	6	0.500	0.503	0.003
20	7	0.507	0.507	0.000
20	8	0.500	0.500	0.000
20	9	0.507	0.507	0.000
20	10	0.507	0.508	0.001
35	11	0.508	0.509	0.001
35	12	0.505	0.507	0.002
35	13	0.500	0.499	-0.001
35	14	0.499	0.498	-0.001
35	15	0.506	0.509	0.003
30	16	0.502	0.502	0.000
30	17	0.503	0.505	0.002
30	18	0.500	0.500	0.000
30	19	0.503	0.501	-0.002
30	20	0.507	0.508	0.001
55	21	0.506	0.506	0.000
55	22	0.512	0.513	0.001
55	23	0.499	0.500	0.001
55	24	0.509	0.508	-0.001
55	25	0.505	0.506	0.001
55	26	0.517	0.519	0.002
55	27	0.509	0.509	0.000
55	28	0.506	0.506	0.000
55	29	0.513	0.514	0.001
55	30	0.506	0.507	0.001
55	31	0.509	0.508	-0.001
55	32	0.511	0.513	0.002
55	33	0.508	0.508	0.000
55	34	0.511	0.512	0.001
55	35	0.508	0.508	0.000
55	36	0.505	0.508	0.003
55	37	0.512	0.511	-0.001
55	38	0.519	0.519	0.000
55	39	0.510	0.507	-0.003
55	40	0.507	0.510	0.003
55	41	0.503	0.505	0.002
55	42	0.510	0.512	0.002
50	43	0.513	0.514	0.001
50	44	0.507	0.509	0.002
50	45	0.509	0.507	-0.002
50	46	0.515	0.511	-0.004
50	47	0.509	0.507	-0.002
Max		0.519	0.519	0.003
Average		0.507	0.508	0.000
Min		0.499	0.498	-0.004
Std Dev		0.005	0.005	0.002



12.11_V_FAULT_FALL_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.47

krad(Si)	0	20	25	30	35	50	55
LL	0.470	0.470	0.470	0.470	0.470	0.470	0.470
Min	0.508	0.500	0.507	0.500	0.498	0.507	0.500
Average	0.508	0.505	0.510	0.503	0.504	0.510	0.510
Max	0.508	0.508	0.517	0.508	0.509	0.514	0.519
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

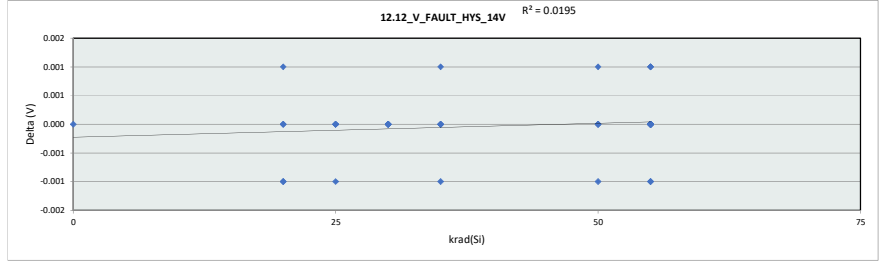


**HDR TID Report
TPS7H5006-SEP**

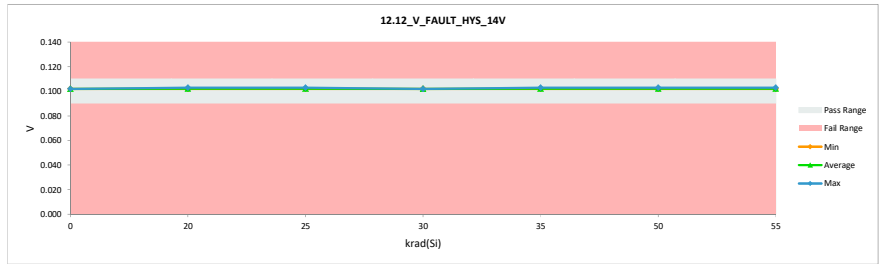
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

12.12_V_FAULT_HYS_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.11
Min Limit	0.09

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	0.102	0.102		0.000
25	1	0.103	0.102		-0.001
25	2	0.102	0.102		0.000
25	3	0.102	0.102		0.000
25	4	0.102	0.102		0.000
25	5	0.103	0.103		0.000
20	6	0.103	0.102		-0.001
20	7	0.102	0.102		0.000
20	8	0.102	0.103		0.001
20	9	0.103	0.102		-0.001
20	10	0.102	0.102		0.000
35	11	0.103	0.102		-0.001
35	12	0.102	0.102		0.000
35	13	0.102	0.102		0.000
35	14	0.102	0.103		0.001
35	15	0.102	0.102		0.000
30	16	0.102	0.102		0.000
30	17	0.102	0.102		0.000
30	18	0.102	0.102		0.000
30	19	0.102	0.102		0.000
30	20	0.102	0.102		0.000
55	21	0.103	0.103		0.000
55	22	0.103	0.102		-0.001
55	23	0.102	0.102		0.000
55	24	0.102	0.103		0.001
55	25	0.102	0.102		0.000
55	26	0.102	0.102		0.000
55	27	0.102	0.103		0.001
55	28	0.102	0.102		0.000
55	29	0.102	0.102		0.000
55	30	0.102	0.102		0.000
55	31	0.102	0.102		0.000
55	32	0.102	0.102		0.000
55	33	0.102	0.103		0.001
55	34	0.102	0.102		0.000
55	35	0.102	0.102		0.000
55	36	0.103	0.102		-0.001
55	37	0.102	0.102		0.000
55	38	0.102	0.102		0.000
55	39	0.102	0.102		0.000
55	40	0.102	0.102		0.000
55	41	0.102	0.102		0.000
55	42	0.102	0.102		0.000
50	43	0.103	0.102		-0.001
50	44	0.102	0.102		0.000
50	45	0.102	0.102		0.000
50	46	0.102	0.103		0.001
50	47	0.102	0.102		0.000
	Max	0.103	0.103		0.001
	Average	0.102	0.102		0.000
	Min	0.102	0.102		-0.001
	Std Dev	0.000	0.000		0.001



12.12_V_FAULT_HYS_14V		0	20	25	30	35	50	55
LL		0.090	0.090	0.090	0.090	0.090	0.090	0.090
Min		0.102	0.102	0.102	0.102	0.102	0.102	0.102
Average		0.102	0.102	0.102	0.102	0.102	0.102	0.102
Max		0.102	0.103	0.103	0.102	0.103	0.103	0.103
UL		0.110	0.110	0.110	0.110	0.110	0.110	0.110

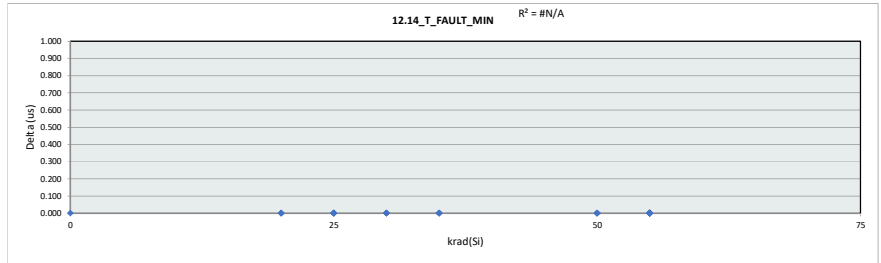


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

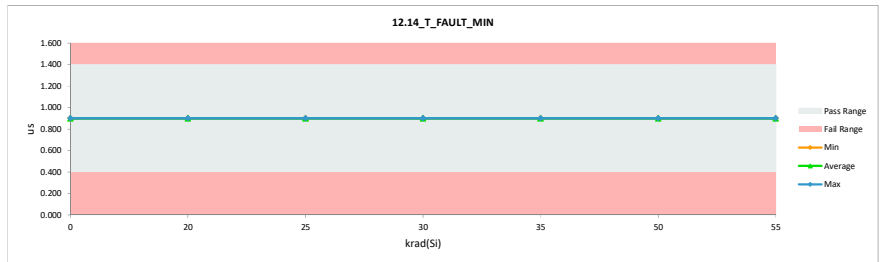
12.14_T_FAULT_MIN	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	1.4 1.4
Min Limit	0.4 0.4

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	0.900	0.900	0.000
25	1	0.900	0.900	0.000
25	2	0.900	0.900	0.000
25	3	0.900	0.900	0.000
25	4	0.900	0.900	0.000
25	5	0.900	0.900	0.000
20	6	0.900	0.900	0.000
20	7	0.900	0.900	0.000
20	8	0.900	0.900	0.000
20	9	0.900	0.900	0.000
20	10	0.900	0.900	0.000
35	11	0.900	0.900	0.000
35	12	0.900	0.900	0.000
35	13	0.900	0.900	0.000
35	14	0.900	0.900	0.000
35	15	0.900	0.900	0.000
30	16	0.900	0.900	0.000
30	17	0.900	0.900	0.000
30	18	0.900	0.900	0.000
30	19	0.900	0.900	0.000
30	20	0.900	0.900	0.000
55	21	0.900	0.900	0.000
55	22	0.900	0.900	0.000
55	23	0.900	0.900	0.000
55	24	0.900	0.900	0.000
55	25	0.900	0.900	0.000
55	26	0.900	0.900	0.000
55	27	0.900	0.900	0.000
55	28	0.900	0.900	0.000
55	29	0.900	0.900	0.000
55	30	0.900	0.900	0.000
55	31	0.900	0.900	0.000
55	32	0.900	0.900	0.000
55	33	0.900	0.900	0.000
55	34	0.900	0.900	0.000
55	35	0.900	0.900	0.000
55	36	0.900	0.900	0.000
55	37	0.900	0.900	0.000
55	38	0.900	0.900	0.000
55	39	0.900	0.900	0.000
55	40	0.900	0.900	0.000
55	41	0.900	0.900	0.000
55	42	0.900	0.900	0.000
50	43	0.900	0.900	0.000
50	44	0.900	0.900	0.000
50	45	0.900	0.900	0.000
50	46	0.900	0.900	0.000
50	47	0.900	0.900	0.000
Max		0.900	0.900	0.000
Average		0.900	0.900	0.000
Min		0.900	0.900	0.000
Std Dev		0.000	0.000	0.000



12.14_T_FAULT_MIN	
Test Site	
Tester	
Test Number	
Max Limit	1.4 us
Min Limit	0.4 us

krad(Si)	0	20	25	30	35	50	55
LL	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Min	0.900	0.900	0.900	0.900	0.900	0.900	0.900
Average	0.900	0.900	0.900	0.900	0.900	0.900	0.900
Max	0.900	0.900	0.900	0.900	0.900	0.900	0.900
UL	1.400	1.400	1.400	1.400	1.400	1.400	1.400



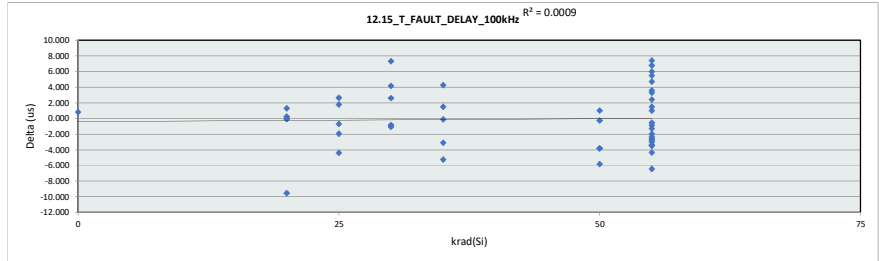
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

12.15_T_FAULT_DELAY_100kHz

Test Site		
Tester		
Test Number		
Unit	us	us
Max Limit	169	169
Min Limit	140	140

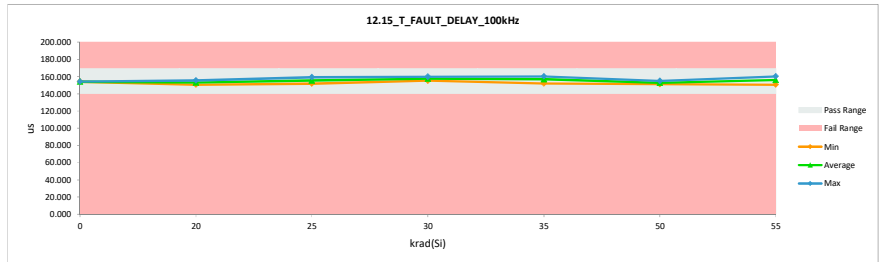
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	153.263	154.059		0.796
25	1	155.566	158.193		2.627
25	2	156.901	154.930		-1.971
25	3	157.572	159.325		1.753
25	4	152.401	151.688		-0.713
25	5	157.631	153.215		-4.416
20	6	152.174	152.127		-0.047
20	7	160.113	150.550		-9.563
20	8	152.217	153.505		1.288
20	9	153.145	153.349		0.204
20	10	155.601	155.510		-0.091
35	11	159.409	159.278		-0.131
35	12	157.139	151.871		-5.268
35	13	155.925	160.159		4.234
35	14	160.351	157.234		-3.117
35	15	154.970	156.449		1.479
30	16	156.324	155.227		-1.097
30	17	155.575	159.725		4.150
30	18	153.377	155.956		2.579
30	19	158.157	157.310		-0.847
30	20	152.352	159.650		7.298
55	21	157.390	158.380		0.990
55	22	151.840	158.600		6.760
55	23	155.347	158.641		3.294
55	24	151.236	156.696		5.460
55	25	159.849	156.828		-3.021
55	26	152.113	151.214		-0.899
55	27	151.735	157.704		5.969
55	28	156.892	159.295		2.403
55	29	152.011	153.479		1.468
55	30	157.434	154.666		-2.768
55	31	159.169	152.710		-6.459
55	32	157.424	153.926		-3.498
55	33	151.769	155.331		3.562
55	34	159.184	154.820		-4.364
55	35	152.647	160.035		7.388
55	36	157.159	154.815		-2.344
55	37	157.980	154.547		-3.433
55	38	152.495	150.504		-1.991
55	39	154.998	152.402		-2.596
55	40	160.123	158.796		-1.327
55	41	159.557	158.994		-0.563
55	42	155.467	160.162		4.695
50	43	155.049	151.214		-3.835
50	44	153.891	154.882		0.991
50	45	154.700	154.427		-0.273
50	46	155.146	151.316		-3.830
50	47	157.917	152.070		-5.847
Max		160.351	160.162		7.388
Average		155.639	155.537		-0.103
Min		151.236	150.504		-9.563
Std Dev		2.741	2.971		3.774



12.15_T_FAULT_DELAY_100kHz

Test Site		
Tester		
Test Number		
Max Limit	169	us
Min Limit	140	us

krad(Si)	0	20	25	30	35	50	55
LL	140.000	140.000	140.000	140.000	140.000	140.000	140.000
Min	154.059	150.550	151.688	155.227	151.871	151.214	150.504
Average	154.059	153.008	155.470	157.574	156.998	152.782	156.025
Max	154.059	155.510	159.325	159.725	160.159	154.882	160.162
UL	169.000	169.000	169.000	169.000	169.000	169.000	169.000

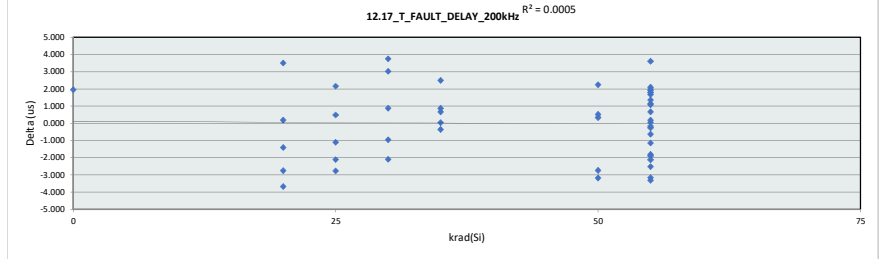


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

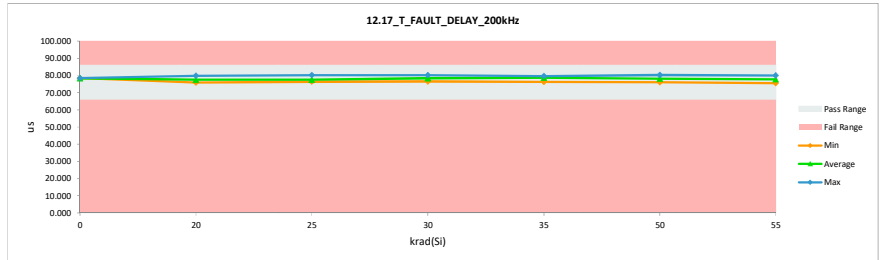
12.17_T_FAULT_DELAY_200kHz	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	86 86
Min Limit	66 66

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	76.535	78.473		1.938
25	1	78.099	80.251		2.152
25	2	75.919	76.393		0.474
25	3	79.772	77.655		-2.117
25	4	77.608	76.495		-1.113
25	5	79.835	77.056		-2.779
20	6	76.342	79.837		3.495
20	7	76.123	76.305		0.182
20	8	79.592	75.911		-3.681
20	9	79.794	77.038		-2.756
20	10	80.137	78.720		-1.417
35	11	77.195	79.683		2.488
35	12	77.520	78.381		0.861
35	13	75.586	76.240		0.654
35	14	79.627	79.657		0.030
35	15	79.839	79.469		-0.370
30	16	78.620	76.516		-2.104
30	17	76.132	79.142		3.010
30	18	77.762	76.792		-0.970
30	19	75.695	79.439		3.744
30	20	79.249	80.119		0.870
55	21	79.830	80.002		0.172
55	22	76.018	78.109		2.091
55	23	76.763	77.835		1.072
55	24	76.492	77.143		0.651
55	25	76.140	75.498		-0.642
55	26	80.366	77.045		-3.321
55	27	78.569	76.659		-1.910
55	28	79.921	76.754		-3.167
55	29	77.430	78.562		1.132
55	30	75.762	77.654		1.892
55	31	77.387	77.432		0.045
55	32	79.847	79.580		-0.267
55	33	79.353	77.225		-2.128
55	34	77.902	79.678		1.776
55	35	77.737	79.710		1.973
55	36	78.272	75.745		-2.527
55	37	77.829	76.012		-1.817
55	38	75.824	77.488		1.664
55	39	75.902	75.729		-0.173
55	40	75.708	79.314		3.606
55	41	78.627	79.973		1.346
55	42	78.675	77.524		-1.151
50	43	77.449	77.960		0.511
50	44	79.253	76.070		-3.183
50	45	79.982	77.234		-2.748
50	46	79.927	80.256		0.329
50	47	77.265	79.500		2.235
Max		80.366	80.256		3.744
Average		77.942	77.943		0.001
Min		75.586	75.498		-3.681
Std Dev		1.555	1.476		2.029



12.17_T_FAULT_DELAY_200kHz	
Test Site	
Tester	
Test Number	
Max Limit	86 us
Min Limit	66 us

krad(Si)	0	20	25	30	35	50	55
LL	66.000	66.000	66.000	66.000	66.000	66.000	66.000
Min	78.473	75.911	76.393	76.516	76.240	76.070	75.498
Average	78.473	77.562	77.570	78.402	78.686	78.204	77.758
Max	78.473	79.837	80.251	80.119	79.683	80.256	80.002
UL	86.000	86.000	86.000	86.000	86.000	86.000	86.000



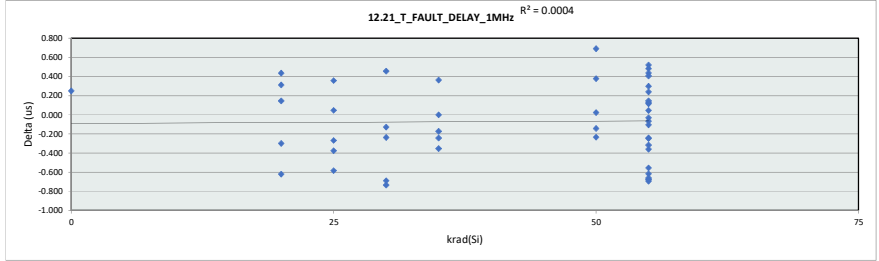
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

12.21_T_FAULT_DELAY_1MHz

Test Site		
Tester		
Test Number		
Unit	us	us
Max Limit	21	21
Min Limit	14	14

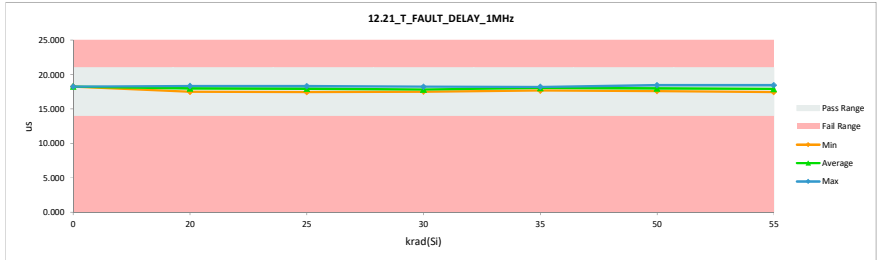
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	17.999	18.249		0.250
25	1	18.175	17.799		-0.376
25	2	18.249	17.981		-0.268
25	3	17.952	18.310		0.358
25	4	18.092	18.139		0.047
25	5	18.049	17.465		-0.584
20	6	17.907	18.343		0.436
20	7	18.000	18.312		0.312
20	8	17.798	17.499		-0.299
20	9	18.168	17.547		-0.621
20	10	18.080	18.226		0.146
35	11	18.030	17.676		-0.354
35	12	17.714	18.077		0.363
35	13	18.428	18.185		-0.243
35	14	18.384	18.211		-0.173
35	15	18.145	18.144		-0.001
30	16	17.970	17.733		-0.237
30	17	17.491	17.947		0.456
30	18	18.249	17.514		-0.735
30	19	18.419	17.729		-0.690
30	20	18.366	18.238		-0.128
55	21	18.207	17.530		-0.677
55	22	17.947	17.705		-0.242
55	23	18.247	17.930		-0.317
55	24	18.273	18.025		-0.248
55	25	17.818	17.752		-0.066
55	26	17.821	18.303		0.482
55	27	18.171	17.554		-0.617
55	28	18.327	18.222		-0.105
55	29	17.984	18.110		0.126
55	30	17.738	17.977		0.239
55	31	17.907	17.952		0.045
55	32	17.934	18.455		0.521
55	33	18.123	17.462		-0.661
55	34	17.891	17.531		-0.360
55	35	17.918	18.355		0.437
55	36	18.118	17.562		-0.556
55	37	17.820	17.965		0.145
55	38	17.732	18.138		0.406
55	39	18.134	18.432		0.298
55	40	18.001	18.117		0.116
55	41	17.875	17.843		-0.032
55	42	18.189	17.495		-0.694
50	43	17.760	18.452		0.692
50	44	17.844	18.222		0.378
50	45	18.087	17.853		-0.234
50	46	17.831	17.854		0.023
50	47	17.744	17.601		-0.143
Max		18.428	18.455		0.692
Average		18.023	17.953		-0.071
Min		17.491	17.462		-0.735
Std Dev		0.211	0.309		0.389



12.21_T_FAULT_DELAY_1MHz

Test Site		
Tester		
Test Number		
Max Limit	21	us
Min Limit	14	us

krad(Si)	0	20	25	30	35	50	55
LL	14.000	14.000	14.000	14.000	14.000	14.000	14.000
Min	18.249	17.499	17.465	17.514	17.676	17.601	17.462
Average	18.249	17.985	17.939	17.832	18.059	17.996	17.928
Max	18.249	18.343	18.310	18.238	18.211	18.452	18.455
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000

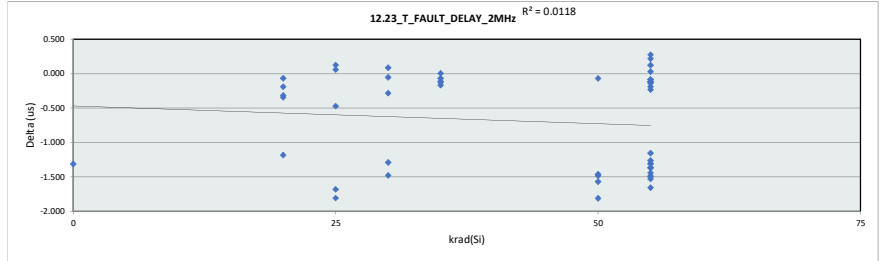


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

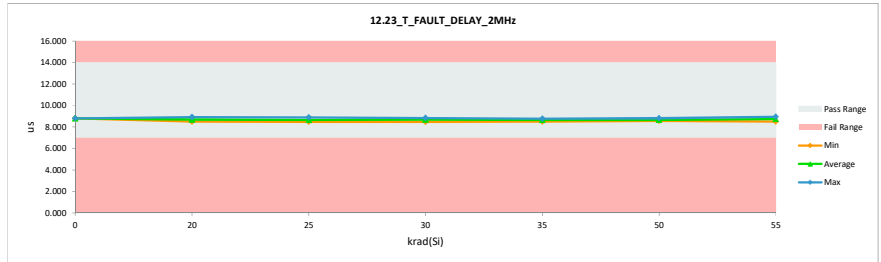
12.23_T_FAULT_DELAY_2MHz	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	14 14
Min Limit	7 7

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	10.112	8.798	-1.314
25	1	8.838	8.895	0.057
25	2	8.716	8.841	0.125
25	3	10.419	8.609	-1.810
25	4	8.968	8.495	-0.473
25	5	10.173	8.490	-1.683
20	6	8.859	8.792	-0.067
20	7	8.916	8.725	-0.191
20	8	8.837	8.519	-0.318
20	9	10.102	8.916	-1.186
20	10	8.909	8.566	-0.343
35	11	8.614	8.617	0.003
35	12	8.683	8.516	-0.167
35	13	8.898	8.770	-0.128
35	14	8.743	8.631	-0.112
35	15	8.784	8.716	-0.068
30	16	8.844	8.790	-0.054
30	17	10.144	8.665	-1.479
30	18	8.766	8.482	-0.284
30	19	10.015	8.723	-1.292
30	20	8.763	8.848	0.085
55	21	10.205	8.762	-1.443
55	22	10.260	8.888	-1.372
55	23	10.283	8.918	-1.365
55	24	8.720	8.937	0.217
55	25	8.777	8.637	-0.140
55	26	8.785	8.667	-0.118
55	27	8.558	8.587	0.029
55	28	10.242	8.584	-1.658
55	29	10.446	8.949	-1.497
55	30	10.176	8.864	-1.312
55	31	10.031	8.726	-1.305
55	32	8.945	8.712	-0.233
55	33	10.218	8.687	-1.531
55	34	8.611	8.885	0.274
55	35	8.659	8.540	-0.119
55	36	10.204	8.713	-1.491
55	37	8.587	8.498	-0.089
55	38	9.986	8.830	-1.156
55	39	8.813	8.727	-0.086
55	40	10.212	8.949	-1.263
55	41	8.957	8.767	-0.190
55	42	8.522	8.645	0.123
50	43	10.305	8.820	-1.485
50	44	8.747	8.677	-0.070
50	45	10.404	8.590	-1.814
50	46	10.039	8.576	-1.463
50	47	10.238	8.667	-1.571
Max		10.446	8.949	0.274
Average		9.397	8.713	-0.684
Min		8.522	8.482	-1.814
Std Dev		0.728	0.137	0.706



12.23_T_FAULT_DELAY_2MHz	
Test Site	
Tester	
Test Number	
Max Limit	14 us
Min Limit	7 us

krad(Si)	0	20	25	30	35	50	55
LL	7.000	7.000	7.000	7.000	7.000	7.000	7.000
Min	8.798	8.519	8.490	8.482	8.516	8.576	8.498
Average	8.798	8.704	8.666	8.702	8.650	8.666	8.749
Max	8.798	8.916	8.895	8.848	8.770	8.820	8.949
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000

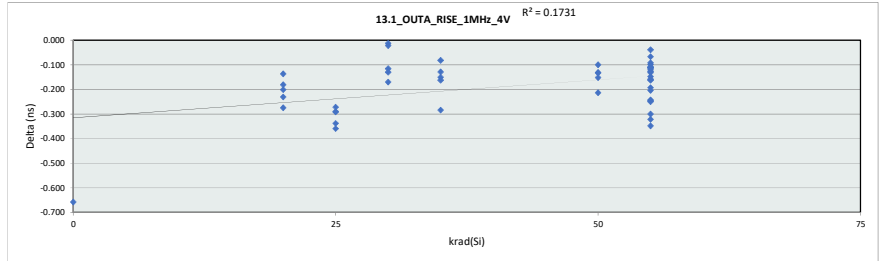


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

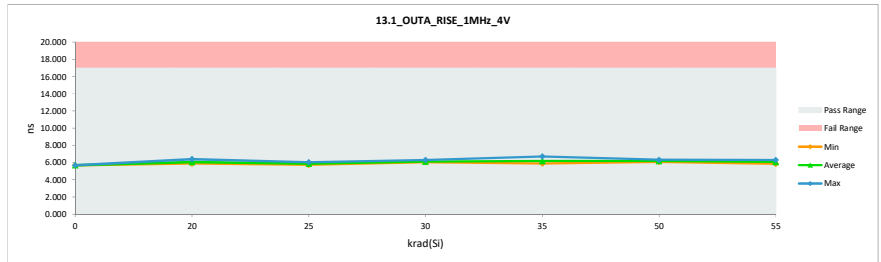
13.1_OUTA_RISE_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	6.352	5.694		-0.658
25	1	6.194	5.922		-0.272
25	2	6.102	5.742		-0.360
25	3	6.134	5.796		-0.338
25	4	6.133	5.843		-0.290
25	5	6.338	6.046		-0.292
20	6	6.135	5.904		-0.231
20	7	6.579	6.398		-0.181
20	8	6.263	6.126		-0.137
20	9	6.223	5.948		-0.275
20	10	6.196	5.995		-0.201
35	11	6.297	6.146		-0.151
35	12	6.187	5.903		-0.284
35	13	6.797	6.715		-0.082
35	14	6.298	6.169		-0.129
35	15	6.204	6.041		-0.163
30	16	6.328	6.315		-0.013
30	17	6.221	6.051		-0.170
30	18	6.138	6.116		-0.022
30	19	6.180	6.050		-0.130
30	20	6.179	6.063		-0.116
55	21	6.242	6.131		-0.111
55	22	6.158	6.032		-0.126
55	23	6.315	6.203		-0.112
55	24	6.178	6.080		-0.098
55	25	6.232	6.165		-0.067
55	26	6.117	5.958		-0.159
55	27	6.232	6.100		-0.132
55	28	6.188	5.995		-0.193
55	29	6.071	5.867		-0.204
55	30	6.243	6.151		-0.092
55	31	6.206	6.093		-0.113
55	32	6.273	6.166		-0.107
55	33	6.343	6.304		-0.039
55	34	6.207	6.044		-0.163
55	35	6.222	5.979		-0.243
55	36	6.285	6.167		-0.118
55	37	6.321	5.999		-0.322
55	38	6.321	6.021		-0.300
55	39	6.280	6.035		-0.245
55	40	6.353	6.005		-0.348
55	41	6.302	6.154		-0.148
55	42	6.290	6.040		-0.250
50	43	6.290	6.138		-0.152
50	44	6.355	6.141		-0.214
50	45	6.227	6.095		-0.132
50	46	6.424	6.324		-0.100
50	47	6.325	6.192		-0.133
	Max	6.797	6.715		-0.013
	Average	6.260	6.074		-0.186
	Min	6.071	5.694		-0.658
	Std Dev	0.121	0.171		0.111



13.1_OUTA_RISE_1MHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	0 ns

krad(Si)	0	20	25	30	35	50	55
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	5.694	5.904	5.742	6.050	5.903	6.095	5.867
Average	5.694	6.074	5.870	6.119	6.195	6.178	6.077
Max	5.694	6.398	6.046	6.315	6.715	6.324	6.304
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

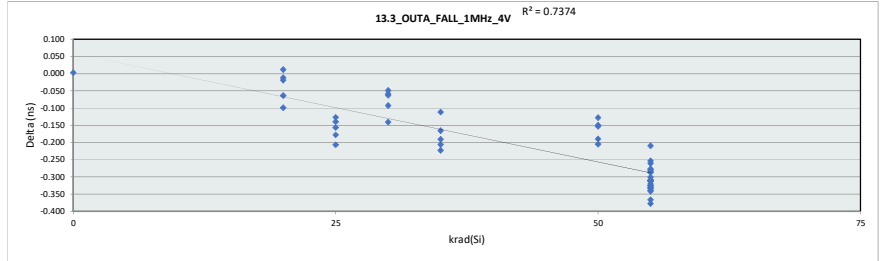


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

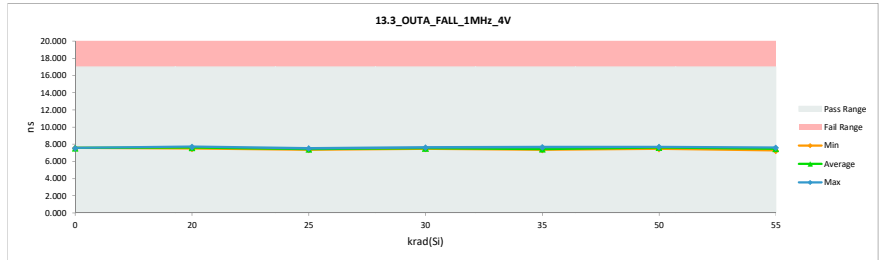
13.3_OUTA_FALL_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	17
Min Limit	0

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.569	7.573		0.004
25	1	7.512	7.373		-0.139
25	2	7.503	7.377		-0.126
25	3	7.684	7.528		-0.156
25	4	7.673	7.467		-0.206
25	5	7.633	7.456		-0.177
20	6	7.602	7.504		-0.098
20	7	7.785	7.722		-0.063
20	8	7.617	7.606		-0.011
20	9	7.609	7.591		-0.018
20	10	7.634	7.647		0.013
35	11	7.578	7.413		-0.165
35	12	7.592	7.481		-0.111
35	13	7.865	7.675		-0.190
35	14	7.584	7.379		-0.205
35	15	7.579	7.357		-0.222
30	16	7.572	7.480		-0.092
30	17	7.639	7.577		-0.062
30	18	7.554	7.496		-0.058
30	19	7.575	7.527		-0.048
30	20	7.774	7.634		-0.140
55	21	7.727	7.416		-0.311
55	22	7.738	7.397		-0.341
55	23	7.593	7.282		-0.311
55	24	7.855	7.530		-0.325
55	25	7.682	7.422		-0.260
55	26	7.702	7.369		-0.333
55	27	7.649	7.311		-0.338
55	28	7.763	7.454		-0.309
55	29	7.750	7.384		-0.366
55	30	7.863	7.581		-0.282
55	31	7.817	7.492		-0.325
55	32	7.849	7.549		-0.300
55	33	7.862	7.554		-0.308
55	34	7.792	7.516		-0.276
55	35	7.864	7.578		-0.286
55	36	7.874	7.554		-0.320
55	37	7.768	7.515		-0.253
55	38	7.769	7.439		-0.330
55	39	7.788	7.579		-0.209
55	40	7.863	7.486		-0.377
55	41	7.893	7.614		-0.279
55	42	7.855	7.543		-0.312
50	43	7.825	7.636		-0.189
50	44	7.775	7.626		-0.149
50	45	7.853	7.701		-0.152
50	46	7.898	7.694		-0.204
50	47	7.605	7.478		-0.127
Max		7.898	7.722		0.013
Average		7.717	7.512		-0.205
Min		7.503	7.282		-0.377
Std Dev		0.119	0.105		0.111



13.3_OUTA_FALL_1MHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	17
Min Limit	0

krad(Si)	0	20	25	30	35	50	55
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	7.573	7.504	7.373	7.480	7.357	7.478	7.282
Average	7.573	7.614	7.440	7.543	7.461	7.627	7.480
Max	7.573	7.722	7.528	7.634	7.675	7.701	7.614
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

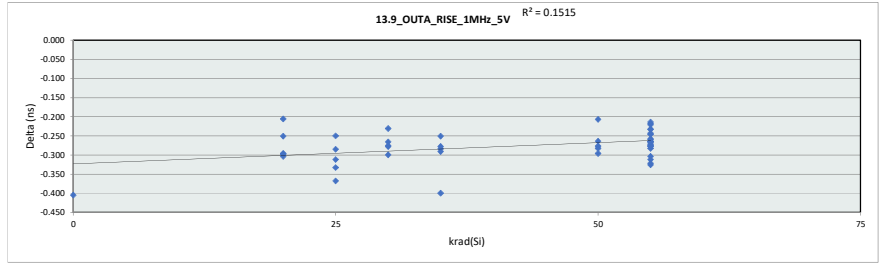


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

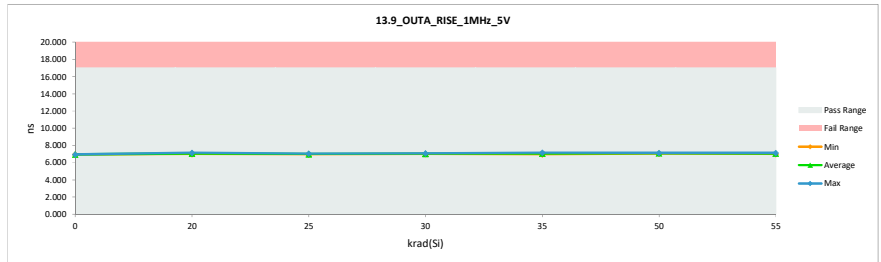
13.9_OUTA_RISE_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.357	6.953		-0.404
25	1	7.303	7.054		-0.249
25	2	7.297	7.013		-0.284
25	3	7.302	6.970		-0.332
25	4	7.336	7.025		-0.311
25	5	7.361	6.994		-0.367
20	6	7.305	7.010		-0.295
20	7	7.402	7.152		-0.250
20	8	7.339	7.042		-0.297
20	9	7.312	7.107		-0.205
20	10	7.328	7.025		-0.303
35	11	7.326	7.076		-0.250
35	12	7.294	7.004		-0.290
35	13	7.440	7.163		-0.277
35	14	7.377	6.978		-0.399
35	15	7.316	7.033		-0.283
30	16	7.361	7.086		-0.275
30	17	7.310	7.045		-0.265
30	18	7.293	7.063		-0.230
30	19	7.294	7.017		-0.277
30	20	7.315	7.016		-0.299
55	21	7.324	7.079		-0.245
55	22	7.291	7.059		-0.232
55	23	7.359	7.100		-0.259
55	24	7.348	7.131		-0.217
55	25	7.321	7.055		-0.266
55	26	7.304	7.001		-0.303
55	27	7.302	7.060		-0.242
55	28	7.314	7.050		-0.264
55	29	7.297	7.021		-0.276
55	30	7.361	7.097		-0.264
55	31	7.347	7.090		-0.257
55	32	7.350	7.118		-0.232
55	33	7.370	7.106		-0.264
55	34	7.321	7.039		-0.282
55	35	7.325	7.014		-0.311
55	36	7.342	7.122		-0.220
55	37	7.374	7.049		-0.325
55	38	7.363	7.042		-0.321
55	39	7.347	7.074		-0.273
55	40	7.334	7.063		-0.271
55	41	7.370	7.094		-0.276
55	42	7.349	7.136		-0.213
50	43	7.350	7.087		-0.263
50	44	7.345	7.139		-0.206
50	45	7.347	7.052		-0.295
50	46	7.369	7.093		-0.276
50	47	7.365	7.083		-0.282
Max		7.440	7.163		-0.205
Average		7.337	7.060		-0.277
Min		7.291	6.953		-0.404
Std Dev		0.031	0.049		0.043



13.9_OUTA_RISE_1MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	0 ns

krad(Si)	0	20	25	30	35	50	55
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	6.953	7.010	6.970	7.016	6.978	7.052	7.001
Average	6.953	7.067	7.011	7.045	7.051	7.091	7.073
Max	6.953	7.152	7.054	7.086	7.163	7.139	7.136
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

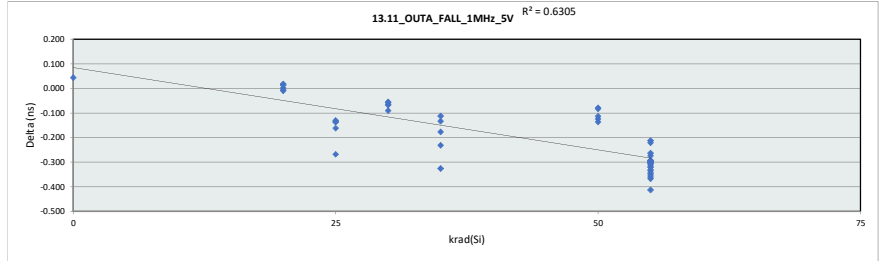


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

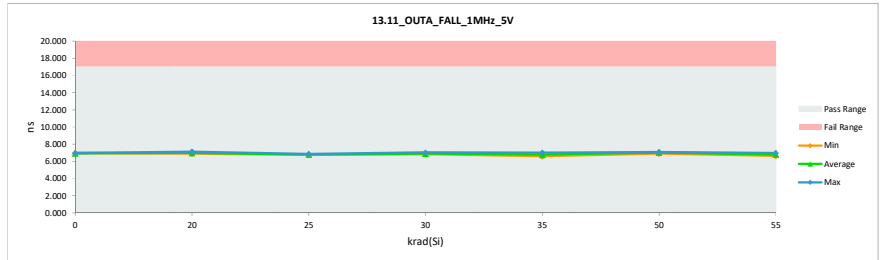
13.11_OUTA_FALL_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	6.921	6.966		0.045
25	1	6.889	6.753		-0.136
25	2	6.886	6.757		-0.129
25	3	7.036	6.876		-0.160
25	4	7.030	6.763		-0.267
25	5	6.982	6.848		-0.134
20	6	6.924	6.927		0.003
20	7	7.110	7.125		0.015
20	8	6.951	6.946		-0.005
20	9	6.957	6.949		-0.008
20	10	6.985	7.004		0.019
35	11	6.933	6.757		-0.176
35	12	6.946	6.835		-0.111
35	13	7.156	7.024		-0.132
35	14	6.938	6.613		-0.325
35	15	6.947	6.717		-0.230
30	16	6.924	6.868		-0.056
30	17	6.977	6.923		-0.054
30	18	6.899	6.833		-0.066
30	19	6.939	6.875		-0.064
30	20	7.121	7.032		-0.089
55	21	7.091	6.789		-0.302
55	22	7.095	6.777		-0.318
55	23	6.966	6.646		-0.320
55	24	7.206	6.914		-0.292
55	25	7.045	6.753		-0.292
55	26	7.085	6.789		-0.296
55	27	6.991	6.693		-0.298
55	28	7.137	6.804		-0.333
55	29	7.108	6.757		-0.351
55	30	7.207	6.945		-0.262
55	31	7.165	6.892		-0.273
55	32	7.178	6.835		-0.343
55	33	7.161	6.864		-0.297
55	34	7.144	6.813		-0.331
55	35	7.180	6.870		-0.310
55	36	7.188	6.822		-0.366
55	37	7.135	6.776		-0.359
55	38	7.124	6.822		-0.302
55	39	7.131	6.920		-0.211
55	40	7.162	6.858		-0.304
55	41	7.198	6.978		-0.220
55	42	7.174	6.762		-0.412
50	43	7.181	7.103		-0.078
50	44	7.127	7.004		-0.123
50	45	7.187	7.075		-0.112
50	46	7.238	7.103		-0.135
50	47	6.982	6.900		-0.082
	Max	7.238	7.125		0.045
	Average	7.063	6.868		-0.195
	Min	6.886	6.613		-0.412
	Std Dev	0.107	0.118		0.127



13.11_OUTA_FALL_1MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	0 ns

krad(Si)	0	20	25	30	35	50	55
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	6.966	6.927	6.753	6.833	6.613	6.900	6.646
Average	6.966	6.990	6.799	6.906	6.789	7.037	6.822
Max	6.966	7.125	6.876	7.032	7.024	7.103	6.978
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

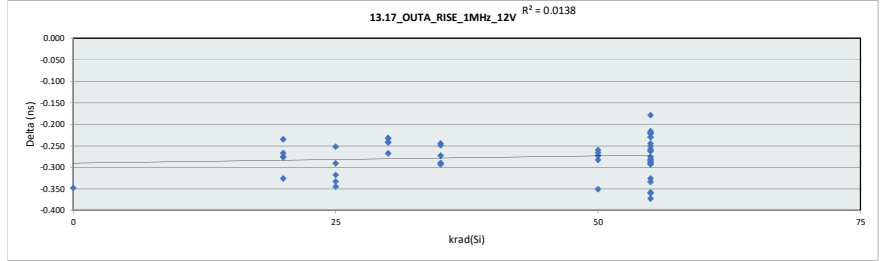


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

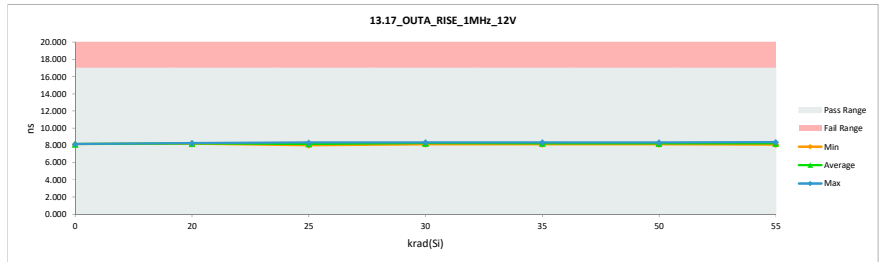
13.17_OUTA_RISE_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.501	8.154		-0.347
25	1	8.583	8.332		-0.251
25	2	8.578	8.261		-0.317
25	3	8.367	8.035		-0.332
25	4	8.473	8.129		-0.344
25	5	8.431	8.141		-0.290
20	6	8.543	8.267		-0.276
20	7	8.556	8.231		-0.325
20	8	8.470	8.204		-0.266
20	9	8.508	8.274		-0.234
20	10	8.464	8.190		-0.274
35	11	8.494	8.250		-0.244
35	12	8.431	8.139		-0.292
35	13	8.504	8.215		-0.289
35	14	8.618	8.346		-0.272
35	15	8.545	8.297		-0.248
30	16	8.588	8.347		-0.241
30	17	8.475	8.244		-0.231
30	18	8.547	8.315		-0.232
30	19	8.561	8.320		-0.241
30	20	8.410	8.143		-0.267
55	21	8.450	8.193		-0.257
55	22	8.598	8.383		-0.215
55	23	8.454	8.225		-0.229
55	24	8.527	8.243		-0.284
55	25	8.449	8.187		-0.262
55	26	8.558	8.268		-0.290
55	27	8.505	8.255		-0.250
55	28	8.462	8.243		-0.219
55	29	8.539	8.206		-0.333
55	30	8.523	8.345		-0.178
55	31	8.571	8.350		-0.221
55	32	8.517	8.158		-0.359
55	33	8.560	8.285		-0.275
55	34	8.452	8.208		-0.244
55	35	8.636	8.279		-0.357
55	36	8.550	8.330		-0.220
55	37	8.531	8.206		-0.325
55	38	8.654	8.367		-0.287
55	39	8.425	8.165		-0.260
55	40	8.480	8.108		-0.372
55	41	8.544	8.252		-0.292
55	42	8.475	8.194		-0.281
50	43	8.608	8.349		-0.259
50	44	8.484	8.134		-0.350
50	45	8.571	8.289		-0.282
50	46	8.554	8.289		-0.265
50	47	8.440	8.168		-0.272
Max		8.654	8.383		-0.178
Average		8.516	8.240		-0.276
Min		8.367	8.035		-0.372
Std Dev		0.063	0.079		0.044



13.17_OUTA_RISE_1MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	0 ns

krad(Si)	0	20	25	30	35	50	55
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.154	8.190	8.035	8.143	8.139	8.134	8.108
Average	8.154	8.233	8.180	8.274	8.249	8.246	8.248
Max	8.154	8.274	8.332	8.347	8.346	8.349	8.383
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

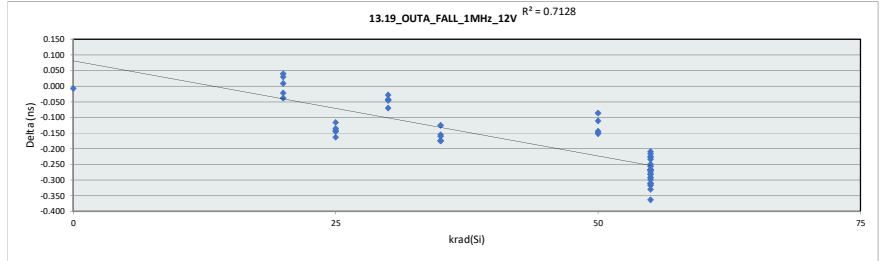


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

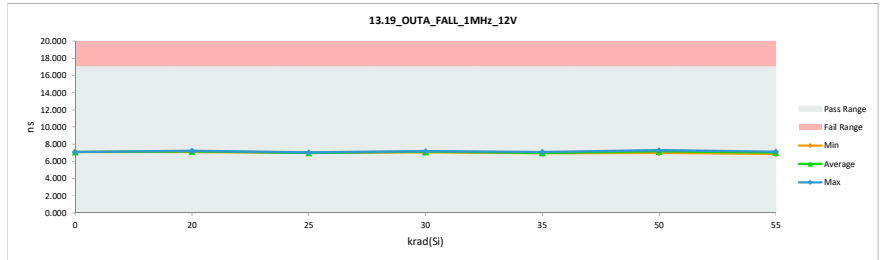
13.19_OUTA_FALL_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	17
Min Limit	0

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	7.115	7.109	-0.006
25	1	7.118	7.003	-0.115
25	2	7.108	6.974	-0.134
25	3	7.184	7.044	-0.140
25	4	7.189	7.027	-0.162
25	5	7.143	6.999	-0.144
20	6	7.140	7.119	-0.021
20	7	7.265	7.228	-0.037
20	8	7.111	7.121	0.010
20	9	7.167	7.198	0.031
20	10	7.139	7.180	0.041
35	11	7.112	6.988	-0.124
35	12	7.108	6.954	-0.154
35	13	7.266	7.107	-0.159
35	14	7.172	6.999	-0.173
35	15	7.149	6.975	-0.174
30	16	7.130	7.088	-0.042
30	17	7.150	7.106	-0.044
30	18	7.112	7.070	-0.042
30	19	7.163	7.136	-0.027
30	20	7.251	7.182	-0.069
55	21	7.236	6.969	-0.267
55	22	7.329	7.020	-0.309
55	23	7.112	6.885	-0.227
55	24	7.374	7.108	-0.266
55	25	7.197	6.899	-0.298
55	26	7.300	6.989	-0.311
55	27	7.163	6.915	-0.248
55	28	7.288	6.997	-0.291
55	29	7.302	6.973	-0.329
55	30	7.356	7.065	-0.291
55	31	7.343	7.077	-0.266
55	32	7.339	7.131	-0.208
55	33	7.326	7.059	-0.267
55	34	7.276	6.995	-0.281
55	35	7.381	7.065	-0.316
55	36	7.353	7.120	-0.233
55	37	7.289	7.034	-0.255
55	38	7.345	7.072	-0.273
55	39	7.241	7.026	-0.215
55	40	7.322	6.960	-0.362
55	41	7.346	7.123	-0.223
55	42	7.317	7.037	-0.280
50	43	7.391	7.240	-0.151
50	44	7.275	7.128	-0.147
50	45	7.387	7.244	-0.143
50	46	7.391	7.306	-0.085
50	47	7.122	7.012	-0.110
Max		7.391	7.306	0.041
Average		7.237	7.064	-0.174
Min		7.108	6.885	-0.362
Std Dev		0.098	0.093	0.108



13.19_OUTA_FALL_1MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	17
Min Limit	0

krad(Si)	0	20	25	30	35	50	55
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	7.109	7.119	6.974	7.070	6.954	7.012	6.885
Average	7.109	7.169	7.009	7.116	7.005	7.186	7.024
Max	7.109	7.228	7.044	7.182	7.107	7.306	7.131
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

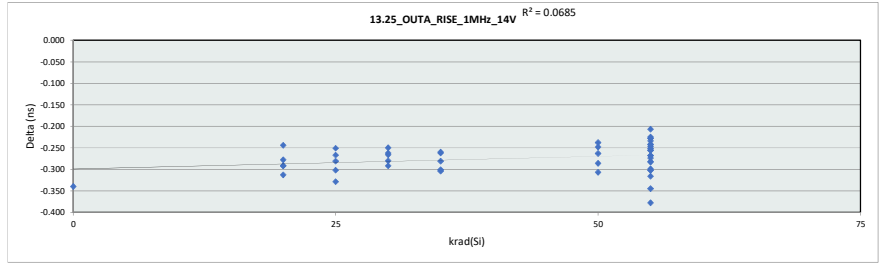


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

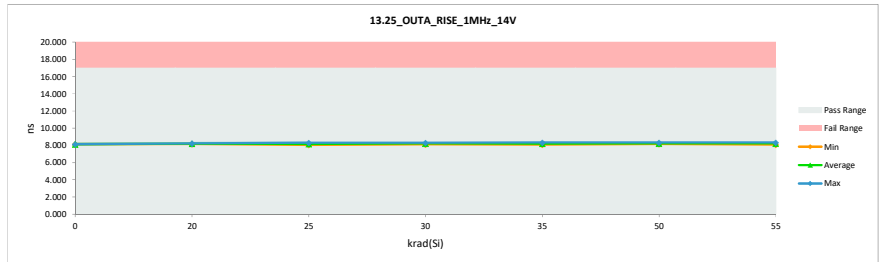
13.25_OUTA_RISE_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	8.483	8.144		-0.339
25	1	8.563	8.313		-0.250
25	2	8.563	8.235		-0.328
25	3	8.348	8.068		-0.280
25	4	8.446	8.180		-0.266
25	5	8.420	8.119		-0.301
20	6	8.551	8.239		-0.312
20	7	8.533	8.242		-0.291
20	8	8.454	8.177		-0.277
20	9	8.484	8.241		-0.243
20	10	8.460	8.169		-0.291
35	11	8.496	8.196		-0.300
35	12	8.402	8.099		-0.303
35	13	8.475	8.195		-0.280
35	14	8.600	8.341		-0.259
35	15	8.517	8.256		-0.261
30	16	8.579	8.314		-0.265
30	17	8.454	8.175		-0.279
30	18	8.530	8.269		-0.261
30	19	8.545	8.296		-0.249
30	20	8.405	8.114		-0.291
55	21	8.420	8.153		-0.267
55	22	8.596	8.345		-0.251
55	23	8.441	8.168		-0.273
55	24	8.515	8.288		-0.227
55	25	8.459	8.161		-0.298
55	26	8.535	8.254		-0.281
55	27	8.467	8.243		-0.224
55	28	8.451	8.210		-0.241
55	29	8.512	8.230		-0.282
55	30	8.528	8.273		-0.255
55	31	8.571	8.316		-0.255
55	32	8.453	8.152		-0.301
55	33	8.543	8.310		-0.233
55	34	8.432	8.226		-0.206
55	35	8.611	8.344		-0.267
55	36	8.552	8.306		-0.246
55	37	8.486	8.244		-0.242
55	38	8.618	8.317		-0.301
55	39	8.407	8.180		-0.227
55	40	8.470	8.155		-0.315
55	41	8.512	8.135		-0.377
55	42	8.441	8.097		-0.344
50	43	8.583	8.336		-0.247
50	44	8.454	8.169		-0.285
50	45	8.557	8.251		-0.306
50	46	8.533	8.271		-0.262
50	47	8.398	8.161		-0.237
Max		8.618	8.345		-0.206
Average		8.497	8.222		-0.275
Min		8.348	8.068		-0.377
Std Dev		0.064	0.074		0.034



13.25_OUTA_RISE_1MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	17 ns
Min Limit	0 ns

krad(Si)	0	20	25	30	35	50	55
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.144	8.169	8.068	8.114	8.099	8.161	8.097
Average	8.144	8.214	8.183	8.234	8.217	8.238	8.232
Max	8.144	8.242	8.313	8.314	8.341	8.336	8.345
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

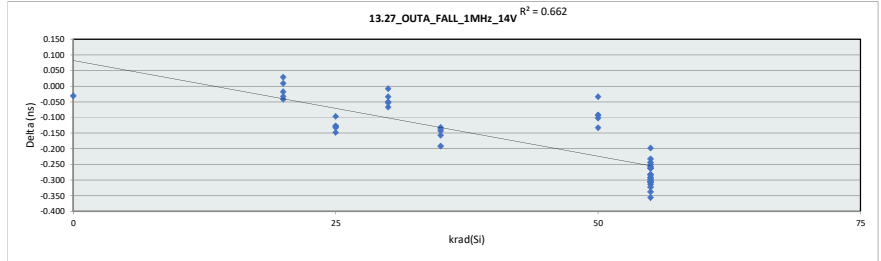


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

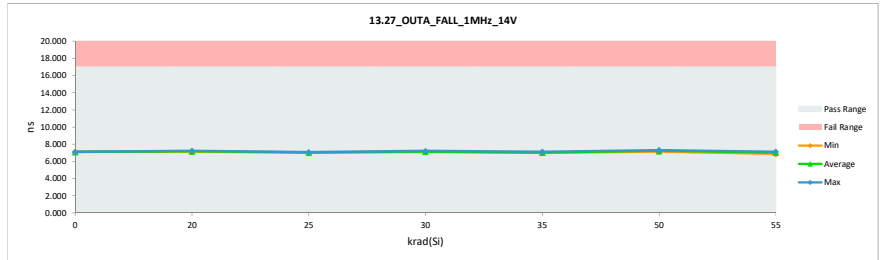
13.27_OUTA_FALL_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	17
Min Limit	0

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	7.145	7.115	-0.030
25	1	7.144	7.048	-0.096
25	2	7.127	6.995	-0.132
25	3	7.204	7.057	-0.147
25	4	7.209	7.083	-0.126
25	5	7.159	7.032	-0.127
20	6	7.186	7.145	-0.041
20	7	7.282	7.250	-0.032
20	8	7.133	7.143	0.010
20	9	7.199	7.182	-0.017
20	10	7.176	7.206	0.030
35	11	7.137	6.981	-0.156
35	12	7.126	6.990	-0.136
35	13	7.283	7.141	-0.142
35	14	7.196	7.065	-0.131
35	15	7.168	6.977	-0.191
30	16	7.155	7.122	-0.033
30	17	7.169	7.117	-0.052
30	18	7.157	7.091	-0.066
30	19	7.186	7.179	-0.007
30	20	7.271	7.222	-0.049
55	21	7.260	6.968	-0.292
55	22	7.353	7.040	-0.313
55	23	7.137	6.876	-0.261
55	24	7.401	7.064	-0.337
55	25	7.207	6.951	-0.256
55	26	7.315	6.993	-0.322
55	27	7.177	6.927	-0.250
55	28	7.323	7.025	-0.298
55	29	7.326	7.022	-0.304
55	30	7.375	7.143	-0.232
55	31	7.364	7.073	-0.291
55	32	7.337	6.982	-0.355
55	33	7.352	7.091	-0.261
55	34	7.299	6.991	-0.308
55	35	7.413	7.130	-0.283
55	36	7.375	7.132	-0.243
55	37	7.318	7.019	-0.299
55	38	7.367	7.086	-0.281
55	39	7.260	7.063	-0.197
55	40	7.349	7.043	-0.306
55	41	7.366	7.062	-0.304
55	42	7.319	7.057	-0.262
50	43	7.413	7.312	-0.101
50	44	7.293	7.202	-0.091
50	45	7.418	7.326	-0.092
50	46	7.419	7.287	-0.132
50	47	7.156	7.123	-0.033
Max		7.419	7.326	0.030
Average		7.261	7.086	-0.174
Min		7.126	6.876	-0.355
Std Dev		0.097	0.099	0.113



13.27_OUTA_FALL_1MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	17
Min Limit	0

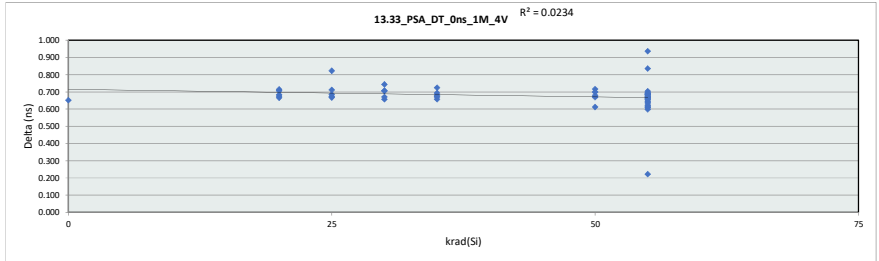
krad(Si)	0	20	25	30	35	50	55
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	7.115	7.143	6.995	7.091	6.977	7.123	6.876
Average	7.115	7.185	7.043	7.146	7.031	7.250	7.034
Max	7.115	7.250	7.083	7.222	7.141	7.326	7.143
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000



HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

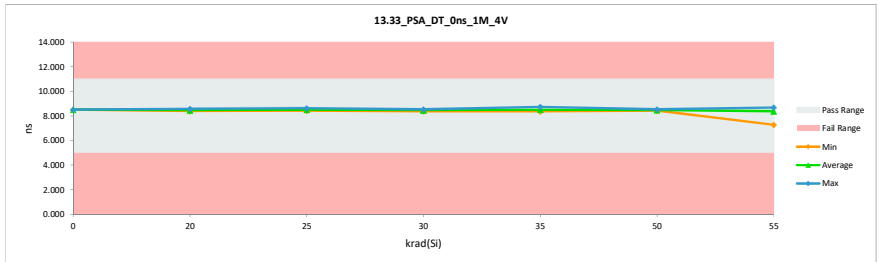
13.33_PSA_DT_0ns_1M_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	11 11
Min Limit	5 5



krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.864	8.517		0.653
25	1	7.852	8.539		0.687
25	2	7.804	8.474		0.670
25	3	7.742	8.417		0.675
25	4	7.797	8.510		0.713
25	5	7.808	8.632		0.824
20	6	7.724	8.401		0.677
20	7	7.898	8.566		0.668
20	8	7.746	8.454		0.708
20	9	7.774	8.490		0.716
20	10	7.739	8.424		0.685
35	11	7.773	8.446		0.673
35	12	7.775	8.501		0.726
35	13	8.046	8.741		0.695
35	14	7.704	8.363		0.659
35	15	7.753	8.435		0.682
30	16	7.831	8.538		0.707
30	17	7.777	8.486		0.709
30	18	7.776	8.448		0.672
30	19	7.715	8.374		0.659
30	20	7.761	8.506		0.745
55	21	7.805	8.421		0.616
55	22	7.733	8.415		0.682
55	23	7.827	8.500		0.673
55	24	7.741	8.404		0.663
55	25	7.752	8.398		0.646
55	26	7.806	8.476		0.670
55	27	7.800	8.495		0.695
55	28	7.792	8.464		0.672
55	29	7.709	8.415		0.706
55	30	7.745	8.435		0.690
55	31	7.680	8.376		0.696
55	32	7.693	8.379		0.686
55	33	7.059	7.283		0.224
55	34	7.755	8.440		0.685
55	35	7.693	8.348		0.655
55	36	7.640	8.477		0.837
55	37	7.822	8.460		0.638
55	38	7.854	8.479		0.625
55	39	7.742	8.352		0.610
55	40	7.773	8.373		0.600
55	41	7.698	8.358		0.660
55	42	7.753	8.691		0.938
50	43	7.786	8.467		0.681
50	44	7.866	8.537		0.671
50	45	7.724	8.442		0.718
50	46	7.830	8.531		0.701
50	47	7.819	8.433		0.614
Max		8.046	8.741		0.938
Average		7.762	8.440		0.678
Min		7.059	7.283		0.224
Std Dev		0.123	0.189		0.088

13.33_PSA_DT_0ns_1M_4V	
Test Site	
Tester	
Test Number	
Max Limit	11 ns
Min Limit	5 ns

krad(Si)	0	20	25	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	8.517	8.401	8.417	8.374	8.363	8.433	7.283
Average	8.517	8.467	8.514	8.470	8.497	8.482	8.384
Max	8.517	8.566	8.632	8.538	8.741	8.537	8.691
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000

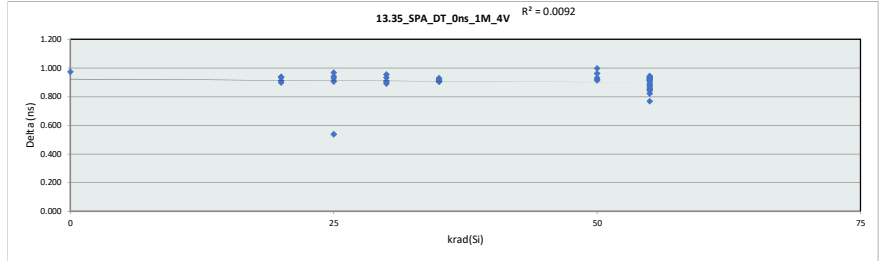


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

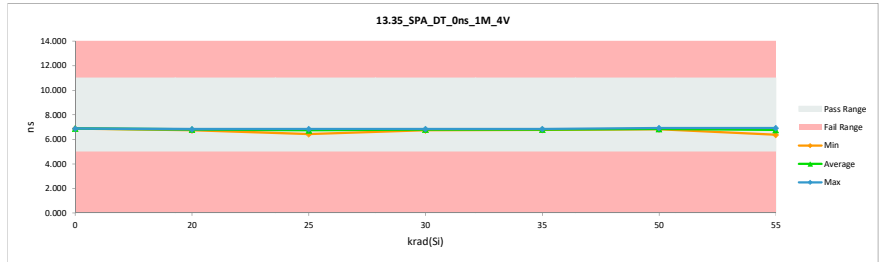
13.35_SPA_DT_0ns_1M_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	11 11
Min Limit	5 5

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.911	6.886		0.975
25	1	5.869	6.839		0.970
25	2	5.927	6.835		0.908
25	3	5.875	6.804		0.929
25	4	5.892	6.835		0.943
25	5	5.893	6.432		0.539
20	6	5.847	6.747		0.900
20	7	5.894	6.834		0.940
20	8	5.885	6.820		0.935
20	9	5.901	6.814		0.913
20	10	5.871	6.811		0.940
35	11	5.909	6.817		0.908
35	12	5.897	6.810		0.913
35	13	5.948	6.855		0.907
35	14	5.849	6.780		0.931
35	15	5.850	6.773		0.923
30	16	5.895	6.852		0.957
30	17	5.920	6.812		0.892
30	18	5.897	6.832		0.935
30	19	5.827	6.733		0.906
30	20	5.912	6.823		0.911
55	21	5.979	6.822		0.843
55	22	5.892	6.839		0.947
55	23	5.873	6.812		0.939
55	24	5.929	6.845		0.916
55	25	5.836	6.773		0.937
55	26	5.927	6.846		0.919
55	27	5.887	6.791		0.904
55	28	6.010	6.926		0.916
55	29	5.827	6.747		0.920
55	30	5.887	6.821		0.934
55	31	5.906	6.820		0.914
55	32	5.893	6.819		0.926
55	33	5.441	6.371		0.930
55	34	5.884	6.740		0.856
55	35	5.887	6.755		0.868
55	36	5.825	6.595		0.770
55	37	5.930	6.817		0.887
55	38	5.970	6.825		0.855
55	39	5.898	6.751		0.853
55	40	5.889	6.778		0.889
55	41	5.905	6.783		0.878
55	42	5.882	6.705		0.823
50	43	5.892	6.825		0.933
50	44	5.905	6.821		0.916
50	45	5.923	6.887		0.964
50	46	5.914	6.835		0.921
50	47	5.922	6.921		0.999
Max		6.010	6.926		0.999
Average		5.887	6.792		0.905
Min		5.441	6.371		0.539
Std Dev		0.075	0.099		0.067



13.35_SPA_DT_0ns_1M_4V	
Test Site	
Tester	
Test Number	
Max Limit	11 ns
Min Limit	5 ns

krad(Si)	0	20	25	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	6.886	6.747	6.432	6.733	6.773	6.821	6.371
Average	6.886	6.805	6.749	6.810	6.807	6.858	6.772
Max	6.886	6.834	6.839	6.852	6.855	6.921	6.926
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000

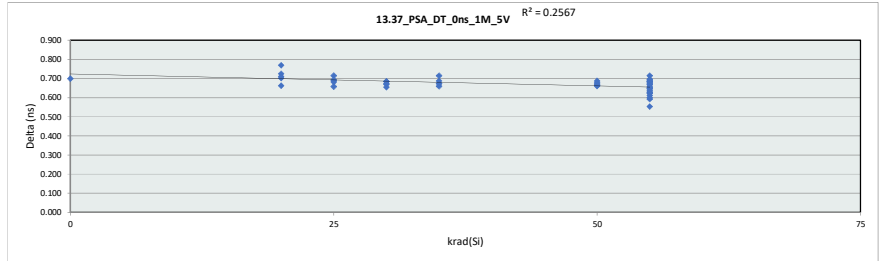


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

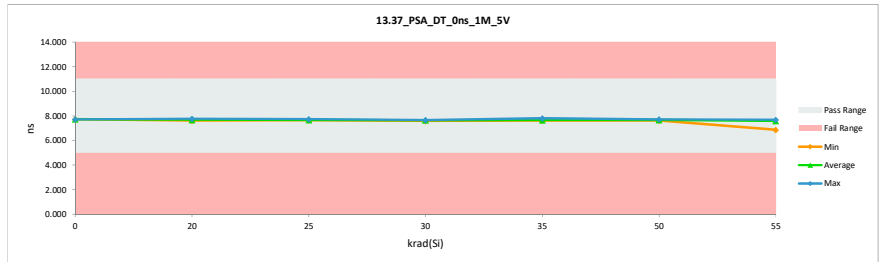
13.37_PSA_DT_0ns_1M_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	11 11
Min Limit	5 5

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	7.031	7.732		0.701
25	1	7.021	7.737		0.716
25	2	6.991	7.651		0.660
25	3	6.954	7.649		0.695
25	4	6.990	7.673		0.683
25	5	6.997	7.687		0.690
20	6	6.960	7.624		0.664
20	7	7.052	7.779		0.727
20	8	6.952	7.664		0.712
20	9	6.972	7.743		0.771
20	10	6.947	7.651		0.704
35	11	6.964	7.625		0.661
35	12	6.970	7.659		0.689
35	13	7.135	7.810		0.675
35	14	6.924	7.640		0.716
35	15	6.943	7.619		0.676
30	16	7.013	7.670		0.657
30	17	6.995	7.670		0.675
30	18	6.974	7.661		0.687
30	19	6.914	7.585		0.671
30	20	6.965	7.651		0.686
55	21	6.993	7.688		0.695
55	22	6.960	7.573		0.613
55	23	7.022	7.646		0.624
55	24	6.956	7.646		0.690
55	25	6.945	7.607		0.662
55	26	7.020	7.675		0.655
55	27	7.003	7.675		0.672
55	28	7.001	7.679		0.678
55	29	6.949	7.633		0.684
55	30	6.981	7.652		0.671
55	31	6.929	7.628		0.699
55	32	6.932	7.648		0.716
55	33	6.316	6.871		0.555
55	34	6.973	7.614		0.641
55	35	6.930	7.615		0.685
55	36	6.896	7.583		0.687
55	37	7.032	7.626		0.594
55	38	7.049	7.680		0.631
55	39	6.960	7.562		0.602
55	40	6.999	7.626		0.627
55	41	6.932	7.583		0.651
55	42	6.968	7.619		0.651
50	43	6.981	7.662		0.681
50	44	7.058	7.731		0.673
50	45	6.965	7.627		0.662
50	46	7.020	7.709		0.689
50	47	7.000	7.666		0.666
Max		7.135	7.810		0.771
Average		6.967	7.640		0.672
Min		6.316	6.871		0.555
Std Dev		0.105	0.124		0.037



13.37_PSA_DT_0ns_1M_5V	
Test Site	
Tester	
Test Number	
Max Limit	11 ns
Min Limit	5 ns

krad(Si)	0	20	25	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	7.732	7.624	7.649	7.585	7.619	7.627	6.871
Average	7.732	7.692	7.679	7.647	7.671	7.679	7.597
Max	7.732	7.779	7.737	7.670	7.810	7.731	7.688
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000

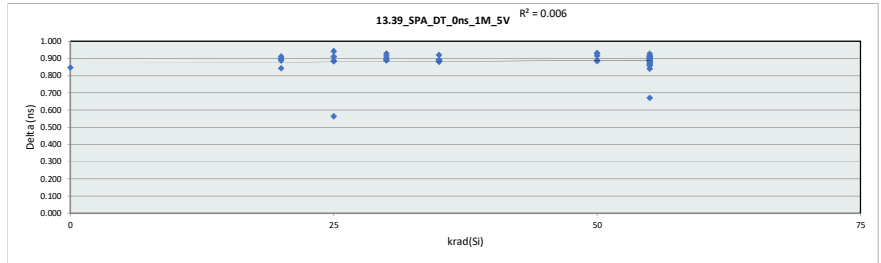


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

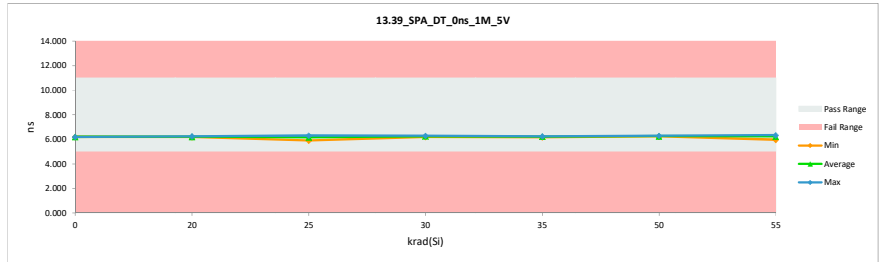
13.39_SPA_DT_0ns_1M_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	11 11
Min Limit	5 5

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.352	6.201		0.849
25	1	5.321	6.234		0.913
25	2	5.359	6.303		0.944
25	3	5.344	6.232		0.888
25	4	5.342	6.230		0.888
25	5	5.334	5.900		0.566
20	6	5.303	6.203		0.900
20	7	5.344	6.189		0.845
20	8	5.335	6.249		0.914
20	9	5.349	6.239		0.890
20	10	5.314	6.217		0.903
35	11	5.350	6.238		0.888
35	12	5.353	6.236		0.883
35	13	5.361	6.254		0.893
35	14	5.288	6.181		0.893
35	15	5.317	6.239		0.922
30	16	5.334	6.231		0.897
30	17	5.358	6.289		0.931
30	18	5.340	6.245		0.905
30	19	5.291	6.208		0.917
30	20	5.365	6.256		0.891
55	21	5.398	6.291		0.893
55	22	5.355	6.250		0.895
55	23	5.321	6.214		0.893
55	24	5.361	6.270		0.909
55	25	5.294	6.199		0.905
55	26	5.389	6.279		0.890
55	27	5.332	6.217		0.885
55	28	5.430	6.344		0.914
55	29	5.307	6.214		0.907
55	30	5.358	6.257		0.899
55	31	5.364	6.243		0.879
55	32	5.348	6.278		0.930
55	33	5.299	5.972		0.673
55	34	5.343	6.250		0.907
55	35	5.353	6.268		0.915
55	36	5.296	6.159		0.863
55	37	5.391	6.252		0.861
55	38	5.405	6.273		0.868
55	39	5.366	6.259		0.893
55	40	5.362	6.236		0.874
55	41	5.365	6.284		0.919
55	42	5.352	6.195		0.843
50	43	5.336	6.270		0.934
50	44	5.360	6.252		0.892
50	45	5.357	6.289		0.932
50	46	5.351	6.237		0.886
50	47	5.355	6.273		0.918
Max		5.430	6.344		0.944
Average		5.346	6.231		0.885
Min		5.288	5.900		0.566
Std Dev		0.030	0.072		0.061



13.39_SPA_DT_0ns_1M_5V	
Test Site	
Tester	
Test Number	
Max Limit	11 ns
Min Limit	5 ns

krad(Si)	0	20	25	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	6.201	6.189	5.900	6.208	6.181	6.237	5.972
Average	6.201	6.219	6.180	6.246	6.230	6.264	6.237
Max	6.201	6.249	6.303	6.289	6.254	6.289	6.344
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000

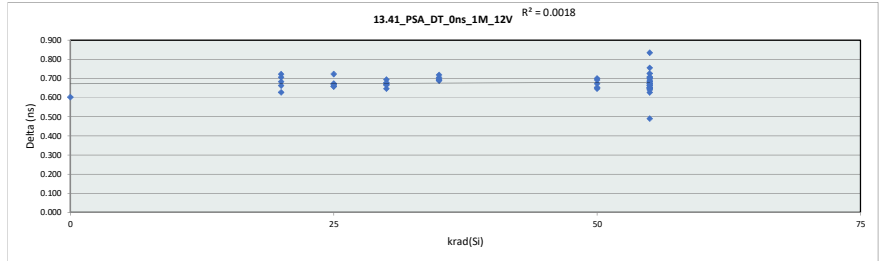


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

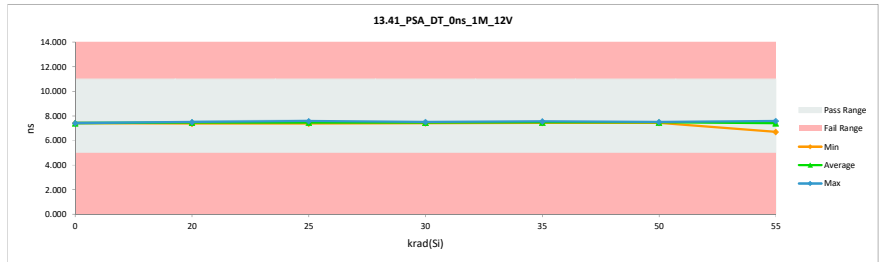
13.41_PSA_DT_0ns_1M_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	11 11
Min Limit	5 5

krad(Si)	Serial #	006_SEP_Pre	HD006	SEP_Post	HD	Delta
0	48	6.819		7.423		0.604
25	1	6.860		7.585		0.725
25	2	6.840		7.500		0.660
25	3	6.719		7.380		0.661
25	4	6.771		7.441		0.670
25	5	6.763		7.437		0.674
20	6	6.789		7.497		0.708
20	7	6.836		7.500		0.664
20	8	6.746		7.431		0.685
20	9	6.759		7.483		0.724
20	10	6.747		7.376		0.629
35	11	6.764		7.470		0.706
35	12	6.744		7.437		0.693
35	13	6.872		7.562		0.690
35	14	6.737		7.457		0.720
35	15	6.775		7.473		0.698
30	16	6.838		7.517		0.679
30	17	6.780		7.475		0.695
30	18	6.803		7.474		0.671
30	19	6.765		7.413		0.648
30	20	6.744		7.411		0.667
55	21	6.783		7.459		0.676
55	22	6.813		7.499		0.686
55	23	6.772		7.423		0.651
55	24	6.764		7.416		0.652
55	25	6.740		7.442		0.702
55	26	6.853		7.520		0.667
55	27	6.793		7.470		0.677
55	28	6.795		7.504		0.709
55	29	6.780		7.445		0.665
55	30	6.774		7.428		0.654
55	31	6.745		7.438		0.693
55	32	6.716		7.444		0.728
55	33	6.205		6.696		0.491
55	34	6.756		7.419		0.663
55	35	6.777		7.405		0.628
55	36	6.703		7.354		0.651
55	37	6.824		7.499		0.675
55	38	6.895		7.547		0.652
55	39	6.726		7.483		0.757
55	40	6.757		7.399		0.642
55	41	6.735		7.443		0.708
55	42	6.757		7.593		0.836
50	43	6.836		7.511		0.675
50	44	6.830		7.478		0.648
50	45	6.781		7.435		0.654
50	46	6.800		7.502		0.702
50	47	6.754		7.448		0.694
	Max	6.895		7.593		0.836
	Average	6.769		7.447		0.677
	Min	6.205		6.696		0.491
	Std Dev	0.094		0.122		0.046



13.41_PSA_DT_0ns_1M_12V	
Test Site	
Tester	
Test Number	
Max Limit	11 ns
Min Limit	5 ns

krad(Si)	0	20	25	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	7.423	7.376	7.380	7.411	7.437	7.435	6.696
Average	7.423	7.457	7.469	7.458	7.480	7.475	7.424
Max	7.423	7.500	7.585	7.517	7.562	7.511	7.593
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000

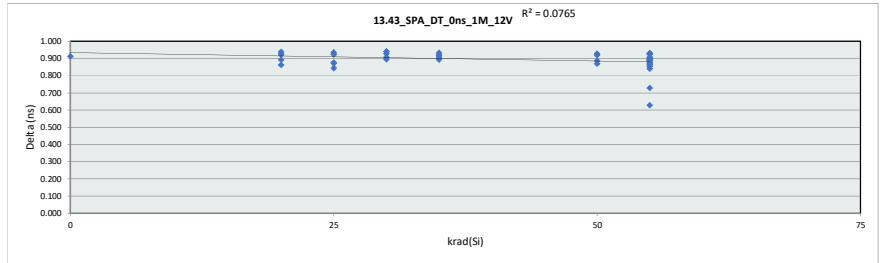


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

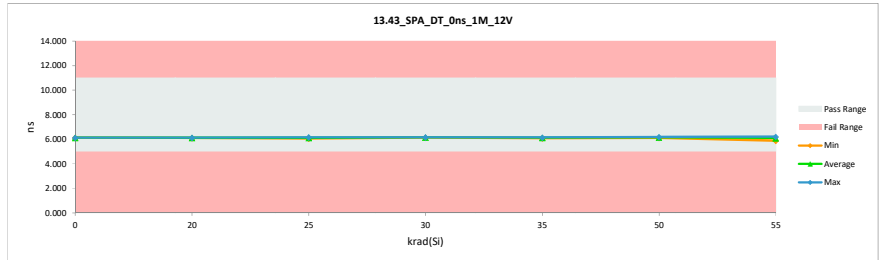
13.43_SPA_DT_0ns_1M_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	11 11
Min Limit	5 5

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.228	6.142		0.914
25	1	5.240	6.176		0.936
25	2	5.277	6.154		0.877
25	3	5.205	6.131		0.926
25	4	5.228	6.074		0.846
25	5	5.209	6.083		0.874
20	6	5.198	6.138		0.940
20	7	5.219	6.113		0.894
20	8	5.211	6.135		0.924
20	9	5.254	6.118		0.864
20	10	5.203	6.131		0.928
35	11	5.229	6.138		0.909
35	12	5.213	6.135		0.922
35	13	5.224	6.143		0.919
35	14	5.202	6.097		0.895
35	15	5.225	6.160		0.935
30	16	5.235	6.177		0.942
30	17	5.243	6.172		0.929
30	18	5.255	6.152		0.897
30	19	5.202	6.144		0.942
30	20	5.232	6.141		0.909
55	21	5.262	6.193		0.931
55	22	5.273	6.141		0.868
55	23	5.182	6.070		0.888
55	24	5.260	6.158		0.898
55	25	5.181	6.072		0.891
55	26	5.295	6.164		0.869
55	27	5.236	6.131		0.895
55	28	5.312	6.221		0.909
55	29	5.208	6.140		0.932
55	30	5.262	6.166		0.904
55	31	5.255	6.136		0.881
55	32	5.229	6.123		0.894
55	33	5.265	5.895		0.630
55	34	5.211	6.137		0.926
55	35	5.261	6.116		0.855
55	36	5.196	6.070		0.874
55	37	5.269	6.201		0.932
55	38	5.322	6.179		0.857
55	39	5.216	6.058		0.842
55	40	5.230	6.138		0.908
55	41	5.265	6.157		0.892
55	42	5.226	5.956		0.730
50	43	5.253	6.182		0.929
50	44	5.250	6.122		0.872
50	45	5.274	6.195		0.921
50	46	5.258	6.147		0.889
50	47	5.224	6.151		0.927
Max		5.322	6.221		0.942
Average		5.238	6.131		0.893
Min		5.181	5.895		0.630
Std Dev		0.031	0.056		0.053



13.43_SPA_DT_0ns_1M_12V	
Test Site	
Tester	
Test Number	
Max Limit	11 ns
Min Limit	5 ns

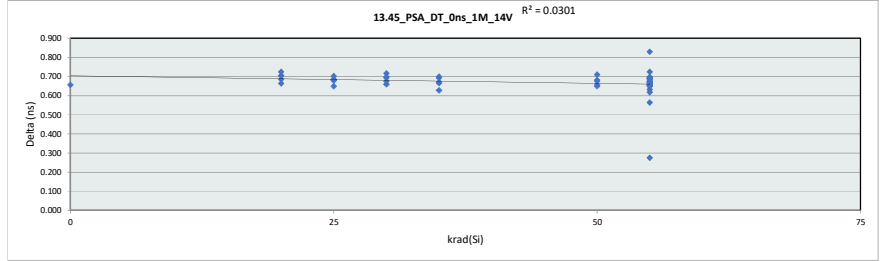
krad(Si)	0	20	25	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	6.142	6.113	6.074	6.141	6.097	6.122	5.895
Average	6.142	6.127	6.124	6.157	6.135	6.159	6.119
Max	6.142	6.138	6.176	6.177	6.160	6.195	6.221
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000



**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

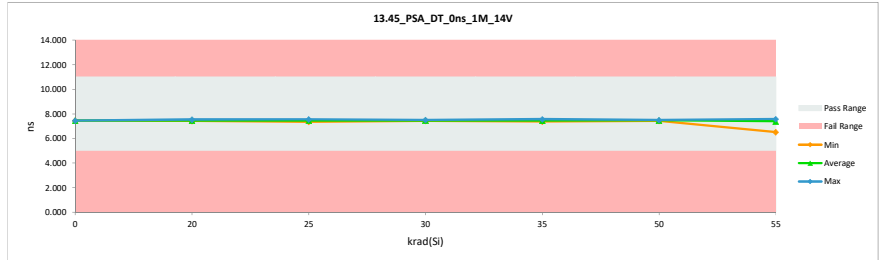
13.45_PSA_DT_0ns_1M_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	11 11
Min Limit	5 5



krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	6.807	7.465		0.658
25	1	6.864	7.568		0.704
25	2	6.830	7.515		0.685
25	3	6.722	7.373		0.651
25	4	6.780	7.466		0.686
25	5	6.758	7.439		0.681
20	6	6.790	7.455		0.665
20	7	6.823	7.549		0.726
20	8	6.735	7.441		0.706
20	9	6.780	7.486		0.706
20	10	6.744	7.431		0.687
35	11	6.764	7.465		0.701
35	12	6.750	7.379		0.629
35	13	6.883	7.577		0.694
35	14	6.760	7.432		0.672
35	15	6.763	7.430		0.667
30	16	6.844	7.521		0.677
30	17	6.771	7.471		0.700
30	18	6.809	7.470		0.661
30	19	6.771	7.489		0.718
30	20	6.744	7.439		0.695
55	21	6.779	7.432		0.653
55	22	6.811	7.537		0.726
55	23	6.778	7.440		0.662
55	24	6.761	7.435		0.674
55	25	6.744	7.413		0.669
55	26	6.850	7.544		0.694
55	27	6.799	7.483		0.684
55	28	6.801	7.491		0.690
55	29	6.776	7.438		0.662
55	30	6.781	7.480		0.699
55	31	6.749	7.405		0.656
55	32	6.713	7.381		0.668
55	33	6.240	6.517		0.277
55	34	6.752	7.443		0.691
55	35	6.781	7.449		0.668
55	36	6.720	7.286		0.566
55	37	6.823	7.520		0.697
55	38	6.885	7.519		0.634
55	39	6.720	7.370		0.650
55	40	6.766	7.386		0.620
55	41	6.740	7.417		0.677
55	42	6.754	7.585		0.831
50	43	6.835	7.512		0.677
50	44	6.848	7.499		0.651
50	45	6.780	7.438		0.658
50	46	6.807	7.490		0.683
50	47	6.751	7.463		0.712
Max		6.885	7.585		0.831
Average		6.772	7.442		0.671
Min		6.240	6.517		0.277
Std Dev		0.089	0.149		0.068

13.45_PSA_DT_0ns_1M_14V	
Test Site	
Tester	
Test Number	
Max Limit	11 ns
Min Limit	5 ns

krad(Si)	0	20	25	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	7.465	7.431	7.373	7.439	7.379	7.438	6.517
Average	7.465	7.472	7.472	7.478	7.457	7.480	7.408
Max	7.465	7.549	7.568	7.521	7.577	7.512	7.585
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000

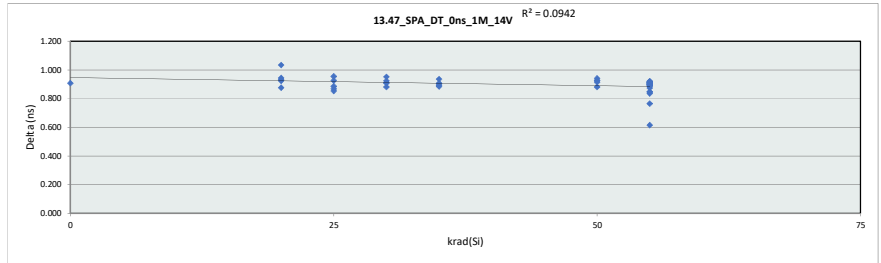


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

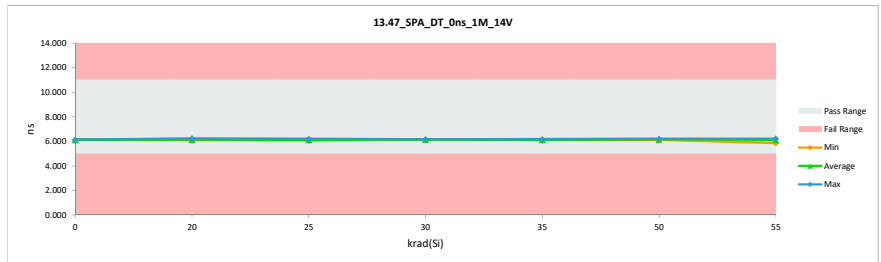
13.47_SPA_DT_0ns_1M_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	11 11
Min Limit	5 5

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	5.223	6.133		0.910
25	1	5.239	6.196		0.957
25	2	5.278	6.206		0.928
25	3	5.216	6.104		0.888
25	4	5.230	6.100		0.870
25	5	5.209	6.065		0.856
20	6	5.196	6.143		0.947
20	7	5.226	6.104		0.878
20	8	5.216	6.142		0.926
20	9	5.199	6.235		1.036
20	10	5.207	6.143		0.936
35	11	5.237	6.175		0.938
35	12	5.219	6.129		0.910
35	13	5.215	6.102		0.887
35	14	5.228	6.133		0.905
35	15	5.218	6.112		0.894
30	16	5.242	6.156		0.914
30	17	5.241	6.167		0.926
30	18	5.259	6.142		0.883
30	19	5.211	6.165		0.954
30	20	5.226	6.136		0.910
55	21	5.263	6.185		0.922
55	22	5.273	6.122		0.849
55	23	5.182	6.098		0.916
55	24	5.262	6.161		0.899
55	25	5.189	6.084		0.895
55	26	5.299	6.137		0.838
55	27	5.231	6.146		0.915
55	28	5.306	6.219		0.913
55	29	5.214	6.090		0.876
55	30	5.248	6.155		0.907
55	31	5.256	6.160		0.904
55	32	5.222	6.117		0.895
55	33	5.251	5.868		0.617
55	34	5.222	6.128		0.906
55	35	5.264	6.164		0.900
55	36	5.195	6.112		0.917
55	37	5.281	6.204		0.923
55	38	5.326	6.213		0.887
55	39	5.221	6.131		0.910
55	40	5.249	6.099		0.850
55	41	5.253	6.152		0.899
55	42	5.223	5.990		0.767
50	43	5.246	6.174		0.928
50	44	5.242	6.125		0.883
50	45	5.268	6.211		0.943
50	46	5.239	6.156		0.917
50	47	5.224	6.151		0.927
	Max	5.326	6.235		1.036
	Average	5.237	6.136		0.899
	Min	5.182	5.868		0.617
	Std Dev	0.030	0.059		0.056



13.47_SPA_DT_0ns_1M_14V	
Test Site	
Tester	
Test Number	
Max Limit	11 ns
Min Limit	5 ns

krad(Si)	0	20	25	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	6.133	6.104	6.065	6.136	6.102	6.125	5.868
Average	6.133	6.153	6.134	6.153	6.130	6.163	6.124
Max	6.133	6.235	6.206	6.167	6.175	6.211	6.219
UL	11.000	11.000	11.000	11.000	11.000	11.000	11.000

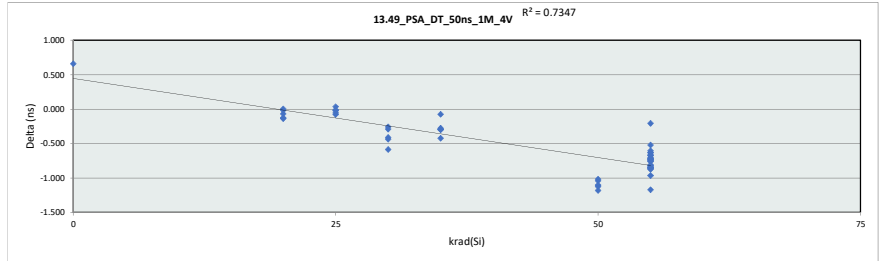


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

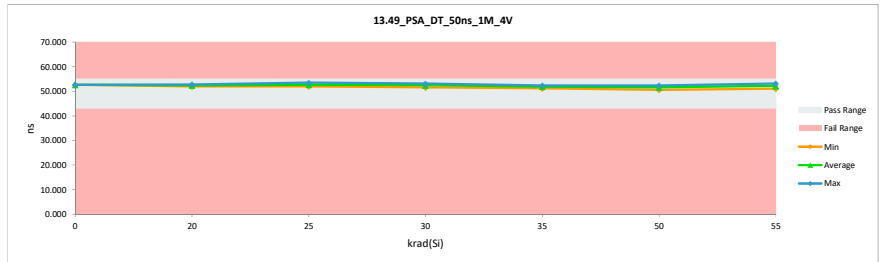
13.49_PSA_DT_50ns_1M_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	55 55
Min Limit	43 43

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	52.032	52.695	0.663
25	1	52.501	52.542	0.041
25	2	52.257	52.183	-0.074
25	3	53.555	53.549	-0.006
25	4	52.074	52.057	-0.017
25	5	53.263	53.213	-0.050
20	6	52.059	52.066	0.007
20	7	52.881	52.816	-0.065
20	8	52.574	52.451	-0.123
20	9	52.749	52.617	-0.132
20	10	52.272	52.262	-0.010
35	11	51.672	51.601	-0.071
35	12	52.649	52.377	-0.272
35	13	52.594	52.177	-0.417
35	14	51.545	51.254	-0.291
35	15	52.627	52.333	-0.294
30	16	52.590	52.338	-0.252
30	17	53.570	53.138	-0.432
30	18	51.882	51.598	-0.284
30	19	53.283	52.876	-0.407
30	20	53.260	52.678	-0.582
55	21	53.225	52.506	-0.719
55	22	53.351	52.507	-0.844
55	23	51.930	51.302	-0.628
55	24	52.781	51.947	-0.834
55	25	52.352	51.483	-0.869
55	26	51.867	51.148	-0.719
55	27	52.904	51.945	-0.959
55	28	53.192	52.376	-0.816
55	29	53.184	52.522	-0.662
55	30	53.945	53.189	-0.756
55	31	53.453	52.712	-0.741
55	32	52.773	51.915	-0.858
55	33	53.434	52.918	-0.516
55	34	52.051	51.425	-0.626
55	35	52.753	51.947	-0.806
55	36	53.325	52.477	-0.848
55	37	53.753	53.153	-0.600
55	38	53.741	53.045	-0.696
55	39	53.431	52.265	-1.166
55	40	53.055	52.854	-0.201
55	41	52.941	52.215	-0.726
55	42	52.730	52.062	-0.668
50	43	52.746	51.733	-1.013
50	44	53.065	52.029	-1.036
50	45	52.737	51.561	-1.176
50	46	53.529	52.409	-1.120
50	47	51.690	50.591	-1.099
Max		53.945	53.549	0.663
Average		52.788	52.272	-0.516
Min		51.545	50.591	-1.176
Std Dev		0.615	0.613	0.403



13.49_PSA_DT_50ns_1M_4V	
Test Site	
Tester	
Test Number	
Max Limit	55 ns
Min Limit	43 ns

krad(Si)	0	20	25	30	35	50	55
LL	43.000	43.000	43.000	43.000	43.000	43.000	43.000
Min	52.695	52.066	52.057	51.598	51.254	50.591	51.148
Average	52.695	52.442	52.709	52.526	51.948	51.665	52.269
Max	52.695	52.816	53.549	53.138	52.377	52.409	53.189
UL	55.000	55.000	55.000	55.000	55.000	55.000	55.000



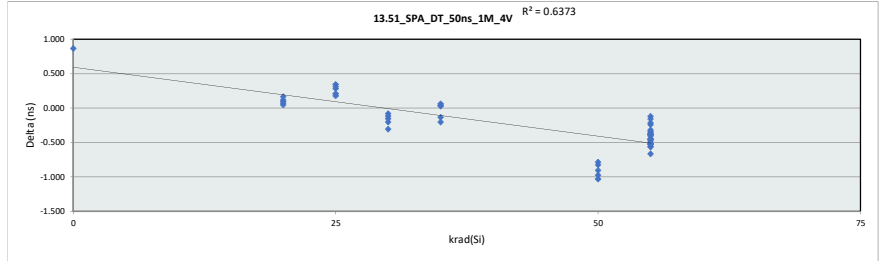
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

13.51_SPA_DT_50ns_1M_4V

Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	55	55
Min Limit	43	43

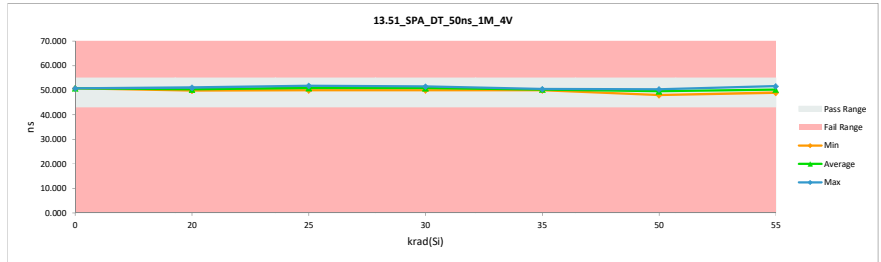
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	49.918	50.789		0.871
25	1	50.815	51.101		0.286
25	2	49.971	50.319		0.348
25	3	51.468	51.649		0.181
25	4	49.810	50.024		0.214
25	5	51.528	51.842		0.314
20	6	50.076	50.198		0.122
20	7	50.003	50.077		0.074
20	8	50.315	50.366		0.051
20	9	50.934	51.103		0.169
20	10	49.856	49.958		0.102
35	11	50.465	50.499		0.034
35	12	50.434	50.473		0.039
35	13	50.463	50.263		-0.200
35	14	50.121	49.990		-0.131
35	15	50.059	50.123		0.064
30	16	50.117	50.003		-0.114
30	17	51.628	51.551		-0.077
30	18	51.093	50.792		-0.301
30	19	51.507	51.356		-0.151
30	20	51.061	50.862		-0.199
55	21	50.811	50.337		-0.474
55	22	51.497	50.946		-0.551
55	23	49.998	49.472		-0.526
55	24	50.612	50.098		-0.514
55	25	49.455	49.007		-0.448
55	26	50.081	49.701		-0.380
55	27	50.093	49.582		-0.511
55	28	52.068	51.697		-0.371
55	29	50.995	50.840		-0.155
55	30	51.044	50.685		-0.359
55	31	51.031	50.587		-0.444
55	32	50.629	50.067		-0.562
55	33	51.125	50.463		-0.662
55	34	49.664	49.264		-0.400
55	35	49.540	49.158		-0.382
55	36	51.124	50.668		-0.456
55	37	50.721	50.605		-0.116
55	38	50.810	50.573		-0.237
55	39	50.972	50.657		-0.315
55	40	51.025	50.502		-0.523
55	41	51.110	50.774		-0.336
55	42	50.856	50.645		-0.211
50	43	50.698	49.915		-0.783
50	44	50.658	49.837		-0.821
50	45	51.037	50.009		-1.028
50	46	51.351	50.380		-0.971
50	47	48.960	48.058		-0.902
Max		52.068	51.842		0.871
Average		50.617	50.372		-0.245
Min		48.960	48.058		-1.028
Std Dev		0.654	0.717		0.377



13.51_SPA_DT_50ns_1M_4V

Test Site		
Tester		
Test Number		
Max Limit	55	ns
Min Limit	43	ns

krad(Si)	0	20	25	30	35	50	55
LL	43.000	43.000	43.000	43.000	43.000	43.000	43.000
Min	50.789	49.958	50.024	50.003	49.990	48.058	49.007
Average	50.789	50.340	50.987	50.913	50.270	49.640	50.288
Max	50.789	51.103	51.842	51.551	50.499	50.380	51.697
UL	55.000	55.000	55.000	55.000	55.000	55.000	55.000

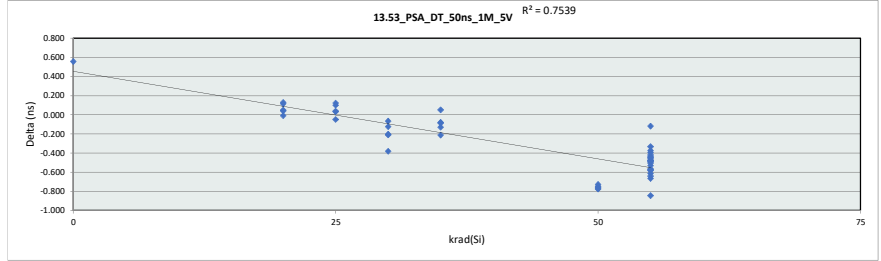


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

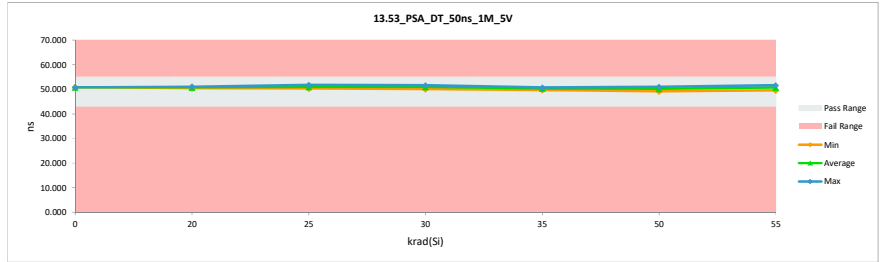
13.53_PSA_DT_50ns_1M_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	55 55
Min Limit	43 43

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	50.289	50.849	0.560
25	1	50.805	50.907	0.102
25	2	50.510	50.544	0.034
25	3	51.785	51.825	0.040
25	4	50.323	50.276	-0.047
25	5	51.582	51.708	0.126
20	6	50.362	50.493	0.131
20	7	51.002	51.052	0.050
20	8	50.833	50.876	0.043
20	9	51.087	51.080	-0.007
20	10	50.543	50.661	0.118
35	11	50.056	50.109	0.053
35	12	50.843	50.759	-0.084
35	13	50.751	50.541	-0.210
35	14	49.847	49.719	-0.128
35	15	50.812	50.735	-0.077
30	16	50.825	50.761	-0.064
30	17	51.850	51.643	-0.207
30	18	50.265	50.143	-0.122
30	19	51.613	51.412	-0.201
30	20	51.563	51.184	-0.379
55	21	51.448	50.973	-0.475
55	22	51.649	51.080	-0.569
55	23	50.214	49.842	-0.372
55	24	51.058	50.494	-0.564
55	25	50.618	50.039	-0.579
55	26	50.131	49.629	-0.502
55	27	51.090	50.480	-0.610
55	28	51.428	50.898	-0.530
55	29	51.504	51.047	-0.457
55	30	52.168	51.696	-0.472
55	31	51.743	51.299	-0.444
55	32	51.079	50.441	-0.638
55	33	51.711	51.319	-0.392
55	34	50.339	49.901	-0.438
55	35	50.919	50.342	-0.577
55	36	51.644	50.981	-0.663
55	37	51.967	51.636	-0.331
55	38	51.964	51.477	-0.487
55	39	51.688	50.845	-0.843
55	40	51.402	51.286	-0.116
55	41	51.254	50.771	-0.483
55	42	51.032	50.614	-0.418
50	43	51.022	50.295	-0.727
50	44	51.308	50.534	-0.774
50	45	51.010	50.239	-0.771
50	46	51.770	51.013	-0.757
50	47	49.968	49.221	-0.747
Max		52.168	51.825	0.560
Average		51.056	50.743	-0.313
Min		49.847	49.221	-0.843
Std Dev		0.605	0.585	0.318



13.53_PSA_DT_50ns_1M_5V	
Test Site	
Tester	
Test Number	
Max Limit	55 ns
Min Limit	43 ns

krad(Si)	0	20	25	30	35	50	55
LL	43.000	43.000	43.000	43.000	43.000	43.000	43.000
Min	50.849	50.493	50.276	50.143	49.719	49.221	49.629
Average	50.849	50.832	51.052	51.029	50.373	50.260	50.777
Max	50.849	51.080	51.825	51.643	50.759	51.013	51.696
UL	55.000	55.000	55.000	55.000	55.000	55.000	55.000



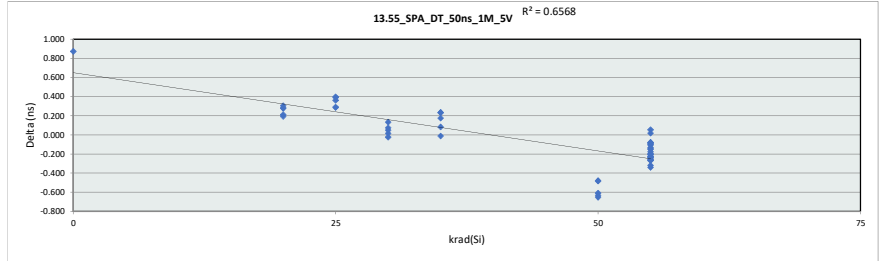
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

13.55_SPA_DT_50ns_1M_5V

Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	55	55
Min Limit	43	43

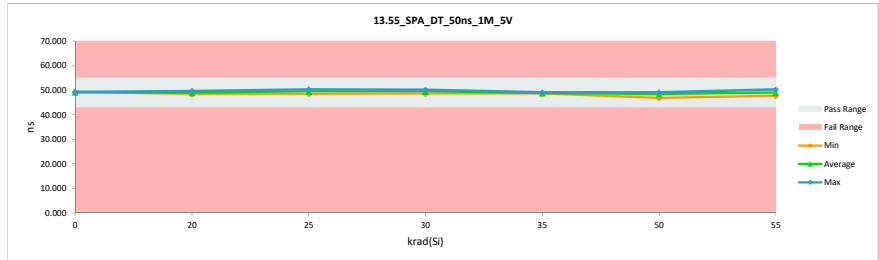
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	48.405	49.282		0.877
25	1	49.251	49.615		0.364
25	2	48.468	48.861		0.393
25	3	50.011	50.300		0.289
25	4	48.311	48.606		0.295
25	5	49.998	50.398		0.400
20	6	48.613	48.921		0.308
20	7	48.422	48.706		0.284
20	8	48.797	49.011		0.214
20	9	49.395	49.676		0.281
20	10	48.359	48.555		0.196
35	11	48.936	49.172		0.236
35	12	48.851	49.029		0.178
35	13	48.836	48.827		-0.009
35	14	48.637	48.722		0.085
35	15	48.549	48.784		0.235
30	16	48.599	48.651		0.052
30	17	50.106	50.183		0.077
30	18	49.453	49.432		-0.021
30	19	50.012	50.148		0.136
30	20	49.543	49.561		0.018
55	21	49.303	49.064		-0.239
55	22	49.946	49.717		-0.229
55	23	48.470	48.213		-0.257
55	24	49.145	48.880		-0.265
55	25	48.001	47.802		-0.199
55	26	48.536	48.391		-0.145
55	27	48.546	48.320		-0.226
55	28	50.426	50.329		-0.097
55	29	49.558	49.614		0.056
55	30	49.573	49.492		-0.081
55	31	49.576	49.381		-0.195
55	32	49.169	48.832		-0.337
55	33	49.568	49.309		-0.259
55	34	48.138	47.964		-0.174
55	35	48.037	47.907		-0.130
55	36	49.728	49.521		-0.207
55	37	49.224	49.244		0.020
55	38	49.339	49.264		-0.075
55	39	49.484	49.380		-0.104
55	40	49.502	49.185		-0.317
55	41	49.653	49.505		-0.148
55	42	49.383	49.299		-0.084
50	43	49.251	48.771		-0.480
50	44	49.196	48.718		-0.478
50	45	49.548	48.898		-0.650
50	46	49.818	49.185		-0.633
50	47	47.490	46.882		-0.608
	Max	50.426	50.398		0.877
	Average	49.108	49.073		-0.034
	Min	47.490	46.882		-0.650
	Std Dev	0.650	0.688		0.304



13.55_SPA_DT_50ns_1M_5V

Test Site		
Tester		
Test Number		
Max Limit	55	ns
Min Limit	43	ns

krad(Si)	0	20	25	30	35	50	55
LL	43.000	43.000	43.000	43.000	43.000	43.000	43.000
Min	49.282	48.555	48.606	48.651	48.722	46.882	47.802
Average	49.282	48.974	49.556	49.595	48.907	48.491	49.028
Max	49.282	49.676	50.398	50.183	49.172	49.185	50.329
UL	55.000	55.000	55.000	55.000	55.000	55.000	55.000



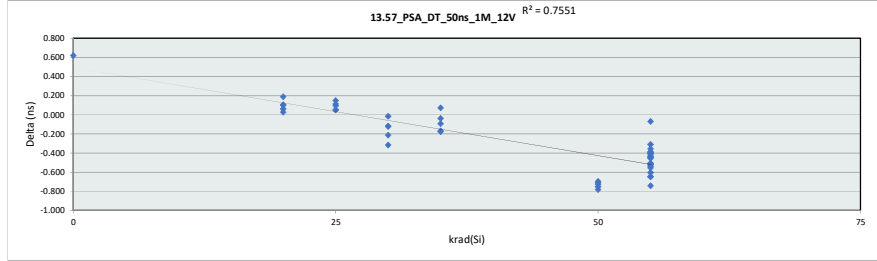
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

13.57_PSA_DT_50ns_1M_12V

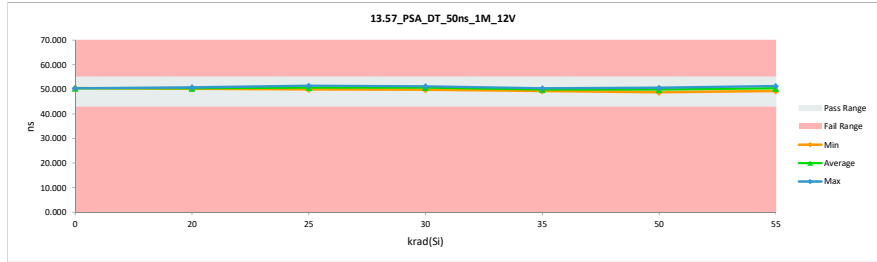
Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	55	55
Min Limit	43	43

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	49.880	50.503		0.623
25	1	50.471	50.568		0.097
25	2	50.198	50.251		0.053
25	3	51.299	51.451		0.152
25	4	49.906	49.961		0.055
25	5	51.121	51.237		0.116
20	6	50.005	50.198		0.193
20	7	50.589	50.654		0.065
20	8	50.408	50.438		0.030
20	9	50.699	50.801		0.102
20	10	50.141	50.250		0.109
35	11	49.676	49.752		0.076
35	12	50.397	50.307		-0.090
35	13	50.284	50.119		-0.165
35	14	49.537	49.365		-0.172
35	15	50.439	50.405		-0.034
30	16	50.465	50.453		-0.012
30	17	51.451	51.242		-0.209
30	18	49.950	49.832		-0.118
30	19	51.271	51.156		-0.115
30	20	51.112	50.800		-0.312
55	21	51.017	50.580		-0.437
55	22	51.339	50.786		-0.553
55	23	49.785	49.396		-0.389
55	24	50.677	50.142		-0.535
55	25	50.181	49.667		-0.514
55	26	49.776	49.332		-0.444
55	27	50.706	50.105		-0.601
55	28	51.018	50.508		-0.510
55	29	51.161	50.727		-0.434
55	30	51.762	51.346		-0.416
55	31	51.375	50.923		-0.452
55	32	50.646	50.000		-0.646
55	33	51.318	50.929		-0.389
55	34	49.912	49.559		-0.353
55	35	50.578	50.075		-0.503
55	36	51.273	50.631		-0.642
55	37	51.546	51.239		-0.307
55	38	51.617	51.214		-0.403
55	39	51.213	50.474		-0.739
55	40	50.966	50.899		-0.067
55	41	50.861	50.463		-0.398
55	42	50.623	50.240		-0.383
50	43	50.694	49.946		-0.748
50	44	50.854	50.151		-0.703
50	45	50.666	49.887		-0.779
50	46	51.359	50.637		-0.722
50	47	49.516	48.822		-0.694
Max		51.762	51.451		0.623
Average		50.661	50.384		-0.277
Min		49.516	48.822		-0.779
Std Dev		0.599	0.584		0.318



13.57_PSA_DT_50ns_1M_12V

Test Site							
Tester							
Test Number							
Max Limit	55	ns					
Min Limit	43	ns					
krad(Si)	0	20	25	30	35	50	55
LL	43.000	43.000	43.000	43.000	43.000	43.000	43.000
Min	50.503	50.198	49.961	49.832	49.965	48.822	49.332
Average	50.503	50.468	50.694	50.697	49.990	49.889	50.420
Max	50.503	50.801	51.451	51.242	50.405	50.637	51.346
UL	55.000	55.000	55.000	55.000	55.000	55.000	55.000



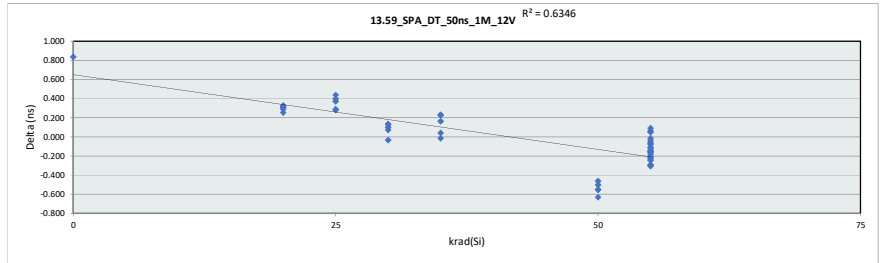
**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

13.59_SPA_DT_50ns_1M_12V

Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	55	55
Min Limit	43	43

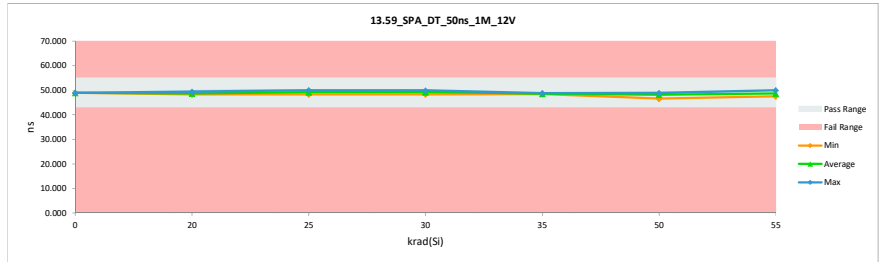
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	48.090	48.930		0.840
25	1	48.969	49.412		0.443
25	2	48.206	48.581		0.375
25	3	49.622	49.916		0.294
25	4	47.989	48.272		0.283
25	5	49.625	50.026		0.401
20	6	48.331	48.661		0.330
20	7	48.100	48.411		0.311
20	8	48.453	48.711		0.258
20	9	49.093	49.412		0.319
20	10	48.045	48.338		0.293
35	11	48.624	48.855		0.231
35	12	48.495	48.662		0.167
35	13	48.461	48.450		-0.011
35	14	48.373	48.417		0.044
35	15	48.249	48.482		0.233
30	16	48.307	48.382		0.075
30	17	49.773	49.912		0.139
30	18	49.172	49.141		-0.031
30	19	49.726	49.859		0.133
30	20	49.156	49.260		0.104
55	21	48.939	48.762		-0.177
55	22	49.698	49.457		-0.241
55	23	48.105	47.962		-0.143
55	24	48.834	48.609		-0.225
55	25	47.676	47.530		-0.146
55	26	48.249	48.094		-0.155
55	27	48.243	48.034		-0.209
55	28	50.062	50.006		-0.056
55	29	49.276	49.371		0.095
55	30	49.256	49.193		-0.063
55	31	49.264	49.106		-0.158
55	32	48.830	48.534		-0.296
55	33	49.264	49.066		-0.198
55	34	47.796	47.691		-0.105
55	35	47.779	47.746		-0.033
55	36	49.433	49.146		-0.287
55	37	48.878	48.931		0.053
55	38	49.067	48.991		-0.076
55	39	49.098	49.087		-0.011
55	40	49.158	48.855		-0.303
55	41	49.319	49.197		-0.122
55	42	49.032	49.097		0.065
50	43	48.953	48.494		-0.459
50	44	48.841	48.342		-0.499
50	45	49.261	48.632		-0.629
50	46	49.475	48.925		-0.550
50	47	47.123	46.574		-0.549
Max		50.062	50.026		0.840
Average		48.787	48.782		-0.005
Min		47.123	46.574		-0.629
Std Dev		0.646	0.679		0.296



13.59_SPA_DT_50ns_1M_12V

Test Site		
Tester		
Test Number		
Max Limit	55	ns
Min Limit	43	ns

krad(Si)	0	20	25	30	35	50	55
LL	43.000	43.000	43.000	43.000	43.000	43.000	43.000
Min	48.930	48.338	48.272	48.382	48.417	46.574	47.530
Average	48.930	48.707	49.241	49.311	48.573	48.193	48.748
Max	48.930	49.412	50.026	49.912	48.855	48.925	50.006
UL	55.000	55.000	55.000	55.000	55.000	55.000	55.000



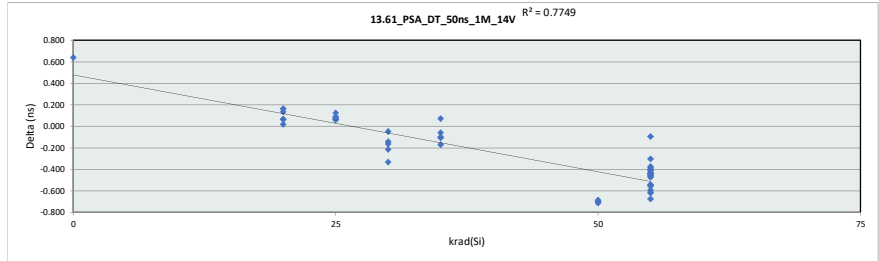
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

13.61_PSA_DT_50ns_1M_14V

Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	55	55
Min Limit	43	43

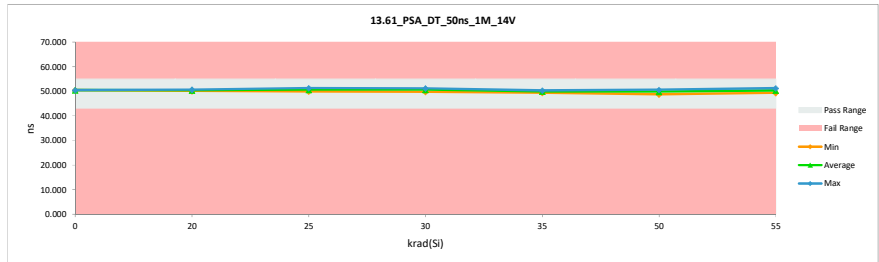
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	49.867	50.509		0.642
25	1	50.468	50.596		0.128
25	2	50.191	50.255		0.064
25	3	51.307	51.373		0.066
25	4	49.889	49.982		0.093
25	5	51.132	51.210		0.078
20	6	50.021	50.160		0.139
20	7	50.592	50.662		0.070
20	8	50.403	50.471		0.068
20	9	50.690	50.712		0.022
20	10	50.133	50.300		0.167
35	11	49.685	49.759		0.074
35	12	50.389	50.285		-0.104
35	13	50.285	50.118		-0.167
35	14	49.538	49.442		-0.096
35	15	50.437	50.381		-0.056
30	16	50.458	50.414		-0.044
30	17	51.448	51.236		-0.212
30	18	49.934	49.795		-0.139
30	19	51.271	51.110		-0.161
30	20	51.099	50.771		-0.328
55	21	50.992	50.583		-0.409
55	22	51.333	50.792		-0.541
55	23	49.762	49.358		-0.404
55	24	50.671	50.118		-0.553
55	25	50.193	49.653		-0.540
55	26	49.775	49.346		-0.429
55	27	50.689	50.100		-0.589
55	28	51.019	50.558		-0.461
55	29	51.151	50.718		-0.433
55	30	51.760	51.290		-0.470
55	31	51.376	50.938		-0.438
55	32	50.644	50.027		-0.617
55	33	51.313	50.919		-0.394
55	34	49.907	49.525		-0.382
55	35	50.570	50.126		-0.444
55	36	51.269	50.659		-0.610
55	37	51.549	51.249		-0.300
55	38	51.630	51.197		-0.433
55	39	51.209	50.537		-0.672
55	40	50.966	50.874		-0.092
55	41	50.854	50.402		-0.452
55	42	50.629	50.258		-0.371
50	43	50.669	49.987		-0.682
50	44	50.867	50.171		-0.696
50	45	50.663	49.953		-0.710
50	46	51.355	50.655		-0.700
50	47	49.503	48.812		-0.691
Max		51.760	51.373		0.642
Average		50.657	50.382		-0.275
Min		49.503	48.812		-0.710
Std Dev		0.601	0.574		0.308



13.61_PSA_DT_50ns_1M_14V

Test Site		
Tester		
Test Number		
Max Limit	55	ns
Min Limit	43	ns

krad(Si)	0	20	25	30	35	50	55
LL	43.000	43.000	43.000	43.000	43.000	43.000	43.000
Min	50.509	50.160	49.982	49.795	49.442	48.812	49.346
Average	50.509	50.461	50.683	50.665	49.997	49.916	50.419
Max	50.509	50.712	51.373	51.236	50.381	50.655	51.290
UL	55.000	55.000	55.000	55.000	55.000	55.000	55.000

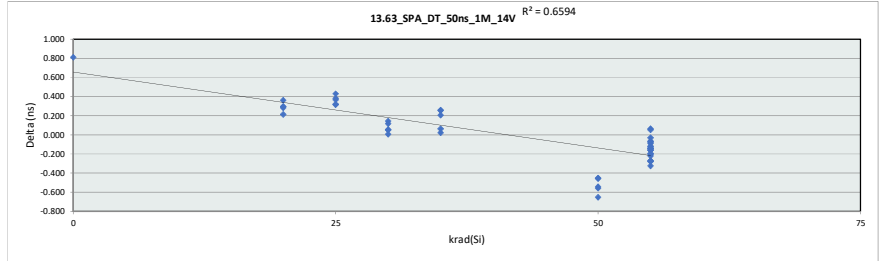


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

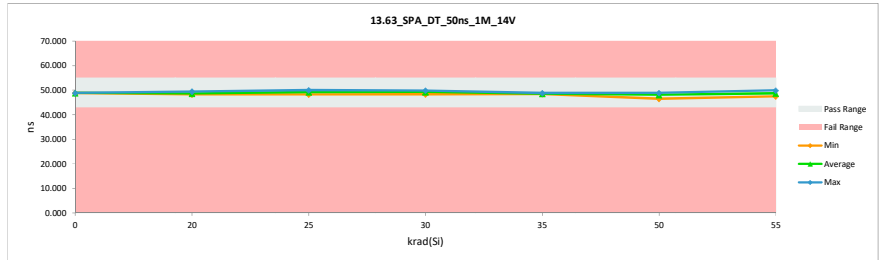
13.63_SPA_DT_50ns_1M_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	55 55
Min Limit	43 43

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	48.078	48.893		0.815
25	1	48.972	49.358		0.386
25	2	48.201	48.571		0.370
25	3	49.614	49.938		0.324
25	4	47.982	48.299		0.317
25	5	49.622	50.055		0.433
20	6	48.336	48.634		0.298
20	7	48.080	48.366		0.286
20	8	48.458	48.674		0.216
20	9	49.102	49.467		0.365
20	10	48.038	48.335		0.297
35	11	48.611	48.869		0.258
35	12	48.480	48.741		0.261
35	13	48.461	48.486		0.025
35	14	48.369	48.435		0.066
35	15	48.250	48.459		0.209
30	16	48.301	48.357		0.056
30	17	49.767	49.887		0.120
30	18	49.171	49.180		0.009
30	19	49.730	49.877		0.147
30	20	49.164	49.219		0.055
55	21	48.937	48.779		-0.158
55	22	49.710	49.440		-0.270
55	23	48.095	47.954		-0.141
55	24	48.823	48.556		-0.267
55	25	47.682	47.540		-0.142
55	26	48.231	48.098		-0.133
55	27	48.228	48.071		-0.157
55	28	50.045	49.974		-0.071
55	29	49.280	49.347		0.067
55	30	49.259	49.142		-0.117
55	31	49.275	49.074		-0.201
55	32	48.818	48.542		-0.276
55	33	49.262	49.044		-0.218
55	34	47.803	47.716		-0.087
55	35	47.764	47.606		-0.158
55	36	49.427	49.235		-0.192
55	37	48.894	48.949		0.055
55	38	49.061	49.033		-0.028
55	39	49.102	49.039		-0.063
55	40	49.164	48.842		-0.322
55	41	49.320	49.203		-0.117
55	42	49.039	48.966		-0.073
50	43	48.963	48.508		-0.455
50	44	48.835	48.385		-0.450
50	45	49.238	48.588		-0.650
50	46	49.474	48.933		-0.541
50	47	47.116	46.560		-0.556
	Max	50.045	50.055		0.815
	Average	48.784	48.775		-0.009
	Min	47.116	46.560		-0.650
	Std Dev	0.648	0.681		0.295



13.63_SPA_DT_50ns_1M_14V	
Test Site	
Tester	
Test Number	
Max Limit	55 ns
Min Limit	43 ns

krad(Si)	0	20	25	30	35	50	55
LL	43.000	43.000	43.000	43.000	43.000	43.000	43.000
Min	48.893	48.335	48.299	48.357	48.435	46.560	47.540
Average	48.893	48.695	49.244	49.304	48.598	48.195	48.734
Max	48.893	49.467	50.055	49.887	48.869	48.933	49.974
UL	55.000	55.000	55.000	55.000	55.000	55.000	55.000



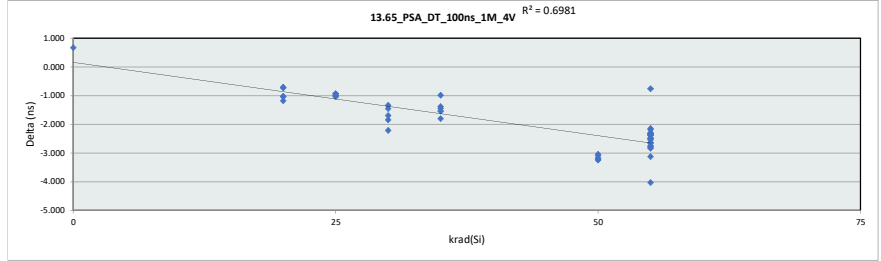
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

13.65_PSA_DT_100ns_1M_4V

Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	110	110
Min Limit	85	85

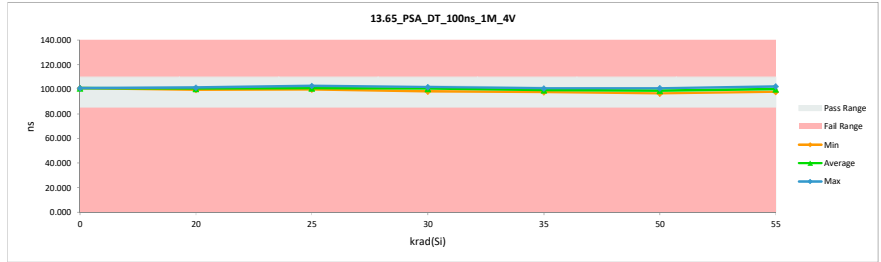
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	100.342	101.022		0.680
25	1	101.137	100.141		-0.996
25	2	100.955	99.925		-1.030
25	3	103.845	102.859		-0.986
25	4	100.886	99.955		-0.931
25	5	103.311	102.393		-0.918
20	6	100.443	99.727		-0.716
20	7	102.562	101.548		-1.014
20	8	101.877	100.709		-1.168
20	9	101.960	100.933		-1.027
20	10	101.039	100.343		-0.696
35	11	99.305	98.326		-0.979
35	12	102.177	100.805		-1.372
35	13	101.499	99.709		-1.790
35	14	99.220	97.687		-1.533
35	15	101.930	100.496		-1.434
30	16	101.538	100.210		-1.328
30	17	103.693	101.858		-1.835
30	18	99.844	98.401		-1.443
30	19	103.126	101.442		-1.684
30	20	103.229	101.026		-2.203
55	21	103.297	100.813		-2.484
55	22	103.184	100.439		-2.745
55	23	100.235	98.058		-2.177
55	24	102.102	99.571		-2.531
55	25	101.552	98.803		-2.749
55	26	100.365	97.999		-2.366
55	27	103.145	100.030		-3.115
55	28	102.974	100.336		-2.638
55	29	102.878	100.540		-2.338
55	30	104.838	102.373		-2.465
55	31	103.623	101.301		-2.322
55	32	102.125	99.328		-2.797
55	33	103.516	101.231		-2.285
55	34	100.800	98.473		-2.327
55	35	102.610	99.970		-2.640
55	36	103.680	100.851		-2.829
55	37	104.219	102.085		-2.134
55	38	104.252	101.898		-2.354
55	39	104.017	99.996		-4.021
55	40	102.587	101.837		-0.750
55	41	102.466	99.967		-2.499
55	42	101.522	99.147		-2.375
50	43	101.981	98.949		-3.032
50	44	102.427	99.350		-3.077
50	45	102.010	98.781		-3.229
50	46	104.071	100.899		-3.172
50	47	99.935	96.705		-3.230
	Max	104.838	102.859		0.680
	Average	102.174	100.193		-1.981
	Min	99.220	96.705		-4.021
	Std Dev	1.401	1.346		0.922



13.65_PSA_DT_100ns_1M_4V

Test Site		
Tester		
Test Number		
Max Limit	110	ns
Min Limit	85	ns

krad(Si)	0	20	25	30	35	50	55
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	101.022	99.727	99.925	98.401	97.687	96.705	97.999
Average	101.022	100.652	101.055	100.587	99.405	98.937	100.229
Max	101.022	101.548	102.859	101.858	100.805	100.899	102.373
UL	110.000	110.000	110.000	110.000	110.000	110.000	110.000

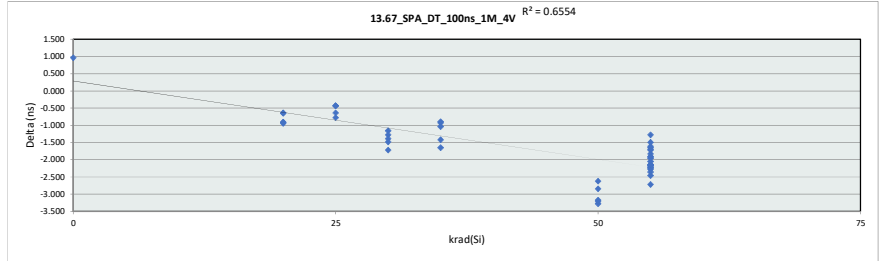


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

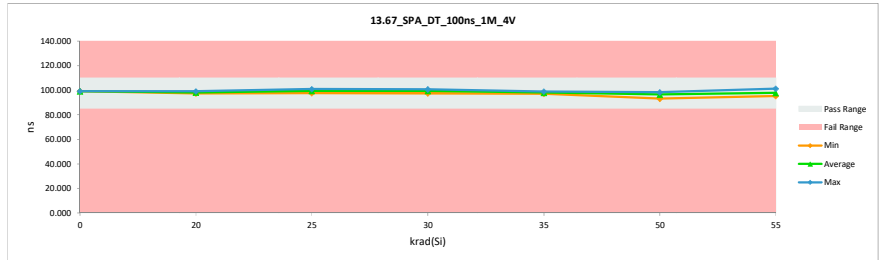
13.67_SPA_DT_100ns_1M_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	110 110
Min Limit	85 85

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	98.229	99.204	0.975
25	1	100.605	100.180	-0.425
25	2	98.600	98.172	-0.428
25	3	101.804	101.033	-0.771
25	4	98.342	97.709	-0.633
25	5	101.072	100.650	-0.422
20	6	98.873	98.241	-0.632
20	7	98.820	97.914	-0.906
20	8	99.608	98.674	-0.934
20	9	99.839	99.194	-0.645
20	10	98.281	97.378	-0.903
35	11	99.209	98.320	-0.889
35	12	99.964	99.041	-0.923
35	13	99.831	98.188	-1.643
35	14	98.650	97.236	-1.414
35	15	98.954	97.927	-1.027
30	16	98.989	97.515	-1.474
30	17	101.906	100.754	-1.152
30	18	101.666	99.954	-1.712
30	19	101.856	100.585	-1.271
30	20	100.760	99.381	-1.379
55	21	100.264	98.046	-2.218
55	22	101.598	99.327	-2.271
55	23	98.721	96.478	-2.243
55	24	99.360	97.200	-2.160
55	25	97.527	95.394	-2.133
55	26	99.335	97.387	-1.948
55	27	99.169	96.975	-2.194
55	28	103.272	101.360	-1.912
55	29	99.837	98.567	-1.270
55	30	100.440	98.840	-1.600
55	31	99.956	97.911	-2.045
55	32	99.804	97.351	-2.453
55	33	100.631	98.279	-2.352
55	34	97.820	95.998	-1.822
55	35	97.763	95.868	-1.895
55	36	100.853	98.707	-2.146
55	37	99.808	98.320	-1.488
55	38	99.453	97.742	-1.711
55	39	100.652	98.957	-1.695
55	40	100.928	98.216	-2.712
55	41	100.567	98.420	-2.147
55	42	100.067	98.426	-1.641
50	43	99.768	96.929	-2.839
50	44	99.566	96.951	-2.615
50	45	100.458	97.185	-3.273
50	46	101.581	98.377	-3.204
50	47	96.376	93.206	-3.170
Max		103.272	101.360	0.975
Average		99.822	98.201	-1.620
Min		96.376	93.206	-3.273
Std Dev		1.335	1.511	0.848



13.67_SPA_DT_100ns_1M_4V	
Test Site	
Tester	
Test Number	
Max Limit	110 ns
Min Limit	85 ns

krad(Si)	0	20	25	30	35	50	55
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	99.204	97.378	97.709	97.515	97.236	93.206	95.394
Average	99.204	98.280	99.549	99.638	98.142	96.530	97.899
Max	99.204	99.194	101.033	100.754	99.041	98.377	101.360
UL	110.000	110.000	110.000	110.000	110.000	110.000	110.000

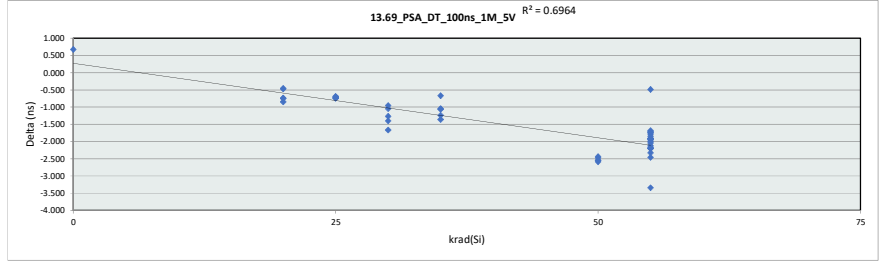


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

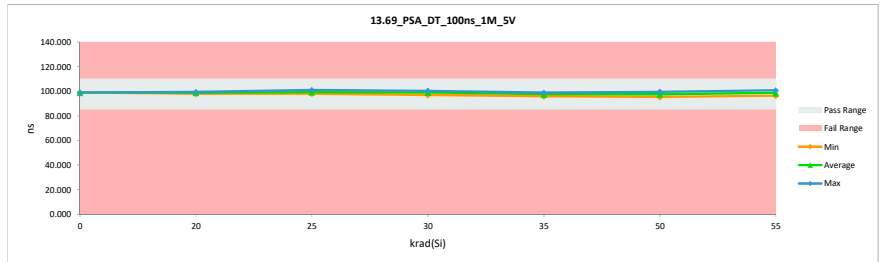
13.69_PSA_DT_100ns_1M_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	110 110
Min Limit	85 85

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	98.360	99.044		0.684
25	1	99.263	98.551		-0.712
25	2	98.977	98.241		-0.736
25	3	101.817	101.127		-0.690
25	4	98.803	98.128		-0.675
25	5	101.445	100.722		-0.723
20	6	98.544	98.080		-0.464
20	7	100.283	99.545		-0.738
20	8	99.896	99.059		-0.837
20	9	100.110	99.380		-0.730
20	10	99.077	98.632		-0.445
35	11	97.580	96.922		-0.658
35	12	99.999	98.966		-1.033
35	13	99.402	98.051		-1.351
35	14	97.298	96.071		-1.227
35	15	99.817	98.766		-1.051
30	16	99.561	98.618		-0.943
30	17	101.828	100.436		-1.392
30	18	98.149	97.113		-1.036
30	19	101.309	100.049		-1.260
30	20	101.328	99.673		-1.655
55	21	101.253	99.357		-1.896
55	22	101.336	99.149		-2.187
55	23	98.269	96.596		-1.673
55	24	100.162	98.166		-1.996
55	25	99.501	97.314		-2.187
55	26	98.270	96.494		-1.776
55	27	100.883	98.434		-2.449
55	28	100.975	98.860		-2.115
55	29	101.030	99.194		-1.836
55	30	102.776	100.832		-1.944
55	31	101.721	99.809		-1.912
55	32	100.221	98.028		-2.193
55	33	101.560	99.823		-1.737
55	34	98.831	97.123		-1.708
55	35	100.383	98.222		-2.161
55	36	101.750	99.432		-2.318
55	37	102.213	100.498		-1.715
55	38	102.178	100.247		-1.931
55	39	102.002	98.670		-3.332
55	40	100.775	100.298		-0.477
55	41	100.548	98.517		-2.031
55	42	99.664	97.759		-1.905
50	43	100.014	97.586		-2.428
50	44	100.448	97.913		-2.535
50	45	100.075	97.494		-2.581
50	46	102.033	99.569		-2.464
50	47	97.953	95.412		-2.541
	Max	102.776	101.127		0.684
	Average	100.201	98.666		-1.535
	Min	97.298	95.412		-3.332
	Std Dev	1.380	1.291		0.780



13.69_PSA_DT_100ns_1M_5V	
Test Site	
Tester	
Test Number	
Max Limit	110 ns
Min Limit	85 ns

krad(Si)	0	20	25	30	35	50	55
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	99.044	98.080	98.128	97.113	96.071	95.412	96.494
Average	99.044	98.939	99.354	99.178	97.755	97.595	98.765
Max	99.044	99.545	101.127	100.436	98.966	99.569	100.832
UL	110.000	110.000	110.000	110.000	110.000	110.000	110.000

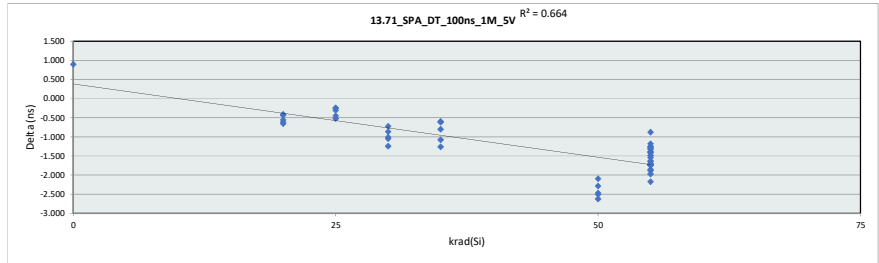


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

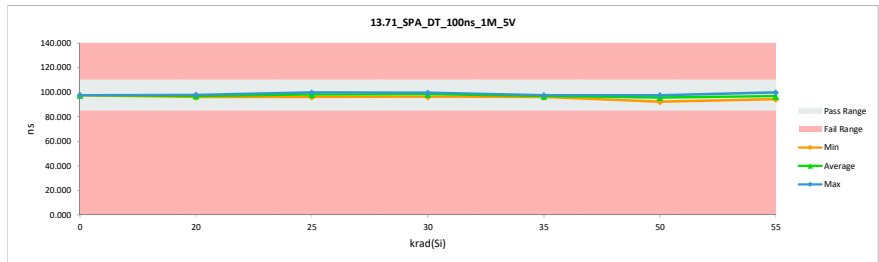
13.71_SPA_DT_100ns_1M_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	110 110
Min Limit	85 85

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	96.647	97.553		0.906
25	1	98.929	98.684		-0.245
25	2	97.009	96.711		-0.298
25	3	100.337	99.820		-0.517
25	4	96.663	96.220		-0.443
25	5	99.600	99.369		-0.231
20	6	97.306	96.883		-0.423
20	7	97.068	96.463		-0.605
20	8	97.984	97.337		-0.647
20	9	98.343	97.941		-0.402
20	10	96.681	96.136		-0.545
35	11	97.633	97.026		-0.607
35	12	98.171	97.586		-0.585
35	13	98.045	96.793		-1.252
35	14	97.159	96.089		-1.070
35	15	97.335	96.541		-0.794
30	16	97.353	96.315		-1.038
30	17	100.364	99.650		-0.714
30	18	99.773	98.538		-1.235
30	19	100.322	99.466		-0.856
30	20	99.207	98.204		-1.003
55	21	98.680	96.949		-1.731
55	22	100.044	98.323		-1.721
55	23	97.051	95.315		-1.736
55	24	97.921	96.296		-1.625
55	25	95.982	94.357		-1.625
55	26	97.488	96.111		-1.377
55	27	97.479	95.779		-1.700
55	28	101.377	99.898		-1.479
55	29	98.445	97.574		-0.871
55	30	98.987	97.730		-1.257
55	31	98.502	96.969		-1.533
55	32	98.322	96.359		-1.963
55	33	99.103	97.231		-1.872
55	34	96.160	94.844		-1.316
55	35	96.127	94.721		-1.406
55	36	99.538	97.853		-1.685
55	37	98.243	97.071		-1.172
55	38	97.962	96.564		-1.398
55	39	99.095	97.807		-1.288
55	40	99.317	97.153		-2.164
55	41	99.194	97.352		-1.842
55	42	98.560	97.323		-1.237
50	43	98.364	96.088		-2.276
50	44	98.164	96.078		-2.086
50	45	99.075	96.458		-2.617
50	46	99.998	97.536		-2.462
50	47	94.786	92.289		-2.497
	Max	101.377	99.898		0.906
	Average	98.248	97.028		-1.220
	Min	94.786	92.289		-2.617
	Std Dev	1.345	1.447		0.707



13.71_SPA_DT_100ns_1M_5V	
Test Site	
Tester	
Test Number	
Max Limit	110 ns
Min Limit	85 ns

krad(Si)	0	20	25	30	35	50	55
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	97.553	96.136	96.220	96.315	96.089	92.289	94.357
Average	97.553	96.952	98.161	98.435	96.807	95.690	96.799
Max	97.553	97.941	99.820	99.650	97.586	97.536	99.898
UL	110.000	110.000	110.000	110.000	110.000	110.000	110.000



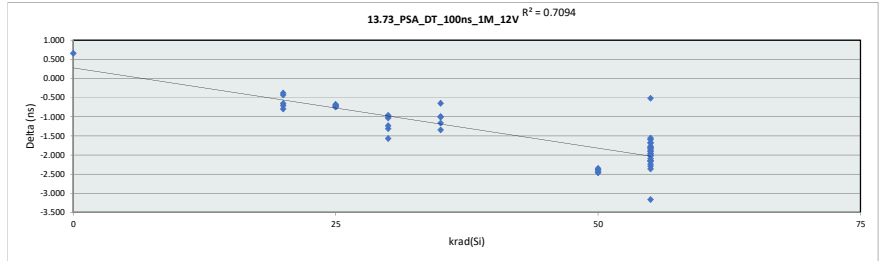
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

13.73_PSA_DT_100ns_1M_12V

Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	110	110
Min Limit	85	85

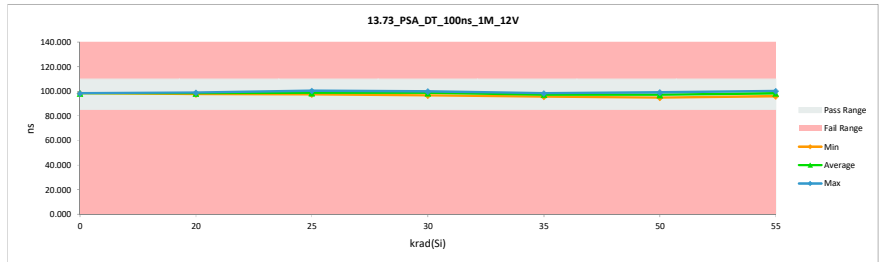
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	97.847	98.516		0.669
25	1	98.864	98.137		-0.727
25	2	98.595	97.858		-0.737
25	3	101.240	100.532		-0.708
25	4	98.277	97.611		-0.666
25	5	100.913	100.214		-0.699
20	6	98.131	97.711		-0.420
20	7	99.744	99.046		-0.698
20	8	99.378	98.592		-0.786
20	9	99.663	99.021		-0.642
20	10	98.566	98.195		-0.371
35	11	97.152	96.513		-0.639
35	12	99.448	98.462		-0.986
35	13	98.828	97.493		-1.335
35	14	96.890	95.736		-1.154
35	15	99.341	98.342		-0.999
30	16	99.137	98.182		-0.955
30	17	101.318	100.016		-1.302
30	18	97.768	96.748		-1.020
30	19	100.889	99.666		-1.223
30	20	100.767	99.207		-1.560
55	21	100.696	98.910		-1.786
55	22	100.962	98.828		-2.134
55	23	97.708	96.162		-1.546
55	24	99.718	97.726		-1.992
55	25	98.990	96.838		-2.152
55	26	97.830	96.068		-1.762
55	27	100.361	98.006		-2.355
55	28	100.434	98.427		-2.007
55	29	100.577	98.773		-1.804
55	30	102.250	100.357		-1.893
55	31	101.240	99.437		-1.803
55	32	99.716	97.436		-2.280
55	33	101.112	99.433		-1.679
55	34	98.300	96.638		-1.662
55	35	99.951	97.868		-2.083
55	36	101.288	99.060		-2.228
55	37	101.676	100.096		-1.580
55	38	101.765	99.875		-1.890
55	39	101.394	98.242		-3.152
55	40	100.260	99.755		-0.505
55	41	100.070	98.122		-1.948
55	42	99.163	97.319		-1.844
50	43	99.605	97.264		-2.341
50	44	99.906	97.540		-2.366
50	45	99.666	97.208		-2.458
50	46	101.540	99.160		-2.380
50	47	97.391	94.965		-2.426
Max		102.250	100.532		0.669
Average		99.715	98.236		-1.479
Min		96.890	94.965		-3.152
Std Dev		1.367	1.278		0.751



13.73_PSA_DT_100ns_1M_12V

Test Site		
Tester		
Test Number		
Max Limit	110	ns
Min Limit	85	ns

krad(Si)	0	20	25	30	35	50	55
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	98.516	97.711	97.611	96.748	95.736	94.965	96.068
Average	98.516	98.513	98.870	98.764	97.309	97.227	98.335
Max	98.516	99.046	100.532	100.016	98.462	99.160	100.357
UL	110.000	110.000	110.000	110.000	110.000	110.000	110.000



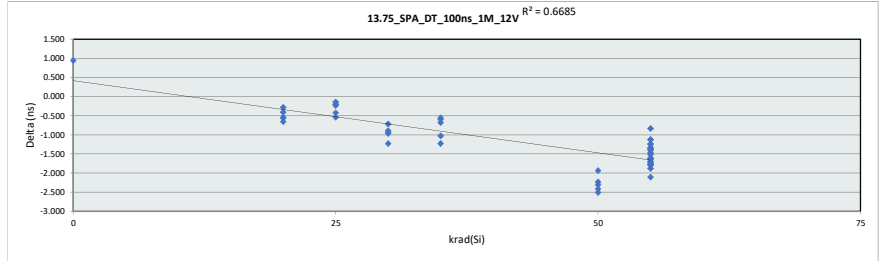
**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

13.75_SPA_DT_100ns_1M_12V

Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	110	110
Min Limit	85	85

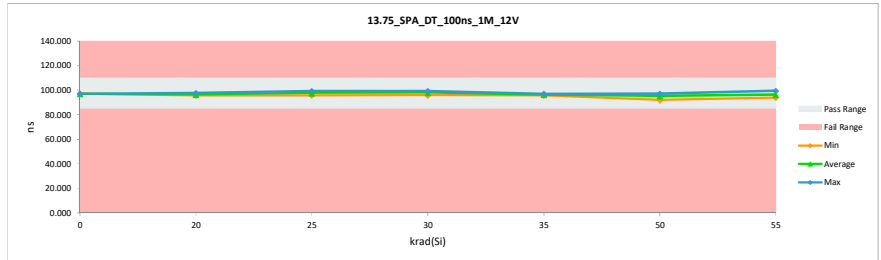
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	96.268	97.219		0.951
25	1	98.603	98.376		-0.227
25	2	96.688	96.555		-0.133
25	3	99.952	99.420		-0.532
25	4	96.294	95.879		-0.415
25	5	99.190	99.000		-0.190
20	6	96.954	96.552		-0.402
20	7	96.704	96.148		-0.556
20	8	97.612	96.963		-0.649
20	9	97.986	97.711		-0.275
20	10	96.318	95.782		-0.536
35	11	97.263	96.715		-0.548
35	12	97.746	97.159		-0.587
35	13	97.634	96.415		-1.219
35	14	96.850	95.830		-1.020
35	15	96.986	96.312		-0.674
30	16	97.016	96.059		-0.957
30	17	100.022	99.313		-0.709
30	18	99.443	98.222		-1.221
30	19	100.017	99.130		-0.887
30	20	98.811	97.873		-0.938
55	21	98.303	96.598		-1.705
55	22	99.767	98.017		-1.750
55	23	96.611	95.008		-1.603
55	24	97.584	95.983		-1.601
55	25	95.620	94.113		-1.507
55	26	97.157	95.793		-1.364
55	27	97.115	95.482		-1.633
55	28	100.957	99.575		-1.382
55	29	98.117	97.290		-0.827
55	30	98.614	97.496		-1.118
55	31	98.163	96.707		-1.456
55	32	97.948	96.073		-1.875
55	33	98.735	96.955		-1.780
55	34	95.749	94.506		-1.243
55	35	95.845	94.460		-1.385
55	36	99.212	97.520		-1.692
55	37	97.867	96.753		-1.114
55	38	97.684	96.348		-1.336
55	39	98.710	97.383		-1.327
55	40	98.898	96.799		-2.099
55	41	98.832	97.049		-1.783
55	42	98.176	96.951		-1.225
50	43	98.066	95.839		-2.227
50	44	97.781	95.852		-1.929
50	45	98.730	96.230		-2.500
50	46	99.648	97.240		-2.408
50	47	94.417	92.118		-2.299
Max		100.957	99.575		0.951
Average		97.889	96.724		-1.164
Min		94.417	92.118		-2.500
Std Dev		1.345	1.420		0.693



13.75_SPA_DT_100ns_1M_12V

Test Site		
Tester		
Test Number		
Max Limit	110	ns
Min Limit	85	ns

krad(Si)	0	20	25	30	35	50	55
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	97.219	95.782	95.879	96.059	95.830	92.118	94.113
Average	97.219	96.631	97.846	98.119	96.486	95.456	96.494
Max	97.219	97.711	99.420	99.313	97.159	97.240	99.575
UL	110.000	110.000	110.000	110.000	110.000	110.000	110.000



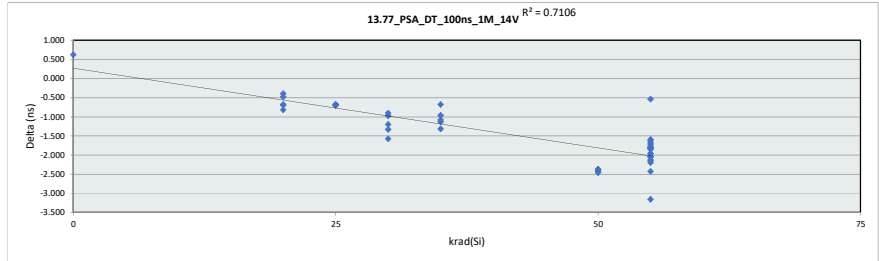
HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

13.77_PSA_DT_100ns_1M_14V

Test Site		
Tester		
Test Number		
Unit	ns	ns
Max Limit	110	110
Min Limit	85	85

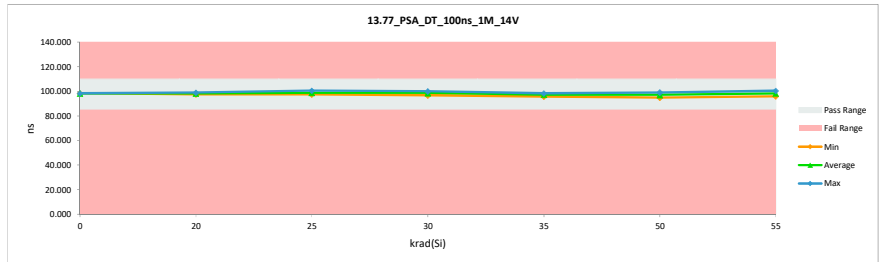
krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	97.856	98.486		0.630
25	1	98.836	98.154		-0.682
25	2	98.573	97.877		-0.696
25	3	101.237	100.575		-0.662
25	4	98.261	97.570		-0.691
25	5	100.906	100.216		-0.690
20	6	98.120	97.650		-0.470
20	7	99.725	99.035		-0.690
20	8	99.353	98.542		-0.811
20	9	99.649	98.979		-0.670
20	10	98.575	98.189		-0.386
35	11	97.132	96.462		-0.670
35	12	99.416	98.458		-0.958
35	13	98.820	97.510		-1.310
35	14	96.883	95.760		-1.123
35	15	99.358	98.287		-1.071
30	16	99.132	98.235		-0.897
30	17	101.325	100.000		-1.325
30	18	97.758	96.792		-0.966
30	19	100.869	99.677		-1.192
30	20	100.776	99.207		-1.569
55	21	100.668	98.856		-1.812
55	22	100.944	98.823		-2.121
55	23	97.716	96.130		-1.586
55	24	99.711	97.755		-1.956
55	25	98.994	96.850		-2.144
55	26	97.834	96.050		-1.784
55	27	100.356	97.938		-2.418
55	28	100.463	98.428		-2.035
55	29	100.577	98.776		-1.801
55	30	102.234	100.452		-1.782
55	31	101.235	99.445		-1.790
55	32	99.678	97.641		-2.037
55	33	101.093	99.375		-1.718
55	34	98.286	96.612		-1.674
55	35	99.935	97.900		-2.035
55	36	101.275	99.083		-2.192
55	37	101.676	100.061		-1.615
55	38	101.743	99.899		-1.844
55	39	101.396	98.244		-3.152
55	40	100.245	99.714		-0.531
55	41	100.061	98.107		-1.954
55	42	99.139	97.324		-1.815
50	43	99.607	97.242		-2.365
50	44	99.907	97.540		-2.367
50	45	99.642	97.189		-2.453
50	46	101.531	99.143		-2.388
50	47	97.379	94.968		-2.411
Max		102.234	100.575		0.630
Average		99.706	98.233		-1.472
Min		96.883	94.968		-3.152
Std Dev		1.367	1.279		0.743



13.77_PSA_DT_100ns_1M_14V

Test Site		
Tester		
Test Number		
Max Limit	110	ns
Min Limit	85	ns

krad(Si)	0	20	25	30	35	50	55
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	98.486	97.650	97.570	96.792	95.760	94.968	96.050
Average	98.486	98.479	98.878	98.782	97.295	97.216	98.339
Max	98.486	99.035	100.575	100.000	98.458	99.143	100.452
UL	110.000	110.000	110.000	110.000	110.000	110.000	110.000

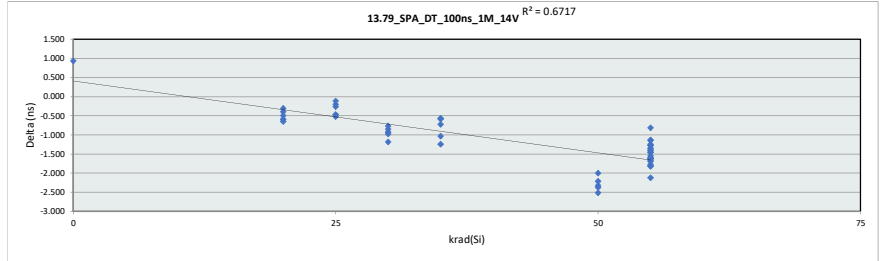


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

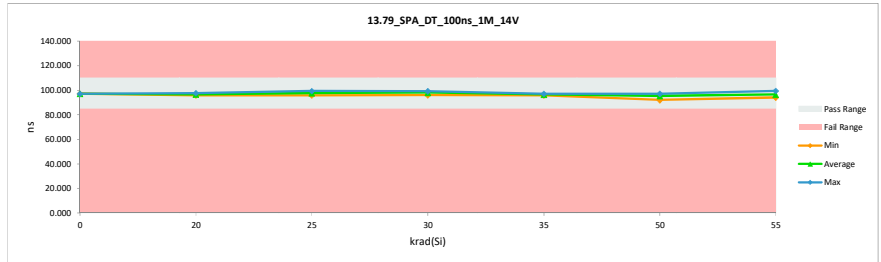
13.79_SPA_DT_100ns_1M_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	110 110
Min Limit	85 85

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	96.279	97.221		0.942
25	1	98.605	98.348		-0.257
25	2	96.682	96.488		-0.194
25	3	99.935	99.421		-0.514
25	4	96.299	95.839		-0.460
25	5	99.176	99.070		-0.106
20	6	96.941	96.552		-0.389
20	7	96.704	96.122		-0.582
20	8	97.575	96.934		-0.641
20	9	97.989	97.690		-0.299
20	10	96.304	95.816		-0.488
35	11	97.263	96.704		-0.559
35	12	97.731	97.151		-0.580
35	13	97.635	96.400		-1.235
35	14	96.829	95.805		-1.024
35	15	96.985	96.270		-0.715
30	16	97.016	96.047		-0.969
30	17	100.005	99.246		-0.759
30	18	99.429	98.251		-1.178
30	19	100.007	99.165		-0.842
30	20	98.783	97.866		-0.917
55	21	98.288	96.630		-1.658
55	22	99.746	98.054		-1.692
55	23	96.608	95.017		-1.591
55	24	97.583	95.971		-1.612
55	25	95.618	94.077		-1.541
55	26	97.140	95.744		-1.396
55	27	97.119	95.497		-1.622
55	28	100.926	99.534		-1.392
55	29	98.100	97.292		-0.808
55	30	98.597	97.469		-1.128
55	31	98.129	96.678		-1.451
55	32	97.928	96.115		-1.813
55	33	98.740	96.971		-1.769
55	34	95.751	94.511		-1.240
55	35	95.839	94.392		-1.447
55	36	99.223	97.619		-1.604
55	37	97.843	96.711		-1.132
55	38	97.679	96.331		-1.348
55	39	98.675	97.398		-1.277
55	40	98.889	96.772		-2.117
55	41	98.816	97.014		-1.802
55	42	98.191	96.927		-1.264
50	43	98.076	95.868		-2.208
50	44	97.753	95.760		-1.993
50	45	98.727	96.222		-2.505
50	46	99.616	97.251		-2.365
50	47	94.403	92.084		-2.319
	Max	100.926	99.534		0.942
	Average	97.879	96.715		-1.164
	Min	94.403	92.084		-2.505
	Std Dev	1.340	1.429		0.689



13.79_SPA_DT_100ns_1M_14V	
Test Site	
Tester	
Test Number	
Max Limit	110 ns
Min Limit	85 ns

krad(Si)	0	20	25	30	35	50	55
LL	85.000	85.000	85.000	85.000	85.000	85.000	85.000
Min	97.221	95.816	95.839	96.047	95.805	92.084	94.077
Average	97.221	96.623	97.833	98.115	96.466	95.437	96.487
Max	97.221	97.690	99.421	99.246	97.151	97.251	99.534
UL	110.000	110.000	110.000	110.000	110.000	110.000	110.000

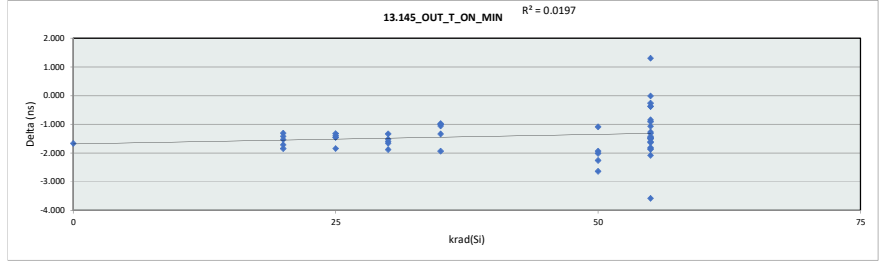


HDR TID Report TPS7H5006-SEP

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

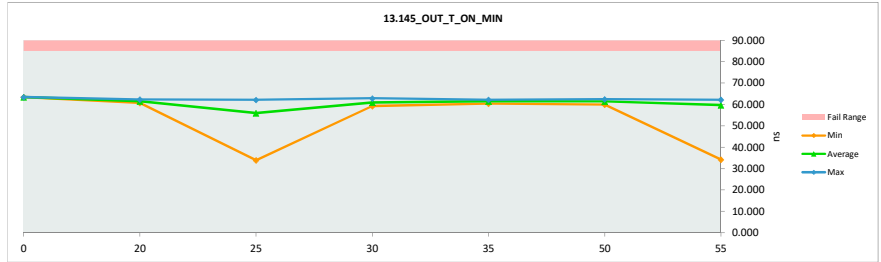
13.145_OUT_T_ON_MIN	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	85 85
Min Limit	

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	HD	Delta
0	48	65.139	63.483		-1.656
25	1	63.222	61.394		-1.828
25	2	62.588	61.204		-1.384
25	3	62.555	61.116		-1.439
25	4	63.619	62.173		-1.446
25	5	35.232	33.921		-1.311
20	6	64.196	62.363		-1.833
20	7	63.304	61.600		-1.704
20	8	62.691	61.394		-1.297
20	9	63.007	61.493		-1.514
20	10	62.141	60.733		-1.408
35	11	61.364	60.376		-0.988
35	12	63.318	61.991		-1.327
35	13	63.188	62.226		-0.962
35	14	61.984	60.939		-1.045
35	15	63.859	61.935		-1.924
30	16	60.905	59.258		-1.647
30	17	62.116	60.610		-1.506
30	18	63.370	61.500		-1.870
30	19	64.512	62.927		-1.585
30	20	61.670	60.349		-1.321
55	21	62.801	60.730		-2.071
55	22	61.152	60.792		-0.360
55	23	62.441	62.073		-0.368
55	24	62.597	60.972		-1.625
55	25	62.965	61.124		-1.841
55	26	62.193	61.945		-0.248
55	27	62.735	61.481		-1.254
55	28	61.760	59.963		-1.797
55	29	61.633	60.225		-1.408
55	30	60.570	59.737		-0.833
55	31	63.062	61.764		-1.298
55	32	62.866	61.811		-1.055
55	33	35.681	34.229		-1.452
55	34	61.367	61.368		0.001
55	35	62.770	61.873		-0.897
55	36	61.789	60.292		-1.497
55	37	61.869	60.404		-1.465
55	38	61.581	59.723		-1.858
55	39	63.344	59.778		-3.566
55	40	60.913	62.227		1.314
55	41	63.198	61.715		-1.483
55	42	61.529	59.927		-1.602
50	43	64.456	62.531		-1.925
50	44	63.510	61.508		-2.002
50	45	62.579	59.955		-2.624
50	46	62.148	61.073		-1.075
50	47	64.420	62.171		-2.249
Max		65.139	63.483		1.314
Average		61.498	60.091		-1.407
Min		35.232	33.921		-3.566
Std Dev		5.582	5.558		0.714



13.145_OUT_T_ON_MIN	
Test Site	
Tester	
Test Number	
Max Limit	85 ns
Min Limit	ns

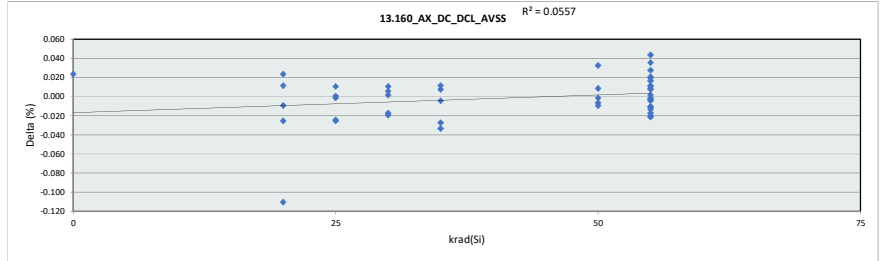
krad(Si)	0	20	25	30	35	50	55
LL							
Min	63.483	60.733	33.921	59.258	60.376	59.955	34.229
Average	63.483	61.517	55.962	60.929	61.493	61.448	59.734
Max	63.483	62.363	62.173	62.927	62.226	62.531	62.227
UL	85.000	85.000	85.000	85.000	85.000	85.000	85.000



**HDR TID Report
TPS7H5006-SEP**

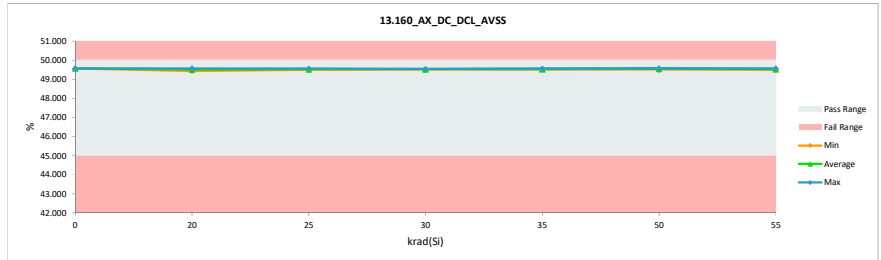
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

13.160_AX_DC_DCL_AVSS	
Test Site	
Tester	
Test Number	
Unit	% %
Max Limit	50 50
Min Limit	45 45



krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	49.547	49.571	0.024
25	1	49.532	49.507	-0.025
25	2	49.567	49.568	0.001
25	3	49.535	49.511	-0.024
25	4	49.557	49.556	-0.001
25	5	49.539	49.550	0.011
20	6	49.538	49.529	-0.009
20	7	49.539	49.563	0.024
20	8	49.559	49.571	0.012
20	9	49.553	49.528	-0.025
20	10	49.555	49.445	-0.110
35	11	49.558	49.566	0.008
35	12	49.544	49.556	0.012
35	13	49.540	49.536	-0.004
35	14	49.564	49.531	-0.033
35	15	49.552	49.525	-0.027
30	16	49.544	49.546	0.002
30	17	49.539	49.522	-0.017
30	18	49.533	49.514	-0.019
30	19	49.532	49.538	0.006
30	20	49.533	49.544	0.011
55	21	49.534	49.536	0.002
55	22	49.529	49.540	0.011
55	23	49.528	49.518	-0.010
55	24	49.549	49.545	-0.004
55	25	49.556	49.564	0.008
55	26	49.530	49.551	0.021
55	27	49.559	49.556	-0.003
55	28	49.525	49.545	0.020
55	29	49.579	49.568	-0.011
55	30	49.528	49.540	0.012
55	31	49.522	49.505	-0.017
55	32	49.546	49.536	-0.010
55	33	49.530	49.547	0.017
55	34	49.534	49.514	-0.020
55	35	49.551	49.530	-0.021
55	36	49.546	49.545	-0.001
55	37	49.545	49.543	-0.002
55	38	49.530	49.566	0.036
55	39	49.528	49.572	0.044
55	40	49.542	49.570	0.028
55	41	49.530	49.517	-0.013
55	42	49.554	49.563	0.009
50	43	49.553	49.562	0.009
50	44	49.544	49.577	0.033
50	45	49.568	49.559	-0.009
50	46	49.517	49.516	-0.001
50	47	49.583	49.577	-0.006
Max		49.583	49.577	0.044
Average		49.544	49.542	-0.001
Min		49.517	49.445	-0.110
Std Dev		0.015	0.025	0.024

13.160_AX_DC_DCL_AVSS							
Test Site							
Tester							
Test Number							
Max Limit	50						%
Min Limit	45						%
krad(Si)	0	20	25	30	35	50	55
LL	45.000	45.000	45.000	45.000	45.000	45.000	45.000
Min	49.571	49.445	49.507	49.514	49.525	49.516	49.505
Average	49.571	49.527	49.538	49.533	49.543	49.558	49.544
Max	49.571	49.571	49.568	49.546	49.566	49.577	49.572
UL	50.000	50.000	50.000	50.000	50.000	50.000	50.000

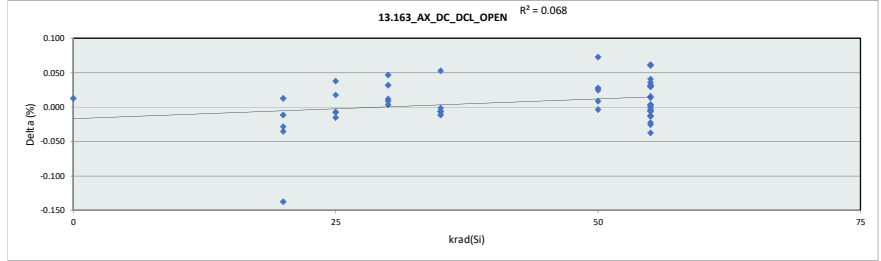


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

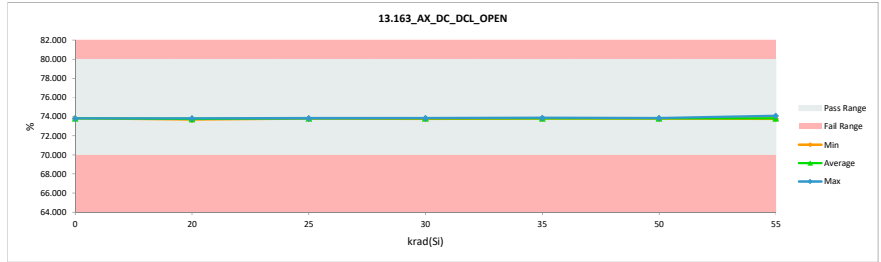
13.163_AX_DC_DCL_OPEN	
Test Site	
Tester	
Test Number	
Unit	% %
Max Limit	80 80
Min Limit	70 70

krad(Si)	Serial #	006_SEP_Pre	HD006_SEP_Post	Delta
0	48	73.815	73.828	0.013
25	1	73.814	73.832	0.018
25	2	73.838	73.831	-0.007
25	3	73.824	73.817	-0.007
25	4	73.825	73.810	-0.015
25	5	73.804	73.842	0.038
20	6	73.790	73.755	-0.035
20	7	73.837	73.809	-0.028
20	8	73.819	73.808	-0.011
20	9	73.815	73.828	0.013
20	10	73.826	73.689	-0.137
35	11	73.812	73.806	-0.006
35	12	73.823	73.812	-0.011
35	13	73.814	73.808	-0.006
35	14	73.830	73.883	0.053
35	15	73.837	73.836	-0.001
30	16	73.822	73.854	0.032
30	17	73.800	73.809	0.009
30	18	73.811	73.858	0.047
30	19	73.794	73.798	0.004
30	20	73.772	73.784	0.012
55	21	73.809	73.809	0.000
55	22	73.806	73.784	-0.022
55	23	73.805	73.846	0.041
55	24	73.799	73.787	-0.012
55	25	73.829	73.859	0.030
55	26	73.811	73.841	0.030
55	27	73.797	73.800	0.003
55	28	73.793	73.787	-0.006
55	29	74.056	74.088	0.032
55	30	73.802	73.806	0.004
55	31	73.792	73.854	0.062
55	32	73.811	73.842	0.031
55	33	73.816	73.779	-0.037
55	34	73.802	73.863	0.061
55	35	73.823	73.818	-0.005
55	36	73.811	73.808	-0.003
55	37	73.808	73.811	0.003
55	38	73.788	73.824	0.036
55	39	73.798	73.812	0.014
55	40	73.811	73.798	-0.013
55	41	73.800	73.816	0.016
55	42	73.836	73.811	-0.025
50	43	73.806	73.815	0.009
50	44	73.821	73.846	0.025
50	45	73.733	73.806	0.073
50	46	73.786	73.814	0.028
50	47	73.866	73.863	-0.003
Max		74.056	74.088	0.073
Average		73.815	73.823	0.007
Min		73.733	73.689	-0.137
Std Dev		0.041	0.050	0.033



13.163_AX_DC_DCL_OPEN	
Test Site	
Tester	
Test Number	
Max Limit	80 %
Min Limit	70 %

krad(Si)	0	20	25	30	35	50	55
LL	70.000	70.000	70.000	70.000	70.000	70.000	70.000
Min	73.828	73.689	73.810	73.784	73.806	73.806	73.779
Average	73.828	73.778	73.826	73.821	73.829	73.829	73.829
Max	73.828	73.828	73.842	73.858	73.883	73.863	74.088
UL	80.000	80.000	80.000	80.000	80.000	80.000	80.000

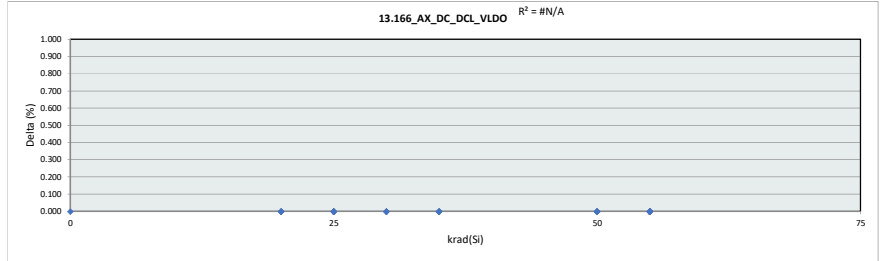


**HDR TID Report
TPS7H5006-SEP**

krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

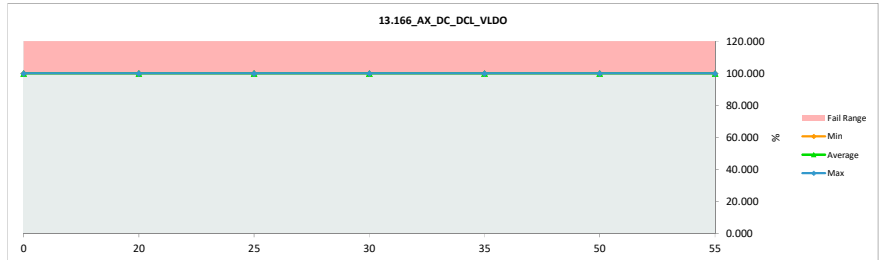
13.166_AX_DC_DCL_VLDO		
Test Site		
Tester		
Test Number		
Unit	%	%
Max Limit	100	100
Min Limit		

krad(Si)	Serial #	006_SEP_Pre_HD	006_SEP_Post_HD	Delta
0	48	100.000	100.000	0.000
25	1	100.000	100.000	0.000
25	2	100.000	100.000	0.000
25	3	100.000	100.000	0.000
25	4	100.000	100.000	0.000
25	5	100.000	100.000	0.000
20	6	100.000	100.000	0.000
20	7	100.000	100.000	0.000
20	8	100.000	100.000	0.000
20	9	100.000	100.000	0.000
20	10	100.000	100.000	0.000
35	11	100.000	100.000	0.000
35	12	100.000	100.000	0.000
35	13	100.000	100.000	0.000
35	14	100.000	100.000	0.000
35	15	100.000	100.000	0.000
30	16	100.000	100.000	0.000
30	17	100.000	100.000	0.000
30	18	100.000	100.000	0.000
30	19	100.000	100.000	0.000
30	20	100.000	100.000	0.000
55	21	100.000	100.000	0.000
55	22	100.000	100.000	0.000
55	23	100.000	100.000	0.000
55	24	100.000	100.000	0.000
55	25	100.000	100.000	0.000
55	26	100.000	100.000	0.000
55	27	100.000	100.000	0.000
55	28	100.000	100.000	0.000
55	29	100.000	100.000	0.000
55	30	100.000	100.000	0.000
55	31	100.000	100.000	0.000
55	32	100.000	100.000	0.000
55	33	100.000	100.000	0.000
55	34	100.000	100.000	0.000
55	35	100.000	100.000	0.000
55	36	100.000	100.000	0.000
55	37	100.000	100.000	0.000
55	38	100.000	100.000	0.000
55	39	100.000	100.000	0.000
55	40	100.000	100.000	0.000
55	41	100.000	100.000	0.000
55	42	100.000	100.000	0.000
50	43	100.000	100.000	0.000
50	44	100.000	100.000	0.000
50	45	100.000	100.000	0.000
50	46	100.000	100.000	0.000
50	47	100.000	100.000	0.000
Max		100.000	100.000	0.000
Average		100.000	100.000	0.000
Min		100.000	100.000	0.000
Std Dev		0.000	0.000	0.000



13.166_AX_DC_DCL_VLDO		
Test Site		
Tester		
Test Number		
Max Limit	100	%
Min Limit		%

krad(Si)	0	20	25	30	35	50	55
LL							
Min	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Average	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Max	100.000	100.000	100.000	100.000	100.000	100.000	100.000
UL	100.000	100.000	100.000	100.000	100.000	100.000	100.000



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