



ABSTRACT

This report discusses the results of the total ionizing dose (TID) testing for TPS7H5007-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).

Table of Contents

1 Device Information	2
1.1 Product Description.....	2
1.2 Device Details.....	2
2 Total Dose Test Setup	3
2.1 Test Overview.....	3
2.2 Test Description and Facilities.....	3
2.3 Test Setup Details.....	3
2.4 Test Configuration and Condition.....	4
3 TI Characterization Test Results	5
3.1 TID Characterization Summary Results.....	5
3.2 Specification Compliance Matrix.....	6
4 Applicable and Reference Documents	9
4.1 Applicable Documents.....	9
4.2 Reference Documents.....	9
5 Revision History	9
A Appendix: Specifications Requiring Clarification	10
B Appendix: HDR TID Report Data	12

List of Figures

Figure 1-1. TPS7H5007-SEP Device Photo.....	2
Figure 2-1. Bias Diagram Used in TID Exposure.....	3

List of Tables

Table 1-1. Device and Exposure Details.....	2
Table 2-1. HDR: 20-krad(Si) to 50-krad(Si)/s Biased Device Information.....	4
Table 2-2. HDR: 20-krad(Si) to 50-krad(Si)/s Unbiased Device Information.....	4
Table 3-1. TPS7H5007-SEP Electrical Parameters Table.....	6
Table A-1. Specifications Requiring Clarification - Set #1.....	10
Table A-2. Specifications Requiring Clarification - Set #2.....	10
Table A-3. Specifications Requiring Clarification - Set #3.....	10
Table A-4. Specifications Requiring Clarification - Set #4.....	11

Trademarks

All trademarks are the property of their respective owners.

1 Device Information

1.1 Product Description

The TPS7H5007-SEP is a single output radiation-tolerant PWM controller that contains an integrated synchronous rectification output, optimized for DC-DC converters in space applications. The dead time and leading edge blank time are fixed at 50 ns for this device. 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 0.613-V \pm 1% accurate internal reference allows design of high-current buck converters for FPGA core voltages.

The TPS7H5007-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 TPS7H5007-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	TPS7H5007-SEP
TI Part Name	TPS7H5007MPWTSEP
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

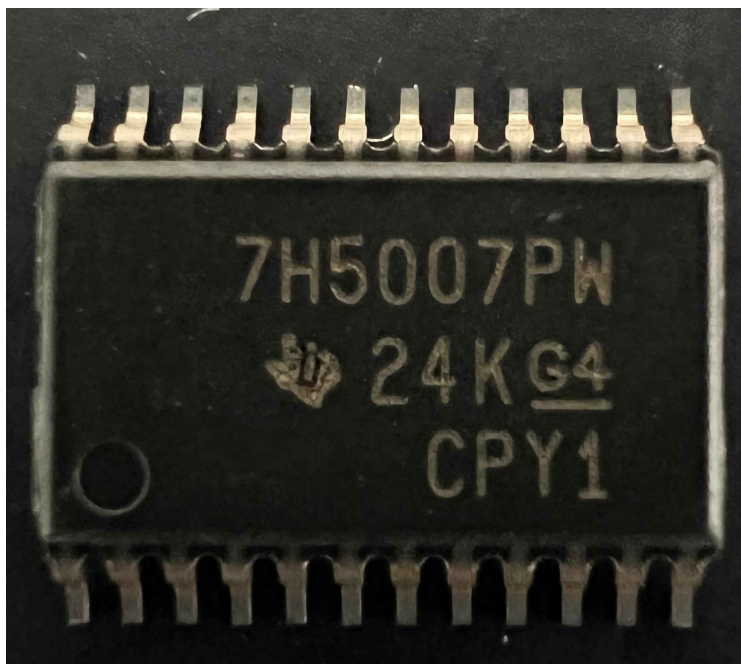


Figure 1-1. TPS7H5007-SEP Device Photo

2 Total Dose Test Setup

2.1 Test Overview

The TPS7H5007-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 TPS7H5007-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.

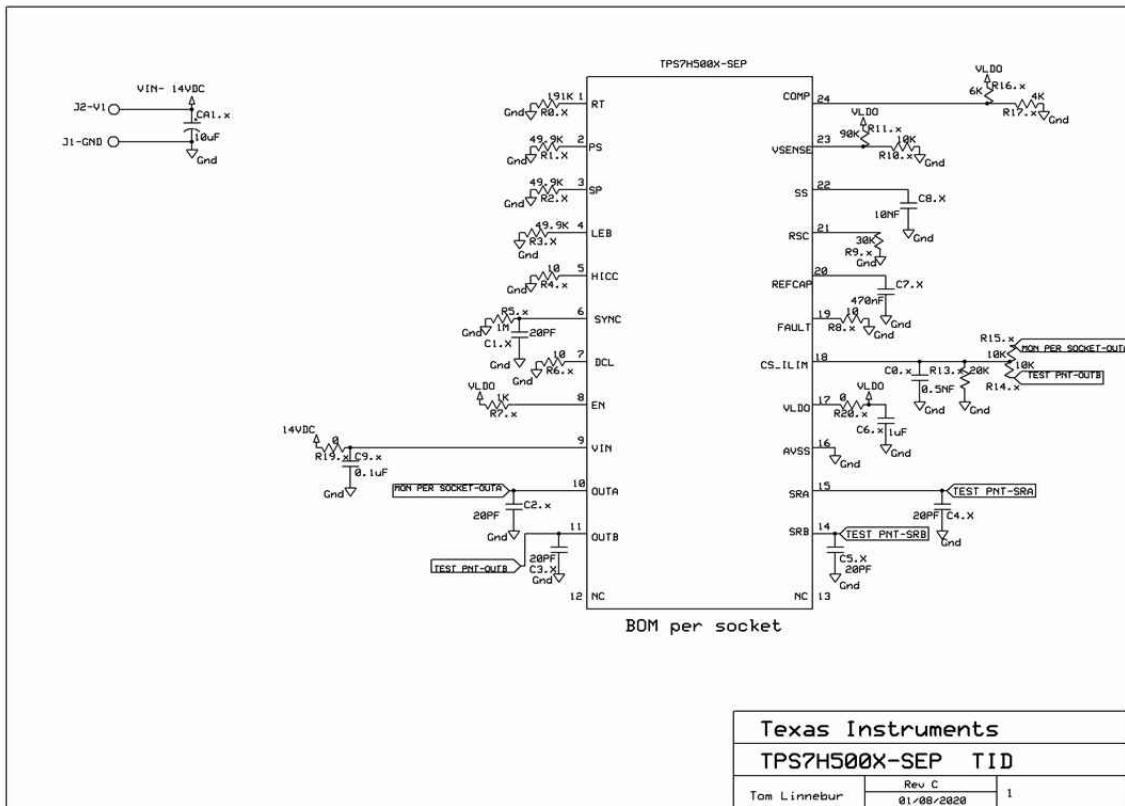


Figure 2-1. Bias Diagram Used in TID Exposure

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 TI Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the TPS7H5007-SEP passes up to 50-krad(Si) HDR TID irradiation. The drifts of electrical parameters through HDR were within the data sheet limits.

Overall, the TPS7H5007-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 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. TPS7H5007-SEP Electrical Parameters Table

PARAMETER	TEST CONDITION	TPS7H5007-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} = 100pF 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} = 100pF 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} = 100pF 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} ≤ 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 = 5V		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. TPS7H5007-SEP Electrical Parameters Table (continued)

PARAMETER	TEST CONDITION	TPS7H5007-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. TPS7H5007-SEP Electrical Parameters Table (continued)

PARAMETER	TEST CONDITION	TPS7H5007-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 HICCUF						
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	5 V ≤ VIN ≤ 14 V			115	ns	13.145 __OUT_T_ON_MIN
TD _{PS} Primary off to secondary on dead time	5 V ≤ VIN ≤ 14 V, 90% of OUTx falling to 10% of SRx rising, OUTx and SRx floating	40	50	60	ns	13.53 __PSA_DT_50ns_1M_5V, 13.57 __PSA_DT_50ns_1M_12V, 13.61 __PSA_DT_50ns_1M_14V,
TD _{SP} Secondary off to primary on dead time	5 V ≤ VIN ≤ 14 V, 90% of SRx falling to 10% of OUTx rising edge, OUTx and SRx floating	40	50	60	ns	13.55 __SPA_DT_50ns_1M_5V, 13.59 __SPA_DT_50ns_1M_12V, 13.63 __SPA_DT_50ns_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 PTPS7H5007MPWSEP to TPS7H5007MPWTSEP.....	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	TPS7H5007-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	TPS7H5007-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	TPS7H5007-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	TPS7H5007-SEP DATA SHEET			
		MIN	TYP	MAX	UNIT
PRIMARY AND SYNCHRONOUS RECTIFIER OUTPUTS					
Low-level threshold	$I_{SINK} = 10 \text{ mA}$		0.5		V
High-level threshold	$I_{SOURCE} = 10 \text{ mA}$		4.5		V
R_{SRC_P} Output source resistance	$I_{OUT} = 20 \text{ mA}$		15		Ω
R_{SINK_P} Output sink resistance	$I_{OUT} = 20 \text{ mA}$		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	TPS7H5007-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
TPS7H5007-SEP**

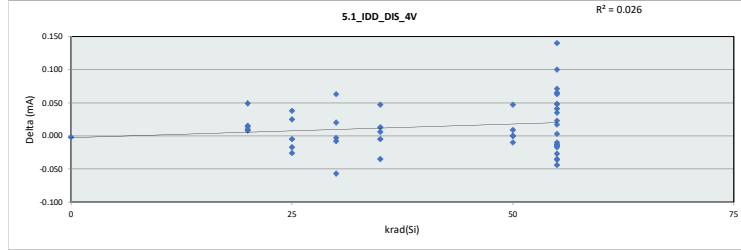
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

**HDR TID Report
TPS7H5007-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

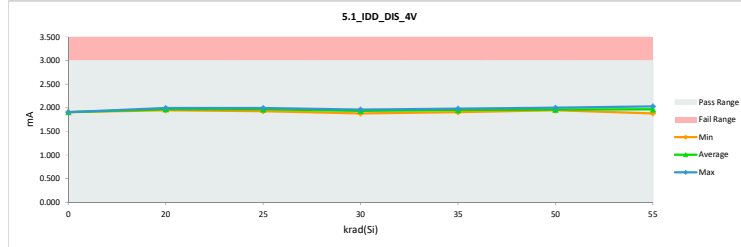
5.1_IDD_DIS_4V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	3
Min Limit	0

krad(Si)	Serial #	i007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1.911	1.909	-0.002
25	1	1.931	1.969	0.038
25	2	1.949	1.932	-0.017
25	3	1.986	1.960	-0.026
25	4	1.969	1.994	0.025
25	5	1.989	1.984	-0.005
20	6	1.984	1.992	0.008
20	7	1.943	1.992	0.049
20	8	1.948	1.963	0.015
20	9	1.943	1.953	0.010
20	10	1.935	1.949	0.014
35	11	1.902	1.949	0.047
35	12	1.946	1.911	-0.035
35	13	1.953	1.948	-0.005
35	14	1.966	1.972	0.006
35	15	1.968	1.981	0.013
30	16	1.900	1.963	0.063
30	17	1.938	1.881	-0.057
30	18	1.934	1.954	0.020
30	19	1.931	1.928	-0.003
30	20	1.945	1.937	-0.008
55	21	1.966	1.983	0.017
55	22	1.925	1.990	0.065
55	23	1.917	1.952	0.035
55	24	1.949	1.934	-0.015
55	25	1.980	1.983	0.003
55	26	1.882	1.982	0.100
55	27	1.956	1.921	-0.035
55	28	1.833	1.973	0.140
55	29	1.908	1.881	-0.027
55	30	1.963	1.927	-0.036
55	31	1.927	1.990	0.063
55	32	1.933	1.956	0.023
55	33	1.916	1.964	0.048
55	34	1.972	1.928	-0.044
55	35	1.914	1.979	0.065
55	36	1.958	1.948	-0.010
55	37	1.999	1.986	-0.013
55	38	2.025	2.008	-0.017
55	39	1.959	2.030	0.071
55	40	1.997	1.984	-0.013
55	41	1.981	2.022	0.041
55	42	1.947	1.995	0.048
50	43	1.925	1.972	0.047
50	44	1.955	1.945	-0.010
50	45	1.953	1.953	0.000
50	46	1.991	2.000	0.009
50	47	1.953	1.953	0.000
	Max	2.025	2.030	0.140
	Average	1.947	1.962	0.015
	Min	1.833	1.881	-0.057
	Std Dev	0.034	0.032	0.039



5.1_IDD_DIS_4V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	3
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	1.909	1.949	1.932	1.881	1.911	1.945	1.881
Average	1.909	1.970	1.968	1.933	1.952	1.965	1.969
Max	1.909	1.992	1.994	1.963	1.981	2.000	2.030
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000

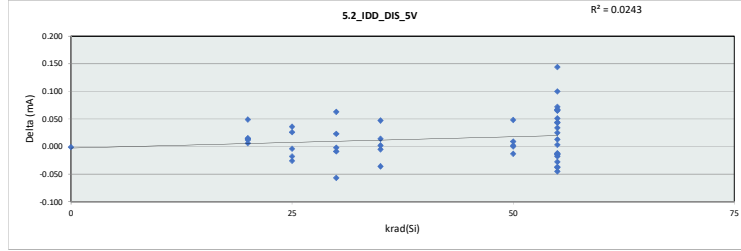


**HDR TID Report
TPS7H5007-SEP**

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

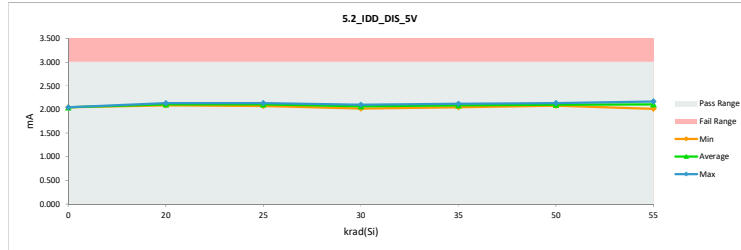
5.2_IDD_DIS_5V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	3 3
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	2.045	2.044		-0.001
25	1	2.073	2.109		0.036
25	2	2.090	2.072		-0.018
25	3	2.126	2.100		-0.026
25	4	2.109	2.135		0.026
25	5	2.128	2.124		-0.004
20	6	2.126	2.132		0.006
20	7	2.082	2.131		0.049
20	8	2.087	2.102		0.015
20	9	2.079	2.091		0.012
20	10	2.072	2.086		0.014
35	11	2.040	2.087		0.047
35	12	2.084	2.048		-0.036
35	13	2.090	2.085		-0.005
35	14	2.106	2.108		0.002
35	15	2.107	2.121		0.014
30	16	2.039	2.102		0.063
30	17	2.076	2.019		-0.057
30	18	2.070	2.093		0.023
30	19	2.065	2.063		-0.002
30	20	2.081	2.072		-0.009
55	21	2.106	2.119		0.013
55	22	2.063	2.130		0.067
55	23	2.054	2.088		0.034
55	24	2.086	2.071		-0.015
55	25	2.119	2.122		0.003
55	26	2.019	2.119		0.100
55	27	2.095	2.058		-0.037
55	28	1.968	2.112		0.144
55	29	2.043	2.015		-0.028
55	30	2.102	2.064		-0.038
55	31	2.064	2.129		0.065
55	32	2.068	2.093		0.025
55	33	2.050	2.101		0.051
55	34	2.111	2.066		-0.045
55	35	2.050	2.116		0.066
55	36	2.096	2.084		-0.012
55	37	2.137	2.124		-0.013
55	38	2.164	2.146		-0.018
55	39	2.098	2.170		0.072
55	40	2.134	2.120		-0.014
55	41	2.116	2.159		0.043
55	42	2.086	2.130		0.044
50	43	2.062	2.110		0.048
50	44	2.094	2.081		-0.013
50	45	2.088	2.090		0.002
50	46	2.127	2.136		0.009
50	47	2.088	2.088		0.000
	Max	2.164	2.170		0.144
	Average	2.085	2.099		0.015
	Min	1.968	2.015		-0.057
	Std Dev	0.034	0.033		0.040



5.2_IDD_DIS_5V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	3 3
Min Limit	0 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	2.044	2.086	2.072	2.019	2.048	2.081	2.015
Average	2.044	2.108	2.108	2.070	2.090	2.101	2.106
Max	2.044	2.132	2.135	2.102	2.121	2.136	2.170
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000

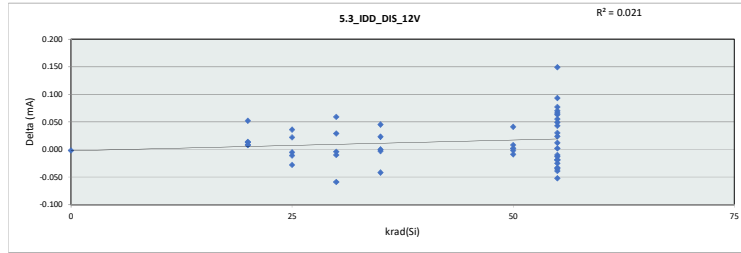


**HDR TID Report
TPS7H5007-SEP**

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

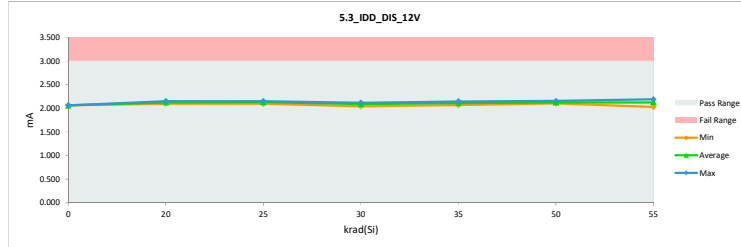
5.3_IDD_DIS_12V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	3
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	2.067	2.065	-0.002
25	1	2.097	2.133	0.036
25	2	2.107	2.096	-0.011
25	3	2.145	2.117	-0.028
25	4	2.131	2.153	0.022
25	5	2.150	2.145	-0.005
20	6	2.145	2.153	0.008
20	7	2.098	2.150	0.052
20	8	2.106	2.119	0.013
20	9	2.095	2.109	0.014
20	10	2.092	2.100	0.008
35	11	2.061	2.106	0.045
35	12	2.111	2.069	-0.042
35	13	2.113	2.113	0.000
35	14	2.134	2.131	-0.003
35	15	2.125	2.148	0.023
30	16	2.061	2.120	0.059
30	17	2.100	2.041	-0.059
30	18	2.088	2.117	0.029
30	19	2.086	2.082	-0.004
30	20	2.102	2.092	-0.010
55	21	2.127	2.139	0.012
55	22	2.084	2.150	0.066
55	23	2.078	2.108	0.030
55	24	2.106	2.093	-0.013
55	25	2.139	2.141	0.002
55	26	2.046	2.139	0.093
55	27	2.115	2.082	-0.033
55	28	1.983	2.132	0.149
55	29	2.065	2.030	-0.035
55	30	2.124	2.085	-0.039
55	31	2.086	2.149	0.063
55	32	2.090	2.114	0.024
55	33	2.068	2.123	0.055
55	34	2.135	2.083	-0.052
55	35	2.071	2.141	0.070
55	36	2.115	2.105	-0.010
55	37	2.160	2.141	-0.019
55	38	2.186	2.167	-0.019
55	39	2.114	2.191	0.077
55	40	2.159	2.134	-0.025
55	41	2.135	2.184	0.049
55	42	2.105	2.148	0.043
50	43	2.088	2.129	0.041
50	44	2.115	2.106	-0.009
50	45	2.109	2.111	0.002
50	46	2.148	2.156	0.008
50	47	2.109	2.107	-0.002
Max		2.186	2.191	0.149
Average		2.106	2.120	0.014
Min		1.983	2.030	-0.059
Std Dev		0.035	0.033	0.041



5.3_IDD_DIS_12V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	3
Min Limit	0

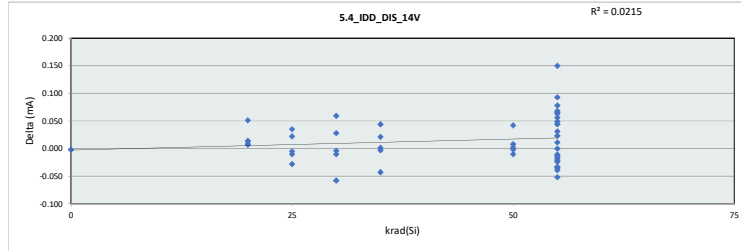
krad(Si)	0	20	25	30	35	50	55
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	2.065	2.100	2.096	2.041	2.069	2.106	2.030
Average	2.065	2.126	2.129	2.090	2.113	2.122	2.126
Max	2.065	2.153	2.153	2.120	2.148	2.156	2.191
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000



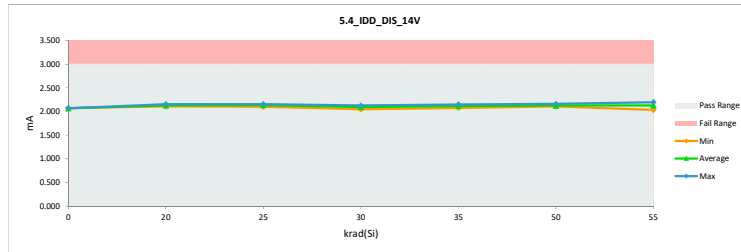
**HDR TID Report
TPS7H5007-SEP**

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				
krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	2.071	2.069	-0.002
25	1	2.102	2.137	0.035
25	2	2.111	2.101	-0.010
25	3	2.149	2.121	-0.028
25	4	2.135	2.157	0.022
25	5	2.155	2.150	-0.005
20	6	2.150	2.157	0.007
20	7	2.103	2.154	0.051
20	8	2.110	2.123	0.013
20	9	2.099	2.113	0.014
20	10	2.096	2.104	0.008
35	11	2.065	2.109	0.044
35	12	2.115	2.072	-0.043
35	13	2.117	2.118	0.001
35	14	2.138	2.135	-0.003
35	15	2.130	2.151	0.021
30	16	2.065	2.124	0.059
30	17	2.104	2.046	-0.058
30	18	2.093	2.121	0.028
30	19	2.089	2.085	-0.004
30	20	2.106	2.096	-0.010
55	21	2.132	2.143	0.011
55	22	2.088	2.154	0.066
55	23	2.082	2.113	0.031
55	24	2.110	2.097	-0.013
55	25	2.145	2.145	0.000
55	26	2.050	2.143	0.093
55	27	2.119	2.086	-0.033
55	28	1.987	2.137	0.150
55	29	2.069	2.034	-0.035
55	30	2.128	2.089	-0.039
55	31	2.090	2.153	0.063
55	32	2.094	2.117	0.023
55	33	2.072	2.128	0.056
55	34	2.139	2.087	-0.052
55	35	2.075	2.143	0.068
55	36	2.119	2.108	-0.011
55	37	2.163	2.146	-0.017
55	38	2.191	2.170	-0.021
55	39	2.118	2.196	0.078
55	40	2.163	2.139	-0.024
55	41	2.139	2.188	0.049
55	42	2.109	2.153	0.044
50	43	2.092	2.134	0.042
50	44	2.120	2.110	-0.010
50	45	2.113	2.115	0.002
50	46	2.152	2.160	0.008
50	47	2.112	2.110	-0.002
Max		2.191	2.196	0.150
Average		2.110	2.124	0.014
Min		1.987	2.034	-0.058
Std Dev		0.035	0.033	0.041



5.4_IDD_DIS_14V							
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	2.069	2.104	2.101	2.046	2.072	2.110	2.034
Average	2.069	2.130	2.133	2.094	2.117	2.126	2.130
Max	2.069	2.157	2.157	2.124	2.151	2.160	2.196
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000

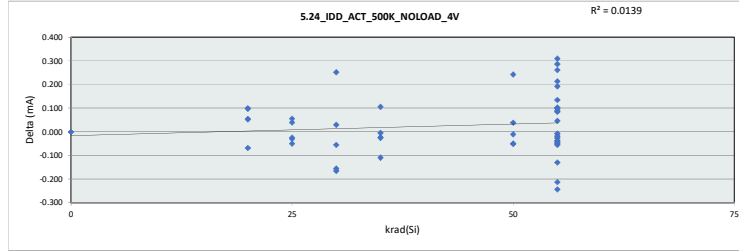


**HDR TID Report
TPS7H5007-SEP**

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

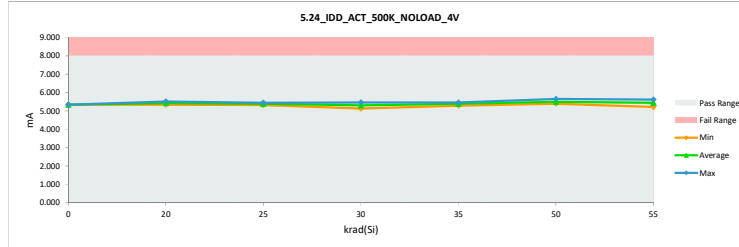
5.24_IDD_ACT_500K_NOLOAD	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	8
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	5.345	5.344		-0.001
25	1	5.320	5.375		0.055
25	2	5.351	5.326		-0.025
25	3	5.406	5.376		-0.030
25	4	5.400	5.439		0.039
25	5	5.499	5.449		-0.050
20	6	5.421	5.518		0.097
20	7	5.366	5.465		0.099
20	8	5.371	5.423		0.052
20	9	5.411	5.342		-0.069
20	10	5.387	5.441		0.054
35	11	5.305	5.410		0.105
35	12	5.408	5.298		-0.110
35	13	5.415	5.389		-0.026
35	14	5.444	5.439		-0.005
35	15	5.484	5.460		-0.024
30	16	5.212	5.464		0.252
30	17	5.285	5.129		-0.156
30	18	5.362	5.306		-0.056
30	19	5.297	5.326		0.029
30	20	5.470	5.304		-0.166
55	21	5.479	5.563		0.084
55	22	5.319	5.532		0.213
55	23	5.329	5.428		0.099
55	24	5.448	5.397		-0.051
55	25	5.490	5.482		-0.008
55	26	5.255	5.516		0.261
55	27	5.385	5.366		-0.019
55	28	5.089	5.398		0.309
55	29	5.252	5.225		-0.027
55	30	5.493	5.249		-0.244
55	31	5.335	5.621		0.286
55	32	5.357	5.403		0.046
55	33	5.293	5.427		0.134
55	34	5.484	5.271		-0.213
55	35	5.268	5.460		0.192
55	36	5.380	5.334		-0.046
55	37	5.560	5.430		-0.130
55	38	5.606	5.568		-0.038
55	39	5.500	5.589		0.089
55	40	5.550	5.510		-0.040
55	41	5.450	5.552		0.102
55	42	5.506	5.450		-0.056
50	43	5.405	5.647		0.242
50	44	5.411	5.400		-0.011
50	45	5.435	5.405		-0.030
50	46	5.612	5.650		0.038
50	47	5.456	5.405		-0.051
	Max	5.612	5.650		0.309
	Average	5.398	5.423		0.024
	Min	5.089	5.129		-0.244
	Std Dev	0.102	0.108		0.125



5.24_IDD_ACT_500K_NOLOAD	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	8
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	5.344	5.342	5.326	5.129	5.298	5.400	5.225
Average	5.344	5.438	5.393	5.306	5.399	5.501	5.444
Max	5.344	5.518	5.449	5.464	5.460	5.650	5.621
UL	8.000	8.000	8.000	8.000	8.000	8.000	8.000

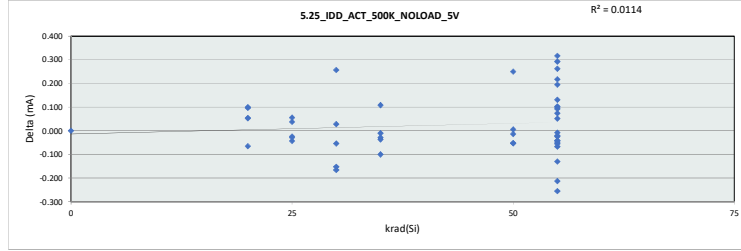


**HDR TID Report
TPS7H5007-SEP**

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

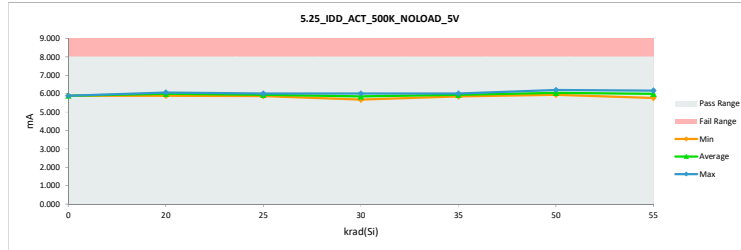
5.25_IDD_ACT_500K_NOLOAD	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	8
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	5.889	5.889		0.000
25	1	5.868	5.924		0.056
25	2	5.900	5.876		-0.024
25	3	5.951	5.923		-0.028
25	4	5.954	5.992		0.038
25	5	6.049	6.006		-0.043
20	6	5.974	6.071		0.097
20	7	5.915	6.015		0.100
20	8	5.922	5.976		0.054
20	9	5.961	5.896		-0.065
20	10	5.941	5.994		0.053
35	11	5.854	5.963		0.109
35	12	5.952	5.852		-0.100
35	13	5.968	5.932		-0.036
35	14	5.999	5.989		-0.010
35	15	6.040	6.011		-0.029
30	16	5.759	6.016		0.257
30	17	5.830	5.678		-0.152
30	18	5.910	5.856		-0.054
30	19	5.842	5.870		0.028
30	20	6.018	5.852		-0.166
55	21	6.031	6.105		0.074
55	22	5.865	6.083		0.218
55	23	5.877	5.970		0.093
55	24	6.000	5.933		-0.067
55	25	6.038	6.030		-0.008
55	26	5.801	6.063		0.262
55	27	5.932	5.911		-0.021
55	28	5.633	5.950		0.317
55	29	5.796	5.771		-0.025
55	30	6.043	5.788		-0.255
55	31	5.881	6.174		0.293
55	32	5.899	5.951		0.052
55	33	5.845	5.976		0.131
55	34	6.031	5.818		-0.213
55	35	5.812	6.007		0.195
55	36	5.926	5.885		-0.041
55	37	6.110	5.980		-0.130
55	38	6.158	6.107		-0.051
55	39	6.044	6.144		0.100
55	40	6.097	6.054		-0.043
55	41	5.997	6.100		0.103
55	42	6.046	5.991		-0.055
50	43	5.954	6.204		0.250
50	44	5.962	5.948		-0.014
50	45	5.999	5.946		-0.053
50	46	6.166	6.172		0.006
50	47	5.999	5.947		-0.052
50	48	6.166	6.204		0.317
50	49	5.947	5.971		0.024
50	50	5.633	5.678		-0.255
50	51	0.104	0.108		0.127



5.25_IDD_ACT_500K_NOLOAD	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	8
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	5.889	5.896	5.876	5.678	5.852	5.946	5.771
Average	5.889	5.990	5.944	5.854	5.949	6.043	5.991
Max	5.889	6.071	6.006	6.016	6.011	6.204	6.174
UL	8.000	8.000	8.000	8.000	8.000	8.000	8.000

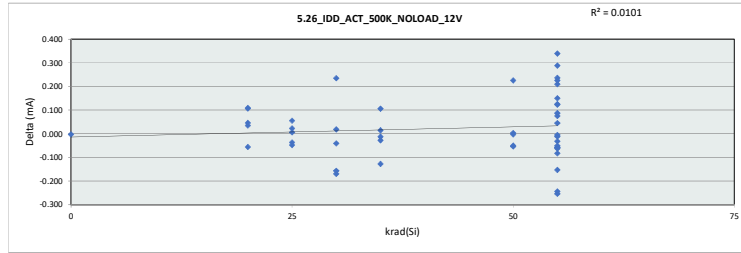


**HDR TID Report
TPS7H5007-SEP**

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

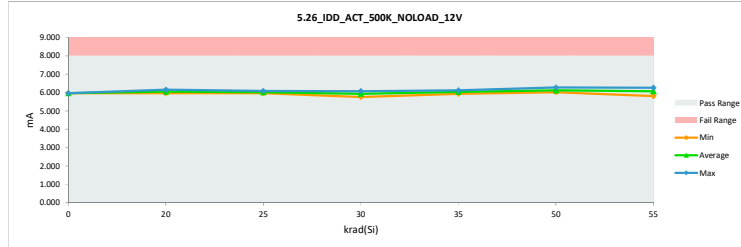
5.26_IDD_ACT_500K_NOLOAD	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	8
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	5.973	5.970	-0.003
25	1	5.964	6.019	0.055
25	2	5.961	5.967	0.006
25	3	6.023	5.986	-0.037
25	4	6.039	6.061	0.022
25	5	6.137	6.089	-0.048
20	6	6.046	6.153	0.107
20	7	5.980	6.089	0.109
20	8	5.993	6.039	0.046
20	9	6.019	5.963	-0.056
20	10	6.018	6.053	0.035
35	11	5.937	6.043	0.106
35	12	6.060	5.932	-0.128
35	13	6.054	6.041	-0.013
35	14	6.106	6.078	-0.028
35	15	6.108	6.122	0.014
30	16	5.848	6.083	0.235
30	17	5.920	5.763	-0.157
30	18	5.983	5.942	-0.041
30	19	5.921	5.939	0.018
30	20	6.101	5.931	-0.170
55	21	6.112	6.187	0.075
55	22	5.941	6.166	0.225
55	23	5.966	6.053	0.087
55	24	6.077	6.014	-0.063
55	25	6.118	6.106	-0.012
55	26	5.903	6.139	0.236
55	27	6.014	6.009	-0.005
55	28	5.687	6.026	0.339
55	29	5.879	5.820	-0.059
55	30	6.124	5.870	-0.254
55	31	5.966	6.254	0.288
55	32	5.986	6.031	0.045
55	33	5.910	6.060	0.150
55	34	6.128	5.884	-0.244
55	35	5.894	6.104	0.210
55	36	5.999	5.967	-0.032
55	37	6.199	6.046	-0.153
55	38	6.247	6.189	-0.058
55	39	6.108	6.231	0.123
55	40	6.196	6.113	-0.083
55	41	6.071	6.196	0.125
55	42	6.117	6.066	-0.051
50	43	6.055	6.280	0.225
50	44	6.050	6.047	-0.003
50	45	6.082	6.032	-0.050
50	46	6.248	6.251	0.003
50	47	6.081	6.027	-0.054
Max		6.248	6.280	0.339
Average		6.028	6.051	0.023
Min		5.687	5.763	-0.254
Std Dev		0.106	0.110	0.130



5.26_IDD_ACT_500K_NOLOAD	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	8
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	5.970	5.963	5.967	5.763	5.932	6.027	5.820
Average	5.970	6.059	6.024	5.932	6.043	6.127	6.070
Max	5.970	6.153	6.089	6.083	6.122	6.280	6.254
UL	8.000	8.000	8.000	8.000	8.000	8.000	8.000

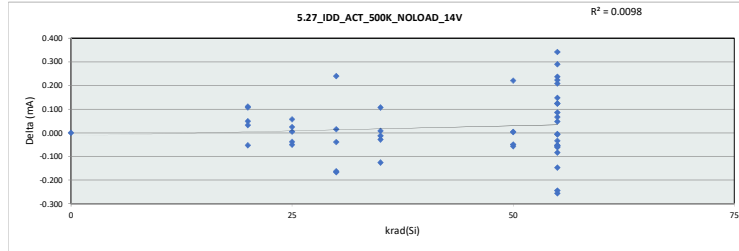


**HDR TID Report
TPS7H5007-SEP**

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

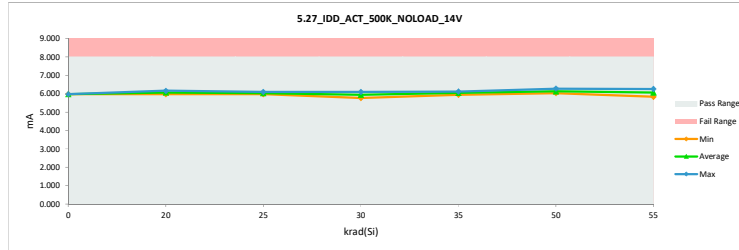
5.27_IDD_ACT_500K_NOLOAD	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	8 8
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	5.977	5.977		0.000
25	1	5.966	6.023		0.057
25	2	5.964	5.969		0.005
25	3	6.026	5.988		-0.038
25	4	6.040	6.065		0.025
25	5	6.141	6.091		-0.050
20	6	6.051	6.158		0.107
20	7	5.984	6.095		0.111
20	8	5.996	6.045		0.049
20	9	6.023	5.970		-0.053
20	10	6.024	6.056		0.032
35	11	5.940	6.047		0.107
35	12	6.063	5.937		-0.126
35	13	6.057	6.044		-0.013
35	14	6.107	6.079		-0.028
35	15	6.113	6.121		0.008
30	16	5.851	6.091		0.240
30	17	5.928	5.766		-0.162
30	18	5.987	5.948		-0.039
30	19	5.926	5.941		0.015
30	20	6.105	5.938		-0.167
55	21	6.121	6.188		0.067
55	22	5.947	6.170		0.223
55	23	5.971	6.057		0.086
55	24	6.082	6.021		-0.061
55	25	6.118	6.111		-0.007
55	26	5.907	6.144		0.237
55	27	6.016	6.011		-0.005
55	28	5.691	6.033		0.342
55	29	5.882	5.829		-0.053
55	30	6.130	5.874		-0.256
55	31	5.970	6.260		0.290
55	32	5.993	6.041		0.048
55	33	5.915	6.063		0.148
55	34	6.134	5.890		-0.244
55	35	5.900	6.108		0.208
55	36	6.005	5.971		-0.034
55	37	6.201	6.054		-0.147
55	38	6.251	6.194		-0.057
55	39	6.110	6.234		0.124
55	40	6.201	6.118		-0.083
55	41	6.078	6.201		0.123
55	42	6.122	6.069		-0.053
50	43	6.060	6.281		0.221
50	44	6.051	6.054		0.003
50	45	6.084	6.035		-0.049
50	46	6.251	6.255		0.004
50	47	6.086	6.029		-0.057
Max		6.251	6.281		0.342
Average		6.032	6.055		0.023
Min		5.691	5.766		-0.256
Std Dev		0.106	0.109		0.130



5.27_IDD_ACT_500K_NOLOAD	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	8 8
Min Limit	0 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	5.977	5.970	5.969	5.766	5.937	6.029	5.829
Average	5.977	6.065	6.027	5.937	6.046	6.131	6.075
Max	5.977	6.158	6.091	6.091	6.121	6.281	6.260
UL	8.000	8.000	8.000	8.000	8.000	8.000	8.000

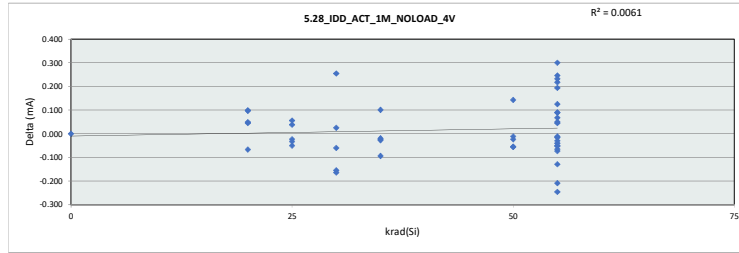


**HDR TID Report
TPS7H5007-SEP**

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

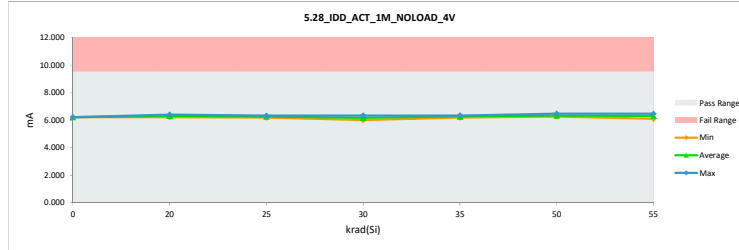
5.28_IDD_ACT_1M_NOLOAD_4V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.5
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	6.213	6.213		0.000
25	1	6.196	6.252		0.056
25	2	6.231	6.198		-0.033
25	3	6.275	6.252		-0.023
25	4	6.276	6.314		0.038
25	5	6.376	6.326		-0.050
20	6	6.291	6.390		0.099
20	7	6.238	6.335		0.097
20	8	6.248	6.297		0.049
20	9	6.286	6.219		-0.067
20	10	6.273	6.318		0.045
35	11	6.190	6.291		0.101
35	12	6.278	6.184		-0.094
35	13	6.287	6.260		-0.027
35	14	6.329	6.309		-0.020
35	15	6.362	6.338		-0.024
30	16	6.086	6.341		0.255
30	17	6.159	6.004		-0.155
30	18	6.237	6.177		-0.060
30	19	6.169	6.194		0.025
30	20	6.342	6.178		-0.164
55	21	6.360	6.405		0.045
55	22	6.190	6.408		0.218
55	23	6.201	6.269		0.068
55	24	6.319	6.246		-0.073
55	25	6.360	6.349		-0.011
55	26	6.133	6.379		0.246
55	27	6.255	6.239		-0.016
55	28	5.965	6.265		0.300
55	29	6.129	6.099		-0.030
55	30	6.367	6.121		-0.246
55	31	6.206	6.438		0.232
55	32	6.225	6.275		0.050
55	33	6.176	6.301		0.125
55	34	6.359	6.150		-0.209
55	35	6.143	6.337		0.194
55	36	6.254	6.214		-0.040
55	37	6.429	6.300		-0.129
55	38	6.481	6.416		-0.065
55	39	6.369	6.458		0.089
55	40	6.428	6.376		-0.052
55	41	6.332	6.422		0.090
55	42	6.364	6.313		-0.051
50	43	6.277	6.420		0.143
50	44	6.288	6.264		-0.024
50	45	6.319	6.264		-0.055
50	46	6.489	6.478		-0.011
50	47	6.323	6.267		-0.056
	Max	6.489	6.478		0.300
	Average	6.273	6.289		0.016
	Min	5.965	6.004		-0.246
	Std Dev	0.102	0.098		0.119



5.28_IDD_ACT_1M_NOLOAD_4V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.5
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	6.213	6.219	6.198	6.004	6.184	6.264	6.099
Average	6.213	6.312	6.268	6.179	6.276	6.339	6.308
Max	6.213	6.390	6.326	6.341	6.338	6.478	6.458
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500

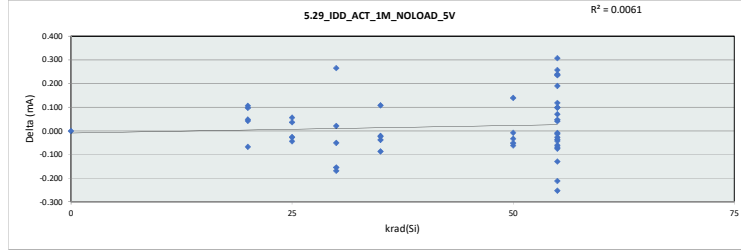


**HDR TID Report
TPS7H5007-SEP**

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

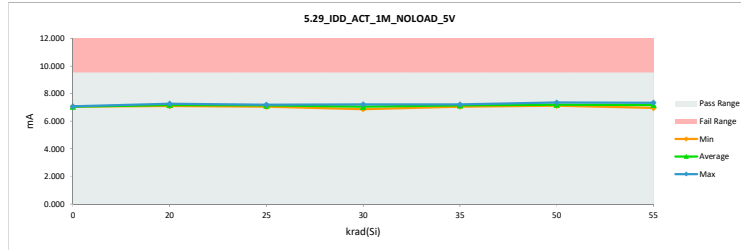
5.29_IDD_ACT_1M_NOLOAD_SV	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.5
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	7.079	7.078		-0.001
25	1	7.074	7.130		0.056
25	2	7.104	7.077		-0.027
25	3	7.156	7.129		-0.027
25	4	7.159	7.195		0.036
25	5	7.254	7.210		-0.044
20	6	7.167	7.273		0.106
20	7	7.118	7.215		0.097
20	8	7.130	7.178		0.048
20	9	7.169	7.101		-0.068
20	10	7.159	7.201		0.042
35	11	7.070	7.178		0.108
35	12	7.156	7.069		-0.087
35	13	7.167	7.129		-0.038
35	14	7.209	7.185		-0.024
35	15	7.245	7.223		-0.022
30	16	6.960	7.225		0.265
30	17	7.033	6.878		-0.155
30	18	7.107	7.056		-0.051
30	19	7.042	7.063		0.021
30	20	7.220	7.051		-0.169
55	21	7.244	7.285		0.041
55	22	7.058	7.293		0.235
55	23	7.072	7.142		0.070
55	24	7.196	7.121		-0.075
55	25	7.236	7.227		-0.009
55	26	7.006	7.263		0.257
55	27	7.128	7.115		-0.013
55	28	6.835	7.142		0.307
55	29	6.998	6.971		-0.027
55	30	7.248	6.995		-0.253
55	31	7.079	7.318		0.239
55	32	7.101	7.148		0.047
55	33	7.054	7.172		0.118
55	34	7.238	7.026		-0.212
55	35	7.023	7.213		0.190
55	36	7.134	7.098		-0.036
55	37	7.314	7.184		-0.130
55	38	7.365	7.296		-0.069
55	39	7.243	7.342		0.099
55	40	7.308	7.247		-0.061
55	41	7.206	7.304		0.098
55	42	7.231	7.188		-0.043
50	43	7.150	7.289		0.139
50	44	7.165	7.132		-0.033
50	45	7.191	7.139		-0.052
50	46	7.369	7.361		-0.008
50	47	7.193	7.131		-0.062
	Max	7.369	7.361		0.307
	Average	7.149	7.166		0.017
	Min	6.835	6.878		-0.253
	Std Dev	0.104	0.100		0.121



5.29_IDD_ACT_1M_NOLOAD_SV	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.5
Min Limit	0

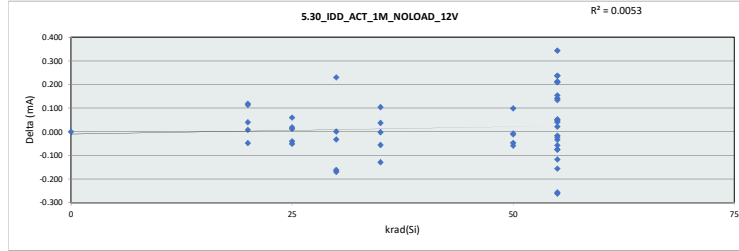
krad(Si)	0	20	25	30	35	50	55
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	7.078	7.101	7.077	6.878	7.069	7.131	6.971
Average	7.078	7.194	7.148	7.055	7.157	7.210	7.186
Max	7.078	7.273	7.210	7.225	7.223	7.361	7.342
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500



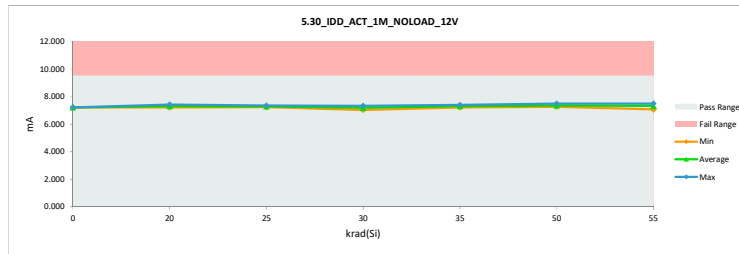
**HDR TID Report
TPS7H5007-SEP**

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_12				
Test Site	Tester	Test Number	Unit	Max Limit
			mA	9.5
			mA	9.5
				0
krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.222	7.222	0.000
25	1	7.228	7.288	0.060
25	2	7.213	7.232	0.019
25	3	7.275	7.235	-0.040
25	4	7.300	7.313	0.013
25	5	7.400	7.349	-0.051
20	6	7.297	7.416	0.119
20	7	7.226	7.340	0.114
20	8	7.249	7.289	0.040
20	9	7.265	7.217	-0.048
20	10	7.291	7.299	0.008
35	11	7.203	7.307	0.104
35	12	7.331	7.202	-0.129
35	13	7.313	7.311	-0.002
35	14	7.391	7.335	-0.056
35	15	7.363	7.400	0.037
30	16	7.108	7.338	0.230
30	17	7.186	7.024	-0.162
30	18	7.236	7.204	-0.032
30	19	7.182	7.183	0.001
30	20	7.358	7.188	-0.170
55	21	7.383	7.424	0.041
55	22	7.194	7.430	0.236
55	23	7.224	7.277	0.053
55	24	7.323	7.266	-0.057
55	25	7.371	7.355	-0.016
55	26	7.182	7.391	0.209
55	27	7.258	7.280	0.022
55	28	6.933	7.276	0.343
55	29	7.139	7.063	-0.076
55	30	7.389	7.127	-0.262
55	31	7.222	7.459	0.237
55	32	7.241	7.290	0.049
55	33	7.168	7.322	0.154
55	34	7.401	7.145	-0.256
55	35	7.161	7.374	0.213
55	36	7.257	7.234	-0.023
55	37	7.456	7.300	-0.156
55	38	7.513	7.439	-0.074
55	39	7.353	7.494	0.141
55	40	7.471	7.354	-0.117
55	41	7.331	7.465	0.134
55	42	7.356	7.322	-0.034
50	43	7.320	7.419	0.099
50	44	7.310	7.303	-0.007
50	45	7.332	7.285	-0.047
50	46	7.508	7.497	-0.011
50	47	7.329	7.270	-0.059
	Max	7.513	7.497	0.343
	Average	7.287	7.303	0.016
	Min	6.933	7.024	-0.262
	Std Dev	0.108	0.104	0.127



5.30_IDD_ACT_1M_NOLOAD_12							
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit		
			mA	9.5	0		
			mA	9.5	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	7.222	7.217	7.232	7.024	7.202	7.270	7.063
Average	7.222	7.312	7.283	7.187	7.311	7.355	7.322
Max	7.222	7.416	7.349	7.338	7.400	7.497	7.494
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500



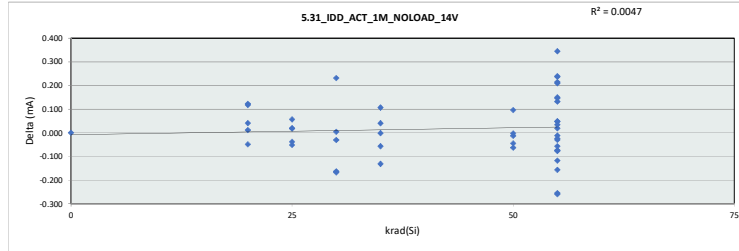
**HDR TID Report
TPS7H5007-SEP**

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	0	0

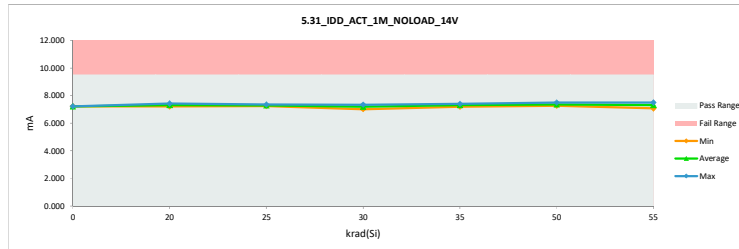
krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	7.227	7.227		0.000
25	1	7.234	7.290		0.056
25	2	7.218	7.237		0.019
25	3	7.279	7.241		-0.038
25	4	7.304	7.322		0.018
25	5	7.406	7.354		-0.052
20	6	7.302	7.424		0.122
20	7	7.230	7.347		0.117
20	8	7.255	7.296		0.041
20	9	7.271	7.222		-0.049
20	10	7.294	7.305		0.011
35	11	7.208	7.314		0.106
35	12	7.336	7.204		-0.132
35	13	7.317	7.315		-0.002
35	14	7.394	7.337		-0.057
35	15	7.369	7.409		0.040
30	16	7.115	7.346		0.231
30	17	7.190	7.027		-0.163
30	18	7.241	7.210		-0.031
30	19	7.187	7.191		0.004
30	20	7.362	7.194		-0.168
55	21	7.392	7.426		0.034
55	22	7.198	7.434		0.236
55	23	7.233	7.282		0.049
55	24	7.328	7.271		-0.057
55	25	7.374	7.362		-0.012
55	26	7.185	7.399		0.214
55	27	7.263	7.282		0.019
55	28	6.937	7.281		0.344
55	29	7.145	7.071		-0.074
55	30	7.392	7.132		-0.260
55	31	7.226	7.465		0.239
55	32	7.247	7.294		0.047
55	33	7.173	7.323		0.150
55	34	7.404	7.149		-0.255
55	35	7.166	7.375		0.209
55	36	7.261	7.236		-0.025
55	37	7.460	7.303		-0.157
55	38	7.519	7.442		-0.077
55	39	7.354	7.500		0.146
55	40	7.475	7.357		-0.118
55	41	7.338	7.470		0.132
55	42	7.358	7.328		-0.030
50	43	7.326	7.422		0.096
50	44	7.312	7.309		-0.003
50	45	7.335	7.290		-0.045
50	46	7.514	7.501		-0.013
50	47	7.334	7.271		-0.063
	Max	7.519	7.501		0.344
	Average	7.291	7.308		0.017
	Min	6.937	7.027		-0.260
	Std Dev	0.108	0.104		0.127



5.31_IDD_ACT_1M_NOLOAD_14

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	9.5	9.5
Min Limit	0	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	7.227	7.222	7.237	7.027	7.204	7.271	7.071
Average	7.227	7.319	7.289	7.194	7.316	7.359	7.326
Max	7.227	7.424	7.354	7.346	7.409	7.501	7.500
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500



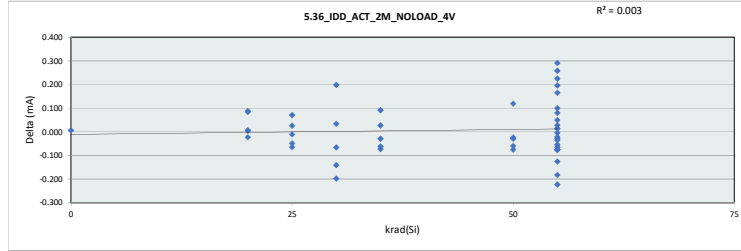
**HDR TID Report
TPS7H5007-SEP**

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
Max Limit	13.5
Min Limit	0

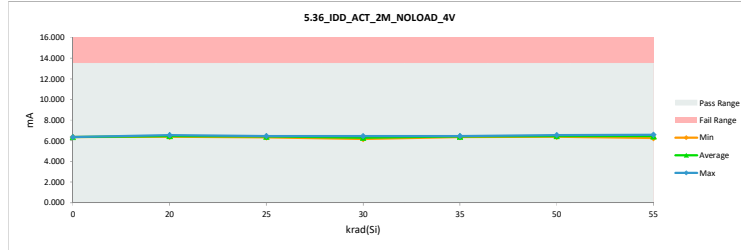
krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post_HD	Delta
0	48	6.365	6.371	0.006
25	1	6.335	6.406	0.071
25	2	6.393	6.344	-0.049
25	3	6.421	6.410	-0.011
25	4	6.431	6.457	0.026
25	5	6.533	6.468	-0.065
20	6	6.458	6.542	0.084
20	7	6.397	6.484	0.087
20	8	6.435	6.440	0.005
20	9	6.431	6.408	-0.023
20	10	6.451	6.457	0.006
35	11	6.364	6.455	0.091
35	12	6.417	6.355	-0.062
35	13	6.452	6.379	-0.073
35	14	6.442	6.469	0.027
35	15	6.475	6.446	-0.029
30	16	6.253	6.451	0.198
30	17	6.314	6.173	-0.141
30	18	6.386	6.320	-0.066
30	19	6.300	6.334	0.034
30	20	6.489	6.291	-0.198
55	21	6.522	6.536	0.014
55	22	6.333	6.558	0.225
55	23	6.361	6.389	0.028
55	24	6.470	6.393	-0.077
55	25	6.526	6.499	-0.027
55	26	6.252	6.543	0.291
55	27	6.409	6.334	-0.075
55	28	6.153	6.411	0.258
55	29	6.291	6.256	-0.035
55	30	6.501	6.278	-0.223
55	31	6.343	6.539	0.196
55	32	6.398	6.394	-0.004
55	33	6.357	6.457	0.100
55	34	6.516	6.333	-0.183
55	35	6.313	6.478	0.165
55	36	6.390	6.368	-0.022
55	37	6.562	6.436	-0.126
55	38	6.610	6.545	-0.065
55	39	6.501	6.581	0.080
55	40	6.537	6.482	-0.055
55	41	6.472	6.522	0.050
55	42	6.517	6.443	-0.074
50	43	6.438	6.557	0.119
50	44	6.438	6.409	-0.029
50	45	6.467	6.391	-0.076
50	46	6.588	6.564	-0.024
50	47	6.470	6.410	-0.060
Max		6.610	6.581	0.291
Average		6.422	6.428	0.006
Min		6.153	6.173	-0.223
Std Dev		0.093	0.089	0.112



5.36_IDD_ACT_2M_NOLOAD_4V

Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	13.5
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	6.371	6.408	6.344	6.173	6.355	6.391	6.256
Average	6.371	6.466	6.417	6.314	6.421	6.466	6.444
Max	6.371	6.542	6.468	6.451	6.469	6.564	6.581
UL	13.500	13.500	13.500	13.500	13.500	13.500	13.500

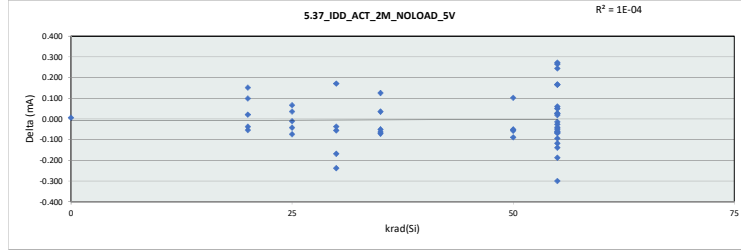


**HDR TID Report
TPS7H5007-SEP**

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

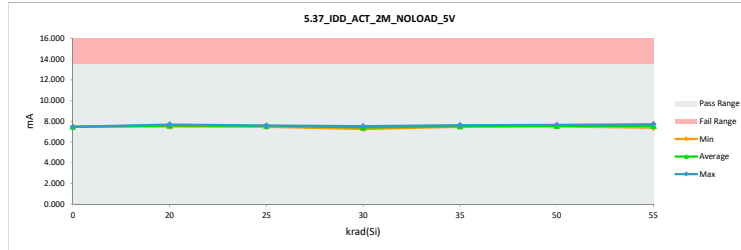
5.37_IDD_ACT_2M_NOLOAD_5V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	13.5 13.5
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	7.455	7.461		0.006
25	1	7.475	7.541		0.066
25	2	7.518	7.476		-0.042
25	3	7.550	7.539		-0.011
25	4	7.555	7.591		0.036
25	5	7.679	7.605		-0.074
20	6	7.545	7.696		0.151
20	7	7.503	7.602		0.099
20	8	7.537	7.558		0.021
20	9	7.557	7.503		-0.054
20	10	7.624	7.586		-0.038
35	11	7.507	7.632		0.125
35	12	7.548	7.477		-0.071
35	13	7.554	7.491		-0.063
35	14	7.524	7.559		0.035
35	15	7.562	7.511		-0.051
30	16	7.357	7.528		0.171
30	17	7.428	7.260		-0.168
30	18	7.499	7.444		-0.055
30	19	7.457	7.420		-0.037
30	20	7.652	7.414		-0.238
55	21	7.680	7.707		0.027
55	22	7.450	7.715		0.265
55	23	7.493	7.519		0.026
55	24	7.603	7.509		-0.094
55	25	7.643	7.602		-0.041
55	26	7.371	7.643		0.272
55	27	7.497	7.379		-0.118
55	28	7.242	7.486		0.244
55	29	7.413	7.364		-0.049
55	30	7.666	7.366		-0.300
55	31	7.481	7.647		0.166
55	32	7.486	7.505		0.019
55	33	7.515	7.575		0.060
55	34	7.654	7.466		-0.188
55	35	7.453	7.618		0.165
55	36	7.551	7.525		-0.026
55	37	7.720	7.581		-0.139
55	38	7.765	7.701		-0.064
55	39	7.658	7.708		0.050
55	40	7.637	7.577		-0.060
55	41	7.650	7.581		-0.069
55	42	7.616	7.602		-0.014
50	43	7.549	7.651		0.102
50	44	7.582	7.529		-0.053
50	45	7.582	7.531		-0.051
50	46	7.686	7.629		-0.057
50	47	7.590	7.501		-0.089
Max		7.765	7.715		0.272
Average		7.548	7.544		-0.004
Min		7.242	7.260		-0.300
Std Dev		0.101	0.099		0.120



5.37_IDD_ACT_2M_NOLOAD_5V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	13.5 13.5
Min Limit	0 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	7.461	7.503	7.476	7.260	7.477	7.501	7.364
Average	7.461	7.589	7.550	7.413	7.534	7.568	7.563
Max	7.461	7.696	7.605	7.528	7.632	7.651	7.715
UL	13.500	13.500	13.500	13.500	13.500	13.500	13.500

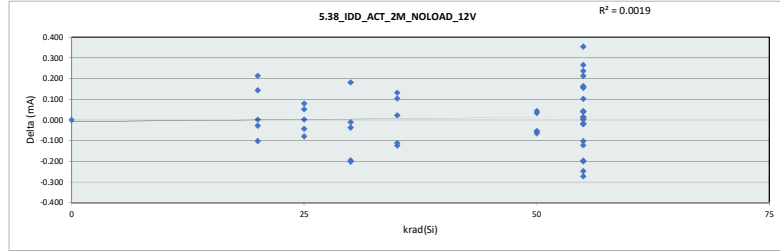


**HDR TID Report
TPS7H5007-SEP**

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

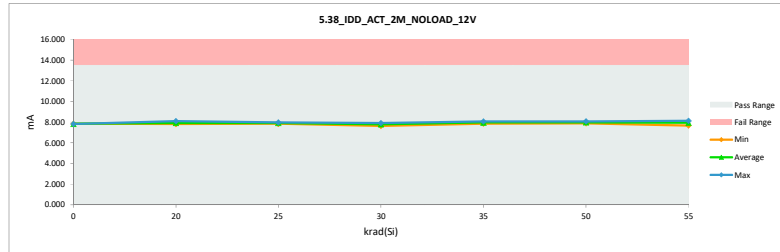
5.38_IDD_ACT_2M_NOLOAD_12	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	13.5 13.5
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.834	7.834	0.000
25	1	7.874	7.953	0.079
25	2	7.815	7.866	0.051
25	3	7.874	7.831	-0.043
25	4	7.926	7.928	0.002
25	5	8.056	7.976	-0.080
20	6	7.879	8.092	0.213
20	7	7.796	7.939	0.143
20	8	7.861	7.862	0.001
20	9	7.833	7.805	-0.028
20	10	7.983	7.881	-0.102
35	11	7.867	7.998	0.131
35	12	7.992	7.868	-0.124
35	13	7.934	7.956	0.022
35	14	8.088	7.976	-0.112
35	15	7.964	8.067	0.103
30	16	7.736	7.917	0.181
30	17	7.825	7.623	-0.202
30	18	7.839	7.828	-0.011
30	19	7.817	7.780	-0.037
30	20	8.024	7.828	-0.196
55	21	8.052	8.063	0.011
55	22	7.810	8.075	0.265
55	23	7.903	7.884	-0.019
55	24	7.952	7.934	-0.018
55	25	8.001	7.980	-0.021
55	26	7.868	8.031	0.163
55	27	7.845	7.887	0.042
55	28	7.515	7.869	0.354
55	29	7.786	7.665	-0.123
55	30	8.042	7.769	-0.273
55	31	7.858	8.094	0.236
55	32	7.854	7.893	0.039
55	33	7.838	7.993	0.155
55	34	8.070	7.822	-0.248
55	35	7.824	8.036	0.212
55	36	7.876	7.890	0.014
55	37	8.104	7.906	-0.198
55	38	8.172	8.069	-0.103
55	39	7.961	8.118	0.157
55	40	8.145	7.944	-0.201
55	41	7.996	8.098	0.102
55	42	7.951	7.953	0.002
50	43	7.980	8.023	0.043
50	44	7.963	7.996	0.033
50	45	7.956	7.902	-0.054
50	46	8.148	8.090	-0.058
50	47	7.959	7.893	-0.066
Max		8.172	8.118	0.354
Average		7.922	7.931	0.009
Min		7.515	7.623	-0.273
Std Dev		0.121	0.111	0.138



5.38_IDD_ACT_2M_NOLOAD_12V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	13.5 13.5
Min Limit	0 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	7.834	7.805	7.831	7.623	7.868	7.893	7.663
Average	7.834	7.916	7.911	7.795	7.973	7.981	7.953
Max	7.834	8.092	7.976	7.917	8.067	8.090	8.118
UL	13.500	13.500	13.500	13.500	13.500	13.500	13.500

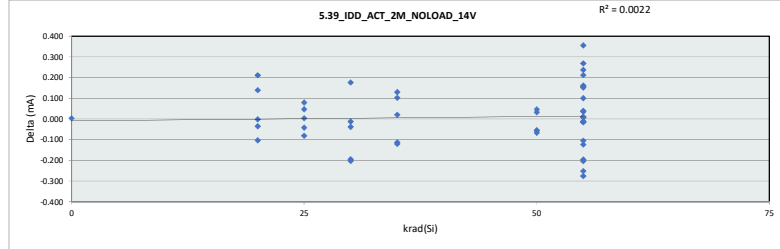


**HDR TID Report
TPS7H5007-SEP**

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

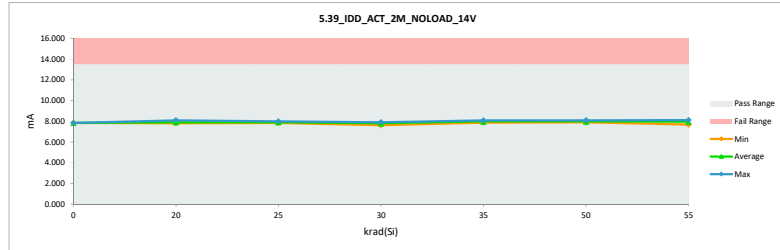
5.39_IDD_ACT_2M_NOLOAD_14	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	13.5
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.836	7.839	0.003
25	1	7.878	7.957	0.079
25	2	7.823	7.870	0.047
25	3	7.880	7.838	-0.042
25	4	7.932	7.935	0.003
25	5	8.061	7.980	-0.081
20	6	7.882	8.093	0.211
20	7	7.802	7.941	0.139
20	8	7.864	7.862	-0.002
20	9	7.842	7.807	-0.035
20	10	7.989	7.886	-0.103
35	11	7.872	8.001	0.129
35	12	7.996	7.875	-0.121
35	13	7.939	7.959	0.020
35	14	8.090	7.977	-0.113
35	15	7.968	8.070	0.102
30	16	7.744	7.920	0.176
30	17	7.830	7.627	-0.203
30	18	7.845	7.832	-0.013
30	19	7.820	7.782	-0.038
30	20	8.027	7.832	-0.195
55	21	8.057	8.067	0.010
55	22	7.811	8.079	0.268
55	23	7.906	7.890	-0.016
55	24	7.955	7.943	-0.012
55	25	8.001	7.988	-0.013
55	26	7.871	8.032	0.161
55	27	7.851	7.890	0.039
55	28	7.518	7.873	0.355
55	29	7.788	7.664	-0.124
55	30	8.046	7.770	-0.276
55	31	7.862	8.099	0.237
55	32	7.859	7.894	0.035
55	33	7.841	7.993	0.152
55	34	8.074	7.822	-0.252
55	35	7.829	8.041	0.212
55	36	7.883	7.893	0.010
55	37	8.105	7.909	-0.196
55	38	8.178	8.073	-0.105
55	39	7.962	8.118	0.156
55	40	8.150	7.946	-0.204
55	41	7.999	8.099	0.100
55	42	7.952	7.959	0.007
50	43	7.984	8.030	0.046
50	44	7.966	7.998	0.032
50	45	7.961	7.905	-0.056
50	46	8.151	8.096	-0.055
50	47	7.963	7.896	-0.067
Max		8.178	8.118	0.355
Average		7.926	7.934	0.008
Min		7.518	7.627	-0.276
Std Dev		0.121	0.111	0.138



5.39_IDD_ACT_2M_NOLOAD_14	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	13.5
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	7.839	7.807	7.838	7.627	7.875	7.896	7.664
Average	7.839	7.918	7.916	7.799	7.976	7.985	7.956
Max	7.839	8.093	7.980	7.920	8.070	8.096	8.118
UL	13.500	13.500	13.500	13.500	13.500	13.500	13.500

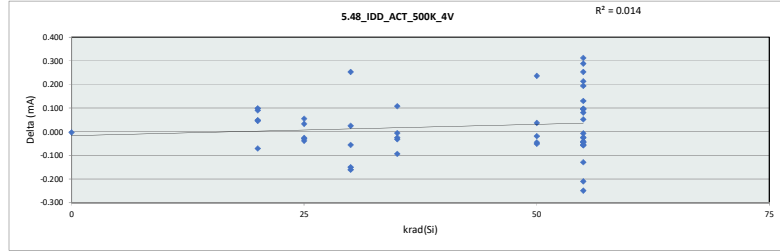


**HDR TID Report
TPS7H5007-SEP**

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

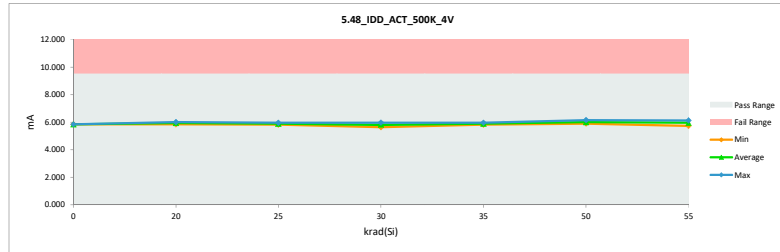
5.48_IDD_ACT_500K_4V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	9.5 9.5
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	5.846	5.843		-0.003
25	1	5.816	5.871		0.055
25	2	5.846	5.819		-0.027
25	3	5.901	5.871		-0.030
25	4	5.904	5.937		0.033
25	5	5.991	5.952		-0.039
20	6	5.919	6.009		0.090
20	7	5.862	5.961		0.099
20	8	5.873	5.919		0.046
20	9	5.914	5.843		-0.071
20	10	5.896	5.945		0.049
35	11	5.809	5.917		0.108
35	12	5.901	5.807		-0.094
35	13	5.918	5.886		-0.032
35	14	5.944	5.938		-0.006
35	15	5.984	5.959		-0.025
30	16	5.713	5.966		0.253
30	17	5.784	5.634		-0.150
30	18	5.863	5.807		-0.056
30	19	5.800	5.825		0.025
30	20	5.967	5.806		-0.161
55	21	5.977	6.058		0.081
55	22	5.815	6.028		0.213
55	23	5.826	5.923		0.097
55	24	5.950	5.892		-0.058
55	25	5.988	5.981		-0.007
55	26	5.756	6.009		0.253
55	27	5.887	5.863		-0.024
55	28	5.587	5.899		0.312
55	29	5.751	5.725		-0.026
55	30	5.993	5.744		-0.249
55	31	5.832	6.120		0.288
55	32	5.852	5.904		0.052
55	33	5.798	5.928		0.130
55	34	5.984	5.774		-0.210
55	35	5.766	5.960		0.194
55	36	5.879	5.838		-0.041
55	37	6.062	5.933		-0.129
55	38	6.109	6.065		-0.044
55	39	5.997	6.094		0.097
55	40	6.048	6.003		-0.045
55	41	5.954	6.049		0.095
55	42	6.006	5.951		-0.055
50	43	5.905	6.141		0.236
50	44	5.915	5.896		-0.019
50	45	5.953	5.908		-0.045
50	46	6.116	6.153		0.037
50	47	5.954	5.903		-0.051
	Max	6.116	6.153		0.312
	Average	5.898	5.922		0.024
	Min	5.587	5.634		-0.249
	Std Dev	0.103	0.107		0.124



5.48_IDD_ACT_500K_4V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	9.5 9.5
Min Limit	0 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	5.843	5.843	5.819	5.634	5.807	5.896	5.725
Average	5.843	5.935	5.890	5.808	5.901	6.000	5.943
Max	5.843	6.009	5.952	5.966	5.959	6.153	6.120
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500

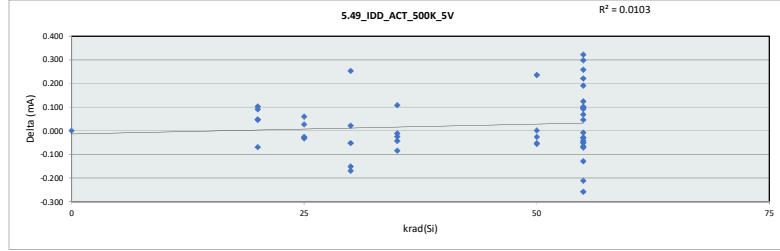


**HDR TID Report
TPS7H5007-SEP**

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

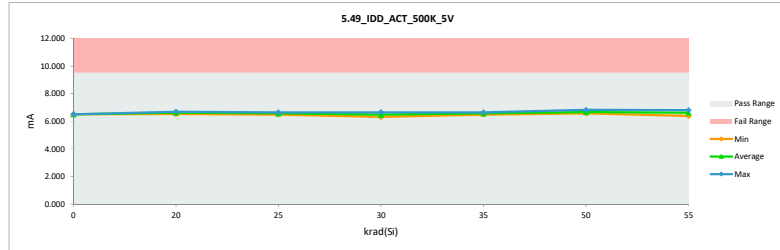
5.49_IDD_ACT_500K_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.5
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	6.514	6.514	0.000
25	1	6.490	6.550	0.060
25	2	6.523	6.497	-0.026
25	3	6.577	6.548	-0.029
25	4	6.590	6.617	0.027
25	5	6.670	6.638	-0.032
20	6	6.597	6.688	0.091
20	7	6.542	6.645	0.103
20	8	6.552	6.600	0.048
20	9	6.597	6.528	-0.069
20	10	6.584	6.631	0.047
35	11	6.494	6.602	0.108
35	12	6.576	6.492	-0.084
35	13	6.600	6.557	-0.043
35	14	6.627	6.616	-0.011
35	15	6.665	6.640	-0.025
30	16	6.394	6.647	0.253
30	17	6.460	6.309	-0.151
30	18	6.540	6.488	-0.052
30	19	6.475	6.497	0.022
30	20	6.650	6.481	-0.169
55	21	6.663	6.732	0.069
55	22	6.490	6.711	0.221
55	23	6.500	6.592	0.092
55	24	6.630	6.559	-0.071
55	25	6.668	6.660	-0.008
55	26	6.430	6.688	0.258
55	27	6.568	6.538	-0.030
55	28	6.259	6.581	0.322
55	29	6.424	6.396	-0.028
55	30	6.675	6.417	-0.258
55	31	6.504	6.802	0.298
55	32	6.530	6.576	0.046
55	33	6.479	6.603	0.124
55	34	6.661	6.450	-0.211
55	35	6.444	6.635	0.191
55	36	6.561	6.519	-0.042
55	37	6.744	6.615	-0.129
55	38	6.795	6.730	-0.065
55	39	6.676	6.778	0.102
55	40	6.729	6.678	-0.051
55	41	6.632	6.729	0.097
55	42	6.670	6.621	-0.049
50	43	6.584	6.820	0.236
50	44	6.596	6.570	-0.026
50	45	6.628	6.575	-0.053
50	46	6.800	6.801	0.001
50	47	6.629	6.574	-0.055
Max		6.800	6.820	0.322
Average		6.577	6.599	0.022
Min		6.259	6.309	-0.258
Std Dev		0.105	0.107	0.127



5.49_IDD_ACT_500K_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.5
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	6.514	6.528	6.497	6.309	6.492	6.570	6.396
Average	6.514	6.618	6.570	6.484	6.581	6.668	6.619
Max	6.514	6.688	6.638	6.647	6.640	6.820	6.802
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500

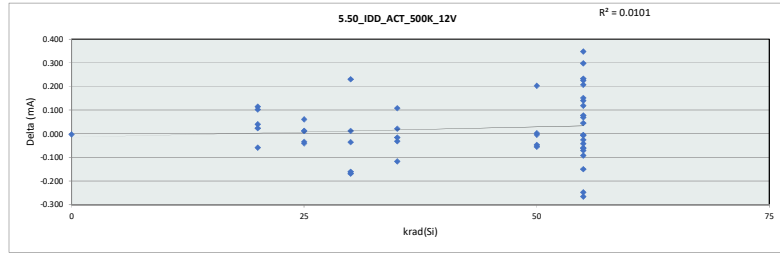


**HDR TID Report
TPS7H5007-SEP**

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

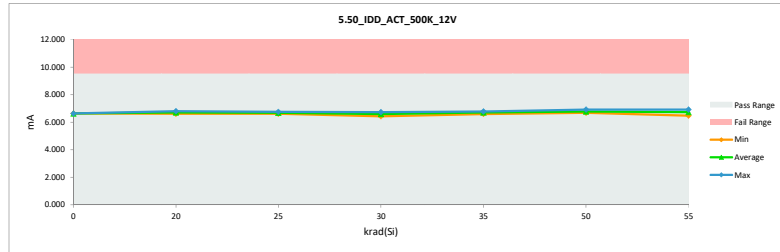
5.50_IDD_ACT_500K_12V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	9.5 9.5
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	6.627	6.624		-0.003
25	1	6.611	6.672		0.061
25	2	6.603	6.615		0.012
25	3	6.670	6.629		-0.041
25	4	6.698	6.710		0.012
25	5	6.780	6.746		-0.034
20	6	6.697	6.799		0.102
20	7	6.623	6.737		0.114
20	8	6.648	6.688		0.040
20	9	6.673	6.614		-0.059
20	10	6.683	6.706		0.023
35	11	6.596	6.704		0.108
35	12	6.713	6.596		-0.117
35	13	6.709	6.693		-0.016
35	14	6.762	6.730		-0.032
35	15	6.756	6.777		0.021
30	16	6.503	6.733		0.230
30	17	6.579	6.418		-0.161
30	18	6.637	6.601		-0.036
30	19	6.578	6.590		0.012
30	20	6.758	6.589		-0.169
55	21	6.768	6.837		0.069
55	22	6.591	6.816		0.225
55	23	6.621	6.698		0.077
55	24	6.728	6.667		-0.061
55	25	6.768	6.761		-0.007
55	26	6.559	6.792		0.233
55	27	6.665	6.660		-0.005
55	28	6.335	6.683		0.348
55	29	6.529	6.469		-0.060
55	30	6.784	6.518		-0.266
55	31	6.613	6.911		0.298
55	32	6.638	6.683		0.045
55	33	6.565	6.716		0.151
55	34	6.784	6.536		-0.248
55	35	6.553	6.760		0.207
55	36	6.652	6.626		-0.026
55	37	6.854	6.704		-0.150
55	38	6.912	6.841		-0.071
55	39	6.757	6.897		0.140
55	40	6.852	6.760		-0.092
55	41	6.731	6.849		0.118
55	42	6.763	6.721		-0.042
50	43	6.715	6.918		0.203
50	44	6.708	6.704		-0.004
50	45	6.736	6.689		-0.047
50	46	6.906	6.908		0.002
50	47	6.734	6.679		-0.055
	Max	6.912	6.918		0.348
	Average	6.682	6.704		0.022
	Min	6.335	6.418		-0.266
	Std Dev	0.107	0.109		0.130



5.50_IDD_ACT_500K_12V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	9.5 9.5
Min Limit	0 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	6.624	6.614	6.615	6.418	6.596	6.679	6.469
Average	6.624	6.709	6.674	6.586	6.700	6.780	6.723
Max	6.624	6.799	6.746	6.733	6.777	6.918	6.911
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500

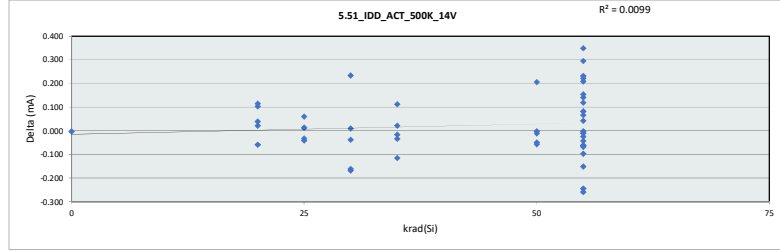


**HDR TID Report
TPS7H5007-SEP**

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

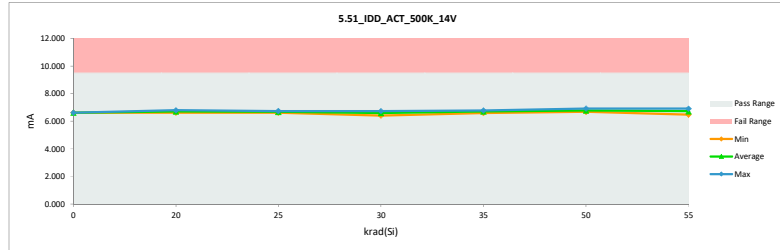
5.51_IDD_ACT_500K_14V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	9.5 9.5
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	6.631	6.628	-0.003
25	1	6.618	6.678	0.060
25	2	6.609	6.622	0.013
25	3	6.672	6.631	-0.041
25	4	6.702	6.714	0.012
25	5	6.786	6.753	-0.033
20	6	6.698	6.801	0.103
20	7	6.629	6.744	0.115
20	8	6.650	6.689	0.039
20	9	6.678	6.619	-0.059
20	10	6.686	6.707	0.021
35	11	6.599	6.711	0.112
35	12	6.714	6.599	-0.115
35	13	6.715	6.699	-0.016
35	14	6.767	6.733	-0.034
35	15	6.761	6.783	0.022
30	16	6.506	6.740	0.234
30	17	6.582	6.421	-0.161
30	18	6.642	6.604	-0.038
30	19	6.581	6.591	0.010
30	20	6.760	6.592	-0.168
55	21	6.775	6.841	0.066
55	22	6.598	6.820	0.222
55	23	6.623	6.705	0.082
55	24	6.733	6.672	-0.061
55	25	6.773	6.763	-0.010
55	26	6.562	6.794	0.232
55	27	6.669	6.667	-0.002
55	28	6.339	6.688	0.349
55	29	6.535	6.472	-0.063
55	30	6.787	6.528	-0.259
55	31	6.620	6.915	0.295
55	32	6.644	6.686	0.042
55	33	6.567	6.721	0.154
55	34	6.789	6.545	-0.244
55	35	6.555	6.764	0.209
55	36	6.655	6.630	-0.025
55	37	6.859	6.708	-0.151
55	38	6.913	6.845	-0.068
55	39	6.760	6.901	0.141
55	40	6.859	6.762	-0.097
55	41	6.736	6.855	0.119
55	42	6.769	6.726	-0.043
50	43	6.717	6.923	0.206
50	44	6.714	6.703	-0.011
50	45	6.740	6.691	-0.049
50	46	6.912	6.910	-0.002
50	47	6.739	6.682	-0.057
Max		6.913	6.923	0.349
Average		6.686	6.708	0.022
Min		6.339	6.421	-0.259
Std Dev		0.108	0.109	0.130



5.51_IDD_ACT_500K_14V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	9.5 9.5
Min Limit	0 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	6.628	6.619	6.622	6.421	6.599	6.682	6.472
Average	6.628	6.712	6.680	6.590	6.705	6.782	6.728
Max	6.628	6.801	6.753	6.740	6.783	6.923	6.915
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500

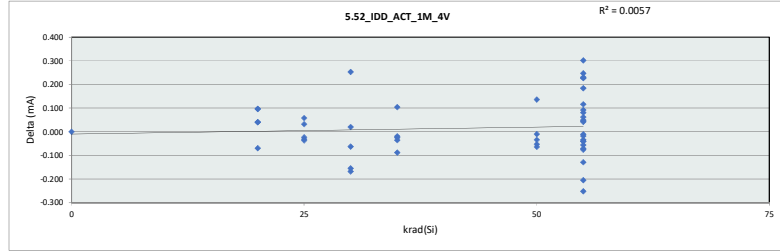


**HDR TID Report
TPS7H5007-SEP**

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

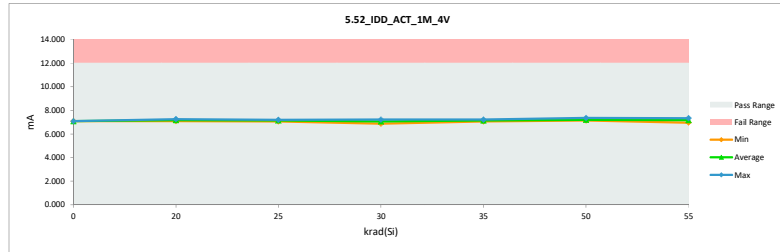
5.52_IDD_ACT_1M_4V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	12 12
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	7.083	7.083	0.000
25	1	7.060	7.118	0.058
25	2	7.098	7.066	-0.032
25	3	7.145	7.121	-0.024
25	4	7.152	7.184	0.032
25	5	7.239	7.202	-0.037
20	6	7.159	7.256	0.097
20	7	7.104	7.200	0.096
20	8	7.122	7.163	0.041
20	9	7.163	7.093	-0.070
20	10	7.156	7.196	0.040
35	11	7.070	7.174	0.104
35	12	7.149	7.061	-0.088
35	13	7.164	7.128	-0.036
35	14	7.202	7.183	-0.019
35	15	7.237	7.212	-0.025
30	16	6.960	7.213	0.253
30	17	7.031	6.876	-0.155
30	18	7.113	7.050	-0.063
30	19	7.047	7.067	0.020
30	20	7.217	7.049	-0.168
55	21	7.237	7.279	0.042
55	22	7.056	7.282	0.226
55	23	7.071	7.133	0.062
55	24	7.191	7.115	-0.076
55	25	7.232	7.221	-0.011
55	26	7.004	7.251	0.247
55	27	7.124	7.106	-0.018
55	28	6.836	7.138	0.302
55	29	7.002	6.968	-0.034
55	30	7.243	6.991	-0.252
55	31	7.078	7.308	0.230
55	32	7.095	7.144	0.049
55	33	7.055	7.171	0.116
55	34	7.232	7.027	-0.205
55	35	7.022	7.206	0.184
55	36	7.132	7.091	-0.041
55	37	7.307	7.178	-0.129
55	38	7.362	7.291	-0.071
55	39	7.246	7.338	0.092
55	40	7.299	7.243	-0.056
55	41	7.211	7.292	0.081
55	42	7.230	7.190	-0.040
50	43	7.150	7.286	0.136
50	44	7.164	7.130	-0.034
50	45	7.192	7.139	-0.053
50	46	7.365	7.355	-0.010
50	47	7.195	7.131	-0.064
Max		7.365	7.355	0.302
Average		7.146	7.160	0.015
Min		6.836	6.876	-0.252
Std Dev		0.102	0.099	0.118



5.52_IDD_ACT_1M_4V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	12 12
Min Limit	0 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	7.083	7.093	7.066	6.876	7.061	7.130	6.968
Average	7.083	7.182	7.138	7.051	7.152	7.208	7.180
Max	7.083	7.256	7.202	7.213	7.212	7.355	7.338
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000

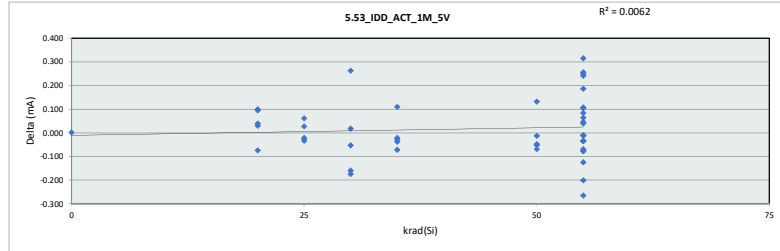


**HDR TID Report
TPS7H5007-SEP**

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

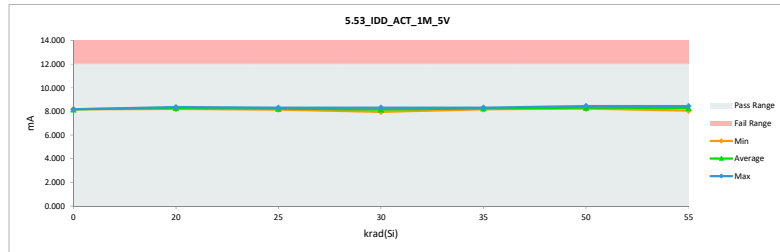
5.53_IDD_ACT_1M_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	12
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	8.180	8.182		0.002
25	1	8.173	8.234		0.061
25	2	8.207	8.173		-0.034
25	3	8.255	8.233		-0.022
25	4	8.271	8.298		0.027
25	5	8.348	8.322		-0.026
20	6	8.271	8.366		0.095
20	7	8.217	8.316		0.099
20	8	8.239	8.278		0.039
20	9	8.281	8.207		-0.074
20	10	8.284	8.314		0.030
35	11	8.190	8.300		0.110
35	12	8.257	8.185		-0.072
35	13	8.273	8.236		-0.037
35	14	8.322	8.294		-0.028
35	15	8.351	8.329		-0.022
30	16	8.070	8.333		0.263
30	17	8.142	7.982		-0.160
30	18	8.220	8.167		-0.053
30	19	8.154	8.172		0.018
30	20	8.332	8.158		-0.174
55	21	8.356	8.396		0.040
55	22	8.158	8.399		0.241
55	23	8.174	8.238		0.064
55	24	8.300	8.226		-0.074
55	25	8.346	8.334		-0.012
55	26	8.112	8.368		0.256
55	27	8.230	8.220		-0.010
55	28	7.936	8.251		0.315
55	29	8.107	8.072		-0.035
55	30	8.358	8.093		-0.265
55	31	8.183	8.434		0.251
55	32	8.203	8.249		0.046
55	33	8.171	8.278		0.107
55	34	8.343	8.142		-0.201
55	35	8.134	8.320		0.186
55	36	8.248	8.213		-0.035
55	37	8.424	8.299		-0.125
55	38	8.483	8.405		-0.078
55	39	8.353	8.458		0.105
55	40	8.416	8.347		-0.069
55	41	8.326	8.410		0.084
55	42	8.333	8.300		-0.033
50	43	8.258	8.390		0.132
50	44	8.280	8.232		-0.048
50	45	8.299	8.247		-0.052
50	46	8.483	8.470		-0.013
50	47	8.303	8.234		-0.069
	Max	8.483	8.470		0.315
	Average	8.257	8.273		0.016
	Min	7.936	7.982		-0.265
	Std Dev	0.105	0.101		0.122



5.53_IDD_ACT_1M_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	12
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	8.182	8.207	8.173	7.982	8.185	8.232	8.072
Average	8.182	8.296	8.252	8.162	8.269	8.315	8.293
Max	8.182	8.366	8.322	8.333	8.329	8.470	8.458
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000

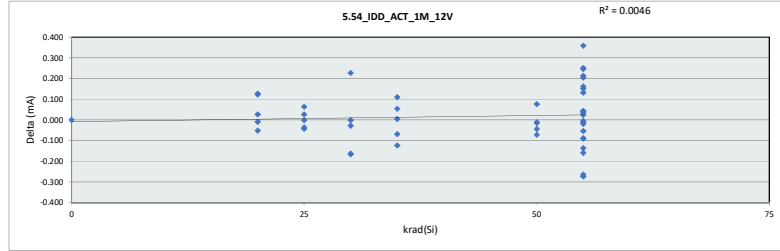


**HDR TID Report
TPS7H5007-SEP**

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

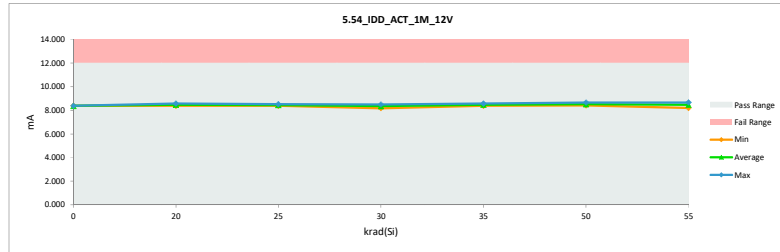
5.54_IDD_ACT_1M_12V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	12 12
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.382	8.382	0.000
25	1	8.389	8.453	0.064
25	2	8.362	8.389	0.027
25	3	8.427	8.384	-0.043
25	4	8.469	8.468	-0.001
25	5	8.552	8.516	-0.036
20	6	8.444	8.567	0.123
20	7	8.369	8.496	0.127
20	8	8.411	8.438	0.027
20	9	8.426	8.374	-0.052
20	10	8.467	8.458	-0.009
35	11	8.377	8.487	0.110
35	12	8.498	8.375	-0.123
35	13	8.476	8.481	0.005
35	14	8.565	8.496	-0.069
35	15	8.521	8.575	0.054
30	16	8.270	8.497	0.227
30	17	8.350	8.184	-0.166
30	18	8.400	8.372	-0.028
30	19	8.346	8.345	-0.001
30	20	8.520	8.357	-0.163
55	21	8.551	8.587	0.036
55	22	8.348	8.594	0.246
55	23	8.390	8.433	0.043
55	24	8.483	8.429	-0.054
55	25	8.528	8.516	-0.012
55	26	8.348	8.553	0.205
55	27	8.421	8.446	0.025
55	28	8.078	8.437	0.359
55	29	8.301	8.212	-0.089
55	30	8.557	8.284	-0.273
55	31	8.383	8.634	0.251
55	32	8.400	8.443	0.043
55	33	8.332	8.483	0.151
55	34	8.567	8.303	-0.264
55	35	8.324	8.537	0.213
55	36	8.415	8.410	-0.005
55	37	8.623	8.464	-0.159
55	38	8.693	8.603	-0.090
55	39	8.507	8.669	0.162
55	40	8.637	8.500	-0.137
55	41	8.502	8.634	0.132
55	42	8.509	8.490	-0.019
50	43	8.491	8.567	0.076
50	44	8.482	8.467	-0.015
50	45	8.495	8.451	-0.044
50	46	8.678	8.667	-0.011
50	47	8.493	8.421	-0.072
Max		8.693	8.669	0.359
Average		8.449	8.465	0.016
Min		8.078	8.184	-0.273
Std Dev		0.111	0.106	0.131



5.54_IDD_ACT_1M_12V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	12 12
Min Limit	0 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	8.382	8.374	8.384	8.184	8.375	8.421	8.212
Average	8.382	8.467	8.442	8.351	8.483	8.515	8.485
Max	8.382	8.567	8.516	8.497	8.575	8.667	8.669
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000

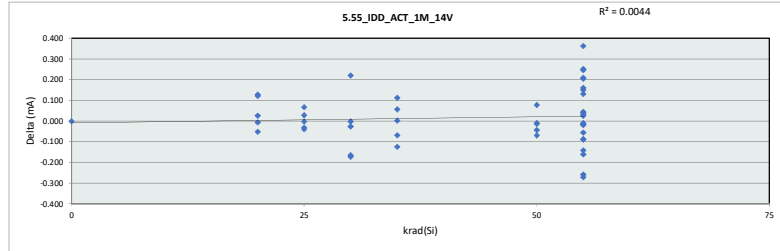


**HDR TID Report
TPS7H5007-SEP**

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

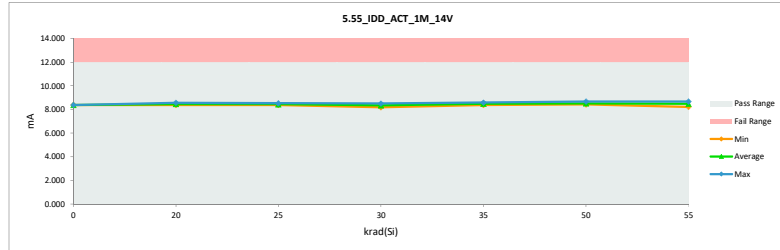
5.55_IDD_ACT_1M_14V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	12
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.387	8.386	-0.001
25	1	8.392	8.459	0.067
25	2	8.367	8.395	0.028
25	3	8.430	8.390	-0.040
25	4	8.472	8.470	-0.002
25	5	8.552	8.520	-0.032
20	6	8.452	8.573	0.121
20	7	8.371	8.499	0.128
20	8	8.417	8.443	0.026
20	9	8.431	8.379	-0.052
20	10	8.469	8.462	-0.007
35	11	8.378	8.490	0.112
35	12	8.502	8.377	-0.125
35	13	8.483	8.485	0.002
35	14	8.569	8.500	-0.069
35	15	8.523	8.579	0.056
30	16	8.278	8.498	0.220
30	17	8.358	8.186	-0.172
30	18	8.404	8.377	-0.027
30	19	8.350	8.348	-0.002
30	20	8.528	8.363	-0.165
55	21	8.558	8.591	0.033
55	22	8.351	8.597	0.246
55	23	8.393	8.437	0.044
55	24	8.487	8.431	-0.056
55	25	8.535	8.519	-0.016
55	26	8.354	8.559	0.205
55	27	8.423	8.448	0.025
55	28	8.080	8.442	0.362
55	29	8.304	8.217	-0.087
55	30	8.562	8.290	-0.272
55	31	8.385	8.636	0.251
55	32	8.406	8.447	0.041
55	33	8.337	8.487	0.150
55	34	8.569	8.310	-0.259
55	35	8.332	8.541	0.209
55	36	8.421	8.411	-0.010
55	37	8.631	8.470	-0.161
55	38	8.698	8.608	-0.090
55	39	8.513	8.673	0.160
55	40	8.647	8.505	-0.142
55	41	8.506	8.636	0.130
55	42	8.513	8.493	-0.020
50	43	8.495	8.572	0.077
50	44	8.483	8.470	-0.013
50	45	8.499	8.455	-0.044
50	46	8.683	8.673	-0.010
50	47	8.496	8.426	-0.070
	Max	8.698	8.673	0.362
	Average	8.454	8.469	0.016
	Min	8.080	8.186	-0.272
	Std Dev	0.112	0.106	0.131



5.55_IDD_ACT_1M_14V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	12
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	8.386	8.379	8.390	8.186	8.377	8.426	8.217
Average	8.386	8.471	8.447	8.354	8.486	8.519	8.489
Max	8.386	8.573	8.520	8.498	8.579	8.673	8.673
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000

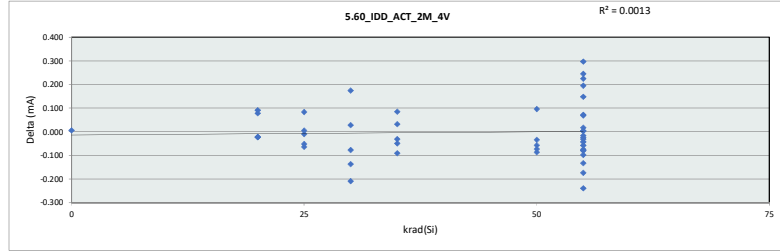


**HDR TID Report
TPS7H5007-SEP**

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

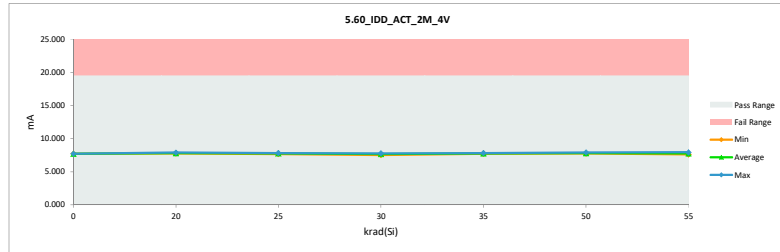
5.60_IDD_ACT_2M_4V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	19.5
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.722	7.728	0.006
25	1	7.677	7.760	0.083
25	2	7.748	7.684	-0.064
25	3	7.772	7.762	-0.010
25	4	7.796	7.801	0.005
25	5	7.879	7.827	-0.052
20	6	7.804	7.882	0.078
20	7	7.737	7.828	0.091
20	8	7.800	7.778	-0.022
20	9	7.791	7.769	-0.022
20	10	7.838	7.815	-0.023
35	11	7.741	7.826	0.085
35	12	7.767	7.718	-0.049
35	13	7.819	7.728	-0.091
35	14	7.792	7.824	0.032
35	15	7.821	7.790	-0.031
30	16	7.619	7.793	0.174
30	17	7.672	7.535	-0.137
30	18	7.754	7.677	-0.077
30	19	7.663	7.691	0.028
30	20	7.853	7.644	-0.209
55	21	7.888	7.891	0.003
55	22	7.681	7.906	0.225
55	23	7.726	7.730	0.004
55	24	7.830	7.750	-0.080
55	25	7.885	7.854	-0.031
55	26	7.606	7.903	0.297
55	27	7.772	7.674	-0.098
55	28	7.516	7.761	0.245
55	29	7.653	7.610	-0.043
55	30	7.864	7.625	-0.239
55	31	7.696	7.891	0.195
55	32	7.753	7.737	-0.016
55	33	7.737	7.806	0.069
55	34	7.877	7.703	-0.174
55	35	7.680	7.828	0.148
55	36	7.755	7.730	-0.025
55	37	7.927	7.794	-0.133
55	38	7.976	7.897	-0.079
55	39	7.864	7.936	0.072
55	40	7.890	7.832	-0.058
55	41	7.848	7.865	0.017
55	42	7.871	7.797	-0.074
50	43	7.802	7.898	0.096
50	44	7.808	7.751	-0.057
50	45	7.828	7.741	-0.087
50	46	7.946	7.912	-0.034
50	47	7.837	7.764	-0.073
Max		7.976	7.936	0.297
Average		7.783	7.780	-0.003
Min		7.516	7.535	-0.239
Std Dev		0.093	0.088	0.111



5.60_IDD_ACT_2M_4V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	19.5
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	7.728	7.769	7.684	7.535	7.718	7.741	7.610
Average	7.728	7.814	7.767	7.668	7.777	7.813	7.796
Max	7.728	7.882	7.827	7.793	7.826	7.912	7.936
UL	19.500	19.500	19.500	19.500	19.500	19.500	19.500

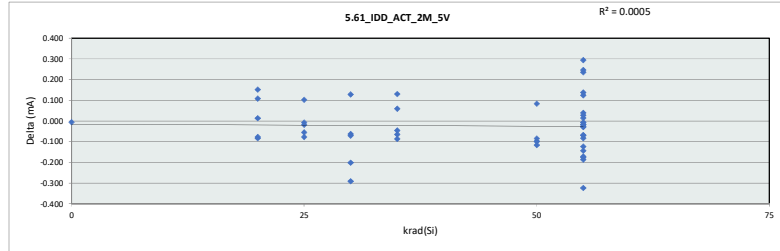


**HDR TID Report
TPS7H5007-SEP**

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

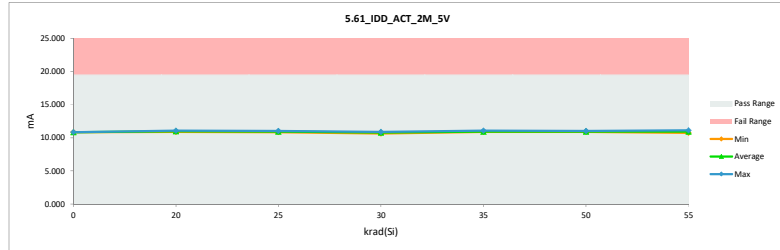
5.61_IDD_ACT_2M_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	19.5
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	10.866	10.860	-0.006
25	1	10.857	10.959	0.102
25	2	10.934	10.856	-0.078
25	3	10.967	10.949	-0.018
25	4	10.992	10.984	-0.008
25	5	11.094	11.039	-0.055
20	6	10.933	11.084	0.151
20	7	10.890	10.998	0.108
20	8	10.942	10.955	0.013
20	9	10.888	10.904	-0.064
20	10	11.088	11.010	-0.078
35	11	10.947	11.077	0.130
35	12	10.967	10.921	-0.046
35	13	10.961	10.874	-0.087
35	14	10.907	10.966	0.059
35	15	10.937	10.871	-0.066
30	16	10.767	10.895	0.128
30	17	10.862	10.660	-0.202
30	18	10.929	10.866	-0.063
30	19	10.891	10.820	-0.071
30	20	11.106	10.814	-0.292
55	21	11.121	11.114	-0.007
55	22	10.869	11.104	0.235
55	23	10.915	10.897	-0.018
55	24	11.040	10.916	-0.124
55	25	11.070	11.043	-0.027
55	26	10.758	11.052	0.294
55	27	10.904	10.732	-0.172
55	28	10.639	10.885	0.246
55	29	10.840	10.770	-0.070
55	30	11.110	10.786	-0.324
55	31	10.917	11.041	0.124
55	32	10.871	10.885	0.014
55	33	10.959	10.998	0.039
55	34	11.088	10.901	-0.187
55	35	10.892	11.029	0.137
55	36	10.975	10.945	-0.030
55	37	11.166	10.990	-0.176
55	38	11.191	11.108	-0.083
55	39	11.084	11.111	0.027
55	40	11.025	10.957	-0.068
55	41	11.087	10.943	-0.144
55	42	11.023	11.006	-0.017
50	43	10.962	11.045	0.083
50	44	11.040	10.941	-0.099
50	45	11.025	10.926	-0.099
50	46	11.089	11.004	-0.085
50	47	11.034	10.917	-0.117
Max		11.191	11.114	0.294
Average		10.969	10.946	-0.023
Min		10.639	10.660	-0.324
Std Dev		0.110	0.102	0.128



5.61_IDD_ACT_2M_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	19.5
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	10.860	10.904	10.856	10.660	10.871	10.917	10.732
Average	10.860	10.990	10.957	10.811	10.942	10.967	10.964
Max	10.860	11.084	11.039	10.895	11.077	11.045	11.114
UL	19.500	19.500	19.500	19.500	19.500	19.500	19.500

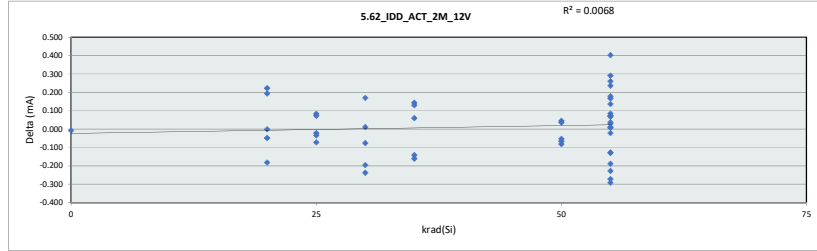


**HDR TID Report
TPS7H5007-SEP**

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

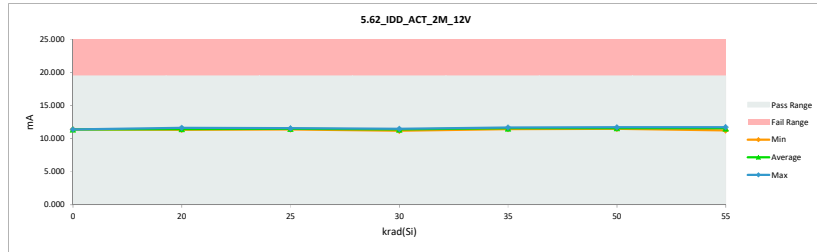
5.62_IDD_ACT_2M_12V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	19.5 19.5
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	11.411	11.404	-0.007
25	1	11.456	11.539	0.083
25	2	11.373	11.446	0.073
25	3	11.441	11.407	-0.034
25	4	11.528	11.507	-0.021
25	5	11.634	11.562	-0.072
20	6	11.423	11.646	0.223
20	7	11.322	11.516	0.194
20	8	11.422	11.421	-0.001
20	9	11.403	11.355	-0.048
20	10	11.618	11.432	-0.181
35	11	11.466	11.609	0.143
35	12	11.605	11.445	-0.160
35	13	11.513	11.573	0.060
35	14	11.723	11.582	-0.141
35	15	11.556	11.686	0.130
30	16	11.325	11.495	0.170
30	17	11.424	11.187	-0.237
30	18	11.428	11.439	0.011
30	19	11.446	11.370	-0.076
30	20	11.641	11.446	-0.195
55	21	11.662	11.691	0.029
55	22	11.388	11.679	0.291
55	23	11.506	11.485	-0.021
55	24	11.552	11.563	0.011
55	25	11.591	11.598	0.007
55	26	11.495	11.632	0.137
55	27	11.421	11.489	0.068
55	28	11.063	11.466	0.403
55	29	11.371	11.244	-0.127
55	30	11.663	11.372	-0.291
55	31	11.462	11.723	0.261
55	32	11.414	11.499	0.085
55	33	11.442	11.609	0.167
55	34	11.670	11.443	-0.227
55	35	11.426	11.663	0.237
55	36	11.488	11.526	0.038
55	37	11.716	11.528	-0.188
55	38	11.821	11.692	-0.129
55	39	11.575	11.754	0.179
55	40	11.788	11.517	-0.271
55	41	11.636	11.709	0.073
55	42	11.518	11.591	0.073
50	43	11.580	11.625	0.045
50	44	11.588	11.624	0.036
50	45	11.576	11.523	-0.053
50	46	11.791	11.710	-0.081
50	47	11.577	11.511	-0.066
Max		11.821	11.754	0.403
Average		11.520	11.532	0.013
Min		11.063	11.187	-0.291
Std Dev		0.141	0.124	0.154



5.62_IDD_ACT_2M_12V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	19.5 19.5
Min Limit	0 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	11.404	11.355	11.407	11.187	11.445	11.511	11.244
Average	11.404	11.475	11.492	11.387	11.579	11.599	11.567
Max	11.404	11.646	11.562	11.495	11.686	11.710	11.754
UL	19.500	19.500	19.500	19.500	19.500	19.500	19.500

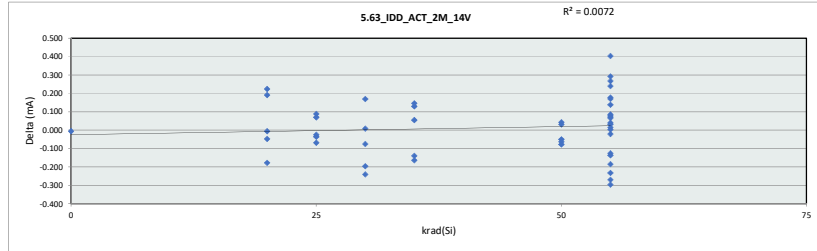


**HDR TID Report
TPS7H5007-SEP**

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

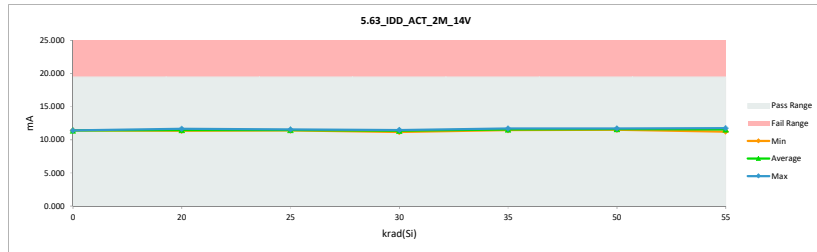
5.63_IDD_ACT_2M_14V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	19.5
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	11.416	11.410	-0.006
25	1	11.459	11.547	0.088
25	2	11.380	11.450	0.070
25	3	11.446	11.410	-0.036
25	4	11.534	11.509	-0.025
25	5	11.637	11.568	-0.069
20	6	11.430	11.653	0.223
20	7	11.329	11.519	0.190
20	8	11.428	11.422	-0.006
20	9	11.408	11.360	-0.048
20	10	11.625	11.447	-0.178
35	11	11.470	11.616	0.146
35	12	11.608	11.444	-0.164
35	13	11.519	11.573	0.054
35	14	11.725	11.585	-0.140
35	15	11.560	11.689	0.129
30	16	11.331	11.500	0.169
30	17	11.430	11.189	-0.241
30	18	11.435	11.443	0.008
30	19	11.450	11.374	-0.076
30	20	11.646	11.450	-0.196
55	21	11.661	11.693	0.032
55	22	11.391	11.683	0.292
55	23	11.512	11.491	-0.021
55	24	11.551	11.566	0.015
55	25	11.597	11.600	0.003
55	26	11.498	11.636	0.138
55	27	11.430	11.496	0.066
55	28	11.069	11.472	0.403
55	29	11.374	11.248	-0.126
55	30	11.669	11.373	-0.296
55	31	11.460	11.727	0.267
55	32	11.417	11.502	0.085
55	33	11.445	11.615	0.170
55	34	11.679	11.446	-0.233
55	35	11.429	11.668	0.239
55	36	11.491	11.531	0.040
55	37	11.718	11.533	-0.185
55	38	11.829	11.692	-0.137
55	39	11.580	11.757	0.177
55	40	11.792	11.522	-0.270
55	41	11.638	11.716	0.078
55	42	11.525	11.596	0.071
50	43	11.584	11.627	0.043
50	44	11.597	11.628	0.031
50	45	11.577	11.527	-0.050
50	46	11.795	11.717	-0.078
50	47	11.581	11.518	-0.063
	Max	11.829	11.757	0.403
	Average	11.524	11.536	0.012
	Min	11.069	11.189	-0.296
	Std Dev	0.140	0.124	0.155



5.63_IDD_ACT_2M_14V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	19.5
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	11.410	11.360	11.410	11.189	11.444	11.518	11.248
Average	11.410	11.480	11.497	11.391	11.581	11.603	11.571
Max	11.410	11.653	11.568	11.500	11.689	11.717	11.757
UL	19.500	19.500	19.500	19.500	19.500	19.500	19.500

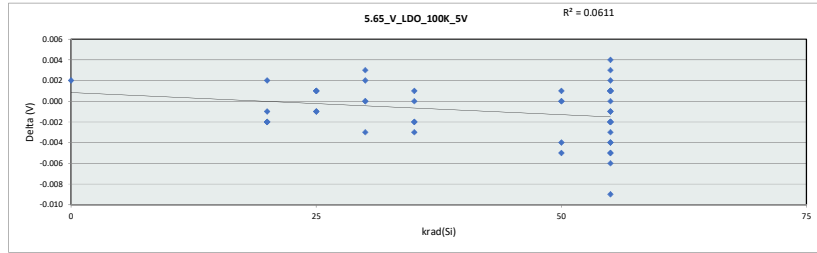


**HDR TID Report
TPS7H5007-SEP**

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

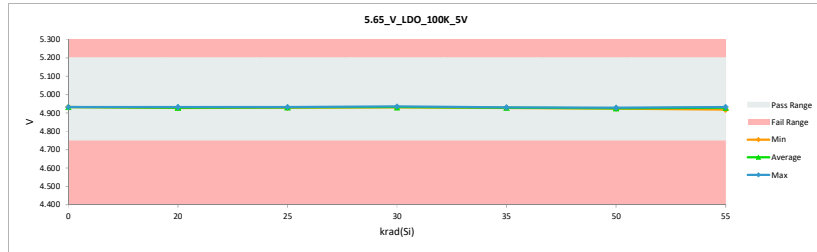
5.65_V_LDO_100K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	4.930	4.932		0.002
25	1	4.932	4.931		-0.001
25	2	4.931	4.932		0.001
25	3	4.930	4.931		0.001
25	4	4.930	4.929		-0.001
25	5	4.929	4.930		0.001
20	6	4.930	4.928		-0.002
20	7	4.931	4.929		-0.002
20	8	4.931	4.930		-0.001
20	9	4.930	4.932		0.002
20	10	4.931	4.929		-0.002
35	11	4.932	4.929		-0.003
35	12	4.931	4.929		-0.002
35	13	4.931	4.929		-0.002
35	14	4.929	4.930		0.001
35	15	4.928	4.928		0.000
30	16	4.933	4.930		-0.003
30	17	4.932	4.935		0.003
30	18	4.931	4.931		0.000
30	19	4.932	4.932		0.000
30	20	4.929	4.931		0.002
55	21	4.929	4.928		-0.001
55	22	4.931	4.927		-0.004
55	23	4.931	4.929		-0.002
55	24	4.930	4.931		0.001
55	25	4.928	4.929		0.001
55	26	4.933	4.928		-0.005
55	27	4.930	4.931		0.001
55	28	4.935	4.929		-0.006
55	29	4.933	4.933		0.000
55	30	4.929	4.932		0.003
55	31	4.932	4.927		-0.005
55	32	4.931	4.930		-0.001
55	33	4.932	4.930		-0.002
55	34	4.929	4.933		0.004
55	35	4.933	4.930		-0.003
55	36	4.931	4.932		0.001
55	37	4.928	4.930		0.002
55	38	4.927	4.928		0.001
55	39	4.927	4.923		-0.004
55	40	4.927	4.925		-0.002
55	41	4.927	4.925		-0.002
55	42	4.927	4.918		-0.009
50	43	4.929	4.924		-0.005
50	44	4.929	4.925		-0.004
50	45	4.927	4.927		0.000
50	46	4.926	4.926		0.000
50	47	4.928	4.929		0.001
	Max	4.935	4.935		0.004
	Average	4.930	4.929		-0.001
	Min	4.926	4.918		-0.009
	Std Dev	0.002	0.003		0.003



5.65_V_LDO_100K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
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	4.928	4.929	4.930	4.928	4.924	4.918
Average	4.932	4.930	4.931	4.932	4.929	4.926	4.929
Max	4.932	4.932	4.932	4.935	4.930	4.929	4.933
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

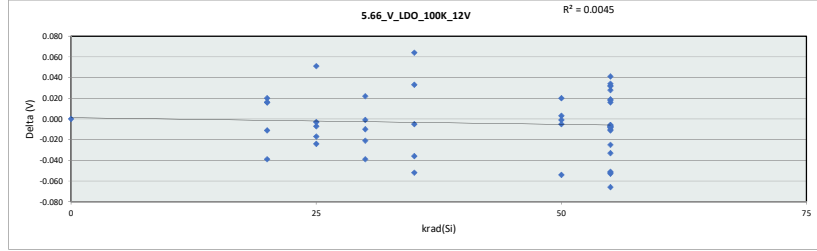


**HDR TID Report
TPS7H5007-SEP**

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

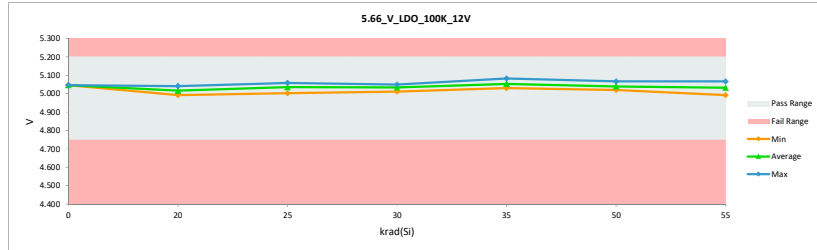
5.66_V_LDO_100K_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	5.047	5.047		0.000
25	1	5.062	5.059		-0.003
25	2	5.007	5.058		0.051
25	3	5.020	5.003		-0.017
25	4	5.042	5.018		-0.024
25	5	5.045	5.038		-0.007
20	6	5.026	5.042		0.016
20	7	5.006	5.022		0.016
20	8	5.019	5.008		-0.011
20	9	4.996	5.016		0.020
20	10	5.031	4.992		-0.039
35	11	5.035	5.030		-0.005
35	12	5.084	5.032		-0.052
35	13	5.050	5.083		0.033
35	14	5.083	5.047		-0.036
35	15	5.014	5.078		0.064
30	16	5.050	5.011		-0.039
30	17	5.057	5.047		-0.010
30	18	5.028	5.050		0.022
30	19	5.043	5.022		-0.021
30	20	5.042	5.041		-0.001
55	21	5.042	5.034		-0.008
55	22	5.040	5.033		-0.007
55	23	5.061	5.036		-0.025
55	24	5.029	5.048		0.019
55	25	5.031	5.025		-0.006
55	26	5.080	5.028		-0.052
55	27	5.033	5.067		0.034
55	28	4.999	5.031		0.032
55	29	5.045	4.992		-0.053
55	30	5.045	5.037		-0.008
55	31	5.048	5.037		-0.011
55	32	5.047	5.040		-0.007
55	33	5.016	5.044		0.028
55	34	5.066	5.015		-0.051
55	35	5.043	5.061		0.018
55	36	5.022	5.038		0.016
55	37	5.046	5.013		-0.033
55	38	5.050	5.040		-0.010
55	39	5.004	5.045		0.041
55	40	5.064	4.998		-0.066
55	41	5.024	5.056		0.032
55	42	5.021	5.015		-0.006
50	43	5.074	5.020		-0.054
50	44	5.047	5.067		0.020
50	45	5.039	5.042		0.003
50	46	5.036	5.035		-0.001
50	47	5.039	5.034		-0.005
Max		5.084	5.083		0.064
Average		5.039	5.035		-0.004
Min		4.996	4.992		-0.066
Std Dev		0.021	0.020		0.030



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)	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.047	4.992	5.003	5.011	5.030	5.020	4.992
Average	5.047	5.016	5.035	5.034	5.054	5.040	5.033
Max	5.047	5.042	5.059	5.050	5.083	5.067	5.067
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

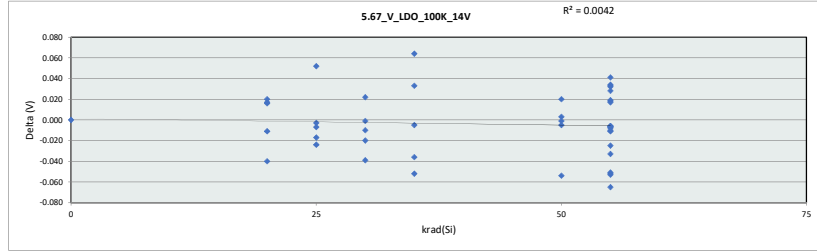


**HDR TID Report
TPS7H5007-SEP**

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

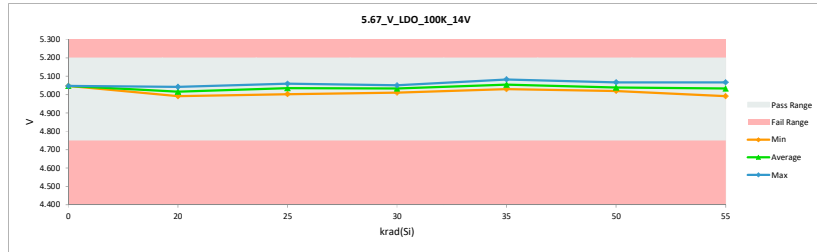
5.67_V_LDO_100K_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	5.047	5.047	0.000
25	1	5.062	5.059	-0.003
25	2	5.006	5.058	0.052
25	3	5.020	5.003	-0.017
25	4	5.042	5.018	-0.024
25	5	5.045	5.038	-0.007
20	6	5.026	5.042	0.016
20	7	5.005	5.022	0.017
20	8	5.019	5.008	-0.011
20	9	4.996	5.016	0.020
20	10	5.031	4.991	-0.040
35	11	5.035	5.030	-0.005
35	12	5.084	5.032	-0.052
35	13	5.050	5.083	0.033
35	14	5.083	5.047	-0.036
35	15	5.014	5.078	0.064
30	16	5.050	5.011	-0.039
30	17	5.057	5.047	-0.010
30	18	5.028	5.050	0.022
30	19	5.042	5.022	-0.020
30	20	5.041	5.040	-0.001
55	21	5.042	5.034	-0.008
55	22	5.039	5.033	-0.006
55	23	5.061	5.036	-0.025
55	24	5.029	5.048	0.019
55	25	5.031	5.025	-0.006
55	26	5.080	5.028	-0.052
55	27	5.033	5.067	0.034
55	28	4.998	5.031	0.033
55	29	5.045	4.992	-0.053
55	30	5.045	5.038	-0.007
55	31	5.048	5.037	-0.011
55	32	5.047	5.040	-0.007
55	33	5.016	5.044	0.028
55	34	5.066	5.015	-0.051
55	35	5.043	5.061	0.018
55	36	5.021	5.038	0.017
55	37	5.046	5.013	-0.033
55	38	5.050	5.040	-0.010
55	39	5.004	5.045	0.041
55	40	5.064	4.999	-0.065
55	41	5.024	5.056	0.032
55	42	5.021	5.015	-0.006
50	43	5.074	5.020	-0.054
50	44	5.047	5.067	0.020
50	45	5.039	5.042	0.003
50	46	5.036	5.035	-0.001
50	47	5.039	5.034	-0.005
Max		5.084	5.083	0.064
Average		5.039	5.035	-0.004
Min		4.996	4.991	-0.065
Std Dev		0.021	0.020	0.030



5.67_V_LDO_100K_14V	
Test Site	
Tester	
Test Number	
Unit	V V
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	5.047	4.991	5.003	5.011	5.030	5.020	4.992
Average	5.047	5.016	5.035	5.034	5.054	5.040	5.033
Max	5.047	5.042	5.059	5.050	5.083	5.067	5.067
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

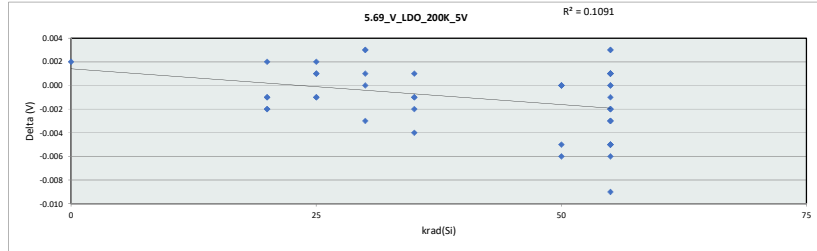


**HDR TID Report
TPS7H5007-SEP**

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

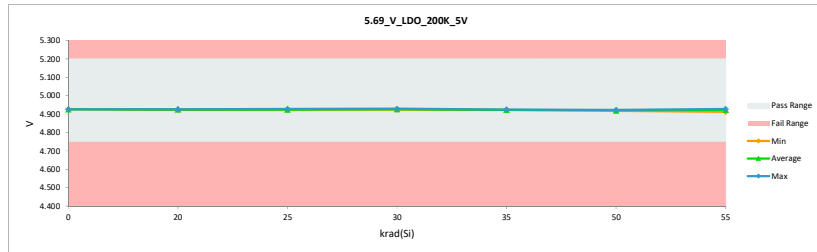
5.69_V_LDO_200K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	4.924	4.926	0.002
25	1	4.926	4.925	-0.001
25	2	4.926	4.927	0.001
25	3	4.925	4.926	0.001
25	4	4.925	4.924	-0.001
25	5	4.923	4.925	0.002
20	6	4.924	4.923	-0.001
20	7	4.925	4.923	-0.002
20	8	4.925	4.924	-0.001
20	9	4.924	4.926	0.002
20	10	4.926	4.924	-0.002
35	11	4.927	4.923	-0.004
35	12	4.925	4.924	-0.001
35	13	4.925	4.923	-0.002
35	14	4.924	4.925	0.001
35	15	4.923	4.922	-0.001
30	16	4.927	4.924	-0.003
30	17	4.926	4.929	0.003
30	18	4.925	4.926	0.001
30	19	4.926	4.926	0.000
30	20	4.923	4.926	0.003
55	21	4.924	4.922	-0.002
55	22	4.926	4.921	-0.005
55	23	4.926	4.923	-0.003
55	24	4.924	4.925	0.001
55	25	4.923	4.924	0.001
55	26	4.927	4.922	-0.005
55	27	4.925	4.925	0.000
55	28	4.929	4.923	-0.006
55	29	4.927	4.927	0.000
55	30	4.923	4.926	0.003
55	31	4.926	4.921	-0.005
55	32	4.926	4.924	-0.002
55	33	4.927	4.924	-0.003
55	34	4.924	4.927	0.003
55	35	4.927	4.925	-0.002
55	36	4.925	4.926	0.001
55	37	4.923	4.924	0.001
55	38	4.921	4.922	0.001
55	39	4.922	4.917	-0.005
55	40	4.922	4.919	-0.003
55	41	4.921	4.920	-0.001
55	42	4.921	4.912	-0.009
50	43	4.924	4.918	-0.006
50	44	4.924	4.919	-0.005
50	45	4.921	4.921	0.000
50	46	4.920	4.920	0.000
50	47	4.923	4.923	0.000
	Max	4.929	4.929	0.003
	Average	4.924	4.923	-0.001
	Min	4.920	4.912	-0.009
	Std Dev	0.002	0.003	0.003



5.69_V_LDO_200K_5V	
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	4.926	4.923	4.924	4.924	4.922	4.918	4.912
Average	4.926	4.924	4.925	4.926	4.923	4.920	4.923
Max	4.926	4.926	4.927	4.929	4.925	4.923	4.927
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

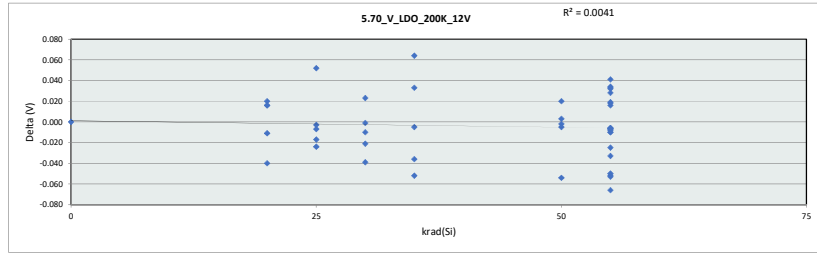


**HDR TID Report
TPS7H5007-SEP**

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

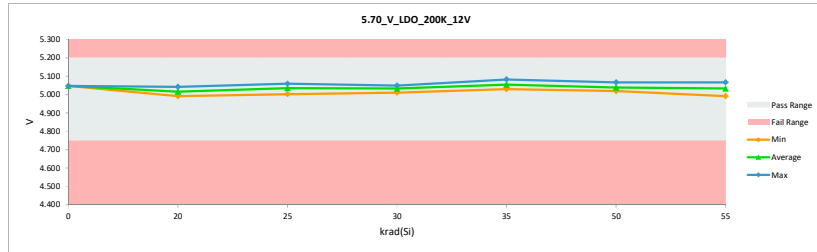
5.70_V_LDO_200K_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	5.047	5.047	0.000
25	1	5.062	5.059	-0.003
25	2	5.006	5.058	0.052
25	3	5.020	5.003	-0.017
25	4	5.041	5.017	-0.024
25	5	5.045	5.038	-0.007
20	6	5.026	5.042	0.016
20	7	5.006	5.022	0.016
20	8	5.019	5.008	-0.011
20	9	4.996	5.016	0.020
20	10	5.031	4.991	-0.040
35	11	5.035	5.030	-0.005
35	12	5.084	5.032	-0.052
35	13	5.050	5.083	0.033
35	14	5.083	5.047	-0.036
35	15	5.014	5.078	0.064
30	16	5.050	5.011	-0.039
30	17	5.057	5.047	-0.010
30	18	5.027	5.050	0.023
30	19	5.042	5.021	-0.021
30	20	5.041	5.040	-0.001
55	21	5.042	5.034	-0.008
55	22	5.039	5.033	-0.006
55	23	5.061	5.036	-0.025
55	24	5.029	5.048	0.019
55	25	5.031	5.025	-0.006
55	26	5.080	5.028	-0.052
55	27	5.033	5.067	0.034
55	28	4.999	5.031	0.032
55	29	5.045	4.992	-0.053
55	30	5.044	5.037	-0.007
55	31	5.047	5.037	-0.010
55	32	5.047	5.040	-0.007
55	33	5.016	5.044	0.028
55	34	5.065	5.015	-0.050
55	35	5.043	5.061	0.018
55	36	5.022	5.038	0.016
55	37	5.046	5.013	-0.033
55	38	5.050	5.040	-0.010
55	39	5.004	5.045	0.041
55	40	5.064	4.998	-0.066
55	41	5.023	5.056	0.033
55	42	5.021	5.015	-0.006
50	43	5.074	5.020	-0.054
50	44	5.047	5.067	0.020
50	45	5.039	5.042	0.003
50	46	5.036	5.034	-0.002
50	47	5.039	5.034	-0.005
Max		5.084	5.083	0.064
Average		5.039	5.035	-0.004
Min		4.996	4.991	-0.066
Std Dev		0.021	0.021	0.030



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

	0	20	25	30	35	50	55
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.047	4.991	5.003	5.011	5.030	5.020	4.992
Average	5.047	5.016	5.035	5.034	5.054	5.039	5.033
Max	5.047	5.042	5.059	5.050	5.083	5.067	5.067
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

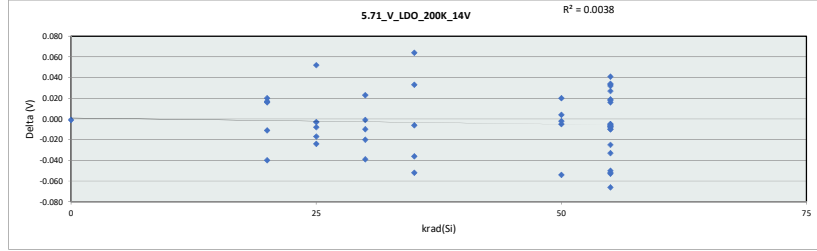


**HDR TID Report
TPS7H5007-SEP**

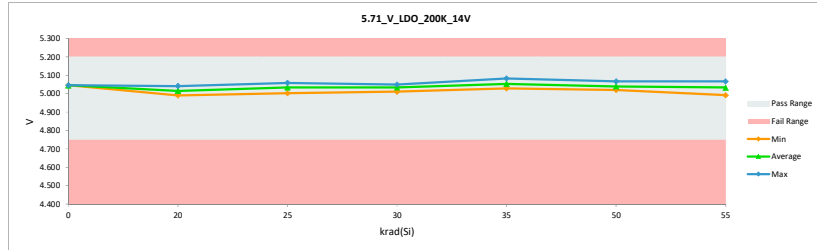
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

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

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	5.047	5.046	-0.001
25	1	5.062	5.059	-0.003
25	2	5.006	5.058	0.052
25	3	5.020	5.003	-0.017
25	4	5.041	5.017	-0.024
25	5	5.045	5.037	-0.008
20	6	5.026	5.042	0.016
20	7	5.005	5.022	0.017
20	8	5.019	5.008	-0.011
20	9	4.996	5.016	0.020
20	10	5.031	4.991	-0.040
35	11	5.035	5.029	-0.006
35	12	5.083	5.031	-0.052
35	13	5.050	5.083	0.033
35	14	5.083	5.047	-0.036
35	15	5.014	5.078	0.064
30	16	5.050	5.011	-0.039
30	17	5.057	5.047	-0.010
30	18	5.027	5.050	0.023
30	19	5.042	5.022	-0.020
30	20	5.041	5.040	-0.001
55	21	5.042	5.034	-0.008
55	22	5.039	5.033	-0.006
55	23	5.061	5.036	-0.025
55	24	5.029	5.048	0.019
55	25	5.030	5.025	-0.005
55	26	5.080	5.028	-0.052
55	27	5.033	5.067	0.034
55	28	4.998	5.031	0.033
55	29	5.045	4.992	-0.053
55	30	5.044	5.037	-0.007
55	31	5.047	5.037	-0.010
55	32	5.047	5.040	-0.007
55	33	5.016	5.043	0.027
55	34	5.065	5.015	-0.050
55	35	5.043	5.061	0.018
55	36	5.022	5.038	0.016
55	37	5.046	5.013	-0.033
55	38	5.050	5.040	-0.010
55	39	5.004	5.045	0.041
55	40	5.064	4.998	-0.066
55	41	5.023	5.055	0.032
55	42	5.020	5.015	-0.005
50	43	5.074	5.020	-0.054
50	44	5.047	5.067	0.020
50	45	5.038	5.042	0.004
50	46	5.036	5.034	-0.002
50	47	5.039	5.034	-0.005
Max		5.083	5.083	0.064
Average		5.039	5.035	-0.004
Min		4.996	4.991	-0.066
Std Dev		0.021	0.021	0.030



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
LL	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.046	4.991	5.003	5.011	5.029	5.020
Average	5.046	5.016	5.035	5.034	5.054	5.039
Max	5.046	5.042	5.059	5.050	5.083	5.067
UL	5.200	5.200	5.200	5.200	5.200	5.200

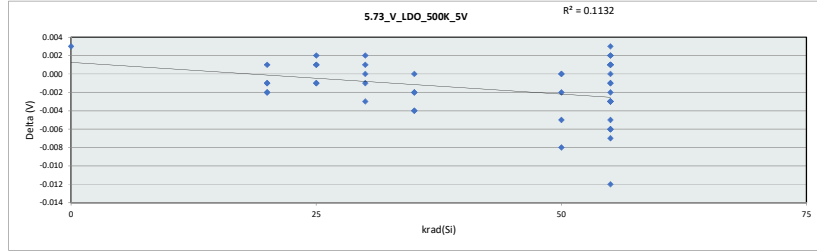


**HDR TID Report
TPS7H5007-SEP**

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

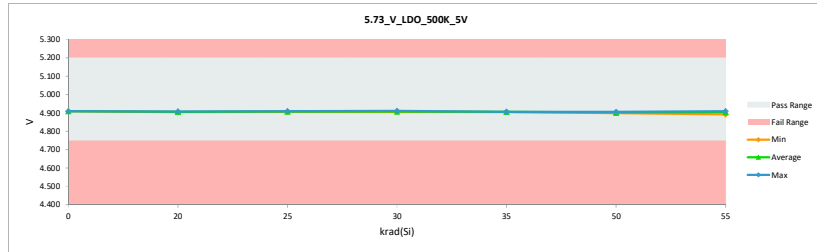
5.73_V_LDO_500K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	4.906	4.909	0.003
25	1	4.909	4.908	-0.001
25	2	4.908	4.910	0.002
25	3	4.907	4.908	0.001
25	4	4.907	4.906	-0.001
25	5	4.906	4.907	0.001
20	6	4.907	4.905	-0.002
20	7	4.907	4.906	-0.001
20	8	4.908	4.907	-0.001
20	9	4.907	4.908	0.001
20	10	4.908	4.906	-0.002
35	11	4.909	4.905	-0.004
35	12	4.909	4.905	-0.004
35	13	4.908	4.906	-0.002
35	14	4.907	4.907	0.000
35	15	4.906	4.904	-0.002
30	16	4.910	4.907	-0.003
30	17	4.909	4.911	0.002
30	18	4.908	4.908	0.000
30	19	4.910	4.909	-0.001
30	20	4.907	4.908	0.001
55	21	4.906	4.905	-0.001
55	22	4.909	4.903	-0.006
55	23	4.909	4.906	-0.003
55	24	4.907	4.908	0.001
55	25	4.906	4.906	0.000
55	26	4.910	4.905	-0.005
55	27	4.907	4.908	0.001
55	28	4.912	4.905	-0.007
55	29	4.910	4.909	-0.001
55	30	4.907	4.909	0.002
55	31	4.909	4.903	-0.006
55	32	4.909	4.907	-0.002
55	33	4.910	4.907	-0.003
55	34	4.907	4.910	0.003
55	35	4.910	4.907	-0.003
55	36	4.908	4.909	0.001
55	37	4.906	4.907	0.001
55	38	4.903	4.905	0.002
55	39	4.905	4.899	-0.006
55	40	4.904	4.901	-0.003
55	41	4.904	4.901	-0.003
55	42	4.904	4.892	-0.012
50	43	4.907	4.899	-0.008
50	44	4.906	4.901	-0.005
50	45	4.904	4.902	-0.002
50	46	4.903	4.903	0.000
50	47	4.906	4.906	0.000
Max		4.912	4.911	0.003
Average		4.907	4.906	-0.002
Min		4.903	4.892	-0.012
Std Dev		0.002	0.003	0.003



5.73_V_LDO_500K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
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	4.905	4.906	4.907	4.904	4.899	4.892
Average	4.909	4.906	4.908	4.909	4.905	4.902	4.905
Max	4.909	4.908	4.910	4.911	4.907	4.906	4.910
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

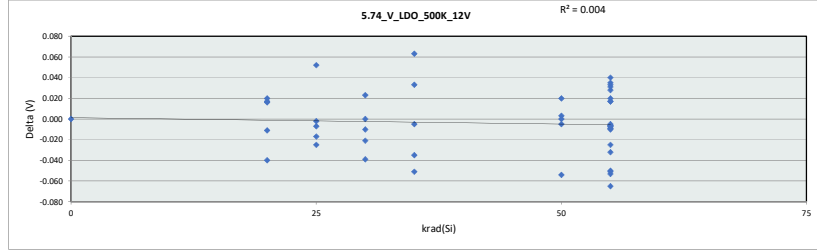


**HDR TID Report
TPS7H5007-SEP**

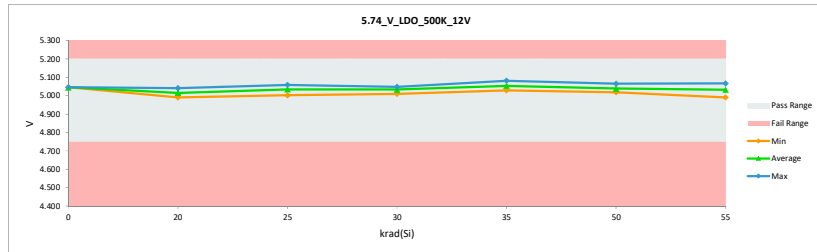
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

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 #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	5.046	5.046	0.000
25	1	5.061	5.059	-0.002
25	2	5.005	5.057	0.052
25	3	5.019	5.002	-0.017
25	4	5.041	5.016	-0.025
25	5	5.044	5.037	-0.007
20	6	5.025	5.041	0.016
20	7	5.005	5.022	0.017
20	8	5.018	5.007	-0.011
20	9	4.995	5.015	0.020
20	10	5.031	4.991	-0.040
35	11	5.034	5.029	-0.005
35	12	5.082	5.031	-0.051
35	13	5.049	5.082	0.033
35	14	5.081	5.046	-0.035
35	15	5.014	5.077	0.063
30	16	5.049	5.010	-0.039
30	17	5.056	5.046	-0.010
30	18	5.026	5.049	0.023
30	19	5.042	5.021	-0.021
30	20	5.040	5.040	0.000
55	21	5.042	5.033	-0.009
55	22	5.038	5.032	-0.006
55	23	5.060	5.035	-0.025
55	24	5.028	5.048	0.020
55	25	5.030	5.024	-0.006
55	26	5.079	5.028	-0.051
55	27	5.032	5.067	0.035
55	28	4.998	5.031	0.033
55	29	5.044	4.991	-0.053
55	30	5.043	5.036	-0.007
55	31	5.046	5.037	-0.009
55	32	5.046	5.039	-0.007
55	33	5.015	5.043	0.028
55	34	5.065	5.015	-0.050
55	35	5.042	5.059	0.017
55	36	5.021	5.038	0.017
55	37	5.045	5.013	-0.032
55	38	5.049	5.039	-0.010
55	39	5.004	5.044	0.040
55	40	5.063	4.998	-0.065
55	41	5.023	5.054	0.031
55	42	5.020	5.015	-0.005
50	43	5.073	5.019	-0.054
50	44	5.046	5.066	0.020
50	45	5.038	5.041	0.003
50	46	5.035	5.035	0.000
50	47	5.038	5.033	-0.005
Max		5.082	5.082	0.063
Average		5.038	5.034	-0.004
Min		4.995	4.991	-0.065
Std Dev		0.021	0.020	0.030



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
LL	4.750	4.750	4.750	4.750	4.750	4.750
Min	5.046	4.991	5.002	5.010	5.029	5.019
Average	5.046	5.015	5.034	5.033	5.053	5.039
Max	5.046	5.041	5.059	5.049	5.082	5.066
UL	5.200	5.200	5.200	5.200	5.200	5.200

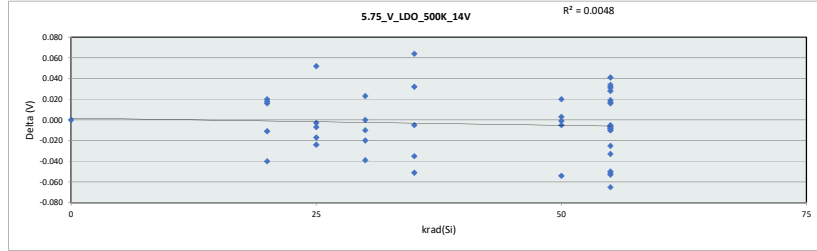


**HDR TID Report
TPS7H5007-SEP**

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

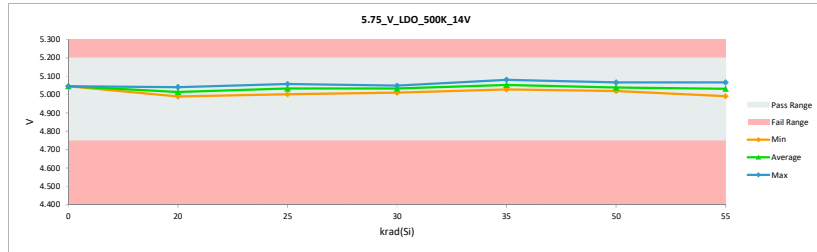
5.75_V_LDO_500K_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	5.046	5.046		0.000
25	1	5.061	5.058		-0.003
25	2	5.005	5.057		0.052
25	3	5.019	5.002		-0.017
25	4	5.040	5.016		-0.024
25	5	5.044	5.037		-0.007
20	6	5.025	5.041		0.016
20	7	5.004	5.022		0.018
20	8	5.018	5.007		-0.011
20	9	4.995	5.015		0.020
20	10	5.030	4.990		-0.040
35	11	5.034	5.029		-0.005
35	12	5.082	5.031		-0.051
35	13	5.049	5.081		0.032
35	14	5.081	5.046		-0.035
35	15	5.013	5.077		0.064
30	16	5.049	5.010		-0.039
30	17	5.056	5.046		-0.010
30	18	5.026	5.049		0.023
30	19	5.041	5.021		-0.020
30	20	5.040	5.040		0.000
55	21	5.041	5.033		-0.008
55	22	5.038	5.032		-0.006
55	23	5.060	5.035		-0.025
55	24	5.028	5.047		0.019
55	25	5.030	5.024		-0.006
55	26	5.079	5.027		-0.052
55	27	5.032	5.066		0.034
55	28	4.998	5.030		0.032
55	29	5.044	4.991		-0.053
55	30	5.043	5.036		-0.007
55	31	5.046	5.036		-0.010
55	32	5.046	5.038		-0.008
55	33	5.015	5.043		0.028
55	34	5.064	5.014		-0.050
55	35	5.042	5.059		0.017
55	36	5.021	5.037		0.016
55	37	5.045	5.012		-0.033
55	38	5.049	5.039		-0.010
55	39	5.003	5.044		0.041
55	40	5.063	4.998		-0.065
55	41	5.023	5.054		0.031
55	42	5.020	5.015		-0.005
50	43	5.073	5.019		-0.054
50	44	5.046	5.066		0.020
50	45	5.038	5.041		0.003
50	46	5.035	5.034		-0.001
50	47	5.038	5.033		-0.005
	Max	5.082	5.081		0.064
	Average	5.038	5.034		-0.004
	Min	4.995	4.990		-0.065
	Std Dev	0.021	0.020		0.030



5.75_V_LDO_500K_14V	
Test Site	
Tester	
Test Number	
Unit	V V
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	4.990	5.002	5.010	5.029	5.019	4.991
Average	5.046	5.015	5.034	5.033	5.053	5.039	5.032
Max	5.046	5.041	5.058	5.049	5.081	5.066	5.066
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

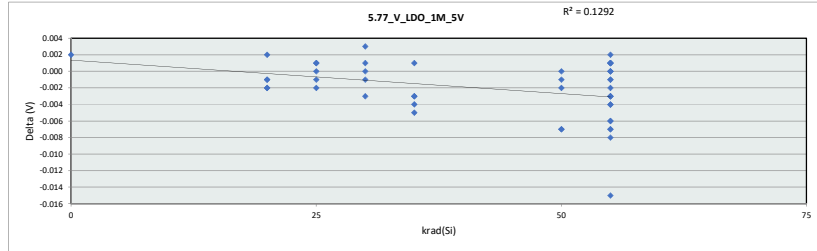


**HDR TID Report
TPS7H5007-SEP**

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

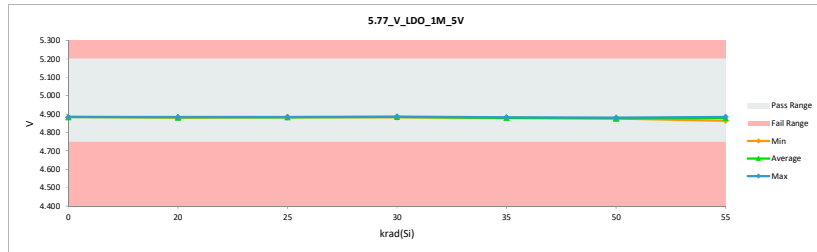
5.77_V_LDO_1M_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	4.882	4.884	0.002
25	1	4.885	4.883	-0.002
25	2	4.884	4.885	0.001
25	3	4.883	4.884	0.001
25	4	4.883	4.882	-0.001
25	5	4.882	4.882	0.000
20	6	4.883	4.881	-0.002
20	7	4.883	4.882	-0.001
20	8	4.883	4.882	-0.001
20	9	4.882	4.884	0.002
20	10	4.884	4.882	-0.002
35	11	4.884	4.880	-0.004
35	12	4.884	4.879	-0.005
35	13	4.884	4.881	-0.003
35	14	4.882	4.883	0.001
35	15	4.882	4.879	-0.003
30	16	4.885	4.882	-0.003
30	17	4.884	4.887	0.003
30	18	4.884	4.883	-0.001
30	19	4.885	4.885	0.000
30	20	4.883	4.884	0.001
55	21	4.882	4.881	-0.001
55	22	4.885	4.878	-0.007
55	23	4.885	4.881	-0.004
55	24	4.883	4.884	0.001
55	25	4.881	4.882	0.001
55	26	4.886	4.880	-0.006
55	27	4.883	4.883	0.000
55	28	4.888	4.880	-0.008
55	29	4.885	4.884	-0.001
55	30	4.883	4.884	0.001
55	31	4.885	4.879	-0.006
55	32	4.884	4.882	-0.002
55	33	4.885	4.882	-0.003
55	34	4.883	4.885	0.002
55	35	4.886	4.883	-0.003
55	36	4.884	4.884	0.000
55	37	4.882	4.882	0.000
55	38	4.879	4.880	0.001
55	39	4.880	4.873	-0.007
55	40	4.880	4.876	-0.004
55	41	4.879	4.876	-0.003
55	42	4.879	4.864	-0.015
50	43	4.882	4.875	-0.007
50	44	4.882	4.875	-0.007
50	45	4.879	4.877	-0.002
50	46	4.879	4.878	-0.001
50	47	4.881	4.881	0.000
Max		4.888	4.887	0.003
Average		4.883	4.881	-0.002
Min		4.879	4.864	-0.015
Std Dev		0.002	0.004	0.003



5.77_V_LDO_1M_5V	
Test Site	
Tester	
Test Number	
Unit	V V
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	4.884	4.881	4.882	4.882	4.879	4.875	4.864
Average	4.884	4.882	4.883	4.884	4.880	4.877	4.880
Max	4.884	4.884	4.885	4.887	4.883	4.881	4.885
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

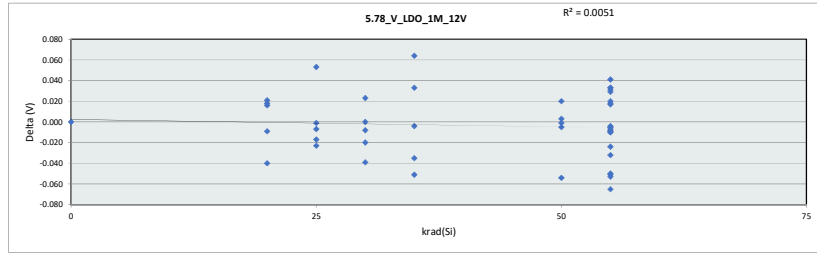


**HDR TID Report
TPS7H5007-SEP**

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

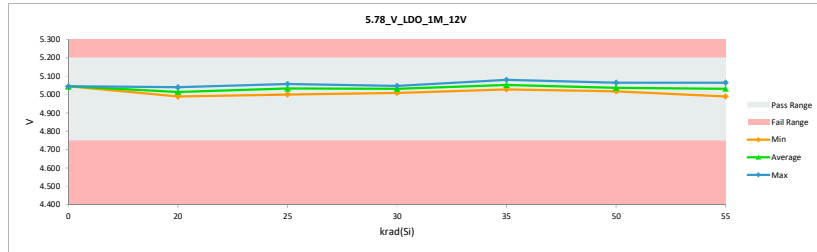
5.78_V_LDO_1M_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.75 4.75

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	5.045	5.045	0.000
25	1	5.059	5.058	-0.001
25	2	5.003	5.056	0.053
25	3	5.018	5.001	-0.017
25	4	5.039	5.016	-0.023
25	5	5.043	5.036	-0.007
20	6	5.024	5.040	0.016
20	7	5.003	5.021	0.018
20	8	5.016	5.007	-0.009
20	9	4.993	5.014	0.021
20	10	5.029	4.989	-0.040
35	11	5.032	5.028	-0.004
35	12	5.081	5.030	-0.051
35	13	5.048	5.081	0.033
35	14	5.080	5.045	-0.035
35	15	5.012	5.076	0.064
30	16	5.048	5.009	-0.039
30	17	5.054	5.046	-0.008
30	18	5.025	5.048	0.023
30	19	5.040	5.020	-0.020
30	20	5.039	5.039	0.000
55	21	5.041	5.031	-0.010
55	22	5.037	5.032	-0.005
55	23	5.059	5.035	-0.024
55	24	5.027	5.047	0.020
55	25	5.028	5.023	-0.005
55	26	5.078	5.027	-0.051
55	27	5.032	5.065	0.033
55	28	4.997	5.030	0.033
55	29	5.043	4.990	-0.053
55	30	5.042	5.035	-0.007
55	31	5.045	5.036	-0.009
55	32	5.045	5.037	-0.008
55	33	5.014	5.043	0.029
55	34	5.063	5.013	-0.050
55	35	5.041	5.058	0.017
55	36	5.019	5.037	0.018
55	37	5.044	5.012	-0.032
55	38	5.048	5.038	-0.010
55	39	5.003	5.044	0.041
55	40	5.062	4.997	-0.065
55	41	5.022	5.053	0.031
55	42	5.019	5.015	-0.004
50	43	5.072	5.018	-0.054
50	44	5.045	5.065	0.020
50	45	5.037	5.040	0.003
50	46	5.035	5.034	-0.001
50	47	5.037	5.032	-0.005
Max		5.081	5.081	0.064
Average		5.037	5.033	-0.004
Min		4.993	4.989	-0.065
Std Dev		0.021	0.020	0.030



5.78_V_LDO_1M_12V	
Test Site	
Tester	
Test Number	
Unit	V V
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	4.989	5.001	5.009	5.028	5.018	4.990
Average	5.045	5.014	5.033	5.032	5.052	5.038	5.032
Max	5.045	5.040	5.058	5.048	5.081	5.065	5.065
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

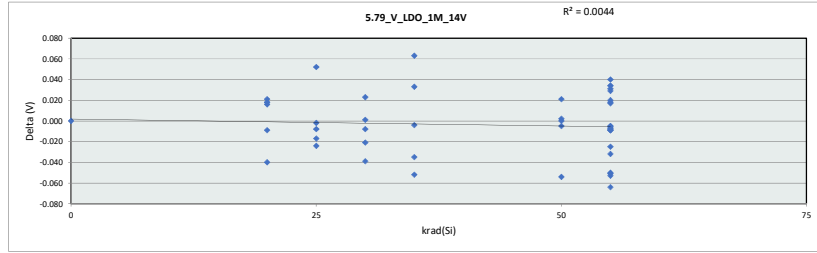


**HDR TID Report
TPS7H5007-SEP**

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

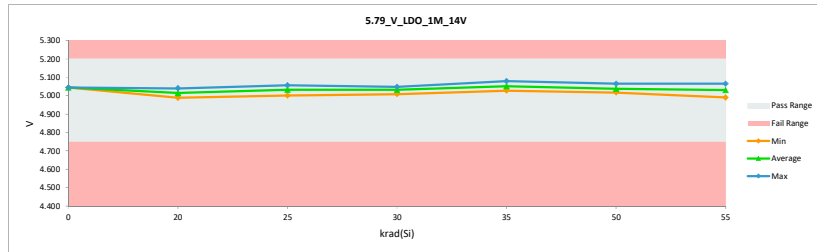
5.79_V_LDO_1M_14V		
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	5.2	5.2
Min Limit	4.75	4.75

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	5.045	5.045		0.000
25	1	5.059	5.057		-0.002
25	2	5.004	5.056		0.052
25	3	5.018	5.001		-0.017
25	4	5.039	5.015		-0.024
25	5	5.043	5.035		-0.008
20	6	5.024	5.040		0.016
20	7	5.003	5.021		0.018
20	8	5.016	5.007		-0.009
20	9	4.993	5.014		0.021
20	10	5.029	4.989		-0.040
35	11	5.032	5.028		-0.004
35	12	5.081	5.029		-0.052
35	13	5.047	5.080		0.033
35	14	5.080	5.045		-0.035
35	15	5.012	5.075		0.063
30	16	5.048	5.009		-0.039
30	17	5.054	5.046		-0.008
30	18	5.025	5.048		0.023
30	19	5.040	5.019		-0.021
30	20	5.038	5.039		0.001
55	21	5.040	5.031		-0.009
55	22	5.037	5.031		-0.006
55	23	5.059	5.034		-0.025
55	24	5.027	5.047		0.020
55	25	5.028	5.023		-0.005
55	26	5.077	5.026		-0.051
55	27	5.031	5.065		0.034
55	28	4.996	5.030		0.034
55	29	5.043	4.990		-0.053
55	30	5.042	5.035		-0.007
55	31	5.045	5.036		-0.009
55	32	5.045	5.037		-0.008
55	33	5.014	5.043		0.029
55	34	5.063	5.013		-0.050
55	35	5.041	5.058		0.017
55	36	5.019	5.037		0.018
55	37	5.044	5.012		-0.032
55	38	5.047	5.038		-0.009
55	39	5.003	5.043		0.040
55	40	5.061	4.997		-0.064
55	41	5.022	5.053		0.031
55	42	5.019	5.014		-0.005
50	43	5.072	5.018		-0.054
50	44	5.044	5.065		0.021
50	45	5.037	5.039		0.002
50	46	5.034	5.034		0.000
50	47	5.037	5.032		-0.005
Max		5.081	5.080		0.063
Average		5.037	5.033		-0.004
Min		4.993	4.989		-0.064
Std Dev		0.021	0.020		0.030



5.79_V_LDO_1M_14V		
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	5.2	5.2
Min Limit	4.75	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	5.045	4.989	5.001	5.009	5.028	5.018	4.990
Average	5.045	5.014	5.033	5.032	5.051	5.038	5.032
Max	5.045	5.040	5.057	5.048	5.080	5.065	5.065
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

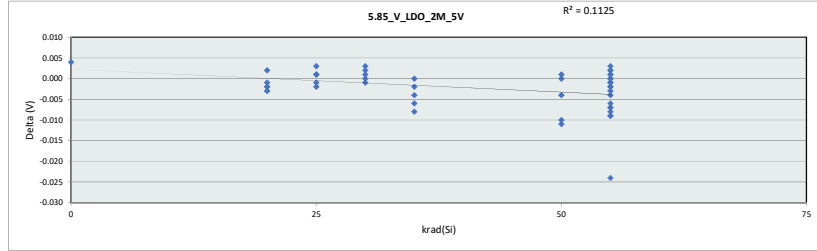


**HDR TID Report
TPS7H5007-SEP**

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

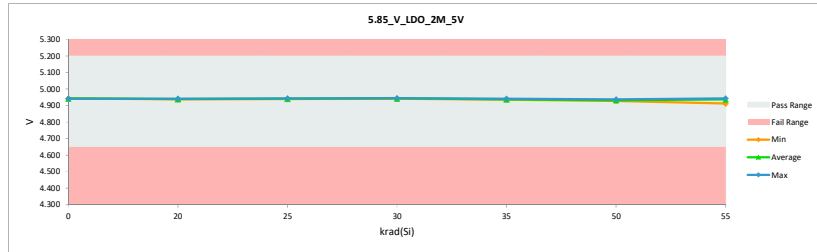
5.85_V_LDO_2M_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.65 4.65

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	4.939	4.943		0.004
25	1	4.943	4.941		-0.002
25	2	4.941	4.944		0.003
25	3	4.940	4.941		0.001
25	4	4.940	4.939		-0.001
25	5	4.939	4.940		0.001
20	6	4.941	4.938		-0.003
20	7	4.941	4.939		-0.002
20	8	4.941	4.940		-0.001
20	9	4.940	4.942		0.002
20	10	4.941	4.939		-0.002
35	11	4.942	4.936		-0.006
35	12	4.943	4.935		-0.008
35	13	4.942	4.938		-0.004
35	14	4.942	4.942		0.000
35	15	4.941	4.939		-0.002
30	16	4.943	4.943		0.000
30	17	4.942	4.945		0.003
30	18	4.942	4.941		-0.001
30	19	4.943	4.944		0.001
30	20	4.940	4.942		0.002
55	21	4.939	4.938		-0.001
55	22	4.943	4.935		-0.008
55	23	4.943	4.939		-0.004
55	24	4.941	4.941		0.000
55	25	4.939	4.940		0.001
55	26	4.945	4.938		-0.007
55	27	4.941	4.944		0.003
55	28	4.946	4.937		-0.009
55	29	4.943	4.942		-0.001
55	30	4.940	4.941		0.001
55	31	4.943	4.937		-0.006
55	32	4.943	4.941		-0.002
55	33	4.943	4.940		-0.003
55	34	4.941	4.943		0.002
55	35	4.943	4.941		-0.002
55	36	4.942	4.941		-0.001
55	37	4.940	4.940		0.000
55	38	4.936	4.938		0.002
55	39	4.937	4.928		-0.009
55	40	4.939	4.932		-0.007
55	41	4.934	4.934		0.000
55	42	4.936	4.912		-0.024
50	43	4.940	4.930		-0.010
50	44	4.939	4.928		-0.011
50	45	4.935	4.931		-0.004
50	46	4.937	4.938		0.001
50	47	4.938	4.938		0.000
	Max	4.946	4.945		0.004
	Average	4.941	4.938		-0.002
	Min	4.934	4.912		-0.024
	Std Dev	0.002	0.006		0.005



5.85_V_LDO_2M_5V	
Test Site	
Tester	
Test Number	
Unit	V V
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	4.938	4.939	4.941	4.935	4.928	4.912
Average	4.943	4.940	4.941	4.943	4.938	4.933	4.937
Max	4.943	4.942	4.944	4.945	4.942	4.938	4.944
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

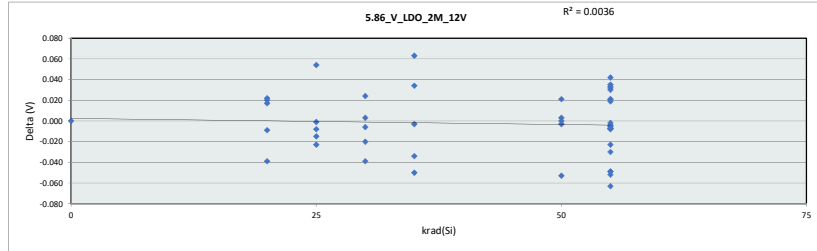


**HDR TID Report
TPS7H5007-SEP**

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

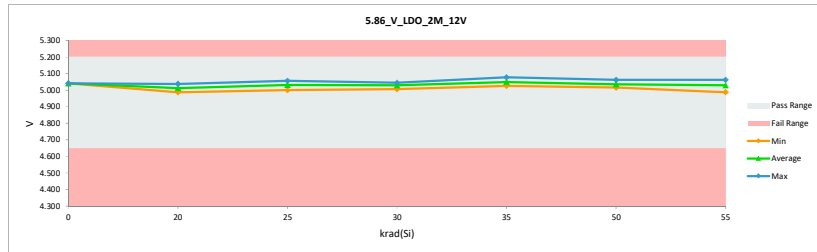
5.86_V_LDO_2M_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.65 4.65

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	5.042	5.042		0.000
25	1	5.057	5.056		-0.001
25	2	5.000	5.054		0.054
25	3	5.015	5.000		-0.015
25	4	5.036	5.013		-0.023
25	5	5.040	5.032		-0.008
20	6	5.021	5.038		0.017
20	7	5.000	5.020		0.020
20	8	5.014	5.005		-0.009
20	9	4.990	5.012		0.022
20	10	5.026	4.987		-0.039
35	11	5.029	5.026		-0.003
35	12	5.077	5.027		-0.050
35	13	5.044	5.078		0.034
35	14	5.076	5.042		-0.034
35	15	5.009	5.072		0.063
30	16	5.045	5.006		-0.039
30	17	5.051	5.045		-0.006
30	18	5.021	5.045		0.024
30	19	5.036	5.016		-0.020
30	20	5.035	5.038		0.003
55	21	5.037	5.029		-0.008
55	22	5.034	5.029		-0.005
55	23	5.056	5.033		-0.023
55	24	5.024	5.045		0.021
55	25	5.025	5.021		-0.004
55	26	5.074	5.025		-0.049
55	27	5.029	5.062		0.033
55	28	4.993	5.028		0.035
55	29	5.040	4.988		-0.052
55	30	5.038	5.033		-0.005
55	31	5.041	5.034		-0.007
55	32	5.042	5.035		-0.007
55	33	5.010	5.042		0.032
55	34	5.060	5.011		-0.049
55	35	5.037	5.056		0.019
55	36	5.016	5.037		0.021
55	37	5.041	5.011		-0.030
55	38	5.044	5.037		-0.007
55	39	5.000	5.042		0.042
55	40	5.058	4.995		-0.063
55	41	5.020	5.050		0.030
55	42	5.016	5.014		-0.002
50	43	5.069	5.016		-0.053
50	44	5.041	5.062		0.021
50	45	5.034	5.037		0.003
50	46	5.032	5.032		0.000
50	47	5.034	5.031		-0.003
Max		5.077	5.078		0.063
Average		5.034	5.031		-0.002
Min		4.990	4.987		-0.063
Std Dev		0.021	0.020		0.030



5.86_V_LDO_2M_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.65 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	5.042	4.987	5.000	5.006	5.026	5.016	4.988
Average	5.042	5.012	5.031	5.030	5.049	5.036	5.030
Max	5.042	5.038	5.056	5.045	5.078	5.062	5.062
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

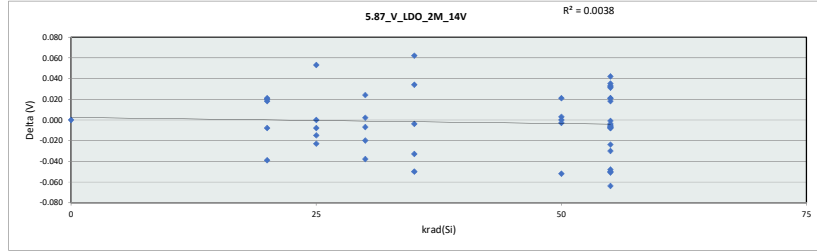


**HDR TID Report
TPS7H5007-SEP**

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

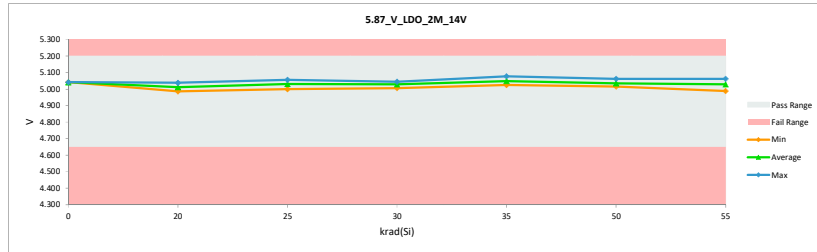
5.87_V_LDO_2M_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	5.2 5.2
Min Limit	4.65 4.65

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	5.042	5.042	0.000
25	1	5.056	5.056	0.000
25	2	5.000	5.053	0.053
25	3	5.015	5.000	-0.015
25	4	5.036	5.013	-0.023
25	5	5.040	5.032	-0.008
20	6	5.020	5.038	0.018
20	7	5.000	5.020	0.020
20	8	5.013	5.005	-0.008
20	9	4.990	5.011	0.021
20	10	5.026	4.987	-0.039
35	11	5.029	5.025	-0.004
35	12	5.077	5.027	-0.050
35	13	5.044	5.078	0.034
35	14	5.075	5.042	-0.033
35	15	5.009	5.071	0.062
30	16	5.044	5.006	-0.038
30	17	5.051	5.044	-0.007
30	18	5.021	5.045	0.024
30	19	5.036	5.016	-0.020
30	20	5.035	5.037	0.002
55	21	5.037	5.029	-0.008
55	22	5.034	5.029	-0.005
55	23	5.056	5.032	-0.024
55	24	5.024	5.045	0.021
55	25	5.025	5.021	-0.004
55	26	5.074	5.024	-0.050
55	27	5.029	5.062	0.033
55	28	4.993	5.028	0.035
55	29	5.039	4.988	-0.051
55	30	5.038	5.032	-0.006
55	31	5.041	5.034	-0.007
55	32	5.042	5.035	-0.007
55	33	5.010	5.042	0.032
55	34	5.059	5.011	-0.048
55	35	5.037	5.055	0.018
55	36	5.015	5.036	0.021
55	37	5.041	5.011	-0.030
55	38	5.044	5.036	-0.008
55	39	5.000	5.042	0.042
55	40	5.058	4.994	-0.064
55	41	5.019	5.050	0.031
55	42	5.015	5.014	-0.001
50	43	5.068	5.016	-0.052
50	44	5.041	5.062	0.021
50	45	5.034	5.037	0.003
50	46	5.032	5.032	0.000
50	47	5.034	5.031	-0.003
Max		5.077	5.078	0.062
Average		5.033	5.031	-0.003
Min		4.990	4.987	-0.064
Std Dev		0.021	0.020	0.029



5.87_V_LDO_2M_14V	
Test Site	
Tester	
Test Number	
Unit	V V
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	5.042	4.987	5.000	5.006	5.025	5.016	4.988
Average	5.042	5.012	5.031	5.030	5.049	5.036	5.030
Max	5.042	5.038	5.056	5.045	5.078	5.062	5.062
UL	5.200	5.200	5.200	5.200	5.200	5.200	5.200

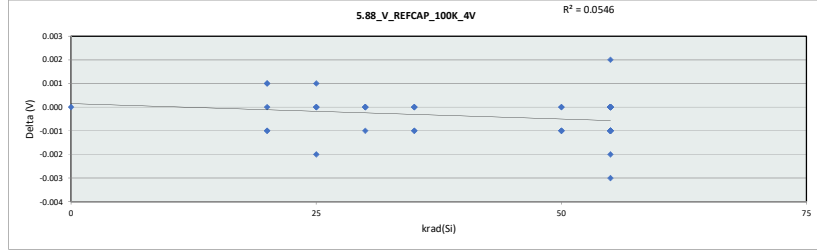


**HDR TID Report
TPS7H5007-SEP**

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

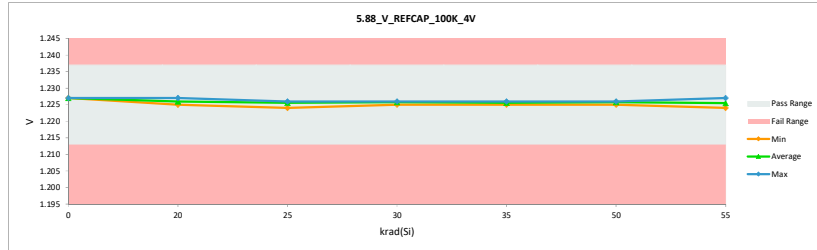
5.88_V_REFCAP_100K_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	1.227	1.227	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	1.225	1.226	0.001
25	5	1.226	1.224	-0.002
20	6	1.226	1.227	0.000
20	7	1.226	1.227	0.001
20	8	1.226	1.227	0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.225	-0.001
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
35	13	1.226	1.225	-0.001
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	1.226	0.000
30	18	1.226	1.226	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.226	0.000
55	21	1.226	1.225	-0.001
55	22	1.226	1.225	-0.001
55	23	1.226	1.225	-0.001
55	24	1.226	1.225	-0.001
55	25	1.226	1.225	-0.001
55	26	1.226	1.226	0.000
55	27	1.226	1.225	-0.001
55	28	1.226	1.225	-0.001
55	29	1.226	1.225	-0.001
55	30	1.226	1.226	0.000
55	31	1.226	1.226	0.000
55	32	1.226	1.226	0.000
55	33	1.225	1.227	0.002
55	34	1.226	1.226	0.000
55	35	1.226	1.224	-0.002
55	36	1.226	1.226	0.000
55	37	1.226	1.226	0.000
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	1.227	1.224	-0.003
55	42	1.227	1.227	0.000
50	43	1.226	1.226	0.000
50	44	1.226	1.225	-0.001
50	45	1.227	1.226	-0.001
50	46	1.226	1.226	0.000
50	47	1.227	1.226	-0.001
Max		1.227	1.227	0.002
Average		1.226	1.226	0.000
Min		1.225	1.224	-0.003
Std Dev		0.000	0.001	0.001



5.88_V_REFCAP_100K_4V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.227	1.225	1.224	1.225	1.225	1.225	1.224
Average	1.227	1.226	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.227	1.226	1.226	1.226	1.226	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

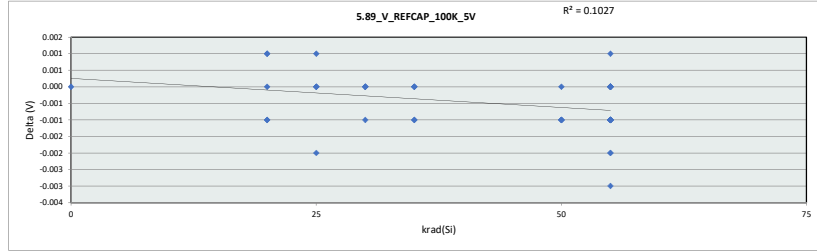


**HDR TID Report
TPS7H5007-SEP**

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

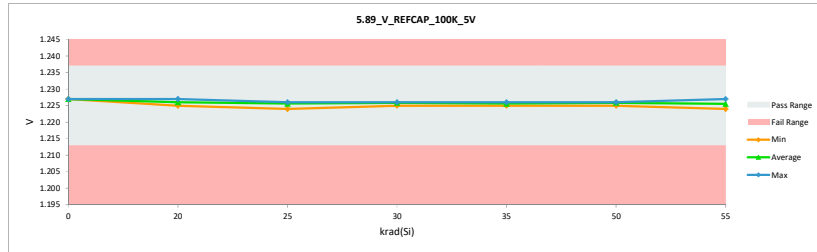
5.89_V_REFCAP_100K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	1.227	1.227	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	1.225	1.226	0.001
25	5	1.226	1.224	-0.002
20	6	1.226	1.226	0.000
20	7	1.226	1.227	0.001
20	8	1.226	1.227	0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.225	-0.001
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
35	13	1.226	1.225	-0.001
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	1.226	0.000
30	18	1.226	1.226	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.226	0.000
55	21	1.226	1.225	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.226	1.225	-0.001
55	26	1.227	1.226	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.225	-0.001
55	29	1.226	1.225	-0.001
55	30	1.226	1.226	0.000
55	31	1.226	1.226	0.000
55	32	1.226	1.226	0.000
55	33	1.226	1.227	0.001
55	34	1.226	1.226	0.000
55	35	1.226	1.224	-0.002
55	36	1.226	1.226	0.000
55	37	1.226	1.226	0.000
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	1.227	1.224	-0.003
55	42	1.227	1.227	0.000
50	43	1.226	1.226	0.000
50	44	1.226	1.225	-0.001
50	45	1.227	1.226	-0.001
50	46	1.227	1.226	-0.001
50	47	1.227	1.226	-0.001
Max		1.227	1.227	0.001
Average		1.226	1.226	0.000
Min		1.225	1.224	-0.003
Std Dev		0.000	0.001	0.001



5.89_V_REFCAP_100K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.227	1.225	1.224	1.225	1.225	1.225	1.224
Average	1.227	1.226	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.227	1.226	1.226	1.226	1.226	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

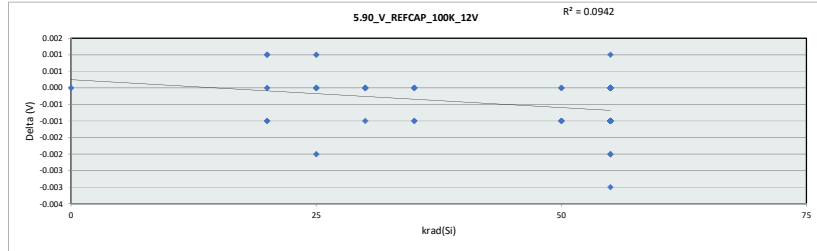


**HDR TID Report
TPS7H5007-SEP**

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

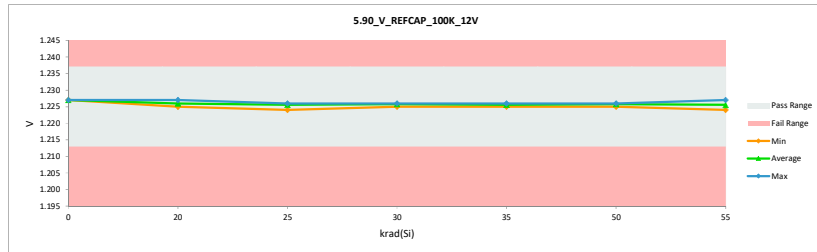
5.90_V_REFCAP_100K_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	1.227	1.227	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	1.225	1.226	0.001
25	5	1.226	1.224	-0.002
20	6	1.226	1.226	0.000
20	7	1.226	1.227	0.001
20	8	1.226	1.227	0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.225	-0.001
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
35	13	1.226	1.225	-0.001
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	1.226	0.000
30	18	1.226	1.226	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.226	0.000
55	21	1.226	1.225	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.226	1.225	-0.001
55	26	1.227	1.226	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.225	-0.001
55	29	1.226	1.225	-0.001
55	30	1.226	1.226	0.000
55	31	1.226	1.226	0.000
55	32	1.226	1.226	0.000
55	33	1.226	1.227	0.001
55	34	1.226	1.226	0.000
55	35	1.226	1.224	-0.002
55	36	1.226	1.226	0.000
55	37	1.226	1.226	0.000
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	1.227	1.224	-0.003
55	42	1.227	1.227	0.000
50	43	1.226	1.226	0.000
50	44	1.226	1.225	-0.001
50	45	1.226	1.226	0.000
50	46	1.227	1.226	-0.001
50	47	1.227	1.226	-0.001
Max		1.227	1.227	0.001
Average		1.226	1.226	0.000
Min		1.225	1.224	-0.003
Std Dev		0.000	0.001	0.001



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

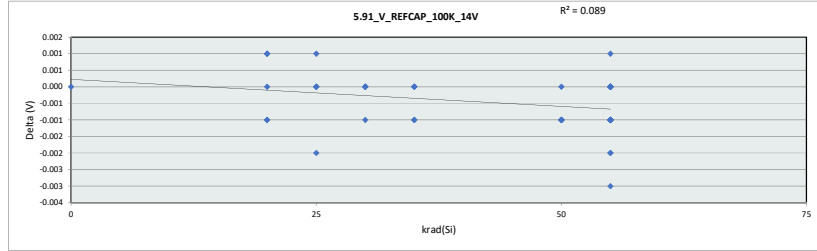
krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.227	1.225	1.224	1.225	1.225	1.225	1.224
Average	1.227	1.226	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.227	1.226	1.226	1.226	1.226	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237



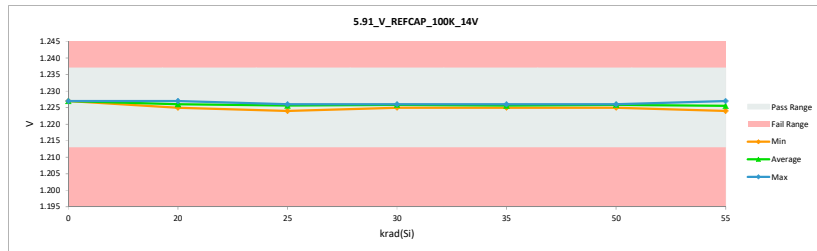
**HDR TID Report
TPS7H5007-SEP**

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				
krad(Si)	Serial #	007_SEP_Pre_HDI007_SEP_Post_HD	Delta	
0	48	1.227	1.227	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	1.225	1.226	0.001
25	5	1.226	1.224	-0.002
20	6	1.226	1.226	0.000
20	7	1.226	1.227	0.001
20	8	1.226	1.227	0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.225	-0.001
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
35	13	1.226	1.225	-0.001
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	1.226	0.000
30	18	1.226	1.226	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.226	0.000
55	21	1.226	1.225	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.226	1.225	-0.001
55	26	1.226	1.226	0.000
55	27	1.226	1.225	-0.001
55	28	1.226	1.225	-0.001
55	29	1.226	1.225	-0.001
55	30	1.226	1.226	0.000
55	31	1.226	1.226	0.000
55	32	1.226	1.226	0.000
55	33	1.226	1.227	0.001
55	34	1.226	1.226	0.000
55	35	1.226	1.224	-0.002
55	36	1.226	1.226	0.000
55	37	1.226	1.226	0.000
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	1.227	1.224	-0.003
55	42	1.227	1.227	0.000
50	43	1.226	1.226	0.000
50	44	1.226	1.225	-0.001
50	45	1.227	1.226	-0.001
50	46	1.227	1.226	-0.001
50	47	1.227	1.226	-0.001
	Max	1.227	1.227	0.001
	Average	1.226	1.226	0.000
	Min	1.225	1.224	-0.003
	Std Dev	0.000	0.001	0.001



5.91_V_REFCAP_100K_14V							
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	1.225	1.224	1.225	1.225	1.225	1.224
Average	1.227	1.226	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.227	1.226	1.226	1.226	1.226	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

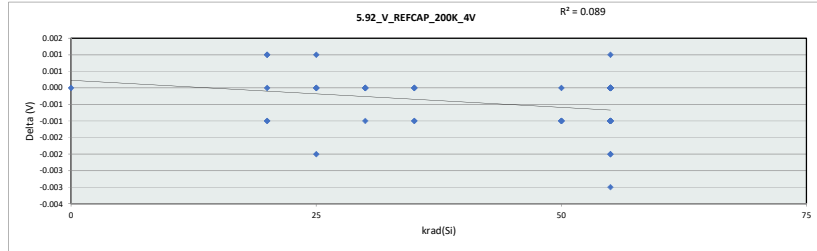


**HDR TID Report
TPS7H5007-SEP**

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

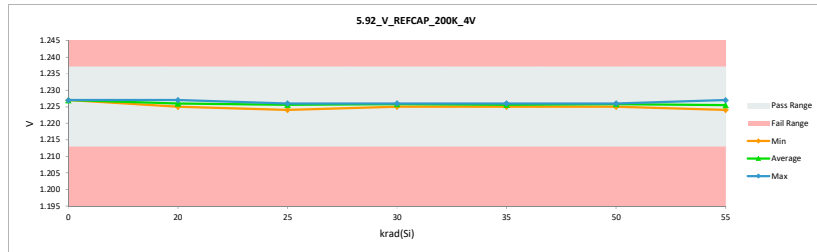
5.92_V_REFCAP_200K_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	1.227	1.227		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	1.225	1.226		0.001
25	5	1.226	1.224		-0.002
20	6	1.226	1.226		0.000
20	7	1.226	1.227		0.001
20	8	1.226	1.227		0.001
20	9	1.226	1.225		-0.001
20	10	1.226	1.225		-0.001
35	11	1.226	1.225		-0.001
35	12	1.226	1.226		0.000
35	13	1.226	1.225		-0.001
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	1.226		0.000
30	18	1.226	1.226		0.000
30	19	1.226	1.226		0.000
30	20	1.226	1.226		0.000
55	21	1.226	1.225		-0.001
55	22	1.227	1.225		-0.002
55	23	1.226	1.225		-0.001
55	24	1.226	1.225		-0.001
55	25	1.226	1.225		-0.001
55	26	1.227	1.226		-0.001
55	27	1.226	1.225		-0.001
55	28	1.225	1.225		0.000
55	29	1.226	1.225		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.226		0.000
55	32	1.226	1.226		0.000
55	33	1.226	1.227		0.001
55	34	1.226	1.226		0.000
55	35	1.226	1.224		-0.002
55	36	1.226	1.226		0.000
55	37	1.226	1.226		0.000
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	1.227	1.224		-0.003
55	42	1.227	1.227		0.000
50	43	1.226	1.226		0.000
50	44	1.226	1.225		-0.001
50	45	1.227	1.226		-0.001
50	46	1.227	1.226		-0.001
50	47	1.227	1.226		-0.001
	Max	1.227	1.227		0.001
	Average	1.226	1.226		0.000
	Min	1.225	1.224		-0.003
	Std Dev	0.000	0.001		0.001



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

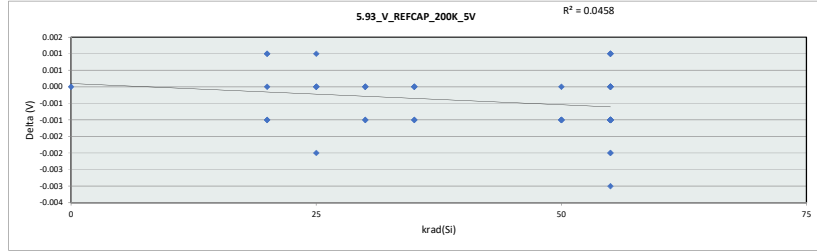
krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.227	1.225	1.224	1.225	1.225	1.225	1.224
Average	1.227	1.226	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.227	1.226	1.226	1.226	1.226	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237



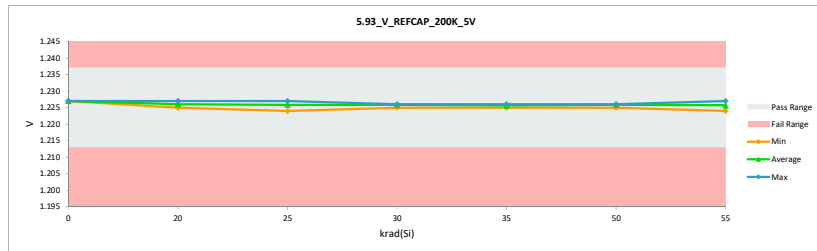
**HDR TID Report
TPS7H5007-SEP**

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				
krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HD	Delta
0	48	1.227	1.227	0.000
25	1	1.226	1.226	0.000
25	2	1.226	1.226	0.000
25	3	1.226	1.227	0.001
25	4	1.226	1.226	0.000
25	5	1.226	1.224	-0.002
20	6	1.226	1.226	0.000
20	7	1.226	1.227	0.001
20	8	1.226	1.227	0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.225	-0.001
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
35	13	1.226	1.225	-0.001
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	1.226	0.000
30	18	1.227	1.226	-0.001
30	19	1.226	1.226	0.000
30	20	1.226	1.226	0.000
55	21	1.226	1.225	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.226	1.225	-0.001
55	26	1.227	1.226	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.225	-0.001
55	29	1.226	1.225	-0.001
55	30	1.226	1.226	0.000
55	31	1.226	1.227	0.001
55	32	1.226	1.226	0.000
55	33	1.226	1.227	0.001
55	34	1.226	1.226	0.000
55	35	1.226	1.224	-0.002
55	36	1.226	1.227	0.001
55	37	1.226	1.227	0.001
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	1.227	1.224	-0.003
55	42	1.227	1.227	0.000
50	43	1.226	1.226	0.000
50	44	1.226	1.225	-0.001
50	45	1.227	1.226	-0.001
50	46	1.227	1.226	-0.001
50	47	1.227	1.226	-0.001
	Max	1.227	1.227	0.001
	Average	1.226	1.226	0.000
	Min	1.226	1.224	-0.003
	Std Dev	0.000	0.001	0.001



5.93_V_REFCAP_200K_5V							
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	1.225	1.224	1.225	1.225	1.225	1.224
Average	1.227	1.226	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.227	1.227	1.226	1.226	1.226	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

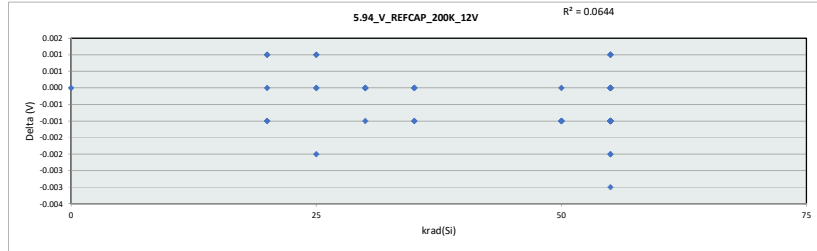


**HDR TID Report
TPS7H5007-SEP**

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

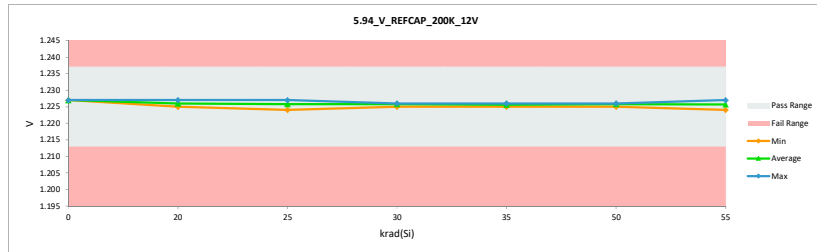
5.94_V_REFCAP_200K_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	1.227	1.227	0.000
25	1	1.226	1.226	0.000
25	2	1.226	1.226	0.000
25	3	1.226	1.227	0.001
25	4	1.225	1.226	0.001
25	5	1.226	1.224	-0.002
20	6	1.226	1.226	0.000
20	7	1.226	1.227	0.001
20	8	1.226	1.227	0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.225	-0.001
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
35	13	1.226	1.225	-0.001
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	1.226	0.000
30	18	1.226	1.226	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.226	0.000
55	21	1.226	1.225	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.226	1.225	-0.001
55	26	1.227	1.226	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.225	-0.001
55	29	1.226	1.225	-0.001
55	30	1.226	1.226	0.000
55	31	1.226	1.227	0.001
55	32	1.226	1.226	0.000
55	33	1.226	1.227	0.001
55	34	1.226	1.226	0.000
55	35	1.226	1.224	-0.002
55	36	1.226	1.227	0.001
55	37	1.226	1.227	0.001
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	1.227	1.224	-0.003
55	42	1.227	1.227	0.000
50	43	1.226	1.226	0.000
50	44	1.226	1.225	-0.001
50	45	1.227	1.226	-0.001
50	46	1.227	1.226	-0.001
50	47	1.227	1.226	-0.001
Max		1.227	1.227	0.001
Average		1.226	1.226	0.000
Min		1.225	1.224	-0.003
Std Dev		0.000	0.001	0.001



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

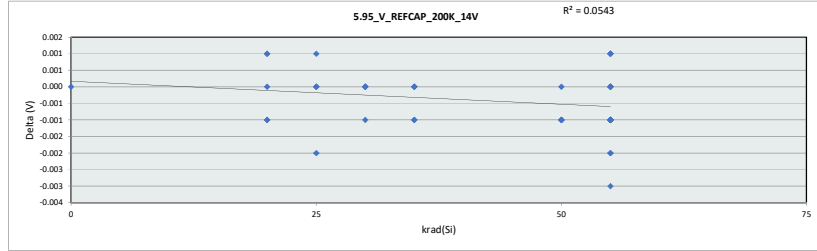
krad(Si)	0	20	25	30	35	50	55
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.227	1.225	1.224	1.225	1.225	1.225	1.224
Average	1.227	1.226	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.227	1.227	1.226	1.226	1.226	1.226
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237



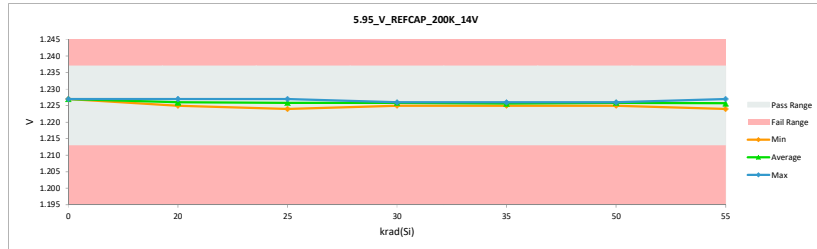
**HDR TID Report
TPS7H5007-SEP**

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				
krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1.227	1.227	0.000
25	1	1.226	1.226	0.000
25	2	1.226	1.226	0.000
25	3	1.226	1.227	0.001
25	4	1.226	1.226	0.000
25	5	1.226	1.224	-0.002
20	6	1.226	1.226	0.000
20	7	1.226	1.227	0.001
20	8	1.226	1.227	0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.225	-0.001
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
35	13	1.226	1.225	-0.001
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	1.226	0.000
30	18	1.226	1.226	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.226	0.000
55	21	1.226	1.225	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.226	1.225	-0.001
55	26	1.227	1.226	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.225	-0.001
55	29	1.226	1.225	-0.001
55	30	1.226	1.226	0.000
55	31	1.226	1.227	0.001
55	32	1.226	1.226	0.000
55	33	1.226	1.227	0.001
55	34	1.226	1.226	0.000
55	35	1.226	1.224	-0.002
55	36	1.226	1.227	0.001
55	37	1.226	1.227	0.001
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	1.227	1.224	-0.003
55	42	1.227	1.227	0.000
50	43	1.226	1.226	0.000
50	44	1.226	1.225	-0.001
50	45	1.227	1.226	-0.001
50	46	1.227	1.226	-0.001
50	47	1.227	1.226	-0.001
	Max	1.227	1.227	0.001
	Average	1.226	1.226	0.000
	Min	1.226	1.224	-0.003
	Std Dev	0.000	0.001	0.001



5.95_V_REFCAP_200K_14V							
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	1.225	1.224	1.225	1.225	1.225	1.224
Average	1.227	1.226	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.227	1.227	1.226	1.226	1.226	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

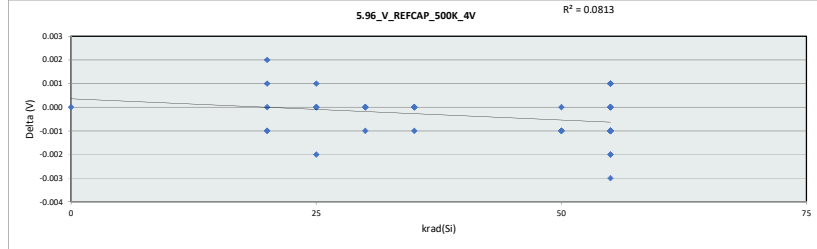


**HDR TID Report
TPS7H5007-SEP**

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

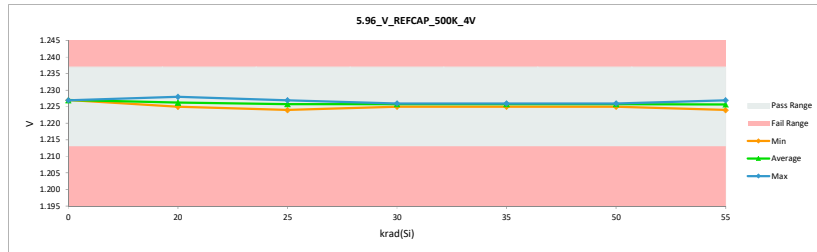
5.96_V_REFCAP_500K_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	1.227	1.227	0.000
25	1	1.226	1.226	0.000
25	2	1.226	1.226	0.000
25	3	1.226	1.227	0.001
25	4	1.226	1.226	0.000
25	5	1.226	1.224	-0.002
20	6	1.226	1.227	0.000
20	7	1.226	1.228	0.002
20	8	1.226	1.227	0.001
20	9	1.226	1.225	-0.001
20	10	1.226	1.225	-0.001
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
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	1.226	0.000
30	18	1.226	1.226	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.226	0.000
55	21	1.226	1.225	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.226	1.225	-0.001
55	26	1.227	1.226	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.225	-0.001
55	29	1.226	1.225	-0.001
55	30	1.226	1.226	0.000
55	31	1.226	1.227	0.001
55	32	1.226	1.226	0.000
55	33	1.226	1.227	0.001
55	34	1.226	1.226	0.000
55	35	1.226	1.224	-0.002
55	36	1.226	1.227	0.001
55	37	1.226	1.227	0.001
55	38	1.227	1.226	-0.001
55	39	1.227	1.225	-0.001
55	40	1.226	1.225	-0.001
55	41	1.227	1.224	-0.003
55	42	1.227	1.227	0.000
50	43	1.226	1.226	0.000
50	44	1.226	1.225	-0.001
50	45	1.227	1.226	-0.001
50	46	1.227	1.226	-0.001
50	47	1.227	1.226	-0.001
Max		1.227	1.228	0.002
Average		1.226	1.226	0.000
Min		1.226	1.224	-0.003
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	1.227	1.225	1.224	1.225	1.225	1.225	1.224
Average	1.227	1.226	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.228	1.227	1.226	1.226	1.226	1.227
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

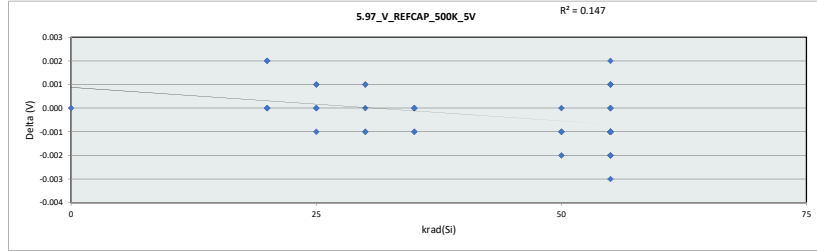


**HDR TID Report
TPS7H5007-SEP**

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

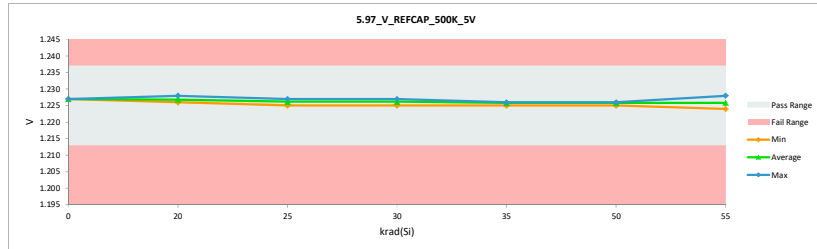
5.97_V_REFCAP_500K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	1.227	1.227	0.000
25	1	1.226	1.227	0.001
25	2	1.226	1.226	0.000
25	3	1.226	1.227	0.001
25	4	1.226	1.226	0.000
25	5	1.226	1.225	-0.001
20	6	1.226	1.226	0.000
20	7	1.226	1.228	0.002
20	8	1.226	1.228	0.002
20	9	1.226	1.226	0.000
20	10	1.226	1.226	0.000
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
35	13	1.227	1.226	-0.001
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	1.227	0.001
30	18	1.227	1.226	-0.001
30	19	1.226	1.226	0.000
30	20	1.226	1.227	0.001
55	21	1.226	1.225	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.227	1.225	-0.002
55	26	1.227	1.226	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.225	-0.001
55	29	1.226	1.225	-0.001
55	30	1.226	1.226	0.000
55	31	1.226	1.227	0.001
55	32	1.227	1.226	-0.001
55	33	1.226	1.228	0.002
55	34	1.226	1.226	0.000
55	35	1.226	1.224	-0.002
55	36	1.226	1.227	0.001
55	37	1.226	1.227	0.001
55	38	1.227	1.226	-0.001
55	39	1.227	1.226	-0.001
55	40	1.226	1.225	-0.001
55	41	1.228	1.225	-0.003
55	42	1.227	1.228	0.001
50	43	1.226	1.226	0.000
50	44	1.227	1.225	-0.002
50	45	1.227	1.226	-0.001
50	46	1.227	1.226	-0.001
50	47	1.227	1.226	-0.001
Max		1.228	1.228	0.002
Average		1.226	1.226	0.000
Min		1.226	1.224	-0.003
Std Dev		0.001	0.001	0.001



5.97_V_REFCAP_500K_5V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.227	1.226	1.225	1.225	1.225	1.225	1.224
Average	1.227	1.227	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.228	1.227	1.227	1.226	1.226	1.228
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

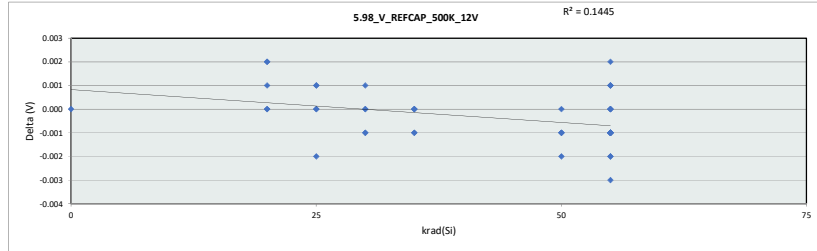


**HDR TID Report
TPS7H5007-SEP**

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

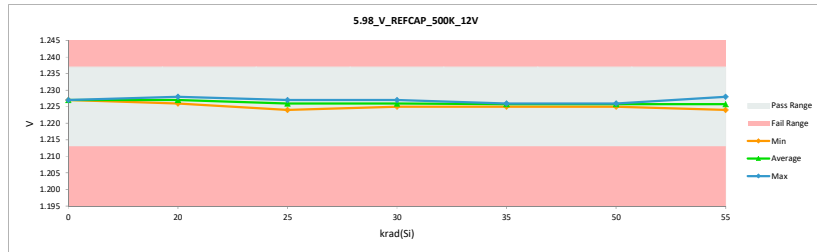
5.98_V_REFCAP_500K_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	1.227	1.227		0.000
25	1	1.226	1.227		0.001
25	2	1.226	1.226		0.000
25	3	1.226	1.227		0.001
25	4	1.226	1.226		0.000
25	5	1.226	1.224		-0.002
20	6	1.226	1.227		0.001
20	7	1.226	1.228		0.002
20	8	1.226	1.228		0.002
20	9	1.226	1.226		0.000
20	10	1.226	1.226		0.000
35	11	1.226	1.225		-0.001
35	12	1.226	1.226		0.000
35	13	1.227	1.226		-0.001
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	1.226		0.000
30	18	1.227	1.226		-0.001
30	19	1.226	1.226		0.000
30	20	1.226	1.227		0.001
55	21	1.226	1.225		-0.001
55	22	1.227	1.225		-0.002
55	23	1.226	1.226		0.000
55	24	1.226	1.225		-0.001
55	25	1.226	1.225		-0.001
55	26	1.227	1.226		-0.001
55	27	1.226	1.225		-0.001
55	28	1.226	1.225		-0.001
55	29	1.226	1.225		-0.001
55	30	1.226	1.226		0.000
55	31	1.226	1.227		0.001
55	32	1.227	1.226		-0.001
55	33	1.226	1.228		0.002
55	34	1.226	1.226		0.000
55	35	1.226	1.224		-0.002
55	36	1.226	1.227		0.001
55	37	1.226	1.227		0.001
55	38	1.227	1.226		-0.001
55	39	1.227	1.225		-0.001
55	40	1.226	1.225		-0.001
55	41	1.228	1.225		-0.003
55	42	1.227	1.227		0.000
50	43	1.226	1.226		0.000
50	44	1.227	1.225		-0.002
50	45	1.227	1.226		-0.001
50	46	1.227	1.226		-0.001
50	47	1.227	1.226		-0.001
Max		1.228	1.228		0.002
Average		1.226	1.226		0.000
Min		1.226	1.224		-0.003
Std Dev		0.001	0.001		0.001



5.98_V_REFCAP_500K_12V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.227	1.226	1.224	1.225	1.225	1.225	1.224
Average	1.227	1.227	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.228	1.227	1.227	1.226	1.226	1.228
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

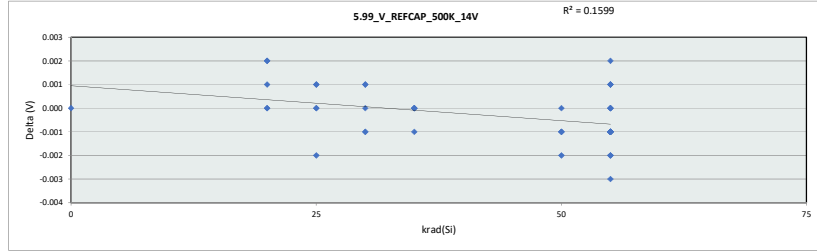


**HDR TID Report
TPS7H5007-SEP**

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

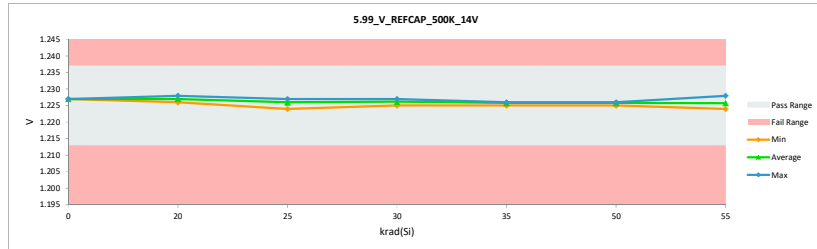
5.99_V_REFCAP_500K_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	1.227	1.227	0.000
25	1	1.226	1.227	0.001
25	2	1.226	1.226	0.000
25	3	1.226	1.227	0.001
25	4	1.226	1.226	0.000
25	5	1.226	1.224	-0.002
20	6	1.226	1.227	0.001
20	7	1.226	1.228	0.002
20	8	1.226	1.228	0.002
20	9	1.226	1.226	0.000
20	10	1.226	1.226	0.000
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
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	1.227	0.001
30	18	1.227	1.226	-0.001
30	19	1.226	1.226	0.000
30	20	1.226	1.227	0.001
55	21	1.226	1.225	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.226	1.225	-0.001
55	26	1.227	1.226	-0.001
55	27	1.226	1.225	-0.001
55	28	1.226	1.225	-0.001
55	29	1.226	1.225	-0.001
55	30	1.226	1.226	0.000
55	31	1.226	1.227	0.001
55	32	1.227	1.226	-0.001
55	33	1.226	1.228	0.002
55	34	1.226	1.226	0.000
55	35	1.226	1.224	-0.002
55	36	1.226	1.227	0.001
55	37	1.226	1.227	0.001
55	38	1.227	1.226	-0.001
55	39	1.227	1.226	-0.001
55	40	1.226	1.225	-0.001
55	41	1.228	1.225	-0.003
55	42	1.227	1.227	0.000
50	43	1.226	1.226	0.000
50	44	1.227	1.225	-0.002
50	45	1.227	1.226	-0.001
50	46	1.227	1.226	-0.001
50	47	1.227	1.226	-0.001
Max		1.228	1.228	0.002
Average		1.226	1.226	0.000
Min		1.226	1.224	-0.003
Std Dev		0.001	0.001	0.001



5.99_V_REFCAP_500K_14V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.227	1.226	1.224	1.225	1.225	1.225	1.224
Average	1.227	1.227	1.226	1.226	1.226	1.226	1.226
Max	1.227	1.228	1.227	1.227	1.226	1.226	1.228
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

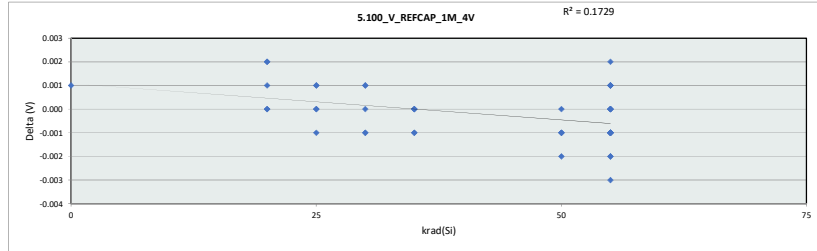


**HDR TID Report
TPS7H5007-SEP**

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

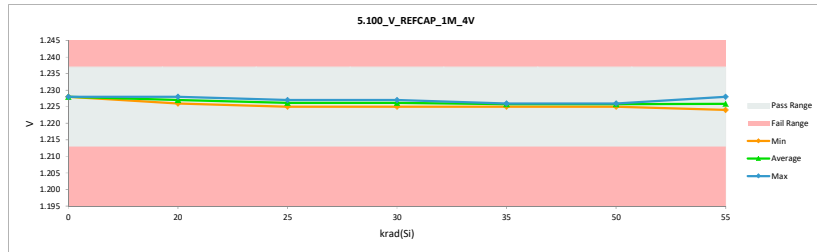
5.100_V_REFCAP_1M_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post_HD	Delta
0	48	1.227	1.228	0.001
25	1	1.226	1.227	0.001
25	2	1.226	1.226	0.000
25	3	1.226	1.227	0.001
25	4	1.226	1.226	0.000
25	5	1.226	1.225	-0.001
20	6	1.226	1.227	0.001
20	7	1.226	1.228	0.002
20	8	1.226	1.228	0.002
20	9	1.226	1.226	0.000
20	10	1.226	1.226	0.000
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
35	13	1.227	1.226	-0.001
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	1.227	0.001
30	18	1.227	1.226	-0.001
30	19	1.226	1.226	0.000
30	20	1.226	1.227	0.001
55	21	1.226	1.225	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.226	1.225	-0.001
55	26	1.227	1.226	-0.001
55	27	1.226	1.226	0.000
55	28	1.226	1.225	-0.001
55	29	1.226	1.225	-0.001
55	30	1.226	1.226	0.000
55	31	1.226	1.227	0.001
55	32	1.226	1.226	0.000
55	33	1.226	1.228	0.002
55	34	1.226	1.226	0.000
55	35	1.226	1.224	-0.002
55	36	1.226	1.227	0.001
55	37	1.226	1.227	0.001
55	38	1.227	1.226	-0.001
55	39	1.227	1.225	-0.001
55	40	1.226	1.225	-0.001
55	41	1.228	1.225	-0.003
55	42	1.227	1.228	0.001
50	43	1.226	1.226	0.000
50	44	1.227	1.225	-0.002
50	45	1.227	1.226	-0.001
50	46	1.227	1.226	-0.001
50	47	1.227	1.226	-0.001
Max		1.228	1.228	0.002
Average		1.226	1.226	0.000
Min		1.226	1.224	-0.003
Std Dev		0.001	0.001	0.001



5.100_V_REFCAP_1M_4V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.228	1.226	1.225	1.225	1.225	1.225	1.224
Average	1.228	1.227	1.226	1.226	1.226	1.226	1.226
Max	1.228	1.228	1.227	1.227	1.226	1.226	1.228
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

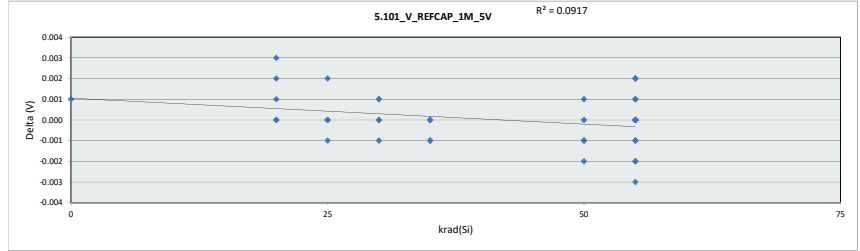


**HDR TID Report
TPS7H5007-SEP**

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

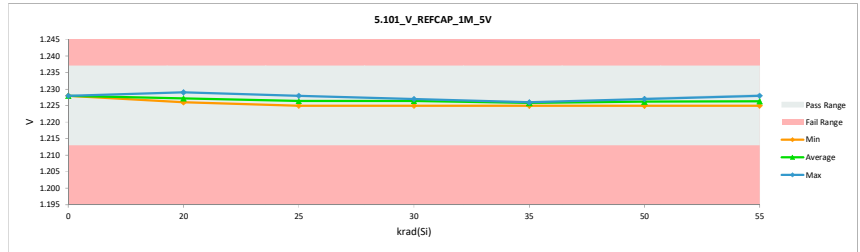
5.101_V_REFCAP_1M_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	1.227	1.228	0.001
25	1	1.227	1.227	0.000
25	2	1.226	1.226	0.000
25	3	1.226	1.228	0.002
25	4	1.226	1.226	0.000
25	5	1.226	1.225	-0.001
20	6	1.226	1.227	0.001
20	7	1.226	1.229	0.003
20	8	1.226	1.228	0.002
20	9	1.226	1.226	0.000
20	10	1.226	1.226	0.000
35	11	1.226	1.225	-0.001
35	12	1.226	1.226	0.000
35	13	1.227	1.226	-0.001
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	1.227	0.001
30	18	1.227	1.227	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.227	0.001
55	21	1.226	1.225	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.227	1.225	-0.002
55	26	1.227	1.227	0.000
55	27	1.226	1.226	0.000
55	28	1.226	1.226	0.000
55	29	1.227	1.225	-0.002
55	30	1.226	1.226	0.000
55	31	1.227	1.228	0.001
55	32	1.227	1.226	-0.001
55	33	1.226	1.228	0.002
55	34	1.226	1.227	0.001
55	35	1.226	1.225	-0.001
55	36	1.226	1.228	0.002
55	37	1.226	1.228	0.002
55	38	1.227	1.227	0.000
55	39	1.227	1.227	0.000
55	40	1.226	1.226	0.000
55	41	1.228	1.225	-0.003
55	42	1.227	1.228	0.001
50	43	1.226	1.227	0.001
50	44	1.227	1.225	-0.002
50	45	1.227	1.226	-0.001
50	46	1.227	1.227	0.000
50	47	1.227	1.226	-0.001
Max		1.228	1.229	0.003
Average		1.226	1.226	0.000
Min		1.226	1.225	-0.003
Std Dev		0.001	0.001	0.001



5.101_V_REFCAP_1M_5V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.228	1.226	1.225	1.225	1.225	1.225	1.225
Average	1.228	1.227	1.226	1.226	1.226	1.226	1.226
Max	1.228	1.229	1.228	1.227	1.226	1.227	1.228
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

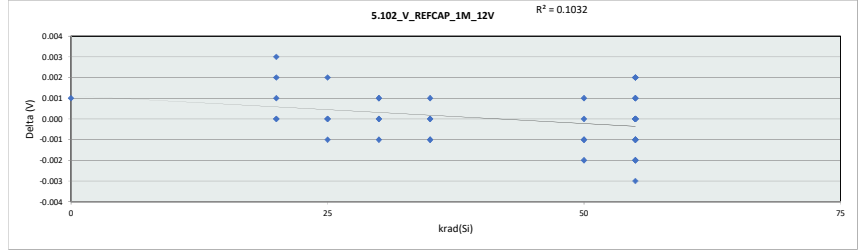


**HDR TID Report
TPS7H5007-SEP**

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

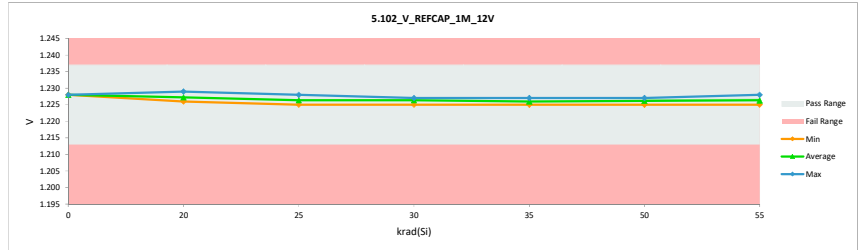
5.102_V_REFCAP_1M_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	1.227	1.228		0.001
25	1	1.227	1.227		0.000
25	2	1.226	1.226		0.000
25	3	1.226	1.228		0.002
25	4	1.226	1.226		0.000
25	5	1.226	1.225		-0.001
20	6	1.226	1.227		0.001
20	7	1.226	1.229		0.003
20	8	1.226	1.228		0.002
20	9	1.226	1.226		0.000
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	1.227	1.226		-0.001
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	1.227		0.001
30	18	1.227	1.227		0.000
30	19	1.226	1.226		0.000
30	20	1.226	1.227		0.001
55	21	1.226	1.225		-0.001
55	22	1.227	1.225		-0.002
55	23	1.226	1.226		0.000
55	24	1.226	1.225		-0.001
55	25	1.227	1.225		-0.002
55	26	1.227	1.227		0.000
55	27	1.227	1.226		-0.001
55	28	1.226	1.226		0.000
55	29	1.227	1.225		-0.002
55	30	1.226	1.226		0.000
55	31	1.227	1.228		0.001
55	32	1.227	1.226		-0.001
55	33	1.226	1.228		0.002
55	34	1.226	1.227		0.001
55	35	1.226	1.225		-0.001
55	36	1.226	1.228		0.002
55	37	1.226	1.228		0.002
55	38	1.227	1.227		0.000
55	39	1.227	1.227		0.000
55	40	1.226	1.226		0.000
55	41	1.228	1.225		-0.003
55	42	1.227	1.228		0.001
50	43	1.226	1.227		0.001
50	44	1.227	1.225		-0.002
50	45	1.227	1.226		-0.001
50	46	1.227	1.227		0.000
50	47	1.227	1.226		-0.001
	Max	1.228	1.229		0.003
	Average	1.226	1.226		0.000
	Min	1.226	1.225		-0.003
	Std Dev	0.001	0.001		0.001



5.102_V_REFCAP_1M_12V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.228	1.226	1.225	1.225	1.225	1.225	1.225
Average	1.228	1.227	1.226	1.226	1.226	1.226	1.226
Max	1.228	1.229	1.228	1.227	1.227	1.227	1.228
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

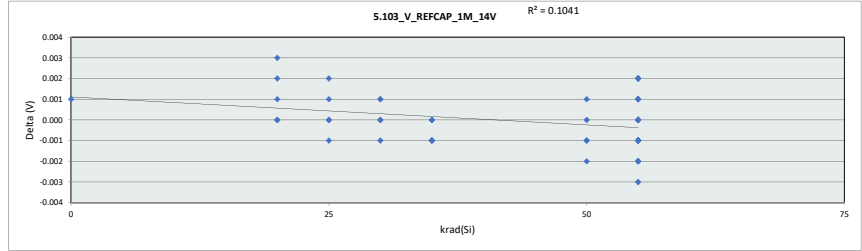


**HDR TID Report
TPS7H5007-SEP**

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

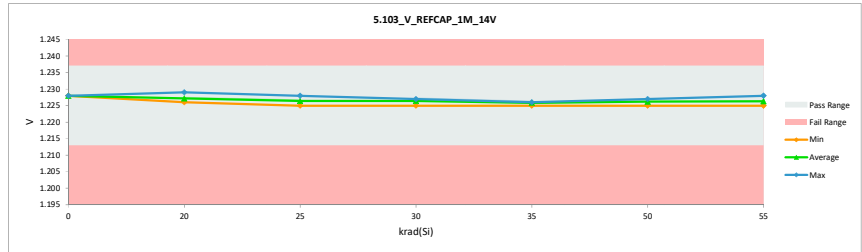
5.103_V_REFCAP_1M_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	1.227	1.228		0.001
25	1	1.226	1.227		0.001
25	2	1.226	1.226		0.000
25	3	1.226	1.228		0.002
25	4	1.226	1.226		0.000
25	5	1.226	1.225		-0.001
20	6	1.226	1.227		0.001
20	7	1.226	1.229		0.003
20	8	1.226	1.228		0.002
20	9	1.226	1.226		0.000
20	10	1.226	1.226		0.000
35	11	1.226	1.225		-0.001
35	12	1.226	1.226		0.000
35	13	1.227	1.226		-0.001
35	14	1.227	1.226		-0.001
35	15	1.226	1.226		0.000
30	16	1.226	1.225		-0.001
30	17	1.226	1.227		0.001
30	18	1.227	1.227		0.000
30	19	1.226	1.226		0.000
30	20	1.226	1.227		0.001
55	21	1.226	1.225		-0.001
55	22	1.227	1.225		-0.002
55	23	1.226	1.226		0.000
55	24	1.226	1.225		-0.001
55	25	1.227	1.225		-0.002
55	26	1.227	1.227		0.000
55	27	1.227	1.226		-0.001
55	28	1.226	1.226		0.000
55	29	1.227	1.225		-0.002
55	30	1.226	1.226		0.000
55	31	1.227	1.228		0.001
55	32	1.227	1.226		-0.001
55	33	1.226	1.228		0.002
55	34	1.226	1.227		0.001
55	35	1.226	1.225		-0.001
55	36	1.226	1.228		0.002
55	37	1.226	1.228		0.002
55	38	1.227	1.227		0.000
55	39	1.227	1.227		0.000
55	40	1.226	1.226		0.000
55	41	1.228	1.225		-0.003
55	42	1.227	1.228		0.001
50	43	1.226	1.227		0.001
50	44	1.227	1.225		-0.002
50	45	1.227	1.226		-0.001
50	46	1.227	1.227		0.000
50	47	1.227	1.226		-0.001
Max		1.228	1.229		0.003
Average		1.226	1.226		0.000
Min		1.226	1.225		-0.003
Std Dev		0.001	0.001		0.001



5.103_V_REFCAP_1M_14V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.228	1.226	1.225	1.225	1.225	1.225	1.225
Average	1.228	1.227	1.226	1.226	1.226	1.226	1.226
Max	1.228	1.229	1.228	1.227	1.226	1.227	1.228
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

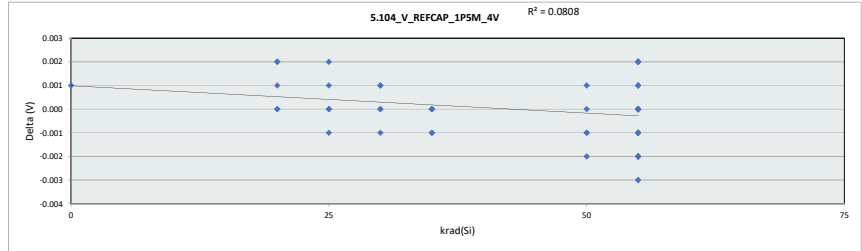


**HDR TID Report
TPS7H5007-SEP**

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

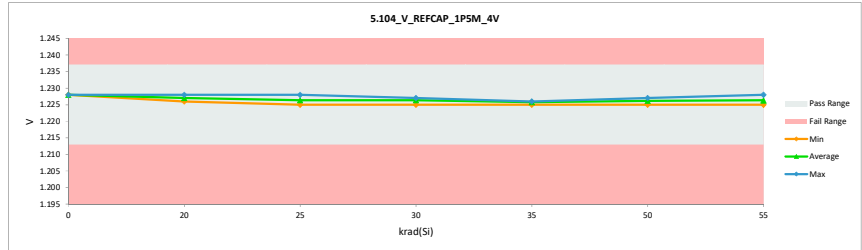
5.104_V_REFCAP_1P5M_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	1.227	1.228		0.001
25	1	1.226	1.227		0.001
25	2	1.226	1.226		0.000
25	3	1.226	1.228		0.002
25	4	1.226	1.226		0.000
25	5	1.226	1.225		-0.001
20	6	1.226	1.227		0.001
20	7	1.226	1.228		0.002
20	8	1.226	1.228		0.002
20	9	1.226	1.226		0.000
20	10	1.226	1.226		0.000
35	11	1.226	1.225		-0.001
35	12	1.226	1.226		0.000
35	13	1.227	1.226		-0.001
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	1.227		0.001
30	18	1.227	1.227		0.000
30	19	1.226	1.226		0.000
30	20	1.226	1.227		0.001
55	21	1.226	1.225		-0.001
55	22	1.227	1.225		-0.002
55	23	1.226	1.226		0.000
55	24	1.226	1.225		-0.001
55	25	1.227	1.225		-0.002
55	26	1.227	1.227		0.000
55	27	1.226	1.226		0.000
55	28	1.226	1.226		0.000
55	29	1.227	1.225		-0.002
55	30	1.226	1.226		0.000
55	31	1.226	1.228		0.002
55	32	1.227	1.226		-0.001
55	33	1.226	1.228		0.002
55	34	1.226	1.227		0.001
55	35	1.226	1.225		-0.001
55	36	1.226	1.228		0.002
55	37	1.226	1.228		0.002
55	38	1.227	1.227		0.000
55	39	1.227	1.227		0.000
55	40	1.226	1.226		0.000
55	41	1.228	1.225		-0.003
55	42	1.227	1.228		0.001
50	43	1.226	1.227		0.001
50	44	1.227	1.225		-0.002
50	45	1.227	1.226		-0.001
50	46	1.227	1.227		0.000
50	47	1.227	1.226		-0.001
	Max	1.228	1.228		0.002
	Average	1.226	1.226		0.000
	Min	1.226	1.225		-0.003
	Std Dev	0.001	0.001		0.001



5.104_V_REFCAP_1P5M_4V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.228	1.226	1.225	1.225	1.225	1.225	1.225
Average	1.228	1.227	1.226	1.226	1.226	1.226	1.226
Max	1.228	1.228	1.228	1.227	1.226	1.227	1.228
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

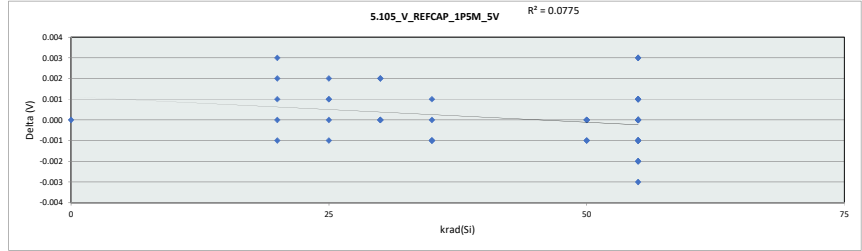


**HDR TID Report
TPS7H5007-SEP**

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

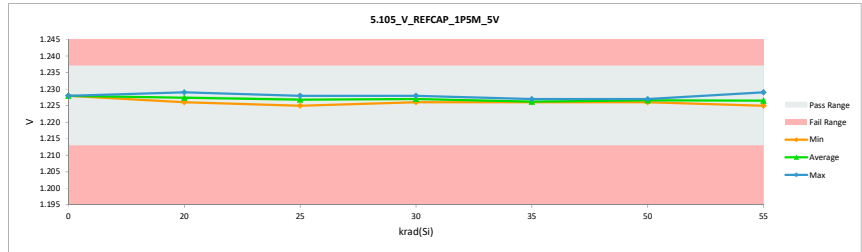
5.105_V_REFCAP_1P5M_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	1.228	1.228	0.000
25	1	1.227	1.228	0.001
25	2	1.226	1.227	0.001
25	3	1.226	1.228	0.002
25	4	1.226	1.226	0.000
25	5	1.226	1.225	-0.001
20	6	1.226	1.227	0.001
20	7	1.226	1.229	0.003
20	8	1.227	1.229	0.002
20	9	1.227	1.226	-0.001
20	10	1.226	1.226	0.000
35	11	1.226	1.226	0.000
35	12	1.226	1.227	0.001
35	13	1.227	1.226	-0.001
35	14	1.227	1.226	-0.001
35	15	1.227	1.226	-0.001
30	16	1.226	1.226	0.000
30	17	1.226	1.228	0.002
30	18	1.227	1.227	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.228	0.002
55	21	1.227	1.226	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.227	1.226	-0.001
55	26	1.227	1.227	0.000
55	27	1.227	1.226	-0.001
55	28	1.226	1.226	0.000
55	29	1.227	1.225	-0.002
55	30	1.226	1.226	0.000
55	31	1.227	1.228	0.001
55	32	1.227	1.226	-0.001
55	33	1.226	1.229	0.003
55	34	1.226	1.227	0.001
55	35	1.227	1.225	-0.002
55	36	1.226	1.229	0.003
55	37	1.227	1.228	0.001
55	38	1.227	1.227	0.000
55	39	1.227	1.227	0.000
55	40	1.226	1.226	0.000
55	41	1.228	1.225	-0.003
55	42	1.228	1.229	0.001
50	43	1.227	1.227	0.000
50	44	1.227	1.226	-0.001
50	45	1.227	1.226	-0.001
50	46	1.227	1.227	0.000
50	47	1.227	1.227	0.000
Max		1.228	1.229	0.003
Average		1.227	1.227	0.000
Min		1.226	1.225	-0.003
Std Dev		0.001	0.001	0.001



5.105_V_REFCAP_1P5M_5V	
Test Site	
Tester	
Test Number	
Unit	V
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	1.228	1.226	1.225	1.226	1.226	1.226	1.225
Average	1.228	1.227	1.227	1.227	1.226	1.227	1.227
Max	1.228	1.229	1.228	1.228	1.227	1.227	1.229
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

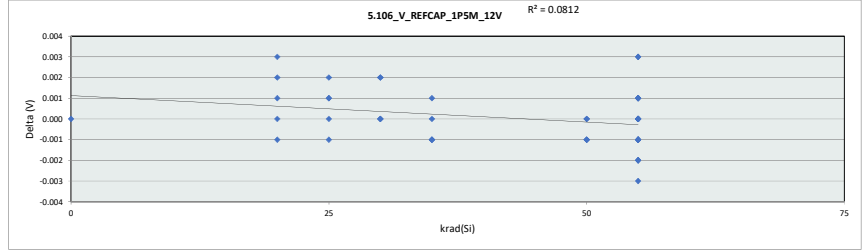


**HDR TID Report
TPS7H5007-SEP**

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

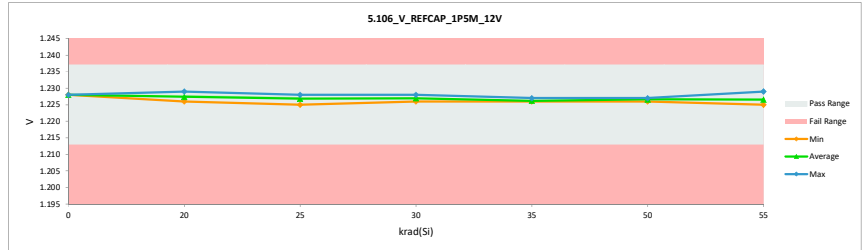
5.106_V_REFCAP_1P5M_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	1.228	1.228		0.000
25	1	1.227	1.228		0.001
25	2	1.226	1.227		0.001
25	3	1.226	1.228		0.002
25	4	1.226	1.226		0.000
25	5	1.226	1.225		-0.001
20	6	1.226	1.227		0.001
20	7	1.226	1.229		0.003
20	8	1.227	1.229		0.002
20	9	1.227	1.226		-0.001
20	10	1.226	1.226		0.000
35	11	1.226	1.226		0.000
35	12	1.226	1.227		0.001
35	13	1.227	1.226		-0.001
35	14	1.227	1.226		-0.001
35	15	1.227	1.226		-0.001
30	16	1.226	1.226		0.000
30	17	1.226	1.228		0.002
30	18	1.227	1.227		0.000
30	19	1.226	1.226		0.000
30	20	1.226	1.228		0.002
55	21	1.227	1.226		-0.001
55	22	1.227	1.225		-0.002
55	23	1.226	1.226		0.000
55	24	1.226	1.225		-0.001
55	25	1.227	1.226		-0.001
55	26	1.227	1.227		0.000
55	27	1.227	1.226		-0.001
55	28	1.226	1.226		0.000
55	29	1.227	1.225		-0.002
55	30	1.226	1.226		0.000
55	31	1.227	1.228		0.001
55	32	1.227	1.226		-0.001
55	33	1.226	1.229		0.003
55	34	1.226	1.227		0.001
55	35	1.227	1.225		-0.002
55	36	1.226	1.229		0.003
55	37	1.227	1.228		0.001
55	38	1.227	1.227		0.000
55	39	1.227	1.227		0.000
55	40	1.226	1.226		0.000
55	41	1.228	1.225		-0.003
55	42	1.228	1.229		0.001
50	43	1.227	1.227		0.000
50	44	1.227	1.226		-0.001
50	45	1.227	1.226		-0.001
50	46	1.227	1.227		0.000
50	47	1.228	1.227		-0.001
	Max	1.228	1.229		0.003
	Average	1.227	1.227		0.000
	Min	1.226	1.225		-0.003
	Std Dev	0.001	0.001		0.001



5.106_V_REFCAP_1P5M_12V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.228	1.226	1.225	1.226	1.226	1.226	1.225
Average	1.228	1.227	1.227	1.227	1.226	1.227	1.227
Max	1.228	1.229	1.228	1.228	1.227	1.227	1.229
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

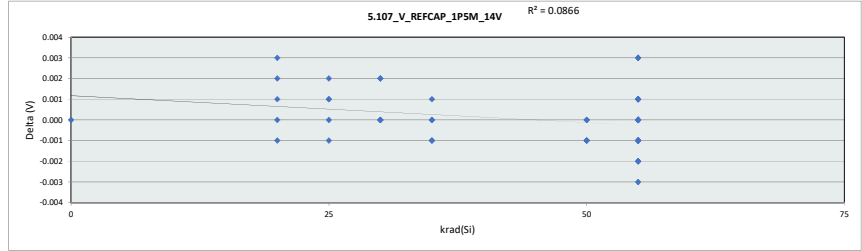


**HDR TID Report
TPS7H5007-SEP**

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

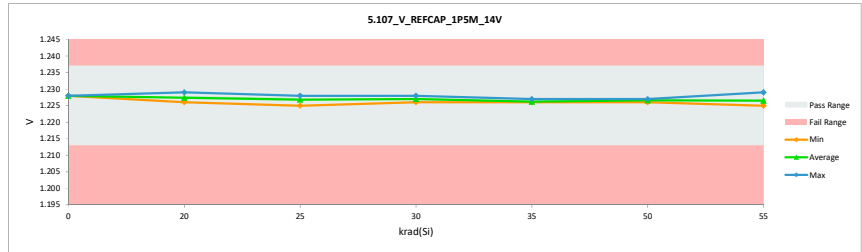
5.107_V_REFCAP_1P5M_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	1.228	1.228		0.000
25	1	1.227	1.228		0.001
25	2	1.226	1.227		0.001
25	3	1.226	1.228		0.002
25	4	1.226	1.226		0.000
25	5	1.226	1.225		-0.001
20	6	1.226	1.227		0.001
20	7	1.226	1.229		0.003
20	8	1.227	1.229		0.002
20	9	1.227	1.226		-0.001
20	10	1.226	1.226		0.000
35	11	1.226	1.226		0.000
35	12	1.226	1.227		0.001
35	13	1.227	1.226		-0.001
35	14	1.227	1.226		-0.001
35	15	1.226	1.226		0.000
30	16	1.226	1.226		0.000
30	17	1.226	1.228		0.002
30	18	1.227	1.227		0.000
30	19	1.226	1.226		0.000
30	20	1.226	1.228		0.002
55	21	1.227	1.226		-0.001
55	22	1.227	1.225		-0.002
55	23	1.226	1.226		0.000
55	24	1.226	1.225		-0.001
55	25	1.227	1.226		-0.001
55	26	1.227	1.227		0.000
55	27	1.227	1.226		-0.001
55	28	1.226	1.226		0.000
55	29	1.227	1.225		-0.002
55	30	1.226	1.226		0.000
55	31	1.227	1.228		0.001
55	32	1.227	1.226		-0.001
55	33	1.226	1.229		0.003
55	34	1.226	1.227		0.001
55	35	1.227	1.225		-0.002
55	36	1.226	1.229		0.003
55	37	1.227	1.228		0.001
55	38	1.227	1.227		0.000
55	39	1.227	1.227		0.000
55	40	1.226	1.226		0.000
55	41	1.228	1.225		-0.003
55	42	1.228	1.229		0.001
50	43	1.227	1.227		0.000
50	44	1.227	1.226		-0.001
50	45	1.227	1.226		-0.001
50	46	1.227	1.227		0.000
50	47	1.228	1.227		-0.001
Max		1.228	1.229		0.003
Average		1.227	1.227		0.000
Min		1.226	1.225		-0.003
Std Dev		0.001	0.001		0.001



5.107_V_REFCAP_1P5M_14V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.228	1.226	1.225	1.226	1.226	1.226	1.225
Average	1.228	1.227	1.227	1.227	1.226	1.227	1.227
Max	1.228	1.229	1.228	1.228	1.227	1.227	1.229
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

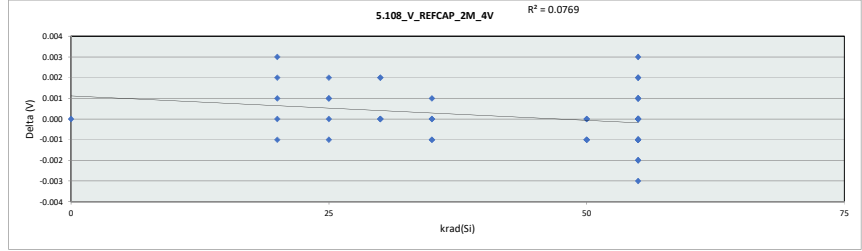


**HDR TID Report
TPS7H5007-SEP**

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

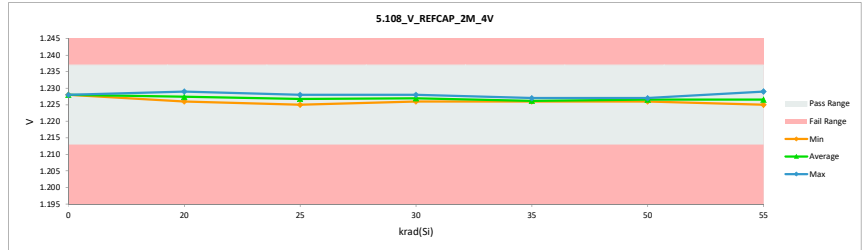
5.108_V_REFCAP_2M_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post_HD	Delta
0	48	1.228	1.228	0.000
25	1	1.227	1.228	0.001
25	2	1.226	1.227	0.001
25	3	1.226	1.228	0.002
25	4	1.226	1.226	0.000
25	5	1.226	1.225	-0.001
20	6	1.226	1.227	0.001
20	7	1.226	1.229	0.003
20	8	1.227	1.229	0.002
20	9	1.227	1.226	-0.001
20	10	1.226	1.226	0.000
35	11	1.226	1.226	0.000
35	12	1.226	1.227	0.001
35	13	1.227	1.226	-0.001
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	1.228	0.002
30	18	1.227	1.227	0.000
30	19	1.226	1.226	0.000
30	20	1.226	1.228	0.002
55	21	1.226	1.226	0.000
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.225	-0.001
55	25	1.227	1.226	-0.001
55	26	1.227	1.227	0.000
55	27	1.227	1.226	-0.001
55	28	1.226	1.226	0.000
55	29	1.227	1.225	-0.002
55	30	1.226	1.226	0.000
55	31	1.227	1.228	0.001
55	32	1.227	1.226	-0.001
55	33	1.226	1.229	0.003
55	34	1.226	1.227	0.001
55	35	1.226	1.225	-0.001
55	36	1.227	1.229	0.002
55	37	1.226	1.228	0.002
55	38	1.227	1.227	0.000
55	39	1.227	1.227	0.000
55	40	1.226	1.226	0.000
55	41	1.228	1.225	-0.003
55	42	1.228	1.229	0.001
50	43	1.227	1.227	0.000
50	44	1.227	1.226	-0.001
50	45	1.227	1.226	-0.001
50	46	1.227	1.227	0.000
50	47	1.228	1.227	-0.001
Max		1.228	1.229	0.003
Average		1.227	1.227	0.000
Min		1.226	1.225	-0.003
Std Dev		0.001	0.001	0.001



5.108_V_REFCAP_2M_4V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.228	1.226	1.225	1.226	1.226	1.226	1.225
Average	1.228	1.227	1.227	1.227	1.226	1.227	1.227
Max	1.228	1.229	1.228	1.228	1.227	1.227	1.229
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

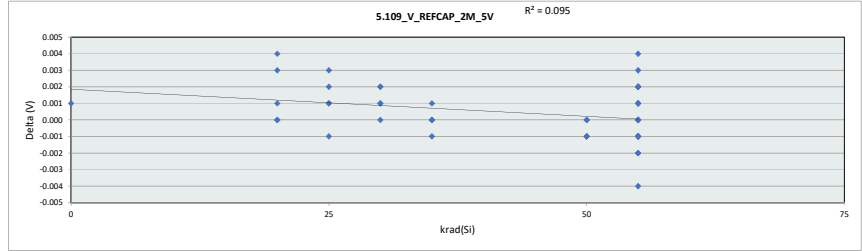


**HDR TID Report
TPS7H5007-SEP**

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

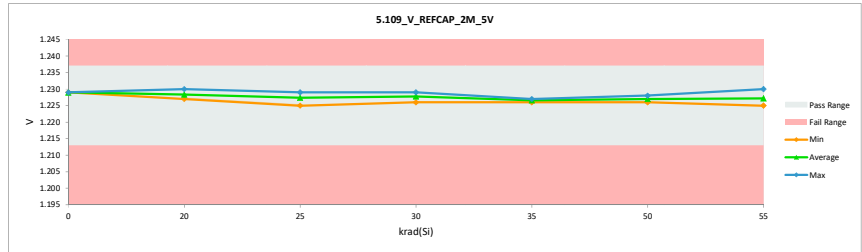
5.109_V_REFCAP_2M_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	1.228	1.229	0.001
25	1	1.227	1.229	0.002
25	2	1.226	1.227	0.001
25	3	1.226	1.229	0.003
25	4	1.226	1.227	0.001
25	5	1.226	1.225	-0.001
20	6	1.227	1.228	0.001
20	7	1.226	1.230	0.004
20	8	1.227	1.230	0.003
20	9	1.227	1.227	0.000
20	10	1.227	1.227	0.000
35	11	1.226	1.226	0.000
35	12	1.226	1.227	0.001
35	13	1.227	1.227	0.000
35	14	1.227	1.227	0.000
35	15	1.227	1.226	-0.001
30	16	1.226	1.226	0.000
30	17	1.227	1.229	0.002
30	18	1.227	1.228	0.001
30	19	1.226	1.227	0.001
30	20	1.227	1.229	0.002
55	21	1.227	1.226	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.226	0.000
55	24	1.226	1.226	0.000
55	25	1.227	1.226	-0.001
55	26	1.227	1.228	0.001
55	27	1.227	1.226	-0.001
55	28	1.226	1.227	0.001
55	29	1.227	1.226	-0.001
55	30	1.226	1.227	0.001
55	31	1.227	1.229	0.002
55	32	1.227	1.227	0.000
55	33	1.226	1.230	0.004
55	34	1.226	1.228	0.002
55	35	1.227	1.225	-0.002
55	36	1.227	1.230	0.003
55	37	1.227	1.229	0.002
55	38	1.228	1.228	0.000
55	39	1.228	1.228	0.000
55	40	1.227	1.226	-0.001
55	41	1.229	1.225	-0.004
55	42	1.228	1.230	0.002
50	43	1.227	1.227	0.000
50	44	1.227	1.226	-0.001
50	45	1.228	1.227	-0.001
50	46	1.228	1.228	0.000
50	47	1.228	1.227	-0.001
Max		1.229	1.230	0.004
Average		1.227	1.227	0.000
Min		1.226	1.225	-0.004
Std Dev		0.001	0.001	0.002



5.109_V_REFCAP_2M_5V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.229	1.227	1.225	1.226	1.226	1.226	1.225
Average	1.229	1.228	1.227	1.228	1.227	1.227	1.227
Max	1.229	1.230	1.229	1.229	1.227	1.228	1.230
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

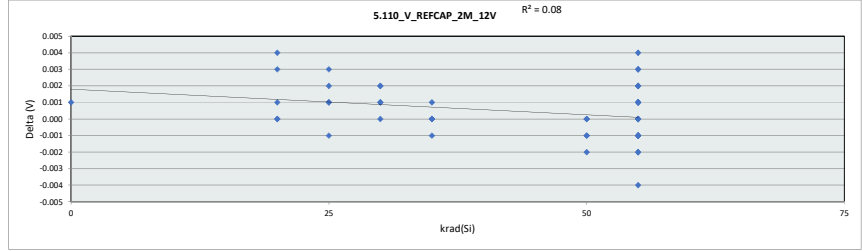


**HDR TID Report
TPS7H5007-SEP**

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

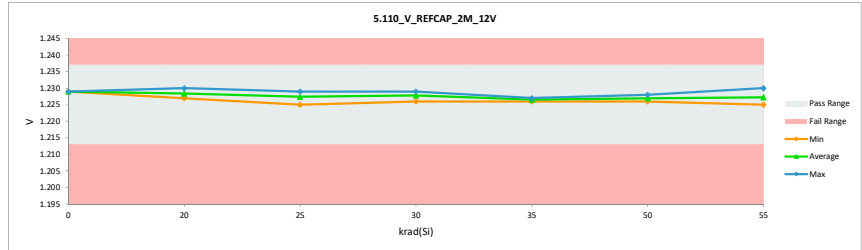
5.110_V_REFCAP_2M_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	1.228	1.229	0.001
25	1	1.227	1.229	0.002
25	2	1.226	1.227	0.001
25	3	1.226	1.229	0.003
25	4	1.226	1.227	0.001
25	5	1.226	1.225	-0.001
20	6	1.227	1.228	0.001
20	7	1.226	1.230	0.004
20	8	1.227	1.230	0.003
20	9	1.227	1.227	0.000
20	10	1.227	1.227	0.000
35	11	1.226	1.226	0.000
35	12	1.226	1.227	0.001
35	13	1.227	1.227	0.000
35	14	1.227	1.227	0.000
35	15	1.227	1.226	-0.001
30	16	1.226	1.226	0.000
30	17	1.227	1.229	0.002
30	18	1.227	1.228	0.001
30	19	1.226	1.227	0.001
30	20	1.227	1.229	0.002
55	21	1.227	1.226	-0.001
55	22	1.227	1.225	-0.002
55	23	1.226	1.227	0.001
55	24	1.226	1.226	0.000
55	25	1.227	1.226	-0.001
55	26	1.227	1.228	0.001
55	27	1.227	1.226	-0.001
55	28	1.226	1.227	0.001
55	29	1.227	1.226	-0.001
55	30	1.226	1.227	0.001
55	31	1.227	1.230	0.003
55	32	1.227	1.226	-0.001
55	33	1.226	1.230	0.004
55	34	1.226	1.228	0.002
55	35	1.227	1.225	-0.002
55	36	1.227	1.230	0.003
55	37	1.227	1.229	0.002
55	38	1.228	1.228	0.000
55	39	1.228	1.228	0.000
55	40	1.227	1.227	0.000
55	41	1.229	1.225	-0.004
55	42	1.228	1.230	0.002
50	43	1.227	1.227	0.000
50	44	1.228	1.226	-0.002
50	45	1.228	1.227	-0.001
50	46	1.228	1.228	0.000
50	47	1.228	1.227	-0.001
Max		1.229	1.230	0.004
Average		1.227	1.227	0.001
Min		1.226	1.225	-0.004
Std Dev		0.001	0.001	0.002



5.110_V_REFCAP_2M_12V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.229	1.227	1.225	1.226	1.226	1.226	1.225
Average	1.229	1.228	1.227	1.228	1.227	1.227	1.227
Max	1.229	1.230	1.229	1.229	1.227	1.228	1.230
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

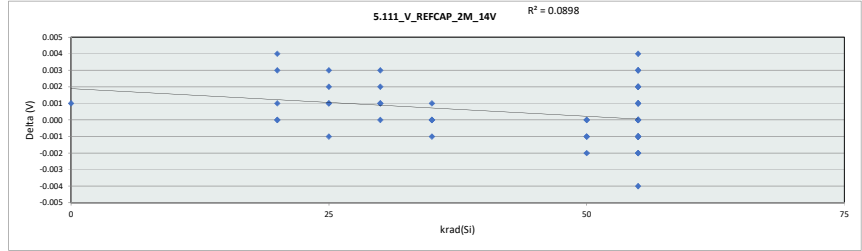


**HDR TID Report
TPS7H5007-SEP**

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

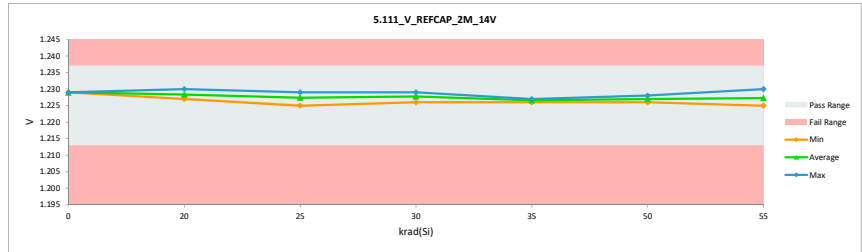
5.111_V_REFCAP_2M_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	1.237 1.237
Min Limit	1.213 1.213

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	1.228	1.229	0.001
25	1	1.227	1.229	0.002
25	2	1.226	1.227	0.001
25	3	1.226	1.229	0.003
25	4	1.226	1.227	0.001
25	5	1.226	1.225	-0.001
20	6	1.227	1.228	0.001
20	7	1.226	1.230	0.004
20	8	1.227	1.230	0.003
20	9	1.227	1.227	0.000
20	10	1.227	1.227	0.000
35	11	1.226	1.226	0.000
35	12	1.226	1.227	0.001
35	13	1.227	1.227	0.000
35	14	1.227	1.227	0.000
35	15	1.227	1.226	-0.001
30	16	1.226	1.226	0.000
30	17	1.227	1.229	0.002
30	18	1.227	1.228	0.001
30	19	1.226	1.227	0.001
30	20	1.226	1.229	0.003
55	21	1.227	1.226	-0.001
55	22	1.227	1.225	-0.002
55	23	1.227	1.227	0.000
55	24	1.226	1.226	0.000
55	25	1.227	1.226	-0.001
55	26	1.227	1.228	0.001
55	27	1.227	1.226	-0.001
55	28	1.226	1.227	0.001
55	29	1.227	1.226	-0.001
55	30	1.226	1.227	0.001
55	31	1.227	1.230	0.003
55	32	1.227	1.226	-0.001
55	33	1.226	1.230	0.004
55	34	1.226	1.228	0.002
55	35	1.227	1.225	-0.002
55	36	1.227	1.230	0.003
55	37	1.227	1.229	0.002
55	38	1.228	1.228	0.000
55	39	1.228	1.228	0.000
55	40	1.227	1.227	0.000
55	41	1.229	1.225	-0.004
55	42	1.228	1.230	0.002
50	43	1.227	1.227	0.000
50	44	1.228	1.226	-0.002
50	45	1.228	1.227	-0.001
50	46	1.228	1.228	0.000
50	47	1.228	1.227	-0.001
Max		1.229	1.230	0.004
Average		1.227	1.227	0.001
Min		1.226	1.225	-0.004
Std Dev		0.001	0.001	0.002



5.111_V_REFCAP_2M_14V	
Test Site	
Tester	
Test Number	
Unit	V V
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	1.229	1.227	1.225	1.226	1.226	1.226	1.225
Average	1.229	1.228	1.227	1.228	1.227	1.227	1.227
Max	1.229	1.230	1.229	1.229	1.227	1.228	1.230
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237

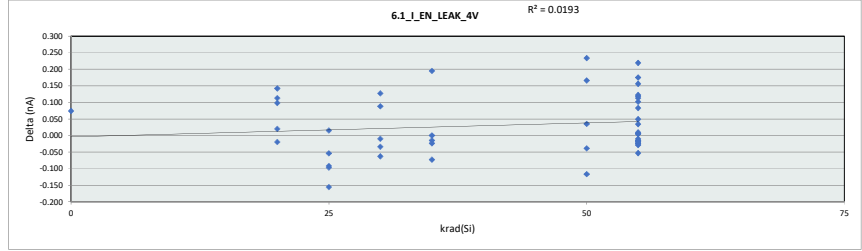


**HDR TID Report
TPS7H5007-SEP**

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

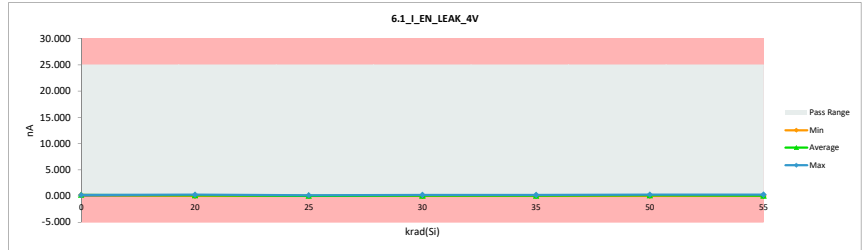
6.1_I_EN_LEAK_4V	
Test Site	
Tester	
Test Number	
Unit	nA
Max Limit	25
Min Limit	-0.1

krad(Si)	Serial #	SEP_Pre	SEP_Post	Delta
0	48	0.129	0.203	0.074
25	1	0.119	0.027	-0.092
25	2	0.139	0.154	0.015
25	3	0.168	0.012	-0.156
25	4	0.124	0.027	-0.097
25	5	0.115	0.061	-0.054
20	6	0.066	0.046	-0.020
20	7	0.002	0.144	0.142
20	8	0.046	0.066	0.020
20	9	0.134	0.232	0.098
20	10	0.129	0.242	0.113
35	11	0.017	0.212	0.195
35	12	0.056	0.041	-0.015
35	13	0.119	0.046	-0.073
35	14	0.178	0.154	-0.024
35	15	0.061	0.061	0.000
30	16	0.051	0.041	-0.010
30	17	0.134	0.222	0.088
30	18	0.100	0.066	-0.034
30	19	0.080	0.017	-0.063
30	20	0.056	0.183	0.127
55	21	0.154	0.139	-0.015
55	22	0.037	0.022	-0.015
55	23	0.139	0.129	-0.010
55	24	0.061	0.163	0.102
55	25	0.090	0.212	0.122
55	26	0.051	0.027	-0.024
55	27	0.002	0.051	0.049
55	28	0.119	0.222	0.113
55	29	0.022	0.105	0.083
55	30	0.051	0.056	0.005
55	31	0.032	0.251	0.219
55	32	0.139	0.115	-0.024
55	33	0.037	0.046	0.009
55	34	0.115	0.271	0.156
55	35	0.217	0.198	-0.019
55	36	0.202	0.183	-0.019
55	37	0.051	0.022	-0.029
55	38	0.071	0.246	0.175
55	39	0.119	0.066	-0.053
55	40	0.085	0.203	0.118
55	41	0.051	0.085	0.034
55	42	0.002	0.007	0.005
50	43	0.037	0.203	0.166
50	44	0.158	0.193	0.035
50	45	0.134	0.095	-0.039
50	46	0.037	0.271	0.234
50	47	0.129	0.012	-0.117
Max		0.217	0.271	0.234
Average		0.091	0.122	0.031
Min		0.002	0.007	-0.156
Std Dev		0.054	0.085	0.091



6.1_I_EN_LEAK_4V	
Test Site	
Tester	
Test Number	
Max Limit	25
Min Limit	-0.1

krad(Si)	0	20	25	30	35	50	55
LL	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min	0.203	0.046	0.012	0.017	0.041	0.012	0.007
Average	0.203	0.146	0.056	0.106	0.103	0.155	0.129
Max	0.203	0.242	0.154	0.222	0.212	0.271	0.271
UL	25.000	25.000	25.000	25.000	25.000	25.000	25.000

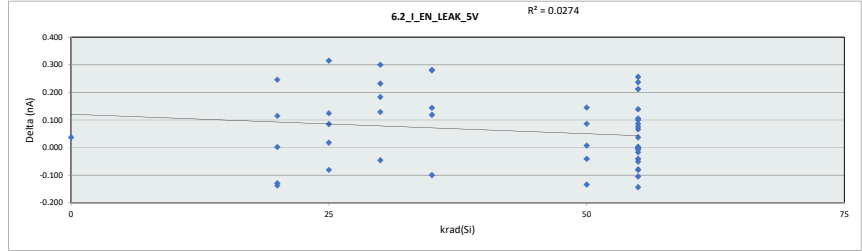


**HDR TID Report
TPS7H5007-SEP**

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

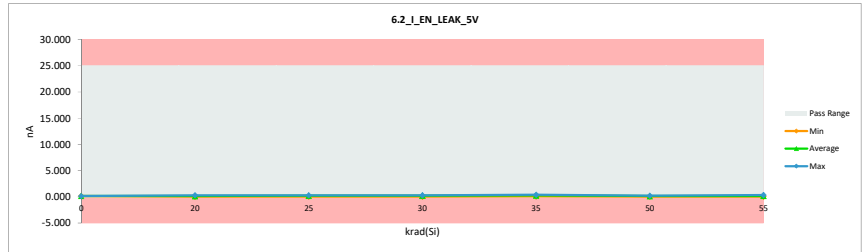
6.2_I_EN_LEAK_5V	
Test Site	
Tester	
Test Number	
Unit	nA
Max Limit	25
Min Limit	-0.1

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	0.129	0.166		0.037
25	1	0.188	0.273		0.085
25	2	0.149	0.273		0.124
25	3	0.080	0.098		0.018
25	4	0.149	0.068		-0.081
25	5	0.007	0.322		0.315
20	6	0.149	0.264		0.115
20	7	0.236	0.098		-0.138
20	8	0.149	0.020		-0.129
20	9	0.037	0.039		0.002
20	10	0.066	0.312		0.246
35	11	0.110	0.390		0.280
35	12	0.076	0.195		0.119
35	13	0.119	0.400		0.281
35	14	0.188	0.088		-0.100
35	15	0.090	0.234		0.144
30	16	0.085	0.039		-0.046
30	17	0.061	0.293		0.232
30	18	0.115	0.244		0.129
30	19	0.002	0.185		0.183
30	20	0.012	0.312		0.300
55	21	0.178	0.254		0.076
55	22	0.236	0.322		0.086
55	23	0.061	0.273		0.212
55	24	0.095	0.088		-0.007
55	25	0.295	0.293		-0.002
55	26	0.076	0.332		0.256
55	27	0.246	0.166		-0.080
55	28	0.041	0.039		-0.002
55	29	0.017	0.020		0.003
55	30	0.178	0.176		-0.002
55	31	0.090	0.049		-0.041
55	32	0.158	0.078		-0.080
55	33	0.076	0.215		0.139
55	34	0.217	0.166		-0.051
55	35	0.246	0.283		0.037
55	36	0.017	0.254		0.237
55	37	0.100	0.205		0.105
55	38	0.115	0.215		0.100
55	39	0.032	0.098		0.066
55	40	0.173	0.029		-0.144
55	41	0.222	0.117		-0.105
55	42	0.037	0.020		-0.017
50	43	0.188	0.195		0.007
50	44	0.217	0.176		-0.041
50	45	0.012	0.098		0.086
50	46	0.173	0.039		-0.134
50	47	0.080	0.225		0.145
Max		0.295	0.400		0.315
Average		0.120	0.182		0.062
Min		0.002	0.020		-0.144
Std Dev		0.076	0.108		0.129



6.2_I_EN_LEAK_5V	
Test Site	
Tester	
Test Number	
Unit	nA
Max Limit	25
Min Limit	-0.1

krad(Si)	0	20	25	30	35	50	55
LL	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min	0.166	0.020	0.068	0.039	0.088	0.039	0.020
Average	0.166	0.147	0.207	0.215	0.261	0.147	0.168
Max	0.166	0.312	0.322	0.312	0.400	0.225	0.332
UL	25.000	25.000	25.000	25.000	25.000	25.000	25.000

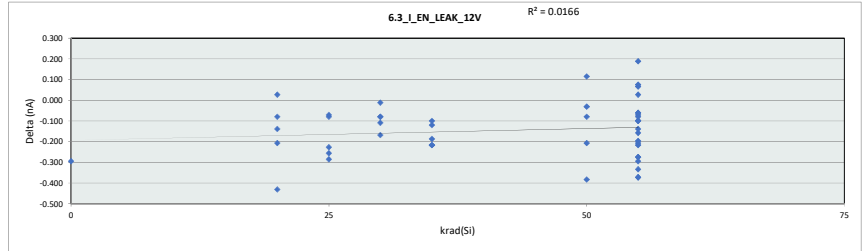


**HDR TID Report
TPS7H5007-SEP**

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

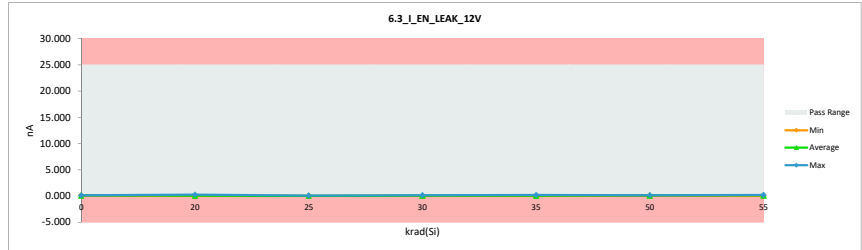
6.3_I_EN_LEAK_12V	
Test Site	
Tester	
Test Number	
Unit	nA
Max Limit	25
Min Limit	-0.1

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	0.422	0.127	-0.295
25	1	0.100	0.020	-0.080
25	2	0.334	0.107	-0.227
25	3	0.324	0.068	-0.256
25	4	0.071	0.000	-0.071
25	5	0.373	0.088	-0.285
20	6	0.441	0.010	-0.431
20	7	0.334	0.127	-0.207
20	8	0.149	0.010	-0.139
20	9	0.061	0.088	0.027
20	10	0.363	0.283	-0.080
35	11	0.324	0.107	-0.217
35	12	0.178	0.078	-0.100
35	13	0.275	0.088	-0.187
35	14	0.227	0.010	-0.217
35	15	0.305	0.185	-0.120
30	16	0.197	0.029	-0.168
30	17	0.158	0.146	-0.012
30	18	0.158	0.049	-0.109
30	19	0.129	0.049	-0.080
30	20	0.207	0.127	-0.080
55	21	0.017	0.205	0.188
55	22	0.246	0.146	-0.100
55	23	0.246	0.088	-0.158
55	24	0.178	0.098	-0.080
55	25	0.110	0.176	0.066
55	26	0.295	0.078	-0.217
55	27	0.080	0.107	0.027
55	28	0.295	0.020	-0.275
55	29	0.275	0.176	-0.099
55	30	0.295	0.020	-0.275
55	31	0.402	0.029	-0.373
55	32	0.266	0.205	-0.061
55	33	0.217	0.146	-0.071
55	34	0.500	0.127	-0.373
55	35	0.490	0.195	-0.295
55	36	0.363	0.166	-0.197
55	37	0.344	0.010	-0.334
55	38	0.090	0.029	-0.061
55	39	0.295	0.088	-0.207
55	40	0.071	0.146	0.075
55	41	0.197	0.098	-0.099
55	42	0.266	0.127	-0.139
50	43	0.324	0.117	-0.207
50	44	0.471	0.088	-0.383
50	45	0.217	0.137	-0.080
50	46	0.012	0.127	0.115
50	47	0.158	0.127	-0.031
Max		0.500	0.283	0.188
Average		0.247	0.101	-0.145
Min		0.012	0.000	-0.431
Std Dev		0.125	0.063	0.134



6.3_I_EN_LEAK_12V	
Test Site	
Tester	
Test Number	
Max Limit	25
Min Limit	-0.1

krad(Si)	0	20	25	30	35	50	55
LL	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min	0.127	0.010	0.020	0.029	0.010	0.088	0.010
Average	0.127	0.104	0.057	0.080	0.094	0.119	0.113
Max	0.127	0.283	0.107	0.146	0.185	0.137	0.205
UL	25.000	25.000	25.000	25.000	25.000	25.000	25.000

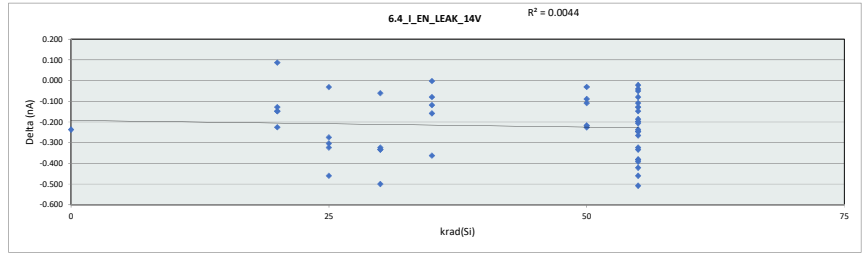


**HDR TID Report
TPS7H5007-SEP**

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

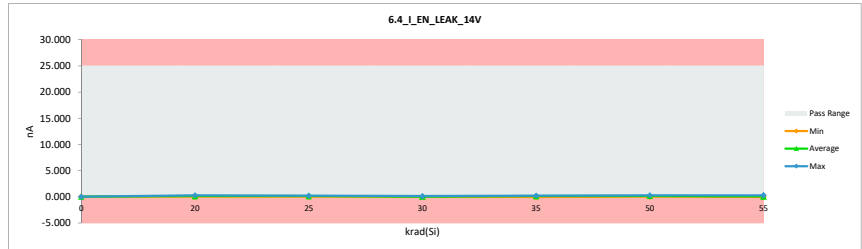
6.4_I_EN_LEAK_14V	
Test Site	
Tester	
Test Number	
Unit	nA
Max Limit	25
Min Limit	-0.1

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.266	0.029	-0.237
25	1	0.480	0.205	-0.275
25	2	0.334	0.029	-0.305
25	3	0.529	0.068	-0.461
25	4	0.178	0.146	-0.032
25	5	0.539	0.215	-0.324
20	6	0.207	0.059	-0.148
20	7	0.227	0.098	-0.129
20	8	0.363	0.137	-0.226
20	9	0.207	0.293	0.086
20	10	0.256	0.107	-0.149
35	11	0.344	0.185	-0.159
35	12	0.139	0.020	-0.119
35	13	0.373	0.010	-0.363
35	14	0.334	0.254	-0.080
35	15	0.188	0.185	-0.003
30	16	0.090	0.029	-0.061
30	17	0.422	0.088	-0.334
30	18	0.363	0.039	-0.324
30	19	0.549	0.049	-0.500
30	20	0.461	0.127	-0.334
55	21	0.519	0.010	-0.509
55	22	0.295	0.088	-0.207
55	23	0.275	0.088	-0.187
55	24	0.315	0.068	-0.247
55	25	0.383	0.000	-0.383
55	26	0.139	0.098	-0.041
55	27	0.168	0.088	-0.080
55	28	0.519	0.127	-0.392
55	29	0.119	0.010	-0.109
55	30	0.383	0.049	-0.334
55	31	0.373	0.107	-0.266
55	32	0.256	0.205	-0.051
55	33	0.471	0.010	-0.461
55	34	0.402	0.020	-0.382
55	35	0.451	0.127	-0.324
55	36	0.393	0.195	-0.198
55	37	0.558	0.312	-0.246
55	38	0.432	0.195	-0.237
55	39	0.168	0.146	-0.022
55	40	0.275	0.127	-0.148
55	41	0.451	0.029	-0.422
55	42	0.149	0.020	-0.129
50	43	0.236	0.127	-0.109
50	44	0.168	0.078	-0.090
50	45	0.246	0.029	-0.217
50	46	0.295	0.264	-0.031
50	47	0.510	0.283	-0.227
Max		0.558	0.312	0.086
Average		0.329	0.110	-0.219
Min		0.090	0.000	-0.509
Std Dev		0.133	0.085	0.144



6.4_I_EN_LEAK_14V	
Test Site	
Tester	
Test Number	
Max Limit	25
Min Limit	-0.1

krad(Si)	0	20	25	30	35	50	55
LL	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min	0.029	0.059	0.029	0.029	0.010	0.029	0.010
Average	0.029	0.139	0.133	0.066	0.131	0.156	0.096
Max	0.029	0.293	0.215	0.127	0.254	0.283	0.312
UL	25.000	25.000	25.000	25.000	25.000	25.000	25.000

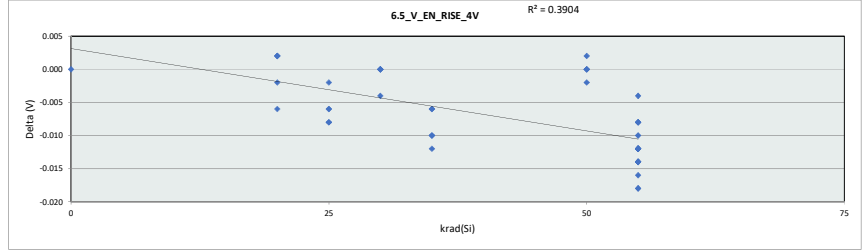


**HDR TID Report
TPS7H5007-SEP**

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

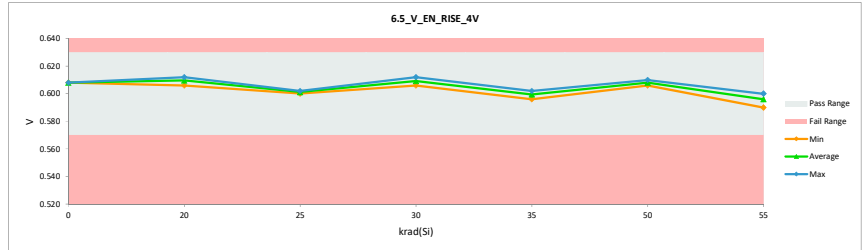
6.5_V_EN_RISE_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.63 0.63
Min Limit	0.57 0.57

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	0.608	0.608	0.000
25	1	0.604	0.602	-0.002
25	2	0.606	0.600	-0.006
25	3	0.608	0.600	-0.008
25	4	0.610	0.602	-0.008
25	5	0.608	0.602	-0.006
20	6	0.610	0.608	-0.002
20	7	0.610	0.612	0.002
20	8	0.608	0.610	0.002
20	9	0.612	0.606	-0.006
20	10	0.610	0.612	0.002
35	11	0.608	0.602	-0.006
35	12	0.610	0.600	-0.010
35	13	0.608	0.602	-0.006
35	14	0.608	0.598	-0.010
35	15	0.608	0.596	-0.012
30	16	0.610	0.606	-0.004
30	17	0.612	0.612	0.000
30	18	0.612	0.612	0.000
30	19	0.608	0.608	0.000
30	20	0.608	0.608	0.000
55	21	0.608	0.598	-0.010
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	0.608	0.596	-0.012
55	26	0.608	0.596	-0.012
55	27	0.608	0.596	-0.012
55	28	0.610	0.596	-0.014
55	29	0.606	0.598	-0.008
55	30	0.610	0.592	-0.018
55	31	0.612	0.600	-0.012
55	32	0.610	0.596	-0.014
55	33	0.604	0.600	-0.004
55	34	0.608	0.590	-0.018
55	35	0.610	0.596	-0.014
55	36	0.608	0.600	-0.008
55	37	0.612	0.598	-0.014
55	38	0.610	0.598	-0.012
55	39	0.606	0.598	-0.008
55	40	0.606	0.592	-0.014
55	41	0.608	0.592	-0.016
55	42	0.610	0.598	-0.012
50	43	0.608	0.608	0.000
50	44	0.604	0.606	0.002
50	45	0.610	0.608	-0.002
50	46	0.608	0.608	0.000
50	47	0.610	0.610	0.000
Max		0.612	0.612	0.002
Average		0.608	0.601	-0.007
Min		0.604	0.590	-0.018
Std Dev		0.002	0.006	0.006



6.5_V_EN_RISE_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.63 V
Min Limit	0.57 V

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	0.608	0.606	0.600	0.606	0.596	0.606	0.570
Average	0.608	0.610	0.601	0.609	0.600	0.608	0.596
Max	0.608	0.612	0.602	0.612	0.602	0.610	0.600
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630

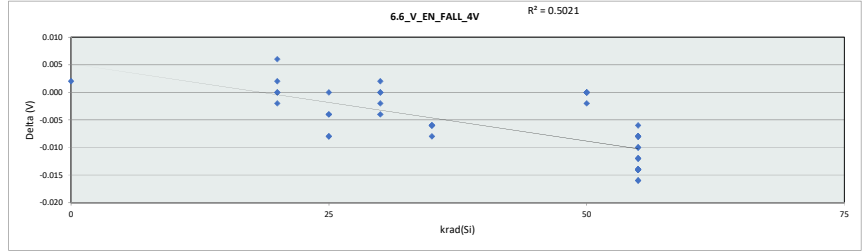


**HDR TID Report
TPS7H5007-SEP**

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

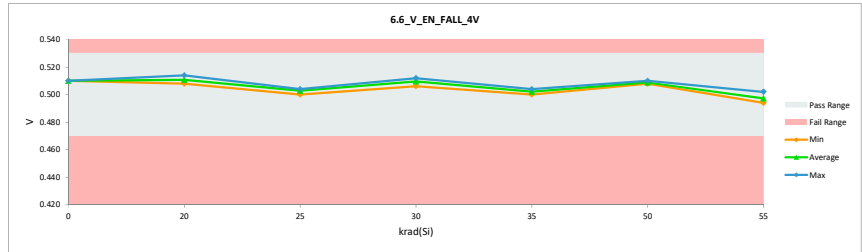
6.6_V_EN_FALL_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 0.53
Min Limit	0.47 0.47

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.508	0.510	0.002
25	1	0.504	0.504	0.000
25	2	0.508	0.500	-0.008
25	3	0.508	0.504	-0.004
25	4	0.508	0.504	-0.004
25	5	0.510	0.502	-0.008
20	6	0.510	0.510	0.000
20	7	0.510	0.512	0.002
20	8	0.508	0.514	0.006
20	9	0.510	0.508	-0.002
20	10	0.510	0.510	0.000
35	11	0.510	0.504	-0.006
35	12	0.510	0.504	-0.006
35	13	0.508	0.502	-0.006
35	14	0.508	0.500	-0.008
35	15	0.506	0.500	-0.006
30	16	0.510	0.506	-0.004
30	17	0.512	0.510	-0.002
30	18	0.512	0.512	0.000
30	19	0.510	0.510	0.000
30	20	0.508	0.510	0.002
55	21	0.508	0.500	-0.008
55	22	0.508	0.494	-0.014
55	23	0.508	0.494	-0.014
55	24	0.508	0.496	-0.012
55	25	0.510	0.496	-0.014
55	26	0.508	0.500	-0.008
55	27	0.510	0.496	-0.014
55	28	0.510	0.496	-0.014
55	29	0.508	0.498	-0.010
55	30	0.510	0.496	-0.014
55	31	0.510	0.502	-0.008
55	32	0.512	0.500	-0.012
55	33	0.506	0.500	-0.006
55	34	0.510	0.494	-0.016
55	35	0.510	0.496	-0.014
55	36	0.508	0.500	-0.008
55	37	0.512	0.498	-0.014
55	38	0.510	0.500	-0.010
55	39	0.506	0.498	-0.008
55	40	0.508	0.494	-0.014
55	41	0.510	0.494	-0.016
55	42	0.510	0.498	-0.012
50	43	0.508	0.508	0.000
50	44	0.508	0.508	0.000
50	45	0.510	0.508	-0.002
50	46	0.510	0.510	0.000
50	47	0.510	0.510	0.000
Max		0.512	0.514	0.006
Average		0.509	0.502	-0.007
Min		0.504	0.494	-0.016
Std Dev		0.002	0.006	0.006



6.6_V_EN_FALL_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 V
Min Limit	0.47 V

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	0.510	0.508	0.500	0.506	0.500	0.508	0.494
Average	0.510	0.511	0.503	0.510	0.502	0.509	0.497
Max	0.510	0.514	0.504	0.512	0.504	0.510	0.502
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

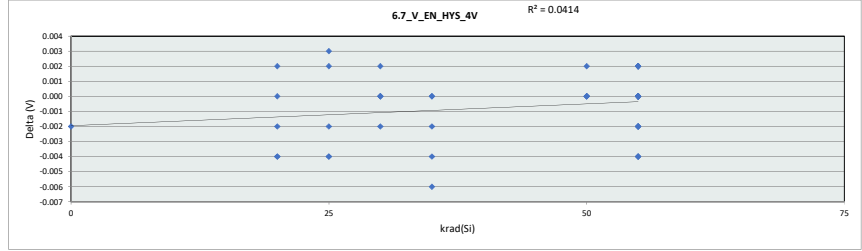


**HDR TID Report
TPS7H5007-SEP**

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

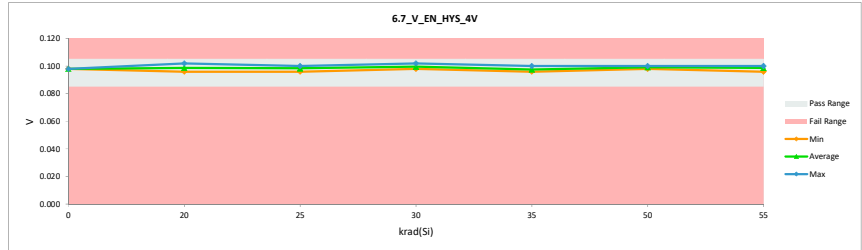
6.7_V_EN_HYS_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.105 0.105
Min Limit	0.085 0.085

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	0.100	0.098		-0.002
25	1	0.100	0.098		-0.002
25	2	0.098	0.100		0.002
25	3	0.100	0.096		-0.004
25	4	0.102	0.098		-0.004
25	5	0.097	0.100		0.003
20	6	0.100	0.098		-0.002
20	7	0.100	0.100		0.000
20	8	0.100	0.096		-0.004
20	9	0.102	0.098		-0.004
20	10	0.100	0.102		0.002
35	11	0.098	0.098		0.000
35	12	0.100	0.096		-0.004
35	13	0.100	0.100		0.000
35	14	0.100	0.098		-0.002
35	15	0.102	0.096		-0.006
30	16	0.100	0.100		0.000
30	17	0.100	0.102		0.002
30	18	0.100	0.100		0.000
30	19	0.098	0.098		0.000
30	20	0.100	0.098		-0.002
55	21	0.100	0.098		-0.002
55	22	0.098	0.100		0.002
55	23	0.100	0.100		0.000
55	24	0.098	0.098		0.000
55	25	0.098	0.100		0.002
55	26	0.100	0.096		-0.004
55	27	0.098	0.100		0.002
55	28	0.100	0.100		0.000
55	29	0.098	0.100		0.002
55	30	0.100	0.096		-0.004
55	31	0.102	0.098		-0.004
55	32	0.098	0.096		-0.002
55	33	0.098	0.100		0.002
55	34	0.098	0.096		-0.002
55	35	0.100	0.100		0.000
55	36	0.100	0.100		0.000
55	37	0.100	0.100		0.000
55	38	0.100	0.098		-0.002
55	39	0.100	0.100		0.000
55	40	0.098	0.098		0.000
55	41	0.098	0.098		0.000
55	42	0.100	0.100		0.000
50	43	0.100	0.100		0.000
50	44	0.096	0.098		0.002
50	45	0.100	0.100		0.000
50	46	0.098	0.098		0.000
50	47	0.100	0.100		0.000
Max		0.102	0.102		0.003
Average		0.099	0.099		-0.001
Min		0.096	0.096		-0.006
Std Dev		0.001	0.002		0.002



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

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	0.098	0.096	0.096	0.098	0.096	0.098	0.096
Average	0.098	0.099	0.098	0.100	0.098	0.099	0.099
Max	0.098	0.102	0.100	0.102	0.100	0.100	0.100
UL	0.105	0.105	0.105	0.105	0.105	0.105	0.105

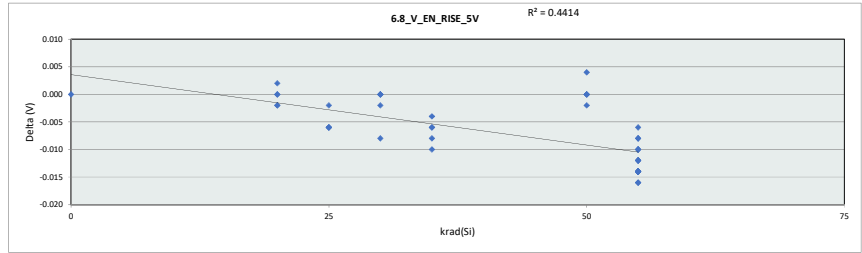


**HDR TID Report
TPS7H5007-SEP**

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

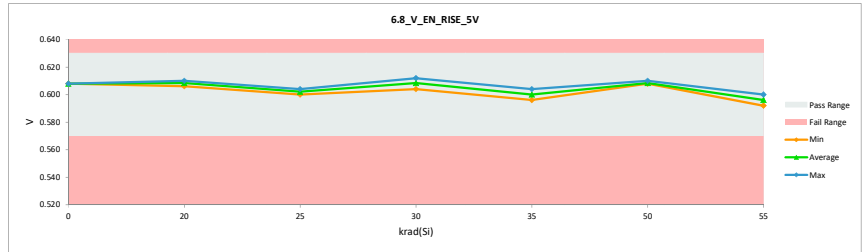
6.8_V_EN_RISE_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.63
Min Limit	0.57

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.608	0.608	0.000
25	1	0.604	0.602	-0.002
25	2	0.606	0.600	-0.006
25	3	0.608	0.602	-0.006
25	4	0.610	0.604	-0.006
25	5	0.608	0.602	-0.006
20	6	0.608	0.608	0.000
20	7	0.610	0.610	0.000
20	8	0.608	0.610	0.002
20	9	0.608	0.606	-0.002
20	10	0.610	0.608	-0.002
35	11	0.608	0.604	-0.004
35	12	0.610	0.600	-0.010
35	13	0.608	0.602	-0.006
35	14	0.604	0.598	-0.006
35	15	0.604	0.596	-0.008
30	16	0.612	0.604	-0.008
30	17	0.612	0.612	0.000
30	18	0.610	0.608	-0.002
30	19	0.608	0.608	0.000
30	20	0.610	0.610	0.000
55	21	0.608	0.598	-0.010
55	22	0.608	0.594	-0.014
55	23	0.608	0.594	-0.014
55	24	0.606	0.594	-0.012
55	25	0.608	0.596	-0.012
55	26	0.608	0.598	-0.010
55	27	0.610	0.596	-0.014
55	28	0.612	0.598	-0.014
55	29	0.606	0.594	-0.012
55	30	0.608	0.594	-0.014
55	31	0.610	0.598	-0.012
55	32	0.612	0.598	-0.014
55	33	0.606	0.600	-0.006
55	34	0.608	0.592	-0.016
55	35	0.610	0.596	-0.014
55	36	0.608	0.600	-0.008
55	37	0.612	0.598	-0.014
55	38	0.610	0.600	-0.010
55	39	0.606	0.598	-0.008
55	40	0.606	0.592	-0.014
55	41	0.608	0.592	-0.016
55	42	0.610	0.596	-0.014
50	43	0.608	0.608	0.000
50	44	0.604	0.608	0.004
50	45	0.610	0.608	-0.002
50	46	0.608	0.608	0.000
50	47	0.610	0.610	0.000
Max		0.612	0.612	0.004
Average		0.608	0.601	-0.007
Min		0.604	0.592	-0.016
Std Dev		0.002	0.006	0.006



6.8_V_EN_RISE_5V	
Test Site	
Tester	
Test Number	
Unit	V
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	0.608	0.606	0.600	0.604	0.596	0.608	0.592
Average	0.608	0.608	0.602	0.608	0.600	0.608	0.596
Max	0.608	0.610	0.604	0.612	0.604	0.610	0.600
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630

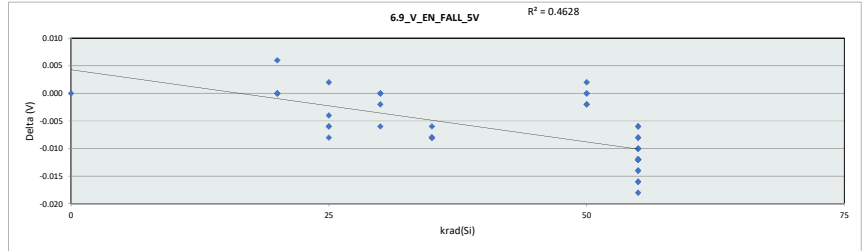


**HDR TID Report
TPS7H5007-SEP**

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

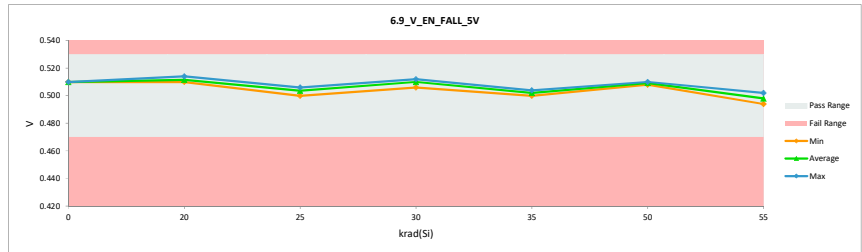
6.9_V_EN_FALL_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.47

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	0.510	0.510	0.000
25	1	0.504	0.506	-0.002
25	2	0.508	0.500	-0.008
25	3	0.508	0.504	-0.004
25	4	0.510	0.504	-0.006
25	5	0.510	0.504	-0.006
20	6	0.510	0.510	0.000
20	7	0.512	0.512	0.000
20	8	0.508	0.514	0.006
20	9	0.510	0.510	0.000
20	10	0.512	0.512	0.000
35	11	0.512	0.504	-0.008
35	12	0.512	0.504	-0.008
35	13	0.508	0.502	-0.006
35	14	0.508	0.500	-0.008
35	15	0.508	0.500	-0.008
30	16	0.512	0.506	-0.006
30	17	0.512	0.512	0.000
30	18	0.512	0.512	0.000
30	19	0.510	0.510	0.000
30	20	0.512	0.510	-0.002
55	21	0.508	0.500	-0.008
55	22	0.508	0.496	-0.012
55	23	0.508	0.496	-0.012
55	24	0.508	0.496	-0.012
55	25	0.510	0.498	-0.012
55	26	0.508	0.502	-0.006
55	27	0.510	0.496	-0.014
55	28	0.512	0.496	-0.016
55	29	0.510	0.498	-0.012
55	30	0.510	0.496	-0.014
55	31	0.512	0.502	-0.010
55	32	0.512	0.500	-0.012
55	33	0.506	0.500	-0.006
55	34	0.510	0.494	-0.016
55	35	0.510	0.498	-0.012
55	36	0.508	0.500	-0.008
55	37	0.512	0.500	-0.012
55	38	0.510	0.500	-0.010
55	39	0.510	0.498	-0.012
55	40	0.508	0.496	-0.012
55	41	0.512	0.494	-0.018
55	42	0.510	0.500	-0.010
50	43	0.508	0.510	0.002
50	44	0.508	0.508	0.000
50	45	0.510	0.508	-0.002
50	46	0.512	0.510	-0.002
50	47	0.510	0.510	0.000
Max		0.512	0.514	0.006
Average		0.510	0.503	-0.007
Min		0.504	0.494	-0.018
Std Dev		0.002	0.006	0.006



6.9_V_EN_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	0.510	0.510	0.500	0.506	0.500	0.508	0.494
Average	0.510	0.512	0.504	0.510	0.502	0.509	0.498
Max	0.510	0.514	0.506	0.512	0.504	0.510	0.502
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

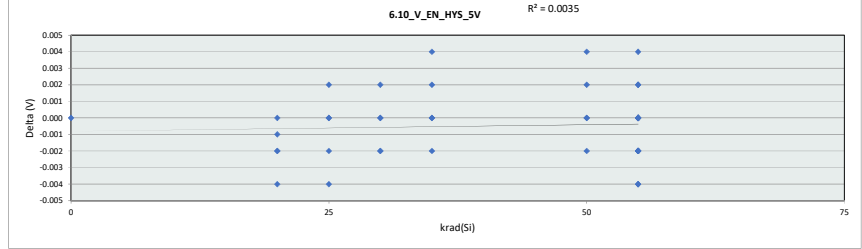


**HDR TID Report
TPS7H5007-SEP**

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

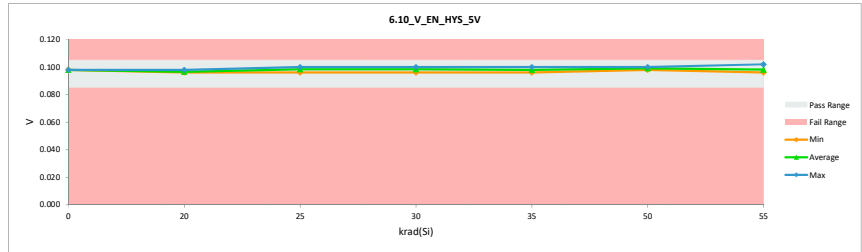
6.10_V_EN_HYS_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.105 0.105
Min Limit	0.085 0.085

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	0.098	0.098		0.000
25	1	0.100	0.096		-0.004
25	2	0.098	0.100		0.002
25	3	0.100	0.098		-0.002
25	4	0.100	0.100		0.000
25	5	0.098	0.098		0.000
20	6	0.098	0.097		-0.001
20	7	0.098	0.098		0.000
20	8	0.100	0.096		-0.004
20	9	0.098	0.096		-0.002
20	10	0.098	0.096		-0.002
35	11	0.096	0.100		0.004
35	12	0.098	0.096		-0.002
35	13	0.100	0.100		0.000
35	14	0.096	0.098		0.002
35	15	0.096	0.096		0.000
30	16	0.100	0.098		-0.002
30	17	0.100	0.100		0.000
30	18	0.098	0.096		-0.002
30	19	0.098	0.098		0.000
30	20	0.098	0.100		0.002
55	21	0.100	0.098		-0.002
55	22	0.100	0.098		-0.002
55	23	0.100	0.098		-0.002
55	24	0.098	0.098		0.000
55	25	0.098	0.098		0.000
55	26	0.100	0.096		-0.004
55	27	0.100	0.100		0.000
55	28	0.100	0.102		0.002
55	29	0.096	0.096		0.000
55	30	0.098	0.098		0.000
55	31	0.098	0.096		-0.002
55	32	0.100	0.098		-0.002
55	33	0.100	0.100		0.000
55	34	0.098	0.098		0.000
55	35	0.100	0.098		-0.002
55	36	0.100	0.100		0.000
55	37	0.100	0.098		-0.002
55	38	0.100	0.100		0.000
55	39	0.096	0.100		0.004
55	40	0.098	0.096		-0.002
55	41	0.096	0.098		0.002
55	42	0.100	0.096		-0.004
50	43	0.100	0.098		-0.002
50	44	0.096	0.100		0.004
50	45	0.100	0.100		0.000
50	46	0.096	0.098		0.002
50	47	0.100	0.100		0.000
	Max	0.100	0.102		0.004
	Average	0.099	0.098		0.000
	Min	0.096	0.096		-0.004
	Std Dev	0.001	0.002		0.002



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

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	0.098	0.096	0.096	0.096	0.096	0.098	0.096
Average	0.098	0.097	0.098	0.098	0.098	0.099	0.098
Max	0.098	0.098	0.100	0.100	0.100	0.100	0.102
UL	0.105	0.105	0.105	0.105	0.105	0.105	0.105

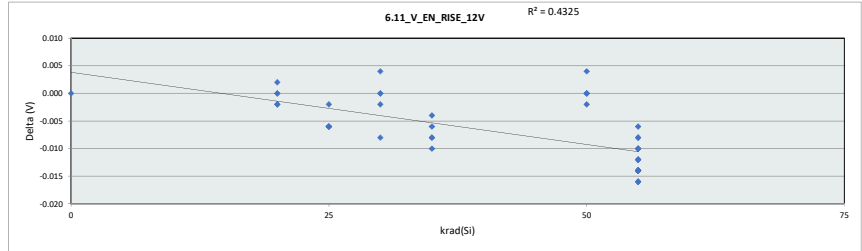


**HDR TID Report
TPS7H5007-SEP**

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

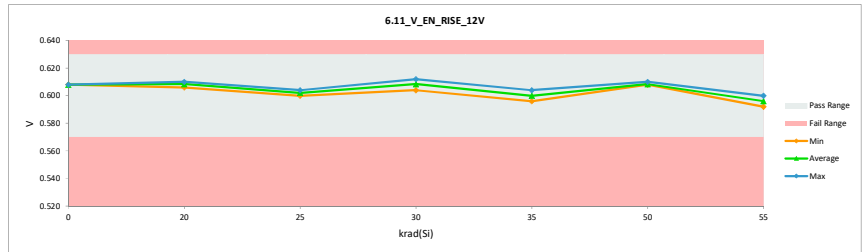
6.11_V_EN_RISE_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.63 0.63
Min Limit	0.57 0.57

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	0.608	0.608		0.000
25	1	0.604	0.602		-0.002
25	2	0.606	0.600		-0.006
25	3	0.608	0.602		-0.006
25	4	0.610	0.604		-0.006
25	5	0.608	0.602		-0.006
20	6	0.608	0.608		0.000
20	7	0.610	0.610		0.000
20	8	0.608	0.610		0.002
20	9	0.608	0.606		-0.002
20	10	0.610	0.608		-0.002
35	11	0.608	0.604		-0.004
35	12	0.610	0.600		-0.010
35	13	0.608	0.602		-0.006
35	14	0.606	0.598		-0.008
35	15	0.604	0.596		-0.008
30	16	0.612	0.604		-0.008
30	17	0.608	0.612		0.004
30	18	0.610	0.608		-0.002
30	19	0.608	0.608		0.000
30	20	0.610	0.610		0.000
55	21	0.608	0.598		-0.010
55	22	0.608	0.594		-0.014
55	23	0.608	0.594		-0.014
55	24	0.606	0.594		-0.012
55	25	0.608	0.596		-0.012
55	26	0.608	0.598		-0.010
55	27	0.610	0.596		-0.014
55	28	0.612	0.596		-0.016
55	29	0.606	0.594		-0.012
55	30	0.608	0.594		-0.014
55	31	0.610	0.598		-0.012
55	32	0.612	0.598		-0.014
55	33	0.606	0.600		-0.006
55	34	0.608	0.592		-0.016
55	35	0.610	0.596		-0.014
55	36	0.608	0.600		-0.008
55	37	0.612	0.598		-0.014
55	38	0.610	0.600		-0.010
55	39	0.606	0.598		-0.008
55	40	0.606	0.592		-0.014
55	41	0.608	0.592		-0.016
55	42	0.610	0.596		-0.014
50	43	0.608	0.608		0.000
50	44	0.604	0.608		0.004
50	45	0.610	0.608		-0.002
50	46	0.608	0.608		0.000
50	47	0.610	0.610		0.000
	Max	0.612	0.612		0.004
	Average	0.608	0.601		-0.007
	Min	0.604	0.592		-0.016
	Std Dev	0.002	0.006		0.006



6.11_V_EN_RISE_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.63 V
Min Limit	0.57 V

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	0.608	0.606	0.600	0.604	0.596	0.608	0.592
Average	0.608	0.608	0.602	0.608	0.600	0.608	0.596
Max	0.608	0.610	0.604	0.612	0.604	0.610	0.600
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630

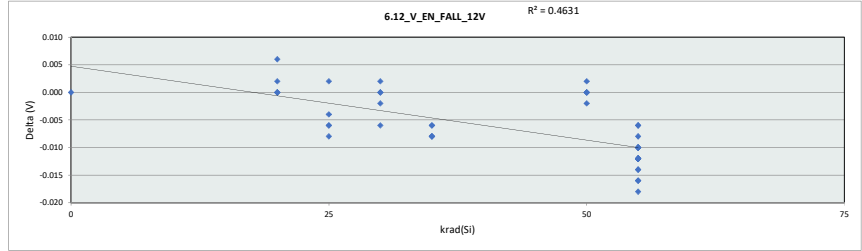


**HDR TID Report
TPS7H5007-SEP**

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

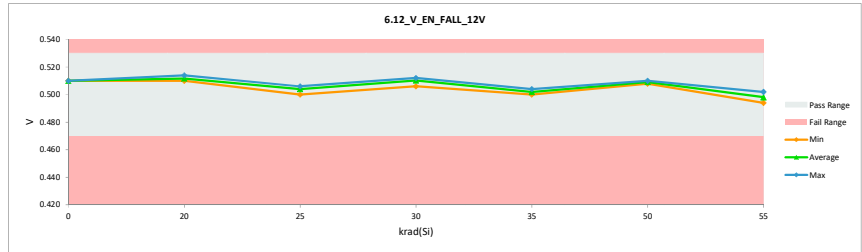
6.12_V_EN_FALL_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 0.53
Min Limit	0.47 0.47

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.510	0.510	0.000
25	1	0.504	0.506	-0.002
25	2	0.508	0.500	-0.008
25	3	0.510	0.504	-0.006
25	4	0.510	0.506	-0.004
25	5	0.510	0.504	-0.006
20	6	0.510	0.510	0.000
20	7	0.510	0.512	0.002
20	8	0.508	0.514	0.006
20	9	0.510	0.510	0.000
20	10	0.512	0.512	0.000
35	11	0.512	0.504	-0.008
35	12	0.512	0.504	-0.008
35	13	0.508	0.502	-0.006
35	14	0.508	0.500	-0.008
35	15	0.506	0.500	-0.006
30	16	0.512	0.506	-0.006
30	17	0.512	0.512	0.000
30	18	0.512	0.512	0.000
30	19	0.510	0.512	0.002
30	20	0.512	0.510	-0.002
55	21	0.510	0.500	-0.010
55	22	0.508	0.496	-0.012
55	23	0.508	0.494	-0.014
55	24	0.508	0.496	-0.012
55	25	0.510	0.498	-0.012
55	26	0.508	0.502	-0.006
55	27	0.510	0.498	-0.012
55	28	0.512	0.496	-0.016
55	29	0.510	0.500	-0.010
55	30	0.510	0.496	-0.014
55	31	0.512	0.502	-0.010
55	32	0.512	0.500	-0.012
55	33	0.506	0.500	-0.006
55	34	0.510	0.494	-0.016
55	35	0.510	0.498	-0.012
55	36	0.508	0.500	-0.008
55	37	0.512	0.500	-0.012
55	38	0.510	0.500	-0.010
55	39	0.510	0.498	-0.012
55	40	0.508	0.496	-0.012
55	41	0.512	0.494	-0.018
55	42	0.510	0.500	-0.010
50	43	0.508	0.510	0.002
50	44	0.508	0.508	0.000
50	45	0.510	0.508	-0.002
50	46	0.510	0.510	0.000
50	47	0.510	0.510	0.000
Max		0.512	0.514	0.006
Average		0.510	0.503	-0.007
Min		0.504	0.494	-0.018
Std Dev		0.002	0.006	0.006



6.12_V_EN_FALL_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 V
Min Limit	0.47 V

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	0.510	0.510	0.500	0.506	0.500	0.508	0.494
Average	0.510	0.512	0.504	0.510	0.502	0.509	0.498
Max	0.510	0.514	0.506	0.512	0.504	0.510	0.502
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

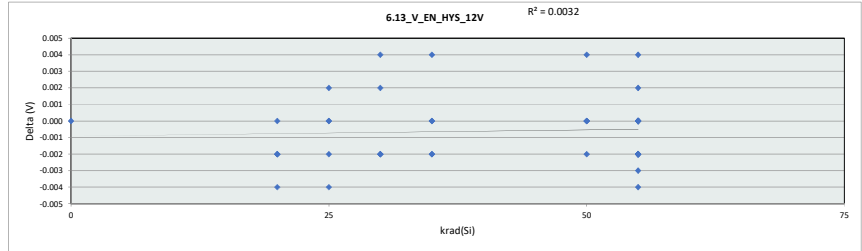


**HDR TID Report
TPS7H5007-SEP**

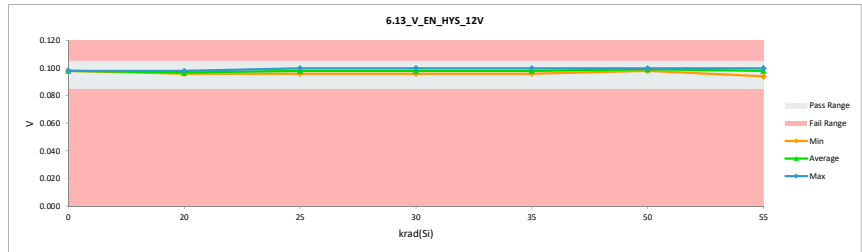
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

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

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	0.098	0.098		0.000
25	1	0.100	0.096		-0.004
25	2	0.098	0.100		0.002
25	3	0.098	0.098		0.000
25	4	0.100	0.098		-0.002
25	5	0.098	0.098		0.000
20	6	0.098	0.098		0.000
20	7	0.100	0.098		-0.002
20	8	0.100	0.096		-0.004
20	9	0.098	0.096		-0.002
20	10	0.098	0.096		-0.002
35	11	0.096	0.100		0.004
35	12	0.098	0.096		-0.002
35	13	0.100	0.100		0.000
35	14	0.098	0.098		0.000
35	15	0.098	0.096		-0.002
30	16	0.100	0.098		-0.002
30	17	0.096	0.100		0.004
30	18	0.098	0.096		-0.002
30	19	0.098	0.096		-0.002
30	20	0.098	0.100		0.002
55	21	0.098	0.098		0.000
55	22	0.100	0.098		-0.002
55	23	0.100	0.100		0.000
55	24	0.098	0.098		0.000
55	25	0.098	0.098		0.000
55	26	0.100	0.096		-0.004
55	27	0.100	0.098		-0.002
55	28	0.100	0.100		0.000
55	29	0.096	0.094		-0.002
55	30	0.098	0.098		0.000
55	31	0.098	0.096		-0.002
55	32	0.100	0.098		-0.002
55	33	0.100	0.100		0.000
55	34	0.098	0.098		0.000
55	35	0.100	0.098		-0.002
55	36	0.100	0.100		0.000
55	37	0.100	0.098		-0.002
55	38	0.100	0.100		0.000
55	39	0.096	0.100		0.004
55	40	0.098	0.096		-0.002
55	41	0.096	0.098		0.002
55	42	0.099	0.096		-0.003
50	43	0.100	0.098		-0.002
50	44	0.096	0.100		0.004
50	45	0.100	0.100		0.000
50	46	0.098	0.098		0.000
50	47	0.100	0.100		0.000
Max		0.100	0.100		0.004
Average		0.099	0.098		-0.001
Min		0.096	0.094		-0.004
Std Dev		0.001	0.002		0.002



6.13_V_EN_HYS_12V						
Test Site						
Tester						
Test Number						
Max Limit	0.105	V				
Min Limit	0.085	V				
krad(Si)	0	20	25	30	35	50
LL	0.085	0.085	0.085	0.085	0.085	0.085
Min	0.098	0.096	0.096	0.096	0.096	0.098
Average	0.098	0.097	0.098	0.098	0.098	0.099
Max	0.098	0.098	0.100	0.100	0.100	0.100
UL	0.105	0.105	0.105	0.105	0.105	0.105

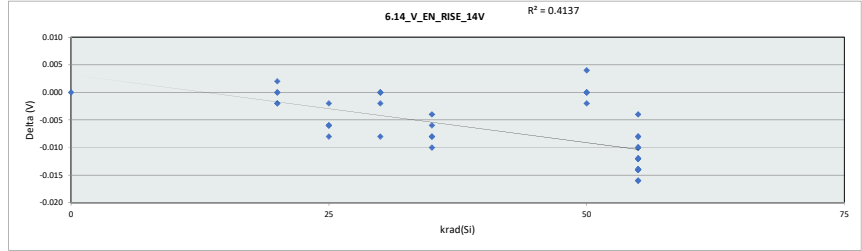


**HDR TID Report
TPS7H5007-SEP**

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

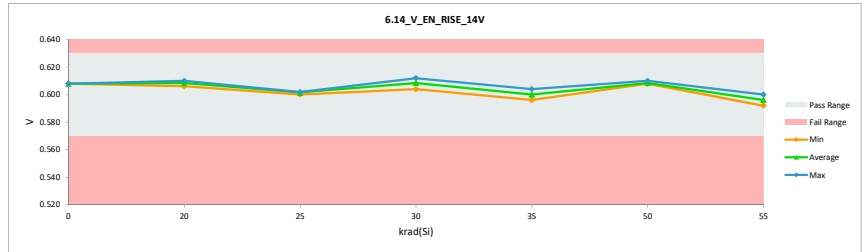
6.14_V_EN_RISE_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.63 0.63
Min Limit	0.57 0.57

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	0.608	0.608	0.000
25	1	0.604	0.602	-0.002
25	2	0.606	0.600	-0.006
25	3	0.608	0.602	-0.006
25	4	0.610	0.602	-0.008
25	5	0.608	0.602	-0.006
20	6	0.608	0.608	0.000
20	7	0.610	0.610	0.000
20	8	0.608	0.610	0.002
20	9	0.608	0.606	-0.002
20	10	0.610	0.608	-0.002
35	11	0.608	0.604	-0.004
35	12	0.610	0.600	-0.010
35	13	0.608	0.602	-0.006
35	14	0.606	0.598	-0.008
35	15	0.604	0.596	-0.008
30	16	0.612	0.604	-0.008
30	17	0.612	0.612	0.000
30	18	0.608	0.608	0.000
30	19	0.610	0.608	-0.002
30	20	0.610	0.610	0.000
55	21	0.608	0.598	-0.010
55	22	0.608	0.594	-0.014
55	23	0.608	0.594	-0.014
55	24	0.606	0.594	-0.012
55	25	0.608	0.596	-0.012
55	26	0.608	0.598	-0.010
55	27	0.610	0.596	-0.014
55	28	0.610	0.598	-0.012
55	29	0.606	0.594	-0.012
55	30	0.608	0.594	-0.014
55	31	0.610	0.598	-0.012
55	32	0.612	0.598	-0.014
55	33	0.604	0.600	-0.004
55	34	0.608	0.592	-0.016
55	35	0.610	0.596	-0.014
55	36	0.608	0.600	-0.008
55	37	0.612	0.598	-0.014
55	38	0.610	0.600	-0.010
55	39	0.606	0.598	-0.008
55	40	0.606	0.592	-0.014
55	41	0.608	0.592	-0.016
55	42	0.610	0.596	-0.014
50	43	0.608	0.608	0.000
50	44	0.604	0.608	0.004
50	45	0.610	0.608	-0.002
50	46	0.608	0.608	0.000
50	47	0.610	0.610	0.000
Max		0.612	0.612	0.004
Average		0.608	0.601	-0.007
Min		0.604	0.592	-0.016
Std Dev		0.002	0.006	0.006



6.14_V_EN_RISE_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.63 V
Min Limit	0.57 V

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	0.608	0.606	0.600	0.604	0.596	0.608	0.592
Average	0.608	0.608	0.602	0.608	0.600	0.608	0.596
Max	0.608	0.610	0.602	0.612	0.604	0.610	0.600
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630

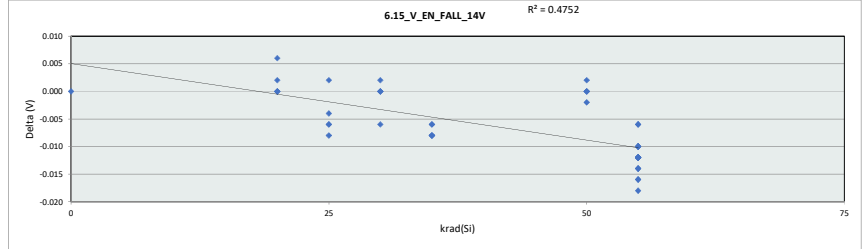


**HDR TID Report
TPS7H5007-SEP**

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

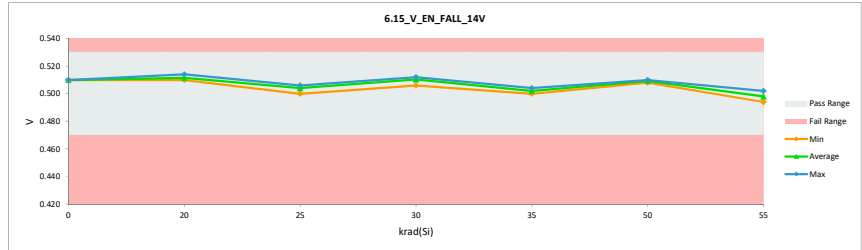
6.15_V_EN_FALL_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 0.53
Min Limit	0.47 0.47

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	0.510	0.510	0.000	0.000
25	1	0.504	0.506	0.002	-0.002
25	2	0.508	0.500	0.006	-0.008
25	3	0.510	0.504	0.006	-0.006
25	4	0.510	0.506	0.004	-0.004
25	5	0.510	0.504	0.006	-0.006
20	6	0.510	0.510	0.000	0.000
20	7	0.510	0.512	0.002	0.002
20	8	0.508	0.514	0.006	0.006
20	9	0.510	0.510	0.000	0.000
20	10	0.512	0.512	0.000	0.000
35	11	0.512	0.504	0.008	-0.008
35	12	0.512	0.504	0.008	-0.008
35	13	0.508	0.502	0.006	-0.006
35	14	0.508	0.500	0.008	-0.008
35	15	0.506	0.500	0.006	-0.006
30	16	0.512	0.506	0.006	-0.006
30	17	0.512	0.512	0.000	0.000
30	18	0.512	0.512	0.000	0.000
30	19	0.510	0.512	0.002	0.002
30	20	0.510	0.510	0.000	0.000
55	21	0.510	0.500	0.100	-0.100
55	22	0.508	0.496	0.112	-0.112
55	23	0.508	0.494	0.114	-0.114
55	24	0.510	0.496	0.114	-0.114
55	25	0.510	0.498	0.112	-0.112
55	26	0.508	0.502	0.006	-0.006
55	27	0.510	0.498	0.112	-0.112
55	28	0.512	0.496	0.116	-0.116
55	29	0.510	0.498	0.112	-0.112
55	30	0.510	0.496	0.114	-0.114
55	31	0.512	0.502	0.110	-0.110
55	32	0.512	0.500	0.112	-0.112
55	33	0.506	0.500	0.006	-0.006
55	34	0.510	0.494	0.116	-0.116
55	35	0.510	0.498	0.112	-0.112
55	36	0.510	0.500	0.110	-0.110
55	37	0.512	0.500	0.112	-0.112
55	38	0.510	0.500	0.110	-0.110
55	39	0.510	0.498	0.112	-0.112
55	40	0.508	0.496	0.112	-0.112
55	41	0.512	0.494	0.118	-0.118
55	42	0.510	0.500	0.110	-0.110
50	43	0.508	0.510	0.002	0.002
50	44	0.508	0.508	0.000	0.000
50	45	0.510	0.508	0.002	-0.002
50	46	0.510	0.510	0.000	0.000
50	47	0.510	0.510	0.000	0.000
Max		0.512	0.514		0.006
Average		0.510	0.503		-0.007
Min		0.504	0.494		-0.018
Std Dev		0.002	0.006		0.006



6.15_V_EN_FALL_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 V
Min Limit	0.47 V

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	0.510	0.510	0.500	0.506	0.500	0.508	0.490
Average	0.510	0.512	0.504	0.510	0.502	0.509	0.498
Max	0.510	0.514	0.506	0.512	0.504	0.510	0.502
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

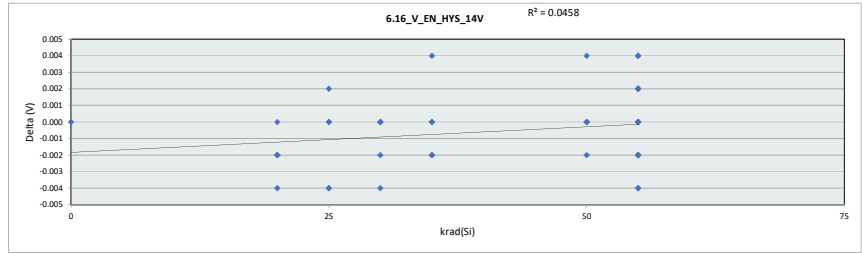


**HDR TID Report
TPS7H5007-SEP**

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

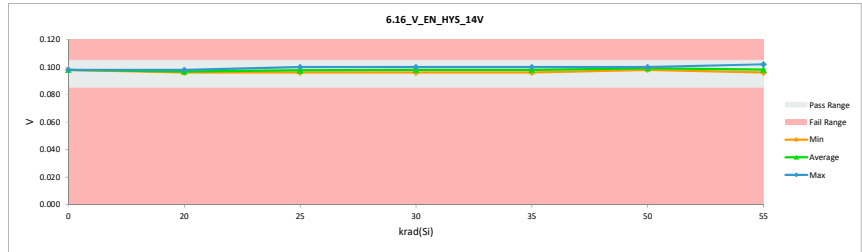
6.16_V_EN_HYS_14V		
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.105	0.105
Min Limit	0.085	0.085

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	0.098	0.098	0.000
25	1	0.100	0.096	-0.004
25	2	0.098	0.100	0.002
25	3	0.098	0.098	0.000
25	4	0.100	0.096	-0.004
25	5	0.098	0.098	0.000
20	6	0.098	0.098	0.000
20	7	0.100	0.098	-0.002
20	8	0.100	0.096	-0.004
20	9	0.098	0.096	-0.002
20	10	0.098	0.096	-0.002
35	11	0.096	0.100	0.004
35	12	0.098	0.096	-0.002
35	13	0.100	0.100	0.000
35	14	0.098	0.098	0.000
35	15	0.098	0.096	-0.002
30	16	0.100	0.098	-0.002
30	17	0.100	0.100	0.000
30	18	0.096	0.096	0.000
30	19	0.100	0.096	-0.004
30	20	0.100	0.100	0.000
55	21	0.098	0.098	0.000
55	22	0.100	0.098	-0.002
55	23	0.100	0.100	0.000
55	24	0.096	0.098	0.002
55	25	0.098	0.098	0.000
55	26	0.100	0.096	-0.004
55	27	0.100	0.098	-0.002
55	28	0.098	0.102	0.004
55	29	0.096	0.096	0.000
55	30	0.098	0.098	0.000
55	31	0.098	0.096	-0.002
55	32	0.100	0.098	-0.002
55	33	0.098	0.100	0.002
55	34	0.098	0.098	0.000
55	35	0.100	0.098	-0.002
55	36	0.098	0.100	0.002
55	37	0.100	0.098	-0.002
55	38	0.100	0.100	0.000
55	39	0.096	0.100	0.004
55	40	0.098	0.096	-0.002
55	41	0.096	0.098	0.002
55	42	0.100	0.096	-0.004
50	43	0.100	0.098	-0.002
50	44	0.096	0.100	0.004
50	45	0.100	0.100	0.000
50	46	0.098	0.098	0.000
50	47	0.100	0.100	0.000
Max		0.100	0.102	0.004
Average		0.099	0.098	-0.001
Min		0.096	0.096	-0.004
Std Dev		0.001	0.002	0.002



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

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	0.098	0.096	0.096	0.096	0.096	0.098	0.096
Average	0.098	0.097	0.098	0.098	0.098	0.099	0.098
Max	0.098	0.098	0.100	0.100	0.100	0.100	0.102
UL	0.105	0.105	0.105	0.105	0.105	0.105	0.105

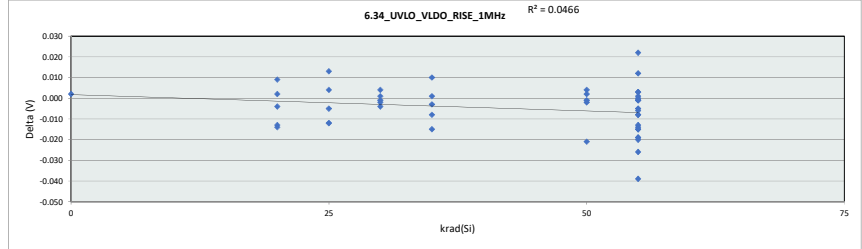


**HDR TID Report
TPS7H5007-SEP**

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

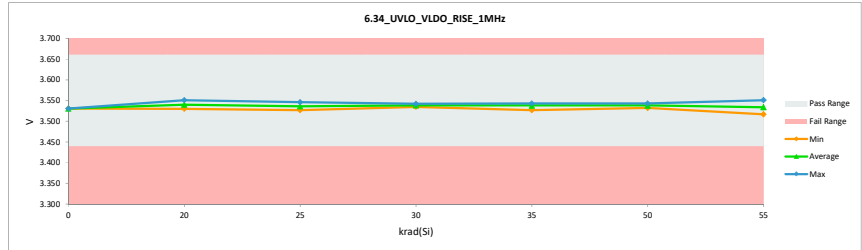
6.34_UVLO_VLDO_RISE_1MHz	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	3.66 3.66
Min Limit	3.44 3.44

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	3.529	3.531		0.002
25	1	3.551	3.546		-0.005
25	2	3.533	3.546		0.013
25	3	3.541	3.529		-0.012
25	4	3.539	3.527		-0.012
25	5	3.529	3.533		0.004
20	6	3.543	3.530		-0.013
20	7	3.538	3.540		0.002
20	8	3.554	3.540		-0.014
20	9	3.542	3.551		0.009
20	10	3.545	3.541		-0.004
35	11	3.545	3.542		-0.003
35	12	3.538	3.539		0.001
35	13	3.547	3.539		-0.008
35	14	3.533	3.543		0.010
35	15	3.542	3.527		-0.015
30	16	3.541	3.540		-0.001
30	17	3.543	3.539		-0.004
30	18	3.541	3.542		0.001
30	19	3.537	3.535		-0.002
30	20	3.532	3.536		0.004
55	21	3.530	3.522		-0.008
55	22	3.545	3.526		-0.019
55	23	3.551	3.537		-0.014
55	24	3.544	3.539		-0.005
55	25	3.538	3.541		0.003
55	26	3.547	3.532		-0.015
55	27	3.535	3.535		0.000
55	28	3.541	3.528		-0.013
55	29	3.534	3.537		0.003
55	30	3.546	3.531		-0.015
55	31	3.548	3.542		-0.006
55	32	3.561	3.542		-0.019
55	33	3.529	3.551		0.022
55	34	3.543	3.517		-0.026
55	35	3.539	3.538		-0.001
55	36	3.531	3.530		-0.001
55	37	3.563	3.524		-0.039
55	38	3.539	3.551		0.012
55	39	3.528	3.527		-0.001
55	40	3.549	3.529		-0.020
55	41	3.539	3.540		0.001
55	42	3.541	3.533		-0.008
50	43	3.534	3.538		0.004
50	44	3.553	3.532		-0.021
50	45	3.544	3.543		-0.001
50	46	3.533	3.535		0.002
50	47	3.544	3.542		-0.002
Max		3.563	3.551		0.022
Average		3.541	3.536		-0.005
Min		3.528	3.517		-0.039
Std Dev		0.008	0.008		0.011



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

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	3.531	3.530	3.527	3.535	3.527	3.532	3.517
Average	3.531	3.540	3.536	3.538	3.538	3.538	3.534
Max	3.531	3.551	3.546	3.542	3.543	3.543	3.551
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660

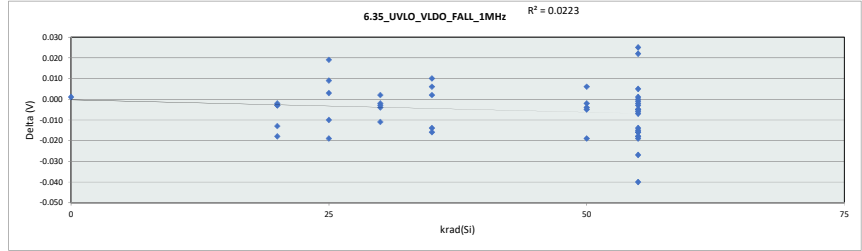


**HDR TID Report
TPS7H5007-SEP**

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

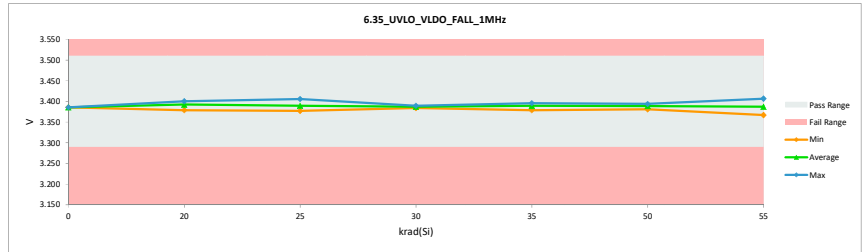
6.35_UVLO_VLDO_FALL_1MHz	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	3.51 3.51
Min Limit	3.29 3.29

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	3.385	3.386	0.001
25	1	3.403	3.406	0.003
25	2	3.380	3.399	0.019
25	3	3.388	3.378	-0.010
25	4	3.396	3.377	-0.019
25	5	3.380	3.389	0.009
20	6	3.397	3.379	-0.018
20	7	3.395	3.392	-0.003
20	8	3.405	3.392	-0.013
20	9	3.401	3.396	-0.005
20	10	3.403	3.401	-0.002
35	11	3.394	3.396	0.002
35	12	3.385	3.391	0.006
35	13	3.403	3.387	-0.016
35	14	3.385	3.395	0.010
35	15	3.393	3.379	-0.014
30	16	3.389	3.387	-0.002
30	17	3.392	3.389	-0.003
30	18	3.394	3.390	-0.004
30	19	3.384	3.386	0.002
30	20	3.395	3.384	-0.011
55	21	3.396	3.382	-0.014
55	22	3.407	3.392	-0.015
55	23	3.399	3.396	-0.003
55	24	3.396	3.389	-0.007
55	25	3.391	3.390	-0.001
55	26	3.398	3.380	-0.018
55	27	3.385	3.383	-0.002
55	28	3.396	3.378	-0.018
55	29	3.390	3.391	0.001
55	30	3.401	3.385	-0.016
55	31	3.401	3.396	-0.005
55	32	3.410	3.391	-0.019
55	33	3.377	3.402	0.025
55	34	3.394	3.367	-0.027
55	35	3.395	3.390	-0.005
55	36	3.383	3.388	0.005
55	37	3.412	3.372	-0.040
55	38	3.385	3.407	0.022
55	39	3.381	3.375	-0.006
55	40	3.396	3.391	-0.005
55	41	3.391	3.391	0.000
55	42	3.397	3.381	-0.016
50	43	3.388	3.394	0.006
50	44	3.400	3.381	-0.019
50	45	3.398	3.394	-0.004
50	46	3.386	3.384	-0.002
50	47	3.398	3.393	-0.005
Max		3.412	3.407	0.025
Average		3.394	3.388	-0.005
Min		3.377	3.367	-0.040
Std Dev		0.008	0.008	0.012



6.35_UVLO_VLDO_FALL_1MHz	
Test Site	
Tester	
Test Number	
Unit	V V
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	3.386	3.379	3.377	3.384	3.379	3.381	3.367
Average	3.386	3.392	3.390	3.387	3.390	3.389	3.387
Max	3.386	3.401	3.406	3.390	3.396	3.394	3.407
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510

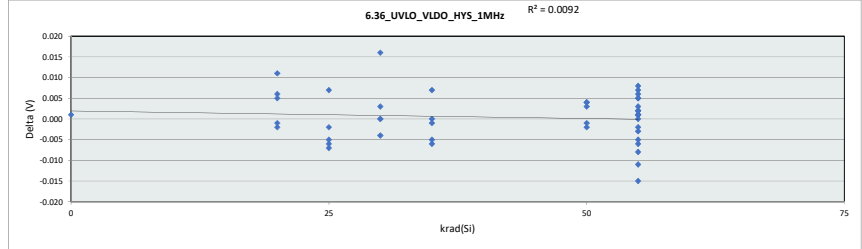


**HDR TID Report
TPS7H5007-SEP**

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

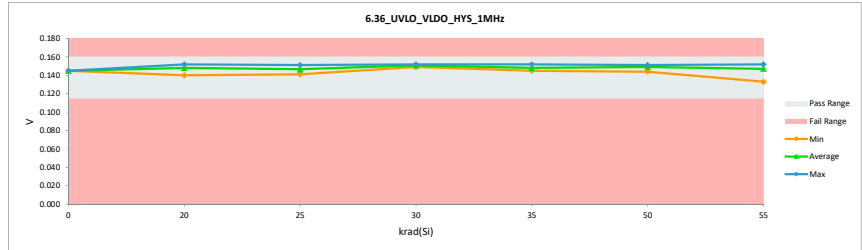
6.36_UVLO_VLDO_HYS_1MHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.16
Min Limit	0.115

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	0.144	0.145	0.001
25	1	0.148	0.141	-0.007
25	2	0.153	0.147	-0.006
25	3	0.153	0.151	-0.002
25	4	0.143	0.150	0.007
25	5	0.149	0.144	-0.005
20	6	0.146	0.152	0.006
20	7	0.143	0.148	0.005
20	8	0.149	0.148	-0.001
20	9	0.141	0.152	0.011
20	10	0.142	0.140	-0.002
35	11	0.150	0.145	-0.005
35	12	0.153	0.147	-0.006
35	13	0.145	0.152	0.007
35	14	0.148	0.148	0.000
35	15	0.149	0.148	-0.001
30	16	0.152	0.152	0.000
30	17	0.151	0.151	0.000
30	18	0.148	0.151	0.003
30	19	0.153	0.149	-0.004
30	20	0.136	0.152	0.016
55	21	0.134	0.140	0.006
55	22	0.138	0.133	-0.005
55	23	0.152	0.141	-0.011
55	24	0.148	0.150	0.002
55	25	0.147	0.152	0.005
55	26	0.149	0.151	0.002
55	27	0.150	0.151	0.001
55	28	0.144	0.151	0.007
55	29	0.145	0.146	0.001
55	30	0.145	0.147	0.002
55	31	0.147	0.145	-0.002
55	32	0.151	0.151	0.000
55	33	0.152	0.149	-0.003
55	34	0.149	0.150	0.001
55	35	0.144	0.147	0.003
55	36	0.148	0.142	-0.006
55	37	0.151	0.152	0.001
55	38	0.153	0.145	-0.008
55	39	0.147	0.152	0.005
55	40	0.153	0.138	-0.015
55	41	0.148	0.149	0.001
55	42	0.144	0.152	0.008
50	43	0.146	0.144	-0.002
50	44	0.152	0.151	-0.001
50	45	0.146	0.150	0.004
50	46	0.147	0.151	0.004
50	47	0.146	0.149	0.003
Max		0.153	0.152	0.016
Average		0.147	0.148	0.000
Min		0.134	0.133	-0.015
Std Dev		0.004	0.004	0.006



6.36_UVLO_VLDO_HYS_1MHz	
Test Site	
Tester	
Test Number	
Unit	V
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	0.145	0.140	0.141	0.149	0.145	0.144	0.133
Average	0.145	0.148	0.147	0.151	0.148	0.149	0.147
Max	0.145	0.152	0.151	0.152	0.152	0.151	0.152
UL	0.160	0.160	0.160	0.160	0.160	0.160	0.160

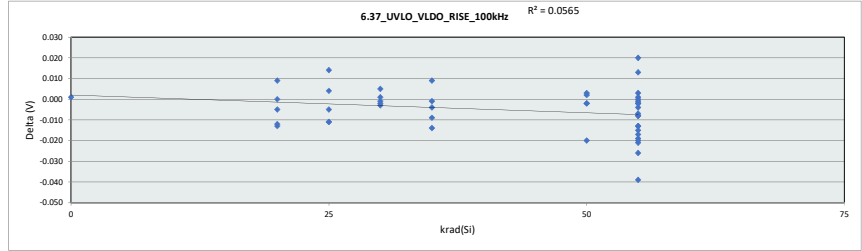


**HDR TID Report
TPS7H5007-SEP**

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 V
Max Limit	3.66 3.66
Min Limit	3.44 3.44

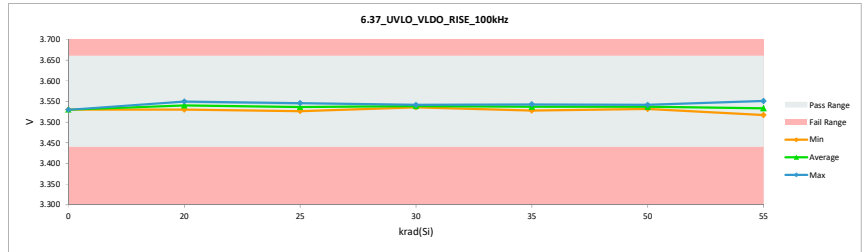
krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	3.529	3.530	0.001
25	1	3.551	3.546	-0.005
25	2	3.532	3.546	0.014
25	3	3.540	3.529	-0.011
25	4	3.538	3.527	-0.011
25	5	3.529	3.533	0.004
20	6	3.542	3.530	-0.012
20	7	3.539	3.539	0.000
20	8	3.554	3.541	-0.013
20	9	3.541	3.550	0.009
20	10	3.546	3.541	-0.005
35	11	3.545	3.541	-0.004
35	12	3.539	3.538	-0.001
35	13	3.546	3.537	-0.009
35	14	3.534	3.543	0.009
35	15	3.542	3.528	-0.014
30	16	3.541	3.539	-0.002
30	17	3.543	3.540	-0.003
30	18	3.541	3.542	0.001
30	19	3.537	3.536	-0.001
30	20	3.532	3.537	0.005
55	21	3.529	3.522	-0.007
55	22	3.546	3.525	-0.021
55	23	3.550	3.537	-0.013
55	24	3.544	3.540	-0.004
55	25	3.538	3.537	-0.001
55	26	3.548	3.531	-0.017
55	27	3.535	3.535	0.000
55	28	3.541	3.528	-0.013
55	29	3.534	3.537	0.003
55	30	3.546	3.531	-0.015
55	31	3.549	3.541	-0.008
55	32	3.561	3.542	-0.019
55	33	3.529	3.549	0.020
55	34	3.543	3.517	-0.026
55	35	3.539	3.537	-0.002
55	36	3.531	3.529	-0.002
55	37	3.562	3.523	-0.039
55	38	3.538	3.551	0.013
55	39	3.528	3.526	-0.002
55	40	3.548	3.528	-0.020
55	41	3.539	3.540	0.001
55	42	3.542	3.534	-0.008
50	43	3.533	3.536	0.003
50	44	3.552	3.532	-0.020
50	45	3.544	3.542	-0.002
50	46	3.532	3.534	0.002
50	47	3.544	3.542	-0.002
Max		3.562	3.551	0.020
Average		3.541	3.536	-0.005
Min		3.528	3.517	-0.039
Std Dev		0.008	0.007	0.011



6.37_UVLO_VLDO_RISE_100kHz

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

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	3.530	3.530	3.527	3.536	3.528	3.532	3.517
Average	3.530	3.540	3.536	3.539	3.537	3.537	3.534
Max	3.530	3.550	3.546	3.542	3.543	3.542	3.551
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660

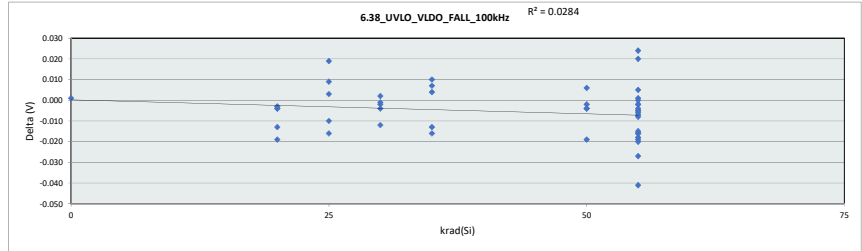


**HDR TID Report
TPS7H5007-SEP**

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

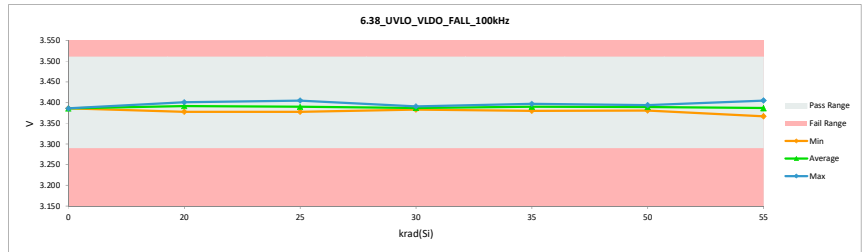
6.38_UVLO_VLDO_FALL_100kHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	3.51
Min Limit	3.29

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	3.385	3.386	0.001
25	1	3.402	3.405	0.003
25	2	3.380	3.399	0.019
25	3	3.388	3.378	-0.010
25	4	3.395	3.379	-0.016
25	5	3.381	3.390	0.009
20	6	3.397	3.378	-0.019
20	7	3.395	3.391	-0.004
20	8	3.404	3.391	-0.013
20	9	3.401	3.397	-0.004
20	10	3.404	3.401	-0.003
35	11	3.393	3.397	0.004
35	12	3.385	3.392	0.007
35	13	3.403	3.387	-0.016
35	14	3.385	3.395	0.010
35	15	3.393	3.380	-0.013
30	16	3.388	3.387	-0.001
30	17	3.392	3.388	-0.004
30	18	3.393	3.391	-0.002
30	19	3.385	3.387	0.002
30	20	3.395	3.383	-0.012
55	21	3.397	3.381	-0.016
55	22	3.407	3.392	-0.015
55	23	3.399	3.395	-0.004
55	24	3.396	3.388	-0.008
55	25	3.391	3.389	-0.002
55	26	3.399	3.381	-0.018
55	27	3.385	3.383	-0.002
55	28	3.396	3.377	-0.019
55	29	3.389	3.390	0.001
55	30	3.401	3.385	-0.016
55	31	3.402	3.396	-0.006
55	32	3.410	3.390	-0.020
55	33	3.377	3.401	0.024
55	34	3.394	3.367	-0.027
55	35	3.395	3.390	-0.005
55	36	3.383	3.388	0.005
55	37	3.412	3.371	-0.041
55	38	3.385	3.405	0.020
55	39	3.381	3.374	-0.007
55	40	3.396	3.391	-0.005
55	41	3.390	3.390	0.000
55	42	3.397	3.381	-0.016
50	43	3.388	3.394	0.006
50	44	3.400	3.381	-0.019
50	45	3.398	3.394	-0.004
50	46	3.386	3.384	-0.002
50	47	3.398	3.394	-0.004
Max		3.412	3.405	0.024
Average		3.394	3.388	-0.005
Min		3.377	3.367	-0.041
Std Dev		0.008	0.008	0.012



6.38_UVLO_VLDO_FALL_100kHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	3.51
Min Limit	3.29

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	3.386	3.378	3.378	3.383	3.380	3.381	3.367
Average	3.386	3.392	3.390	3.387	3.390	3.389	3.387
Max	3.386	3.401	3.405	3.391	3.397	3.394	3.405
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510

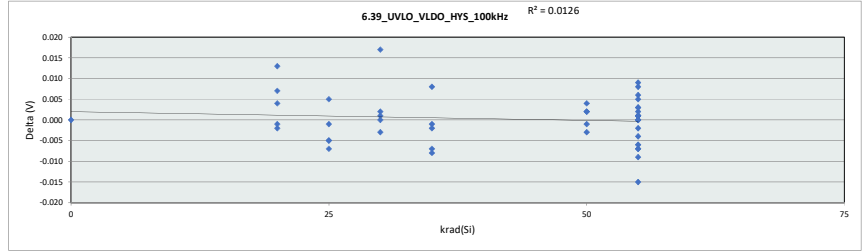


**HDR TID Report
TPS7H5007-SEP**

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

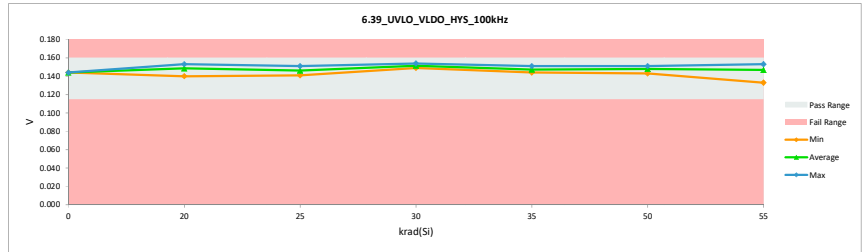
6.39_UVLO_VLDO_HYS_100kHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.16
Min Limit	0.115

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.144	0.144	0.000
25	1	0.148	0.141	-0.007
25	2	0.152	0.147	-0.005
25	3	0.152	0.151	-0.001
25	4	0.143	0.148	0.005
25	5	0.149	0.144	-0.005
20	6	0.145	0.152	0.007
20	7	0.144	0.148	0.004
20	8	0.151	0.150	-0.001
20	9	0.140	0.153	0.013
20	10	0.142	0.140	-0.002
35	11	0.152	0.144	-0.008
35	12	0.153	0.146	-0.007
35	13	0.143	0.151	0.008
35	14	0.149	0.148	-0.001
35	15	0.150	0.148	-0.002
30	16	0.152	0.152	0.000
30	17	0.151	0.152	0.001
30	18	0.149	0.151	0.002
30	19	0.152	0.149	-0.003
30	20	0.137	0.154	0.017
55	21	0.132	0.141	0.009
55	22	0.139	0.133	-0.006
55	23	0.151	0.142	-0.009
55	24	0.148	0.151	0.003
55	25	0.147	0.148	0.001
55	26	0.149	0.150	0.001
55	27	0.150	0.151	0.001
55	28	0.145	0.151	0.006
55	29	0.145	0.146	0.001
55	30	0.145	0.146	0.001
55	31	0.147	0.145	-0.002
55	32	0.151	0.151	0.000
55	33	0.152	0.148	-0.004
55	34	0.150	0.150	0.000
55	35	0.144	0.147	0.003
55	36	0.148	0.141	-0.007
55	37	0.150	0.152	0.002
55	38	0.153	0.146	-0.007
55	39	0.147	0.152	0.005
55	40	0.152	0.137	-0.015
55	41	0.149	0.149	0.000
55	42	0.145	0.153	0.008
50	43	0.146	0.143	-0.003
50	44	0.152	0.151	-0.001
50	45	0.146	0.148	0.002
50	46	0.146	0.150	0.004
50	47	0.146	0.148	0.002
Max		0.153	0.154	0.017
Average		0.147	0.148	0.000
Min		0.132	0.133	-0.015
Std Dev		0.004	0.004	0.006



6.39_UVLO_VLDO_HYS_100kHz	
Test Site	
Tester	
Test Number	
Unit	V
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	0.144	0.140	0.141	0.149	0.144	0.143	0.133
Average	0.144	0.149	0.146	0.152	0.147	0.148	0.147
Max	0.144	0.153	0.151	0.154	0.151	0.151	0.153
UL	0.160	0.160	0.160	0.160	0.160	0.160	0.160

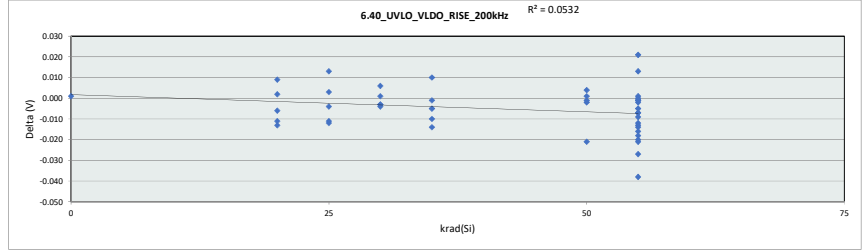


**HDR TID Report
TPS7H5007-SEP**

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

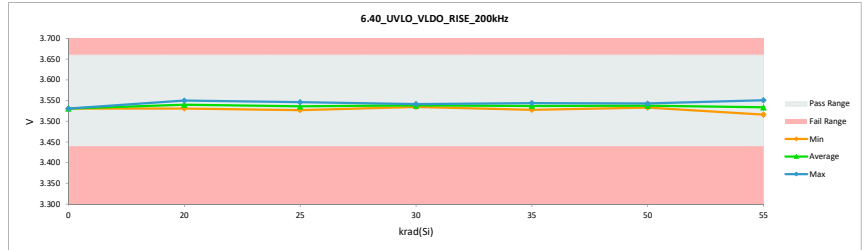
6.40_UVLO_VLDO_RISE_200kHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	3.66
Min Limit	3.44

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	3.530	3.531	0.001
25	1	3.550	3.546	-0.004
25	2	3.533	3.546	0.013
25	3	3.540	3.528	-0.012
25	4	3.538	3.527	-0.011
25	5	3.530	3.533	0.003
20	6	3.542	3.531	-0.011
20	7	3.538	3.540	0.002
20	8	3.554	3.541	-0.013
20	9	3.541	3.550	0.009
20	10	3.546	3.540	-0.006
35	11	3.545	3.540	-0.005
35	12	3.539	3.538	-0.001
35	13	3.547	3.537	-0.010
35	14	3.534	3.544	0.010
35	15	3.542	3.528	-0.014
30	16	3.541	3.538	-0.003
30	17	3.544	3.540	-0.004
30	18	3.541	3.542	0.001
30	19	3.538	3.535	-0.003
30	20	3.531	3.537	0.006
55	21	3.529	3.522	-0.007
55	22	3.546	3.525	-0.021
55	23	3.549	3.537	-0.012
55	24	3.544	3.539	-0.005
55	25	3.538	3.537	-0.001
55	26	3.547	3.531	-0.016
55	27	3.535	3.534	-0.001
55	28	3.541	3.528	-0.013
55	29	3.535	3.536	0.001
55	30	3.545	3.531	-0.014
55	31	3.548	3.541	-0.007
55	32	3.562	3.542	-0.020
55	33	3.529	3.550	0.021
55	34	3.543	3.516	-0.027
55	35	3.539	3.538	-0.001
55	36	3.531	3.530	-0.001
55	37	3.562	3.524	-0.038
55	38	3.538	3.551	0.013
55	39	3.528	3.526	-0.002
55	40	3.548	3.530	-0.018
55	41	3.539	3.539	0.000
55	42	3.542	3.533	-0.009
50	43	3.533	3.537	0.004
50	44	3.554	3.533	-0.021
50	45	3.544	3.543	-0.001
50	46	3.533	3.534	0.001
50	47	3.544	3.542	-0.002
Max		3.562	3.551	0.021
Average		3.541	3.536	-0.005
Min		3.528	3.516	-0.038
Std Dev		0.008	0.007	0.011



6.40_UVLO_VLDO_RISE_200kHz	
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	3.531	3.531	3.527	3.535	3.528	3.533	3.516
Average	3.531	3.540	3.536	3.538	3.537	3.538	3.534
Max	3.531	3.550	3.546	3.542	3.544	3.543	3.551
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660

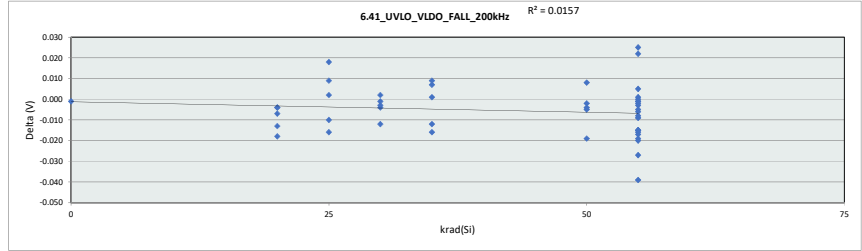


**HDR TID Report
TPS7H5007-SEP**

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

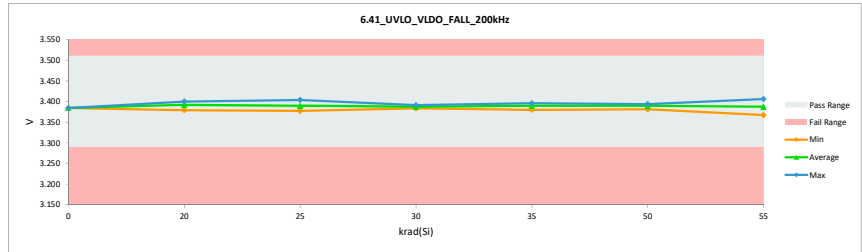
6.41_UVLO_VLDO_FALL_200kHz	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	3.51 3.51
Min Limit	3.29 3.29

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	3.385	3.384	-0.001
25	1	3.402	3.404	0.002
25	2	3.381	3.399	0.018
25	3	3.387	3.377	-0.010
25	4	3.395	3.379	-0.016
25	5	3.380	3.389	0.009
20	6	3.397	3.379	-0.018
20	7	3.395	3.391	-0.004
20	8	3.405	3.392	-0.013
20	9	3.405	3.398	-0.007
20	10	3.404	3.400	-0.004
35	11	3.395	3.396	0.001
35	12	3.385	3.392	0.007
35	13	3.402	3.386	-0.016
35	14	3.385	3.394	0.009
35	15	3.392	3.380	-0.012
30	16	3.388	3.387	-0.001
30	17	3.392	3.388	-0.004
30	18	3.394	3.391	-0.003
30	19	3.384	3.386	0.002
30	20	3.395	3.383	-0.012
55	21	3.397	3.381	-0.016
55	22	3.407	3.392	-0.015
55	23	3.397	3.396	-0.001
55	24	3.397	3.388	-0.009
55	25	3.391	3.390	-0.001
55	26	3.399	3.380	-0.019
55	27	3.385	3.383	-0.002
55	28	3.395	3.378	-0.017
55	29	3.390	3.391	0.001
55	30	3.400	3.385	-0.015
55	31	3.402	3.396	-0.006
55	32	3.410	3.390	-0.020
55	33	3.377	3.402	0.025
55	34	3.394	3.367	-0.027
55	35	3.394	3.391	-0.003
55	36	3.383	3.388	0.005
55	37	3.411	3.372	-0.039
55	38	3.384	3.406	0.022
55	39	3.382	3.374	-0.008
55	40	3.396	3.391	-0.005
55	41	3.391	3.391	0.000
55	42	3.397	3.382	-0.015
50	43	3.386	3.394	0.008
50	44	3.400	3.381	-0.019
50	45	3.398	3.394	-0.004
50	46	3.386	3.384	-0.002
50	47	3.399	3.394	-0.005
	Max	3.411	3.406	0.025
	Average	3.394	3.388	-0.005
	Min	3.377	3.367	-0.039
	Std Dev	0.008	0.008	0.012



6.41_UVLO_VLDO_FALL_200kHz	
Test Site	
Tester	
Test Number	
Unit	V V
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	3.384	3.379	3.377	3.383	3.380	3.381	3.367
Average	3.384	3.392	3.390	3.387	3.390	3.389	3.387
Max	3.384	3.400	3.404	3.391	3.396	3.394	3.406
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510

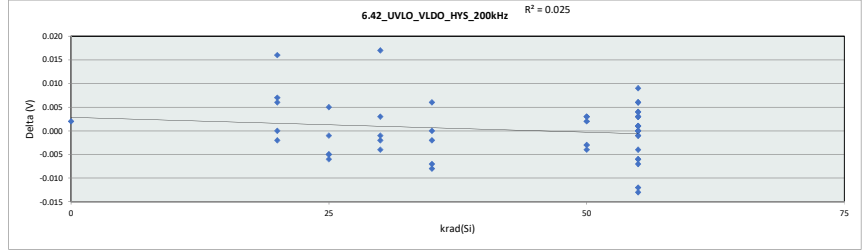


**HDR TID Report
TPS7H5007-SEP**

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

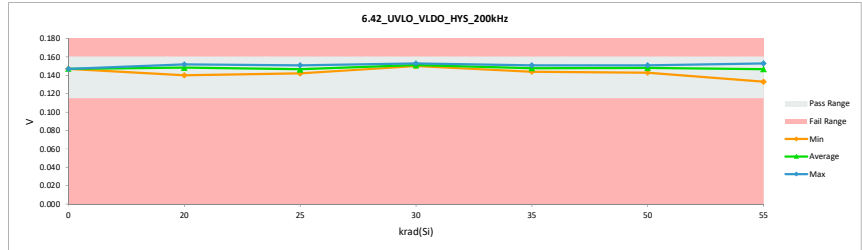
6.42_UVLO_VLDO_HYS_200kHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.16
Min Limit	0.115

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	0.145	0.147	0.002
25	1	0.148	0.142	-0.006
25	2	0.152	0.147	-0.005
25	3	0.152	0.151	-0.001
25	4	0.143	0.148	0.005
25	5	0.150	0.145	-0.005
20	6	0.145	0.152	0.007
20	7	0.143	0.149	0.006
20	8	0.149	0.159	0.000
20	9	0.136	0.152	0.016
20	10	0.142	0.140	-0.002
35	11	0.151	0.144	-0.007
35	12	0.154	0.146	-0.008
35	13	0.145	0.151	0.006
35	14	0.150	0.150	0.000
35	15	0.150	0.148	-0.002
30	16	0.153	0.151	-0.002
30	17	0.152	0.151	-0.001
30	18	0.148	0.151	0.003
30	19	0.154	0.150	-0.004
30	20	0.136	0.153	0.017
55	21	0.132	0.141	0.009
55	22	0.139	0.133	-0.006
55	23	0.152	0.140	-0.012
55	24	0.148	0.151	0.003
55	25	0.147	0.147	0.000
55	26	0.147	0.151	0.004
55	27	0.150	0.151	0.001
55	28	0.146	0.150	0.004
55	29	0.145	0.145	0.000
55	30	0.145	0.146	0.001
55	31	0.146	0.145	-0.001
55	32	0.152	0.152	0.000
55	33	0.152	0.148	-0.004
55	34	0.149	0.150	0.001
55	35	0.145	0.148	0.003
55	36	0.148	0.142	-0.006
55	37	0.150	0.153	0.003
55	38	0.153	0.146	-0.007
55	39	0.146	0.152	0.006
55	40	0.152	0.139	-0.013
55	41	0.149	0.148	-0.001
55	42	0.145	0.151	0.006
50	43	0.147	0.143	-0.004
50	44	0.154	0.151	-0.003
50	45	0.147	0.149	0.002
50	46	0.147	0.150	0.003
50	47	0.145	0.148	0.003
Max		0.154	0.153	0.017
Average		0.147	0.148	0.000
Min		0.132	0.133	-0.013
Std Dev		0.005	0.004	0.006



6.42_UVLO_VLDO_HYS_200kHz	
Test Site	
Tester	
Test Number	
Unit	V
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	0.147	0.140	0.142	0.150	0.144	0.143	0.133
Average	0.147	0.148	0.147	0.151	0.148	0.148	0.147
Max	0.147	0.152	0.151	0.153	0.151	0.151	0.153
UL	0.160	0.160	0.160	0.160	0.160	0.160	0.160

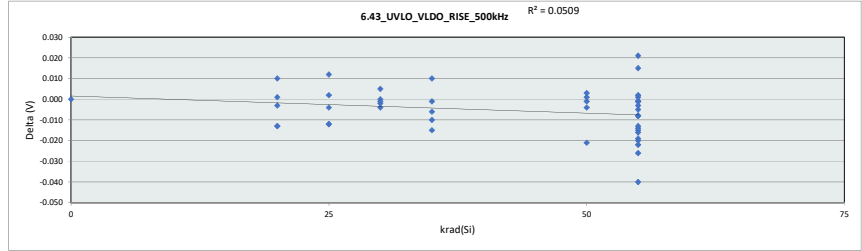


**HDR TID Report
TPS7H5007-SEP**

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

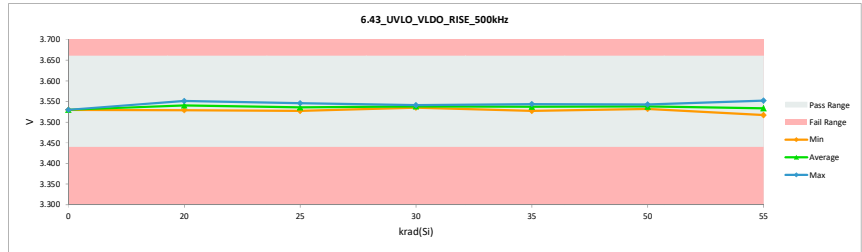
6.43_UVLO_VLDO_RISE_500kHz	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	3.66 3.66
Min Limit	3.44 3.44

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	3.530	3.530	0.000
25	1	3.550	3.546	-0.004
25	2	3.533	3.545	0.012
25	3	3.541	3.529	-0.012
25	4	3.539	3.527	-0.012
25	5	3.530	3.532	0.002
20	6	3.542	3.529	-0.013
20	7	3.538	3.539	0.001
20	8	3.554	3.541	-0.013
20	9	3.541	3.551	0.010
20	10	3.545	3.542	-0.003
35	11	3.546	3.540	-0.006
35	12	3.539	3.538	-0.001
35	13	3.547	3.537	-0.010
35	14	3.534	3.544	0.010
35	15	3.542	3.527	-0.015
30	16	3.539	3.538	-0.001
30	17	3.543	3.539	-0.004
30	18	3.541	3.541	0.000
30	19	3.537	3.535	-0.002
30	20	3.532	3.537	0.005
55	21	3.530	3.522	-0.008
55	22	3.546	3.524	-0.022
55	23	3.550	3.536	-0.014
55	24	3.544	3.539	-0.005
55	25	3.537	3.536	-0.001
55	26	3.547	3.531	-0.016
55	27	3.535	3.534	-0.001
55	28	3.541	3.528	-0.013
55	29	3.534	3.536	0.002
55	30	3.546	3.531	-0.015
55	31	3.548	3.540	-0.008
55	32	3.562	3.542	-0.020
55	33	3.528	3.549	0.021
55	34	3.543	3.517	-0.026
55	35	3.539	3.538	-0.001
55	36	3.531	3.530	-0.001
55	37	3.563	3.523	-0.040
55	38	3.537	3.552	0.015
55	39	3.529	3.526	-0.003
55	40	3.548	3.529	-0.019
55	41	3.539	3.540	0.001
55	42	3.542	3.534	-0.008
50	43	3.534	3.537	0.003
50	44	3.553	3.532	-0.021
50	45	3.544	3.543	-0.001
50	46	3.534	3.535	0.001
50	47	3.545	3.541	-0.004
Max		3.563	3.552	0.021
Average		3.541	3.536	-0.005
Min		3.528	3.517	-0.040
Std Dev		0.008	0.008	0.011



6.43_UVLO_VLDO_RISE_500kHz	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	3.66 V
Min Limit	3.44 V

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	3.530	3.529	3.527	3.535	3.527	3.532	3.517
Average	3.530	3.540	3.536	3.538	3.537	3.538	3.534
Max	3.530	3.551	3.546	3.541	3.544	3.543	3.552
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660

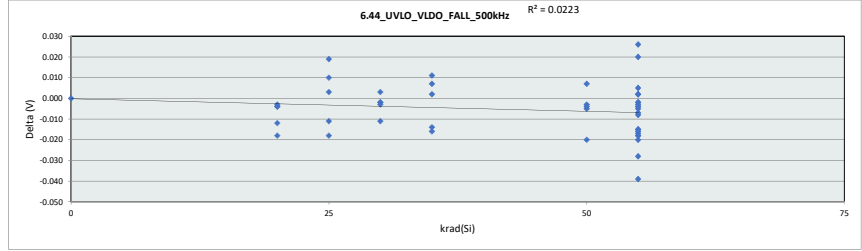


**HDR TID Report
TPS7H5007-SEP**

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

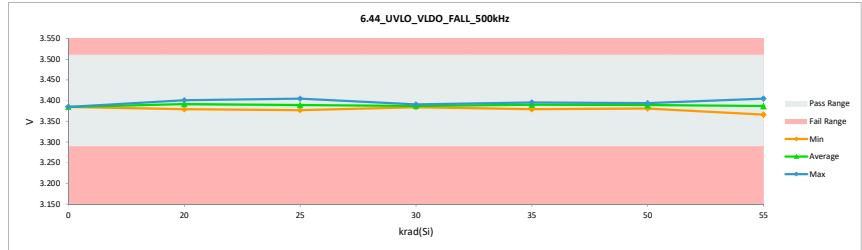
6.44_UVLO_VLDO_FALL_500kHz	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	3.51 3.51
Min Limit	3.29 3.29

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	3.385	3.385		0.000
25	1	3.402	3.405		0.003
25	2	3.380	3.399		0.019
25	3	3.388	3.377		-0.011
25	4	3.396	3.378		-0.018
25	5	3.380	3.390		0.010
20	6	3.397	3.379		-0.018
20	7	3.395	3.391		-0.004
20	8	3.404	3.392		-0.012
20	9	3.401	3.397		-0.004
20	10	3.404	3.401		-0.003
35	11	3.394	3.396		0.002
35	12	3.385	3.392		0.007
35	13	3.403	3.387		-0.016
35	14	3.385	3.396		0.011
35	15	3.393	3.379		-0.014
30	16	3.388	3.386		-0.002
30	17	3.392	3.389		-0.003
30	18	3.393	3.391		-0.002
30	19	3.383	3.386		0.003
30	20	3.395	3.384		-0.011
55	21	3.397	3.380		-0.017
55	22	3.407	3.392		-0.015
55	23	3.399	3.396		-0.003
55	24	3.396	3.388		-0.008
55	25	3.391	3.389		-0.002
55	26	3.399	3.381		-0.018
55	27	3.385	3.383		-0.002
55	28	3.396	3.376		-0.020
55	29	3.389	3.391		0.002
55	30	3.401	3.385		-0.016
55	31	3.402	3.397		-0.005
55	32	3.409	3.391		-0.018
55	33	3.376	3.402		0.026
55	34	3.394	3.366		-0.028
55	35	3.394	3.390		-0.004
55	36	3.383	3.388		0.005
55	37	3.411	3.372		-0.039
55	38	3.385	3.405		0.020
55	39	3.382	3.375		-0.007
55	40	3.396	3.392		-0.004
55	41	3.389	3.391		0.002
55	42	3.396	3.381		-0.015
50	43	3.387	3.394		0.007
50	44	3.401	3.381		-0.020
50	45	3.398	3.394		-0.004
50	46	3.386	3.383		-0.003
50	47	3.398	3.393		-0.005
Max		3.411	3.405		0.026
Average		3.394	3.388		-0.005
Min		3.376	3.366		-0.039
Std Dev		0.008	0.008		0.012



6.44_UVLO_VLDO_FALL_500kHz	
Test Site	
Tester	
Test Number	
Unit	V V
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	3.385	3.379	3.377	3.384	3.379	3.381	3.366
Average	3.385	3.392	3.390	3.387	3.390	3.389	3.387
Max	3.385	3.401	3.405	3.391	3.396	3.394	3.405
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510

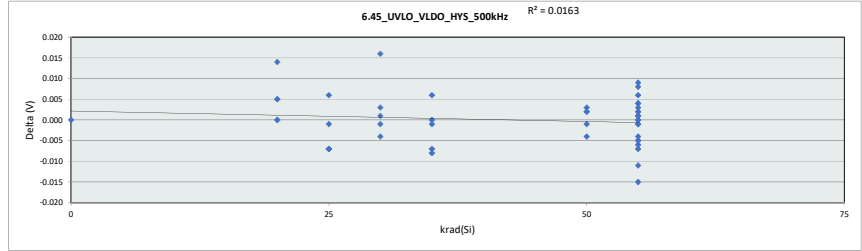


**HDR TID Report
TPS7H5007-SEP**

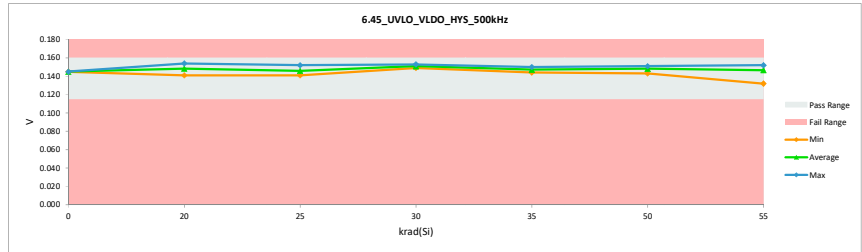
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

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 #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.145	0.145	0.000
25	1	0.148	0.141	-0.007
25	2	0.153	0.146	-0.007
25	3	0.153	0.152	-0.001
25	4	0.143	0.149	0.006
25	5	0.149	0.142	-0.007
20	6	0.145	0.150	0.005
20	7	0.143	0.148	0.005
20	8	0.149	0.149	0.000
20	9	0.140	0.154	0.014
20	10	0.141	0.141	0.000
35	11	0.152	0.144	-0.008
35	12	0.153	0.146	-0.007
35	13	0.144	0.150	0.006
35	14	0.148	0.148	0.000
35	15	0.149	0.148	-0.001
30	16	0.151	0.152	0.001
30	17	0.151	0.150	-0.001
30	18	0.148	0.151	0.003
30	19	0.153	0.149	-0.004
30	20	0.137	0.153	0.016
55	21	0.133	0.142	0.009
55	22	0.139	0.132	-0.007
55	23	0.151	0.140	-0.011
55	24	0.148	0.151	0.003
55	25	0.146	0.147	0.001
55	26	0.148	0.150	0.002
55	27	0.150	0.151	0.001
55	28	0.144	0.152	0.008
55	29	0.146	0.145	-0.001
55	30	0.145	0.146	0.001
55	31	0.147	0.143	-0.004
55	32	0.152	0.151	-0.001
55	33	0.152	0.147	-0.005
55	34	0.149	0.151	0.002
55	35	0.144	0.148	0.004
55	36	0.148	0.142	-0.006
55	37	0.151	0.151	0.000
55	38	0.152	0.147	-0.005
55	39	0.147	0.151	0.004
55	40	0.152	0.137	-0.015
55	41	0.150	0.150	0.000
55	42	0.146	0.152	0.006
50	43	0.147	0.143	-0.004
50	44	0.152	0.151	-0.001
50	45	0.146	0.148	0.002
50	46	0.148	0.151	0.003
50	47	0.146	0.148	0.002
Max		0.153	0.154	0.016
Average		0.147	0.147	0.000
Min		0.133	0.132	-0.015
Std Dev		0.004	0.005	0.006



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	0.145	0.141	0.141	0.149	0.144	0.143	0.132
Average	0.145	0.148	0.146	0.151	0.147	0.148	0.147
Max	0.145	0.154	0.152	0.153	0.150	0.151	0.152
UL	0.160	0.160	0.160	0.160	0.160	0.160	0.160

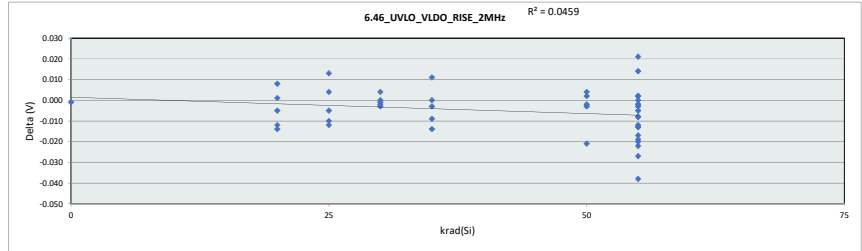


**HDR TID Report
TPS7H5007-SEP**

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

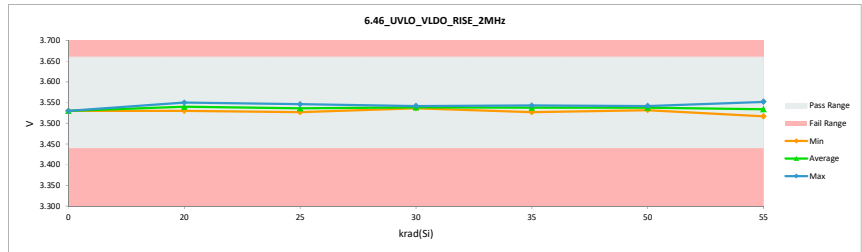
6.46_UVLO_VLDO_RISE_2MHz	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	3.66 3.66
Min Limit	3.44 3.44

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	3.531	3.530		-0.001
25	1	3.551	3.546		-0.005
25	2	3.533	3.546		0.013
25	3	3.540	3.530		-0.010
25	4	3.539	3.527		-0.012
25	5	3.528	3.532		0.004
20	6	3.542	3.530		-0.012
20	7	3.538	3.539		0.001
20	8	3.555	3.541		-0.014
20	9	3.542	3.550		0.008
20	10	3.546	3.541		-0.005
35	11	3.544	3.541		-0.003
35	12	3.538	3.538		0.000
35	13	3.547	3.538		-0.009
35	14	3.532	3.543		0.011
35	15	3.541	3.527		-0.014
30	16	3.541	3.539		-0.002
30	17	3.542	3.539		-0.003
30	18	3.542	3.542		0.000
30	19	3.537	3.536		-0.001
30	20	3.532	3.536		0.004
55	21	3.529	3.521		-0.008
55	22	3.546	3.524		-0.022
55	23	3.549	3.537		-0.012
55	24	3.544	3.539		-0.005
55	25	3.539	3.541		0.002
55	26	3.547	3.530		-0.017
55	27	3.535	3.535		0.000
55	28	3.541	3.528		-0.013
55	29	3.534	3.536		0.002
55	30	3.545	3.532		-0.013
55	31	3.549	3.541		-0.008
55	32	3.562	3.542		-0.020
55	33	3.529	3.550		0.021
55	34	3.544	3.517		-0.027
55	35	3.539	3.537		-0.002
55	36	3.531	3.529		-0.002
55	37	3.562	3.524		-0.038
55	38	3.538	3.552		0.014
55	39	3.529	3.526		-0.003
55	40	3.548	3.529		-0.019
55	41	3.538	3.540		0.002
55	42	3.541	3.533		-0.008
50	43	3.533	3.537		0.004
50	44	3.553	3.532		-0.021
50	45	3.545	3.542		-0.003
50	46	3.533	3.535		0.002
50	47	3.544	3.542		-0.002
	Max	3.562	3.552		0.021
	Average	3.541	3.536		-0.005
	Min	3.528	3.517		-0.038
	Std Dev	0.008	0.008		0.011



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

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	3.530	3.530	3.527	3.536	3.527	3.532	3.517
Average	3.530	3.540	3.536	3.538	3.537	3.538	3.534
Max	3.530	3.550	3.546	3.542	3.543	3.542	3.552
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660

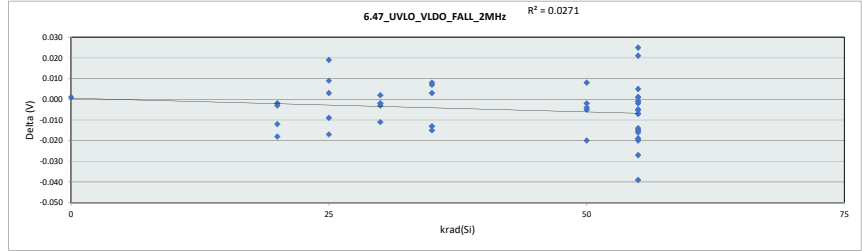


**HDR TID Report
TPS7H5007-SEP**

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

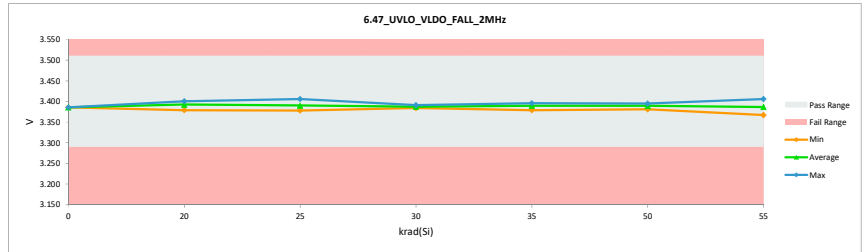
6.47_UVLO_VLDO_FALL_2MHz	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	3.51 3.51
Min Limit	3.29 3.29

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	3.385	3.386		0.001
25	1	3.403	3.406		0.003
25	2	3.380	3.399		0.019
25	3	3.387	3.378		-0.009
25	4	3.395	3.378		-0.017
25	5	3.380	3.389		0.009
20	6	3.397	3.379		-0.018
20	7	3.394	3.392		-0.002
20	8	3.404	3.392		-0.012
20	9	3.401	3.396		-0.003
20	10	3.403	3.401		-0.002
35	11	3.393	3.396		0.003
35	12	3.385	3.392		0.007
35	13	3.403	3.388		-0.015
35	14	3.386	3.394		0.008
35	15	3.392	3.379		-0.013
30	16	3.389	3.387		-0.002
30	17	3.392	3.389		-0.003
30	18	3.393	3.391		-0.002
30	19	3.383	3.385		0.002
30	20	3.395	3.384		-0.011
55	21	3.397	3.381		-0.016
55	22	3.407	3.392		-0.015
55	23	3.398	3.396		-0.002
55	24	3.395	3.388		-0.007
55	25	3.390	3.389		-0.001
55	26	3.399	3.380		-0.019
55	27	3.385	3.384		-0.001
55	28	3.397	3.377		-0.020
55	29	3.390	3.391		0.001
55	30	3.400	3.386		-0.014
55	31	3.402	3.397		-0.005
55	32	3.409	3.390		-0.019
55	33	3.377	3.402		0.025
55	34	3.394	3.367		-0.027
55	35	3.394	3.389		-0.005
55	36	3.382	3.387		0.005
55	37	3.412	3.373		-0.039
55	38	3.385	3.406		0.021
55	39	3.382	3.375		-0.007
55	40	3.396	3.391		-0.005
55	41	3.390	3.391		0.001
55	42	3.396	3.381		-0.015
50	43	3.387	3.395		0.008
50	44	3.401	3.381		-0.020
50	45	3.397	3.395		-0.002
50	46	3.387	3.383		-0.004
50	47	3.398	3.393		-0.005
	Max	3.412	3.406		0.025
	Average	3.393	3.388		-0.005
	Min	3.377	3.367		-0.039
	Std Dev	0.008	0.008		0.012



6.47_UVLO_VLDO_FALL_2MHz	
Test Site	
Tester	
Test Number	
Unit	V V
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	3.386	3.379	3.378	3.384	3.379	3.381	3.367
Average	3.386	3.392	3.390	3.387	3.390	3.389	3.387
Max	3.386	3.401	3.406	3.391	3.396	3.395	3.406
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510

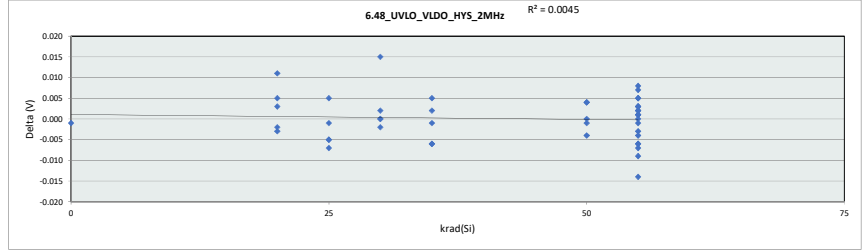


**HDR TID Report
TPS7H5007-SEP**

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

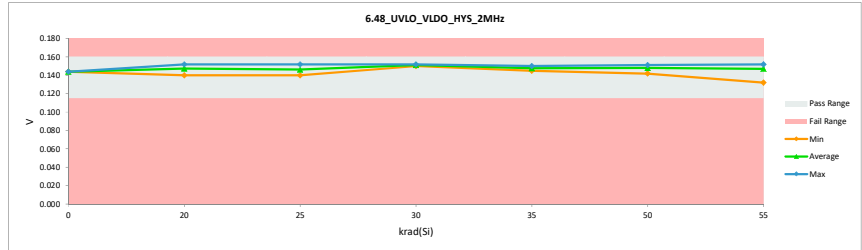
6.48_UVLO_VLDO_HYS_2MHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.16
Min Limit	0.115

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	0.145	0.144		-0.001
25	1	0.147	0.140		-0.007
25	2	0.152	0.147		-0.005
25	3	0.153	0.152		-0.001
25	4	0.144	0.149		0.005
25	5	0.148	0.143		-0.005
20	6	0.145	0.150		0.005
20	7	0.144	0.147		0.003
20	8	0.151	0.149		-0.002
20	9	0.141	0.152		0.011
20	10	0.143	0.140		-0.003
35	11	0.151	0.145		-0.006
35	12	0.153	0.147		-0.006
35	13	0.145	0.150		0.005
35	14	0.147	0.149		0.002
35	15	0.149	0.148		-0.001
30	16	0.152	0.152		0.000
30	17	0.150	0.150		0.000
30	18	0.149	0.151		0.002
30	19	0.153	0.151		-0.002
30	20	0.137	0.152		0.015
55	21	0.132	0.140		0.008
55	22	0.139	0.132		-0.007
55	23	0.151	0.142		-0.009
55	24	0.149	0.151		0.002
55	25	0.149	0.152		0.003
55	26	0.147	0.150		0.003
55	27	0.149	0.151		0.002
55	28	0.145	0.150		0.005
55	29	0.145	0.145		0.000
55	30	0.145	0.146		0.001
55	31	0.147	0.144		-0.003
55	32	0.153	0.152		-0.001
55	33	0.152	0.148		-0.004
55	34	0.149	0.150		0.001
55	35	0.145	0.148		0.003
55	36	0.148	0.142		-0.006
55	37	0.150	0.151		0.001
55	38	0.152	0.146		-0.006
55	39	0.147	0.152		0.005
55	40	0.152	0.138		-0.014
55	41	0.148	0.150		0.002
55	42	0.145	0.152		0.007
50	43	0.146	0.142		-0.004
50	44	0.152	0.151		-0.001
50	45	0.147	0.147		0.000
50	46	0.147	0.151		0.004
50	47	0.145	0.149		0.004
	Max	0.153	0.152		0.015
	Average	0.147	0.147		0.000
	Min	0.132	0.132		-0.014
	Std Dev	0.004	0.005		0.005



6.48_UVLO_VLDO_HYS_2MHz	
Test Site	
Tester	
Test Number	
Unit	V
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	0.144	0.140	0.140	0.150	0.145	0.142	0.132
Average	0.144	0.148	0.146	0.151	0.148	0.148	0.147
Max	0.144	0.152	0.152	0.152	0.150	0.151	0.152
UL	0.160	0.160	0.160	0.160	0.160	0.160	0.160

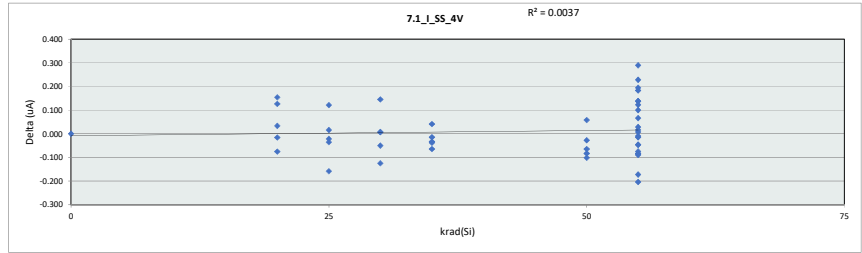


**HDR TID Report
TPS7H5007-SEP**

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

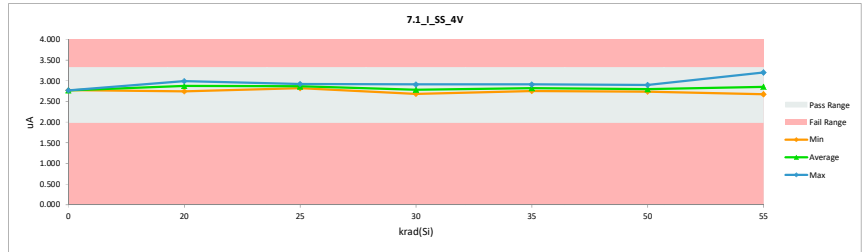
7.1_I_SS_4V	
Test Site	
Tester	
Test Number	
Unit	uA uA
Max Limit	3.32 3.32
Min Limit	1.98 1.98

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	2.772	2.772		0.000
25	1	2.852	2.867		0.015
25	2	2.869	2.847		-0.022
25	3	2.914	2.878		-0.036
25	4	2.804	2.925		0.121
25	5	2.979	2.820		-0.159
20	6	2.868	2.994		0.126
20	7	2.929	2.913		-0.016
20	8	2.811	2.965		0.154
20	9	2.739	2.772		0.033
20	10	2.822	2.746		-0.076
35	11	2.777	2.818		0.041
35	12	2.793	2.755		-0.038
35	13	2.812	2.797		-0.015
35	14	2.906	2.841		-0.065
35	15	2.947	2.913		-0.034
30	16	2.768	2.913		0.145
30	17	2.809	2.684		-0.125
30	18	2.812	2.818		0.006
30	19	2.748	2.755		0.007
30	20	2.804	2.754		-0.050
55	21	2.930	2.844		-0.086
55	22	2.753	2.947		0.194
55	23	2.763	2.791		0.028
55	24	2.872	2.788		-0.084
55	25	2.898	2.883		-0.015
55	26	2.748	2.886		0.138
55	27	2.812	2.819		0.007
55	28	2.604	2.832		0.228
55	29	2.721	2.674		-0.047
55	30	2.864	2.691		-0.173
55	31	2.806	2.928		0.122
55	32	2.818	2.834		0.016
55	33	2.708	2.846		0.138
55	34	2.909	2.705		-0.204
55	35	2.726	2.909		0.183
55	36	2.803	2.756		-0.047
55	37	2.898	2.823		-0.075
55	38	2.913	3.202		0.289
55	39	2.875	2.865		-0.010
55	40	2.967	2.877		-0.090
55	41	2.905	2.971		0.066
55	42	2.782	2.882		0.100
50	43	2.845	2.761		-0.084
50	44	2.764	2.822		0.056
50	45	2.842	2.740		-0.102
50	46	2.926	2.898		-0.028
50	47	2.842	2.777		-0.065
	Max	2.979	3.202		0.289
	Average	2.830	2.840		0.010
	Min	2.604	2.674		-0.204
	Std Dev	0.077	0.094		0.107



7.1_I_SS_4V	
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	2.772	2.746	2.820	2.684	2.755	2.740	2.674
Average	2.772	2.878	2.867	2.785	2.825	2.800	2.852
Max	2.772	2.994	2.925	2.913	2.913	2.898	3.202
UL	3.320	3.320	3.320	3.320	3.320	3.320	3.320

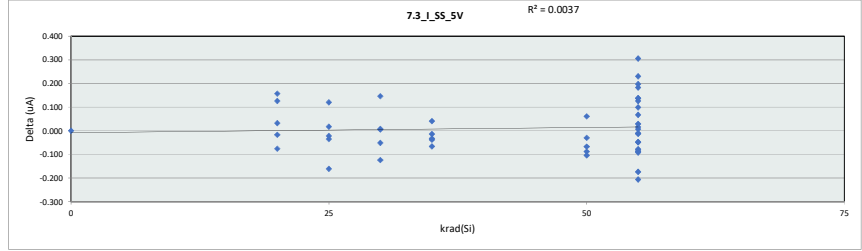


**HDR TID Report
TPS7H5007-SEP**

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

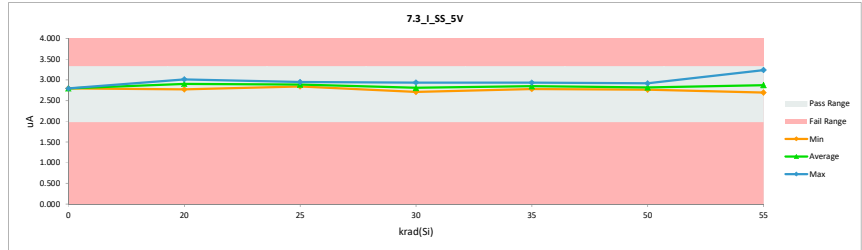
7.3_I_SS_5V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	3.32
Min Limit	1.98

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	2.794	2.794		0.000
25	1	2.873	2.890		0.017
25	2	2.891	2.869		-0.022
25	3	2.935	2.900		-0.035
25	4	2.827	2.947		0.120
25	5	3.003	2.842		-0.161
20	6	2.891	3.017		0.126
20	7	2.953	2.936		-0.017
20	8	2.833	2.990		0.157
20	9	2.761	2.793		0.032
20	10	2.844	2.768		-0.076
35	11	2.799	2.840		0.041
35	12	2.815	2.777		-0.038
35	13	2.834	2.820		-0.014
35	14	2.929	2.863		-0.066
35	15	2.969	2.936		-0.033
30	16	2.791	2.937		0.146
30	17	2.830	2.706		-0.124
30	18	2.835	2.840		0.005
30	19	2.770	2.778		0.008
30	20	2.827	2.776		-0.051
55	21	2.955	2.867		-0.088
55	22	2.775	2.972		0.197
55	23	2.785	2.814		0.029
55	24	2.896	2.810		-0.086
55	25	2.921	2.908		-0.013
55	26	2.771	2.908		0.137
55	27	2.834	2.841		0.007
55	28	2.625	2.855		0.230
55	29	2.743	2.694		-0.049
55	30	2.887	2.713		-0.174
55	31	2.827	2.953		0.126
55	32	2.840	2.856		0.016
55	33	2.729	2.867		0.138
55	34	2.931	2.725		-0.206
55	35	2.748	2.931		0.183
55	36	2.825	2.778		-0.047
55	37	2.922	2.844		-0.078
55	38	2.935	3.240		0.305
55	39	2.897	2.887		-0.010
55	40	2.990	2.898		-0.092
55	41	2.928	2.995		0.067
55	42	2.805	2.904		0.099
50	43	2.870	2.782		-0.088
50	44	2.786	2.847		0.061
50	45	2.865	2.761		-0.104
50	46	2.949	2.919		-0.030
50	47	2.865	2.798		-0.067
Max		3.003	3.240		0.305
Average		2.852	2.862		0.010
Min		2.625	2.694		-0.206
Std Dev		0.077	0.096		0.109



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	2.794	2.768	2.842	2.706	2.777	2.761	2.694
Average	2.794	2.901	2.890	2.807	2.847	2.821	2.875
Max	2.794	3.017	2.947	2.937	2.936	2.919	3.240
UL	3.320	3.320	3.320	3.320	3.320	3.320	3.320

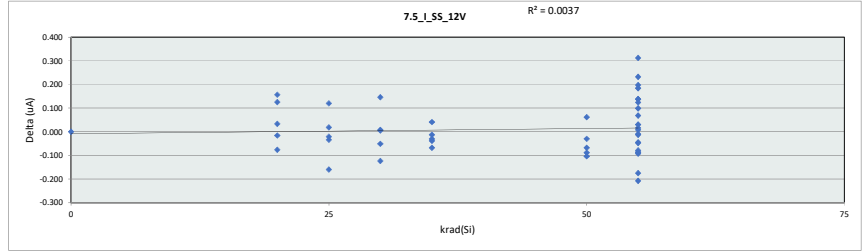


**HDR TID Report
TPS7H5007-SEP**

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

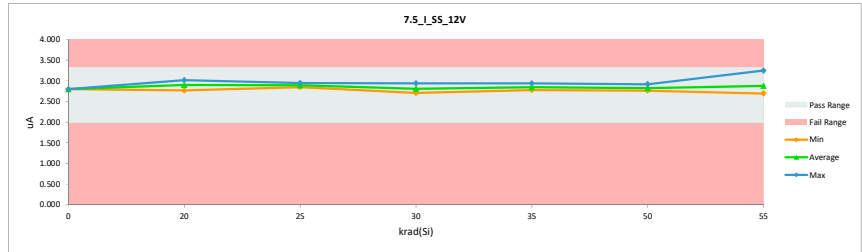
7.5_I_SS_12V	
Test Site	
Tester	
Test Number	
Unit	uA uA
Max Limit	3.32 3.32
Min Limit	1.98 1.98

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	2.796	2.796		0.000
25	1	2.874	2.892		0.018
25	2	2.892	2.871		-0.021
25	3	2.936	2.902		-0.034
25	4	2.828	2.948		0.120
25	5	3.004	2.844		-0.160
20	6	2.892	3.017		0.125
20	7	2.953	2.937		-0.016
20	8	2.834	2.990		0.156
20	9	2.761	2.794		0.033
20	10	2.845	2.768		-0.077
35	11	2.800	2.841		0.041
35	12	2.818	2.779		-0.039
35	13	2.836	2.823		-0.013
35	14	2.932	2.864		-0.068
35	15	2.969	2.938		-0.031
30	16	2.792	2.938		0.146
30	17	2.831	2.707		-0.124
30	18	2.835	2.840		0.005
30	19	2.771	2.779		0.008
30	20	2.828	2.777		-0.051
55	21	2.957	2.868		-0.089
55	22	2.777	2.974		0.197
55	23	2.787	2.817		0.030
55	24	2.897	2.811		-0.086
55	25	2.922	2.909		-0.013
55	26	2.773	2.911		0.138
55	27	2.836	2.844		0.008
55	28	2.625	2.857		0.232
55	29	2.743	2.695		-0.048
55	30	2.889	2.714		-0.175
55	31	2.829	2.953		0.124
55	32	2.842	2.858		0.016
55	33	2.729	2.867		0.138
55	34	2.933	2.725		-0.208
55	35	2.749	2.933		0.184
55	36	2.825	2.780		-0.045
55	37	2.924	2.845		-0.079
55	38	2.937	3.249		0.312
55	39	2.898	2.888		-0.010
55	40	2.992	2.899		-0.093
55	41	2.929	2.997		0.068
55	42	2.806	2.905		0.099
50	43	2.872	2.783		-0.089
50	44	2.788	2.849		0.061
50	45	2.866	2.762		-0.104
50	46	2.951	2.921		-0.030
50	47	2.866	2.798		-0.068
	Max	3.004	3.249		0.312
	Average	2.854	2.864		0.010
	Min	2.625	2.695		-0.208
	Std Dev	0.077	0.097		0.109



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	2.796	2.768	2.844	2.707	2.779	2.762	2.695
Average	2.796	2.901	2.891	2.808	2.849	2.823	2.877
Max	2.796	3.017	2.948	2.938	2.938	2.921	3.249
UL	3.320	3.320	3.320	3.320	3.320	3.320	3.320

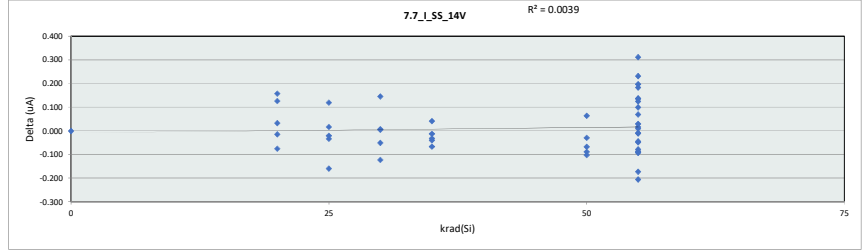


**HDR TID Report
TPS7H5007-SEP**

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

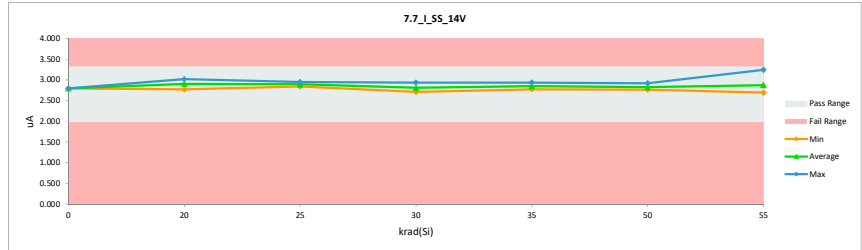
7.7_I_SS_14V	
Test Site	
Tester	
Test Number	
Unit	uA uA
Max Limit	3.32 3.32
Min Limit	1.98 1.98

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	2.796	2.795		-0.001
25	1	2.876	2.892		0.016
25	2	2.892	2.871		-0.021
25	3	2.936	2.902		-0.034
25	4	2.828	2.947		0.119
25	5	3.004	2.844		-0.160
20	6	2.892	3.018		0.126
20	7	2.953	2.938		-0.015
20	8	2.834	2.991		0.157
20	9	2.762	2.794		0.032
20	10	2.845	2.769		-0.076
35	11	2.800	2.841		0.041
35	12	2.817	2.777		-0.040
35	13	2.836	2.823		-0.013
35	14	2.932	2.865		-0.067
35	15	2.970	2.938		-0.032
30	16	2.793	2.938		0.145
30	17	2.831	2.708		-0.123
30	18	2.836	2.840		0.004
30	19	2.771	2.778		0.007
30	20	2.829	2.778		-0.051
55	21	2.957	2.867		-0.090
55	22	2.777	2.974		0.197
55	23	2.787	2.816		0.029
55	24	2.898	2.811		-0.087
55	25	2.922	2.911		-0.011
55	26	2.773	2.908		0.135
55	27	2.835	2.844		0.009
55	28	2.625	2.856		0.231
55	29	2.744	2.695		-0.049
55	30	2.888	2.715		-0.173
55	31	2.829	2.953		0.124
55	32	2.841	2.857		0.016
55	33	2.730	2.867		0.137
55	34	2.933	2.727		-0.206
55	35	2.750	2.933		0.183
55	36	2.826	2.781		-0.045
55	37	2.924	2.845		-0.079
55	38	2.937	3.248		0.311
55	39	2.898	2.889		-0.009
55	40	2.992	2.899		-0.093
55	41	2.929	2.998		0.069
55	42	2.805	2.904		0.099
50	43	2.872	2.783		-0.089
50	44	2.787	2.850		0.063
50	45	2.866	2.763		-0.103
50	46	2.951	2.921		-0.030
50	47	2.866	2.798		-0.068
	Max	3.004	3.248		0.311
	Average	2.854	2.864		0.010
	Min	2.625	2.695		-0.206
	Std Dev	0.077	0.097		0.109



7.7_I_SS_14V	
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	2.795	2.769	2.844	2.708	2.777	2.763	2.695
Average	2.795	2.902	2.891	2.808	2.849	2.823	2.877
Max	2.795	3.018	2.947	2.938	2.938	2.921	3.248
UL	3.320	3.320	3.320	3.320	3.320	3.320	3.320

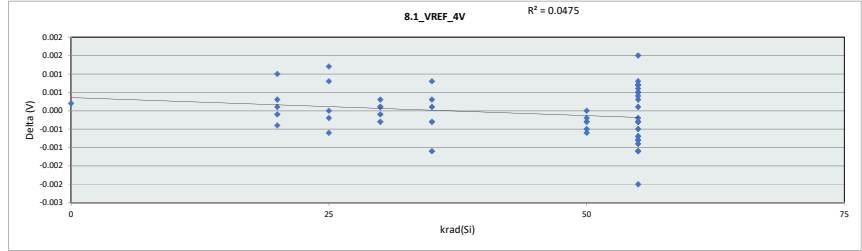


**HDR TID Report
TPS7H5007-SEP**

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

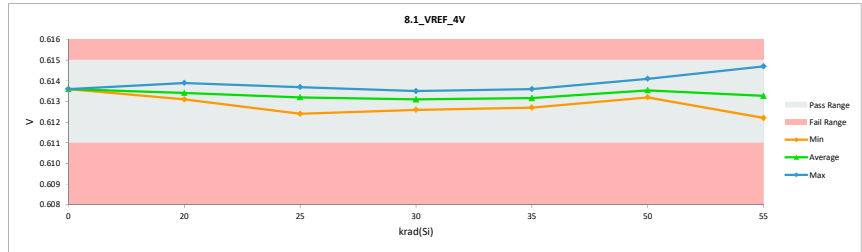
8.1_VREF_4V		
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.615	0.615
Min Limit	0.611	0.611

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.613	0.614	0.000
25	1	0.613	0.614	0.001
25	2	0.613	0.612	-0.001
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	0.613	0.614	0.001
20	8	0.613	0.614	0.000
20	9	0.613	0.613	0.000
20	10	0.613	0.613	0.000
35	11	0.613	0.613	0.000
35	12	0.613	0.613	0.001
35	13	0.614	0.613	-0.001
35	14	0.613	0.614	0.000
35	15	0.613	0.613	0.000
30	16	0.613	0.613	0.000
30	17	0.613	0.613	0.000
30	18	0.613	0.613	0.000
30	19	0.613	0.613	0.000
30	20	0.613	0.613	0.000
55	21	0.613	0.613	0.000
55	22	0.614	0.613	-0.001
55	23	0.613	0.613	0.001
55	24	0.613	0.612	-0.001
55	25	0.613	0.613	-0.001
55	26	0.613	0.614	0.001
55	27	0.613	0.613	0.000
55	28	0.614	0.613	-0.001
55	29	0.614	0.613	-0.001
55	30	0.613	0.614	0.001
55	31	0.613	0.614	0.001
55	32	0.614	0.613	-0.001
55	33	0.613	0.614	0.002
55	34	0.613	0.613	0.000
55	35	0.613	0.613	-0.001
55	36	0.613	0.614	0.001
55	37	0.613	0.614	0.000
55	38	0.614	0.613	0.000
55	39	0.613	0.613	0.000
55	40	0.613	0.613	-0.001
55	41	0.615	0.613	-0.002
55	42	0.614	0.615	0.001
50	43	0.614	0.614	0.000
50	44	0.614	0.613	0.000
50	45	0.614	0.613	0.000
50	46	0.614	0.614	0.000
50	47	0.614	0.613	-0.001
Max		0.615	0.615	0.002
Average		0.613	0.613	0.000
Min		0.613	0.612	-0.002
Std Dev		0.000	0.001	0.001



8.1_VREF_4V		
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.615	V
Min Limit	0.611	V

krad(Si)	0	20	25	30	35	50	55
LL	0.611	0.611	0.611	0.611	0.611	0.611	0.611
Min	0.614	0.613	0.612	0.613	0.613	0.613	0.612
Average	0.614	0.613	0.613	0.613	0.613	0.614	0.613
Max	0.614	0.614	0.614	0.614	0.614	0.614	0.615
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615

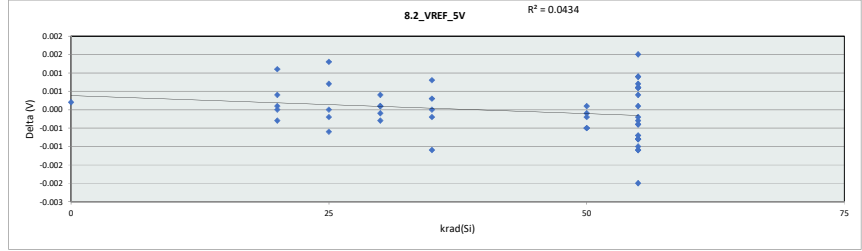


**HDR TID Report
TPS7H5007-SEP**

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

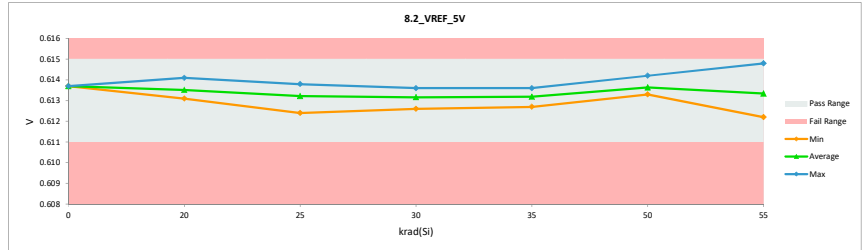
8.2_VREF_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.615
Min Limit	0.611

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	0.613	0.614	0.000
25	1	0.613	0.614	0.001
25	2	0.613	0.612	-0.001
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	0.613	0.614	0.001
20	8	0.613	0.614	0.000
20	9	0.613	0.613	0.000
20	10	0.613	0.613	0.000
35	11	0.613	0.613	0.000
35	12	0.613	0.613	0.001
35	13	0.614	0.613	-0.001
35	14	0.613	0.614	0.000
35	15	0.613	0.613	0.000
30	16	0.613	0.613	0.000
30	17	0.613	0.613	0.000
30	18	0.613	0.613	0.000
30	19	0.613	0.613	0.000
30	20	0.613	0.614	0.000
55	21	0.613	0.613	0.000
55	22	0.614	0.613	-0.001
55	23	0.613	0.613	0.001
55	24	0.613	0.612	-0.001
55	25	0.614	0.613	-0.001
55	26	0.613	0.614	0.001
55	27	0.613	0.613	0.000
55	28	0.614	0.613	-0.001
55	29	0.614	0.613	-0.001
55	30	0.613	0.614	0.001
55	31	0.613	0.614	0.001
55	32	0.614	0.613	-0.001
55	33	0.613	0.615	0.002
55	34	0.613	0.613	0.000
55	35	0.613	0.613	-0.001
55	36	0.613	0.614	0.001
55	37	0.613	0.614	0.001
55	38	0.614	0.613	0.000
55	39	0.613	0.614	0.000
55	40	0.613	0.613	0.000
55	41	0.615	0.613	-0.002
55	42	0.614	0.615	0.001
50	43	0.614	0.614	0.000
50	44	0.614	0.613	0.000
50	45	0.614	0.613	0.000
50	46	0.614	0.614	0.000
50	47	0.614	0.613	0.000
Max		0.615	0.615	0.002
Average		0.613	0.613	0.000
Min		0.613	0.612	-0.002
Std Dev		0.000	0.001	0.001



8.2_VREF_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.615
Min Limit	0.611

krad(Si)	0	20	25	30	35	50	55
LL	0.611	0.611	0.611	0.611	0.611	0.611	0.611
Min	0.614	0.613	0.612	0.613	0.613	0.613	0.612
Average	0.614	0.614	0.613	0.613	0.613	0.614	0.613
Max	0.614	0.614	0.614	0.614	0.614	0.614	0.615
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615

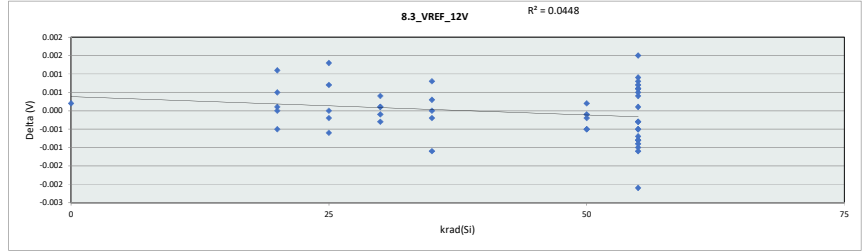


**HDR TID Report
TPS7H5007-SEP**

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

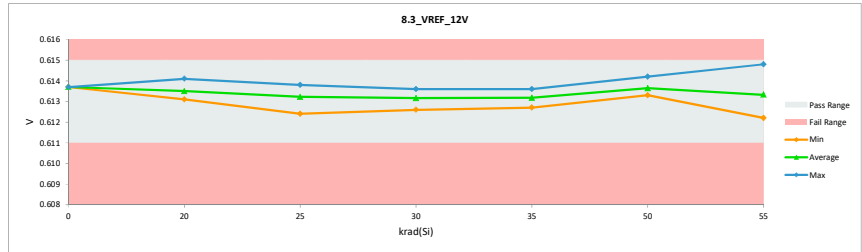
8.3_VREF_12V		
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.615	0.615
Min Limit	0.611	0.611

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.613	0.614	0.000
25	1	0.613	0.614	0.001
25	2	0.613	0.612	-0.001
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	0.613	0.614	0.001
20	8	0.613	0.614	0.001
20	9	0.614	0.613	-0.001
20	10	0.613	0.613	0.000
35	11	0.613	0.613	0.000
35	12	0.613	0.613	0.001
35	13	0.614	0.613	-0.001
35	14	0.613	0.614	0.000
35	15	0.613	0.613	0.000
30	16	0.613	0.613	0.000
30	17	0.613	0.613	0.000
30	18	0.613	0.613	0.000
30	19	0.613	0.613	0.000
30	20	0.613	0.614	0.000
55	21	0.613	0.613	0.000
55	22	0.614	0.613	-0.001
55	23	0.613	0.613	0.001
55	24	0.613	0.612	-0.001
55	25	0.614	0.613	-0.001
55	26	0.613	0.614	0.001
55	27	0.613	0.613	0.000
55	28	0.613	0.613	-0.001
55	29	0.614	0.613	-0.001
55	30	0.613	0.614	0.001
55	31	0.613	0.614	0.001
55	32	0.614	0.613	-0.001
55	33	0.613	0.615	0.002
55	34	0.613	0.613	0.000
55	35	0.613	0.613	-0.001
55	36	0.613	0.614	0.001
55	37	0.613	0.614	0.001
55	38	0.614	0.613	0.000
55	39	0.613	0.614	0.000
55	40	0.613	0.613	-0.001
55	41	0.615	0.613	-0.002
55	42	0.614	0.615	0.001
50	43	0.614	0.614	0.000
50	44	0.614	0.613	0.000
50	45	0.614	0.613	0.000
50	46	0.614	0.614	0.000
50	47	0.614	0.613	0.000
Max		0.615	0.615	0.002
Average		0.613	0.613	0.000
Min		0.613	0.612	-0.002
Std Dev		0.000	0.001	0.001



8.3_VREF_12V		
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.615	V
Min Limit	0.611	V

krad(Si)	0	20	25	30	35	50	55
LL	0.611	0.611	0.611	0.611	0.611	0.611	0.611
Min	0.614	0.613	0.612	0.613	0.613	0.613	0.612
Average	0.614	0.614	0.613	0.613	0.613	0.614	0.613
Max	0.614	0.614	0.614	0.614	0.614	0.614	0.615
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615

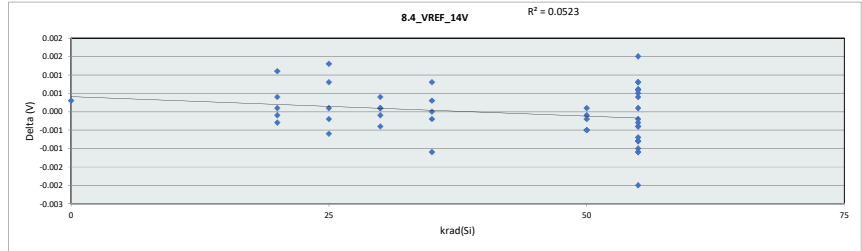


**HDR TID Report
TPS7H5007-SEP**

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

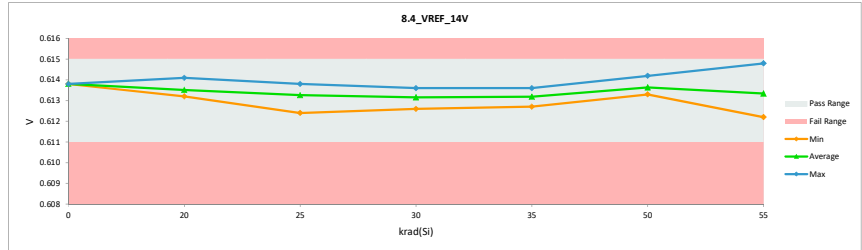
8.4_VREF_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.615
Min Limit	0.611

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	0.613	0.614	0.000
25	1	0.613	0.614	0.001
25	2	0.613	0.612	-0.001
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	0.613	0.614	0.001
20	8	0.613	0.614	0.000
20	9	0.613	0.613	0.000
20	10	0.613	0.613	0.000
35	11	0.613	0.613	0.000
35	12	0.613	0.613	0.001
35	13	0.614	0.613	-0.001
35	14	0.613	0.614	0.000
35	15	0.613	0.613	0.000
30	16	0.613	0.613	0.000
30	17	0.613	0.613	0.000
30	18	0.614	0.613	0.000
30	19	0.613	0.613	0.000
30	20	0.613	0.614	0.000
55	21	0.613	0.613	0.000
55	22	0.614	0.613	-0.001
55	23	0.613	0.613	0.001
55	24	0.613	0.612	-0.001
55	25	0.614	0.613	-0.001
55	26	0.613	0.614	0.001
55	27	0.613	0.613	0.000
55	28	0.614	0.613	-0.001
55	29	0.614	0.613	-0.001
55	30	0.613	0.614	0.001
55	31	0.613	0.614	0.001
55	32	0.614	0.613	-0.001
55	33	0.613	0.615	0.002
55	34	0.613	0.614	0.000
55	35	0.613	0.613	-0.001
55	36	0.613	0.614	0.001
55	37	0.613	0.614	0.001
55	38	0.614	0.613	0.000
55	39	0.613	0.614	0.000
55	40	0.613	0.613	0.000
55	41	0.615	0.613	-0.002
55	42	0.614	0.615	0.001
50	43	0.614	0.614	0.000
50	44	0.614	0.613	0.000
50	45	0.614	0.613	0.000
50	46	0.614	0.614	0.000
50	47	0.614	0.613	0.000
Max		0.615	0.615	0.002
Average		0.613	0.613	0.000
Min		0.613	0.612	-0.002
Std Dev		0.000	0.001	0.001



8.4_VREF_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.615
Min Limit	0.611

krad(Si)	0	20	25	30	35	50	55
LL	0.611	0.611	0.611	0.611	0.611	0.611	0.611
Min	0.614	0.613	0.612	0.613	0.613	0.613	0.612
Average	0.614	0.614	0.613	0.613	0.613	0.614	0.613
Max	0.614	0.614	0.614	0.614	0.614	0.614	0.615
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615

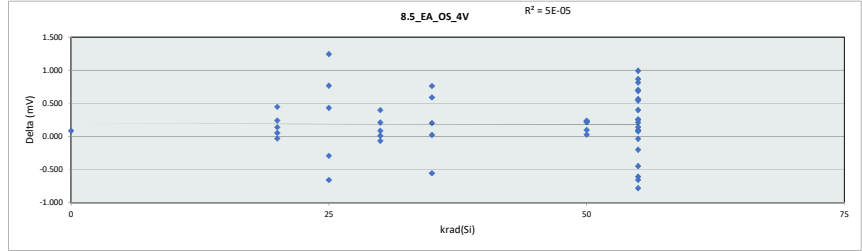


**HDR TID Report
TPS7H5007-SEP**

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

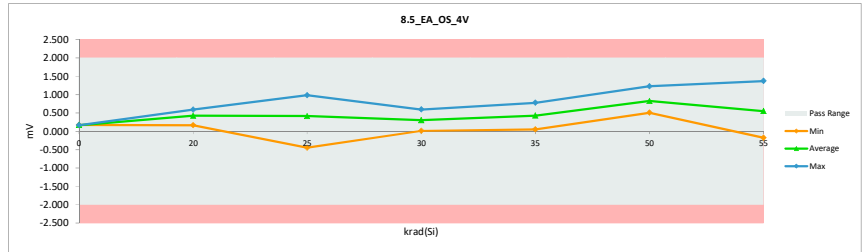
8.5_EA_OS_4V		
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	2	2
Min Limit	-2	-2

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.086	0.169	0.084
25	1	-0.557	0.685	1.242
25	2	0.212	-0.447	-0.659
25	3	0.849	0.555	-0.294
25	4	0.218	0.985	0.766
25	5	-0.122	0.306	0.429
20	6	0.029	0.165	0.136
20	7	-0.025	0.420	0.445
20	8	0.448	0.417	-0.031
20	9	0.486	0.537	0.051
20	10	0.354	0.592	0.238
35	11	0.411	0.431	0.020
35	12	-0.131	0.630	0.761
35	13	0.613	0.055	-0.558
35	14	0.190	0.777	0.587
35	15	0.065	0.264	0.199
30	16	-0.231	0.165	0.396
30	17	0.003	0.012	0.008
30	18	0.357	0.289	-0.068
30	19	0.245	0.456	0.211
30	20	0.510	0.595	0.085
55	21	0.352	0.607	0.255
55	22	0.575	0.373	-0.202
55	23	-0.298	0.691	0.989
55	24	0.273	-0.178	-0.450
55	25	0.343	0.436	0.093
55	26	-0.160	0.705	0.865
55	27	-0.113	-0.038	-0.076
55	28	0.821	0.038	-0.784
55	29	0.808	0.890	0.082
55	30	0.227	0.928	0.702
55	31	-0.012	0.673	0.685
55	32	0.755	0.144	-0.611
55	33	0.304	1.116	0.812
55	34	0.396	0.536	0.139
55	35	0.271	0.481	0.211
55	36	0.221	0.762	0.541
55	37	0.315	0.568	0.253
55	38	0.469	0.557	0.088
55	39	0.316	0.715	0.399
55	40	0.359	0.321	-0.038
55	41	1.076	0.420	-0.656
55	42	0.808	1.372	0.564
50	43	0.768	0.863	0.096
50	44	0.655	0.875	0.220
50	45	0.428	0.664	0.236
50	46	1.016	1.230	0.214
50	47	0.481	0.506	0.025
Max		1.076	1.372	1.242
Average		0.322	0.507	0.184
Min		-0.557	-0.447	-0.784
Std Dev		0.350	0.355	0.441



8.5_EA_OS_4V		
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	2	2
Min Limit	-2	-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	0.169	0.165	-0.447	0.012	0.055	0.506	-0.178
Average	0.169	0.426	0.417	0.303	0.431	0.828	0.551
Max	0.169	0.592	0.985	0.595	0.777	1.230	1.372
UL	2.000	2.000	2.000	2.000	2.000	2.000	2.000

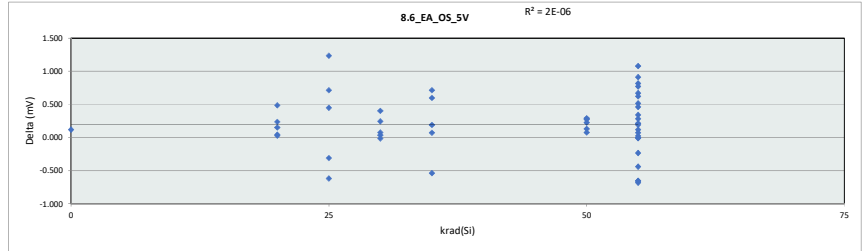


**HDR TID Report
TPS7H5007-SEP**

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

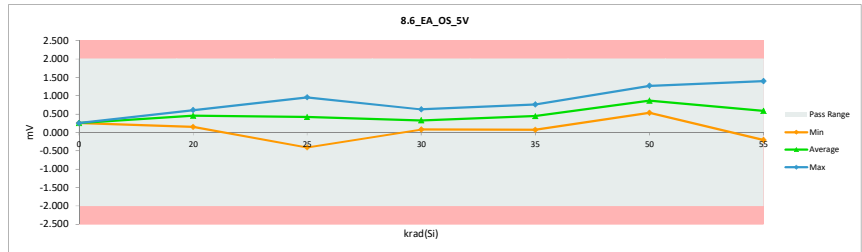
8.6_EA_OS_5V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	2 2
Min Limit	-2 -2

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.138	0.255	0.118
25	1	-0.534	0.700	1.234
25	2	0.210	-0.410	-0.620
25	3	0.856	0.546	-0.310
25	4	0.246	0.957	0.711
25	5	-0.143	0.305	0.448
20	6	0.003	0.154	0.151
20	7	0.042	0.526	0.485
20	8	0.421	0.448	0.027
20	9	0.496	0.539	0.043
20	10	0.376	0.612	0.236
35	11	0.415	0.487	0.072
35	12	-0.086	0.627	0.713
35	13	0.610	0.070	-0.540
35	14	0.167	0.762	0.595
35	15	0.091	0.280	0.189
30	16	-0.236	0.166	0.402
30	17	0.046	0.080	0.034
30	18	0.306	0.289	-0.017
30	19	0.257	0.499	0.243
30	20	0.551	0.627	0.076
55	21	0.388	0.670	0.282
55	22	0.649	0.413	-0.236
55	23	-0.335	0.742	1.077
55	24	0.235	-0.206	-0.440
55	25	0.438	0.427	-0.011
55	26	-0.147	0.763	0.910
55	27	-0.062	-0.040	0.022
55	28	0.820	0.137	-0.683
55	29	0.827	0.945	0.118
55	30	0.205	0.974	0.769
55	31	0.054	0.721	0.667
55	32	0.777	0.122	-0.655
55	33	0.367	1.183	0.816
55	34	0.400	0.590	0.190
55	35	0.278	0.490	0.213
55	36	0.281	0.795	0.514
55	37	0.324	0.665	0.341
55	38	0.500	0.571	0.071
55	39	0.302	0.763	0.460
55	40	0.362	0.358	-0.004
55	41	1.133	0.474	-0.659
55	42	0.780	1.401	0.621
50	43	0.786	0.916	0.130
50	44	0.686	0.909	0.223
50	45	0.433	0.722	0.290
50	46	0.999	1.271	0.272
50	47	0.461	0.535	0.075
Max		1.133	1.401	1.234
Average		0.337	0.538	0.201
Min		-0.534	-0.410	-0.683
Std Dev		0.350	0.360	0.442



8.6_EA_OS_5V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	2 2
Min Limit	-2 -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	0.255	0.154	-0.410	0.080	0.070	0.536	-0.206
Average	0.255	0.456	0.420	0.332	0.445	0.871	0.589
Max	0.255	0.612	0.957	0.627	0.762	1.271	1.401
UL	2.000	2.000	2.000	2.000	2.000	2.000	2.000

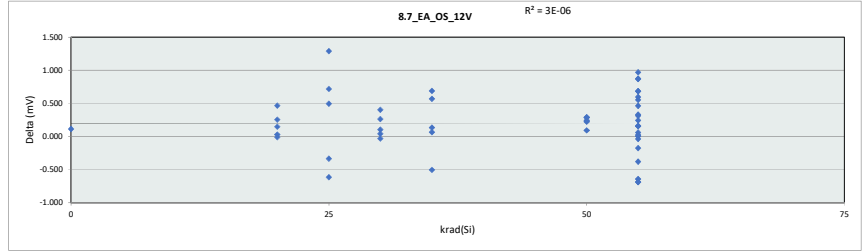


**HDR TID Report
TPS7H5007-SEP**

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

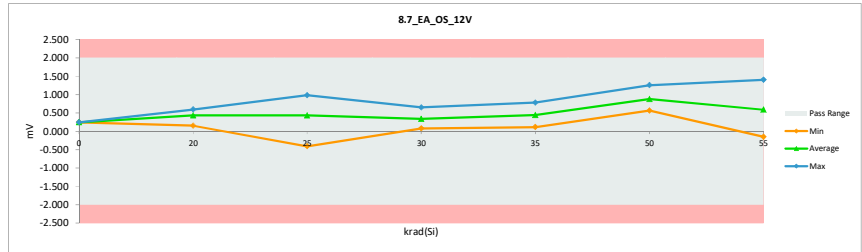
8.7_EA_OS_12V		
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	2	2
Min Limit	-2	-2

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.137	0.248	0.111
25	1	-0.568	0.719	1.288
25	2	0.207	-0.409	-0.616
25	3	0.879	0.543	-0.337
25	4	0.270	0.985	0.715
25	5	-0.154	0.338	0.492
20	6	0.006	0.152	0.146
20	7	0.045	0.509	0.464
20	8	0.415	0.443	0.028
20	9	0.512	0.500	-0.013
20	10	0.342	0.595	0.253
35	11	0.420	0.482	0.062
35	12	-0.078	0.608	0.685
35	13	0.623	0.115	-0.507
35	14	0.214	0.781	0.568
35	15	0.106	0.240	0.134
30	16	-0.235	0.167	0.402
30	17	0.043	0.080	0.037
30	18	0.318	0.286	-0.032
30	19	0.260	0.521	0.261
30	20	0.549	0.650	0.101
55	21	0.367	0.679	0.312
55	22	0.643	0.466	-0.177
55	23	-0.245	0.722	0.967
55	24	0.231	-0.152	-0.383
55	25	0.427	0.431	0.004
55	26	-0.155	0.711	0.866
55	27	-0.074	-0.052	0.021
55	28	0.805	0.115	-0.690
55	29	0.787	0.941	0.154
55	30	0.277	0.958	0.681
55	31	0.055	0.739	0.684
55	32	0.794	0.150	-0.643
55	33	0.332	1.204	0.872
55	34	0.384	0.624	0.241
55	35	0.299	0.458	0.159
55	36	0.272	0.822	0.550
55	37	0.312	0.641	0.329
55	38	0.516	0.574	0.058
55	39	0.297	0.758	0.461
55	40	0.376	0.337	-0.039
55	41	1.147	0.458	-0.689
55	42	0.813	1.407	0.594
50	43	0.715	0.936	0.221
50	44	0.658	0.947	0.290
50	45	0.424	0.708	0.284
50	46	1.018	1.259	0.241
50	47	0.477	0.567	0.090
Max		1.147	1.407	1.288
Average		0.339	0.541	0.202
Min		-0.568	-0.409	-0.690
Std Dev		0.348	0.360	0.437



8.7_EA_OS_12V		
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	2	2
Min Limit	-2	-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	0.248	0.152	-0.409	0.080	0.115	0.567	-0.152
Average	0.248	0.440	0.435	0.341	0.445	0.883	0.590
Max	0.248	0.595	0.985	0.650	0.781	1.259	1.407
UL	2.000	2.000	2.000	2.000	2.000	2.000	2.000

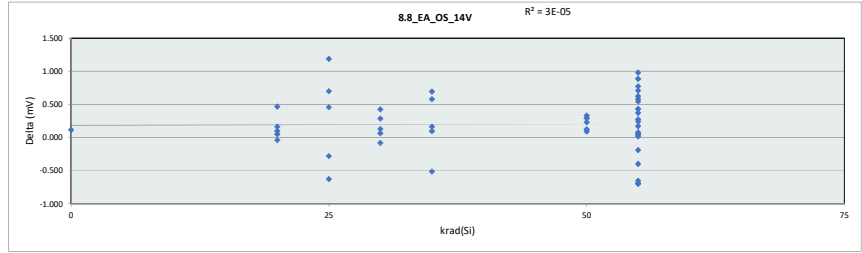


**HDR TID Report
TPS7H5007-SEP**

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

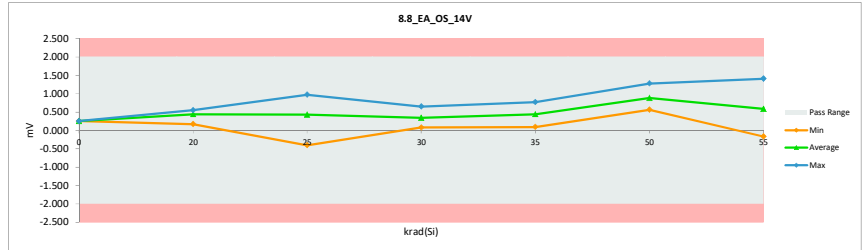
8.8_EA_OS_14V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	2 2
Min Limit	-2 -2

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.143	0.257	0.114
25	1	-0.486	0.698	1.184
25	2	0.227	-0.405	-0.631
25	3	0.866	0.582	-0.284
25	4	0.275	0.971	0.696
25	5	-0.150	0.305	0.455
20	6	0.075	0.171	0.096
20	7	0.069	0.532	0.462
20	8	0.488	0.446	-0.042
20	9	0.467	0.513	0.046
20	10	0.393	0.551	0.158
35	11	0.392	0.485	0.093
35	12	-0.084	0.606	0.690
35	13	0.607	0.092	-0.515
35	14	0.193	0.770	0.577
35	15	0.102	0.262	0.160
30	16	-0.254	0.169	0.423
30	17	0.018	0.079	0.061
30	18	0.396	0.310	-0.086
30	19	0.227	0.510	0.283
30	20	0.525	0.652	0.126
55	21	0.381	0.651	0.270
55	22	0.640	0.446	-0.193
55	23	-0.254	0.724	0.978
55	24	0.237	-0.165	-0.402
55	25	0.403	0.423	0.020
55	26	-0.162	0.721	0.883
55	27	-0.079	-0.004	0.075
55	28	0.818	0.115	-0.703
55	29	0.871	0.927	0.056
55	30	0.275	0.981	0.707
55	31	0.062	0.683	0.621
55	32	0.791	0.098	-0.693
55	33	0.376	1.145	0.769
55	34	0.410	0.649	0.239
55	35	0.290	0.459	0.168
55	36	0.276	0.819	0.542
55	37	0.302	0.671	0.369
55	38	0.500	0.554	0.054
55	39	0.313	0.741	0.428
55	40	0.338	0.354	0.016
55	41	1.128	0.473	-0.655
55	42	0.831	1.408	0.577
50	43	0.806	0.926	0.120
50	44	0.690	0.919	0.229
50	45	0.413	0.742	0.329
50	46	0.993	1.281	0.288
50	47	0.472	0.561	0.090
Max		1.128	1.408	1.184
Average		0.346	0.539	0.193
Min		-0.486	-0.405	-0.703
Std Dev		0.347	0.356	0.429



8.8_EA_OS_14V	
Test Site	
Tester	
Test Number	
Unit	mV mV
Max Limit	2 2
Min Limit	-2 -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	0.257	0.171	-0.405	0.079	0.092	0.561	-0.165
Average	0.257	0.442	0.430	0.344	0.443	0.886	0.585
Max	0.257	0.551	0.971	0.652	0.770	1.281	1.409
UL	2.000	2.000	2.000	2.000	2.000	2.000	2.000

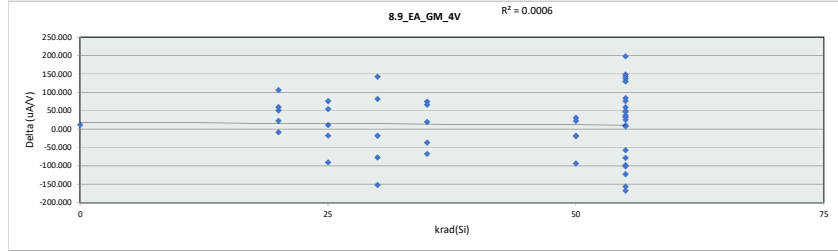


**HDR TID Report
TPS7H5007-SEP**

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

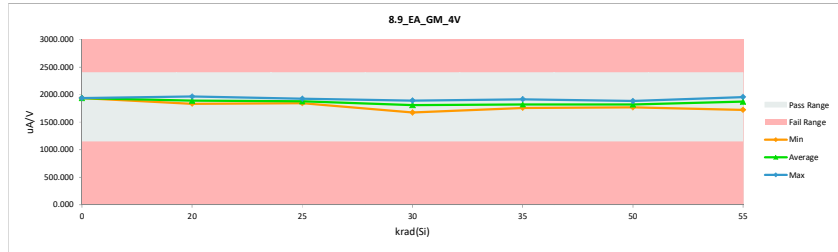
8.9_EA_GM_4V	
Test Site	
Tester	
Test Number	
Unit	uA/V
Max Limit	2400
Min Limit	1150

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1926.412	1937.625	11.213
25	1	1877.339	1887.944	10.605
25	2	1810.104	1864.052	53.948
25	3	1934.319	1843.610	-90.709
25	4	1848.729	1924.257	75.528
25	5	1887.891	1869.953	-17.938
20	6	1921.404	1912.446	-8.958
20	7	1858.982	1964.764	105.782
20	8	1830.684	1881.149	50.465
20	9	1813.292	1835.722	22.430
20	10	1786.854	1846.247	59.393
35	11	1738.887	1758.323	19.436
35	12	1832.764	1765.168	-67.596
35	13	1786.311	1852.311	66.000
35	14	1861.529	1824.771	-36.758
35	15	1840.677	1915.218	74.541
30	16	1709.466	1851.657	142.191
30	17	1827.534	1675.267	-152.267
30	18	1808.221	1890.210	81.989
30	19	1819.773	1801.329	-18.444
30	20	1895.431	1818.008	-77.423
55	21	1906.014	1931.268	25.254
55	22	1733.775	1931.268	197.493
55	23	1850.544	1749.112	-101.432
55	24	1859.569	1892.331	32.762
55	25	1984.788	1906.264	-78.524
55	26	1802.693	1945.873	143.180
55	27	1871.622	1881.898	10.276
55	28	1715.348	1863.742	148.394
55	29	1744.030	1781.030	37.000
55	30	1890.454	1722.843	-167.611
55	31	1860.084	1944.012	83.928
55	32	1823.135	1869.953	46.818
55	33	1845.009	1894.008	48.999
55	34	1951.929	1829.287	-122.642
55	35	1808.231	1937.614	129.383
55	36	1748.628	1824.761	76.133
55	37	1908.986	1752.611	-156.375
55	38	1974.522	1916.969	-57.553
55	39	1920.931	1928.094	7.163
55	40	1994.190	1896.031	-98.159
55	41	1820.306	1956.937	136.631
55	42	1773.181	1832.414	59.233
50	43	1776.147	1806.313	30.166
50	44	1786.311	1767.818	-18.493
50	45	1885.472	1791.930	-93.542
50	46	1859.569	1881.909	22.340
50	47	1859.548	1840.737	-18.811
	Max	1994.190	1964.764	197.493
	Average	1845.242	1858.272	13.030
	Min	1709.466	1675.267	-167.611
	Std Dev	68.856	67.309	86.138



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

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	1937.625	1835.722	1843.610	1675.267	1758.323	1767.818	1722.843
Average	1937.625	1888.066	1877.963	1807.294	1823.158	1817.741	1872.196
Max	1937.625	1964.764	1924.257	1890.210	1915.218	1881.909	1956.937
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000

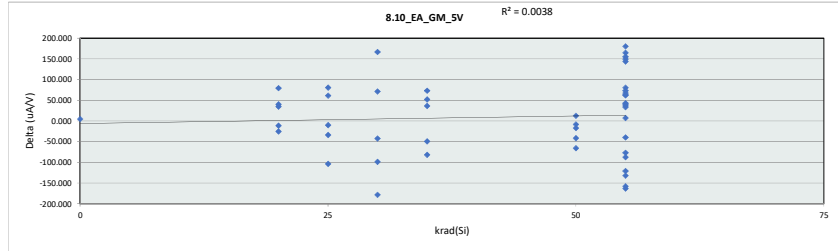


**HDR TID Report
TPS7H5007-SEP**

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

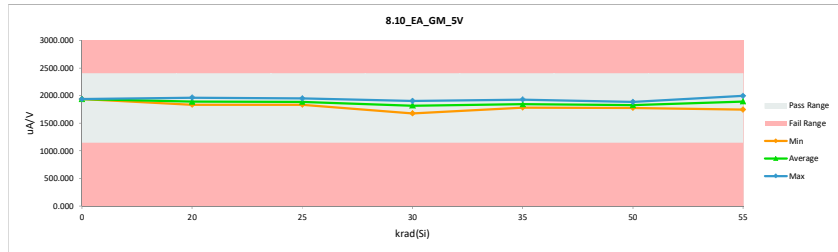
8.10_EA_GM_5V	
Test Site	
Tester	
Test Number	
Unit	uA/V
Max Limit	2400
Min Limit	1150

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1933.371	1937.614	4.243
25	1	1905.398	1894.596	-10.802
25	2	1825.227	1885.928	60.701
25	3	1939.081	1834.819	-104.262
25	4	1870.057	1950.283	80.226
25	5	1910.181	1875.912	-34.269
20	6	1956.960	1931.268	-25.692
20	7	1884.657	1963.442	78.785
20	8	1853.713	1887.934	34.221
20	9	1846.745	1834.989	-11.746
20	10	1806.994	1846.511	39.517
35	11	1775.545	1811.315	35.770
35	12	1865.451	1783.198	-82.253
35	13	1797.209	1869.953	72.744
35	14	1879.126	1829.307	-49.819
35	15	1877.329	1928.970	51.641
30	16	1735.810	1901.952	166.142
30	17	1856.955	1678.166	-178.789
30	18	1816.325	1887.212	70.887
30	19	1845.800	1802.839	-42.961
30	20	1924.169	1825.188	-98.981
55	21	1895.441	1956.926	61.485
55	22	1753.105	1932.848	179.743
55	23	1887.859	1766.320	-121.539
55	24	1901.553	1944.012	42.459
55	25	2012.851	1924.953	-87.898
55	26	1842.122	1996.729	154.607
55	27	1872.374	1908.508	36.134
55	28	1734.232	1883.398	149.166
55	29	1758.987	1765.688	6.701
55	30	1911.639	1747.882	-163.757
55	31	1858.992	1921.811	62.819
55	32	1854.697	1887.934	33.237
55	33	1842.122	1914.705	72.583
55	34	1986.868	1854.256	-132.612
55	35	1819.388	1983.287	163.899
55	36	1788.120	1867.964	79.844
55	37	1943.067	1784.953	-158.114
55	38	1961.972	1921.811	-40.161
55	39	1933.360	1973.314	39.954
55	40	2005.800	1928.416	-77.384
55	41	1840.848	1983.955	143.107
55	42	1785.285	1852.311	67.026
50	43	1783.349	1795.209	11.860
50	44	1797.199	1779.566	-17.633
50	45	1877.329	1811.188	-66.141
50	46	1895.441	1886.745	-8.696
50	47	1905.906	1864.042	-41.864
Max		2012.851	1996.729	179.743
Average		1865.750	1875.003	9.253
Min		1734.232	1678.166	-178.789
Std Dev		67.908	70.634	90.428



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

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	1937.614	1834.999	1834.819	1678.166	1783.198	1779.566	1747.882
Average	1937.614	1892.831	1888.308	1819.071	1844.549	1827.350	1895.545
Max	1937.614	1963.442	1950.283	1901.952	1928.970	1886.745	1996.729
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000

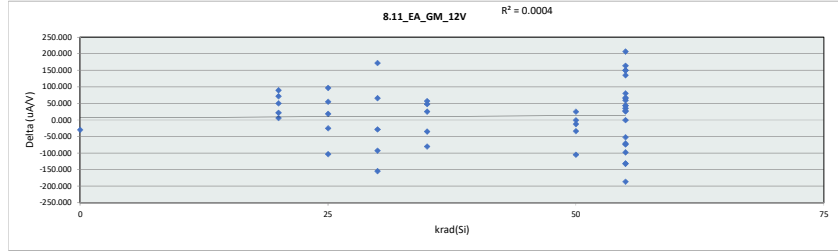


**HDR TID Report
TPS7H5007-SEP**

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

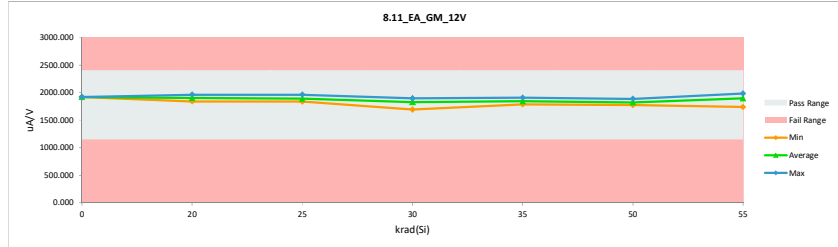
8.11_EA_GM_12V	
Test Site	
Tester	
Test Number	
Unit	uA/V
Max Limit	2400
Min Limit	1150

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1951.917	1921.173	-30.744
25	1	1886.013	1903.614	17.601
25	2	1821.502	1875.901	54.399
25	3	1939.720	1835.722	-103.998
25	4	1866.634	1962.730	96.096
25	5	1908.085	1881.909	-26.176
20	6	1945.489	1950.454	4.965
20	7	1892.726	1963.453	70.727
20	8	1816.325	1805.246	-11.079
20	9	1825.545	1846.511	20.966
20	10	1790.372	1839.587	49.215
35	11	1773.762	1798.278	24.516
35	12	1864.384	1783.463	-80.921
35	13	1813.792	1869.953	56.161
35	14	1883.335	1847.660	-35.675
35	15	1862.231	1909.301	47.070
30	16	1718.607	1889.965	171.358
30	17	1847.904	1692.634	-155.270
30	18	1830.684	1895.752	65.068
30	19	1849.503	1819.970	-29.533
30	20	1931.435	1837.864	-93.571
55	21	1917.539	1960.184	42.645
55	22	1746.381	1951.963	205.582
55	23	1883.335	1784.469	-98.866
55	24	1889.369	1914.530	25.161
55	25	2018.773	1947.228	-71.545
55	26	1827.285	1976.627	149.342
55	27	1877.339	1911.759	34.420
55	28	1721.605	1884.699	163.094
55	29	1752.830	1779.557	26.727
55	30	1924.997	1737.572	-187.425
55	31	1886.352	1952.803	66.451
55	32	1877.329	1875.912	-1.417
55	33	1849.483	1913.154	63.671
55	34	1991.479	1858.673	-132.806
55	35	1807.607	1956.926	149.319
55	36	1769.459	1849.096	79.637
55	37	1907.976	1775.808	-132.168
55	38	1984.272	1931.268	-53.004
55	39	1933.995	1976.627	42.632
55	40	2007.324	1932.436	-74.888
55	41	1850.809	1984.953	134.144
55	42	1788.244	1846.511	58.267
50	43	1778.529	1802.606	24.077
50	44	1787.510	1774.203	-13.307
50	45	1903.312	1797.825	-105.487
50	46	1887.339	1885.674	-1.665
50	47	1892.833	1858.158	-34.675
Max		2018.773	1984.953	205.582
Average		1864.235	1876.091	11.856
Min		1718.607	1692.634	-187.425
Std Dev		72.242	69.586	89.632



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

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	1921.173	1839.587	1835.722	1692.634	1783.463	1774.203	1737.572
Average	1921.173	1901.050	1891.975	1827.237	1841.731	1823.693	1895.580
Max	1921.173	1963.453	1962.730	1895.752	1909.301	1885.674	1984.953
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000

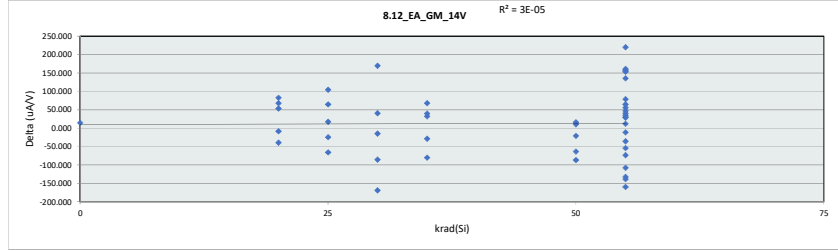


**HDR TID Report
TPS7H5007-SEP**

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

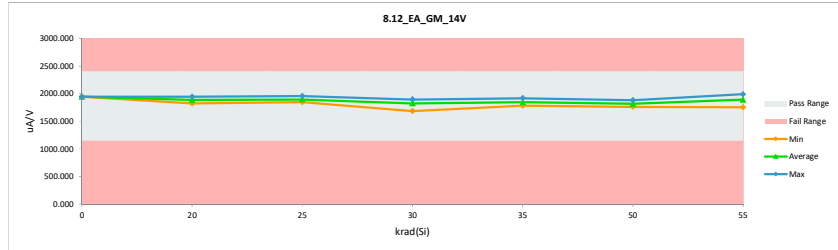
8.12_EA_GM_14V	
Test Site	
Tester	
Test Number	
Unit	uA/V
Max Limit	2400
Min Limit	1150

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1931.802	1945.771	13.969
25	1	1889.369	1906.264	16.895
25	2	1823.779	1887.923	64.144
25	3	1912.206	1845.881	-66.325
25	4	1853.723	1957.588	103.865
25	5	1907.065	1881.909	-25.156
20	6	1933.984	1894.008	-39.976
20	7	1891.382	1944.024	52.642
20	8	1832.564	1900.121	67.557
20	9	1832.574	1823.630	-8.944
20	10	1786.131	1867.975	81.844
35	11	1770.215	1801.958	31.743
35	12	1861.694	1780.974	-80.720
35	13	1802.693	1869.963	67.270
35	14	1877.329	1848.434	-28.895
35	15	1879.516	1918.690	39.174
30	16	1726.149	1895.656	169.507
30	17	1852.659	1682.964	-169.695
30	18	1835.813	1875.912	40.099
30	19	1844.441	1829.307	-15.134
30	20	1926.821	1840.727	-86.094
55	21	1914.606	1944.812	30.206
55	22	1729.325	1949.083	219.758
55	23	1894.211	1761.166	-133.045
55	24	1913.896	1902.157	-11.739
55	25	1979.449	1924.953	-54.496
55	26	1825.903	1983.287	157.384
55	27	1860.621	1907.293	46.672
55	28	1728.692	1889.145	160.453
55	29	1747.135	1787.196	40.061
55	30	1913.133	1753.078	-160.055
55	31	1871.371	1906.264	34.893
55	32	1859.569	1887.934	28.365
55	33	1854.461	1918.690	64.229
55	34	1982.560	1874.120	-108.440
55	35	1817.280	1970.024	152.744
55	36	1767.027	1845.232	78.205
55	37	1913.198	1774.212	-138.986
55	38	1973.500	1937.614	-35.886
55	39	1945.478	1956.937	11.459
55	40	2005.033	1931.124	-73.909
55	41	1854.881	1989.991	135.110
55	42	1785.523	1840.737	55.214
50	43	1780.917	1796.382	15.465
50	44	1782.696	1761.175	-21.521
50	45	1895.441	1808.367	-87.074
50	46	1871.956	1881.898	9.942
50	47	1901.553	1837.592	-63.961
Max		2005.033	1989.991	219.758
Average		1861.278	1873.336	-12.059
Min		1726.149	1682.964	-169.695
Std Dev		69.027	68.104	88.438



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	1945.771	1823.630	1845.881	1682.964	1780.974	1761.175	1753.078
Average	1945.771	1885.952	1895.913	1824.913	1844.004	1817.083	1892.502
Max	1945.771	1944.024	1957.588	1895.656	1918.690	1881.898	1989.991
UL	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000	2400.000

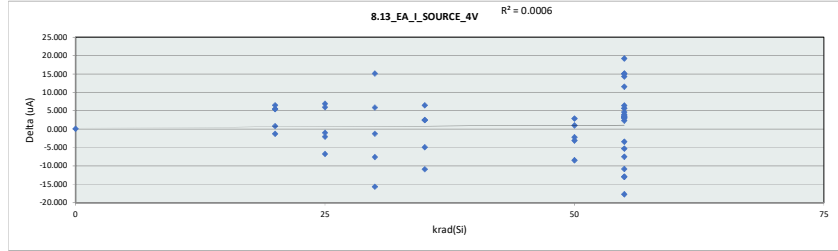


**HDR TID Report
TPS7H5007-SEP**

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

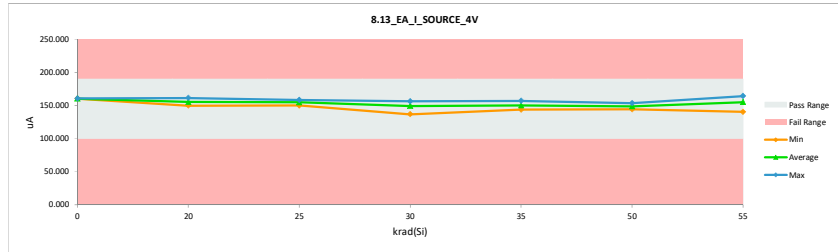
8.13_EA_I_SOURCE_4V	
Test Site	
Tester	
Test Number	
Unit	uA uA
Max Limit	190 190
Min Limit	100 100

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	160.635	160.673	0.038
25	1	156.681	155.680	-1.001
25	2	149.011	155.843	6.832
25	3	157.072	150.239	-6.833
25	4	152.604	158.482	5.878
25	5	156.886	154.774	-2.112
20	6	159.731	158.382	-1.349
20	7	155.171	161.625	6.454
20	8	149.869	155.277	5.408
20	9	149.101	149.875	0.774
20	10	146.561	151.961	5.400
35	11	144.438	146.899	2.461
35	12	154.857	143.905	-10.952
35	13	147.432	153.820	6.388
35	14	155.122	150.112	-5.010
35	15	154.573	156.956	2.383
30	16	141.373	156.438	15.065
30	17	152.565	136.867	-15.698
30	18	149.237	155.074	5.837
30	19	150.084	148.760	-1.324
30	20	157.734	150.119	-7.615
55	21	156.670	159.904	3.234
55	22	140.952	160.113	19.161
55	23	156.189	143.154	-13.035
55	24	155.308	158.551	3.243
55	25	164.680	159.305	-5.375
55	26	150.530	162.023	11.493
55	27	154.165	157.078	2.913
55	28	139.178	154.178	15.000
55	29	142.341	144.608	2.267
55	30	158.152	140.357	-17.795
55	31	154.429	160.044	5.615
55	32	151.766	155.011	3.245
55	33	151.925	155.826	3.901
55	34	163.125	152.232	-10.893
55	35	148.965	163.220	14.255
55	36	144.659	151.022	6.363
55	37	157.932	144.940	-12.992
55	38	162.583	159.117	-3.466
55	39	158.420	161.957	3.537
55	40	166.573	159.001	-7.572
55	41	149.250	164.305	15.055
55	42	144.841	149.435	4.594
50	43	143.432	146.270	2.838
50	44	146.532	144.276	-2.256
50	45	156.023	147.536	-8.487
50	46	152.734	153.693	0.959
50	47	156.074	152.898	-3.176
Max		166.573	164.305	19.161
Average		152.670	153.579	0.909
Min		139.178	136.867	-17.795
Std Dev		6.409	6.429	8.315



8.13_EA_I_SOURCE_4V	
Test Site	
Tester	
Test Number	
Unit	uA
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	160.673	149.875	150.239	136.867	143.905	144.276	140.357
Average	160.673	155.424	155.004	149.452	150.338	148.935	155.245
Max	160.673	161.625	158.482	156.438	156.956	153.693	164.305
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

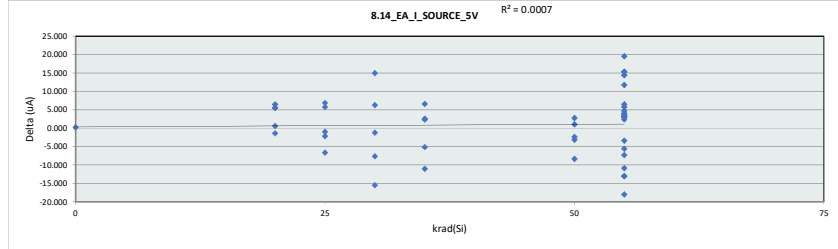


**HDR TID Report
TPS7H5007-SEP**

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

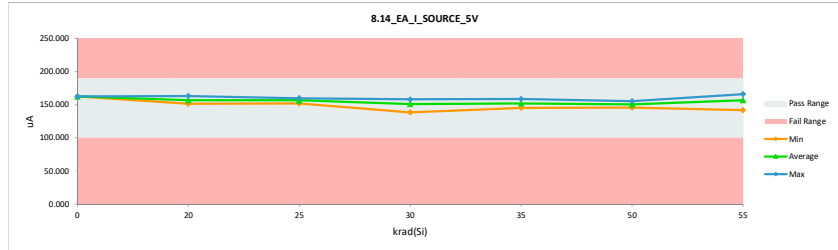
8.14_EA_I_SOURCE_5V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	190
Min Limit	100

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	162.265	162.438	0.173
25	1	158.208	157.173	-1.035
25	2	150.588	157.400	6.812
25	3	158.625	151.943	-6.682
25	4	154.270	159.947	5.677
25	5	158.549	156.343	-2.206
20	6	161.371	159.931	-1.440
20	7	156.949	163.372	6.423
20	8	151.421	156.879	5.458
20	9	150.838	151.383	0.545
20	10	148.081	153.568	5.487
35	11	145.941	148.478	2.537
35	12	156.512	145.438	-11.074
35	13	149.065	155.577	6.512
35	14	156.794	151.610	-5.184
35	15	156.313	158.590	2.277
30	16	143.069	157.991	14.922
30	17	154.181	138.608	-15.573
30	18	150.605	156.832	6.227
30	19	151.687	150.419	-1.268
30	20	159.487	151.818	-7.669
55	21	158.305	161.517	3.212
55	22	142.502	162.000	19.498
55	23	157.865	144.815	-13.050
55	24	156.977	160.335	3.358
55	25	166.565	160.916	-5.649
55	26	152.083	163.789	11.706
55	27	155.806	158.670	2.864
55	28	140.610	155.890	15.280
55	29	143.880	146.249	2.369
55	30	159.958	141.901	-18.057
55	31	156.139	161.871	5.732
55	32	153.397	156.559	3.162
55	33	153.427	157.428	4.001
55	34	164.808	153.920	-10.888
55	35	150.554	164.891	14.337
55	36	146.213	152.678	6.465
55	37	159.597	146.510	-13.087
55	38	164.264	160.831	-3.433
55	39	160.020	163.810	3.790
55	40	168.254	160.902	-7.352
55	41	150.894	166.170	15.276
55	42	146.466	151.116	4.650
50	43	145.057	147.758	2.701
50	44	148.179	145.758	-2.421
50	45	157.592	149.217	-8.375
50	46	154.308	155.308	1.000
50	47	157.669	154.476	-3.193
Max		168.254	166.170	19.498
Average		154.296	155.230	0.934
Min		140.610	138.608	-18.057
Std Dev		6.457	6.476	8.378



8.14_EA_I_SOURCE_5V	
Test Site	
Tester	
Test Number	
Unit	uA
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	162.438	151.383	151.943	138.608	145.438	145.758	141.901
Average	162.438	157.027	156.561	151.134	151.939	150.503	156.944
Max	162.438	163.372	159.947	157.991	158.590	155.308	166.170
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

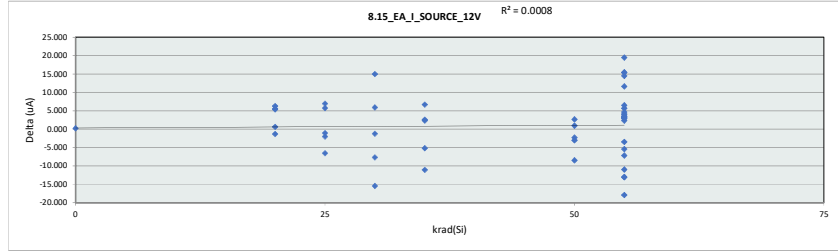


**HDR TID Report
TPS7H5007-SEP**

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

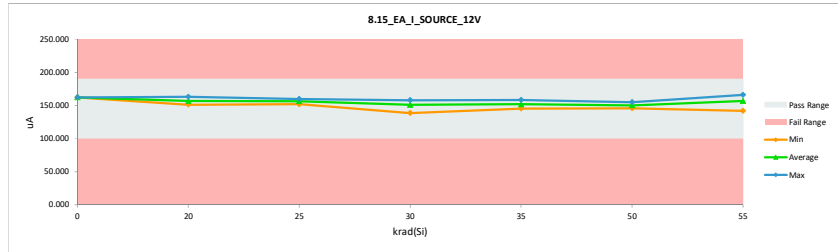
8.15_EA_I_SOURCE_12V	
Test Site	
Tester	
Test Number	
Unit	uA uA
Max Limit	190 190
Min Limit	100 100

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	162.313	162.475	0.162
25	1	158.327	157.193	-1.134
25	2	150.662	157.553	6.891
25	3	158.577	151.970	-6.607
25	4	154.315	159.981	5.666
25	5	158.459	156.392	-2.067
20	6	161.329	159.967	-1.362
20	7	156.935	163.145	6.210
20	8	151.428	156.923	5.495
20	9	150.811	151.382	0.571
20	10	148.197	153.502	5.305
35	11	146.062	148.597	2.535
35	12	156.642	145.521	-11.121
35	13	149.146	155.768	6.622
35	14	156.960	151.696	-5.264
35	15	156.285	158.556	2.271
30	16	143.163	158.068	14.905
30	17	154.268	138.745	-15.523
30	18	150.828	156.698	5.870
30	19	151.736	150.448	-1.288
30	20	159.569	151.822	-7.747
55	21	158.382	161.458	3.076
55	22	142.563	161.990	19.427
55	23	158.034	144.915	-13.119
55	24	157.069	160.430	3.361
55	25	166.480	161.011	-5.469
55	26	152.204	163.780	11.576
55	27	155.870	158.693	2.823
55	28	140.680	155.993	15.313
55	29	143.936	146.224	2.288
55	30	159.945	141.970	-17.975
55	31	156.318	161.920	5.602
55	32	153.404	156.701	3.297
55	33	153.489	157.571	4.082
55	34	164.916	153.884	-11.032
55	35	150.593	165.012	14.419
55	36	146.293	152.706	6.413
55	37	159.679	146.607	-13.072
55	38	164.290	160.752	-3.538
55	39	160.024	163.838	3.814
55	40	168.216	160.994	-7.222
55	41	150.893	166.292	15.399
55	42	146.471	151.051	4.580
50	43	145.119	147.718	2.599
50	44	148.168	145.824	-2.344
50	45	157.689	149.143	-8.546
50	46	154.456	155.351	0.895
50	47	157.612	154.521	-3.091
Max		168.216	166.292	19.427
Average		154.350	155.266	0.916
Min		140.680	138.745	-17.975
Std Dev		6.440	6.466	8.369



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

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	162.475	151.382	151.970	138.745	145.521	145.824	141.970
Average	162.475	156.984	156.618	151.156	152.028	150.511	156.991
Max	162.475	163.145	159.981	158.068	158.556	155.351	166.292
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

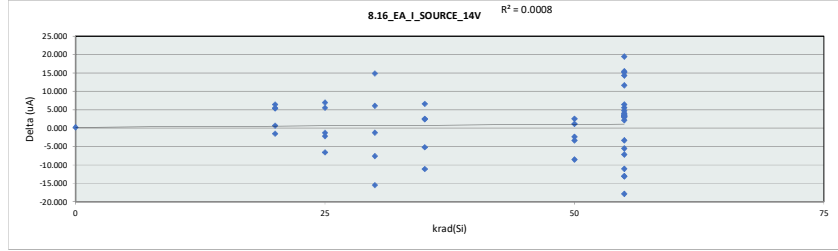


**HDR TID Report
TPS7H5007-SEP**

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

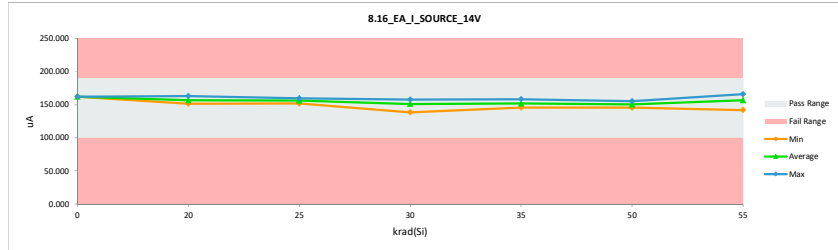
8.16_EA_I_SOURCE_14V	
Test Site	
Tester	
Test Number	
Unit	uA uA
Max Limit	190 190
Min Limit	100 100

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	162.148	162.320	0.172
25	1	158.331	157.061	-1.270
25	2	150.538	157.473	6.935
25	3	158.544	151.910	-6.634
25	4	154.241	159.756	5.515
25	5	158.467	156.278	-2.189
20	6	161.362	159.821	-1.541
20	7	156.772	163.165	6.393
20	8	151.435	156.752	5.317
20	9	150.690	151.331	0.641
20	10	148.047	153.454	5.407
35	11	145.936	148.449	2.513
35	12	156.525	145.394	-11.131
35	13	149.082	155.643	6.561
35	14	156.841	151.611	-5.230
35	15	156.219	158.580	2.361
30	16	143.127	157.935	14.808
30	17	154.143	138.620	-15.523
30	18	150.669	156.740	6.071
30	19	151.651	150.387	-1.264
30	20	159.387	151.738	-7.649
55	21	158.285	161.493	3.208
55	22	142.548	161.985	19.437
55	23	157.911	144.829	-13.082
55	24	156.956	160.414	3.458
55	25	166.367	160.809	-5.558
55	26	152.089	163.699	11.610
55	27	155.761	158.670	2.909
55	28	140.518	155.930	15.412
55	29	144.003	146.144	2.141
55	30	159.855	141.946	-17.909
55	31	156.227	161.768	5.541
55	32	153.327	156.524	3.197
55	33	153.374	157.384	4.010
55	34	164.908	153.819	-11.089
55	35	150.517	164.800	14.283
55	36	146.223	152.612	6.389
55	37	159.585	146.474	-13.111
55	38	164.050	160.720	-3.330
55	39	159.891	163.698	3.807
55	40	168.131	160.923	-7.208
55	41	150.820	165.985	15.165
55	42	146.288	151.003	4.715
50	43	145.144	147.671	2.527
50	44	148.106	145.718	-2.388
50	45	157.501	148.941	-8.560
50	46	154.254	155.378	1.124
50	47	157.492	154.130	-3.362
Max		168.131	165.985	19.437
Average		154.256	155.164	0.908
Min		140.518	138.620	-17.909
Std Dev		6.429	6.459	8.362



8.16_EA_I_SOURCE_14V	
Test Site	
Tester	
Test Number	
Unit	uA
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	162.320	151.331	151.910	138.620	145.394	145.718	141.946
Average	162.320	156.905	156.496	151.084	151.935	150.368	156.892
Max	162.320	163.165	159.756	157.935	158.580	155.378	165.985
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

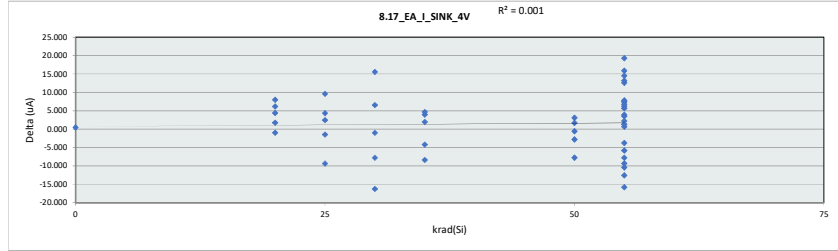


**HDR TID Report
TPS7H5007-SEP**

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

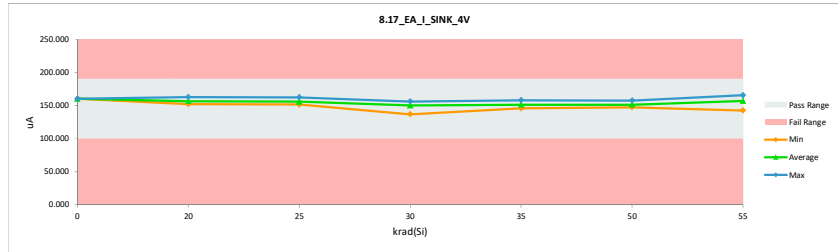
8.17_EA_I_SINK_4V	
Test Site	
Tester	
Test Number	
Unit	uA uA
Max Limit	190 190
Min Limit	100 100

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	160.004	160.453	0.449
25	1	154.177	156.598	2.421
25	2	149.515	153.830	4.315
25	3	160.894	151.521	-9.373
25	4	153.079	162.679	9.600
25	5	156.818	155.322	-1.496
20	6	160.041	159.080	-0.961
20	7	155.050	163.028	7.978
20	8	151.603	155.978	4.375
20	9	150.222	151.975	1.753
20	10	147.096	153.267	6.171
35	11	145.814	147.778	1.964
35	12	154.185	145.810	-8.375
35	13	148.879	153.537	4.658
35	14	156.064	151.862	-4.202
35	15	154.118	158.050	3.932
30	16	140.670	156.207	15.537
30	17	153.148	136.878	-16.270
30	18	149.644	156.181	6.537
30	19	150.754	149.747	-1.007
30	20	159.217	151.435	-7.782
55	21	157.986	161.890	3.904
55	22	142.618	161.882	19.264
55	23	154.375	145.046	-9.329
55	24	155.813	157.116	1.303
55	25	165.967	160.143	-5.824
55	26	149.373	163.864	14.491
55	27	154.136	156.336	2.200
55	28	141.749	154.918	13.169
55	29	144.375	147.884	3.509
55	30	158.485	142.687	-15.798
55	31	153.766	161.553	7.787
55	32	153.911	154.555	0.644
55	33	153.054	159.281	6.227
55	34	164.579	154.165	-10.414
55	35	149.221	165.065	15.844
55	36	145.119	152.514	7.395
55	37	158.931	146.339	-12.592
55	38	164.263	160.485	-3.778
55	39	158.808	164.465	5.657
55	40	167.478	159.696	-7.782
55	41	153.162	165.745	12.583
55	42	147.328	154.079	6.751
50	43	146.074	149.109	3.035
50	44	147.867	147.256	-0.611
50	45	156.888	149.112	-7.776
50	46	156.004	157.651	1.647
50	47	156.933	154.142	-2.791
Max		167.478	165.745	19.264
Average		153.526	154.962	1.436
Min		140.670	136.878	-16.270
Std Dev		6.243	6.317	8.245



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

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	160.453	151.975	151.521	136.878	145.810	147.256	142.687
Average	160.453	156.666	155.990	150.090	151.407	151.454	156.805
Max	160.453	163.028	162.679	156.207	158.050	157.651	165.745
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

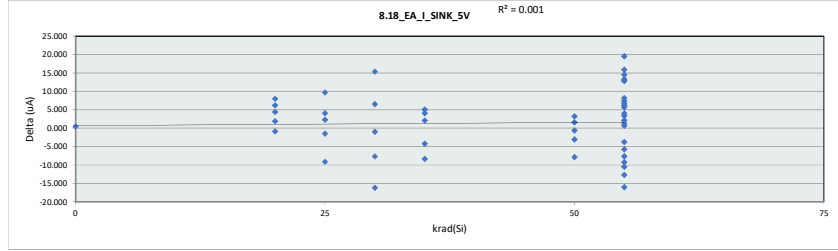


**HDR TID Report
TPS7H5007-SEP**

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

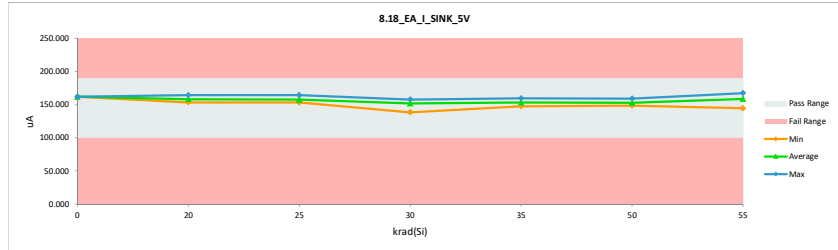
8.18_EA_I_SINK_5V	
Test Site	
Tester	
Test Number	
Unit	uA uA
Max Limit	190 190
Min Limit	100 100

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	161.821	162.257	0.436
25	1	155.998	158.255	2.257
25	2	151.362	155.386	4.024
25	3	162.630	153.454	-9.176
25	4	154.889	164.566	9.677
25	5	158.627	157.113	-1.514
20	6	161.827	160.915	-0.912
20	7	156.727	164.702	7.975
20	8	153.363	157.728	4.365
20	9	151.836	153.688	1.852
20	10	148.855	155.018	6.163
35	11	147.503	149.554	2.051
35	12	155.829	147.470	-8.359
35	13	150.446	155.484	5.038
35	14	157.577	153.505	-4.252
35	15	155.807	159.823	4.016
30	16	142.478	157.809	15.331
30	17	154.913	138.652	-16.261
30	18	151.498	158.011	6.513
30	19	152.527	151.500	-1.027
30	20	161.070	153.373	-7.697
55	21	159.713	163.693	3.980
55	22	144.330	163.820	19.490
55	23	156.160	146.863	-9.297
55	24	157.689	158.915	1.226
55	25	167.723	161.941	-5.782
55	26	151.148	165.662	14.514
55	27	155.993	158.068	2.075
55	28	143.397	156.678	13.281
55	29	146.140	149.456	3.316
55	30	160.497	144.432	-16.065
55	31	155.429	163.573	8.144
55	32	155.729	156.363	0.634
55	33	154.725	160.911	6.186
55	34	166.528	156.020	-10.508
55	35	151.022	166.862	15.840
55	36	146.881	154.276	7.395
55	37	160.801	148.059	-12.742
55	38	166.187	162.399	-3.788
55	39	160.745	166.364	5.619
55	40	169.408	161.730	-7.678
55	41	154.805	167.592	12.787
55	42	149.100	155.830	6.730
50	43	147.609	150.784	3.175
50	44	149.456	148.791	-0.665
50	45	158.608	150.712	-7.896
50	46	157.850	159.414	1.564
50	47	158.801	155.695	-3.106
Max		169.408	167.592	19.490
Average		155.297	156.733	1.436
Min		142.478	138.652	-16.261
Std Dev		6.295	6.362	8.281



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

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	162.257	153.688	153.454	138.652	147.470	148.791	144.432
Average	162.257	158.410	157.755	151.869	153.167	153.079	158.614
Max	162.257	164.702	164.566	158.011	159.823	159.414	167.592
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

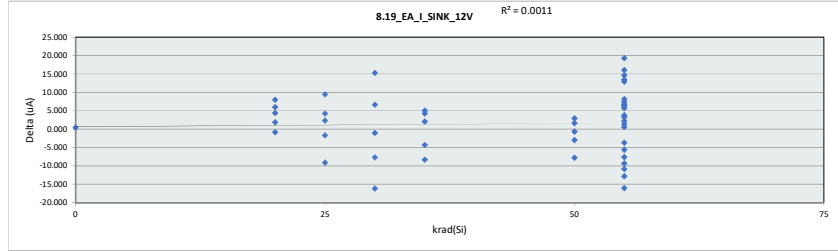


**HDR TID Report
TPS7H5007-SEP**

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

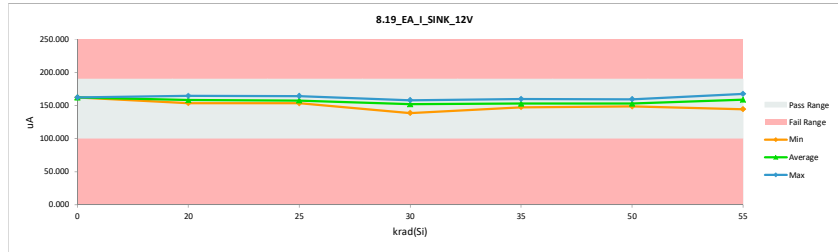
8.19_EA_I_SINK_12V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	190
Min Limit	100

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	161.960	162.361	0.401
25	1	156.100	158.399	2.299
25	2	151.369	155.546	4.177
25	3	162.648	153.489	-9.159
25	4	154.977	164.398	9.421
25	5	158.796	157.058	-1.738
20	6	161.888	160.997	-0.891
20	7	156.740	164.709	7.969
20	8	153.432	157.773	4.341
20	9	151.914	153.743	1.829
20	10	149.040	154.988	5.948
35	11	147.604	149.635	2.031
35	12	155.955	147.597	-8.358
35	13	150.615	155.624	5.009
35	14	157.966	153.642	-4.324
35	15	155.834	160.022	4.188
30	16	142.676	157.932	15.256
30	17	155.025	138.820	-16.205
30	18	151.514	158.130	6.616
30	19	152.680	151.601	-1.079
30	20	161.178	153.472	-7.706
55	21	159.835	163.586	3.751
55	22	144.406	163.650	19.244
55	23	156.282	146.922	-9.360
55	24	157.822	159.140	1.318
55	25	167.822	162.189	-5.633
55	26	151.247	165.867	14.620
55	27	156.029	158.223	2.194
55	28	143.403	156.836	13.433
55	29	146.249	149.452	3.203
55	30	160.552	144.501	-16.051
55	31	155.594	163.713	8.119
55	32	155.851	156.403	0.552
55	33	154.824	161.149	6.325
55	34	166.708	155.836	-10.872
55	35	151.128	167.105	15.977
55	36	146.993	154.317	7.324
55	37	160.923	148.095	-12.828
55	38	166.237	162.480	-3.757
55	39	160.765	166.444	5.679
55	40	169.452	161.832	-7.620
55	41	154.864	167.766	12.902
55	42	149.159	155.824	6.665
50	43	147.875	150.751	2.876
50	44	149.537	148.843	-0.694
50	45	158.747	150.905	-7.842
50	46	157.900	159.483	1.583
50	47	158.711	155.712	-2.999
Max		169.452	167.766	19.244
Average		155.392	156.812	1.419
Min		142.676	138.820	-16.205
Std Dev		6.285	6.367	8.285



8.19_EA_I_SINK_12V	
Test Site	
Tester	
Test Number	
Unit	uA
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	162.361	153.743	153.489	138.820	147.597	148.843	144.501
Average	162.361	158.442	157.778	151.991	153.304	153.139	158.697
Max	162.361	164.709	164.398	158.130	160.022	159.483	167.766
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

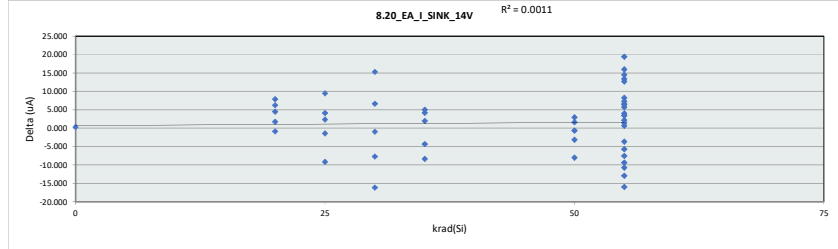


**HDR TID Report
TPS7H5007-SEP**

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

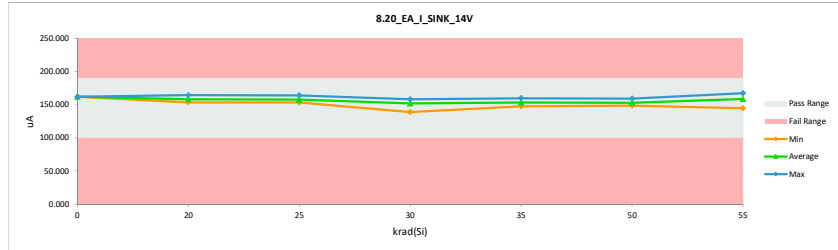
8.20_EA_I_SINK_14V	
Test Site	
Tester	
Test Number	
Unit	uA uA
Max Limit	190 190
Min Limit	100 100

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	161.804	162.091	0.287
25	1	155.950	158.281	2.331
25	2	151.341	155.431	4.090
25	3	162.612	153.417	-9.195
25	4	154.843	164.254	9.411
25	5	158.589	157.123	-1.466
20	6	161.631	160.708	-0.923
20	7	156.653	164.509	7.856
20	8	153.241	157.707	4.466
20	9	151.993	153.711	1.718
20	10	148.870	155.079	6.209
35	11	147.535	149.481	1.946
35	12	155.899	147.552	-8.347
35	13	150.595	155.584	4.989
35	14	157.867	153.522	-4.345
35	15	155.756	159.910	4.154
30	16	142.595	157.856	15.261
30	17	154.937	138.761	-16.176
30	18	151.414	158.041	6.627
30	19	152.574	151.575	-0.999
30	20	161.061	153.331	-7.730
55	21	159.705	163.690	3.985
55	22	144.349	163.737	19.388
55	23	156.258	146.873	-9.385
55	24	157.737	159.181	1.444
55	25	167.668	161.952	-5.716
55	26	151.175	165.655	14.480
55	27	155.918	158.080	2.162
55	28	143.373	156.736	13.363
55	29	145.983	149.382	3.399
55	30	160.450	144.453	-15.997
55	31	155.538	163.714	8.176
55	32	155.718	156.355	0.637
55	33	154.713	161.088	6.375
55	34	166.496	155.741	-10.755
55	35	150.987	166.901	15.914
55	36	146.904	154.195	7.291
55	37	160.866	147.901	-12.965
55	38	166.090	162.422	-3.668
55	39	160.603	166.274	5.671
55	40	169.321	161.760	-7.561
55	41	154.853	167.548	12.695
55	42	149.148	155.701	6.553
50	43	147.732	150.645	2.913
50	44	149.506	148.823	-0.683
50	45	158.679	150.638	-8.041
50	46	157.810	159.434	1.624
50	47	158.608	155.443	-3.165
Max		169.321	167.548	19.388
Average		155.291	156.713	1.423
Min		142.595	138.761	-16.176
Std Dev		6.265	6.351	8.283



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

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	162.091	153.711	153.417	138.761	147.552	148.823	144.453
Average	162.091	158.343	157.701	151.913	153.210	152.997	158.606
Max	162.091	164.509	164.254	158.041	159.910	159.434	167.548
UL	190.000	190.000	190.000	190.000	190.000	190.000	190.000

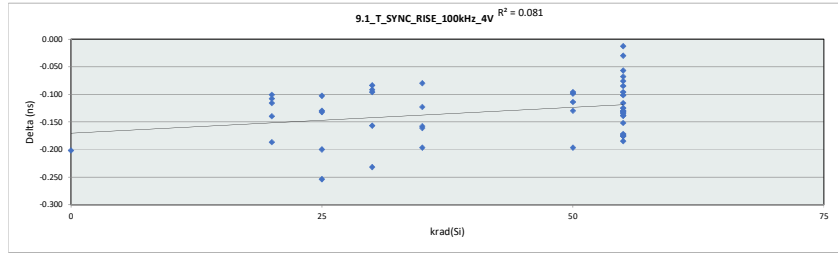


**HDR TID Report
TPS7H5007-SEP**

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

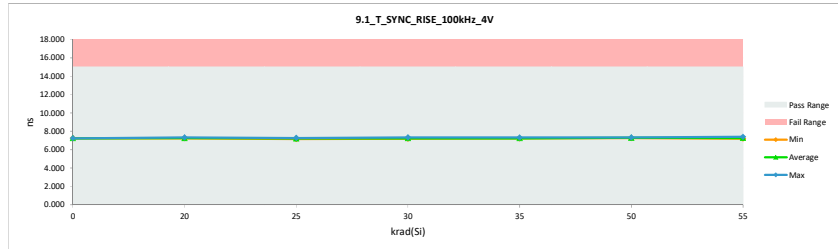
9.1_T_SYNC_RISE_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.442	7.240	-0.202
25	1	7.425	7.225	-0.200
25	2	7.410	7.278	-0.132
25	3	7.373	7.270	-0.103
25	4	7.359	7.229	-0.130
25	5	7.409	7.155	-0.254
20	6	7.445	7.258	-0.187
20	7	7.440	7.332	-0.108
20	8	7.358	7.257	-0.101
20	9	7.371	7.231	-0.140
20	10	7.353	7.237	-0.116
35	11	7.373	7.250	-0.123
35	12	7.396	7.316	-0.080
35	13	7.385	7.224	-0.161
35	14	7.379	7.221	-0.158
35	15	7.447	7.250	-0.197
30	16	7.326	7.234	-0.092
30	17	7.348	7.191	-0.157
30	18	7.420	7.188	-0.232
30	19	7.431	7.335	-0.096
30	20	7.395	7.311	-0.084
55	21	7.344	7.287	-0.057
55	22	7.383	7.244	-0.139
55	23	7.404	7.274	-0.130
55	24	7.368	7.243	-0.125
55	25	7.411	7.276	-0.135
55	26	7.359	7.329	-0.030
55	27	7.407	7.231	-0.176
55	28	7.360	7.264	-0.096
55	29	7.381	7.248	-0.133
55	30	7.370	7.302	-0.068
55	31	7.419	7.280	-0.139
55	32	7.418	7.287	-0.131
55	33	7.386	7.301	-0.085
55	34	7.380	7.204	-0.176
55	35	7.352	7.276	-0.076
55	36	7.372	7.256	-0.116
55	37	7.423	7.238	-0.185
55	38	7.409	7.257	-0.152
55	39	7.434	7.260	-0.174
55	40	7.437	7.265	-0.172
55	41	7.435	7.333	-0.102
55	42	7.409	7.396	-0.013
50	43	7.389	7.290	-0.099
50	44	7.402	7.306	-0.096
50	45	7.456	7.259	-0.197
50	46	7.441	7.311	-0.130
50	47	7.446	7.332	-0.114
Max		7.456	7.396	-0.013
Average		7.398	7.266	-0.131
Min		7.326	7.155	-0.254
Std Dev		0.033	0.045	0.049



9.1_T_SYNC_RISE_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 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	7.240	7.231	7.155	7.188	7.221	7.259	7.204
Average	7.240	7.263	7.231	7.252	7.252	7.300	7.275
Max	7.240	7.332	7.278	7.335	7.316	7.332	7.396
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

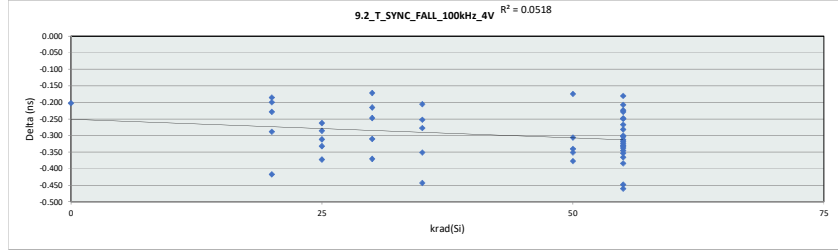


**HDR TID Report
TPS7H5007-SEP**

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

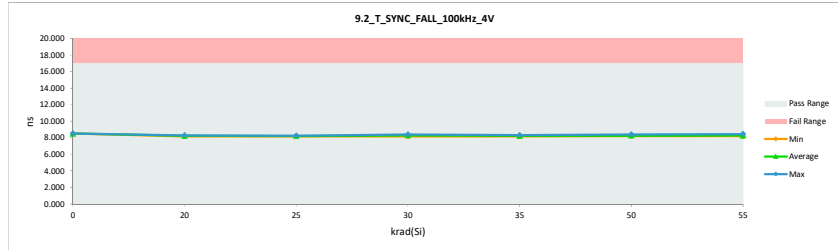
9.2_T_SYNC_FALL_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.713	8.510	-0.203
25	1	8.559	8.186	-0.373
25	2	8.501	8.238	-0.263
25	3	8.523	8.211	-0.312
25	4	8.536	8.250	-0.286
25	5	8.534	8.201	-0.333
20	6	8.478	8.249	-0.229
20	7	8.484	8.298	-0.186
20	8	8.511	8.222	-0.289
20	9	8.496	8.296	-0.200
20	10	8.580	8.152	-0.418
35	11	8.586	8.308	-0.278
35	12	8.527	8.321	-0.206
35	13	8.520	8.168	-0.352
35	14	8.633	8.189	-0.444
35	15	8.546	8.293	-0.253
30	16	8.546	8.175	-0.371
30	17	8.530	8.314	-0.216
30	18	8.567	8.256	-0.311
30	19	8.565	8.393	-0.172
30	20	8.571	8.323	-0.248
55	21	8.605	8.281	-0.324
55	22	8.553	8.223	-0.330
55	23	8.574	8.256	-0.318
55	24	8.551	8.269	-0.282
55	25	8.575	8.262	-0.313
55	26	8.577	8.244	-0.333
55	27	8.543	8.239	-0.304
55	28	8.560	8.259	-0.301
55	29	8.653	8.268	-0.385
55	30	8.526	8.345	-0.181
55	31	8.586	8.240	-0.346
55	32	8.539	8.331	-0.208
55	33	8.510	8.286	-0.224
55	34	8.548	8.194	-0.354
55	35	8.565	8.199	-0.366
55	36	8.537	8.288	-0.249
55	37	8.524	8.274	-0.250
55	38	8.550	8.212	-0.338
55	39	8.733	8.272	-0.461
55	40	8.628	8.399	-0.229
55	41	8.755	8.306	-0.449
55	42	8.706	8.438	-0.268
50	43	8.569	8.394	-0.175
50	44	8.524	8.217	-0.307
50	45	8.599	8.221	-0.378
50	46	8.590	8.249	-0.341
50	47	8.604	8.252	-0.352
Max		8.755	8.510	-0.172
Average		8.569	8.270	-0.298
Min		8.478	8.162	-0.461
Std Dev		0.061	0.071	0.075



9.2_T_SYNC_FALL_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 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	8.510	8.162	8.186	8.175	8.168	8.217	8.194
Average	8.510	8.245	8.217	8.292	8.256	8.267	8.277
Max	8.510	8.298	8.250	8.393	8.321	8.394	8.438
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

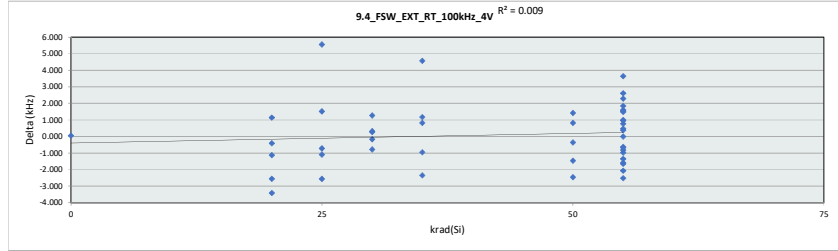


**HDR TID Report
TPS7H5007-SEP**

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

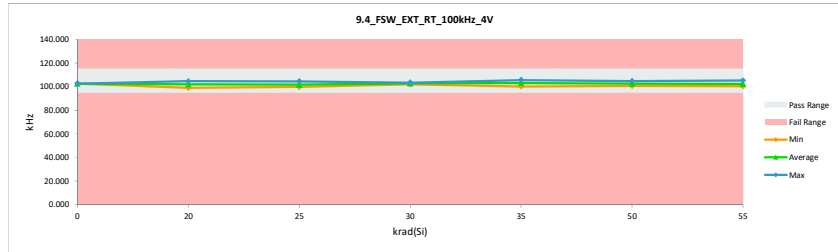
9.4_FSW_EXT_RT_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	115
Min Limit	95

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	102.676	102.719	0.043
25	1	99.943	101.453	1.510
25	2	100.634	99.911	-0.723
25	3	101.461	100.365	-1.096
25	4	104.541	101.972	-2.569
25	5	99.001	104.549	5.548
20	6	101.596	99.034	-2.562
20	7	100.329	101.461	1.132
20	8	104.084	100.664	-3.420
20	9	104.367	103.953	-0.414
20	10	105.767	104.638	-1.129
35	11	104.886	105.692	0.806
35	12	100.280	104.839	4.559
35	13	102.569	100.210	-2.359
35	14	101.429	102.598	1.169
35	15	102.833	101.872	-0.961
30	16	102.723	102.992	0.269
30	17	102.854	103.164	0.310
30	18	102.281	103.544	1.263
30	19	102.771	101.980	-0.791
30	20	102.723	102.546	-0.177
55	21	102.555	102.934	0.379
55	22	100.939	102.414	1.475
55	23	99.643	101.483	1.840
55	24	102.535	100.465	-2.070
55	25	102.006	102.965	0.959
55	26	101.223	102.746	1.523
55	27	103.558	101.030	-2.528
55	28	102.095	104.372	2.277
55	29	100.584	102.183	1.599
55	30	101.947	100.591	-1.356
55	31	101.840	102.306	0.466
55	32	101.904	101.891	-0.013
55	33	103.391	101.735	-1.656
55	34	101.939	102.697	0.758
55	35	102.569	101.937	-0.632
55	36	102.397	103.387	0.990
55	37	103.760	102.941	-0.819
55	38	105.176	103.582	-1.594
55	39	101.616	105.254	3.638
55	40	101.961	101.284	-0.677
55	41	103.038	102.064	-0.974
55	42	100.464	103.071	2.607
50	43	103.158	100.695	-2.463
50	44	104.108	102.636	-1.472
50	45	102.265	103.672	1.407
50	46	103.921	104.733	0.812
50	47	102.281	101.916	-0.365
Max		105.767	105.692	5.548
Average		102.346	102.440	0.094
Min		99.001	99.034	-3.420
Std Dev		1.458	1.468	1.865



9.4_FSW_EXT_RT_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	102.719	99.034	99.911	101.980	100.210	100.695	100.465
Average	102.719	101.950	101.650	102.845	103.042	102.730	102.424
Max	102.719	104.638	104.549	103.544	105.692	104.733	105.254
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000

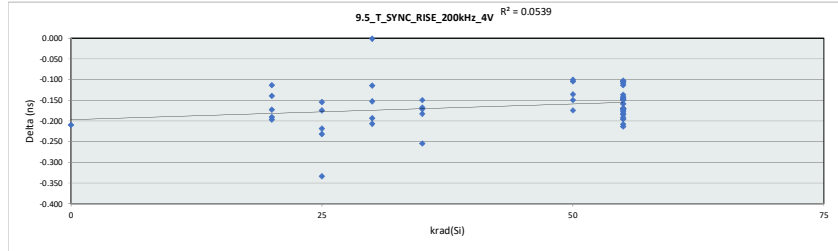


**HDR TID Report
TPS7H5007-SEP**

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

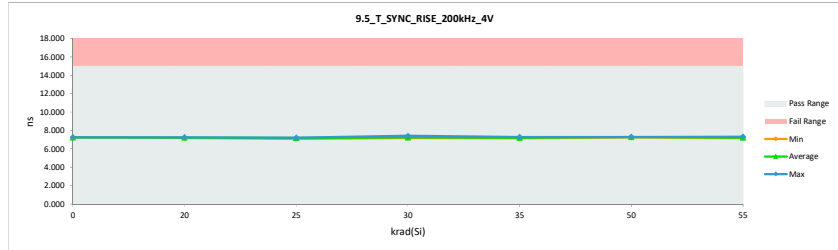
9.5_T_SYNC_RISE_200kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	15
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	7.446	7.236		-0.210
25	1	7.408	7.176		-0.232
25	2	7.402	7.183		-0.219
25	3	7.376	7.201		-0.175
25	4	7.339	7.184		-0.155
25	5	7.422	7.088		-0.334
20	6	7.410	7.219		-0.191
20	7	7.444	7.247		-0.197
20	8	7.333	7.219		-0.114
20	9	7.356	7.216		-0.140
20	10	7.350	7.177		-0.173
35	11	7.384	7.216		-0.168
35	12	7.395	7.212		-0.183
35	13	7.358	7.186		-0.172
35	14	7.398	7.143		-0.255
35	15	7.425	7.275		-0.150
30	16	7.345	7.230		-0.115
30	17	7.341	7.188		-0.153
30	18	7.424	7.217		-0.207
30	19	7.414	7.412		-0.002
30	20	7.401	7.207		-0.194
55	21	7.346	7.196		-0.150
55	22	7.380	7.210		-0.170
55	23	7.422	7.208		-0.214
55	24	7.350	7.236		-0.114
55	25	7.400	7.241		-0.159
55	26	7.348	7.243		-0.105
55	27	7.370	7.227		-0.143
55	28	7.378	7.205		-0.173
55	29	7.362	7.216		-0.146
55	30	7.370	7.200		-0.170
55	31	7.400	7.192		-0.208
55	32	7.371	7.234		-0.137
55	33	7.370	7.193		-0.177
55	34	7.371	7.201		-0.170
55	35	7.337	7.234		-0.103
55	36	7.347	7.198		-0.149
55	37	7.387	7.191		-0.196
55	38	7.405	7.213		-0.192
55	39	7.419	7.247		-0.172
55	40	7.425	7.243		-0.182
55	41	7.439	7.254		-0.185
55	42	7.416	7.307		-0.109
50	43	7.386	7.285		-0.101
50	44	7.398	7.248		-0.150
50	45	7.433	7.258		-0.175
50	46	7.391	7.286		-0.105
50	47	7.426	7.290		-0.136
50	48	7.446	7.412		-0.002
50	49	7.388	7.223		-0.165
50	50	7.333	7.088		-0.334
50	51	0.032	0.047		0.049



9.5_T_SYNC_RISE_200kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	15
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	7.236	7.177	7.088	7.188	7.143	7.248	7.191
Average	7.236	7.216	7.166	7.251	7.206	7.273	7.222
Max	7.236	7.247	7.201	7.412	7.275	7.290	7.307
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

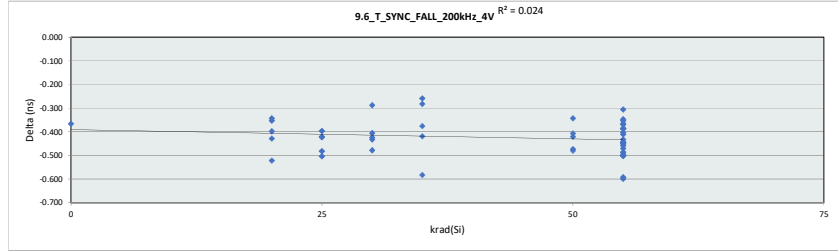


**HDR TID Report
TPS7H5007-SEP**

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

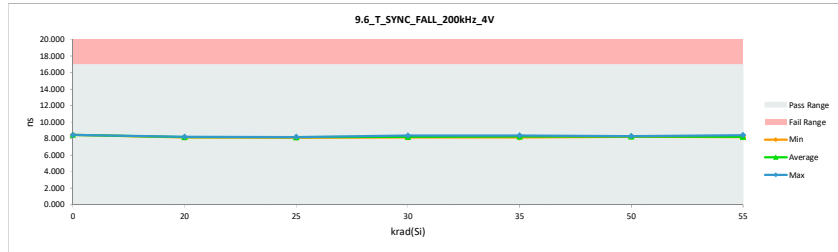
9.6_T_SYNC_FALL_200kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.818	8.451	-0.367
25	1	8.629	8.146	-0.483
25	2	8.596	8.198	-0.398
25	3	8.606	8.184	-0.422
25	4	8.628	8.204	-0.424
25	5	8.628	8.123	-0.505
20	6	8.561	8.217	-0.344
20	7	8.578	8.224	-0.354
20	8	8.614	8.184	-0.430
20	9	8.603	8.204	-0.399
20	10	8.665	8.142	-0.523
35	11	8.668	8.291	-0.377
35	12	8.638	8.378	-0.260
35	13	8.596	8.176	-0.420
35	14	8.740	8.156	-0.584
35	15	8.641	8.358	-0.283
30	16	8.635	8.156	-0.479
30	17	8.633	8.208	-0.425
30	18	8.643	8.236	-0.407
30	19	8.656	8.367	-0.289
30	20	8.660	8.227	-0.433
55	21	8.683	8.238	-0.445
55	22	8.646	8.257	-0.389
55	23	8.674	8.172	-0.502
55	24	8.641	8.189	-0.452
55	25	8.656	8.223	-0.433
55	26	8.656	8.252	-0.404
55	27	8.622	8.210	-0.412
55	28	8.660	8.215	-0.445
55	29	8.742	8.246	-0.496
55	30	8.604	8.297	-0.307
55	31	8.676	8.172	-0.504
55	32	8.610	8.262	-0.348
55	33	8.607	8.236	-0.371
55	34	8.642	8.182	-0.460
55	35	8.646	8.174	-0.472
55	36	8.634	8.280	-0.354
55	37	8.638	8.251	-0.387
55	38	8.653	8.166	-0.487
55	39	8.834	8.241	-0.593
55	40	8.727	8.361	-0.366
55	41	8.848	8.248	-0.600
55	42	8.811	8.424	-0.387
50	43	8.665	8.321	-0.344
50	44	8.620	8.212	-0.408
50	45	8.685	8.211	-0.474
50	46	8.686	8.264	-0.422
50	47	8.707	8.226	-0.481
	Max	8.848	8.451	-0.260
	Average	8.661	8.237	-0.424
	Min	8.561	8.123	-0.600
	Std Dev	0.063	0.073	0.075



9.6_T_SYNC_FALL_200kHz_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	8.451	8.142	8.123	8.156	8.156	8.211	8.166
Average	8.451	8.194	8.171	8.239	8.272	8.247	8.241
Max	8.451	8.224	8.204	8.367	8.378	8.321	8.424
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

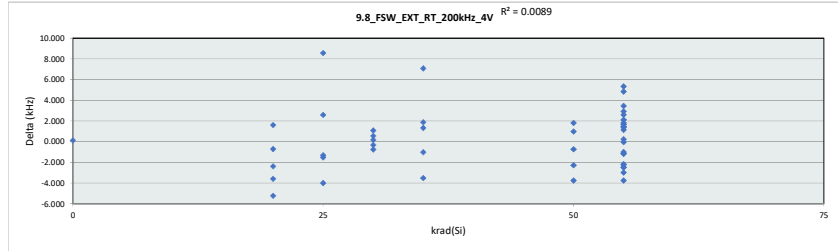


**HDR TID Report
TPS7H5007-SEP**

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

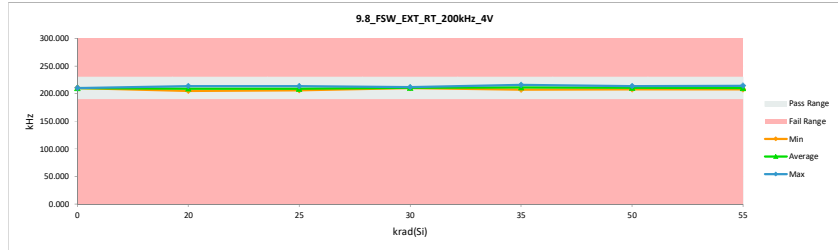
9.8_FSW_EXT_RT_200kHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	230
Min Limit	190

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	210.269	210.379		0.110
25	1	206.270	208.846		2.576
25	2	207.608	206.279		-1.329
25	3	208.670	207.136		-1.534
25	4	213.552	209.527		-4.025
25	5	204.982	213.530		8.548
20	6	208.591	204.985		-3.606
20	7	206.924	208.512		1.588
20	8	212.702	207.452		-5.250
20	9	213.203	212.483		-0.720
20	10	216.054	213.653		-2.401
35	11	214.552	215.863		1.311
35	12	207.309	214.376		7.067
35	13	210.695	207.157		-3.538
35	14	208.860	210.719		1.859
35	15	210.512	209.474		-1.038
30	16	210.727	210.879		0.152
30	17	210.814	211.352		0.538
30	18	210.616	211.682		1.066
30	19	210.781	209.999		-0.782
30	20	210.846	210.513		-0.333
55	21	210.893	211.116		0.223
55	22	207.727	210.633		2.906
55	23	206.706	208.503		1.797
55	24	210.154	207.914		-2.240
55	25	209.761	210.892		1.131
55	26	208.409	210.993		2.584
55	27	211.836	208.060		-3.776
55	28	209.692	213.119		3.427
55	29	207.741	209.835		2.094
55	30	210.219	207.717		-2.502
55	31	209.283	210.723		1.440
55	32	209.408	209.343		-0.065
55	33	212.263	209.266		-2.997
55	34	209.670	211.337		1.667
55	35	210.708	209.514		-1.194
55	36	210.563	211.925		1.362
55	37	212.548	211.386		-1.162
55	38	214.604	212.111		-2.493
55	39	209.256	214.571		5.315
55	40	209.720	208.696		-1.024
55	41	212.034	209.836		-2.198
55	42	207.312	212.137		4.825
50	43	211.497	207.713		-3.784
50	44	212.889	210.590		-2.299
50	45	210.270	212.066		1.796
50	46	212.763	213.728		0.965
50	47	210.292	209.544		-0.748
	Max	216.054	215.863		8.548
	Average	210.266	210.376		0.111
	Min	204.982	204.985		-5.250
	Std Dev	2.295	2.280		2.871



9.8_FSW_EXT_RT_200kHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	210.379	204.985	206.279	209.999	207.157	207.713	207.717
Average	210.379	209.417	209.064	210.885	211.518	213.728	210.438
Max	210.379	213.653	213.530	211.682	215.863	213.728	214.571
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000

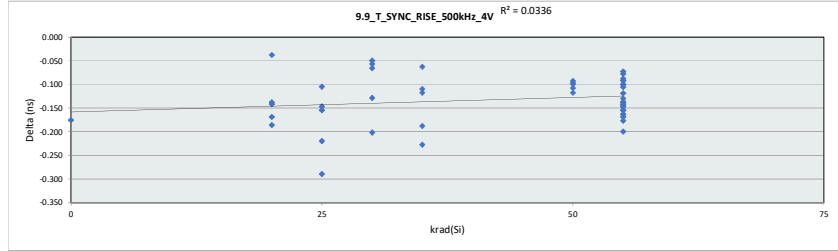


**HDR TID Report
TPS7H5007-SEP**

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

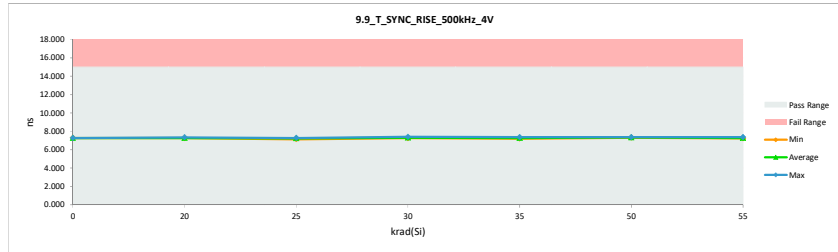
9.9_T_SYNC_RISE_500kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.448	7.272	-0.176
25	1	7.458	7.238	-0.220
25	2	7.426	7.279	-0.147
25	3	7.392	7.287	-0.105
25	4	7.371	7.216	-0.155
25	5	7.430	7.140	-0.290
20	6	7.430	7.261	-0.169
20	7	7.479	7.293	-0.186
20	8	7.372	7.334	-0.038
20	9	7.389	7.251	-0.138
20	10	7.389	7.247	-0.142
35	11	7.436	7.318	-0.118
35	12	7.418	7.355	-0.063
35	13	7.385	7.275	-0.110
35	14	7.402	7.214	-0.188
35	15	7.494	7.266	-0.228
30	16	7.367	7.310	-0.057
30	17	7.374	7.245	-0.129
30	18	7.472	7.270	-0.202
30	19	7.438	7.388	-0.050
30	20	7.415	7.349	-0.066
55	21	7.409	7.321	-0.088
55	22	7.398	7.250	-0.148
55	23	7.425	7.248	-0.177
55	24	7.388	7.287	-0.101
55	25	7.430	7.230	-0.200
55	26	7.389	7.259	-0.130
55	27	7.402	7.239	-0.163
55	28	7.404	7.298	-0.106
55	29	7.399	7.262	-0.137
55	30	7.389	7.247	-0.142
55	31	7.411	7.273	-0.138
55	32	7.409	7.317	-0.092
55	33	7.401	7.301	-0.100
55	34	7.407	7.252	-0.155
55	35	7.377	7.258	-0.119
55	36	7.374	7.282	-0.092
55	37	7.455	7.291	-0.164
55	38	7.435	7.266	-0.169
55	39	7.440	7.362	-0.078
55	40	7.452	7.307	-0.145
55	41	7.451	7.296	-0.155
55	42	7.434	7.361	-0.073
50	43	7.413	7.320	-0.093
50	44	7.418	7.310	-0.108
50	45	7.463	7.345	-0.118
50	46	7.450	7.350	-0.100
50	47	7.445	7.348	-0.097
Max		7.494	7.388	-0.038
Average		7.418	7.285	-0.133
Min		7.367	7.140	-0.290
Std Dev		0.031	0.047	0.050



9.9_T_SYNC_RISE_500kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 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	7.272	7.247	7.140	7.245	7.214	7.310	7.230
Average	7.272	7.277	7.232	7.312	7.286	7.335	7.282
Max	7.272	7.334	7.287	7.388	7.355	7.350	7.362
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

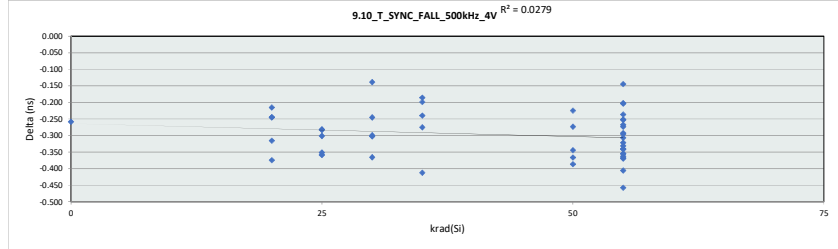


**HDR TID Report
TPS7H5007-SEP**

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

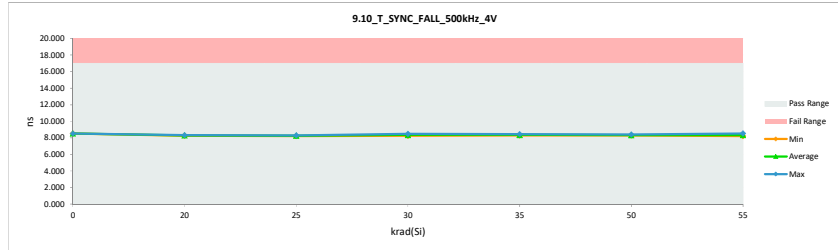
9.10_T_SYNC_FALL_500kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	8.782	8.523	-0.259
25	1	8.614	8.262	-0.352
25	2	8.568	8.266	-0.302
25	3	8.561	8.278	-0.283
25	4	8.582	8.300	-0.282
25	5	8.583	8.224	-0.359
20	6	8.537	8.292	-0.245
20	7	8.536	8.320	-0.216
20	8	8.579	8.263	-0.316
20	9	8.570	8.324	-0.246
20	10	8.639	8.264	-0.375
35	11	8.630	8.444	-0.186
35	12	8.594	8.395	-0.199
35	13	8.575	8.299	-0.276
35	14	8.702	8.289	-0.413
35	15	8.598	8.358	-0.240
30	16	8.605	8.239	-0.366
30	17	8.596	8.296	-0.300
30	18	8.623	8.320	-0.303
30	19	8.611	8.472	-0.139
30	20	8.644	8.398	-0.246
55	21	8.644	8.322	-0.322
55	22	8.610	8.342	-0.268
55	23	8.636	8.281	-0.355
55	24	8.602	8.295	-0.307
55	25	8.623	8.282	-0.341
55	26	8.614	8.318	-0.296
55	27	8.591	8.298	-0.293
55	28	8.618	8.262	-0.356
55	29	8.693	8.330	-0.363
55	30	8.555	8.410	-0.145
55	31	8.648	8.280	-0.368
55	32	8.587	8.383	-0.204
55	33	8.567	8.293	-0.274
55	34	8.595	8.225	-0.370
55	35	8.617	8.285	-0.332
55	36	8.601	8.349	-0.252
55	37	8.590	8.337	-0.253
55	38	8.621	8.279	-0.342
55	39	8.791	8.385	-0.406
55	40	8.680	8.477	-0.203
55	41	8.809	8.351	-0.458
55	42	8.772	8.535	-0.237
50	43	8.630	8.405	-0.225
50	44	8.581	8.307	-0.274
50	45	8.669	8.282	-0.387
50	46	8.649	8.304	-0.345
50	47	8.657	8.290	-0.367
	Max	8.809	8.535	-0.139
	Average	8.625	8.328	-0.297
	Min	8.536	8.224	-0.458
	Std Dev	0.062	0.072	0.071



9.10_T_SYNC_FALL_500kHz_4	
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	8.523	8.263	8.224	8.239	8.289	8.282	8.225
Average	8.523	8.293	8.266	8.345	8.357	8.318	8.333
Max	8.523	8.324	8.300	8.472	8.444	8.405	8.535
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

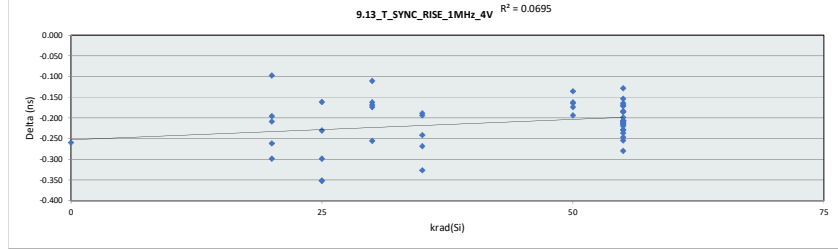


**HDR TID Report
TPS7H5007-SEP**

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

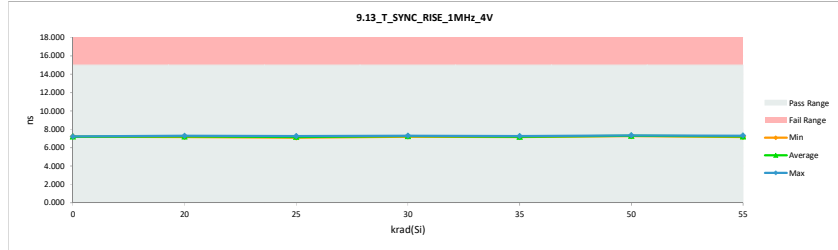
9.13_T_SYNC_RISE_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.477	7.217	-0.260
25	1	7.472	7.120	-0.352
25	2	7.468	7.169	-0.299
25	3	7.419	7.257	-0.162
25	4	7.396	7.165	-0.231
25	5	7.453	7.101	-0.352
20	6	7.477	7.281	-0.196
20	7	7.534	7.235	-0.299
20	8	7.388	7.290	-0.098
20	9	7.429	7.167	-0.262
20	10	7.380	7.171	-0.209
35	11	7.441	7.199	-0.242
35	12	7.444	7.250	-0.194
35	13	7.415	7.226	-0.189
35	14	7.420	7.151	-0.269
35	15	7.510	7.183	-0.327
30	16	7.378	7.267	-0.111
30	17	7.393	7.224	-0.169
30	18	7.466	7.210	-0.256
30	19	7.471	7.297	-0.174
30	20	7.437	7.274	-0.163
55	21	7.419	7.254	-0.165
55	22	7.433	7.178	-0.255
55	23	7.446	7.216	-0.230
55	24	7.411	7.282	-0.129
55	25	7.448	7.168	-0.280
55	26	7.418	7.202	-0.216
55	27	7.438	7.201	-0.237
55	28	7.420	7.200	-0.220
55	29	7.412	7.205	-0.207
55	30	7.402	7.187	-0.215
55	31	7.460	7.274	-0.186
55	32	7.439	7.192	-0.247
55	33	7.402	7.217	-0.185
55	34	7.419	7.265	-0.154
55	35	7.400	7.193	-0.207
55	36	7.414	7.230	-0.184
55	37	7.467	7.257	-0.210
55	38	7.445	7.246	-0.199
55	39	7.477	7.265	-0.212
55	40	7.483	7.311	-0.172
55	41	7.477	7.248	-0.229
55	42	7.454	7.285	-0.169
50	43	7.435	7.261	-0.174
50	44	7.443	7.249	-0.194
50	45	7.499	7.334	-0.165
50	46	7.475	7.339	-0.136
50	47	7.504	7.341	-0.163
Max		7.534	7.341	-0.098
Average		7.442	7.230	-0.212
Min		7.378	7.101	-0.352
Std Dev		0.036	0.054	0.057



9.13_T_SYNC_RISE_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 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	7.217	7.167	7.101	7.210	7.151	7.249	7.168
Average	7.217	7.229	7.162	7.254	7.202	7.305	7.231
Max	7.217	7.290	7.257	7.297	7.250	7.341	7.311
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

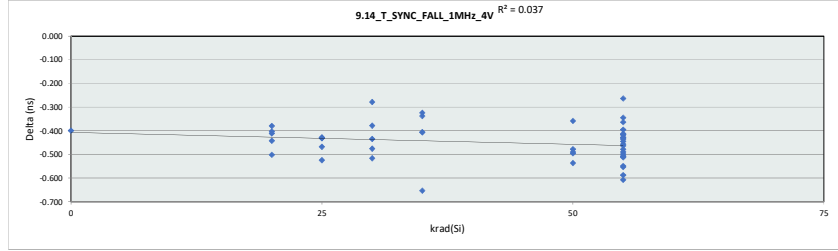


**HDR TID Report
TPS7H5007-SEP**

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

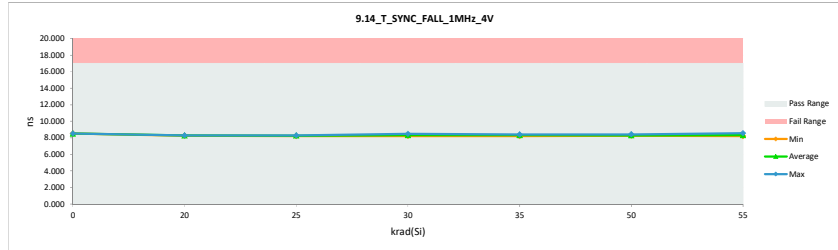
9.14_T_SYNC_FALL_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.921	8.521	-0.400
25	1	8.762	8.294	-0.468
25	2	8.693	8.263	-0.430
25	3	8.710	8.281	-0.429
25	4	8.728	8.296	-0.432
25	5	8.726	8.201	-0.525
20	6	8.660	8.248	-0.412
20	7	8.675	8.295	-0.380
20	8	8.722	8.279	-0.443
20	9	8.697	8.294	-0.403
20	10	8.791	8.289	-0.502
35	11	8.774	8.367	-0.407
35	12	8.733	8.395	-0.338
35	13	8.712	8.306	-0.406
35	14	8.853	8.199	-0.654
35	15	8.732	8.408	-0.324
30	16	8.741	8.224	-0.517
30	17	8.726	8.291	-0.435
30	18	8.758	8.282	-0.476
30	19	8.751	8.472	-0.279
30	20	8.765	8.386	-0.379
55	21	8.773	8.345	-0.428
55	22	8.740	8.344	-0.396
55	23	8.770	8.216	-0.554
55	24	8.736	8.228	-0.508
55	25	8.761	8.304	-0.457
55	26	8.752	8.335	-0.417
55	27	8.734	8.289	-0.445
55	28	8.764	8.265	-0.499
55	29	8.856	8.248	-0.608
55	30	8.710	8.446	-0.264
55	31	8.787	8.323	-0.464
55	32	8.740	8.323	-0.417
55	33	8.721	8.242	-0.479
55	34	8.743	8.230	-0.513
55	35	8.748	8.239	-0.509
55	36	8.736	8.323	-0.413
55	37	8.731	8.296	-0.435
55	38	8.763	8.273	-0.490
55	39	8.922	8.373	-0.549
55	40	8.824	8.479	-0.345
55	41	8.956	8.368	-0.588
55	42	8.917	8.553	-0.364
50	43	8.780	8.421	-0.359
50	44	8.730	8.252	-0.478
50	45	8.806	8.269	-0.537
50	46	8.808	8.318	-0.490
50	47	8.805	8.309	-0.496
	Max	8.956	8.553	-0.264
	Average	8.765	8.317	-0.449
	Min	8.660	8.199	-0.654
	Std Dev	0.064	0.081	0.079



9.14_T_SYNC_FALL_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 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	8.521	8.248	8.201	8.224	8.199	8.252	8.216
Average	8.521	8.281	8.267	8.331	8.335	8.314	8.320
Max	8.521	8.295	8.296	8.472	8.408	8.421	8.553
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

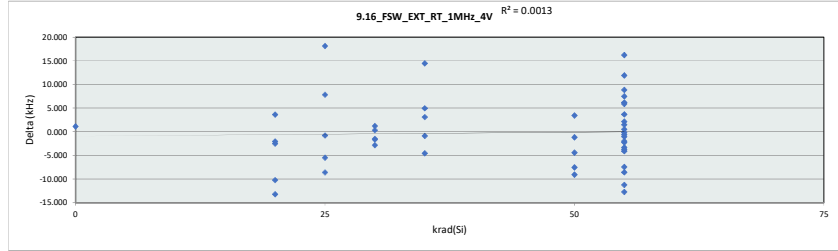


**HDR TID Report
TPS7H5007-SEP**

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

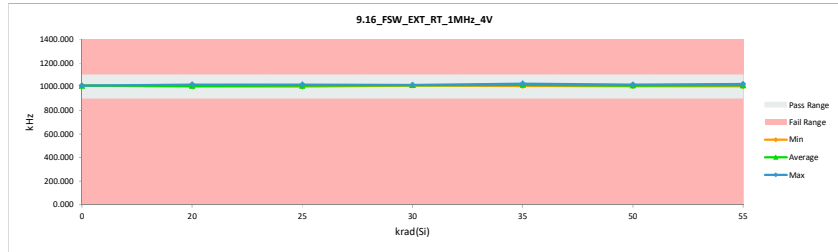
9.16_FSW_EXT_RT_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	1100
Min Limit	900

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1007.841	1008.942	1.101
25	1	1000.669	1008.475	7.806
25	2	1006.356	1000.875	-5.481
25	3	1006.653	1005.871	-0.782
25	4	1017.652	1009.052	-8.600
25	5	1000.220	1018.347	18.127
20	6	1002.397	1000.334	-2.063
20	7	1000.520	1004.135	3.615
20	8	1016.031	1002.801	-13.230
20	9	1016.797	1014.295	-2.502
20	10	1028.411	1018.191	-10.220
35	11	1022.320	1027.267	4.947
35	12	1007.768	1022.213	14.445
35	13	1012.345	1007.759	-4.586
35	14	1012.545	1011.680	-0.865
35	15	1009.926	1013.023	3.097
30	16	1012.639	1010.993	-1.646
30	17	1011.982	1013.212	1.230
30	18	1015.659	1012.817	-2.842
30	19	1014.207	1012.710	-1.497
30	20	1013.636	1013.938	0.302
55	21	1016.581	1014.592	-1.989
55	22	1002.995	1014.912	11.917
55	23	1007.344	1003.636	-3.708
55	24	1008.850	1008.678	-0.172
55	25	1010.960	1010.346	-0.614
55	26	1009.462	1013.123	3.661
55	27	1010.902	1007.589	-3.313
55	28	1007.716	1013.606	5.890
55	29	1008.253	1008.764	0.511
55	30	1015.950	1007.370	-8.580
55	31	1008.421	1017.250	8.829
55	32	1006.081	1008.216	2.135
55	33	1019.834	1007.118	-12.716
55	34	1011.572	1017.756	6.184
55	35	1014.019	1009.912	-4.107
55	36	1015.409	1016.881	1.472
55	37	1017.102	1016.053	-1.049
55	38	1022.635	1015.199	-7.436
55	39	1012.914	1020.379	7.465
55	40	1012.495	1010.235	-2.260
55	41	1022.243	1011.000	-11.243
55	42	1005.383	1021.591	16.208
50	43	1012.925	1005.361	-7.564
50	44	1018.205	1009.146	-9.059
50	45	1011.065	1014.509	3.444
50	46	1019.182	1017.988	-1.194
50	47	1011.221	1006.793	-4.428
	Max	1028.411	1027.267	18.127
	Average	1012.006	1011.769	-0.237
	Min	1000.220	1000.334	-13.230
	Std Dev	6.114	5.678	7.068



9.16_FSW_EXT_RT_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	1008.942	1000.334	1000.875	1010.993	1007.759	1005.361	1003.636
Average	1008.942	1007.951	1008.524	1012.734	1016.388	1010.759	1012.464
Max	1008.942	1018.191	1018.347	1013.938	1027.267	1017.988	1021.591
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000

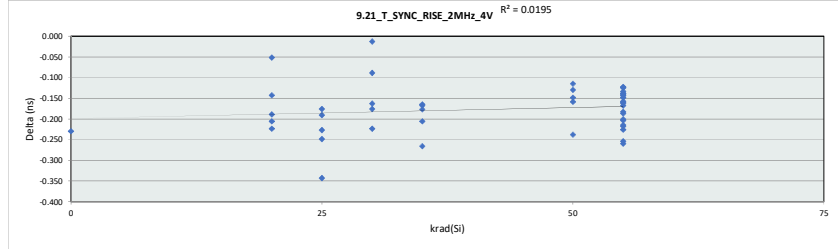


**HDR TID Report
TPS7H5007-SEP**

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

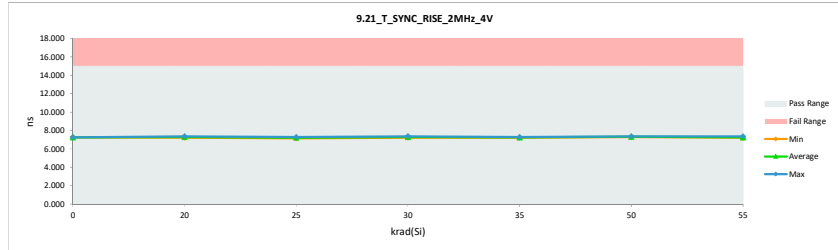
9.21_T_SYNC_RISE_2MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	15
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.489	7.259	-0.230
25	1	7.493	7.266	-0.227
25	2	7.502	7.253	-0.249
25	3	7.436	7.245	-0.191
25	4	7.395	7.219	-0.176
25	5	7.485	7.142	-0.343
20	6	7.515	7.291	-0.224
20	7	7.546	7.340	-0.206
20	8	7.413	7.361	-0.052
20	9	7.412	7.223	-0.189
20	10	7.393	7.250	-0.143
35	11	7.430	7.253	-0.177
35	12	7.441	7.276	-0.165
35	13	7.436	7.268	-0.168
35	14	7.416	7.210	-0.206
35	15	7.499	7.233	-0.266
30	16	7.381	7.368	-0.013
30	17	7.398	7.222	-0.176
30	18	7.478	7.254	-0.224
30	19	7.440	7.351	-0.089
30	20	7.439	7.276	-0.163
55	21	7.408	7.266	-0.142
55	22	7.438	7.212	-0.226
55	23	7.472	7.285	-0.187
55	24	7.403	7.241	-0.162
55	25	7.430	7.212	-0.218
55	26	7.419	7.281	-0.138
55	27	7.460	7.200	-0.260
55	28	7.422	7.288	-0.134
55	29	7.424	7.241	-0.183
55	30	7.432	7.272	-0.160
55	31	7.455	7.254	-0.201
55	32	7.440	7.316	-0.124
55	33	7.420	7.271	-0.149
55	34	7.394	7.250	-0.144
55	35	7.420	7.281	-0.139
55	36	7.420	7.262	-0.158
55	37	7.480	7.226	-0.254
55	38	7.437	7.233	-0.204
55	39	7.449	7.281	-0.168
55	40	7.484	7.269	-0.215
55	41	7.471	7.348	-0.123
55	42	7.454	7.329	-0.125
50	43	7.437	7.322	-0.115
50	44	7.445	7.296	-0.149
50	45	7.541	7.303	-0.238
50	46	7.477	7.347	-0.130
50	47	7.499	7.340	-0.159
50	48	7.546	7.368	-0.013
50	49	7.447	7.271	-0.177
50	50	7.381	7.142	-0.343
50	51	0.039	0.047	0.057



9.21_T_SYNC_RISE_2MHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	15
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	7.259	7.223	7.142	7.222	7.210	7.296	7.200
Average	7.259	7.293	7.225	7.294	7.248	7.322	7.264
Max	7.259	7.361	7.266	7.368	7.276	7.347	7.348
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

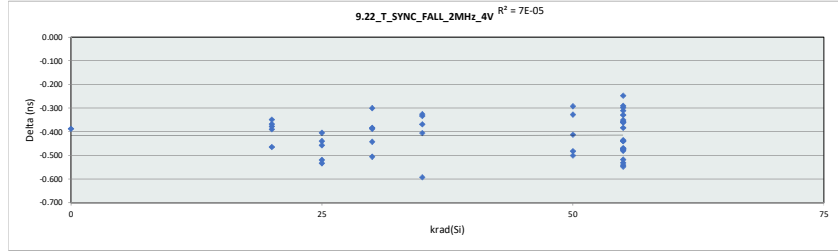


**HDR TID Report
TPS7H5007-SEP**

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

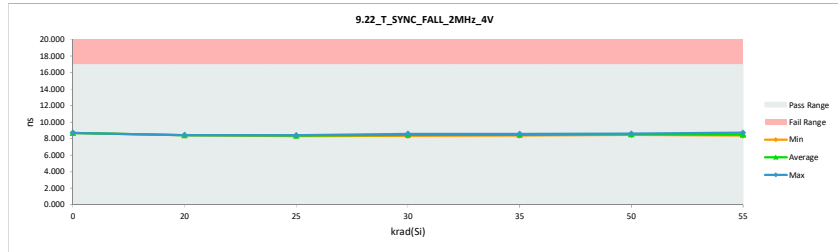
9.22_T_SYNC_FALL_2MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	9.082	8.694	-0.388
25	1	8.898	8.364	-0.534
25	2	8.812	8.407	-0.405
25	3	8.819	8.379	-0.440
25	4	8.851	8.393	-0.458
25	5	8.842	8.322	-0.520
20	6	8.782	8.414	-0.368
20	7	8.794	8.445	-0.349
20	8	8.814	8.424	-0.390
20	9	8.810	8.432	-0.378
20	10	8.871	8.406	-0.465
35	11	8.847	8.478	-0.369
35	12	8.876	8.470	-0.406
35	13	8.826	8.500	-0.326
35	14	8.968	8.375	-0.593
35	15	8.902	8.568	-0.334
30	16	8.850	8.344	-0.506
30	17	8.858	8.415	-0.443
30	18	8.884	8.500	-0.384
30	19	8.886	8.585	-0.301
30	20	8.914	8.526	-0.388
55	21	8.881	8.497	-0.384
55	22	8.886	8.447	-0.439
55	23	8.875	8.439	-0.436
55	24	8.889	8.419	-0.470
55	25	8.866	8.504	-0.362
55	26	8.917	8.440	-0.477
55	27	8.866	8.536	-0.330
55	28	8.898	8.417	-0.481
55	29	9.008	8.490	-0.518
55	30	8.847	8.599	-0.248
55	31	8.901	8.460	-0.441
55	32	8.859	8.548	-0.311
55	33	8.782	8.491	-0.291
55	34	8.846	8.374	-0.472
55	35	8.890	8.416	-0.474
55	36	8.868	8.508	-0.360
55	37	8.824	8.466	-0.358
55	38	8.927	8.385	-0.542
55	39	9.096	8.548	-0.548
55	40	8.964	8.666	-0.298
55	41	9.097	8.565	-0.532
55	42	9.063	8.712	-0.351
50	43	8.900	8.607	-0.293
50	44	8.856	8.528	-0.328
50	45	8.954	8.453	-0.501
50	46	8.962	8.479	-0.483
50	47	8.939	8.526	-0.413
Max		9.097	8.712	-0.248
Average		8.893	8.478	-0.414
Min		8.782	8.322	-0.593
Std Dev		0.076	0.088	0.082



9.22_T_SYNC_FALL_2MHz_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	8.694	8.406	8.322	8.344	8.375	8.453	8.374
Average	8.694	8.424	8.373	8.474	8.478	8.519	8.497
Max	8.694	8.445	8.407	8.585	8.568	8.607	8.712
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

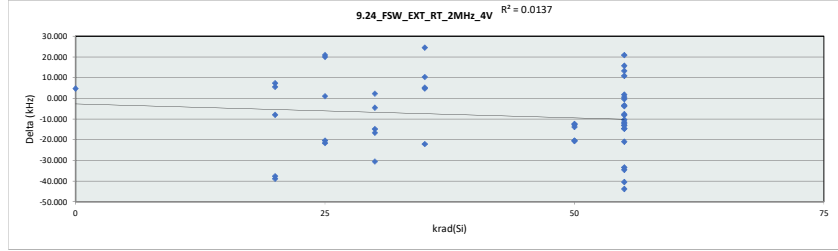


**HDR TID Report
TPS7H5007-SEP**

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

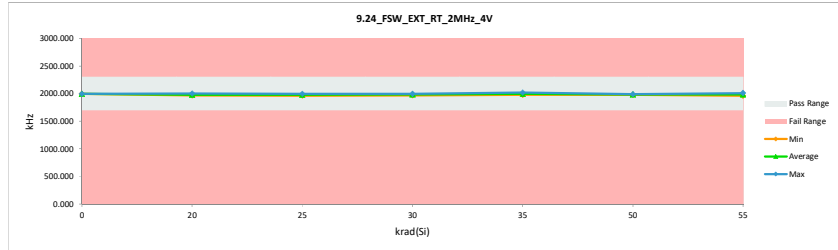
9.24_FSW_EXT_RT_2MHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	2300
Min Limit	1700

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1992.547	1997.208	4.661
25	1	1967.261	1987.203	19.942
25	2	1987.013	1966.514	-20.499
25	3	1981.433	1982.382	0.949
25	4	2003.742	1982.019	-21.723
25	5	1977.173	1998.077	20.904
20	6	1980.322	1972.233	-8.089
20	7	1971.668	1977.085	5.417
20	8	2007.526	1968.584	-38.942
20	9	1996.151	2003.430	7.279
20	10	2030.714	1993.033	-37.681
35	11	2015.368	2020.031	4.663
35	12	1985.168	2009.591	24.423
35	13	2000.354	1978.169	-22.185
35	14	1982.489	1992.700	10.211
35	15	1972.338	1977.480	5.142
30	16	2000.292	1969.694	-30.598
30	17	1995.766	1997.939	2.173
30	18	2005.761	1989.055	-16.706
30	19	1997.747	1993.196	-4.551
30	20	2003.247	1988.379	-14.868
55	21	2004.995	1993.445	-11.550
55	22	1980.190	1990.960	10.770
55	23	2002.732	1968.144	-34.588
55	24	1995.780	1992.300	-3.480
55	25	2003.165	1990.835	-12.330
55	26	1978.240	1999.093	20.853
55	27	1997.538	1964.049	-33.489
55	28	1997.920	1989.811	-8.109
55	29	1994.999	1984.584	-10.415
55	30	1999.425	1984.667	-14.758
55	31	1986.835	1988.523	1.688
55	32	1989.400	1976.212	-13.188
55	33	2021.195	1980.620	-40.575
55	34	1998.116	2011.311	13.195
55	35	2004.303	1983.265	-21.038
55	36	1997.698	1997.311	-0.387
55	37	1999.799	1992.043	-7.756
55	38	2006.132	1991.467	-14.665
55	39	1998.804	1994.977	-3.827
55	40	1982.701	1983.207	0.506
55	41	2015.558	1971.695	-43.863
55	42	1992.886	2008.554	15.668
50	43	2002.937	1982.200	-20.737
50	44	2008.729	1988.250	-20.479
50	45	2001.952	1989.505	12.447
50	46	1994.834	1980.945	-13.889
50	47	2002.671	1989.764	12.907
Max		2030.714	2020.031	24.423
Average		1996.117	1987.744	-8.373
Min		1967.261	1964.049	-43.863
Std Dev		12.824	12.037	17.255



9.24_FSW_EXT_RT_2MHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	1997.208	1968.584	1966.514	1969.694	1977.480	1980.945	1964.049
Average	1997.208	1982.871	1983.239	1987.653	1995.594	1986.133	1988.049
Max	1997.208	2003.420	1998.077	1997.939	2020.031	1989.764	2011.311
UL	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000

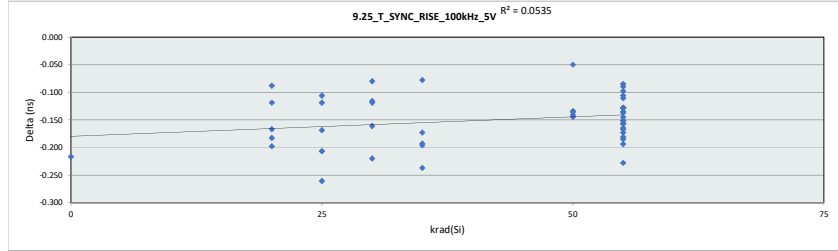


**HDR TID Report
TPS7H5007-SEP**

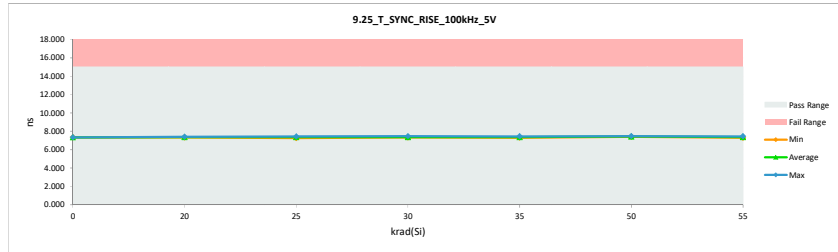
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

9.25_T_SYNC_RISE_100kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.566	7.349	-0.217
25	1	7.576	7.369	-0.207
25	2	7.548	7.442	-0.106
25	3	7.513	7.344	-0.169
25	4	7.481	7.362	-0.119
25	5	7.525	7.264	-0.261
20	6	7.567	7.400	-0.167
20	7	7.572	7.389	-0.183
20	8	7.498	7.379	-0.119
20	9	7.486	7.398	-0.088
20	10	7.513	7.315	-0.198
35	11	7.541	7.304	-0.237
35	12	7.523	7.445	-0.078
35	13	7.519	7.346	-0.173
35	14	7.510	7.314	-0.196
35	15	7.595	7.402	-0.193
30	16	7.453	7.337	-0.116
30	17	7.493	7.332	-0.161
30	18	7.565	7.345	-0.220
30	19	7.552	7.472	-0.080
30	20	7.517	7.398	-0.119
55	21	7.498	7.346	-0.152
55	22	7.512	7.327	-0.185
55	23	7.540	7.346	-0.194
55	24	7.499	7.354	-0.145
55	25	7.508	7.357	-0.151
55	26	7.511	7.421	-0.090
55	27	7.505	7.340	-0.165
55	28	7.502	7.417	-0.085
55	29	7.503	7.322	-0.181
55	30	7.504	7.398	-0.106
55	31	7.518	7.290	-0.228
55	32	7.505	7.394	-0.111
55	33	7.518	7.361	-0.157
55	34	7.517	7.419	-0.098
55	35	7.489	7.361	-0.128
55	36	7.489	7.322	-0.167
55	37	7.548	7.375	-0.173
55	38	7.519	7.390	-0.129
55	39	7.542	7.405	-0.137
55	40	7.580	7.452	-0.128
55	41	7.575	7.418	-0.157
55	42	7.550	7.415	-0.135
50	43	7.546	7.410	-0.136
50	44	7.527	7.477	-0.050
50	45	7.565	7.431	-0.134
50	46	7.556	7.411	-0.145
50	47	7.568	7.427	-0.141
Max		7.595	7.477	-0.050
Average		7.527	7.377	-0.150
Min		7.453	7.264	-0.261
Std Dev		0.031	0.048	0.046



9.25_T_SYNC_RISE_100kHz_5		0	20	25	30	35	50	55
Test Site								
Tester								
Test Number								
Max Limit		15	ns					
Min Limit		0	ns					
LL		0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min		7.349	7.315	7.264	7.332	7.304	7.410	7.290
Average		7.349	7.376	7.356	7.377	7.362	7.431	7.374
Max		7.349	7.400	7.442	7.472	7.445	7.477	7.452
UL		15.000	15.000	15.000	15.000	15.000	15.000	15.000

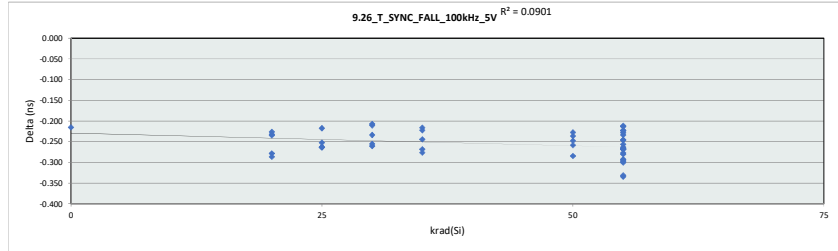


**HDR TID Report
TPS7H5007-SEP**

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

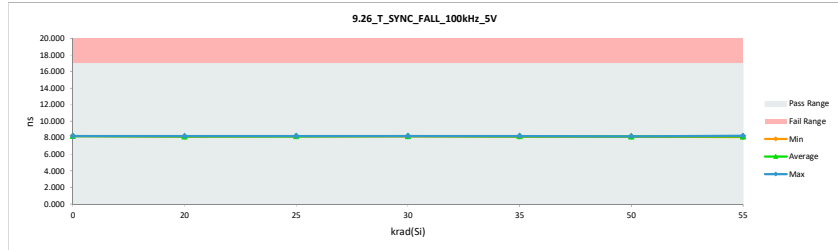
9.26_T_SYNC_FALL_100kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	8.439	8.223		-0.216
25	1	8.453	8.189		-0.264
25	2	8.440	8.176		-0.264
25	3	8.424	8.171		-0.253
25	4	8.429	8.211		-0.218
25	5	8.434	8.170		-0.264
20	6	8.415	8.128		-0.287
20	7	8.420	8.193		-0.227
20	8	8.433	8.198		-0.235
20	9	8.426	8.193		-0.233
20	10	8.432	8.153		-0.279
35	11	8.429	8.184		-0.245
35	12	8.412	8.189		-0.223
35	13	8.427	8.210		-0.217
35	14	8.433	8.164		-0.269
35	15	8.427	8.150		-0.277
30	16	8.410	8.202		-0.208
30	17	8.427	8.193		-0.234
30	18	8.435	8.174		-0.261
30	19	8.434	8.223		-0.211
30	20	8.436	8.180		-0.256
55	21	8.419	8.155		-0.264
55	22	8.447	8.154		-0.293
55	23	8.451	8.170		-0.281
55	24	8.433	8.176		-0.257
55	25	8.426	8.148		-0.278
55	26	8.435	8.166		-0.269
55	27	8.427	8.193		-0.234
55	28	8.439	8.192		-0.247
55	29	8.449	8.235		-0.214
55	30	8.429	8.206		-0.223
55	31	8.421	8.209		-0.212
55	32	8.422	8.193		-0.229
55	33	8.414	8.113		-0.301
55	34	8.406	8.137		-0.269
55	35	8.429	8.134		-0.295
55	36	8.435	8.137		-0.298
55	37	8.401	8.177		-0.224
55	38	8.437	8.169		-0.268
55	39	8.457	8.122		-0.335
55	40	8.425	8.093		-0.332
55	41	8.440	8.172		-0.268
55	42	8.433	8.187		-0.246
50	43	8.433	8.174		-0.259
50	44	8.414	8.186		-0.228
50	45	8.437	8.189		-0.248
50	46	8.417	8.180		-0.237
50	47	8.425	8.140		-0.285
50	48	8.457	8.235		-0.208
50	49	8.429	8.175		-0.255
50	50	8.401	8.093		-0.335
50	51	0.012	0.030		0.031



9.26_T_SYNC_FALL_100kHz_5	
Test Site	
Tester	
Test Number	
Unit	ns ns
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	8.223	8.128	8.170	8.174	8.150	8.140	8.093
Average	8.223	8.173	8.183	8.194	8.179	8.174	8.165
Max	8.223	8.198	8.211	8.223	8.210	8.189	8.235
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

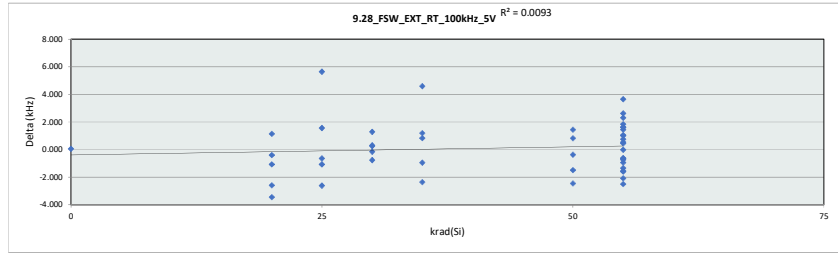


**HDR TID Report
TPS7H5007-SEP**

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

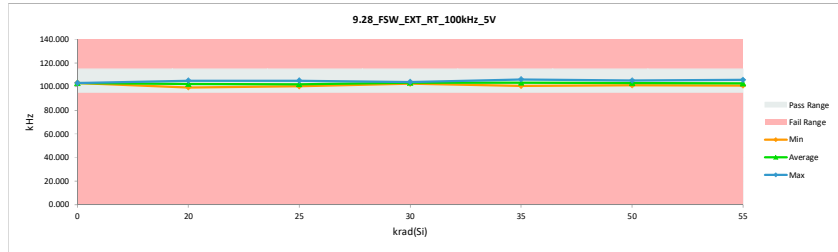
9.28_FSW_EXT_RT_100kHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	115
Min Limit	95

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	103.128	103.178	0.050
25	1	100.426	101.984	1.558
25	2	101.084	100.425	-0.659
25	3	101.879	100.800	-1.079
25	4	105.042	102.423	-2.619
25	5	99.438	105.077	5.639
20	6	102.063	99.456	-2.607
20	7	100.822	101.951	1.129
20	8	104.591	101.131	-3.460
20	9	104.881	104.466	-0.415
20	10	106.248	105.166	-1.082
35	11	105.384	106.204	0.820
35	12	100.736	105.311	4.575
35	13	103.040	100.668	-2.372
35	14	101.902	103.080	1.178
35	15	103.342	102.375	-0.967
30	16	103.206	103.450	0.244
30	17	103.364	103.655	0.291
30	18	102.784	104.058	1.274
30	19	103.267	102.490	-0.777
30	20	103.208	103.036	-0.172
55	21	103.008	103.441	0.433
55	22	101.410	102.847	1.437
55	23	100.135	101.962	1.827
55	24	103.062	100.965	-2.097
55	25	102.475	103.513	1.038
55	26	101.667	103.263	1.596
55	27	104.046	101.530	-2.516
55	28	102.586	104.886	2.300
55	29	101.048	102.676	1.628
55	30	102.462	101.107	-1.355
55	31	102.311	102.838	0.527
55	32	102.351	102.326	-0.025
55	33	103.865	102.255	-1.610
55	34	102.447	103.185	0.738
55	35	103.062	102.436	-0.626
55	36	102.897	103.891	0.994
55	37	104.222	103.481	-0.741
55	38	105.654	104.093	-1.561
55	39	102.092	105.739	3.647
55	40	102.416	101.752	-0.664
55	41	103.519	102.560	-0.959
55	42	100.934	103.542	2.608
50	43	103.630	101.166	-2.464
50	44	104.642	103.139	-1.503
50	45	102.777	104.207	1.430
50	46	104.394	105.202	0.808
50	47	102.778	102.394	-0.384
Max		106.248	106.204	5.639
Average		102.828	102.933	0.105
Min		99.438	99.456	-3.460
Std Dev		1.467	1.479	1.877



9.28_FSW_EXT_RT_100kHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	103.178	99.456	100.425	102.490	100.668	101.166	100.965
Average	103.178	102.434	102.142	103.338	103.528	103.222	102.922
Max	103.178	105.166	105.077	104.058	106.204	105.202	105.739
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000

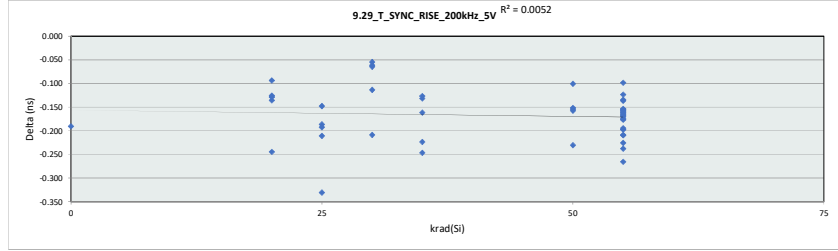


**HDR TID Report
TPS7H5007-SEP**

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
Max Limit	15
Min Limit	0

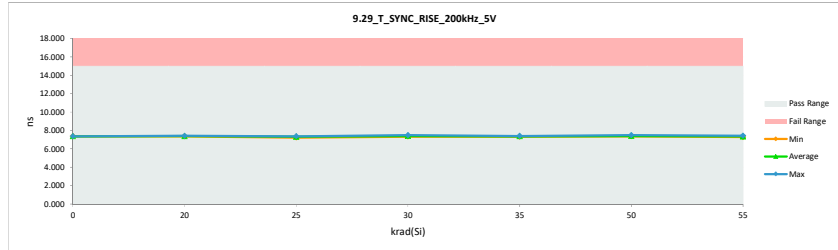
krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.560	7.369	-0.191
25	1	7.571	7.360	-0.211
25	2	7.548	7.355	-0.193
25	3	7.513	7.365	-0.148
25	4	7.465	7.278	-0.187
25	5	7.561	7.230	-0.331
20	6	7.535	7.409	-0.126
20	7	7.610	7.365	-0.245
20	8	7.501	7.365	-0.136
20	9	7.485	7.356	-0.129
20	10	7.495	7.401	-0.094
35	11	7.529	7.367	-0.162
35	12	7.521	7.389	-0.132
35	13	7.505	7.378	-0.127
35	14	7.537	7.313	-0.224
35	15	7.601	7.354	-0.247
30	16	7.459	7.397	-0.062
30	17	7.487	7.432	-0.055
30	18	7.544	7.335	-0.209
30	19	7.542	7.477	-0.065
30	20	7.506	7.392	-0.114
55	21	7.494	7.359	-0.135
55	22	7.526	7.328	-0.198
55	23	7.541	7.315	-0.226
55	24	7.509	7.332	-0.177
55	25	7.521	7.326	-0.195
55	26	7.493	7.339	-0.154
55	27	7.512	7.303	-0.209
55	28	7.525	7.359	-0.166
55	29	7.523	7.353	-0.170
55	30	7.495	7.396	-0.099
55	31	7.540	7.403	-0.137
55	32	7.516	7.360	-0.156
55	33	7.504	7.336	-0.168
55	34	7.511	7.273	-0.238
55	35	7.507	7.349	-0.158
55	36	7.509	7.335	-0.174
55	37	7.560	7.294	-0.266
55	38	7.523	7.361	-0.162
55	39	7.543	7.384	-0.159
55	40	7.563	7.400	-0.163
55	41	7.573	7.363	-0.210
55	42	7.543	7.419	-0.124
50	43	7.525	7.370	-0.155
50	44	7.545	7.387	-0.158
50	45	7.594	7.363	-0.231
50	46	7.543	7.391	-0.152
50	47	7.586	7.485	-0.101
	Max	7.610	7.485	-0.055
	Average	7.529	7.362	-0.167
	Min	7.459	7.230	-0.331
	Std Dev	0.033	0.046	0.054



9.29_T_SYNC_RISE_200kHz_5

Test Site	
Tester	
Test Number	
Max Limit	15
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	7.369	7.356	7.230	7.335	7.313	7.363	7.273
Average	7.369	7.379	7.318	7.407	7.360	7.399	7.349
Max	7.369	7.409	7.365	7.477	7.389	7.485	7.419
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

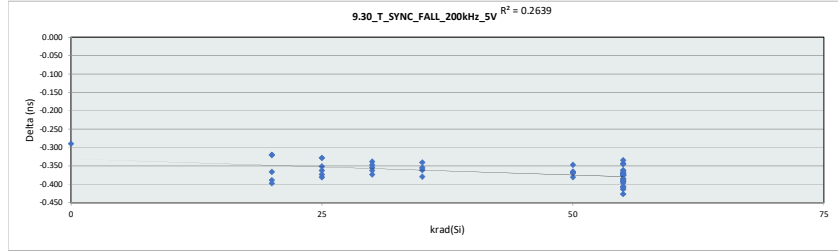


**HDR TID Report
TPS7H5007-SEP**

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	0 0

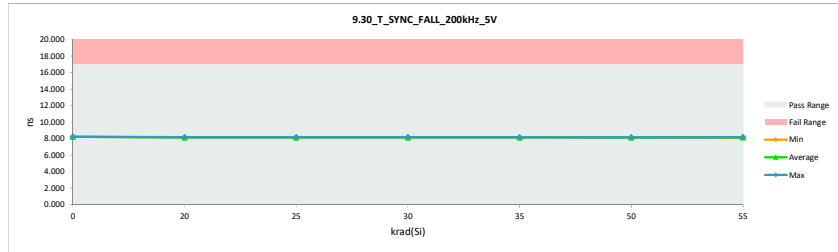
krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.532	8.242	-0.290
25	1	8.535	8.183	-0.352
25	2	8.517	8.188	-0.329
25	3	8.517	8.143	-0.374
25	4	8.526	8.163	-0.363
25	5	8.510	8.129	-0.381
20	6	8.517	8.150	-0.367
20	7	8.492	8.171	-0.321
20	8	8.530	8.132	-0.398
20	9	8.508	8.157	-0.321
20	10	8.530	8.141	-0.389
35	11	8.512	8.150	-0.362
35	12	8.507	8.152	-0.355
35	13	8.500	8.159	-0.341
35	14	8.528	8.148	-0.380
35	15	8.526	8.167	-0.359
30	16	8.509	8.154	-0.355
30	17	8.505	8.142	-0.363
30	18	8.519	8.180	-0.339
30	19	8.530	8.182	-0.348
30	20	8.522	8.148	-0.374
55	21	8.520	8.148	-0.372
55	22	8.508	8.123	-0.385
55	23	8.531	8.155	-0.376
55	24	8.493	8.107	-0.386
55	25	8.517	8.141	-0.376
55	26	8.525	8.136	-0.389
55	27	8.519	8.149	-0.370
55	28	8.526	8.162	-0.364
55	29	8.532	8.163	-0.369
55	30	8.520	8.106	-0.414
55	31	8.524	8.189	-0.335
55	32	8.510	8.117	-0.393
55	33	8.506	8.114	-0.392
55	34	8.502	8.105	-0.397
55	35	8.517	8.142	-0.375
55	36	8.512	8.150	-0.362
55	37	8.517	8.173	-0.344
55	38	8.514	8.139	-0.375
55	39	8.527	8.121	-0.406
55	40	8.531	8.122	-0.409
55	41	8.538	8.111	-0.427
55	42	8.532	8.186	-0.346
50	43	8.515	8.145	-0.370
50	44	8.515	8.147	-0.368
50	45	8.514	8.148	-0.365
50	46	8.520	8.139	-0.381
50	47	8.511	8.163	-0.348
Max		8.538	8.242	-0.290
Average		8.518	8.150	-0.368
Min		8.492	8.105	-0.427
Std Dev		0.011	0.026	0.026



9.30_T_SYNC_FALL_200kHz_5

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	8.242	8.132	8.129	8.142	8.148	8.139	8.105
Average	8.242	8.156	8.161	8.161	8.155	8.148	8.139
Max	8.242	8.187	8.188	8.182	8.167	8.163	8.189
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

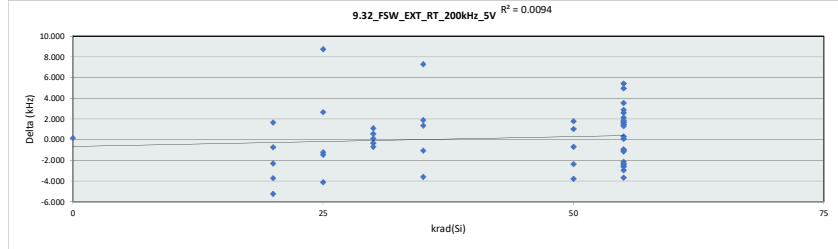


**HDR TID Report
TPS7H5007-SEP**

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

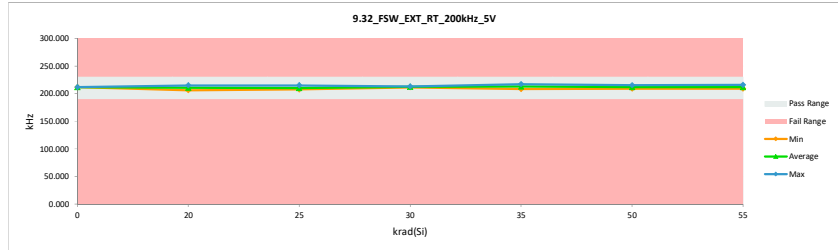
9.32_FSW_EXT_RT_200kHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	230
Min Limit	190

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	211.561	211.694		0.133
25	1	207.635	210.274		2.639
25	2	208.899	207.667		-1.232
25	3	209.918	208.455		-1.463
25	4	214.962	210.836		-4.126
25	5	206.268	214.989		8.721
20	6	209.936	206.202		-3.734
20	7	208.279	209.917		1.638
20	8	214.099	208.845		-5.254
20	9	214.595	213.844		-0.751
20	10	217.407	215.086		-2.321
35	11	215.929	217.264		1.335
35	12	208.612	215.880		7.268
35	13	212.076	208.447		-3.629
35	14	210.219	212.089		1.870
35	15	211.912	210.829		-1.083
30	16	212.065	212.154		0.089
30	17	212.209	212.754		0.545
30	18	212.049	213.130		1.081
30	19	212.188	211.471		-0.717
30	20	212.233	211.887		-0.346
55	21	212.215	212.521		0.306
55	22	209.080	211.937		2.857
55	23	208.073	209.931		1.858
55	24	211.621	209.282		-2.339
55	25	211.113	212.416		1.303
55	26	209.760	212.345		2.585
55	27	213.199	209.517		-3.682
55	28	211.038	214.557		3.519
55	29	209.075	211.189		2.114
55	30	211.703	209.071		-2.632
55	31	210.625	212.239		1.614
55	32	210.734	210.782		0.048
55	33	213.603	210.626		-2.977
55	34	210.999	212.690		1.691
55	35	212.062	210.895		-1.167
55	36	211.948	213.388		1.440
55	37	213.877	212.935		-0.942
55	38	216.004	213.520		-2.484
55	39	210.611	216.012		5.401
55	40	211.055	210.019		-1.036
55	41	213.374	211.217		-2.157
55	42	208.670	213.601		4.931
50	43	212.848	209.047		-3.801
50	44	214.329	211.957		-2.372
50	45	211.736	213.507		1.771
50	46	214.139	215.154		1.015
50	47	211.748	211.039		-0.709
	Max	217.407	217.264		8.721
	Average	211.631	211.773		0.142
	Min	206.268	206.202		-5.254
	Std Dev	2.312	2.313		2.914



9.32_FSW_EXT_RT_200kHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	211.694	206.202	207.667	211.471	208.447	209.047	209.071
Average	211.694	210.779	210.444	212.279	212.902	212.141	211.850
Max	211.694	215.086	214.989	213.130	217.264	215.154	216.012
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000

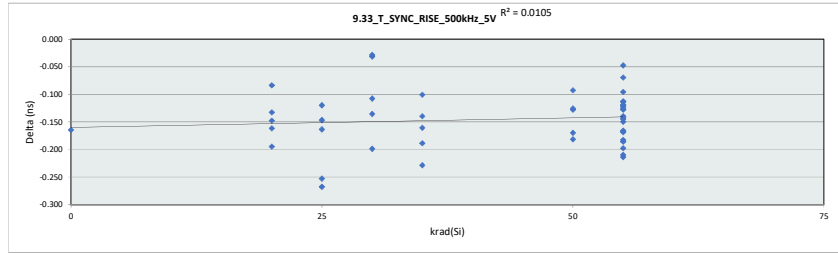


**HDR TID Report
TPS7H5007-SEP**

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	0 0

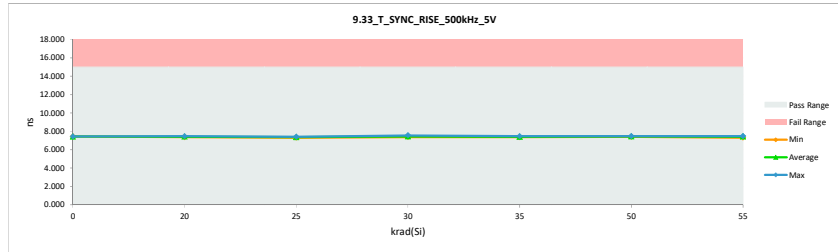
krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.588	7.423	-0.165
25	1	7.598	7.345	-0.253
25	2	7.568	7.404	-0.164
25	3	7.540	7.393	-0.147
25	4	7.516	7.396	-0.120
25	5	7.575	7.307	-0.268
20	6	7.582	7.387	-0.195
20	7	7.612	7.464	-0.148
20	8	7.543	7.459	-0.084
20	9	7.538	7.405	-0.133
20	10	7.510	7.348	-0.162
35	11	7.550	7.389	-0.161
35	12	7.559	7.458	-0.101
35	13	7.527	7.387	-0.140
35	14	7.543	7.354	-0.189
35	15	7.610	7.381	-0.229
30	16	7.501	7.393	-0.108
30	17	7.519	7.383	-0.136
30	18	7.595	7.396	-0.199
30	19	7.585	7.556	-0.029
30	20	7.543	7.511	-0.032
55	21	7.523	7.475	-0.048
55	22	7.549	7.453	-0.096
55	23	7.573	7.423	-0.150
55	24	7.527	7.317	-0.210
55	25	7.566	7.383	-0.183
55	26	7.548	7.429	-0.119
55	27	7.545	7.405	-0.140
55	28	7.532	7.405	-0.127
55	29	7.558	7.430	-0.128
55	30	7.532	7.411	-0.121
55	31	7.577	7.363	-0.214
55	32	7.523	7.453	-0.070
55	33	7.556	7.411	-0.145
55	34	7.531	7.417	-0.114
55	35	7.529	7.406	-0.123
55	36	7.536	7.338	-0.198
55	37	7.577	7.411	-0.166
55	38	7.537	7.370	-0.167
55	39	7.570	7.429	-0.141
55	40	7.604	7.435	-0.169
55	41	7.595	7.409	-0.186
55	42	7.589	7.476	-0.113
50	43	7.544	7.451	-0.093
50	44	7.578	7.396	-0.182
50	45	7.600	7.430	-0.170
50	46	7.589	7.461	-0.128
50	47	7.594	7.468	-0.126
Max		7.612	7.556	-0.029
Average		7.558	7.412	-0.146
Min		7.501	7.307	-0.268
Std Dev		0.029	0.047	0.051



9.33_T_SYNC_RISE_500kHz_5V

9.33_T_SYNC_RISE_500kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 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	7.423	7.348	7.307	7.383	7.354	7.396	7.317
Average	7.423	7.413	7.369	7.448	7.394	7.441	7.411
Max	7.423	7.464	7.404	7.556	7.458	7.468	7.476
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

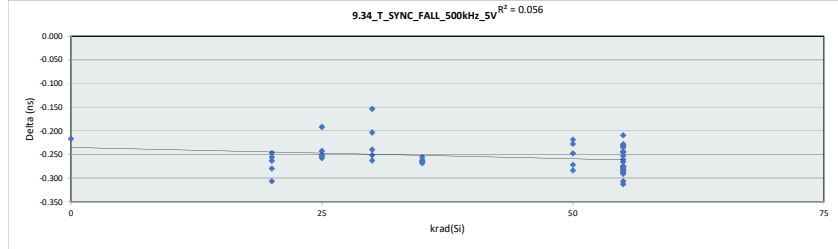


**HDR TID Report
TPS7H5007-SEP**

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	0 0

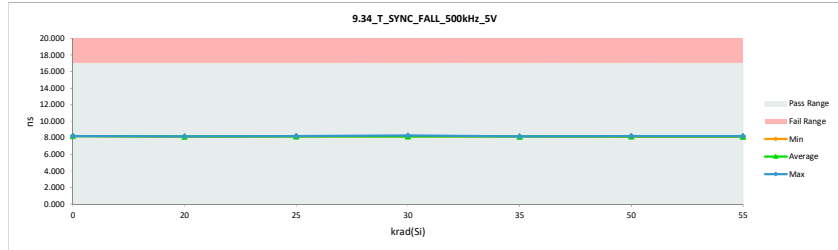
krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	8.432	8.215	-0.217
25	1	8.435	8.192	-0.243
25	2	8.414	8.222	-0.192
25	3	8.426	8.168	-0.258
25	4	8.418	8.164	-0.254
25	5	8.416	8.165	-0.251
20	6	8.427	8.163	-0.264
20	7	8.431	8.184	-0.247
20	8	8.437	8.157	-0.280
20	9	8.410	8.154	-0.256
20	10	8.435	8.128	-0.307
35	11	8.428	8.163	-0.265
35	12	8.417	8.155	-0.262
35	13	8.430	8.166	-0.264
35	14	8.430	8.161	-0.269
35	15	8.435	8.179	-0.256
30	16	8.415	8.152	-0.263
30	17	8.417	8.213	-0.204
30	18	8.425	8.173	-0.252
30	19	8.426	8.272	-0.154
30	20	8.415	8.175	-0.240
55	21	8.415	8.162	-0.253
55	22	8.430	8.154	-0.276
55	23	8.446	8.171	-0.275
55	24	8.422	8.131	-0.291
55	25	8.424	8.135	-0.289
55	26	8.422	8.144	-0.278
55	27	8.415	8.185	-0.230
55	28	8.431	8.148	-0.283
55	29	8.448	8.166	-0.282
55	30	8.413	8.178	-0.235
55	31	8.429	8.122	-0.307
55	32	8.428	8.167	-0.261
55	33	8.394	8.148	-0.246
55	34	8.408	8.173	-0.235
55	35	8.439	8.126	-0.313
55	36	8.414	8.204	-0.210
55	37	8.419	8.175	-0.244
55	38	8.413	8.184	-0.229
55	39	8.441	8.162	-0.279
55	40	8.444	8.178	-0.266
55	41	8.436	8.150	-0.286
55	42	8.433	8.201	-0.232
50	43	8.418	8.146	-0.272
50	44	8.413	8.165	-0.248
50	45	8.422	8.138	-0.284
50	46	8.435	8.216	-0.219
50	47	8.428	8.200	-0.228
	Max	8.448	8.272	-0.154
	Average	8.425	8.170	-0.255
	Min	8.394	8.122	-0.313
	Std Dev	0.011	0.028	0.031



9.34_T_SYNC_FALL_500kHz_5

Test Site	
Tester	
Test Number	
Unit	ns ns
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	8.215	8.128	8.164	8.152	8.155	8.138	8.122
Average	8.215	8.157	8.182	8.197	8.165	8.173	8.162
Max	8.215	8.184	8.222	8.272	8.179	8.216	8.204
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

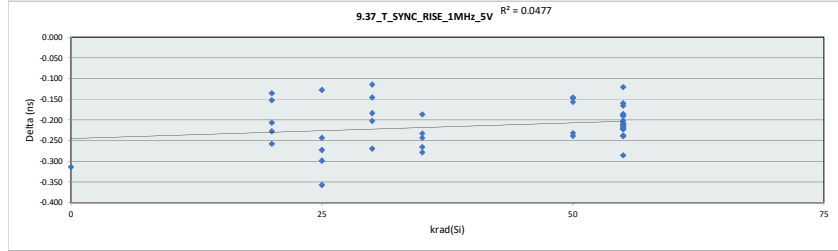


**HDR TID Report
TPS7H5007-SEP**

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

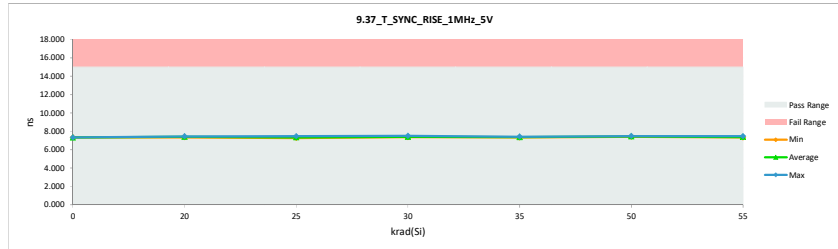
9.37_T_SYNC_RISE_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.636	7.322	-0.314
25	1	7.630	7.331	-0.299
25	2	7.627	7.354	-0.273
25	3	7.585	7.457	-0.128
25	4	7.559	7.315	-0.244
25	5	7.626	7.268	-0.358
20	6	7.632	7.374	-0.258
20	7	7.651	7.444	-0.207
20	8	7.562	7.426	-0.136
20	9	7.552	7.399	-0.153
20	10	7.565	7.337	-0.228
35	11	7.603	7.359	-0.244
35	12	7.597	7.410	-0.187
35	13	7.583	7.350	-0.233
35	14	7.600	7.334	-0.266
35	15	7.651	7.372	-0.279
30	16	7.531	7.385	-0.146
30	17	7.554	7.351	-0.203
30	18	7.635	7.365	-0.270
30	19	7.623	7.508	-0.115
30	20	7.602	7.418	-0.184
55	21	7.551	7.385	-0.166
55	22	7.600	7.388	-0.212
55	23	7.601	7.391	-0.210
55	24	7.559	7.340	-0.219
55	25	7.611	7.372	-0.239
55	26	7.566	7.328	-0.238
55	27	7.608	7.386	-0.222
55	28	7.575	7.367	-0.208
55	29	7.593	7.433	-0.160
55	30	7.559	7.438	-0.121
55	31	7.587	7.385	-0.202
55	32	7.593	7.404	-0.189
55	33	7.579	7.364	-0.215
55	34	7.586	7.347	-0.239
55	35	7.567	7.345	-0.222
55	36	7.580	7.357	-0.223
55	37	7.641	7.355	-0.286
55	38	7.579	7.388	-0.191
55	39	7.621	7.399	-0.222
55	40	7.640	7.426	-0.214
55	41	7.646	7.460	-0.186
55	42	7.624	7.411	-0.213
50	43	7.604	7.447	-0.157
50	44	7.597	7.449	-0.148
50	45	7.649	7.410	-0.239
50	46	7.628	7.396	-0.232
50	47	7.631	7.485	-0.146
50	48	7.651	7.508	-0.115
50	49	7.600	7.386	-0.213
50	50	7.531	7.268	-0.358
50	51	0.032	0.047	0.052



9.37_T_SYNC_RISE_1MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	15 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	7.322	7.337	7.268	7.351	7.334	7.396	7.328
Average	7.322	7.396	7.345	7.405	7.365	7.437	7.385
Max	7.322	7.444	7.457	7.508	7.410	7.485	7.460
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

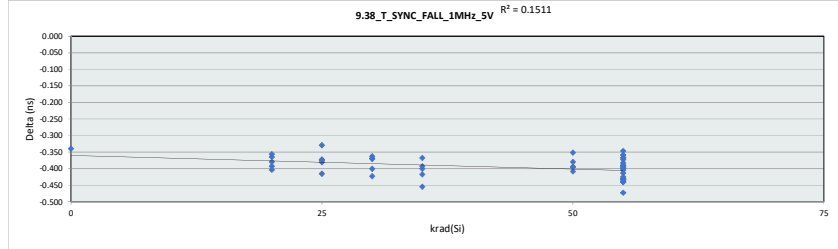


**HDR TID Report
TPS7H5007-SEP**

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

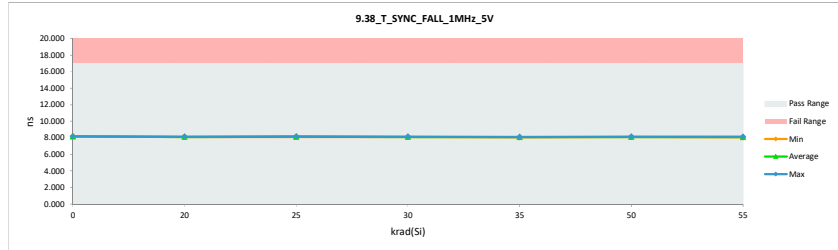
9.38_T_SYNC_FALL_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.518	8.178	-0.340
25	1	8.513	8.132	-0.381
25	2	8.506	8.176	-0.330
25	3	8.502	8.127	-0.375
25	4	8.501	8.128	-0.373
25	5	8.487	8.071	-0.416
20	6	8.494	8.137	-0.357
20	7	8.504	8.139	-0.365
20	8	8.501	8.108	-0.393
20	9	8.496	8.116	-0.380
20	10	8.492	8.088	-0.404
35	11	8.498	8.097	-0.401
35	12	8.476	8.108	-0.368
35	13	8.507	8.052	-0.455
35	14	8.500	8.107	-0.393
35	15	8.513	8.095	-0.418
30	16	8.486	8.085	-0.401
30	17	8.486	8.115	-0.371
30	18	8.503	8.080	-0.423
30	19	8.502	8.139	-0.363
30	20	8.491	8.122	-0.369
55	21	8.483	8.085	-0.398
55	22	8.507	8.069	-0.438
55	23	8.524	8.083	-0.441
55	24	8.504	8.114	-0.390
55	25	8.499	8.074	-0.425
55	26	8.514	8.081	-0.433
55	27	8.494	8.094	-0.400
55	28	8.503	8.109	-0.394
55	29	8.522	8.049	-0.473
55	30	8.481	8.134	-0.347
55	31	8.505	8.091	-0.414
55	32	8.491	8.108	-0.383
55	33	8.489	8.122	-0.367
55	34	8.482	8.109	-0.373
55	35	8.498	8.107	-0.391
55	36	8.497	8.130	-0.367
55	37	8.460	8.101	-0.359
55	38	8.511	8.079	-0.432
55	39	8.514	8.084	-0.430
55	40	8.513	8.108	-0.405
55	41	8.520	8.079	-0.441
55	42	8.522	8.090	-0.432
50	43	8.498	8.146	-0.352
50	44	8.488	8.094	-0.394
50	45	8.501	8.105	-0.396
50	46	8.489	8.080	-0.409
50	47	8.500	8.120	-0.380
Max		8.524	8.178	-0.330
Average		8.500	8.105	-0.395
Min		8.460	8.049	-0.473
Std Dev		0.013	0.027	0.031



9.38_T_SYNC_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	8.178	8.088	8.071	8.080	8.052	8.080	8.049
Average	8.178	8.118	8.127	8.108	8.092	8.109	8.095
Max	8.178	8.139	8.176	8.139	8.108	8.146	8.134
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

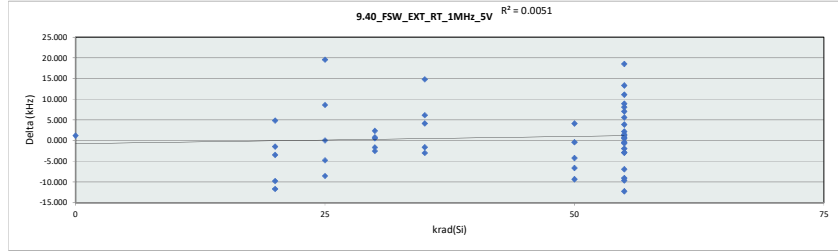


**HDR TID Report
TPS7H5007-SEP**

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

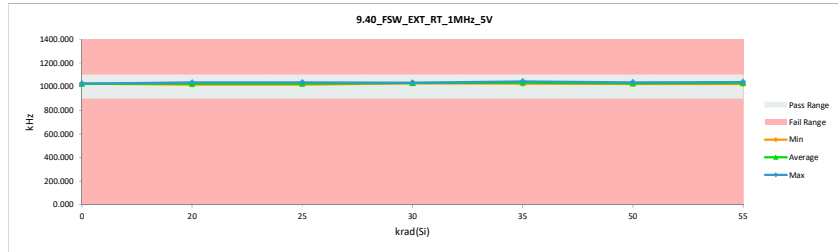
9.40_FSW_EXT_RT_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz kHz
Max Limit	1100 1100
Min Limit	900 900

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1024.237	1025.431	1.194
25	1	1017.649	1026.271	8.622
25	2	1023.102	1018.334	-4.768
25	3	1023.352	1023.401	0.049
25	4	1035.044	1026.493	-8.551
25	5	1016.924	1036.484	19.560
20	6	1019.097	1017.645	-1.452
20	7	1017.299	1022.135	4.836
20	8	1032.270	1020.577	-11.693
20	9	1034.192	1020.733	-3.469
20	10	1046.037	1036.263	-9.774
35	11	1039.626	1045.777	6.151
35	12	1025.288	1040.092	14.804
35	13	1029.120	1026.139	-2.981
35	14	1030.895	1029.266	-1.629
35	15	1028.053	1032.219	4.166
30	16	1029.035	1029.576	0.541
30	17	1029.054	1029.846	0.792
30	18	1033.255	1030.728	-2.527
30	19	1032.496	1030.849	-1.647
30	20	1030.900	1033.287	2.387
55	21	1033.649	1033.270	-0.379
55	22	1019.791	1033.124	13.333
55	23	1024.772	1021.869	-2.903
55	24	1026.160	1027.359	1.199
55	25	1027.955	1028.706	0.751
55	26	1027.413	1031.265	3.852
55	27	1027.817	1027.177	-0.640
55	28	1023.602	1031.703	8.101
55	29	1024.897	1026.389	1.492
55	30	1034.173	1025.111	-9.062
55	31	1026.261	1037.387	11.126
55	32	1021.968	1027.551	5.583
55	33	1037.047	1024.793	-12.254
55	34	1028.814	1035.872	7.058
55	35	1031.195	1028.316	-2.879
55	36	1033.596	1035.760	2.164
55	37	1034.977	1035.510	0.533
55	38	1040.824	1033.920	-6.904
55	39	1030.648	1039.535	8.887
55	40	1031.096	1029.150	-1.946
55	41	1040.262	1030.641	-9.621
55	42	1021.924	1040.446	18.522
50	43	1029.502	1022.875	-6.627
50	44	1036.048	1026.708	-9.340
50	45	1029.049	1033.163	4.114
50	46	1037.994	1037.592	-0.402
50	47	1029.199	1024.964	-4.235
Max		1046.037	1045.777	19.560
Average		1029.324	1030.035	0.711
Min		1016.924	1017.645	-12.254
Std Dev		6.477	6.013	7.373



9.40_FSW_EXT_RT_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz kHz
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	1025.431	1017.645	1018.334	1029.576	1026.139	1022.875	1021.869
Average	1025.431	1025.469	1026.197	1030.857	1034.699	1029.060	1031.130
Max	1025.431	1036.263	1036.484	1033.287	1045.777	1037.592	1040.446
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000

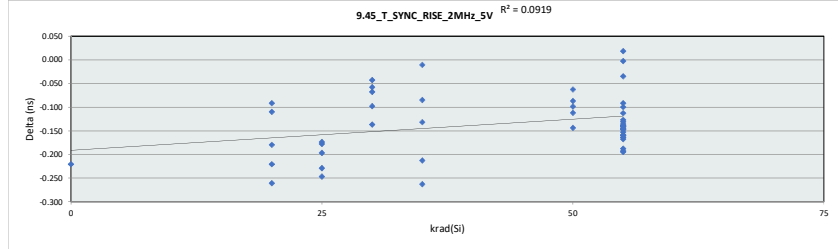


**HDR TID Report
TPS7H5007-SEP**

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

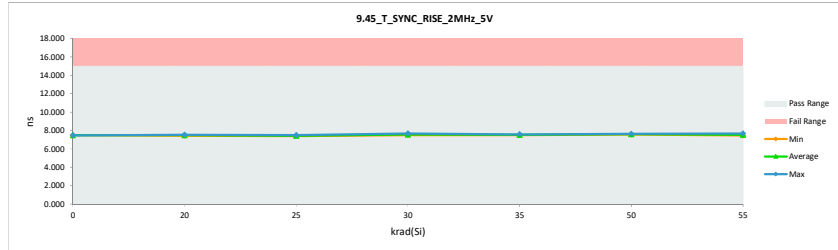
9.45_T_SYNC_RISE_2MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	15
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	7.696	7.475	-0.221
25	1	7.682	7.435	-0.247
25	2	7.667	7.489	-0.178
25	3	7.603	7.406	-0.197
25	4	7.601	7.427	-0.174
25	5	7.651	7.422	-0.229
20	6	7.690	7.429	-0.261
20	7	7.700	7.479	-0.221
20	8	7.614	7.504	-0.110
20	9	7.623	7.532	-0.092
20	10	7.653	7.473	-0.180
35	11	7.667	7.535	-0.132
35	12	7.651	7.566	-0.085
35	13	7.597	7.586	-0.011
35	14	7.701	7.488	-0.213
35	15	7.757	7.494	-0.263
30	16	7.598	7.500	-0.098
30	17	7.603	7.535	-0.068
30	18	7.680	7.543	-0.137
30	19	7.721	7.663	-0.058
30	20	7.663	7.620	-0.043
55	21	7.624	7.589	-0.035
55	22	7.625	7.533	-0.092
55	23	7.666	7.527	-0.139
55	24	7.624	7.524	-0.100
55	25	7.656	7.497	-0.159
55	26	7.667	7.526	-0.141
55	27	7.637	7.489	-0.148
55	28	7.624	7.511	-0.113
55	29	7.648	7.512	-0.136
55	30	7.664	7.537	-0.127
55	31	7.685	7.497	-0.188
55	32	7.637	7.634	-0.003
55	33	7.666	7.513	-0.153
55	34	7.642	7.482	-0.160
55	35	7.643	7.448	-0.195
55	36	7.664	7.500	-0.164
55	37	7.691	7.545	-0.146
55	38	7.701	7.533	-0.168
55	39	7.738	7.596	-0.142
55	40	7.764	7.633	-0.131
55	41	7.732	7.539	-0.193
55	42	7.649	7.667	0.018
50	43	7.641	7.578	-0.063
50	44	7.697	7.585	-0.112
50	45	7.716	7.629	-0.087
50	46	7.708	7.564	-0.144
50	47	7.704	7.605	-0.099
	Max	7.764	7.667	0.018
	Average	7.665	7.529	-0.136
	Min	7.597	7.406	-0.263
	Std Dev	0.042	0.063	0.066



9.45_T_SYNC_RISE_2MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	15
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	7.475	7.429	7.406	7.500	7.488	7.564	7.448
Average	7.475	7.483	7.436	7.572	7.534	7.592	7.538
Max	7.475	7.531	7.489	7.663	7.586	7.629	7.667
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

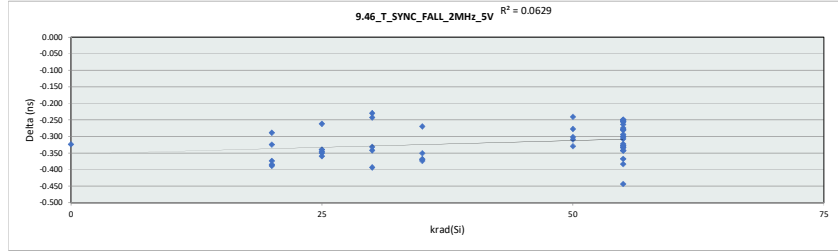


**HDR TID Report
TPS7H5007-SEP**

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

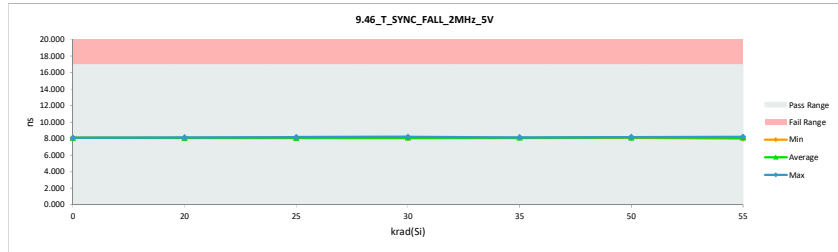
9.46_T_SYNC_FALL_2MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	8.420	8.096	-0.324
25	1	8.456	8.106	-0.350
25	2	8.434	8.088	-0.346
25	3	8.423	8.063	-0.360
25	4	8.433	8.171	-0.262
25	5	8.421	8.081	-0.340
20	6	8.443	8.058	-0.385
20	7	8.453	8.128	-0.325
20	8	8.451	8.077	-0.374
20	9	8.442	8.153	-0.289
20	10	8.454	8.065	-0.389
35	11	8.466	8.092	-0.374
35	12	8.434	8.164	-0.270
35	13	8.436	8.085	-0.351
35	14	8.520	8.151	-0.369
35	15	8.528	8.158	-0.370
30	16	8.439	8.196	-0.243
30	17	8.434	8.092	-0.342
30	18	8.456	8.062	-0.394
30	19	8.438	8.208	-0.230
30	20	8.436	8.104	-0.332
55	21	8.458	8.115	-0.343
55	22	8.470	8.086	-0.384
55	23	8.466	8.098	-0.368
55	24	8.426	8.145	-0.281
55	25	8.445	8.166	-0.279
55	26	8.488	8.160	-0.328
55	27	8.441	8.192	-0.249
55	28	8.457	8.155	-0.302
55	29	8.455	8.132	-0.323
55	30	8.428	8.172	-0.256
55	31	8.431	8.180	-0.251
55	32	8.438	8.104	-0.334
55	33	8.447	8.192	-0.255
55	34	8.418	8.143	-0.275
55	35	8.448	8.004	-0.444
55	36	8.429	8.095	-0.334
55	37	8.417	8.123	-0.294
55	38	8.445	8.102	-0.343
55	39	8.455	8.126	-0.329
55	40	8.519	8.211	-0.308
55	41	8.445	8.181	-0.264
55	42	8.444	8.144	-0.300
50	43	8.428	8.126	-0.302
50	44	8.420	8.142	-0.278
50	45	8.421	8.091	-0.330
50	46	8.490	8.181	-0.309
50	47	8.434	8.193	-0.241
Max		8.528	8.211	-0.230
Average		8.447	8.128	-0.319
Min		8.417	8.004	-0.444
Std Dev		0.026	0.047	0.049



9.46_T_SYNC_FALL_2MHz_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	8.096	8.058	8.063	8.062	8.085	8.091	8.004
Average	8.096	8.096	8.102	8.132	8.130	8.147	8.138
Max	8.096	8.153	8.171	8.208	8.164	8.193	8.211
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

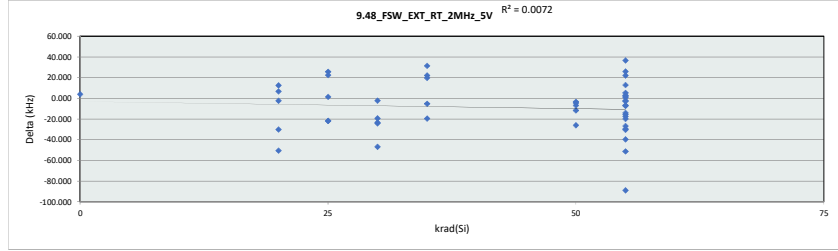


**HDR TID Report
TPS7H5007-SEP**

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

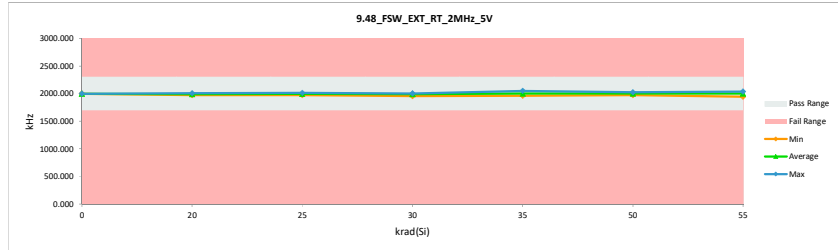
9.48_FSW_EXT_RT_2MHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	2300
Min Limit	1700

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1995.806	1999.696	3.890
25	1	1977.795	2003.279	25.484
25	2	1994.490	1972.541	-21.949
25	3	1991.315	1992.613	1.298
25	4	2014.332	1992.291	-22.041
25	5	1991.727	2014.053	22.326
20	6	1979.527	1986.112	6.585
20	7	1974.709	1986.962	12.253
20	8	2005.920	1975.644	-30.276
20	9	2007.152	2004.686	-2.466
20	10	2057.709	2007.010	-50.699
35	11	2032.208	2051.744	19.536
35	12	2001.731	2023.662	21.931
35	13	2004.594	1984.878	-19.716
35	14	1972.463	2003.775	31.312
35	15	1965.562	1960.158	-5.404
30	16	2003.935	1956.877	-47.058
30	17	2003.896	2001.461	-2.435
30	18	2019.124	1999.618	-19.506
30	19	2027.950	2004.338	-23.612
30	20	2030.417	2006.053	-24.364
55	21	2022.435	2019.565	-2.870
55	22	1993.247	2005.942	12.695
55	23	2021.080	1981.294	-39.786
55	24	2013.460	2016.184	2.724
55	25	2013.976	2007.093	-6.883
55	26	1987.390	2009.272	21.882
55	27	1996.314	1944.827	-51.487
55	28	1995.087	2000.294	5.207
55	29	2006.593	2007.256	0.663
55	30	2030.518	2003.626	-26.892
55	31	2010.764	1995.115	-15.649
55	32	1988.709	1986.385	-2.324
55	33	2044.051	2014.320	-29.731
55	34	2013.424	2039.235	25.811
55	35	2021.684	1991.159	-30.525
55	36	2023.819	2016.329	-7.490
55	37	2026.931	2012.714	-14.217
55	38	2030.695	2012.980	-17.715
55	39	2027.116	2007.130	-19.986
55	40	1985.641	1987.390	1.749
55	41	2048.018	1958.881	-89.137
55	42	1996.640	2033.095	36.455
50	43	2010.400	2003.400	-7.000
50	44	2028.926	2025.416	-3.510
50	45	2020.207	2008.319	-11.888
50	46	1998.485	1972.303	-26.182
50	47	2020.555	2015.883	-4.672
Max		2057.709	2051.744	36.455
Average		2008.928	2000.060	-8.868
Min		1965.562	1944.827	-89.137
Std Dev		20.262	21.004	24.249



9.48_FSW_EXT_RT_2MHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	1999.696	1975.644	1972.541	1956.877	1960.158	1972.303	1944.827
Average	1999.696	1992.083	1994.955	1993.669	2004.843	2005.064	2002.277
Max	1999.696	2007.010	2014.053	2006.053	2051.744	2025.416	2039.235
UL	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000

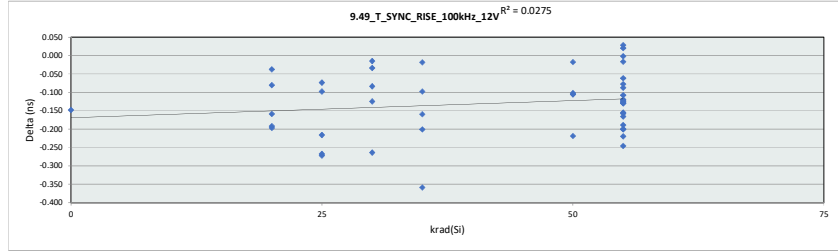


**HDR TID Report
TPS7H5007-SEP**

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

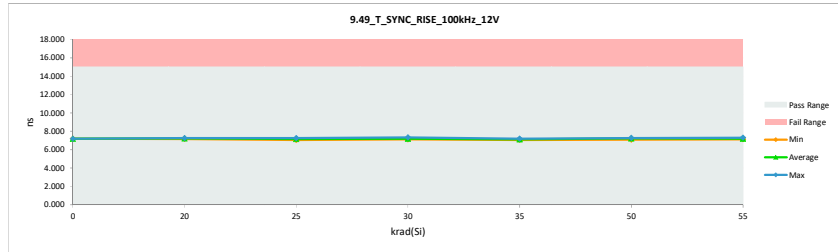
9.49_T_SYNC_RISE_100kHz_12	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.339	7.191	-0.148
25	1	7.322	7.106	-0.216
25	2	7.408	7.140	-0.268
25	3	7.354	7.256	-0.098
25	4	7.278	7.204	-0.074
25	5	7.320	7.048	-0.272
20	6	7.367	7.175	-0.192
20	7	7.447	7.250	-0.197
20	8	7.343	7.262	-0.081
20	9	7.379	7.220	-0.159
20	10	7.304	7.266	-0.038
35	11	7.342	7.182	-0.160
35	12	7.222	7.203	-0.019
35	13	7.289	7.088	-0.201
35	14	7.197	7.099	-0.098
35	15	7.436	7.077	-0.359
30	16	7.234	7.200	-0.034
30	17	7.236	7.111	-0.125
30	18	7.387	7.123	-0.264
30	19	7.352	7.337	-0.015
30	20	7.299	7.215	-0.084
55	21	7.277	7.169	-0.108
55	22	7.316	7.150	-0.166
55	23	7.285	7.158	-0.127
55	24	7.322	7.167	-0.155
55	25	7.341	7.183	-0.158
55	26	7.195	7.215	0.020
55	27	7.330	7.130	-0.200
55	28	7.390	7.201	-0.189
55	29	7.289	7.272	-0.017
55	30	7.283	7.205	-0.078
55	31	7.327	7.207	-0.120
55	32	7.305	7.217	-0.088
55	33	7.375	7.174	-0.201
55	34	7.253	7.281	0.028
55	35	7.284	7.154	-0.130
55	36	7.318	7.188	-0.130
55	37	7.317	7.195	-0.122
55	38	7.299	7.173	-0.126
55	39	7.422	7.176	-0.246
55	40	7.293	7.291	-0.002
55	41	7.413	7.193	-0.220
55	42	7.366	7.304	-0.062
50	43	7.250	7.232	-0.018
50	44	7.311	7.092	-0.219
50	45	7.369	7.263	-0.106
50	46	7.333	7.228	-0.105
50	47	7.374	7.272	-0.102
Max		7.447	7.337	0.028
Average		7.323	7.193	-0.130
Min		7.195	7.048	-0.359
Std Dev		0.059	0.063	0.084



9.49_T_SYNC_RISE_100kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	15 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	7.191	7.175	7.048	7.111	7.077	7.092	7.130
Average	7.191	7.235	7.151	7.197	7.130	7.217	7.200
Max	7.191	7.266	7.256	7.337	7.203	7.272	7.304
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

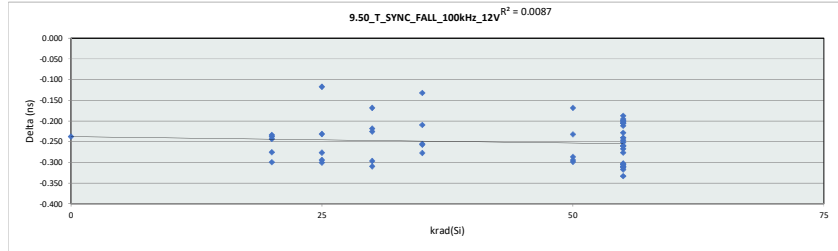


**HDR TID Report
TPS7H5007-SEP**

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

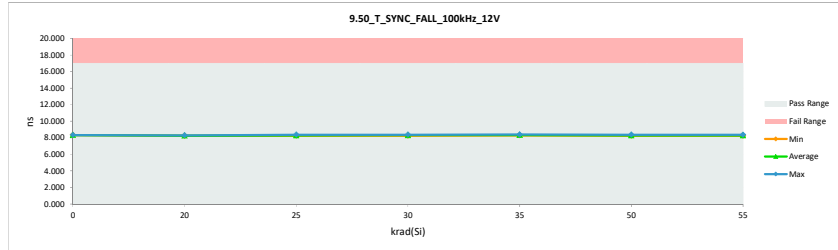
9.50_T_SYNC_FALL_100kHz_12	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	8.579	8.341		-0.238
25	1	8.573	8.341		-0.232
25	2	8.502	8.384		-0.118
25	3	8.535	8.258		-0.277
25	4	8.562	8.261		-0.301
25	5	8.545	8.250		-0.295
20	6	8.535	8.301		-0.234
20	7	8.512	8.268		-0.244
20	8	8.535	8.259		-0.276
20	9	8.503	8.265		-0.238
20	10	8.539	8.239		-0.300
35	11	8.554	8.296		-0.258
35	12	8.609	8.331		-0.278
35	13	8.564	8.354		-0.210
35	14	8.615	8.359		-0.256
35	15	8.524	8.391		-0.133
30	16	8.559	8.249		-0.310
30	17	8.572	8.275		-0.297
30	18	8.550	8.331		-0.219
30	19	8.543	8.374		-0.169
30	20	8.558	8.332		-0.226
55	21	8.572	8.295		-0.277
55	22	8.547	8.341		-0.206
55	23	8.600	8.289		-0.311
55	24	8.529	8.317		-0.212
55	25	8.555	8.245		-0.310
55	26	8.591	8.288		-0.303
55	27	8.542	8.354		-0.188
55	28	8.508	8.305		-0.203
55	29	8.579	8.245		-0.334
55	30	8.565	8.336		-0.229
55	31	8.573	8.255		-0.318
55	32	8.559	8.307		-0.252
55	33	8.518	8.277		-0.241
55	34	8.566	8.253		-0.313
55	35	8.549	8.349		-0.200
55	36	8.525	8.264		-0.261
55	37	8.539	8.279		-0.260
55	38	8.560	8.313		-0.247
55	39	8.533	8.265		-0.268
55	40	8.584	8.278		-0.306
55	41	8.552	8.346		-0.206
55	42	8.558	8.362		-0.196
50	43	8.597	8.302		-0.295
50	44	8.552	8.383		-0.169
50	45	8.533	8.266		-0.287
50	46	8.547	8.248		-0.299
50	47	8.540	8.307		-0.233
	Max	8.615	8.391		-0.118
	Average	8.553	8.303		-0.251
	Min	8.502	8.239		-0.334
	Std Dev	0.026	0.044		0.050



9.50_T_SYNC_FALL_100kHz_1	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 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	8.341	8.239	8.250	8.249	8.296	8.248	8.245
Average	8.341	8.266	8.299	8.312	8.346	8.301	8.298
Max	8.341	8.301	8.384	8.374	8.391	8.383	8.362
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

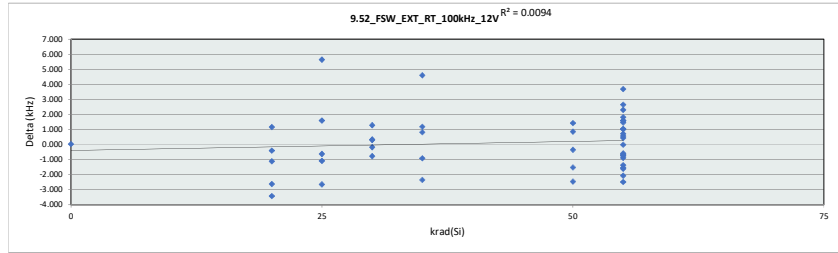


**HDR TID Report
TPS7H5007-SEP**

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

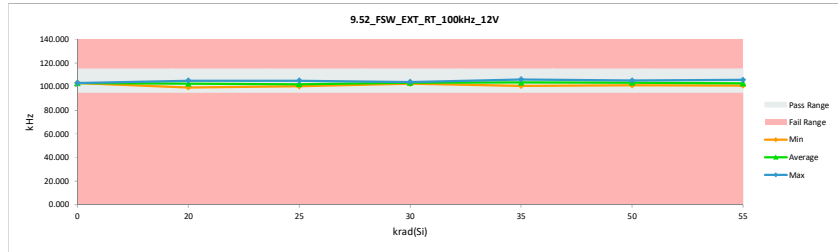
9.52_FSW_EXT_RT_100kHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz kHz
Max Limit	115
Min Limit	95

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	103.165	103.183	0.018
25	1	100.469	102.056	1.587
25	2	101.087	100.459	-0.628
25	3	101.901	100.810	-1.091
25	4	105.096	102.440	-2.656
25	5	99.477	105.105	5.628
20	6	102.095	99.466	-2.629
20	7	100.836	101.996	1.160
20	8	104.608	101.174	-3.434
20	9	104.887	104.474	-0.413
20	10	106.273	105.154	-1.119
35	11	105.420	106.228	0.808
35	12	100.779	105.370	4.591
35	13	103.077	100.718	-2.359
35	14	101.942	103.118	1.176
35	15	103.341	102.417	-0.924
30	16	103.240	103.529	0.289
30	17	103.392	103.717	0.325
30	18	102.802	104.079	1.277
30	19	103.301	102.523	-0.778
30	20	103.254	103.075	-0.179
55	21	103.043	103.473	0.430
55	22	101.437	102.888	1.451
55	23	100.180	101.991	1.811
55	24	103.096	101.016	-2.080
55	25	102.546	103.550	1.004
55	26	101.725	103.304	1.579
55	27	104.079	101.586	-2.493
55	28	102.593	104.894	2.291
55	29	101.093	102.674	1.581
55	30	102.511	101.132	-1.379
55	31	102.336	102.890	0.554
55	32	102.395	102.374	-0.021
55	33	103.894	102.269	-1.625
55	34	102.494	103.206	0.712
55	35	103.089	102.488	-0.601
55	36	102.921	103.949	1.028
55	37	104.267	103.509	-0.758
55	38	105.683	104.134	-1.549
55	39	102.120	105.792	3.672
55	40	102.452	101.780	-0.672
55	41	103.521	102.619	-0.902
55	42	100.944	103.586	2.642
50	43	103.665	101.193	-2.472
50	44	104.684	103.152	-1.532
50	45	102.803	104.216	1.413
50	46	104.417	105.262	0.845
50	47	102.812	102.463	-0.349
Max		106.273	106.228	5.628
Average		102.859	102.968	0.109
Min		99.477	99.466	-3.434
Std Dev		1.466	1.478	1.879



9.52_FSW_EXT_RT_100kHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz kHz
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	103.183	99.466	100.459	102.523	100.718	101.193	101.016
Average	103.183	102.453	102.174	103.385	103.570	103.257	102.959
Max	103.183	105.154	105.105	104.079	106.228	105.262	105.792
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000

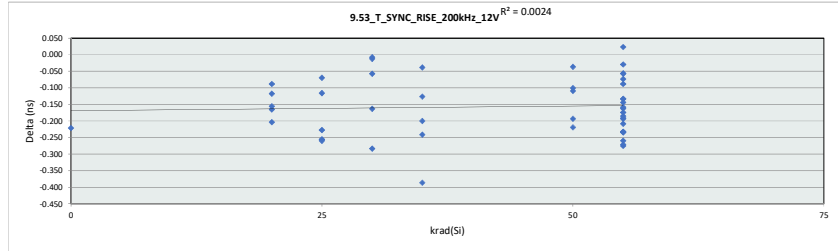


**HDR TID Report
TPS7H5007-SEP**

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

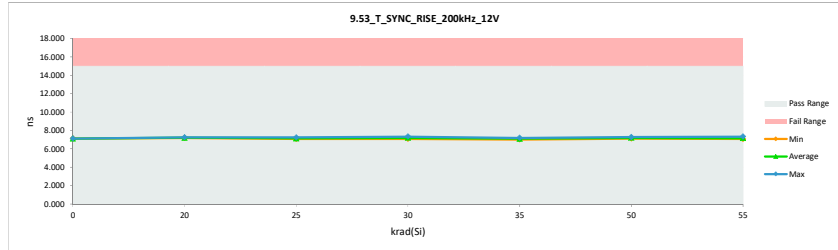
9.53_T_SYNC_RISE_200kHz_12	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	7.334	7.112		-0.222
25	1	7.297	7.069		-0.228
25	2	7.406	7.150		-0.256
25	3	7.356	7.239		-0.117
25	4	7.253	7.183		-0.070
25	5	7.314	7.054		-0.260
20	6	7.357	7.191		-0.166
20	7	7.430	7.226		-0.204
20	8	7.337	7.248		-0.089
20	9	7.365	7.209		-0.156
20	10	7.302	7.184		-0.118
35	11	7.332	7.131		-0.201
35	12	7.226	7.187		-0.039
35	13	7.262	7.020		-0.242
35	14	7.219	7.092		-0.127
35	15	7.442	7.055		-0.387
30	16	7.252	7.244		-0.008
30	17	7.232	7.068		-0.164
30	18	7.371	7.087		-0.284
30	19	7.346	7.333		-0.013
30	20	7.292	7.234		-0.058
55	21	7.256	7.182		-0.074
55	22	7.294	7.160		-0.134
55	23	7.297	7.063		-0.234
55	24	7.297	7.103		-0.194
55	25	7.333	7.170		-0.163
55	26	7.207	7.177		-0.030
55	27	7.324	7.064		-0.260
55	28	7.406	7.171		-0.235
55	29	7.290	7.233		-0.057
55	30	7.276	7.142		-0.134
55	31	7.306	7.161		-0.145
55	32	7.288	7.199		-0.089
55	33	7.377	7.144		-0.233
55	34	7.242	7.185		-0.057
55	35	7.285	7.093		-0.192
55	36	7.329	7.143		-0.186
55	37	7.345	7.136		-0.209
55	38	7.284	7.125		-0.159
55	39	7.407	7.131		-0.276
55	40	7.299	7.322		0.023
55	41	7.403	7.131		-0.272
55	42	7.359	7.184		-0.175
50	43	7.231	7.194		-0.037
50	44	7.316	7.122		-0.194
50	45	7.398	7.178		-0.220
50	46	7.326	7.216		-0.110
50	47	7.383	7.282		-0.101
Max		7.442	7.333		0.023
Average		7.318	7.161		-0.157
Min		7.207	7.020		-0.387
Std Dev		0.059	0.069		0.088



9.53_T_SYNC_RISE_200kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	15 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	7.112	7.184	7.054	7.068	7.020	7.122	7.063
Average	7.112	7.212	7.139	7.193	7.097	7.198	7.155
Max	7.112	7.248	7.239	7.333	7.187	7.282	7.322
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

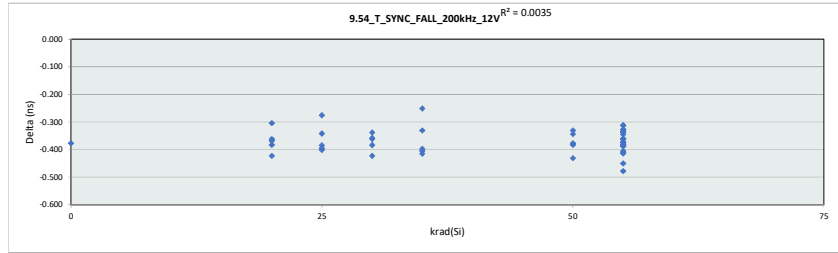


**HDR TID Report
TPS7H5007-SEP**

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

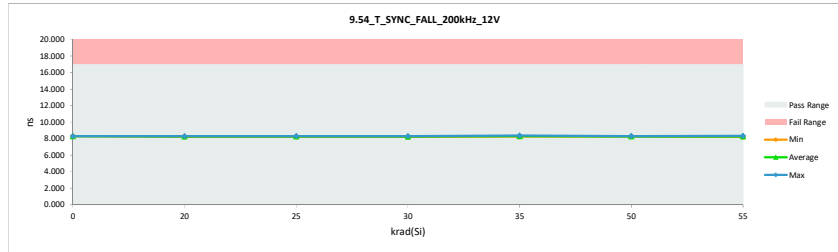
9.54_T_SYNC_FALL_200kHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.680	8.302	-0.378
25	1	8.685	8.299	-0.386
25	2	8.597	8.320	-0.277
25	3	8.627	8.231	-0.396
25	4	8.659	8.257	-0.402
25	5	8.637	8.294	-0.343
20	6	8.644	8.281	-0.363
20	7	8.607	8.237	-0.370
20	8	8.628	8.244	-0.384
20	9	8.594	8.299	-0.295
20	10	8.637	8.213	-0.424
35	11	8.643	8.245	-0.398
35	12	8.699	8.283	-0.416
35	13	8.661	8.329	-0.332
35	14	8.693	8.287	-0.406
35	15	8.620	8.368	-0.252
30	16	8.647	8.223	-0.424
30	17	8.661	8.299	-0.362
30	18	8.628	8.289	-0.339
30	19	8.654	8.269	-0.385
30	20	8.650	8.291	-0.359
55	21	8.652	8.279	-0.373
55	22	8.646	8.272	-0.374
55	23	8.679	8.264	-0.415
55	24	8.630	8.302	-0.328
55	25	8.648	8.267	-0.381
55	26	8.681	8.296	-0.385
55	27	8.636	8.275	-0.361
55	28	8.602	8.288	-0.314
55	29	8.690	8.211	-0.479
55	30	8.638	8.309	-0.329
55	31	8.665	8.302	-0.363
55	32	8.662	8.287	-0.375
55	33	8.613	8.274	-0.339
55	34	8.669	8.262	-0.407
55	35	8.667	8.277	-0.390
55	36	8.615	8.280	-0.335
55	37	8.647	8.235	-0.412
55	38	8.667	8.321	-0.346
55	39	8.634	8.272	-0.362
55	40	8.680	8.229	-0.451
55	41	8.656	8.271	-0.385
55	42	8.643	8.330	-0.313
50	43	8.690	8.258	-0.432
50	44	8.650	8.318	-0.332
50	45	8.646	8.301	-0.345
50	46	8.642	8.258	-0.384
50	47	8.655	8.277	-0.378
Max		8.699	8.368	-0.252
Average		8.649	8.278	-0.371
Min		8.594	8.211	-0.479
Std Dev		0.026	0.032	0.043



9.54_T_SYNC_FALL_200kHz_1	
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	8.302	8.213	8.231	8.223	8.245	8.258	8.211
Average	8.302	8.253	8.280	8.274	8.302	8.282	8.277
Max	8.302	8.289	8.320	8.299	8.368	8.318	8.330
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

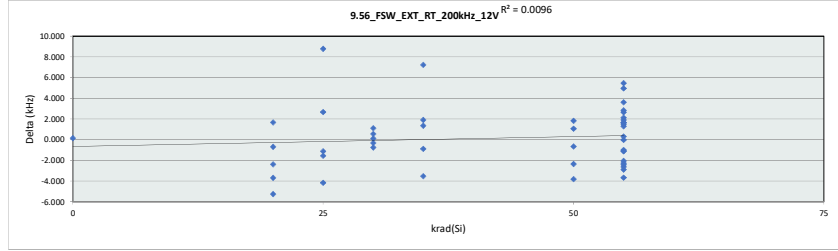


**HDR TID Report
TPS7H5007-SEP**

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

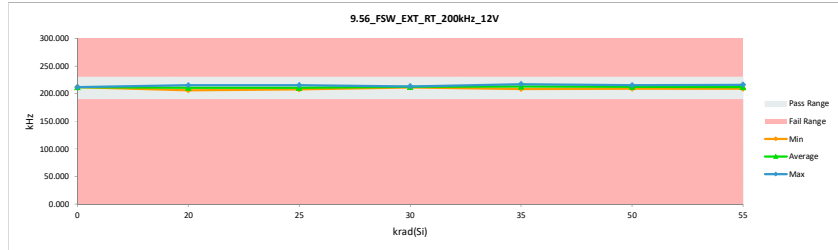
9.56_FSW_EXT_RT_200kHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	230
Min Limit	190

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	211.662	211.784		0.122
25	1	207.744	210.400		2.656
25	2	208.962	207.817		-1.145
25	3	210.023	208.457		-1.566
25	4	215.073	210.887		-4.186
25	5	206.364	215.128		8.764
20	6	210.026	206.312		-3.714
20	7	208.357	210.003		1.646
20	8	214.173	208.905		-5.268
20	9	214.661	213.949		-0.712
20	10	217.521	215.122		-2.399
35	11	216.043	217.368		1.325
35	12	208.750	215.959		7.209
35	13	212.189	208.638		-3.551
35	14	210.348	212.238		1.890
35	15	211.971	211.059		-0.912
30	16	212.196	212.285		0.089
30	17	212.347	212.884		0.537
30	18	212.131	213.227		1.096
30	19	212.298	211.526		-0.772
30	20	212.289	211.955		-0.334
55	21	212.325	212.610		0.285
55	22	209.182	212.004		2.822
55	23	208.219	210.102		1.883
55	24	211.745	209.460		-2.285
55	25	211.227	212.509		1.282
55	26	209.875	212.504		2.629
55	27	213.315	209.623		-3.692
55	28	211.078	214.675		3.597
55	29	209.177	211.283		2.106
55	30	211.824	209.169		-2.655
55	31	210.716	212.344		1.628
55	32	210.856	210.814		-0.042
55	33	213.670	210.764		-2.906
55	34	211.124	212.757		1.633
55	35	212.170	211.045		-1.125
55	36	212.051	213.531		1.480
55	37	213.996	212.981		-1.015
55	38	216.107	213.660		-2.447
55	39	210.680	216.125		5.445
55	40	211.223	210.111		-1.112
55	41	213.440	211.361		-2.079
55	42	208.734	213.665		4.931
50	43	212.983	209.155		-3.828
50	44	214.461	212.101		-2.360
50	45	211.810	213.613		1.803
50	46	214.224	215.258		1.034
50	47	211.790	211.117		-0.673
	Max	217.521	217.368		8.764
	Average	211.732	211.880		0.148
	Min	206.364	206.312		-5.268
	Std Dev	2.312	2.309		2.916



9.56_FSW_EXT_RT_200kHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	211.784	206.312	207.817	211.526	208.638	209.155	209.169
Average	211.784	210.858	210.538	212.375	213.052	212.249	211.959
Max	211.784	215.122	215.128	213.227	217.368	215.258	216.125
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000

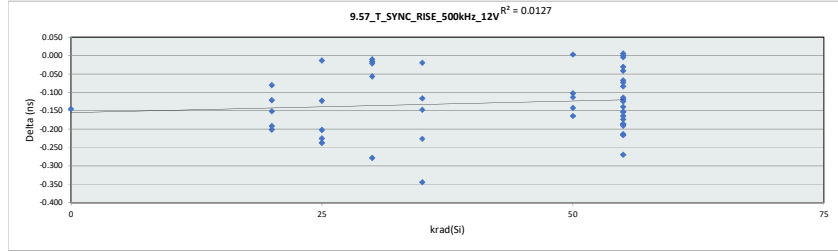


**HDR TID Report
TPS7H5007-SEP**

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

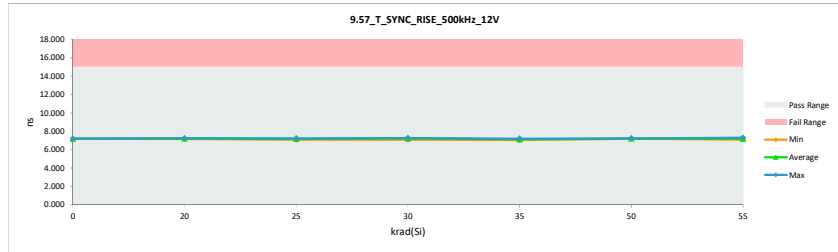
9.57_T_SYNC_RISE_500kHz_12	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	7.324	7.178		-0.146
25	1	7.296	7.070		-0.226
25	2	7.409	7.171		-0.238
25	3	7.339	7.216		-0.123
25	4	7.258	7.244		-0.014
25	5	7.308	7.105		-0.203
20	6	7.338	7.186		-0.152
20	7	7.434	7.242		-0.192
20	8	7.335	7.254		-0.081
20	9	7.373	7.171		-0.202
20	10	7.303	7.181		-0.122
35	11	7.328	7.180		-0.148
35	12	7.223	7.203		-0.020
35	13	7.268	7.041		-0.227
35	14	7.216	7.099		-0.117
35	15	7.411	7.066		-0.345
30	16	7.236	7.225		-0.011
30	17	7.222	7.200		-0.022
30	18	7.366	7.087		-0.279
30	19	7.328	7.271		-0.057
30	20	7.298	7.281		-0.017
55	21	7.251	7.183		-0.068
55	22	7.302	7.116		-0.186
55	23	7.282	7.157		-0.125
55	24	7.315	7.150		-0.165
55	25	7.321	7.168		-0.153
55	26	7.206	7.206		0.000
55	27	7.298	7.110		-0.188
55	28	7.384	7.170		-0.214
55	29	7.293	7.288		-0.005
55	30	7.268	7.194		-0.074
55	31	7.317	7.163		-0.154
55	32	7.288	7.204		-0.084
55	33	7.363	7.146		-0.217
55	34	7.249	7.207		-0.042
55	35	7.273	7.153		-0.120
55	36	7.314	7.140		-0.174
55	37	7.312	7.197		-0.115
55	38	7.276	7.245		-0.031
55	39	7.410	7.140		-0.270
55	40	7.293	7.298		0.005
55	41	7.388	7.197		-0.191
55	42	7.361	7.221		-0.140
50	43	7.232	7.234		0.002
50	44	7.287	7.173		-0.114
50	45	7.366	7.201		-0.165
50	46	7.325	7.222		-0.103
50	47	7.357	7.214		-0.143
Max		7.434	7.298		0.005
Average		7.311	7.183		-0.129
Min		7.206	7.041		-0.345
Std Dev		0.055	0.058		0.084



9.57_T_SYNC_RISE_500kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	15 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	7.178	7.171	7.070	7.087	7.041	7.173	7.110
Average	7.178	7.207	7.161	7.213	7.118	7.209	7.184
Max	7.178	7.254	7.244	7.281	7.203	7.234	7.298
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000



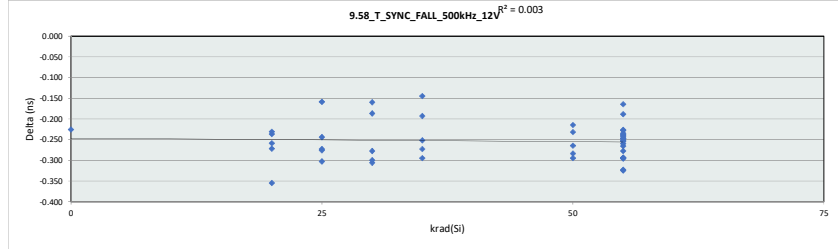
**HDR TID Report
TPS7H5007-SEP**

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	0	0

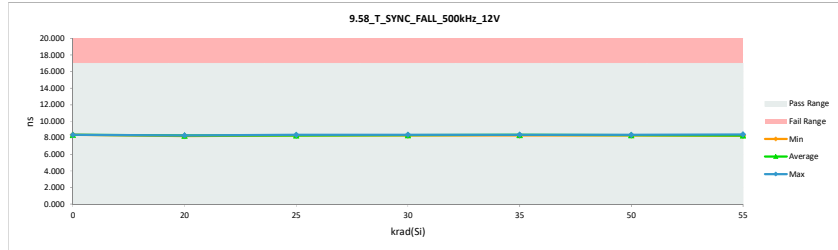
krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.594	8.368	-0.226
25	1	8.598	8.322	-0.276
25	2	8.519	8.360	-0.159
25	3	8.539	8.266	-0.273
25	4	8.575	8.331	-0.244
25	5	8.573	8.270	-0.303
20	6	8.557	8.298	-0.259
20	7	8.526	8.295	-0.231
20	8	8.540	8.268	-0.272
20	9	8.524	8.287	-0.237
20	10	8.570	8.215	-0.355
35	11	8.567	8.315	-0.252
35	12	8.604	8.309	-0.295
35	13	8.580	8.387	-0.193
35	14	8.623	8.350	-0.273
35	15	8.535	8.390	-0.145
30	16	8.572	8.272	-0.300
30	17	8.574	8.268	-0.306
30	18	8.547	8.387	-0.160
30	19	8.586	8.308	-0.278
30	20	8.564	8.377	-0.187
55	21	8.571	8.276	-0.295
55	22	8.575	8.281	-0.294
55	23	8.611	8.315	-0.296
55	24	8.551	8.303	-0.248
55	25	8.556	8.296	-0.260
55	26	8.610	8.332	-0.278
55	27	8.562	8.334	-0.228
55	28	8.514	8.271	-0.243
55	29	8.588	8.263	-0.325
55	30	8.578	8.330	-0.248
55	31	8.573	8.346	-0.227
55	32	8.576	8.336	-0.240
55	33	8.532	8.343	-0.189
55	34	8.583	8.260	-0.323
55	35	8.570	8.317	-0.253
55	36	8.541	8.294	-0.247
55	37	8.555	8.317	-0.238
55	38	8.570	8.316	-0.254
55	39	8.555	8.320	-0.235
55	40	8.603	8.309	-0.294
55	41	8.575	8.410	-0.165
55	42	8.562	8.296	-0.266
50	43	8.602	8.307	-0.295
50	44	8.572	8.357	-0.215
50	45	8.588	8.356	-0.232
50	46	8.572	8.288	-0.284
50	47	8.575	8.310	-0.265
Max		8.623	8.410	-0.145
Average		8.568	8.315	-0.253
Min		8.514	8.215	-0.355
Std Dev		0.025	0.040	0.046



9.58_T_SYNC_FALL_500kHz_1

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	8.368	8.215	8.266	8.268	8.309	8.288	8.260
Average	8.368	8.273	8.310	8.322	8.350	8.324	8.312
Max	8.368	8.298	8.360	8.387	8.390	8.357	8.410
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

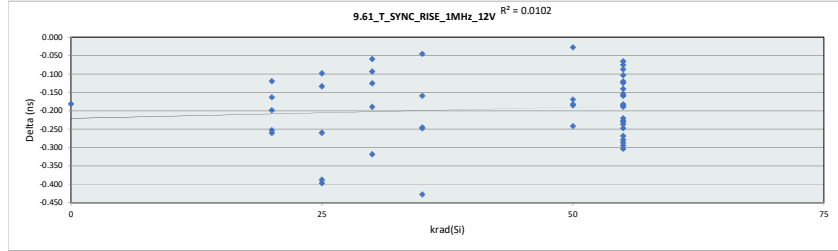


**HDR TID Report
TPS7H5007-SEP**

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

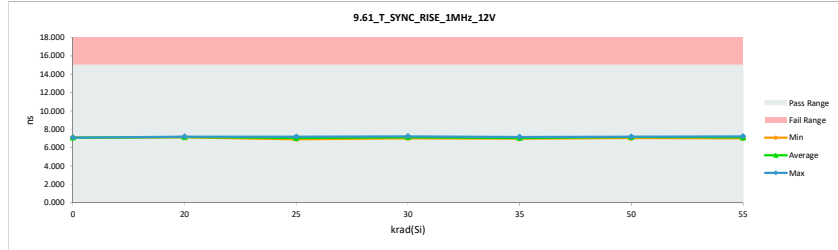
9.61_T_SYNC_RISE_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.287	7.105	-0.182
25	1	7.284	7.024	-0.260
25	2	7.403	7.006	-0.397
25	3	7.325	7.191	-0.134
25	4	7.249	7.150	-0.099
25	5	7.316	6.928	-0.388
20	6	7.372	7.119	-0.253
20	7	7.433	7.172	-0.261
20	8	7.324	7.204	-0.120
20	9	7.372	7.173	-0.199
20	10	7.288	7.124	-0.164
35	11	7.336	7.090	-0.246
35	12	7.210	7.164	-0.046
35	13	7.268	7.020	-0.248
35	14	7.202	7.042	-0.160
35	15	7.419	6.991	-0.428
30	16	7.229	7.169	-0.060
30	17	7.224	7.034	-0.190
30	18	7.364	7.045	-0.319
30	19	7.331	7.237	-0.094
30	20	7.299	7.173	-0.126
55	21	7.261	7.140	-0.121
55	22	7.297	7.107	-0.190
55	23	7.266	7.106	-0.160
55	24	7.308	7.080	-0.228
55	25	7.332	7.111	-0.221
55	26	7.194	7.118	-0.076
55	27	7.312	7.008	-0.304
55	28	7.403	7.123	-0.280
55	29	7.298	7.194	-0.104
55	30	7.265	7.110	-0.155
55	31	7.300	7.052	-0.248
55	32	7.291	7.166	-0.125
55	33	7.362	7.075	-0.287
55	34	7.238	7.150	-0.088
55	35	7.286	7.056	-0.230
55	36	7.320	7.083	-0.237
55	37	7.319	7.136	-0.183
55	38	7.249	7.108	-0.141
55	39	7.402	7.107	-0.295
55	40	7.296	7.230	-0.066
55	41	7.355	7.086	-0.269
55	42	7.378	7.191	-0.187
50	43	7.226	7.198	-0.028
50	44	7.298	7.056	-0.242
50	45	7.356	7.170	-0.186
50	46	7.317	7.134	-0.183
50	47	7.369	7.199	-0.170
Max		7.433	7.237	-0.028
Average		7.309	7.114	-0.195
Min		7.194	6.928	-0.428
Std Dev		0.059	0.068	0.091



9.61_T_SYNC_RISE_1MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	15 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	7.105	7.119	6.928	7.034	6.991	7.056	7.008
Average	7.105	7.158	7.060	7.132	7.061	7.151	7.115
Max	7.105	7.204	7.191	7.237	7.164	7.199	7.230
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

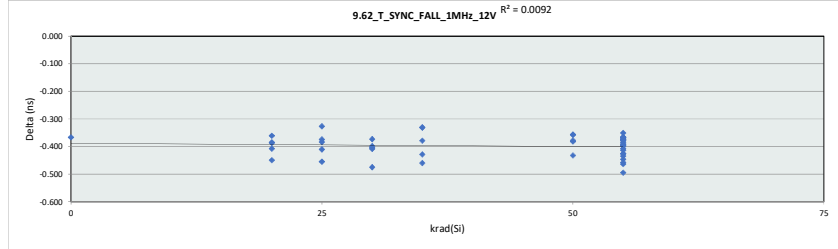


**HDR TID Report
TPS7H5007-SEP**

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

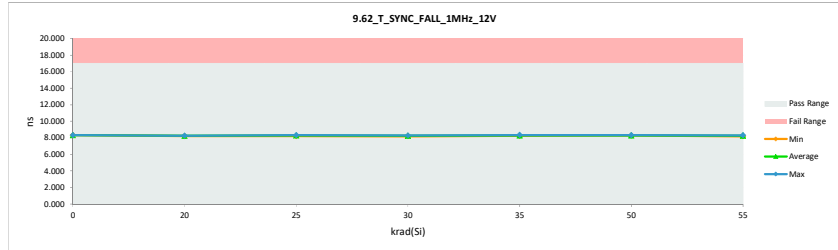
9.62_T_SYNC_FALL_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.686	8.319	-0.367
25	1	8.706	8.322	-0.384
25	2	8.622	8.295	-0.327
25	3	8.631	8.256	-0.375
25	4	8.670	8.215	-0.455
25	5	8.661	8.250	-0.411
20	6	8.650	8.265	-0.385
20	7	8.629	8.242	-0.387
20	8	8.630	8.222	-0.408
20	9	8.600	8.239	-0.361
20	10	8.643	8.193	-0.450
35	11	8.644	8.265	-0.379
35	12	8.709	8.249	-0.460
35	13	8.674	8.343	-0.331
35	14	8.715	8.286	-0.429
35	15	8.630	8.298	-0.332
30	16	8.666	8.191	-0.475
30	17	8.668	8.264	-0.404
30	18	8.644	8.270	-0.374
30	19	8.666	8.267	-0.399
30	20	8.663	8.254	-0.409
55	21	8.660	8.233	-0.427
55	22	8.674	8.279	-0.395
55	23	8.703	8.245	-0.458
55	24	8.654	8.277	-0.377
55	25	8.653	8.280	-0.373
55	26	8.704	8.240	-0.464
55	27	8.651	8.272	-0.379
55	28	8.607	8.241	-0.366
55	29	8.686	8.191	-0.495
55	30	8.652	8.253	-0.399
55	31	8.666	8.231	-0.435
55	32	8.672	8.306	-0.366
55	33	8.633	8.282	-0.351
55	34	8.669	8.261	-0.408
55	35	8.660	8.275	-0.385
55	36	8.630	8.255	-0.375
55	37	8.649	8.253	-0.396
55	38	8.693	8.267	-0.426
55	39	8.656	8.288	-0.368
55	40	8.701	8.254	-0.447
55	41	8.682	8.291	-0.391
55	42	8.666	8.252	-0.414
50	43	8.711	8.278	-0.433
50	44	8.655	8.297	-0.358
50	45	8.664	8.282	-0.382
50	46	8.658	8.280	-0.378
50	47	8.672	8.315	-0.357
Max		8.715	8.343	-0.327
Average		8.662	8.264	-0.398
Min		8.600	8.191	-0.495
Std Dev		0.027	0.032	0.039



9.62_T_SYNC_FALL_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	8.319	8.193	8.215	8.191	8.249	8.278	8.191
Average	8.319	8.232	8.268	8.249	8.288	8.290	8.260
Max	8.319	8.265	8.322	8.270	8.343	8.315	8.306
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

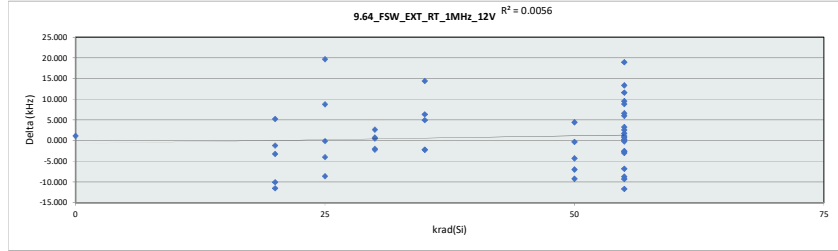


**HDR TID Report
TPS7H5007-SEP**

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

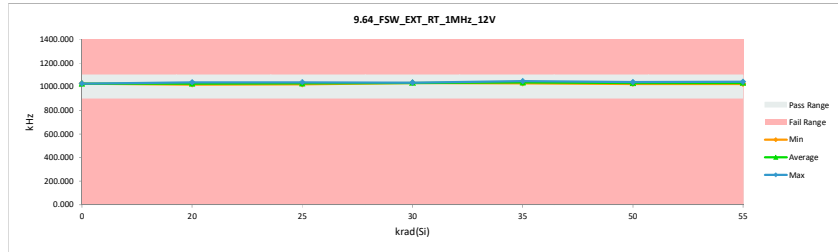
9.64_FSW_EXT_RT_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	1100
Min Limit	900

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1025.629	1026.770	1.141
25	1	1019.426	1028.162	8.736
25	2	1024.156	1020.163	-3.993
25	3	1024.592	1024.448	-0.144
25	4	1036.472	1027.857	-8.615
25	5	1018.370	1038.019	19.649
20	6	1020.325	1019.114	-1.211
20	7	1018.422	1023.639	5.217
20	8	1033.469	1021.831	-11.538
20	9	1035.199	1031.955	-3.244
20	10	1047.369	1037.298	-10.071
35	11	1040.937	1047.286	6.349
35	12	1027.206	1041.582	14.376
35	13	1030.511	1028.304	-2.207
35	14	1033.104	1030.874	-2.230
35	15	1029.529	1034.473	4.944
30	16	1030.517	1031.019	0.502
30	17	1030.577	1031.335	0.758
30	18	1034.616	1032.409	-2.207
30	19	1034.171	1032.199	-1.972
30	20	1032.476	1035.124	2.648
55	21	1035.072	1034.875	-0.197
55	22	1021.264	1034.617	13.353
55	23	1026.385	1023.394	-2.991
55	24	1027.456	1029.215	1.759
55	25	1029.341	1030.122	0.781
55	26	1029.442	1032.679	3.237
55	27	1029.204	1029.326	0.122
55	28	1024.441	1033.266	8.825
55	29	1026.289	1021.404	-4.885
55	30	1035.904	1026.619	-9.285
55	31	1027.803	1039.404	11.601
55	32	1023.266	1029.264	5.998
55	33	1038.158	1026.459	-11.699
55	34	1030.593	1037.193	6.600
55	35	1032.775	1030.082	-2.693
55	36	1034.992	1037.549	2.557
55	37	1036.670	1036.972	0.302
55	38	1042.626	1035.805	-6.821
55	39	1031.859	1041.394	9.535
55	40	1033.108	1030.580	-2.528
55	41	1041.655	1032.921	-8.734
55	42	1023.134	1042.060	18.926
50	43	1031.176	1024.185	-6.991
50	44	1037.649	1028.441	-9.208
50	45	1030.583	1035.003	4.420
50	46	1039.657	1039.349	-0.308
50	47	1030.710	1026.427	-4.283
Max		1047.369	1047.286	19.649
Average		1030.798	1031.637	0.839
Min		1018.370	1019.114	-11.699
Std Dev		6.521	6.055	7.399



9.64_FSW_EXT_RT_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	1026.770	1019.114	1020.163	1031.019	1028.304	1024.185	1023.394
Average	1026.770	1026.787	1027.730	1032.417	1036.504	1030.681	1032.782
Max	1026.770	1037.298	1038.019	1035.124	1047.286	1039.349	1042.060
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000

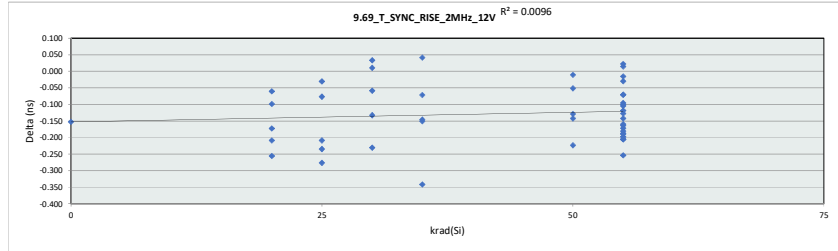


**HDR TID Report
TPS7H5007-SEP**

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

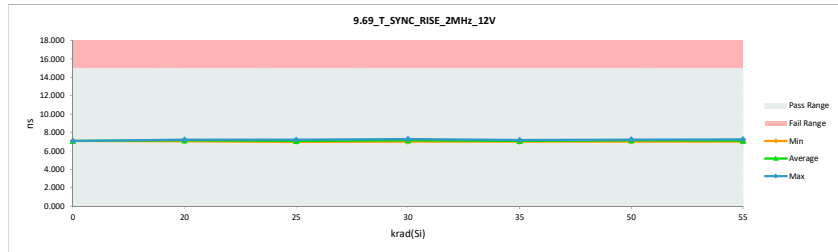
9.69_T_SYNC_RISE_2MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	15
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	7.227	7.074	-0.153
25	1	7.217	7.008	-0.209
25	2	7.318	7.041	-0.277
25	3	7.235	7.204	-0.031
25	4	7.187	7.110	-0.077
25	5	7.223	6.988	-0.235
20	6	7.308	7.052	-0.256
20	7	7.381	7.208	-0.173
20	8	7.233	7.172	-0.061
20	9	7.308	7.099	-0.209
20	10	7.246	7.147	-0.099
35	11	7.271	7.125	-0.146
35	12	7.136	7.177	0.041
35	13	7.165	7.014	-0.151
35	14	7.137	7.065	-0.072
35	15	7.366	7.024	-0.342
30	16	7.155	7.165	0.010
30	17	7.148	7.015	-0.133
30	18	7.296	7.065	-0.231
30	19	7.261	7.294	0.033
30	20	7.244	7.185	-0.059
55	21	7.186	7.085	-0.101
55	22	7.211	7.068	-0.143
55	23	7.207	7.079	-0.128
55	24	7.238	7.078	-0.160
55	25	7.272	7.084	-0.188
55	26	7.140	7.154	0.014
55	27	7.234	7.044	-0.190
55	28	7.306	7.125	-0.181
55	29	7.219	7.241	0.022
55	30	7.218	7.113	-0.105
55	31	7.231	7.112	-0.119
55	32	7.189	7.118	-0.071
55	33	7.293	7.121	-0.172
55	34	7.164	7.148	-0.016
55	35	7.230	7.024	-0.206
55	36	7.230	7.024	-0.206
55	37	7.228	7.132	-0.096
55	38	7.226	7.062	-0.164
55	39	7.350	7.096	-0.254
55	40	7.264	7.234	-0.030
55	41	7.340	7.142	-0.198
55	42	7.268	7.197	-0.071
50	43	7.157	7.146	-0.011
50	44	7.251	7.027	-0.224
50	45	7.298	7.155	-0.143
50	46	7.298	7.169	-0.129
50	47	7.282	7.230	-0.052
Max		7.381	7.294	0.041
Average		7.242	7.113	-0.128
Min		7.136	6.988	-0.342
Std Dev		0.061	0.071	0.089



9.69_T_SYNC_RISE_2MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	15
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	7.074	7.052	6.988	7.015	7.014	7.027	7.024
Average	7.074	7.136	7.070	7.145	7.081	7.145	7.113
Max	7.074	7.208	7.204	7.294	7.177	7.230	7.241
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

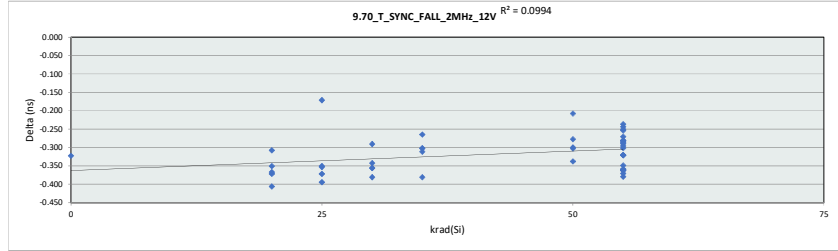


**HDR TID Report
TPS7H5007-SEP**

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	0 0

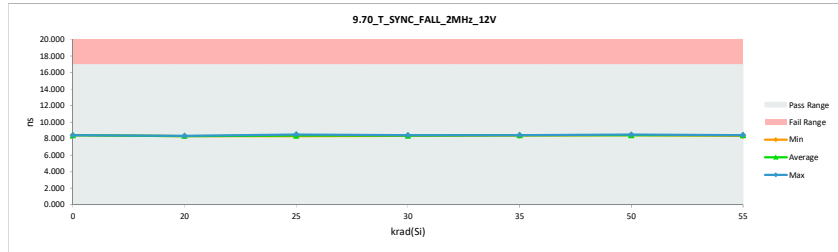
krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.727	8.404	-0.323
25	1	8.763	8.391	-0.372
25	2	8.674	8.502	-0.172
25	3	8.669	8.318	-0.351
25	4	8.712	8.317	-0.395
25	5	8.713	8.360	-0.353
20	6	8.695	8.328	-0.367
20	7	8.672	8.321	-0.351
20	8	8.695	8.323	-0.372
20	9	8.655	8.347	-0.308
20	10	8.706	8.300	-0.406
35	11	8.707	8.405	-0.302
35	12	8.749	8.446	-0.303
35	13	8.702	8.390	-0.312
35	14	8.758	8.377	-0.381
35	15	8.659	8.394	-0.265
30	16	8.710	8.354	-0.356
30	17	8.734	8.353	-0.381
30	18	8.696	8.353	-0.343
30	19	8.720	8.364	-0.356
30	20	8.701	8.410	-0.291
55	21	8.708	8.427	-0.281
55	22	8.701	8.380	-0.321
55	23	8.750	8.388	-0.362
55	24	8.689	8.406	-0.283
55	25	8.692	8.390	-0.302
55	26	8.750	8.379	-0.371
55	27	8.690	8.369	-0.321
55	28	8.654	8.417	-0.237
55	29	8.729	8.349	-0.380
55	30	8.706	8.410	-0.296
55	31	8.732	8.373	-0.359
55	32	8.717	8.436	-0.281
55	33	8.681	8.391	-0.290
55	34	8.732	8.369	-0.363
55	35	8.719	8.432	-0.287
55	36	8.676	8.425	-0.251
55	37	8.720	8.371	-0.349
55	38	8.710	8.439	-0.271
55	39	8.687	8.443	-0.244
55	40	8.727	8.366	-0.361
55	41	8.714	8.393	-0.321
55	42	8.697	8.443	-0.254
50	43	8.743	8.405	-0.338
50	44	8.691	8.483	-0.208
50	45	8.703	8.403	-0.300
50	46	8.706	8.403	-0.303
50	47	8.718	8.440	-0.278
	Max	8.763	8.502	-0.172
	Average	8.707	8.389	-0.318
	Min	8.654	8.300	-0.406
	Std Dev	0.026	0.043	0.051



9.70_T_SYNC_FALL_2MHz_12V

Test Site	
Tester	
Test Number	
Unit	ns ns
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	8.404	8.300	8.317	8.353	8.377	8.403	8.349
Average	8.404	8.324	8.378	8.367	8.402	8.427	8.400
Max	8.404	8.347	8.502	8.410	8.446	8.483	8.443
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

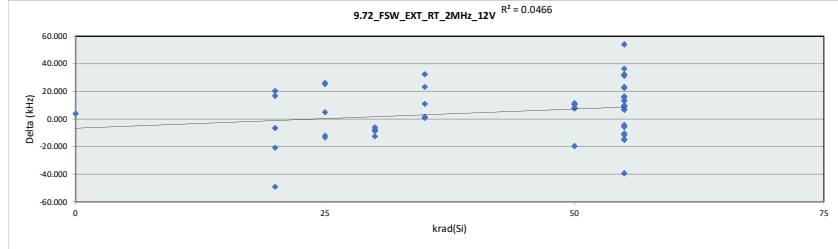


**HDR TID Report
TPS7H5007-SEP**

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

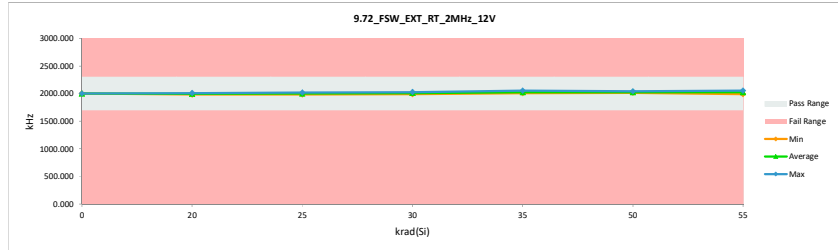
9.72_FSW_EXT_RT_2MHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	2300
Min Limit	1700

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1997.664	2001.409	3.745
25	1	1985.792	2011.990	26.198
25	2	1996.704	1984.560	-12.144
25	3	1994.083	1998.871	4.788
25	4	2016.797	2003.365	-13.432
25	5	1995.583	2020.893	25.310
20	6	1980.218	1996.960	16.742
20	7	1976.328	1996.523	20.195
20	8	2004.818	1983.891	-20.927
20	9	2007.092	2000.464	-6.628
20	10	2060.279	2011.051	-49.228
35	11	2033.728	2056.833	23.105
35	12	2009.141	2041.433	32.292
35	13	2005.905	2007.377	1.472
35	14	2022.422	2023.146	0.724
35	15	2002.907	2013.781	10.874
30	16	2005.818	1993.113	-12.705
30	17	2007.893	1999.976	-7.917
30	18	2020.893	2013.330	-7.563
30	19	2031.376	2022.610	-8.766
30	20	2034.669	2028.570	-6.099
55	21	2025.562	2041.655	16.093
55	22	1997.791	2029.037	31.246
55	23	2025.083	2013.381	-11.702
55	24	2016.618	2039.635	23.017
55	25	2015.600	2031.345	15.745
55	26	2014.563	2027.938	13.375
55	27	1997.096	1992.713	-4.383
55	28	1992.865	2015.214	22.349
55	29	2009.773	2019.319	9.546
55	30	2036.051	2025.403	-10.648
55	31	2016.638	2026.365	9.727
55	32	1988.551	2020.880	32.329
55	33	2045.159	2030.099	-15.060
55	34	2018.960	2055.400	36.440
55	35	2024.825	2031.547	6.722
55	36	2028.171	2041.259	13.088
55	37	2031.491	2038.239	6.748
55	38	2039.991	2034.215	-5.776
55	39	2027.380	2036.242	8.862
55	40	2026.284	2011.332	-14.952
55	41	2049.109	2009.735	-39.374
55	42	1997.096	2051.035	53.939
50	43	2012.906	2020.462	7.556
50	44	2031.937	2043.310	11.373
50	45	2022.819	2030.779	7.960
50	46	2037.422	2017.685	-19.737
50	47	2023.193	2033.465	10.272
Max		2060.279	2056.833	53.939
Average		2015.480	2020.372	4.891
Min		1976.328	1983.891	-49.228
Std Dev		18.442	18.009	19.449



9.72_FSW_EXT_RT_2MHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	2001.409	1983.891	1984.560	1993.113	2007.377	2017.685	1992.713
Average	2001.409	1997.778	2003.936	2011.520	2028.514	2029.140	2028.272
Max	2001.409	2011.051	2020.893	2028.570	2056.833	2043.310	2055.400
UL	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000

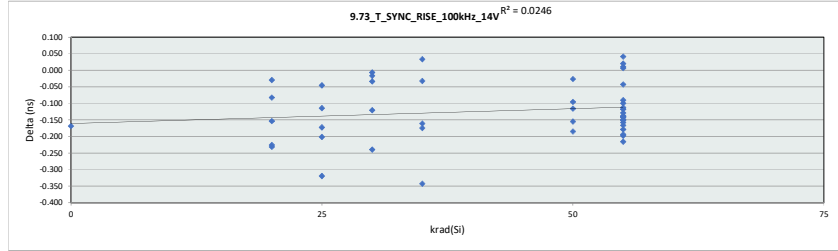


**HDR TID Report
TPS7H5007-SEP**

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

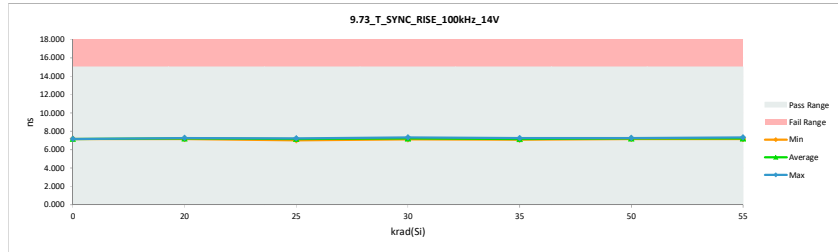
9.73_T_SYNC_RISE_100kHz_14	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.342	7.173	-0.169
25	1	7.331	7.158	-0.173
25	2	7.396	7.194	-0.202
25	3	7.350	7.235	-0.115
25	4	7.283	7.237	-0.046
25	5	7.330	7.010	-0.320
20	6	7.390	7.158	-0.232
20	7	7.466	7.240	-0.226
20	8	7.342	7.259	-0.083
20	9	7.390	7.236	-0.154
20	10	7.204	7.274	-0.070
35	11	7.347	7.172	-0.175
35	12	7.229	7.262	0.033
35	13	7.282	7.121	-0.161
35	14	7.207	7.174	-0.033
35	15	7.423	7.080	-0.343
30	16	7.248	7.231	-0.017
30	17	7.235	7.114	-0.121
30	18	7.377	7.137	-0.240
30	19	7.346	7.339	-0.007
30	20	7.321	7.287	-0.034
55	21	7.284	7.155	-0.129
55	22	7.311	7.168	-0.143
55	23	7.300	7.182	-0.118
55	24	7.324	7.183	-0.141
55	25	7.359	7.180	-0.179
55	26	7.217	7.237	0.020
55	27	7.347	7.180	-0.167
55	28	7.396	7.246	-0.150
55	29	7.308	7.318	0.010
55	30	7.288	7.197	-0.091
55	31	7.331	7.180	-0.151
55	32	7.304	7.261	-0.043
55	33	7.372	7.232	-0.140
55	34	7.256	7.262	0.006
55	35	7.289	7.167	-0.113
55	36	7.325	7.176	-0.158
55	37	7.359	7.161	-0.198
55	38	7.304	7.166	-0.138
55	39	7.426	7.210	-0.216
55	40	7.297	7.338	0.041
55	41	7.402	7.208	-0.194
55	42	7.369	7.269	-0.100
50	43	7.260	7.233	-0.027
50	44	7.326	7.171	-0.155
50	45	7.378	7.193	-0.185
50	46	7.354	7.238	-0.116
50	47	7.365	7.269	-0.096
	Max	7.466	7.339	0.041
	Average	7.329	7.206	-0.123
	Min	7.207	7.010	-0.343
	Std Dev	0.056	0.063	0.087



9.73_T_SYNC_RISE_100kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	15 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	7.173	7.158	7.010	7.114	7.080	7.171	7.155
Average	7.173	7.233	7.167	7.222	7.162	7.221	7.213
Max	7.173	7.274	7.237	7.339	7.262	7.269	7.338
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

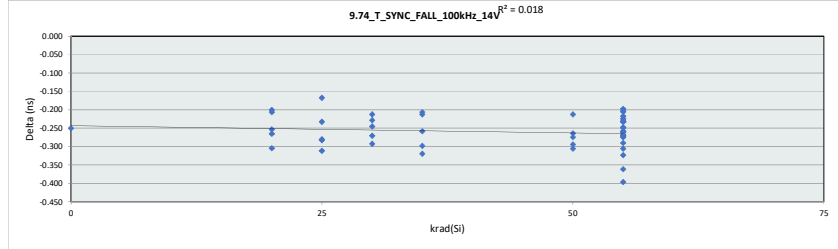


**HDR TID Report
TPS7H5007-SEP**

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

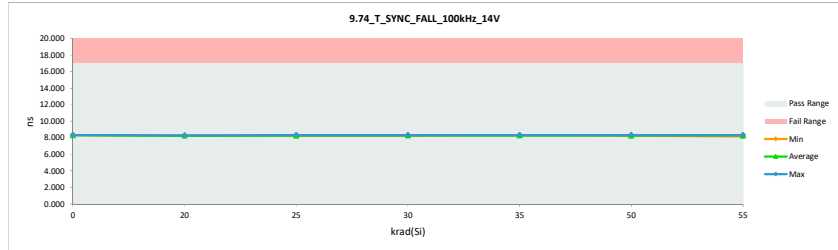
9.74_T_SYNC_FALL_100kHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.576	8.325	-0.251
25	1	8.573	8.290	-0.283
25	2	8.511	8.343	-0.168
25	3	8.521	8.240	-0.281
25	4	8.537	8.304	-0.233
25	5	8.545	8.233	-0.312
20	6	8.528	8.274	-0.254
20	7	8.508	8.301	-0.207
20	8	8.505	8.239	-0.266
20	9	8.489	8.288	-0.201
20	10	8.534	8.229	-0.305
35	11	8.533	8.274	-0.259
35	12	8.602	8.303	-0.299
35	13	8.559	8.346	-0.213
35	14	8.610	8.290	-0.320
35	15	8.504	8.297	-0.207
30	16	8.554	8.283	-0.271
30	17	8.575	8.329	-0.246
30	18	8.528	8.315	-0.213
30	19	8.554	8.325	-0.229
30	20	8.554	8.261	-0.293
55	21	8.541	8.271	-0.270
55	22	8.547	8.285	-0.262
55	23	8.578	8.318	-0.260
55	24	8.525	8.327	-0.198
55	25	8.552	8.278	-0.274
55	26	8.601	8.277	-0.324
55	27	8.529	8.304	-0.225
55	28	8.508	8.290	-0.218
55	29	8.563	8.257	-0.306
55	30	8.541	8.309	-0.232
55	31	8.547	8.256	-0.291
55	32	8.546	8.314	-0.232
55	33	8.508	8.274	-0.234
55	34	8.580	8.183	-0.397
55	35	8.567	8.292	-0.275
55	36	8.515	8.309	-0.206
55	37	8.546	8.298	-0.248
55	38	8.572	8.322	-0.250
55	39	8.519	8.250	-0.269
55	40	8.589	8.227	-0.362
55	41	8.540	8.336	-0.204
55	42	8.544	8.285	-0.259
50	43	8.591	8.285	-0.306
50	44	8.545	8.332	-0.213
50	45	8.547	8.272	-0.275
50	46	8.551	8.256	-0.295
50	47	8.544	8.279	-0.265
	Max	8.610	8.346	-0.168
	Average	8.547	8.287	-0.260
	Min	8.489	8.183	-0.397
	Std Dev	0.028	0.034	0.045



9.74_T_SYNC_FALL_100kHz_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	8.325	8.229	8.233	8.261	8.274	8.256	8.183
Average	8.325	8.266	8.282	8.303	8.302	8.285	8.285
Max	8.325	8.301	8.343	8.329	8.346	8.332	8.336
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

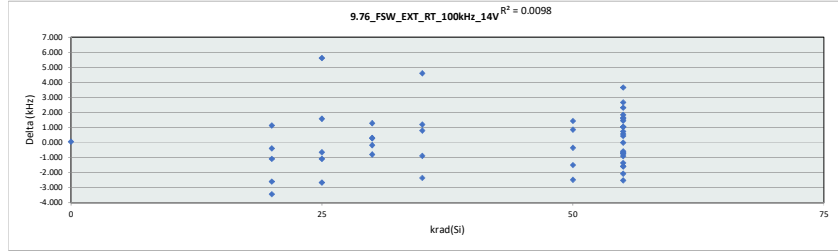


**HDR TID Report
TPS7H5007-SEP**

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

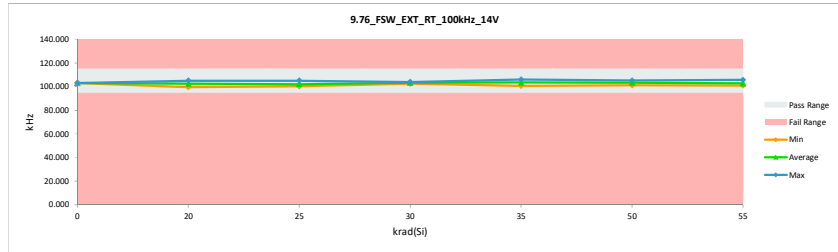
9.76_FSW_EXT_RT_100kHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	115
Min Limit	95

krad(Si)	Serial #	SEP_Pre_HDI	SEP_Post_HDI	Delta
0	48	103.153	103.205	0.052
25	1	100.466	102.031	1.565
25	2	101.101	100.441	-0.660
25	3	101.896	100.799	-1.097
25	4	105.088	102.420	-2.668
25	5	99.470	105.072	5.602
20	6	102.095	99.492	-2.603
20	7	100.835	101.957	1.122
20	8	104.607	101.161	-3.446
20	9	104.888	104.494	-0.394
20	10	106.258	105.164	-1.094
35	11	105.410	106.191	0.781
35	12	100.796	105.381	4.585
35	13	103.083	100.723	-2.360
35	14	101.949	103.135	1.186
35	15	103.324	102.430	-0.894
30	16	103.234	103.509	0.275
30	17	103.399	103.692	0.293
30	18	102.813	104.083	1.270
30	19	103.306	102.507	-0.799
30	20	103.236	103.055	-0.181
55	21	103.043	103.470	0.427
55	22	101.420	102.864	1.444
55	23	100.171	102.007	1.836
55	24	103.092	101.018	-2.074
55	25	102.526	103.558	1.032
55	26	101.729	103.302	1.573
55	27	104.080	101.556	-2.524
55	28	102.594	104.905	2.311
55	29	101.061	102.701	1.640
55	30	102.497	101.137	-1.360
55	31	102.333	102.889	0.556
55	32	102.387	102.371	-0.016
55	33	103.884	102.289	-1.595
55	34	102.484	103.211	0.727
55	35	103.084	102.490	-0.594
55	36	102.913	103.946	1.033
55	37	104.258	103.503	-0.755
55	38	105.689	104.101	-1.588
55	39	102.125	105.773	3.648
55	40	102.445	101.769	-0.676
55	41	103.508	102.603	-0.905
55	42	100.930	103.586	2.656
50	43	103.667	101.189	-2.478
50	44	104.673	103.166	-1.507
50	45	102.814	104.239	1.425
50	46	104.419	105.265	0.846
50	47	102.802	102.445	-0.357
Max		106.258	106.191	5.602
Average		102.855	102.964	0.110
Min		99.470	99.492	-3.446
Std Dev		1.466	1.477	1.878



9.76_FSW_EXT_RT_100kHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	103.205	99.492	100.441	102.507	100.723	101.189	101.018
Average	103.205	102.454	102.153	103.369	103.572	103.261	102.957
Max	103.205	105.164	105.072	104.083	106.191	105.265	105.773
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000

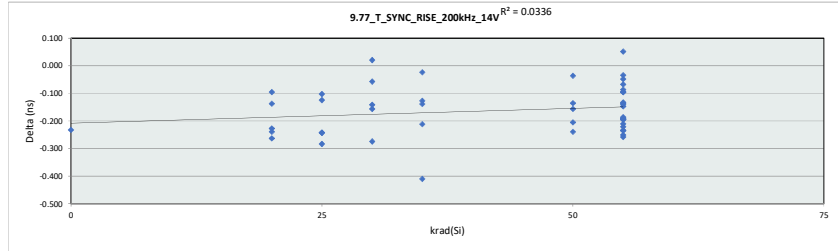


**HDR TID Report
TPS7H5007-SEP**

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

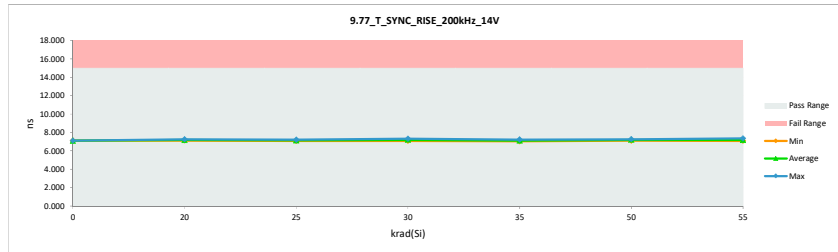
9.77_T_SYNC_RISE_200kHz_14	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	7.338	7.105		-0.233
25	1	7.303	7.060		-0.243
25	2	7.408	7.124		-0.284
25	3	7.324	7.199		-0.125
25	4	7.263	7.160		-0.103
25	5	7.340	7.096		-0.244
20	6	7.367	7.127		-0.240
20	7	7.473	7.209		-0.264
20	8	7.339	7.243		-0.096
20	9	7.389	7.161		-0.228
20	10	7.315	7.177		-0.138
35	11	7.328	7.200		-0.128
35	12	7.239	7.215		-0.024
35	13	7.278	7.066		-0.212
35	14	7.222	7.083		-0.139
35	15	7.445	7.034		-0.411
30	16	7.240	7.260		0.020
30	17	7.236	7.079		-0.157
30	18	7.372	7.097		-0.275
30	19	7.360	7.302		-0.058
30	20	7.330	7.188		-0.142
55	21	7.273	7.205		-0.068
55	22	7.306	7.115		-0.191
55	23	7.298	7.102		-0.196
55	24	7.310	7.115		-0.195
55	25	7.354	7.206		-0.148
55	26	7.221	7.172		-0.049
55	27	7.338	7.087		-0.251
55	28	7.418	7.196		-0.222
55	29	7.298	7.263		-0.035
55	30	7.263	7.166		-0.097
55	31	7.318	7.131		-0.187
55	32	7.311	7.177		-0.134
55	33	7.375	7.141		-0.234
55	34	7.245	7.150		-0.095
55	35	7.299	7.105		-0.194
55	36	7.343	7.132		-0.211
55	37	7.332	7.195		-0.137
55	38	7.271	7.131		-0.140
55	39	7.430	7.171		-0.259
55	40	7.291	7.342		0.051
55	41	7.388	7.152		-0.236
55	42	7.383	7.296		-0.087
50	43	7.239	7.202		-0.037
50	44	7.314	7.108		-0.206
50	45	7.403	7.163		-0.240
50	46	7.352	7.195		-0.157
50	47	7.405	7.269		-0.136
	Max	7.473	7.342		0.051
	Average	7.327	7.164		-0.163
	Min	7.221	7.034		-0.411
	Std Dev	0.061	0.067		0.089



9.77_T_SYNC_RISE_200kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	15 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	7.105	7.127	7.060	7.079	7.034	7.108	7.087
Average	7.105	7.183	7.128	7.185	7.120	7.187	7.170
Max	7.105	7.243	7.199	7.302	7.215	7.269	7.342
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

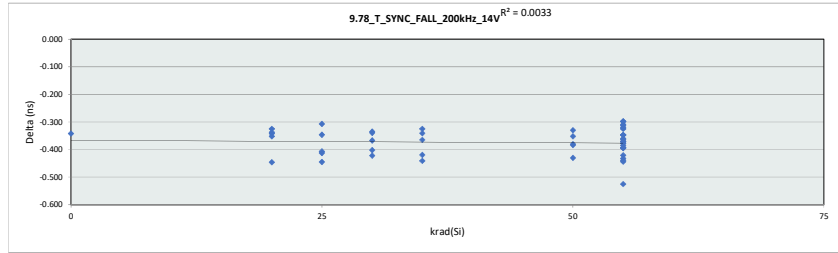


**HDR TID Report
TPS7H5007-SEP**

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

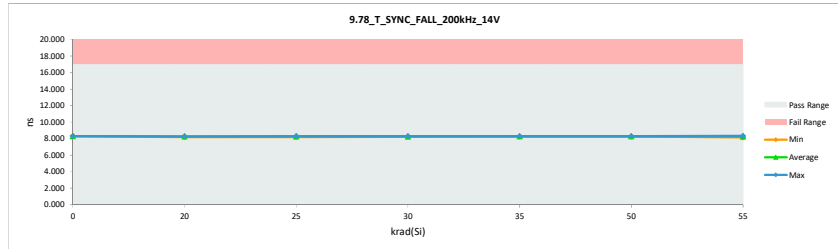
9.78_T_SYNC_FALL_200kHz_14	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.657	8.314	-0.343
25	1	8.670	8.323	-0.347
25	2	8.602	8.294	-0.308
25	3	8.601	8.193	-0.408
25	4	8.655	8.209	-0.446
25	5	8.644	8.231	-0.413
20	6	8.607	8.254	-0.353
20	7	8.605	8.279	-0.326
20	8	8.608	8.270	-0.338
20	9	8.589	8.246	-0.343
20	10	8.637	8.190	-0.447
35	11	8.632	8.266	-0.366
35	12	8.683	8.263	-0.420
35	13	8.635	8.293	-0.342
35	14	8.709	8.267	-0.442
35	15	8.619	8.293	-0.326
30	16	8.662	8.239	-0.423
30	17	8.650	8.247	-0.403
30	18	8.637	8.297	-0.340
30	19	8.655	8.287	-0.368
30	20	8.633	8.297	-0.336
55	21	8.647	8.261	-0.386
55	22	8.656	8.234	-0.422
55	23	8.670	8.305	-0.365
55	24	8.620	8.299	-0.321
55	25	8.644	8.250	-0.394
55	26	8.703	8.270	-0.433
55	27	8.636	8.288	-0.348
55	28	8.596	8.298	-0.298
55	29	8.651	8.206	-0.445
55	30	8.666	8.294	-0.372
55	31	8.662	8.290	-0.372
55	32	8.649	8.271	-0.378
55	33	8.593	8.279	-0.314
55	34	8.663	8.223	-0.440
55	35	8.633	8.285	-0.348
55	36	8.608	8.298	-0.310
55	37	8.645	8.249	-0.396
55	38	8.657	8.296	-0.361
55	39	8.607	8.281	-0.326
55	40	8.682	8.156	-0.526
55	41	8.647	8.253	-0.394
55	42	8.632	8.333	-0.299
50	43	8.675	8.244	-0.431
50	44	8.632	8.301	-0.331
50	45	8.654	8.301	-0.353
50	46	8.656	8.271	-0.385
50	47	8.641	8.260	-0.381
Max		8.709	8.333	-0.298
Average		8.642	8.268	-0.374
Min		8.589	8.156	-0.526
Std Dev		0.028	0.036	0.049



9.78_T_SYNC_FALL_200kHz_1	
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	8.314	8.190	8.193	8.239	8.263	8.244	8.156
Average	8.314	8.248	8.250	8.273	8.276	8.275	8.269
Max	8.314	8.279	8.323	8.297	8.293	8.301	8.333
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

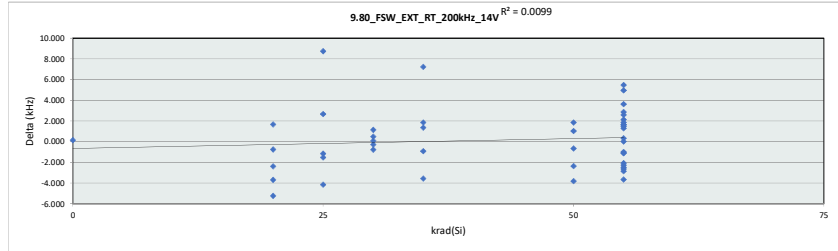


**HDR TID Report
TPS7H5007-SEP**

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

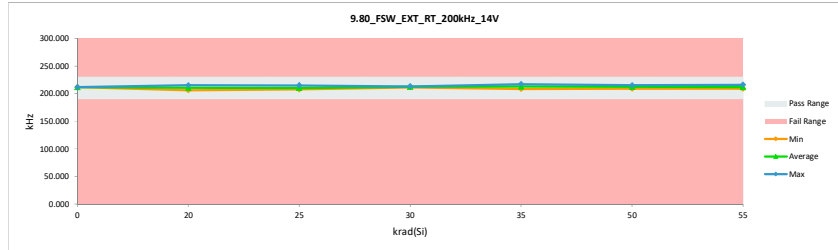
9.80_FSW_EXT_RT_200kHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	230
Min Limit	190

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	211.657	211.781		0.124
25	1	207.730	210.386		2.656
25	2	208.961	207.780		-1.181
25	3	210.014	208.470		-1.544
25	4	215.057	210.889		-4.168
25	5	206.366	215.077		8.711
20	6	210.020	206.305		-3.715
20	7	208.336	209.986		1.650
20	8	214.176	208.917		-5.259
20	9	214.658	213.880		-0.778
20	10	217.521	215.113		-2.408
35	11	216.019	217.360		1.341
35	12	208.753	215.967		7.214
35	13	212.186	208.599		-3.587
35	14	210.371	212.201		1.830
35	15	211.960	211.022		-0.938
30	16	212.193	212.264		0.071
30	17	212.330	212.804		0.474
30	18	212.125	213.256		1.131
30	19	212.288	211.499		-0.789
30	20	212.266	211.966		-0.300
55	21	212.296	212.614		0.318
55	22	209.206	212.047		2.841
55	23	208.244	210.082		1.838
55	24	211.735	209.447		-2.288
55	25	211.220	212.500		1.280
55	26	209.891	212.463		2.572
55	27	213.295	209.618		-3.677
55	28	211.072	214.686		3.614
55	29	209.163	211.284		2.121
55	30	211.828	209.165		-2.663
55	31	210.697	212.312		1.615
55	32	210.846	210.847		0.001
55	33	213.663	210.790		-2.873
55	34	211.118	212.738		1.620
55	35	212.157	211.026		-1.131
55	36	212.031	213.489		1.458
55	37	213.996	212.983		-1.013
55	38	216.113	213.607		-2.506
55	39	210.662	216.121		5.459
55	40	211.213	210.108		-1.105
55	41	213.439	211.346		-2.093
55	42	208.732	213.674		4.942
50	43	212.961	209.127		-3.834
50	44	214.460	212.084		-2.376
50	45	211.788	213.624		1.836
50	46	214.233	215.249		1.016
50	47	211.798	211.122		-0.676
	Max	217.521	217.360		8.711
	Average	211.726	211.868		0.142
	Min	206.366	206.305		-5.259
	Std Dev	2.310	2.307		2.915



9.80_FSW_EXT_RT_200kHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	211.781	206.305	207.780	211.499	208.599	209.127	209.165
Average	211.781	210.840	210.520	212.358	213.030	212.241	211.952
Max	211.781	215.113	215.077	213.256	217.360	215.249	216.121
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000



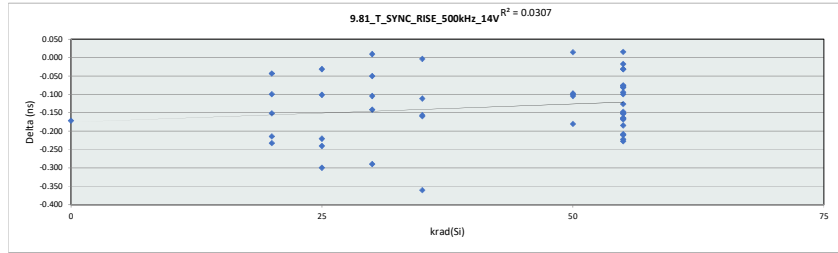
**HDR TID Report
TPS7H5007-SEP**

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_14

Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

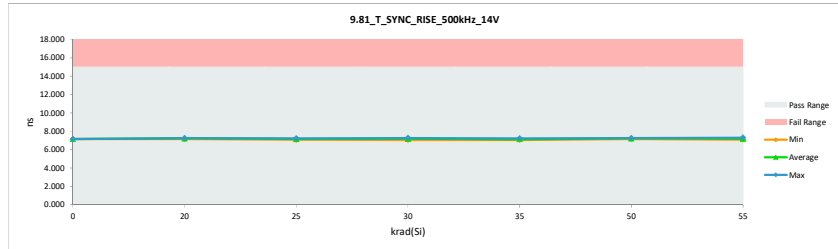
krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post_HD	Delta
0	48	7.324	7.152	-0.172
25	1	7.300	7.079	-0.221
25	2	7.431	7.131	-0.300
25	3	7.330	7.228	-0.102
25	4	7.254	7.222	-0.032
25	5	7.312	7.071	-0.241
20	6	7.379	7.146	-0.233
20	7	7.441	7.226	-0.215
20	8	7.338	7.238	-0.100
20	9	7.374	7.222	-0.152
20	10	7.294	7.250	-0.044
35	11	7.337	7.180	-0.157
35	12	7.223	7.219	-0.004
35	13	7.263	7.103	-0.160
35	14	7.207	7.095	-0.112
35	15	7.426	7.065	-0.361
30	16	7.250	7.259	0.009
30	17	7.232	7.127	-0.105
30	18	7.353	7.063	-0.290
30	19	7.332	7.281	-0.051
30	20	7.302	7.160	-0.142
55	21	7.262	7.230	-0.032
55	22	7.316	7.240	-0.076
55	23	7.273	7.173	-0.100
55	24	7.313	7.161	-0.152
55	25	7.333	7.168	-0.165
55	26	7.215	7.133	-0.082
55	27	7.336	7.113	-0.223
55	28	7.390	7.179	-0.211
55	29	7.303	7.285	-0.018
55	30	7.282	7.202	-0.080
55	31	7.323	7.171	-0.152
55	32	7.285	7.190	-0.095
55	33	7.350	7.165	-0.185
55	34	7.241	7.209	-0.032
55	35	7.270	7.104	-0.166
55	36	7.327	7.200	-0.127
55	37	7.335	7.166	-0.169
55	38	7.282	7.129	-0.153
55	39	7.400	7.172	-0.228
55	40	7.293	7.308	0.015
55	41	7.375	7.166	-0.209
55	42	7.367	7.219	-0.148
50	43	7.242	7.256	0.014
50	44	7.307	7.202	-0.105
50	45	7.352	7.254	-0.098
50	46	7.344	7.163	-0.181
50	47	7.358	7.257	-0.101
Max		7.441	7.308	0.015
Average		7.316	7.182	-0.134
Min		7.207	7.063	-0.361
Std Dev		0.056	0.061	0.085



9.81_T_SYNC_RISE_500kHz_1

Test Site	
Tester	
Test Number	
Max Limit	15 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	7.152	7.146	7.071	7.063	7.065	7.163	7.104
Average	7.152	7.216	7.146	7.178	7.132	7.226	7.186
Max	7.152	7.250	7.228	7.281	7.219	7.257	7.308
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

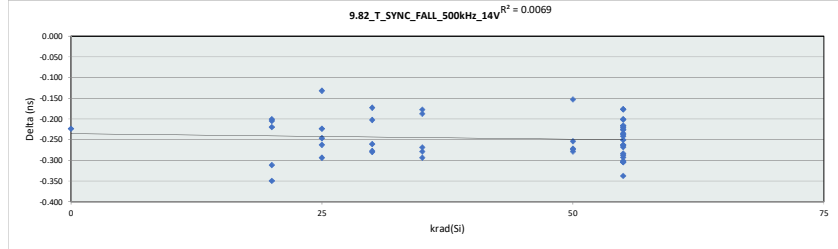


**HDR TID Report
TPS7H5007-SEP**

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

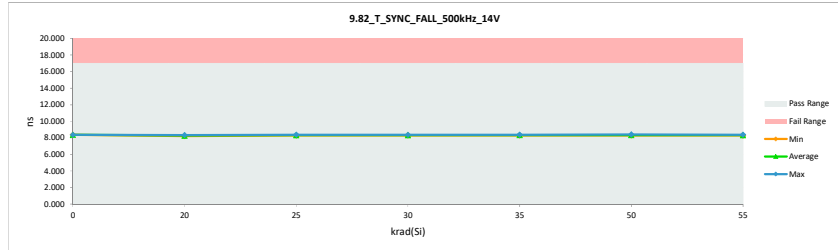
9.82_T_SYNC_FALL_500kHz_14	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.596	8.372	-0.224
25	1	8.589	8.342	-0.247
25	2	8.512	8.380	-0.132
25	3	8.534	8.271	-0.263
25	4	8.559	8.335	-0.224
25	5	8.569	8.275	-0.294
20	6	8.547	8.342	-0.205
20	7	8.523	8.322	-0.201
20	8	8.532	8.220	-0.312
20	9	8.517	8.297	-0.220
20	10	8.562	8.212	-0.350
35	11	8.567	8.298	-0.269
35	12	8.612	8.333	-0.279
35	13	8.570	8.382	-0.188
35	14	8.618	8.324	-0.294
35	15	8.534	8.356	-0.178
30	16	8.558	8.280	-0.278
30	17	8.578	8.298	-0.280
30	18	8.553	8.350	-0.203
30	19	8.558	8.297	-0.261
30	20	8.546	8.373	-0.173
55	21	8.573	8.289	-0.284
55	22	8.567	8.332	-0.235
55	23	8.597	8.329	-0.268
55	24	8.540	8.320	-0.220
55	25	8.552	8.289	-0.263
55	26	8.614	8.276	-0.338
55	27	8.538	8.322	-0.216
55	28	8.508	8.281	-0.227
55	29	8.583	8.281	-0.302
55	30	8.561	8.310	-0.251
55	31	8.581	8.356	-0.225
55	32	8.565	8.323	-0.242
55	33	8.536	8.334	-0.202
55	34	8.595	8.290	-0.305
55	35	8.573	8.372	-0.201
55	36	8.528	8.351	-0.177
55	37	8.574	8.286	-0.288
55	38	8.568	8.264	-0.304
55	39	8.547	8.309	-0.238
55	40	8.600	8.307	-0.293
55	41	8.566	8.389	-0.177
55	42	8.560	8.296	-0.264
50	43	8.609	8.330	-0.279
50	44	8.565	8.412	-0.153
50	45	8.574	8.302	-0.272
50	46	8.559	8.285	-0.274
50	47	8.570	8.316	-0.254
Max		8.618	8.412	-0.132
Average		8.563	8.317	-0.246
Min		8.508	8.212	-0.350
Std Dev		0.027	0.041	0.048



9.82_T_SYNC_FALL_500kHz_1	
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	8.372	8.212	8.271	8.280	8.298	8.285	8.264
Average	8.372	8.279	8.321	8.320	8.339	8.412	8.314
Max	8.372	8.342	8.380	8.373	8.382	8.412	8.389
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

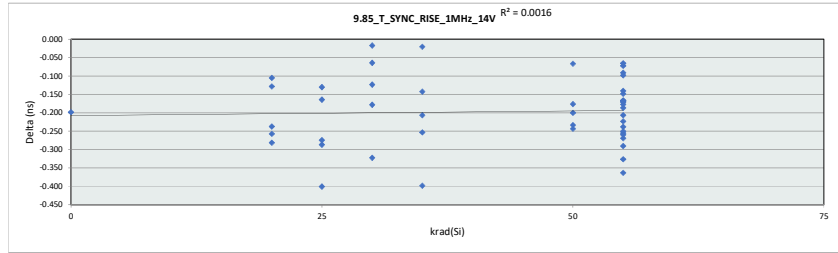


**HDR TID Report
TPS7H5007-SEP**

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

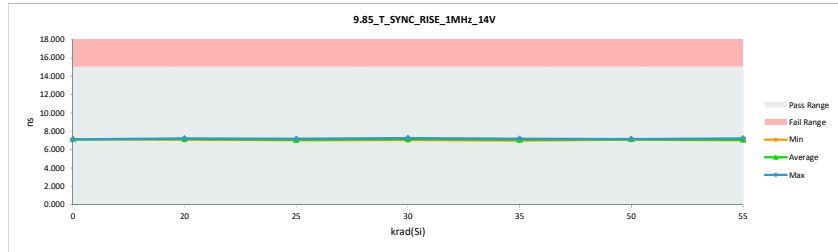
9.85_T_SYNC_RISE_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.331	7.132	-0.199
25	1	7.300	7.025	-0.275
25	2	7.414	7.013	-0.401
25	3	7.352	7.187	-0.165
25	4	7.260	7.129	-0.131
25	5	7.320	7.033	-0.287
20	6	7.374	7.092	-0.282
20	7	7.440	7.202	-0.238
20	8	7.330	7.224	-0.106
20	9	7.387	7.129	-0.258
20	10	7.302	7.173	-0.129
35	11	7.330	7.123	-0.207
35	12	7.221	7.200	-0.021
35	13	7.256	7.002	-0.254
35	14	7.215	7.072	-0.143
35	15	7.414	7.015	-0.399
30	16	7.224	7.206	-0.018
30	17	7.224	7.045	-0.179
30	18	7.372	7.049	-0.323
30	19	7.335	7.270	-0.065
30	20	7.299	7.175	-0.124
55	21	7.269	7.102	-0.167
55	22	7.295	7.088	-0.207
55	23	7.285	7.107	-0.178
55	24	7.298	7.074	-0.224
55	25	7.331	7.162	-0.169
55	26	7.190	7.117	-0.073
55	27	7.334	7.043	-0.291
55	28	7.395	7.125	-0.270
55	29	7.299	7.200	-0.099
55	30	7.279	7.138	-0.141
55	31	7.312	7.052	-0.260
55	32	7.291	7.142	-0.149
55	33	7.365	7.038	-0.327
55	34	7.236	7.144	-0.092
55	35	7.292	7.041	-0.251
55	36	7.314	7.075	-0.239
55	37	7.316	7.144	-0.172
55	38	7.285	7.117	-0.168
55	39	7.426	7.062	-0.364
55	40	7.286	7.220	-0.066
55	41	7.348	7.092	-0.256
55	42	7.356	7.169	-0.187
50	43	7.232	7.165	-0.067
50	44	7.309	7.108	-0.201
50	45	7.369	7.125	-0.244
50	46	7.324	7.147	-0.177
50	47	7.364	7.130	-0.234
Max		7.440	7.270	-0.018
Average		7.315	7.117	-0.197
Min		7.190	7.002	-0.401
Std Dev		0.058	0.064	0.091



9.85_T_SYNC_RISE_1MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	15 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	7.132	7.092	7.013	7.045	7.002	7.108	7.038
Average	7.132	7.164	7.077	7.149	7.082	7.135	7.111
Max	7.132	7.224	7.187	7.270	7.200	7.165	7.220
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

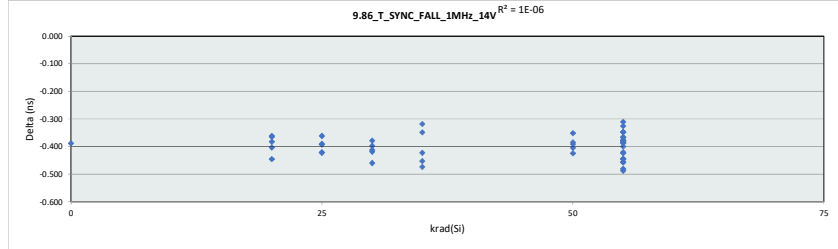


**HDR TID Report
TPS7H5007-SEP**

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

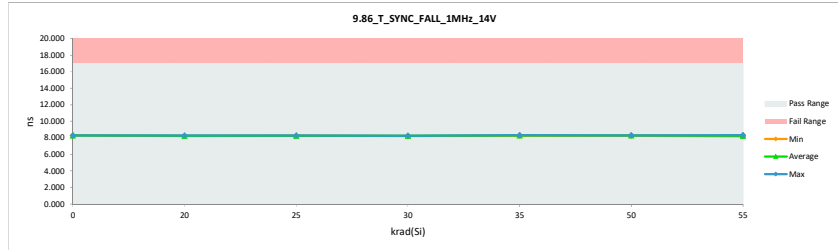
9.86_T_SYNC_FALL_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.681	8.292	-0.389
25	1	8.700	8.278	-0.422
25	2	8.621	8.259	-0.362
25	3	8.640	8.249	-0.391
25	4	8.658	8.236	-0.422
25	5	8.662	8.269	-0.393
20	6	8.639	8.274	-0.365
20	7	8.624	8.241	-0.383
20	8	8.627	8.223	-0.404
20	9	8.595	8.233	-0.362
20	10	8.651	8.205	-0.446
35	11	8.664	8.241	-0.423
35	12	8.712	8.259	-0.453
35	13	8.669	8.320	-0.349
35	14	8.716	8.242	-0.474
35	15	8.630	8.311	-0.319
30	16	8.670	8.210	-0.460
30	17	8.668	8.249	-0.419
30	18	8.632	8.253	-0.379
30	19	8.669	8.256	-0.413
30	20	8.659	8.261	-0.398
55	21	8.649	8.270	-0.379
55	22	8.671	8.183	-0.488
55	23	8.682	8.237	-0.445
55	24	8.633	8.285	-0.348
55	25	8.654	8.233	-0.421
55	26	8.692	8.236	-0.456
55	27	8.647	8.321	-0.326
55	28	8.620	8.272	-0.348
55	29	8.678	8.220	-0.458
55	30	8.656	8.308	-0.348
55	31	8.679	8.234	-0.445
55	32	8.657	8.269	-0.388
55	33	8.625	8.314	-0.311
55	34	8.671	8.226	-0.445
55	35	8.655	8.278	-0.377
55	36	8.632	8.265	-0.367
55	37	8.652	8.228	-0.424
55	38	8.646	8.262	-0.384
55	39	8.649	8.249	-0.400
55	40	8.695	8.214	-0.481
55	41	8.657	8.291	-0.366
55	42	8.664	8.284	-0.380
50	43	8.699	8.274	-0.425
50	44	8.657	8.272	-0.385
50	45	8.646	8.241	-0.405
50	46	8.653	8.261	-0.392
50	47	8.657	8.305	-0.352
Max		8.716	8.321	-0.311
Average		8.658	8.258	-0.399
Min		8.595	8.183	-0.488
Std Dev		0.025	0.031	0.043



9.86_T_SYNC_FALL_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	8.292	8.205	8.236	8.210	8.241	8.241	8.183
Average	8.292	8.235	8.258	8.246	8.275	8.271	8.258
Max	8.292	8.274	8.278	8.261	8.320	8.305	8.321
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

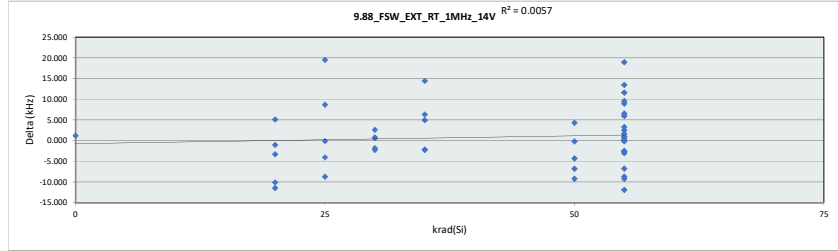


**HDR TID Report
TPS7H5007-SEP**

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

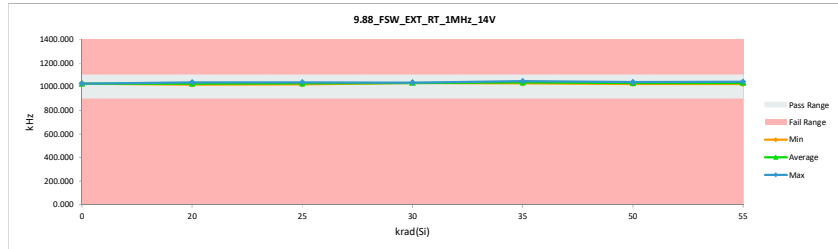
9.88_FSW_EXT_RT_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	1100
Min Limit	900

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1025.570	1026.732	1.162
25	1	1019.340	1028.004	8.664
25	2	1024.096	1020.031	-4.065
25	3	1024.533	1024.393	-0.140
25	4	1036.440	1027.720	-8.720
25	5	1018.414	1037.904	19.490
20	6	1020.185	1019.153	-1.032
20	7	1018.342	1023.439	5.097
20	8	1035.309	1021.841	-11.468
20	9	1035.097	1031.787	-3.310
20	10	1047.269	1037.178	-10.091
35	11	1040.910	1047.223	6.313
35	12	1027.044	1041.457	14.413
35	13	1030.485	1028.256	-2.229
35	14	1032.976	1030.770	-2.206
35	15	1029.414	1034.355	4.941
30	16	1030.386	1031.003	0.617
30	17	1030.495	1031.236	0.741
30	18	1034.549	1032.272	-2.277
30	19	1033.945	1032.104	-1.841
30	20	1032.402	1034.988	2.586
55	21	1035.032	1034.865	-0.167
55	22	1021.129	1034.575	13.446
55	23	1026.422	1023.397	-3.025
55	24	1027.481	1029.113	1.632
55	25	1029.266	1030.071	0.805
55	26	1029.380	1032.658	3.278
55	27	1029.143	1029.241	0.098
55	28	1024.345	1033.283	8.938
55	29	1026.253	1027.301	1.048
55	30	1035.783	1026.558	-9.225
55	31	1027.749	1039.335	11.586
55	32	1023.247	1029.187	5.940
55	33	1038.258	1026.347	-11.911
55	34	1030.484	1036.993	6.509
55	35	1032.704	1030.156	-2.548
55	36	1034.997	1037.539	2.542
55	37	1036.579	1036.914	0.335
55	38	1042.548	1035.747	-6.801
55	39	1031.816	1041.321	9.505
55	40	1033.040	1030.556	-2.484
55	41	1041.554	1032.831	-8.723
55	42	1023.073	1042.019	18.946
50	43	1031.028	1024.219	-6.809
50	44	1037.594	1028.386	-9.208
50	45	1030.530	1034.820	4.290
50	46	1039.653	1039.461	-0.192
50	47	1030.673	1026.345	-4.328
	Max	1047.269	1047.223	19.490
	Average	1030.728	1031.564	0.836
	Min	1018.342	1019.153	-11.911
	Std Dev	6.521	6.054	7.391



9.88_FSW_EXT_RT_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	1026.732	1019.153	1020.031	1031.003	1028.256	1024.219	1023.397
Average	1026.732	1026.680	1027.610	1032.321	1036.412	1030.646	1032.728
Max	1026.732	1037.178	1037.904	1034.988	1047.223	1039.461	1042.019
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000

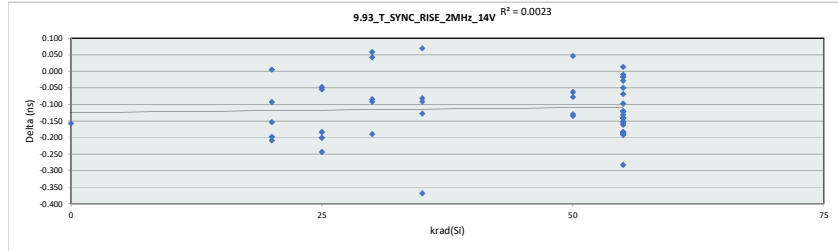


**HDR TID Report
TPS7H5007-SEP**

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

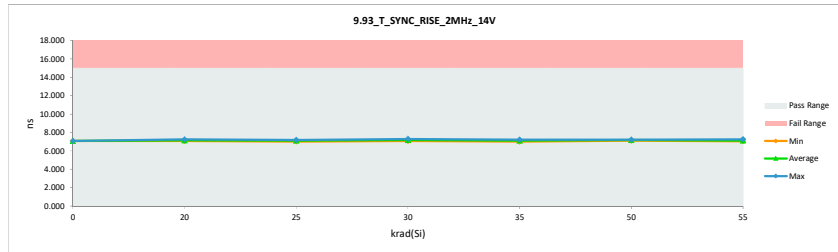
9.93_T_SYNC_RISE_2MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns
Max Limit	15
Min Limit	0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	7.231	7.073		-0.158
25	1	7.210	7.026		-0.184
25	2	7.328	7.084		-0.244
25	3	7.247	7.192		-0.055
25	4	7.186	7.138		-0.048
25	5	7.222	7.021		-0.201
20	6	7.277	7.068		-0.209
20	7	7.387	7.189		-0.198
20	8	7.241	7.246		0.005
20	9	7.297	7.143		-0.154
20	10	7.259	7.166		-0.093
35	11	7.253	7.171		-0.082
35	12	7.141	7.210		0.069
35	13	7.174	7.046		-0.128
35	14	7.161	7.069		-0.092
35	15	7.385	7.016		-0.369
30	16	7.147	7.189		0.042
30	17	7.158	7.073		-0.085
30	18	7.311	7.121		-0.190
30	19	7.244	7.302		0.058
30	20	7.249	7.157		-0.092
55	21	7.182	7.165		-0.017
55	22	7.218	7.066		-0.152
55	23	7.218	7.098		-0.120
55	24	7.243	7.051		-0.192
55	25	7.265	7.109		-0.156
55	26	7.137	7.127		-0.010
55	27	7.235	7.051		-0.184
55	28	7.306	7.144		-0.162
55	29	7.224	7.195		-0.029
55	30	7.218	7.168		-0.050
55	31	7.250	7.108		-0.142
55	32	7.194	7.125		-0.069
55	33	7.324	7.140		-0.184
55	34	7.164	7.147		-0.017
55	35	7.239	7.098		-0.141
55	36	7.264	7.076		-0.188
55	37	7.257	7.135		-0.122
55	38	7.234	7.103		-0.131
55	39	7.372	7.089		-0.283
55	40	7.245	7.258		0.013
55	41	7.331	7.140		-0.191
55	42	7.277	7.179		-0.098
50	43	7.158	7.204		0.046
50	44	7.228	7.098		-0.130
50	45	7.308	7.173		-0.135
50	46	7.283	7.220		-0.063
50	47	7.277	7.199		-0.078
	Max	7.387	7.302		0.069
	Average	7.245	7.133		-0.112
	Min	7.137	7.016		-0.369
	Std Dev	0.062	0.064		0.091



9.93_T_SYNC_RISE_2MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	15
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	7.073	7.068	7.021	7.073	7.016	7.098	7.051
Average	7.073	7.162	7.092	7.168	7.102	7.179	7.126
Max	7.073	7.246	7.192	7.302	7.210	7.220	7.258
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000

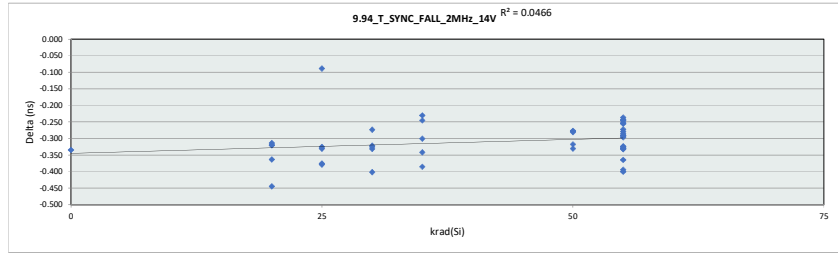


**HDR TID Report
TPS7H5007-SEP**

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

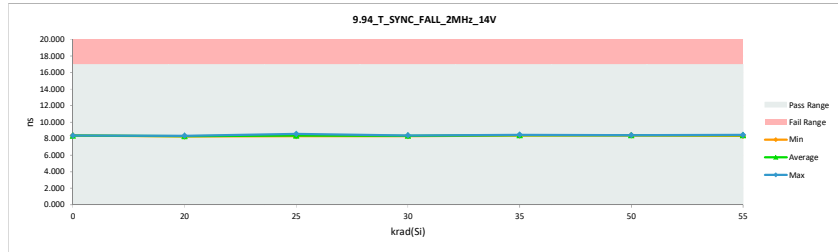
9.94_T_SYNC_FALL_2MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.711	8.376	-0.335
25	1	8.727	8.396	-0.331
25	2	8.662	8.573	-0.089
25	3	8.674	8.298	-0.376
25	4	8.703	8.324	-0.379
25	5	8.701	8.375	-0.326
20	6	8.664	8.350	-0.314
20	7	8.657	8.293	-0.364
20	8	8.681	8.360	-0.321
20	9	8.643	8.323	-0.320
20	10	8.696	8.251	-0.445
35	11	8.696	8.395	-0.301
35	12	8.730	8.388	-0.342
35	13	8.703	8.472	-0.231
35	14	8.763	8.377	-0.386
35	15	8.672	8.426	-0.246
30	16	8.702	8.300	-0.402
30	17	8.711	8.379	-0.332
30	18	8.695	8.373	-0.322
30	19	8.666	8.392	-0.274
30	20	8.689	8.363	-0.326
55	21	8.699	8.419	-0.280
55	22	8.696	8.399	-0.297
55	23	8.751	8.386	-0.365
55	24	8.683	8.397	-0.286
55	25	8.695	8.370	-0.325
55	26	8.737	8.408	-0.329
55	27	8.683	8.427	-0.256
55	28	8.645	8.398	-0.247
55	29	8.722	8.321	-0.401
55	30	8.706	8.415	-0.291
55	31	8.715	8.391	-0.324
55	32	8.706	8.414	-0.292
55	33	8.687	8.434	-0.253
55	34	8.721	8.390	-0.331
55	35	8.697	8.454	-0.243
55	36	8.648	8.411	-0.237
55	37	8.694	8.364	-0.330
55	38	8.726	8.433	-0.293
55	39	8.666	8.421	-0.245
55	40	8.747	8.352	-0.395
55	41	8.701	8.368	-0.333
55	42	8.688	8.415	-0.273
50	43	8.735	8.404	-0.331
50	44	8.687	8.406	-0.281
50	45	8.698	8.421	-0.277
50	46	8.690	8.411	-0.279
50	47	8.712	8.394	-0.318
Max		8.763	8.573	-0.089
Average		8.698	8.388	-0.310
Min		8.643	8.251	-0.445
Std Dev		0.027	0.051	0.058



9.94_T_SYNC_FALL_2MHz_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	8.376	8.251	8.298	8.300	8.377	8.394	8.321
Average	8.376	8.315	8.393	8.361	8.412	8.407	8.399
Max	8.376	8.360	8.573	8.392	8.472	8.421	8.454
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

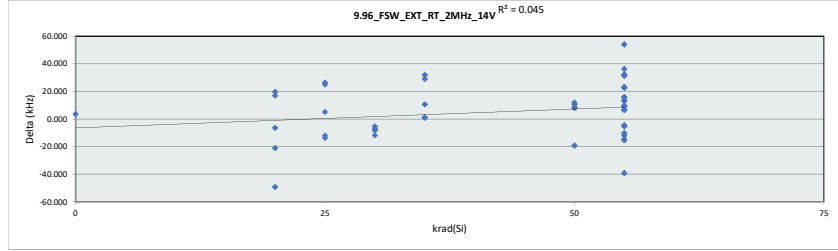


**HDR TID Report
TPS7H5007-SEP**

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

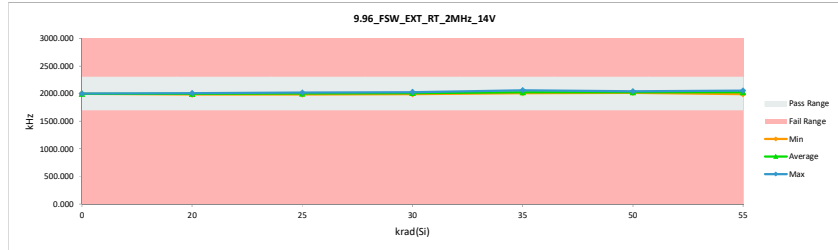
9.96_FSW_EXT_RT_2MHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	2300
Min Limit	1700

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	1997.508	2000.983	3.475
25	1	1985.696	2011.989	26.293
25	2	1996.386	1984.312	-12.074
25	3	1993.907	1998.892	4.985
25	4	2016.319	2002.628	-13.691
25	5	1995.483	2020.361	24.878
20	6	1979.845	1996.718	16.873
20	7	1976.190	1995.870	19.680
20	8	2004.646	1983.489	-21.157
20	9	2006.835	2000.388	-6.447
20	10	2060.032	2010.747	-49.285
35	11	2033.529	2062.565	29.036
35	12	2008.859	2040.803	31.944
35	13	2005.792	2006.826	1.034
35	14	2021.977	2022.889	0.912
35	15	2002.896	2013.339	10.443
30	16	2005.450	1993.497	-11.953
30	17	2007.666	2000.102	-7.564
30	18	2020.623	2013.097	-7.526
30	19	2031.056	2022.717	-8.339
30	20	2034.324	2028.808	-5.516
55	21	2025.219	2040.830	15.611
55	22	1997.768	2028.937	31.169
55	23	2024.748	2012.636	-12.112
55	24	2016.326	2039.368	23.042
55	25	2015.396	2031.082	15.686
55	26	2014.663	2027.657	12.994
55	27	1996.794	1992.106	-4.688
55	28	1992.613	2015.206	22.593
55	29	2009.546	2019.205	9.659
55	30	2035.547	2025.304	-10.243
55	31	2016.368	2025.372	9.004
55	32	1988.311	2020.417	32.106
55	33	2044.794	2029.369	-15.425
55	34	2018.859	2055.030	36.171
55	35	2024.537	2031.274	6.737
55	36	2027.871	2041.155	13.284
55	37	2031.318	2037.778	6.460
55	38	2039.590	2034.220	-5.370
55	39	2027.077	2036.255	9.178
55	40	2025.921	2011.098	-14.823
55	41	2048.685	2009.391	-39.294
55	42	1996.837	2050.766	53.929
50	43	2012.762	2020.830	8.068
50	44	2031.564	2043.295	11.731
50	45	2022.489	2030.464	7.975
50	46	2037.016	2017.735	-19.281
50	47	2023.051	2033.436	10.385
	Max	2060.032	2062.565	53.929
	Average	2015.223	2020.234	5.011
	Min	1976.190	1983.489	-49.285
	Std Dev	18.388	18.280	19.509



9.96_FSW_EXT_RT_2MHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
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	2000.983	1983.489	1984.312	1993.497	2006.826	2017.735	1992.106
Average	2000.983	1997.442	2003.636	2011.644	2029.284	2029.152	2027.930
Max	2000.983	2010.747	2020.361	2028.808	2062.565	2043.295	2055.030
UL	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000

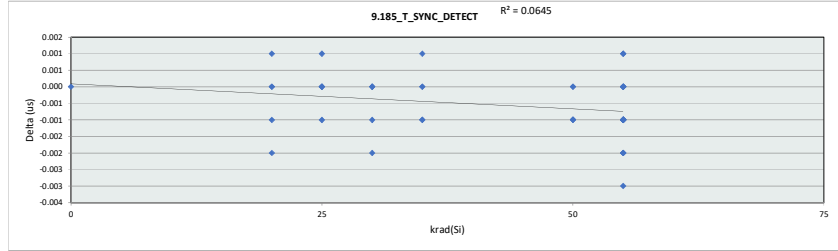


**HDR TID Report
TPS7H5007-SEP**

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

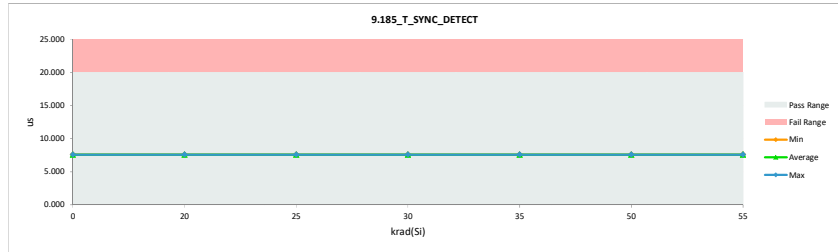
9.185_T_SYNC_DETECT	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	20 20
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	7.587	7.587	0.000
25	1	7.589	7.589	0.000
25	2	7.588	7.589	0.001
25	3	7.589	7.588	-0.001
25	4	7.589	7.589	0.000
25	5	7.589	7.589	0.000
20	6	7.589	7.589	0.000
20	7	7.590	7.588	-0.002
20	8	7.589	7.590	0.001
20	9	7.589	7.588	-0.001
20	10	7.588	7.588	0.000
35	11	7.588	7.588	0.000
35	12	7.587	7.588	0.001
35	13	7.588	7.587	-0.001
35	14	7.589	7.588	-0.001
35	15	7.588	7.588	0.000
30	16	7.588	7.588	0.000
30	17	7.589	7.587	-0.002
30	18	7.589	7.588	-0.001
30	19	7.588	7.588	0.000
30	20	7.588	7.588	0.000
55	21	7.589	7.588	-0.001
55	22	7.588	7.588	0.000
55	23	7.589	7.588	-0.001
55	24	7.588	7.588	0.000
55	25	7.590	7.587	-0.003
55	26	7.588	7.589	0.001
55	27	7.588	7.587	-0.001
55	28	7.588	7.587	-0.001
55	29	7.589	7.587	-0.002
55	30	7.588	7.588	0.000
55	31	7.589	7.587	-0.002
55	32	7.589	7.588	-0.001
55	33	7.589	7.588	-0.001
55	34	7.588	7.588	0.000
55	35	7.588	7.587	-0.001
55	36	7.588	7.587	-0.001
55	37	7.589	7.587	-0.002
55	38	7.587	7.588	0.001
55	39	7.587	7.586	-0.001
55	40	7.587	7.586	-0.001
55	41	7.587	7.587	0.000
55	42	7.587	7.587	0.000
50	43	7.586	7.586	0.000
50	44	7.587	7.586	-0.001
50	45	7.587	7.586	-0.001
50	46	7.587	7.587	0.000
50	47	7.587	7.586	-0.001
Max		7.590	7.590	0.001
Average		7.588	7.588	-0.001
Min		7.586	7.586	-0.003
Std Dev		0.001	0.001	0.001



9.185_T_SYNC_DETECT	
Test Site	
Tester	
Test Number	
Max Limit	20 us
Min Limit	0 us

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	7.587	7.588	7.588	7.587	7.587	7.586	7.586
Average	7.587	7.589	7.589	7.588	7.588	7.587	7.587
Max	7.587	7.590	7.589	7.588	7.588	7.587	7.589
UL	20.000	20.000	20.000	20.000	20.000	20.000	20.000

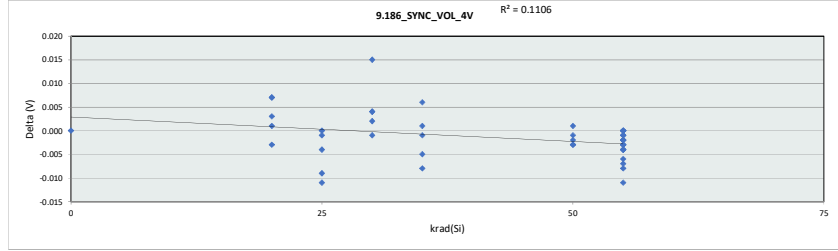


**HDR TID Report
TPS7H5007-SEP**

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

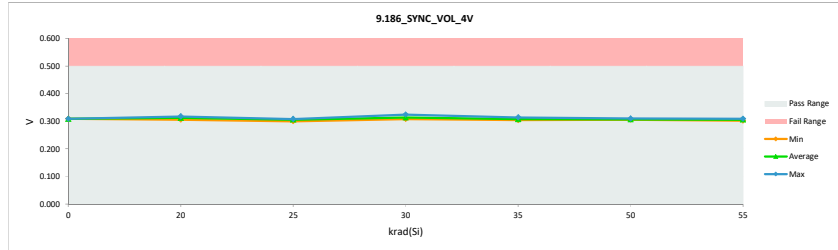
9.186_SYNC_VOL_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	0.309	0.309	0.000
25	1	0.315	0.306	-0.009
25	2	0.311	0.307	-0.004
25	3	0.309	0.308	-0.001
25	4	0.308	0.308	0.000
25	5	0.311	0.300	-0.011
20	6	0.309	0.312	0.003
20	7	0.310	0.317	0.007
20	8	0.310	0.311	0.001
20	9	0.308	0.315	0.007
20	10	0.309	0.306	-0.003
35	11	0.309	0.310	0.001
35	12	0.308	0.314	0.006
35	13	0.308	0.307	-0.001
35	14	0.309	0.304	-0.005
35	15	0.313	0.305	-0.008
30	16	0.309	0.308	-0.001
30	17	0.308	0.312	0.004
30	18	0.309	0.311	0.002
30	19	0.309	0.324	0.015
30	20	0.311	0.315	0.004
55	21	0.310	0.309	-0.001
55	22	0.308	0.305	-0.003
55	23	0.313	0.302	-0.011
55	24	0.309	0.305	-0.004
55	25	0.307	0.307	0.000
55	26	0.309	0.302	-0.007
55	27	0.308	0.305	-0.003
55	28	0.309	0.305	-0.004
55	29	0.309	0.305	-0.004
55	30	0.308	0.307	-0.001
55	31	0.308	0.308	0.000
55	32	0.309	0.307	-0.002
55	33	0.309	0.309	0.000
55	34	0.309	0.306	-0.003
55	35	0.308	0.304	-0.004
55	36	0.308	0.308	0.000
55	37	0.309	0.307	-0.002
55	38	0.308	0.306	-0.002
55	39	0.309	0.307	-0.002
55	40	0.312	0.304	-0.008
55	41	0.311	0.305	-0.006
55	42	0.309	0.308	-0.001
50	43	0.308	0.307	-0.001
50	44	0.309	0.306	-0.003
50	45	0.309	0.310	0.001
50	46	0.308	0.306	-0.002
50	47	0.309	0.306	-0.003
Max		0.315	0.324	0.015
Average		0.309	0.308	-0.001
Min		0.307	0.300	-0.011
Std Dev		0.002	0.004	0.005



9.186_SYNC_VOL_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	0 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	0.309	0.306	0.300	0.308	0.304	0.306	0.302
Average	0.309	0.312	0.306	0.314	0.308	0.307	0.306
Max	0.309	0.317	0.308	0.324	0.314	0.310	0.309
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500

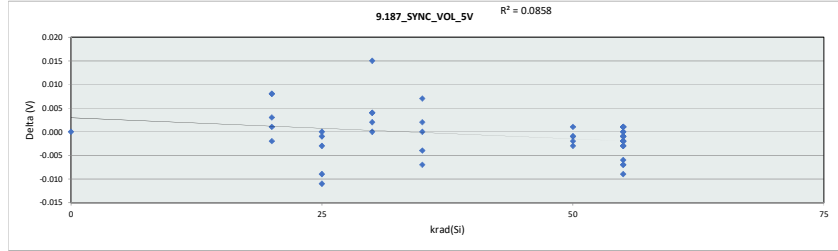


**HDR TID Report
TPS7H5007-SEP**

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

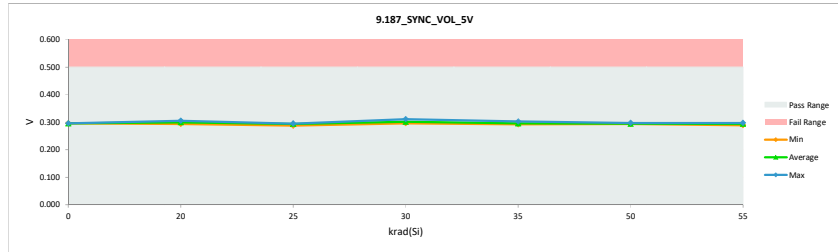
9.187_SYNC_VOL_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.296	0.296	0.000
25	1	0.302	0.293	-0.009
25	2	0.297	0.294	-0.003
25	3	0.296	0.295	-0.001
25	4	0.295	0.295	0.000
25	5	0.298	0.287	-0.011
20	6	0.296	0.299	0.003
20	7	0.297	0.305	0.008
20	8	0.297	0.298	0.001
20	9	0.294	0.302	0.008
20	10	0.296	0.294	-0.002
35	11	0.296	0.298	0.002
35	12	0.295	0.302	0.007
35	13	0.295	0.295	0.000
35	14	0.296	0.292	-0.004
35	15	0.299	0.292	-0.007
30	16	0.296	0.296	0.000
30	17	0.295	0.299	0.004
30	18	0.296	0.298	0.002
30	19	0.296	0.311	0.015
30	20	0.298	0.302	0.004
55	21	0.297	0.297	0.000
55	22	0.295	0.293	-0.002
55	23	0.299	0.290	-0.009
55	24	0.296	0.293	-0.003
55	25	0.294	0.295	0.001
55	26	0.296	0.289	-0.007
55	27	0.295	0.293	-0.002
55	28	0.296	0.293	-0.003
55	29	0.295	0.293	-0.002
55	30	0.295	0.295	0.000
55	31	0.295	0.296	0.001
55	32	0.296	0.295	-0.001
55	33	0.296	0.297	0.001
55	34	0.296	0.294	-0.002
55	35	0.295	0.292	-0.003
55	36	0.295	0.296	0.001
55	37	0.296	0.295	-0.001
55	38	0.296	0.294	-0.002
55	39	0.296	0.295	-0.001
55	40	0.298	0.291	-0.007
55	41	0.298	0.292	-0.006
55	42	0.296	0.295	-0.001
50	43	0.295	0.294	-0.001
50	44	0.296	0.293	-0.003
50	45	0.296	0.297	0.001
50	46	0.295	0.294	-0.001
50	47	0.296	0.294	-0.002
Max		0.302	0.311	0.015
Average		0.296	0.295	-0.001
Min		0.294	0.287	-0.011
Std Dev		0.001	0.004	0.005



9.187_SYNC_VOL_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	0 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	0.296	0.294	0.287	0.296	0.292	0.293	0.289
Average	0.296	0.300	0.293	0.301	0.296	0.294	0.294
Max	0.296	0.305	0.295	0.311	0.302	0.297	0.297
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500

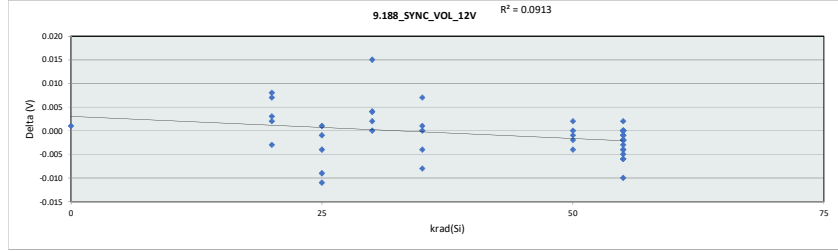


**HDR TID Report
TPS7H5007-SEP**

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

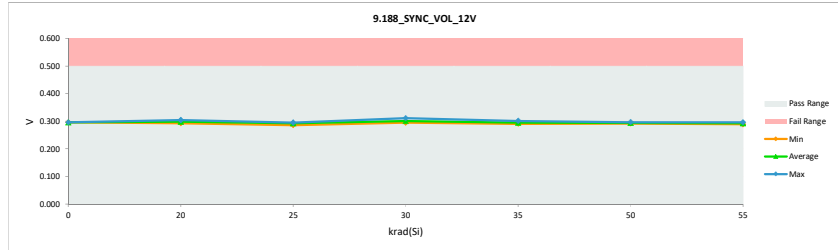
9.188_SYNC_VOL_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	0.295	0.296	0.001
25	1	0.301	0.292	-0.009
25	2	0.297	0.293	-0.004
25	3	0.296	0.295	-0.001
25	4	0.294	0.295	0.001
25	5	0.297	0.286	-0.011
20	6	0.295	0.298	0.003
20	7	0.296	0.304	0.008
20	8	0.296	0.298	0.002
20	9	0.294	0.301	0.007
20	10	0.296	0.293	-0.003
35	11	0.296	0.297	0.001
35	12	0.294	0.301	0.007
35	13	0.294	0.294	0.000
35	14	0.295	0.291	-0.004
35	15	0.299	0.291	-0.008
30	16	0.295	0.295	0.000
30	17	0.294	0.298	0.004
30	18	0.295	0.297	0.002
30	19	0.296	0.311	0.015
30	20	0.297	0.301	0.004
55	21	0.296	0.296	0.000
55	22	0.294	0.292	-0.002
55	23	0.299	0.289	-0.010
55	24	0.295	0.292	-0.003
55	25	0.293	0.295	0.002
55	26	0.294	0.289	-0.005
55	27	0.294	0.292	-0.002
55	28	0.296	0.292	-0.004
55	29	0.295	0.293	-0.002
55	30	0.294	0.294	0.000
55	31	0.295	0.295	0.000
55	32	0.296	0.294	-0.002
55	33	0.296	0.296	0.000
55	34	0.295	0.293	-0.002
55	35	0.295	0.291	-0.004
55	36	0.295	0.295	0.000
55	37	0.295	0.294	-0.001
55	38	0.295	0.293	-0.002
55	39	0.296	0.295	-0.001
55	40	0.297	0.291	-0.006
55	41	0.297	0.291	-0.006
55	42	0.296	0.295	-0.001
50	43	0.294	0.293	-0.001
50	44	0.296	0.292	-0.004
50	45	0.295	0.297	0.002
50	46	0.294	0.294	0.000
50	47	0.296	0.294	-0.002
Max		0.301	0.311	0.015
Average		0.296	0.295	-0.001
Min		0.293	0.286	-0.011
Std Dev		0.001	0.004	0.005



9.188_SYNC_VOL_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	0 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	0.296	0.293	0.286	0.295	0.291	0.292	0.289
Average	0.296	0.299	0.292	0.300	0.295	0.294	0.293
Max	0.296	0.304	0.295	0.311	0.301	0.297	0.296
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500

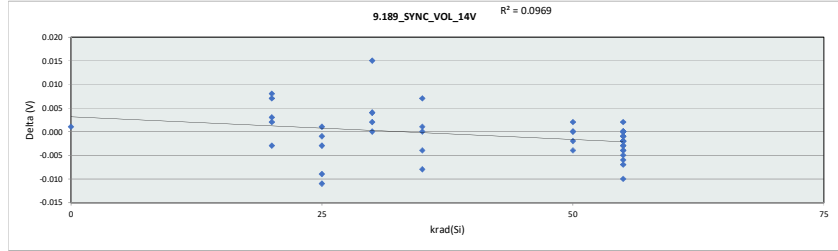


**HDR TID Report
TPS7H5007-SEP**

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

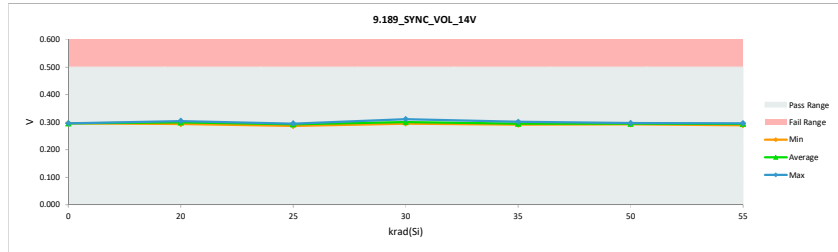
9.189_SYNC_VOL_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	0.295	0.296	0.001
25	1	0.301	0.292	-0.009
25	2	0.297	0.294	-0.003
25	3	0.296	0.295	-0.001
25	4	0.294	0.295	0.001
25	5	0.297	0.286	-0.011
20	6	0.295	0.298	0.003
20	7	0.296	0.304	0.008
20	8	0.296	0.298	0.002
20	9	0.294	0.301	0.007
20	10	0.296	0.293	-0.003
35	11	0.296	0.297	0.001
35	12	0.294	0.301	0.007
35	13	0.294	0.294	0.000
35	14	0.295	0.291	-0.004
35	15	0.299	0.291	-0.008
30	16	0.295	0.295	0.000
30	17	0.294	0.298	0.004
30	18	0.295	0.297	0.002
30	19	0.296	0.311	0.015
30	20	0.297	0.301	0.004
55	21	0.296	0.296	0.000
55	22	0.295	0.292	-0.003
55	23	0.299	0.289	-0.010
55	24	0.295	0.292	-0.003
55	25	0.293	0.295	0.002
55	26	0.294	0.289	-0.005
55	27	0.294	0.292	-0.002
55	28	0.296	0.292	-0.004
55	29	0.295	0.293	-0.002
55	30	0.294	0.294	0.000
55	31	0.295	0.295	0.000
55	32	0.296	0.294	-0.002
55	33	0.296	0.296	0.000
55	34	0.295	0.293	-0.002
55	35	0.295	0.291	-0.004
55	36	0.295	0.295	0.000
55	37	0.295	0.294	-0.001
55	38	0.295	0.293	-0.002
55	39	0.296	0.295	-0.001
55	40	0.298	0.291	-0.007
55	41	0.297	0.291	-0.006
55	42	0.296	0.295	-0.001
50	43	0.294	0.294	0.000
50	44	0.296	0.292	-0.004
50	45	0.295	0.297	0.002
50	46	0.294	0.294	0.000
50	47	0.296	0.294	-0.002
Max		0.301	0.311	0.015
Average		0.296	0.295	-0.001
Min		0.293	0.286	-0.011
Std Dev		0.002	0.004	0.005



9.189_SYNC_VOL_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	0 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	0.296	0.293	0.286	0.295	0.291	0.292	0.289
Average	0.296	0.299	0.292	0.300	0.295	0.294	0.293
Max	0.296	0.304	0.295	0.311	0.301	0.297	0.296
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500

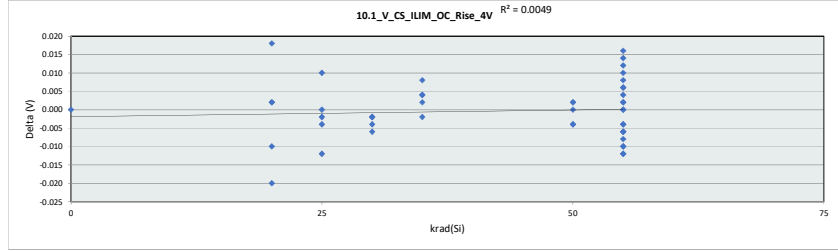


**HDR TID Report
TPS7H5007-SEP**

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

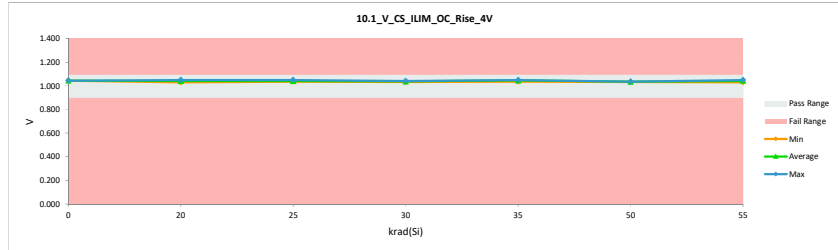
10.1_V_CS_ILIM_OC_Rise_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.09
Min Limit	0.9

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	1.044	1.044		0.000
25	1	1.040	1.036		-0.004
25	2	1.052	1.040		-0.012
25	3	1.040	1.050		0.010
25	4	1.040	1.040		0.000
25	5	1.042	1.040		-0.002
20	6	1.040	1.042		0.002
20	7	1.038	1.040		0.002
20	8	1.050	1.040		-0.010
20	9	1.032	1.050		0.018
20	10	1.050	1.030		-0.020
35	11	1.046	1.050		0.004
35	12	1.050	1.048		-0.002
35	13	1.042	1.050		0.008
35	14	1.038	1.042		0.004
35	15	1.034	1.036		0.002
30	16	1.036	1.032		-0.004
30	17	1.036	1.034		-0.002
30	18	1.042	1.036		-0.006
30	19	1.042	1.040		-0.002
30	20	1.044	1.042		-0.002
55	21	1.044	1.046		0.002
55	22	1.040	1.046		0.006
55	23	1.048	1.038		-0.010
55	24	1.038	1.046		0.008
55	25	1.048	1.036		-0.012
55	26	1.036	1.048		0.012
55	27	1.034	1.034		0.000
55	28	1.046	1.034		-0.012
55	29	1.040	1.046		0.006
55	30	1.046	1.040		-0.006
55	31	1.036	1.050		0.014
55	32	1.046	1.036		-0.010
55	33	1.044	1.044		0.000
55	34	1.034	1.044		0.010
55	35	1.044	1.038		-0.006
55	36	1.050	1.046		-0.004
55	37	1.048	1.050		0.002
55	38	1.032	1.048		0.016
55	39	1.038	1.030		-0.008
55	40	1.040	1.036		-0.004
55	41	1.036	1.040		0.004
55	42	1.040	1.034		-0.006
50	43	1.040	1.036		-0.004
50	44	1.034	1.036		0.002
50	45	1.036	1.032		-0.004
50	46	1.034	1.036		0.002
50	47	1.036	1.036		0.000
	Max	1.052	1.050		0.018
	Average	1.041	1.041		0.000
	Min	1.032	1.030		-0.020
	Std Dev	0.005	0.006		0.008



10.1_V_CS_ILIM_OC_Rise_4V	
Test Site	
Tester	
Test Number	
Max Limit	1.09
Min Limit	0.9

krad(Si)	0	20	25	30	35	50	55
LL	0.900	0.900	0.900	0.900	0.900	0.900	0.900
Min	1.044	1.030	1.036	1.032	1.036	1.032	1.030
Average	1.044	1.040	1.041	1.037	1.045	1.035	1.041
Max	1.044	1.050	1.050	1.042	1.050	1.036	1.050
UL	1.090	1.090	1.090	1.090	1.090	1.090	1.090

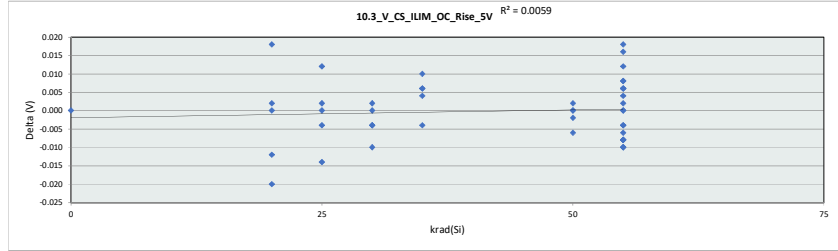


**HDR TID Report
TPS7H5007-SEP**

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

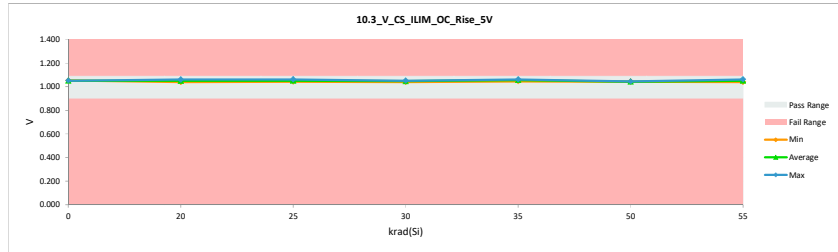
10.3_V_CS_ILIM_OC_Rise_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.09
Min Limit	0.9

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1.052	1.052	0.000
25	1	1.048	1.044	-0.004
25	2	1.062	1.048	-0.014
25	3	1.050	1.062	0.012
25	4	1.050	1.052	0.002
25	5	1.050	1.050	0.000
20	6	1.052	1.052	0.000
20	7	1.050	1.052	0.002
20	8	1.062	1.050	-0.012
20	9	1.042	1.060	0.018
20	10	1.060	1.040	-0.020
35	11	1.056	1.062	0.006
35	12	1.062	1.058	-0.004
35	13	1.052	1.062	0.010
35	14	1.046	1.052	0.006
35	15	1.042	1.046	0.004
30	16	1.044	1.040	-0.004
30	17	1.044	1.044	0.000
30	18	1.054	1.044	-0.010
30	19	1.050	1.052	0.002
30	20	1.056	1.052	-0.004
55	21	1.056	1.058	0.002
55	22	1.052	1.058	0.006
55	23	1.058	1.048	-0.010
55	24	1.048	1.056	0.008
55	25	1.056	1.046	-0.010
55	26	1.046	1.058	0.012
55	27	1.044	1.044	0.000
55	28	1.054	1.044	-0.010
55	29	1.048	1.054	0.006
55	30	1.056	1.048	-0.008
55	31	1.046	1.062	0.016
55	32	1.054	1.046	-0.008
55	33	1.054	1.054	0.000
55	34	1.046	1.054	0.008
55	35	1.056	1.048	-0.008
55	36	1.062	1.058	-0.004
55	37	1.058	1.062	0.004
55	38	1.040	1.058	0.018
55	39	1.048	1.040	-0.008
55	40	1.050	1.044	-0.006
55	41	1.044	1.050	0.006
55	42	1.048	1.044	-0.004
50	43	1.048	1.042	-0.006
50	44	1.042	1.044	0.002
50	45	1.044	1.042	-0.002
50	46	1.044	1.044	0.000
50	47	1.044	1.044	0.000
Max		1.062	1.062	0.018
Average		1.051	1.051	0.000
Min		1.040	1.040	-0.020
Std Dev		0.006	0.007	0.008



10.3_V_CS_ILIM_OC_Rise_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.09
Min Limit	0.9

krad(Si)	0	20	25	30	35	50	55
LL	0.900	0.900	0.900	0.900	0.900	0.900	0.900
Min	1.052	1.040	1.044	1.040	1.046	1.042	1.040
Average	1.052	1.051	1.051	1.046	1.056	1.043	1.052
Max	1.052	1.060	1.062	1.052	1.062	1.044	1.062
UL	1.090	1.090	1.090	1.090	1.090	1.090	1.090

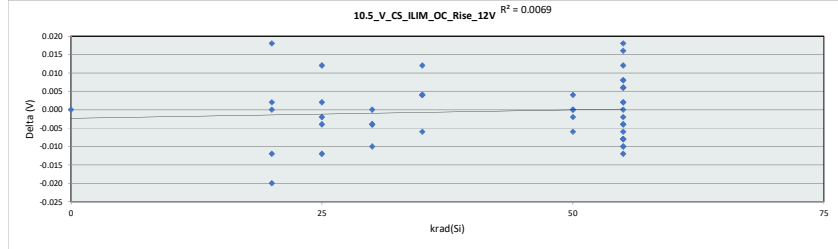


**HDR TID Report
TPS7H5007-SEP**

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

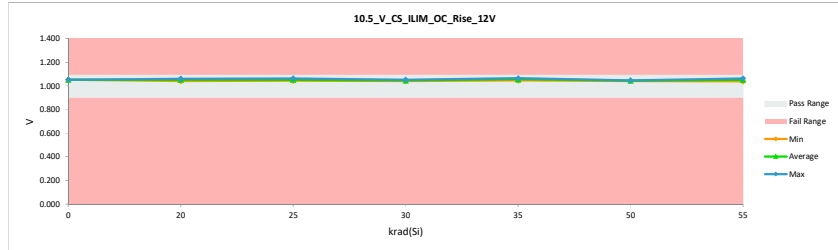
10.5_V_CS_ILIM_OC_Rise_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.09
Min Limit	0.9

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1.052	1.052	0.000
25	1	1.048	1.044	-0.004
25	2	1.062	1.050	-0.012
25	3	1.050	1.062	0.012
25	4	1.050	1.052	0.002
25	5	1.052	1.050	-0.002
20	6	1.052	1.052	0.000
20	7	1.050	1.052	0.002
20	8	1.062	1.050	-0.012
20	9	1.042	1.060	0.018
20	10	1.060	1.040	-0.020
35	11	1.056	1.060	0.004
35	12	1.064	1.058	-0.006
35	13	1.052	1.064	0.012
35	14	1.048	1.052	0.004
35	15	1.042	1.046	0.004
30	16	1.044	1.040	-0.004
30	17	1.046	1.042	-0.004
30	18	1.054	1.044	-0.010
30	19	1.052	1.052	0.000
30	20	1.056	1.052	-0.004
55	21	1.056	1.058	0.002
55	22	1.052	1.058	0.006
55	23	1.058	1.050	-0.008
55	24	1.048	1.056	0.008
55	25	1.058	1.046	-0.012
55	26	1.046	1.058	0.012
55	27	1.046	1.044	-0.002
55	28	1.054	1.044	-0.010
55	29	1.048	1.054	0.006
55	30	1.056	1.048	-0.008
55	31	1.046	1.062	0.016
55	32	1.054	1.046	-0.008
55	33	1.054	1.054	0.000
55	34	1.046	1.054	0.008
55	35	1.056	1.048	-0.008
55	36	1.062	1.058	-0.004
55	37	1.060	1.062	0.002
55	38	1.042	1.060	0.018
55	39	1.048	1.038	-0.010
55	40	1.050	1.044	-0.006
55	41	1.044	1.050	0.006
55	42	1.048	1.044	-0.004
50	43	1.048	1.042	-0.006
50	44	1.042	1.046	0.004
50	45	1.044	1.042	-0.002
50	46	1.044	1.044	0.000
50	47	1.044	1.044	0.000
	Max	1.064	1.064	0.018
	Average	1.051	1.051	0.000
	Min	1.042	1.038	-0.020
	Std Dev	0.006	0.007	0.008



10.5_V_CS_ILIM_OC_Rise_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.09
Min Limit	0.9

krad(Si)	0	20	25	30	35	50	55
LL	0.900	0.900	0.900	0.900	0.900	0.900	0.900
Min	1.052	1.040	1.044	1.040	1.046	1.042	1.038
Average	1.052	1.051	1.052	1.046	1.056	1.044	1.052
Max	1.052	1.060	1.062	1.052	1.064	1.046	1.062
UL	1.090	1.090	1.090	1.090	1.090	1.090	1.090

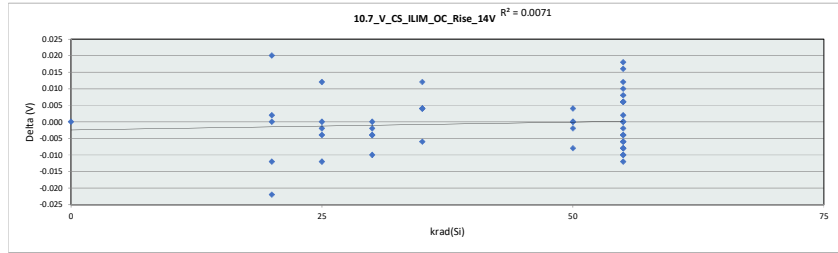


**HDR TID Report
TPS7H5007-SEP**

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

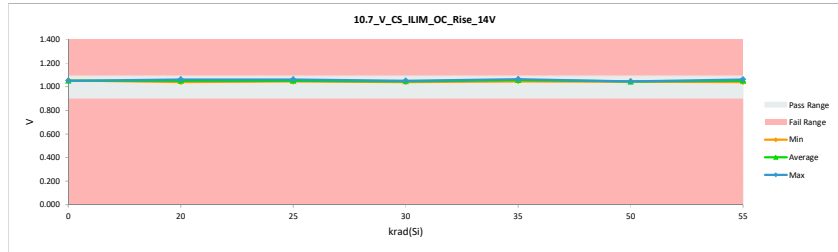
10.7_V_CS_ILIM_OC_Rise_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.09
Min Limit	0.9

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	1.052	1.052	0.000
25	1	1.048	1.044	-0.004
25	2	1.062	1.050	-0.012
25	3	1.050	1.062	0.012
25	4	1.050	1.050	0.000
25	5	1.052	1.050	-0.002
20	6	1.052	1.052	0.000
20	7	1.050	1.052	0.002
20	8	1.062	1.050	-0.012
20	9	1.042	1.062	0.020
20	10	1.062	1.040	-0.022
35	11	1.056	1.060	0.004
35	12	1.064	1.058	-0.006
35	13	1.052	1.064	0.012
35	14	1.048	1.052	0.004
35	15	1.042	1.046	0.004
30	16	1.044	1.040	-0.004
30	17	1.044	1.042	-0.002
30	18	1.054	1.044	-0.010
30	19	1.052	1.052	0.000
30	20	1.056	1.052	-0.004
55	21	1.056	1.056	0.000
55	22	1.052	1.058	0.006
55	23	1.060	1.050	-0.010
55	24	1.048	1.056	0.008
55	25	1.058	1.046	-0.012
55	26	1.046	1.058	0.012
55	27	1.046	1.044	-0.002
55	28	1.054	1.044	-0.010
55	29	1.048	1.054	0.006
55	30	1.056	1.048	-0.008
55	31	1.046	1.062	0.016
55	32	1.054	1.046	-0.008
55	33	1.054	1.054	0.000
55	34	1.046	1.056	0.010
55	35	1.056	1.050	-0.006
55	36	1.062	1.058	-0.004
55	37	1.060	1.062	0.002
55	38	1.042	1.060	0.018
55	39	1.048	1.040	-0.008
55	40	1.050	1.044	-0.006
55	41	1.044	1.050	0.006
55	42	1.048	1.044	-0.004
50	43	1.050	1.042	-0.008
50	44	1.042	1.046	0.004
50	45	1.044	1.042	-0.002
50	46	1.044	1.044	0.000
50	47	1.044	1.044	0.000
Max		1.064	1.064	0.020
Average		1.051	1.051	0.000
Min		1.042	1.040	-0.022
Std Dev		0.006	0.007	0.009



10.7_V_CS_ILIM_OC_Rise_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.09
Min Limit	0.9

krad(Si)	0	20	25	30	35	50	55
LL	0.900	0.900	0.900	0.900	0.900	0.900	0.900
Min	1.052	1.040	1.044	1.040	1.046	1.042	1.040
Average	1.052	1.051	1.051	1.046	1.056	1.044	1.052
Max	1.052	1.062	1.062	1.052	1.064	1.046	1.062
UL	1.090	1.090	1.090	1.090	1.090	1.090	1.090

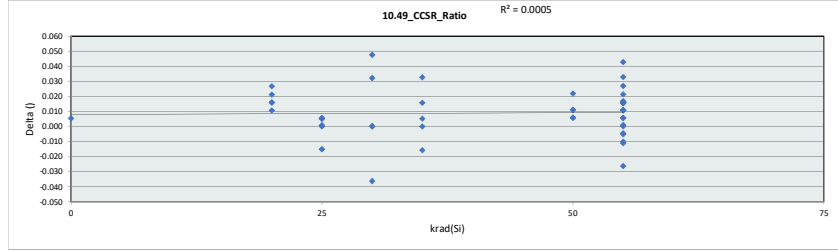


**HDR TID Report
TPS7H5007-SEP**

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

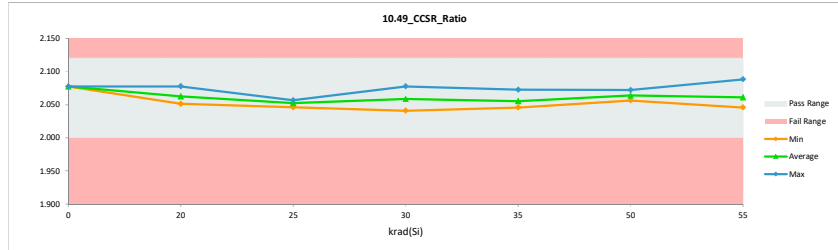
10.49_CCSR_Ratio	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	2.12
Min Limit	2

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	2.072	2.078	0.005
25	1	2.056	2.057	0.001
25	2	2.046	2.046	0.000
25	3	2.046	2.051	0.005
25	4	2.052	2.057	0.005
25	5	2.066	2.051	-0.015
20	6	2.051	2.078	0.027
20	7	2.051	2.061	0.011
20	8	2.046	2.067	0.021
20	9	2.035	2.051	0.016
20	10	2.041	2.056	0.016
35	11	2.030	2.046	0.016
35	12	2.046	2.051	0.005
35	13	2.040	2.073	0.033
35	14	2.051	2.051	0.000
35	15	2.072	2.056	-0.016
30	16	2.045	2.077	0.032
30	17	2.077	2.041	-0.036
30	18	2.030	2.078	0.048
30	19	2.051	2.051	0.000
30	20	2.046	2.046	0.000
55	21	2.040	2.056	0.016
55	22	2.046	2.051	0.006
55	23	2.061	2.062	0.001
55	24	2.051	2.078	0.027
55	25	2.061	2.057	-0.005
55	26	2.051	2.067	0.017
55	27	2.046	2.088	0.043
55	28	2.062	2.051	-0.011
55	29	2.051	2.067	0.016
55	30	2.046	2.057	0.011
55	31	2.045	2.051	0.006
55	32	2.056	2.056	0.000
55	33	2.035	2.056	0.021
55	34	2.056	2.046	-0.010
55	35	2.045	2.078	0.033
55	36	2.051	2.046	-0.005
55	37	2.045	2.062	0.016
55	38	2.046	2.056	0.011
55	39	2.062	2.078	0.016
55	40	2.046	2.062	0.015
55	41	2.083	2.057	-0.026
55	42	2.051	2.062	0.011
50	43	2.056	2.062	0.006
50	44	2.046	2.067	0.022
50	45	2.051	2.056	0.006
50	46	2.061	2.072	0.011
50	47	2.051	2.062	0.011
	Max	2.083	2.088	0.048
	Average	2.051	2.060	0.009
	Min	2.030	2.041	-0.036
	Std Dev	0.011	0.011	0.016



10.49_CCSR_Ratio	
Test Site	
Tester	
Test Number	
Unit	
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	2.078	2.051	2.046	2.041	2.046	2.056	2.046
Average	2.078	2.063	2.052	2.059	2.055	2.064	2.061
Max	2.078	2.078	2.057	2.078	2.073	2.072	2.088
UL	2.120	2.120	2.120	2.120	2.120	2.120	2.120

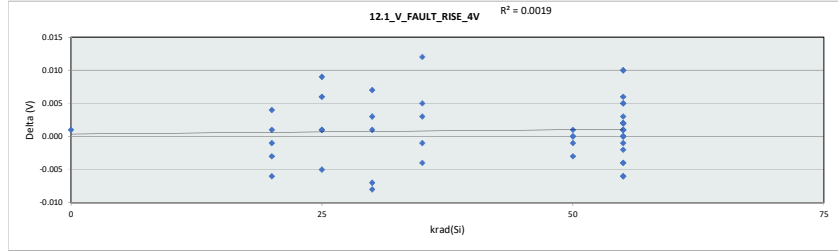


**HDR TID Report
TPS7H5007-SEP**

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

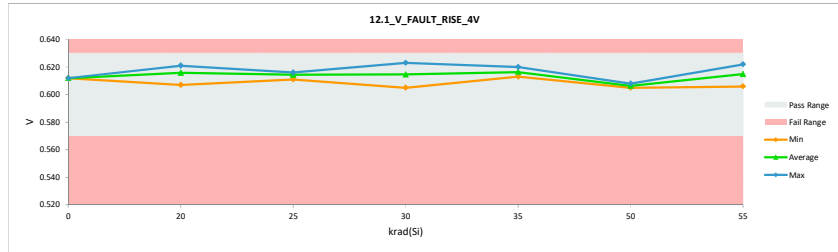
12.1_V_FAULT_RISE_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.63 0.63
Min Limit	0.57 0.57

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.611	0.612	0.001
25	1	0.613	0.614	0.001
25	2	0.614	0.615	0.001
25	3	0.610	0.616	0.006
25	4	0.616	0.611	-0.005
25	5	0.607	0.616	0.009
20	6	0.613	0.607	-0.006
20	7	0.618	0.615	-0.003
20	8	0.620	0.621	0.001
20	9	0.616	0.620	0.004
20	10	0.617	0.616	-0.001
35	11	0.611	0.616	0.005
35	12	0.614	0.613	-0.001
35	13	0.619	0.615	-0.004
35	14	0.617	0.620	0.003
35	15	0.606	0.618	0.012
30	16	0.612	0.605	-0.007
30	17	0.622	0.614	-0.008
30	18	0.616	0.623	0.007
30	19	0.615	0.616	0.001
30	20	0.612	0.615	0.003
55	21	0.613	0.615	0.002
55	22	0.619	0.613	-0.006
55	23	0.618	0.616	-0.002
55	24	0.617	0.622	0.005
55	25	0.617	0.618	0.001
55	26	0.611	0.617	0.006
55	27	0.617	0.611	-0.006
55	28	0.618	0.618	0.000
55	29	0.616	0.616	0.000
55	30	0.619	0.615	-0.004
55	31	0.612	0.622	0.010
55	32	0.612	0.614	0.002
55	33	0.614	0.616	0.002
55	34	0.607	0.617	0.010
55	35	0.613	0.609	-0.004
55	36	0.616	0.616	0.000
55	37	0.616	0.617	0.001
55	38	0.612	0.617	0.005
55	39	0.611	0.613	0.002
55	40	0.609	0.610	0.001
55	41	0.606	0.609	0.003
55	42	0.607	0.606	-0.001
50	43	0.608	0.608	0.000
50	44	0.607	0.608	0.001
50	45	0.606	0.606	0.000
50	46	0.608	0.605	-0.003
50	47	0.606	0.605	-0.001
Max		0.622	0.623	0.012
Average		0.613	0.614	0.001
Min		0.606	0.605	-0.008
Std Dev		0.004	0.005	0.005



12.1_V_FAULT_RISE_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.63 V
Min Limit	0.57 V

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	0.612	0.607	0.611	0.605	0.613	0.605	0.606
Average	0.612	0.616	0.614	0.615	0.616	0.606	0.615
Max	0.612	0.621	0.616	0.623	0.620	0.608	0.622
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630

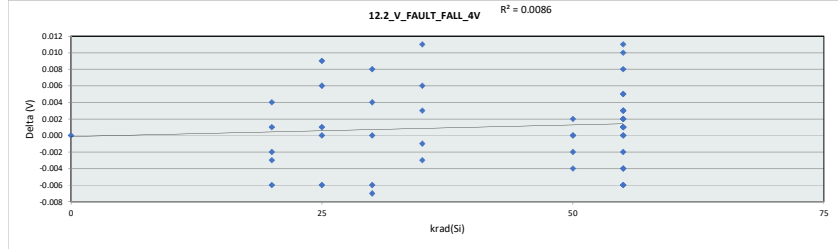


**HDR TID Report
TPS7H5007-SEP**

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

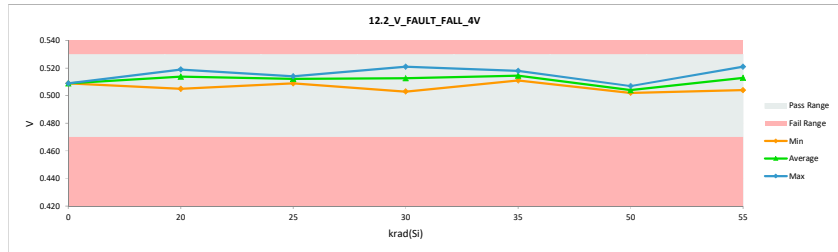
12.2_V_FAULT_FALL_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 0.53
Min Limit	0.47 0.47

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.509	0.509	0.000
25	1	0.511	0.512	0.001
25	2	0.512	0.512	0.000
25	3	0.508	0.514	0.006
25	4	0.515	0.509	-0.006
25	5	0.505	0.514	-0.009
20	6	0.511	0.505	-0.006
20	7	0.516	0.513	-0.003
20	8	0.518	0.519	0.001
20	9	0.514	0.518	0.004
20	10	0.516	0.514	-0.002
35	11	0.509	0.515	0.006
35	12	0.512	0.511	-0.001
35	13	0.517	0.514	-0.003
35	14	0.515	0.518	0.003
35	15	0.504	0.515	0.011
30	16	0.510	0.503	-0.007
30	17	0.519	0.513	-0.006
30	18	0.513	0.521	0.008
30	19	0.513	0.513	0.000
30	20	0.510	0.514	0.004
55	21	0.510	0.513	0.003
55	22	0.517	0.511	-0.006
55	23	0.516	0.514	-0.002
55	24	0.515	0.520	0.005
55	25	0.515	0.517	0.002
55	26	0.508	0.516	0.008
55	27	0.515	0.509	-0.006
55	28	0.516	0.516	0.000
55	29	0.513	0.514	0.001
55	30	0.517	0.513	-0.004
55	31	0.510	0.521	0.011
55	32	0.509	0.512	0.003
55	33	0.513	0.514	0.001
55	34	0.505	0.515	0.010
55	35	0.511	0.507	-0.004
55	36	0.514	0.515	0.001
55	37	0.514	0.515	0.001
55	38	0.510	0.515	0.005
55	39	0.508	0.511	0.003
55	40	0.506	0.508	0.002
55	41	0.504	0.506	0.002
55	42	0.504	0.504	0.000
50	43	0.506	0.506	0.000
50	44	0.505	0.507	0.002
50	45	0.503	0.503	0.000
50	46	0.506	0.502	-0.004
50	47	0.504	0.502	-0.002
Max		0.519	0.521	0.011
Average		0.511	0.512	0.001
Min		0.503	0.502	-0.007
Std Dev		0.004	0.005	0.005



12.2_V_FAULT_FALL_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 V
Min Limit	0.47 V

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	0.509	0.505	0.509	0.503	0.511	0.502	0.504
Average	0.509	0.514	0.512	0.513	0.515	0.504	0.513
Max	0.509	0.519	0.514	0.521	0.518	0.507	0.521
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

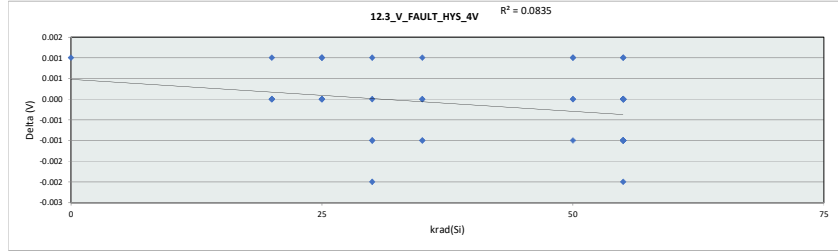


**HDR TID Report
TPS7H5007-SEP**

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

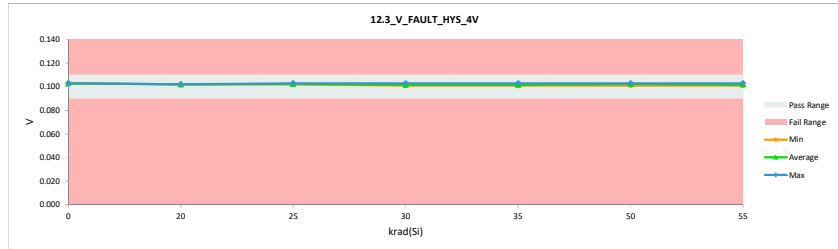
12.3_V_FAULT_HYS_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.11 0.11
Min Limit	0.09 0.09

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.102	0.103	0.001
25	1	0.102	0.102	0.000
25	2	0.102	0.103	0.001
25	3	0.102	0.102	0.000
25	4	0.101	0.102	0.001
25	5	0.102	0.102	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	0.101	0.102	0.001
35	11	0.102	0.101	-0.001
35	12	0.102	0.102	0.000
35	13	0.102	0.101	-0.001
35	14	0.102	0.102	0.000
35	15	0.102	0.103	0.001
30	16	0.102	0.102	0.000
30	17	0.103	0.101	-0.002
30	18	0.103	0.102	-0.001
30	19	0.102	0.103	0.001
30	20	0.102	0.101	-0.001
55	21	0.103	0.102	-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	0.102	0.101	-0.001
55	26	0.103	0.101	-0.002
55	27	0.102	0.102	0.000
55	28	0.102	0.102	0.000
55	29	0.103	0.102	-0.001
55	30	0.102	0.102	0.000
55	31	0.102	0.101	-0.001
55	32	0.103	0.102	-0.001
55	33	0.101	0.102	0.001
55	34	0.102	0.102	0.000
55	35	0.102	0.102	0.000
55	36	0.102	0.101	-0.001
55	37	0.102	0.102	0.000
55	38	0.102	0.102	0.000
55	39	0.103	0.102	-0.001
55	40	0.103	0.102	-0.001
55	41	0.102	0.103	0.001
55	42	0.103	0.102	-0.001
50	43	0.102	0.102	0.000
50	44	0.102	0.101	-0.001
50	45	0.103	0.103	0.000
50	46	0.102	0.103	0.001
50	47	0.102	0.103	0.001
Max		0.103	0.103	0.001
Average		0.102	0.102	0.000
Min		0.101	0.101	-0.002
Std Dev		0.001	0.001	0.001



12.3_V_FAULT_HYS_4V	
Test Site	
Tester	
Test Number	
Unit	V V
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	0.103	0.102	0.102	0.101	0.101	0.101	0.101
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

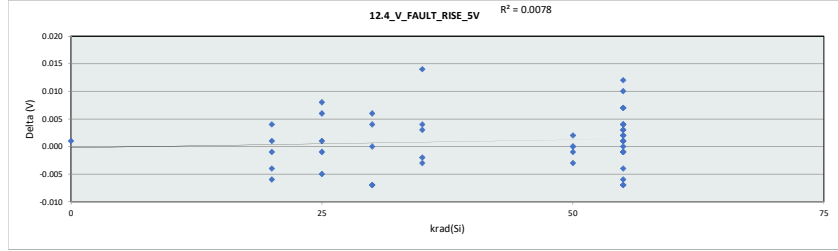


**HDR TID Report
TPS7H5007-SEP**

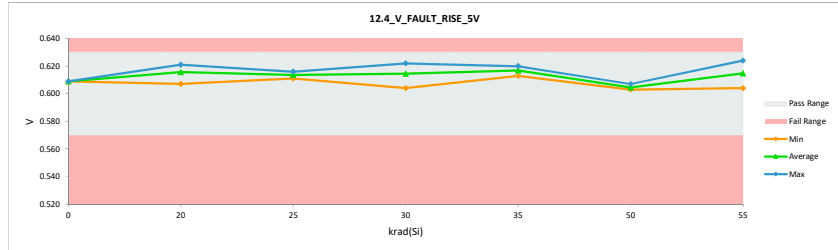
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

12.4_V_FAULT_RISE_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.63 0.63
Min Limit	0.57 0.57

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	0.608	0.609	0.001
25	1	0.612	0.613	0.001
25	2	0.614	0.613	-0.001
25	3	0.610	0.616	0.006
25	4	0.616	0.611	-0.005
25	5	0.607	0.615	0.008
20	6	0.613	0.607	-0.006
20	7	0.618	0.614	-0.004
20	8	0.620	0.621	0.001
20	9	0.616	0.620	0.004
20	10	0.617	0.616	-0.001
35	11	0.612	0.616	0.004
35	12	0.616	0.613	-0.003
35	13	0.619	0.617	-0.002
35	14	0.617	0.620	0.003
35	15	0.604	0.618	0.014
30	16	0.611	0.604	-0.007
30	17	0.621	0.614	-0.007
30	18	0.616	0.622	0.006
30	19	0.616	0.616	0.000
30	20	0.613	0.617	0.004
55	21	0.612	0.615	0.003
55	22	0.619	0.612	-0.007
55	23	0.617	0.616	-0.001
55	24	0.617	0.621	0.004
55	25	0.615	0.619	0.004
55	26	0.610	0.617	0.007
55	27	0.618	0.611	-0.007
55	28	0.618	0.618	0.000
55	29	0.615	0.616	0.001
55	30	0.620	0.614	-0.006
55	31	0.612	0.624	0.012
55	32	0.612	0.614	0.002
55	33	0.615	0.616	0.001
55	34	0.607	0.617	0.010
55	35	0.613	0.609	-0.004
55	36	0.617	0.616	-0.001
55	37	0.616	0.618	0.002
55	38	0.611	0.618	0.007
55	39	0.609	0.612	0.003
55	40	0.607	0.608	0.001
55	41	0.604	0.608	0.004
55	42	0.605	0.604	-0.001
50	43	0.606	0.606	0.000
50	44	0.605	0.607	0.002
50	45	0.604	0.604	0.000
50	46	0.606	0.603	-0.003
50	47	0.604	0.603	-0.001
Max		0.621	0.624	0.014
Average		0.613	0.614	0.001
Min		0.604	0.603	-0.007
Std Dev		0.005	0.005	0.005



12.4_V_FAULT_RISE_5V							
Test Site							
Tester							
Test Number							
Max Limit	0.63 V						
Min Limit	0.57 V						
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	0.609	0.607	0.611	0.604	0.613	0.603	0.604
Average	0.609	0.616	0.614	0.615	0.617	0.605	0.615
Max	0.609	0.621	0.616	0.622	0.620	0.607	0.624
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630

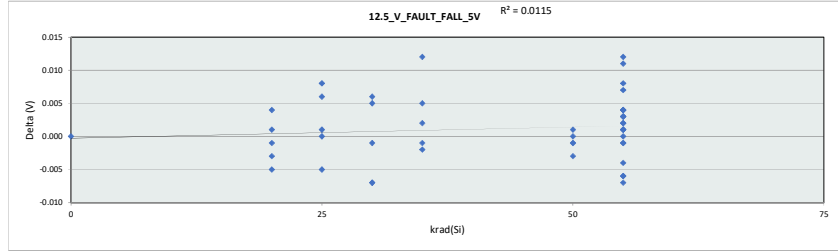


**HDR TID Report
TPS7H5007-SEP**

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

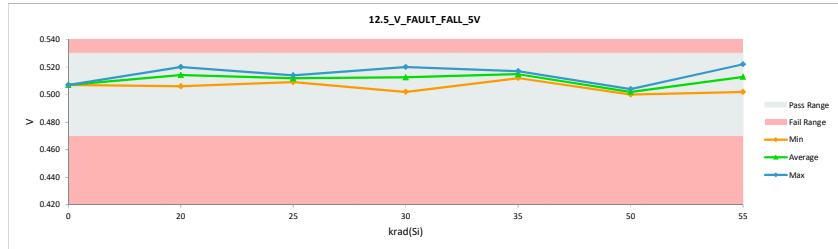
12.5_V_FAULT_FALL_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 0.53
Min Limit	0.47 0.47

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.507	0.507	0.000
25	1	0.510	0.511	0.001
25	2	0.512	0.512	0.000
25	3	0.508	0.514	0.006
25	4	0.514	0.509	-0.005
25	5	0.505	0.513	0.008
20	6	0.511	0.506	-0.005
20	7	0.516	0.513	-0.003
20	8	0.519	0.520	0.001
20	9	0.514	0.518	0.004
20	10	0.515	0.514	-0.001
35	11	0.510	0.515	0.005
35	12	0.514	0.512	-0.002
35	13	0.516	0.515	-0.001
35	14	0.515	0.517	0.002
35	15	0.503	0.515	0.012
30	16	0.509	0.502	-0.007
30	17	0.519	0.512	-0.007
30	18	0.514	0.520	0.006
30	19	0.515	0.514	-0.001
30	20	0.510	0.515	0.005
55	21	0.510	0.513	0.003
55	22	0.517	0.510	-0.007
55	23	0.515	0.514	-0.001
55	24	0.515	0.519	0.004
55	25	0.513	0.517	0.004
55	26	0.508	0.516	0.008
55	27	0.515	0.509	-0.006
55	28	0.515	0.516	0.001
55	29	0.512	0.514	0.002
55	30	0.518	0.512	-0.006
55	31	0.510	0.522	0.012
55	32	0.510	0.513	0.003
55	33	0.513	0.514	0.001
55	34	0.505	0.516	0.011
55	35	0.511	0.507	-0.004
55	36	0.515	0.515	0.000
55	37	0.515	0.517	0.002
55	38	0.509	0.516	0.007
55	39	0.507	0.510	0.003
55	40	0.505	0.506	0.001
55	41	0.502	0.506	0.004
55	42	0.503	0.502	-0.001
50	43	0.504	0.504	0.000
50	44	0.503	0.504	0.001
50	45	0.502	0.501	-0.001
50	46	0.503	0.500	-0.003
50	47	0.502	0.501	-0.001
Max		0.519	0.522	0.012
Average		0.511	0.512	0.001
Min		0.502	0.500	-0.007
Std Dev		0.005	0.006	0.005



12.5_V_FAULT_FALL_5V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 V
Min Limit	0.47 V

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	0.507	0.506	0.509	0.502	0.512	0.500	0.502
Average	0.507	0.514	0.512	0.513	0.515	0.502	0.513
Max	0.507	0.520	0.514	0.520	0.517	0.504	0.522
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

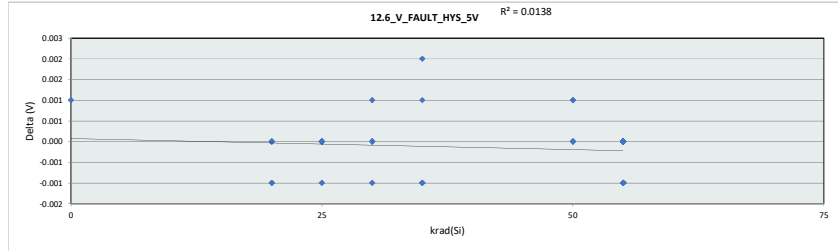


**HDR TID Report
TPS7H5007-SEP**

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

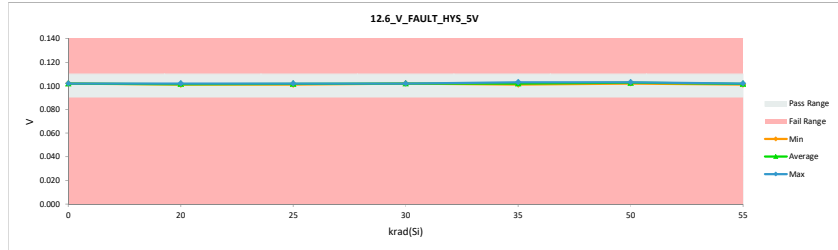
12.6_V_FAULT_HYS_5V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.11
Min Limit	0.09

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	0.101	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	0.102	0.102		0.000
20	6	0.102	0.101		-0.001
20	7	0.102	0.101		-0.001
20	8	0.101	0.101		0.000
20	9	0.102	0.102		0.000
20	10	0.102	0.102		0.000
35	11	0.102	0.101		-0.001
35	12	0.102	0.101		-0.001
35	13	0.103	0.102		-0.001
35	14	0.102	0.103		0.001
35	15	0.101	0.103		0.002
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	0.101	0.102		0.001
30	20	0.103	0.102		-0.001
55	21	0.102	0.102		0.000
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	0.102	0.102		0.000
55	26	0.102	0.101		-0.001
55	27	0.103	0.102		-0.001
55	28	0.103	0.102		-0.001
55	29	0.103	0.102		-0.001
55	30	0.102	0.102		0.000
55	31	0.102	0.102		0.000
55	32	0.102	0.101		-0.001
55	33	0.102	0.102		0.000
55	34	0.102	0.101		-0.001
55	35	0.102	0.102		0.000
55	36	0.102	0.101		-0.001
55	37	0.101	0.101		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	0.102	0.102		0.000
50	44	0.102	0.103		0.001
50	45	0.102	0.103		0.001
50	46	0.103	0.103		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	0.101		-0.001
Std Dev		0.000	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	0.102	0.101	0.101	0.102	0.101	0.102	0.101
Average	0.102	0.101	0.102	0.102	0.102	0.103	0.102
Max	0.102	0.102	0.102	0.102	0.103	0.103	0.102
UL	0.110	0.110	0.110	0.110	0.110	0.110	0.110

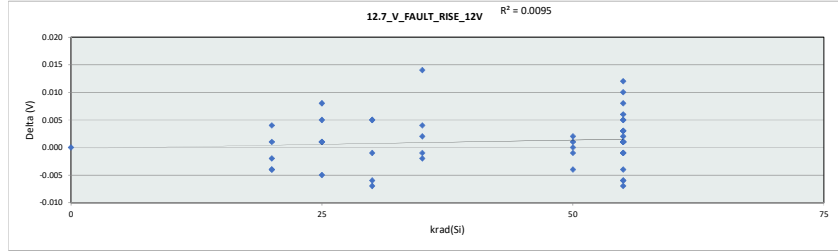


**HDR TID Report
TPS7H5007-SEP**

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

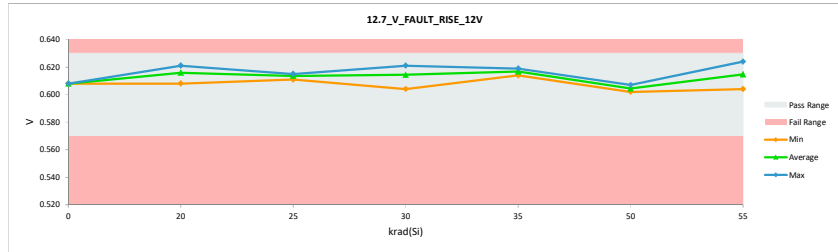
12.7_V_FAULT_RISE_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.63 0.63
Min Limit	0.57 0.57

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.608	0.608	0.000
25	1	0.612	0.613	0.001
25	2	0.613	0.614	0.001
25	3	0.610	0.615	0.005
25	4	0.616	0.611	-0.005
25	5	0.607	0.615	0.008
20	6	0.612	0.608	-0.004
20	7	0.618	0.614	-0.004
20	8	0.620	0.621	0.001
20	9	0.616	0.620	0.004
20	10	0.618	0.616	-0.002
35	11	0.612	0.616	0.004
35	12	0.615	0.614	-0.001
35	13	0.619	0.617	-0.002
35	14	0.617	0.619	0.002
35	15	0.604	0.618	0.014
30	16	0.611	0.604	-0.007
30	17	0.620	0.614	-0.006
30	18	0.616	0.621	0.005
30	19	0.617	0.616	-0.001
30	20	0.612	0.617	0.005
55	21	0.612	0.615	0.003
55	22	0.619	0.612	-0.007
55	23	0.617	0.616	-0.001
55	24	0.616	0.621	0.005
55	25	0.615	0.618	0.003
55	26	0.611	0.617	0.006
55	27	0.617	0.611	-0.006
55	28	0.617	0.618	0.001
55	29	0.615	0.616	0.001
55	30	0.620	0.614	-0.006
55	31	0.612	0.624	0.012
55	32	0.612	0.614	0.002
55	33	0.615	0.616	0.001
55	34	0.607	0.617	0.010
55	35	0.613	0.609	-0.004
55	36	0.617	0.616	-0.001
55	37	0.617	0.618	0.001
55	38	0.610	0.618	0.008
55	39	0.609	0.612	0.003
55	40	0.607	0.608	0.001
55	41	0.603	0.608	0.005
55	42	0.605	0.604	-0.001
50	43	0.605	0.606	0.001
50	44	0.605	0.607	0.002
50	45	0.604	0.604	0.000
50	46	0.606	0.602	-0.004
50	47	0.604	0.603	-0.001
Max		0.620	0.624	0.014
Average		0.613	0.614	0.001
Min		0.603	0.602	-0.007
Std Dev		0.005	0.005	0.005



12.7_V_FAULT_RISE_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.63 V
Min Limit	0.57 V

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	0.608	0.608	0.611	0.604	0.614	0.602	0.604
Average	0.608	0.616	0.614	0.614	0.617	0.604	0.615
Max	0.608	0.621	0.615	0.621	0.619	0.607	0.624
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630

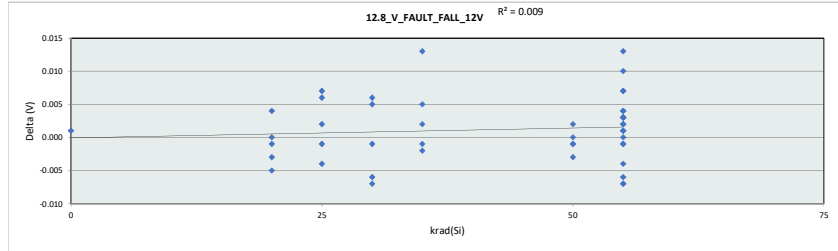


**HDR TID Report
TPS7H5007-SEP**

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

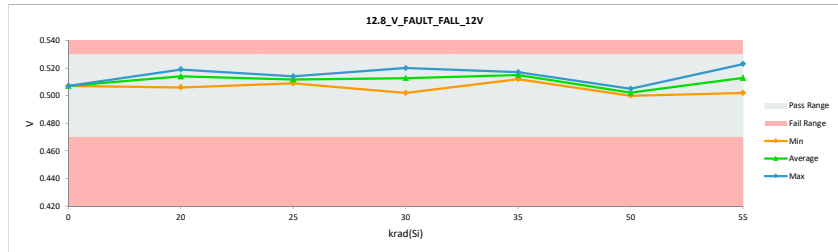
12.8_V_FAULT_FALL_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 0.53
Min Limit	0.47 0.47

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	0.506	0.507	0.001
25	1	0.510	0.512	0.002
25	2	0.512	0.511	-0.001
25	3	0.508	0.514	0.006
25	4	0.513	0.509	-0.004
25	5	0.506	0.513	0.007
20	6	0.511	0.506	-0.005
20	7	0.516	0.513	-0.003
20	8	0.519	0.519	0.000
20	9	0.514	0.518	0.004
20	10	0.515	0.514	-0.001
35	11	0.510	0.515	0.005
35	12	0.514	0.512	-0.002
35	13	0.516	0.515	-0.001
35	14	0.515	0.517	0.002
35	15	0.503	0.516	0.013
30	16	0.509	0.502	-0.007
30	17	0.518	0.512	-0.006
30	18	0.514	0.520	0.006
30	19	0.515	0.514	-0.001
30	20	0.511	0.516	0.005
55	21	0.510	0.513	0.003
55	22	0.517	0.510	-0.007
55	23	0.515	0.514	-0.001
55	24	0.515	0.518	0.003
55	25	0.513	0.517	0.004
55	26	0.508	0.515	0.007
55	27	0.516	0.509	-0.007
55	28	0.515	0.516	0.001
55	29	0.512	0.514	0.002
55	30	0.518	0.512	-0.006
55	31	0.510	0.523	0.013
55	32	0.510	0.513	0.003
55	33	0.513	0.515	0.002
55	34	0.505	0.515	0.010
55	35	0.511	0.507	-0.004
55	36	0.515	0.515	0.000
55	37	0.514	0.517	0.003
55	38	0.509	0.516	0.007
55	39	0.507	0.510	0.003
55	40	0.505	0.506	0.001
55	41	0.502	0.506	0.004
55	42	0.503	0.502	-0.001
50	43	0.504	0.504	0.000
50	44	0.503	0.505	0.002
50	45	0.502	0.501	-0.001
50	46	0.503	0.500	-0.003
50	47	0.502	0.501	-0.001
Max		0.519	0.523	0.013
Average		0.511	0.512	0.001
Min		0.502	0.500	-0.007
Std Dev		0.005	0.005	0.005



12.8_V_FAULT_FALL_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.53 V
Min Limit	0.47 V

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	0.507	0.506	0.509	0.502	0.512	0.500	0.502
Average	0.507	0.514	0.512	0.513	0.515	0.502	0.513
Max	0.507	0.519	0.514	0.520	0.517	0.505	0.523
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

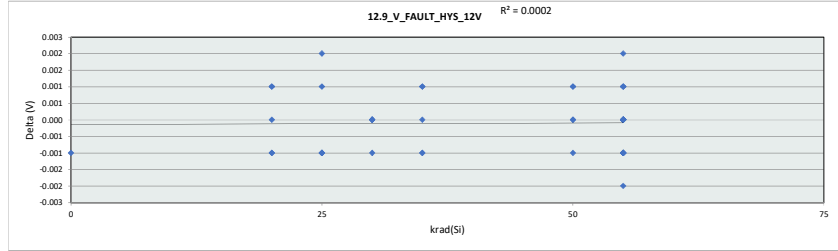


**HDR TID Report
TPS7H5007-SEP**

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

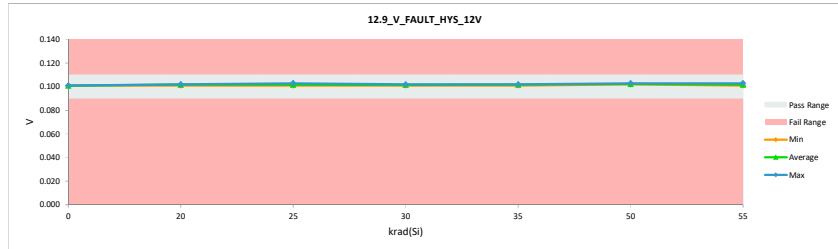
12.9_V_FAULT_HYS_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.11 0.11
Min Limit	0.09 0.09

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.102	0.101	-0.001
25	1	0.102	0.101	-0.001
25	2	0.101	0.103	0.002
25	3	0.102	0.101	-0.001
25	4	0.103	0.102	-0.001
25	5	0.101	0.102	0.001
20	6	0.101	0.102	0.001
20	7	0.102	0.101	-0.001
20	8	0.101	0.102	0.001
20	9	0.102	0.102	0.000
20	10	0.103	0.102	-0.001
35	11	0.102	0.101	-0.001
35	12	0.101	0.102	0.001
35	13	0.103	0.102	-0.001
35	14	0.102	0.102	0.000
35	15	0.101	0.102	0.001
30	16	0.102	0.102	0.000
30	17	0.102	0.102	0.000
30	18	0.102	0.101	-0.001
30	19	0.102	0.102	0.000
30	20	0.101	0.101	0.000
55	21	0.102	0.102	0.000
55	22	0.102	0.102	0.000
55	23	0.102	0.102	0.000
55	24	0.101	0.103	0.002
55	25	0.102	0.101	-0.001
55	26	0.103	0.102	-0.001
55	27	0.101	0.102	0.001
55	28	0.102	0.102	0.000
55	29	0.103	0.102	-0.001
55	30	0.102	0.102	0.000
55	31	0.102	0.101	-0.001
55	32	0.102	0.101	-0.001
55	33	0.102	0.101	-0.001
55	34	0.102	0.102	0.000
55	35	0.102	0.102	0.000
55	36	0.102	0.101	-0.001
55	37	0.103	0.101	-0.002
55	38	0.101	0.102	0.001
55	39	0.102	0.102	0.000
55	40	0.102	0.102	0.000
55	41	0.101	0.102	0.001
55	42	0.102	0.102	0.000
50	43	0.101	0.102	0.001
50	44	0.102	0.102	0.000
50	45	0.102	0.103	0.001
50	46	0.103	0.102	-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



12.9_V_FAULT_HYS_12V	
Test Site	
Tester	
Test Number	
Unit	V V
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	0.101	0.101	0.101	0.101	0.101	0.102	0.101
Average	0.101	0.102	0.102	0.102	0.102	0.102	0.102
Max	0.101	0.102	0.103	0.102	0.102	0.103	0.103
UL	0.110	0.110	0.110	0.110	0.110	0.110	0.110

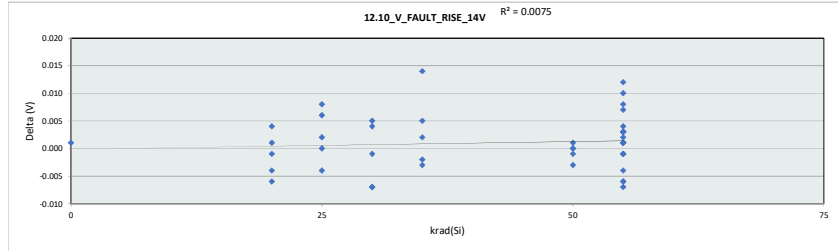


**HDR TID Report
TPS7H5007-SEP**

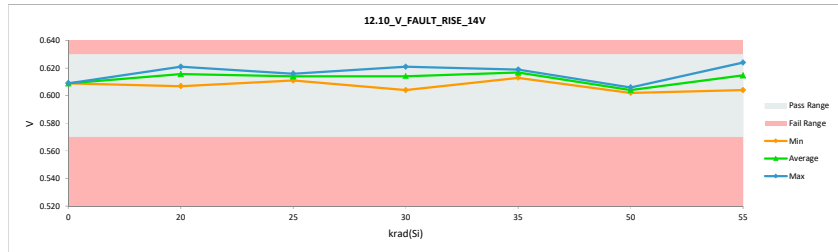
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

12.10_V_FAULT_RISE_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.63 0.63
Min Limit	0.57 0.57

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	0.608	0.609	0.001
25	1	0.612	0.614	0.002
25	2	0.614	0.614	0.000
25	3	0.610	0.616	0.006
25	4	0.615	0.611	-0.004
25	5	0.607	0.615	0.008
20	6	0.613	0.607	-0.006
20	7	0.618	0.614	-0.004
20	8	0.620	0.621	0.001
20	9	0.616	0.620	0.004
20	10	0.617	0.616	-0.001
35	11	0.612	0.617	0.005
35	12	0.616	0.613	-0.003
35	13	0.619	0.617	-0.002
35	14	0.617	0.619	0.002
35	15	0.604	0.618	0.014
30	16	0.611	0.604	-0.007
30	17	0.620	0.613	-0.007
30	18	0.616	0.621	0.005
30	19	0.617	0.616	-0.001
30	20	0.613	0.617	0.004
55	21	0.612	0.615	0.003
55	22	0.619	0.612	-0.007
55	23	0.617	0.616	-0.001
55	24	0.617	0.621	0.004
55	25	0.615	0.618	0.003
55	26	0.610	0.617	0.007
55	27	0.617	0.611	-0.006
55	28	0.617	0.618	0.001
55	29	0.614	0.616	0.002
55	30	0.620	0.614	-0.006
55	31	0.612	0.624	0.012
55	32	0.612	0.615	0.003
55	33	0.615	0.616	0.001
55	34	0.607	0.617	0.010
55	35	0.613	0.609	-0.004
55	36	0.617	0.616	-0.001
55	37	0.617	0.618	0.001
55	38	0.610	0.618	0.008
55	39	0.609	0.612	0.003
55	40	0.607	0.608	0.001
55	41	0.604	0.607	0.003
55	42	0.605	0.604	-0.001
50	43	0.606	0.606	0.000
50	44	0.605	0.606	0.001
50	45	0.604	0.604	0.000
50	46	0.605	0.602	-0.003
50	47	0.604	0.603	-0.001
Max		0.620	0.624	0.014
Average		0.613	0.614	0.001
Min		0.604	0.602	-0.007
Std Dev		0.005	0.005	0.005



12.10_V_FAULT_RISE_14V	
Test Site	
Tester	
Test Number	
Max Limit	0.63 V
Min Limit	0.57 V
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	0.609 0.607 0.611 0.604 0.613 0.602 0.604
Average	0.609 0.616 0.614 0.614 0.617 0.604 0.615
Max	0.609 0.621 0.616 0.621 0.619 0.606 0.624
UL	0.630 0.630 0.630 0.630 0.630 0.630 0.630

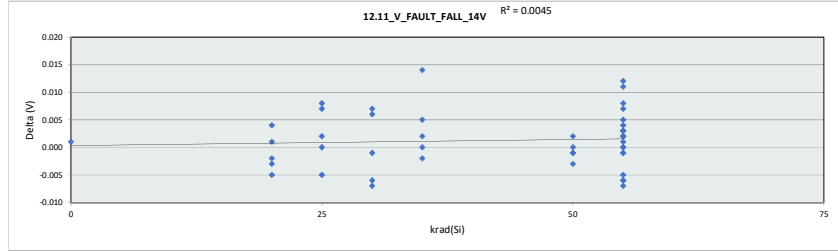


**HDR TID Report
TPS7H5007-SEP**

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

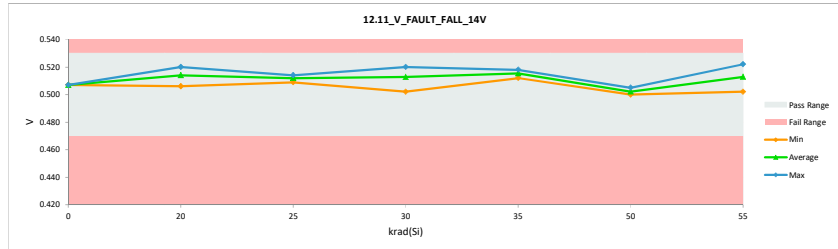
12.11_V_FAULT_FALL_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 0.53
Min Limit	0.47 0.47

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	0.506	0.507	0.001
25	1	0.510	0.512	0.002
25	2	0.512	0.512	0.000
25	3	0.507	0.514	0.007
25	4	0.514	0.509	-0.005
25	5	0.505	0.513	0.008
20	6	0.511	0.506	-0.005
20	7	0.516	0.513	-0.003
20	8	0.519	0.520	0.001
20	9	0.514	0.518	0.004
20	10	0.515	0.513	-0.002
35	11	0.510	0.515	0.005
35	12	0.514	0.512	-0.002
35	13	0.516	0.516	0.000
35	14	0.516	0.518	0.002
35	15	0.502	0.516	0.014
30	16	0.509	0.502	-0.007
30	17	0.518	0.512	-0.006
30	18	0.513	0.520	0.007
30	19	0.515	0.514	-0.001
30	20	0.510	0.516	0.006
55	21	0.510	0.513	0.003
55	22	0.517	0.510	-0.007
55	23	0.515	0.514	-0.001
55	24	0.515	0.518	0.003
55	25	0.512	0.517	0.005
55	26	0.508	0.516	0.008
55	27	0.515	0.509	-0.006
55	28	0.516	0.516	0.000
55	29	0.512	0.514	0.002
55	30	0.518	0.512	-0.006
55	31	0.510	0.522	0.012
55	32	0.510	0.512	0.002
55	33	0.513	0.515	0.002
55	34	0.505	0.516	0.011
55	35	0.511	0.506	-0.005
55	36	0.515	0.515	0.000
55	37	0.515	0.517	0.002
55	38	0.509	0.516	0.007
55	39	0.507	0.510	0.003
55	40	0.505	0.506	0.001
55	41	0.502	0.506	0.004
55	42	0.503	0.502	-0.001
50	43	0.504	0.504	0.000
50	44	0.503	0.505	0.002
50	45	0.502	0.501	-0.001
50	46	0.503	0.500	-0.003
50	47	0.502	0.501	-0.001
Max		0.519	0.522	0.014
Average		0.511	0.512	0.001
Min		0.502	0.500	-0.007
Std Dev		0.005	0.006	0.005



12.11_V_FAULT_FALL_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 V
Min Limit	0.47 V

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	0.507	0.506	0.509	0.502	0.512	0.500	0.502
Average	0.507	0.514	0.512	0.513	0.515	0.502	0.513
Max	0.507	0.520	0.514	0.520	0.518	0.505	0.522
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530

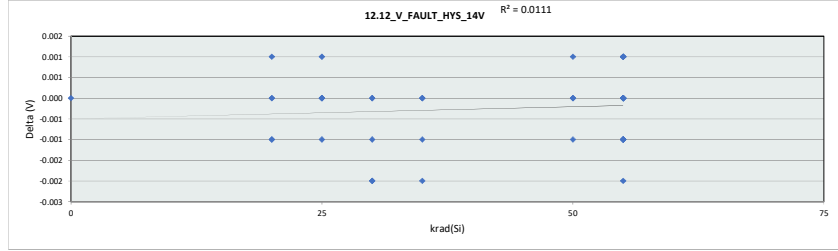


**HDR TID Report
TPS7H5007-SEP**

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

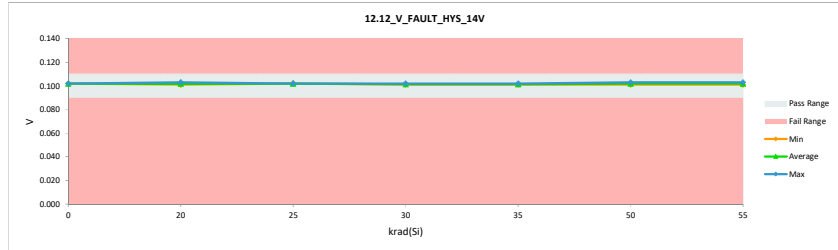
12.12_V_FAULT_HYS_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.11 0.11
Min Limit	0.09 0.09

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	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	0.103	0.102	-0.001
25	4	0.101	0.102	0.001
25	5	0.102	0.102	0.000
20	6	0.102	0.101	-0.001
20	7	0.102	0.101	-0.001
20	8	0.101	0.101	0.000
20	9	0.102	0.102	0.000
20	10	0.102	0.103	0.001
35	11	0.102	0.102	0.000
35	12	0.102	0.101	-0.001
35	13	0.103	0.101	-0.002
35	14	0.101	0.101	0.000
35	15	0.102	0.102	0.000
30	16	0.102	0.102	0.000
30	17	0.102	0.101	-0.001
30	18	0.103	0.101	-0.002
30	19	0.102	0.102	0.000
30	20	0.103	0.101	-0.002
55	21	0.102	0.102	0.000
55	22	0.102	0.102	0.000
55	23	0.102	0.102	0.000
55	24	0.102	0.103	0.001
55	25	0.103	0.101	-0.002
55	26	0.102	0.101	-0.001
55	27	0.102	0.102	0.000
55	28	0.101	0.102	0.001
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	0.103	0.001
55	33	0.102	0.101	-0.001
55	34	0.102	0.101	-0.001
55	35	0.102	0.103	0.001
55	36	0.102	0.101	-0.001
55	37	0.102	0.101	-0.001
55	38	0.101	0.102	0.001
55	39	0.102	0.102	0.000
55	40	0.102	0.102	0.000
55	41	0.102	0.101	-0.001
55	42	0.102	0.102	0.000
50	43	0.102	0.102	0.000
50	44	0.102	0.101	-0.001
50	45	0.102	0.103	0.001
50	46	0.102	0.102	0.000
50	47	0.102	0.102	0.000
Max		0.103	0.103	0.001
Average		0.102	0.102	0.000
Min		0.101	0.101	-0.002
Std Dev		0.000	0.001	0.001



12.12_V_FAULT_HYS_14V	
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	0.102	0.101	0.102	0.101	0.101	0.101	0.101
Average	0.102	0.102	0.102	0.102	0.101	0.102	0.102
Max	0.102	0.103	0.102	0.102	0.102	0.103	0.103
UL	0.110	0.110	0.110	0.110	0.110	0.110	0.110

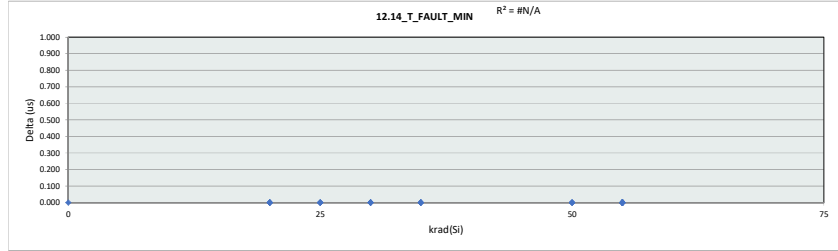


**HDR TID Report
TPS7H5007-SEP**

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

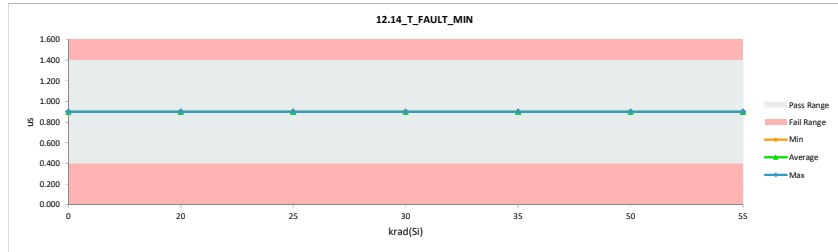
12.14_T_FAULT_MIN	
Test Site	
Tester	
Test Number	
Unit	us
Max Limit	1.4
Min Limit	0.4

krad(Si)	Serial #	007_SEP_Pre	HDI007_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	
Unit	us
Max Limit	1.4
Min Limit	0.4

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

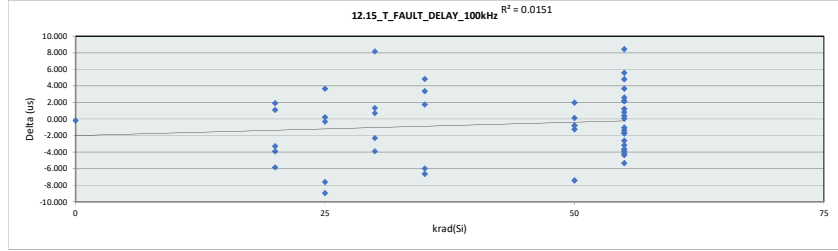


**HDR TID Report
TPS7H5007-SEP**

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

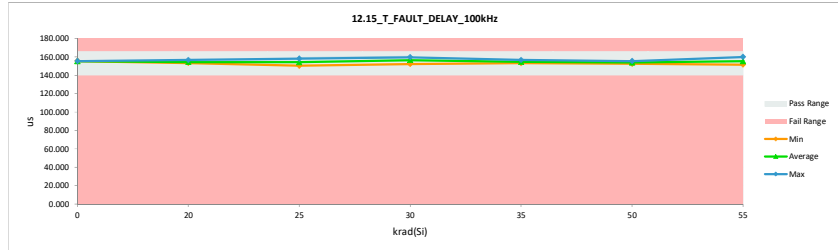
12.15_T_FAULT_DELAY_100kHz	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	166 166
Min Limit	140 140

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	155.744	155.519	-0.225
25	1	154.462	158.106	3.644
25	2	160.409	152.774	-7.635
25	3	153.765	153.960	0.195
25	4	155.919	155.581	-0.338
25	5	159.538	150.571	-8.967
20	6	159.349	153.472	-5.877
20	7	157.174	153.868	-3.306
20	8	154.777	156.663	1.886
20	9	152.578	153.659	1.081
20	10	158.815	154.870	-3.945
35	11	151.849	156.659	4.810
35	12	151.224	154.556	3.332
35	13	159.709	153.711	-5.998
35	14	159.845	153.193	-6.652
35	15	153.618	155.340	1.722
30	16	158.991	159.684	0.693
30	17	154.592	152.256	-2.336
30	18	158.190	154.272	-3.918
30	19	151.156	159.302	8.146
30	20	156.224	157.527	1.303
55	21	157.360	152.015	-5.345
55	22	151.209	156.002	4.793
55	23	152.453	155.029	2.576
55	24	152.613	158.172	5.559
55	25	153.784	157.444	3.660
55	26	153.251	154.060	0.809
55	27	158.823	160.026	1.203
55	28	160.341	156.144	-4.197
55	29	150.521	158.938	8.417
55	30	158.271	153.899	-4.372
55	31	154.291	154.323	0.032
55	32	156.466	152.798	-3.668
55	33	155.623	152.440	-3.183
55	34	157.219	159.361	2.142
55	35	153.670	151.901	-1.769
55	36	157.764	159.906	2.142
55	37	159.165	157.780	-1.385
55	38	157.209	153.292	-3.917
55	39	151.273	151.640	0.367
55	40	153.505	152.446	-1.059
55	41	158.126	155.488	-2.638
55	42	159.445	157.740	-1.705
50	43	153.495	153.597	0.102
50	44	156.341	155.533	-0.808
50	45	160.294	152.850	-7.444
50	46	153.540	155.500	1.960
50	47	153.818	152.565	-1.253
Max		160.409	160.026	8.417
Average		155.787	155.134	-0.653
Min		150.521	150.571	-8.967
Std Dev		2.965	2.484	3.974



12.15_T_FAULT_DELAY_100kHz	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	166 166
Min Limit	140 140

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	155.519	153.472	150.571	152.256	153.193	152.565	151.640
Average	155.519	154.506	154.198	156.608	154.692	154.009	155.493
Max	155.519	156.663	158.106	159.684	156.659	155.533	160.026
UL	166.000	166.000	166.000	166.000	166.000	166.000	166.000

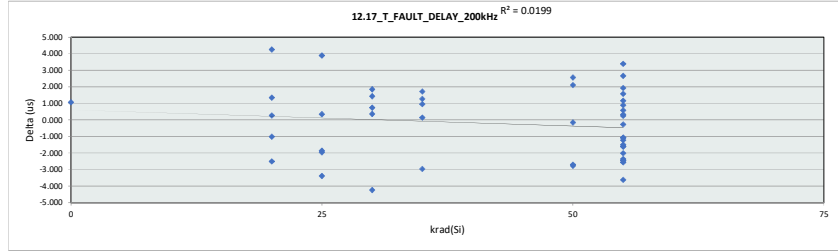


**HDR TID Report
TPS7H5007-SEP**

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

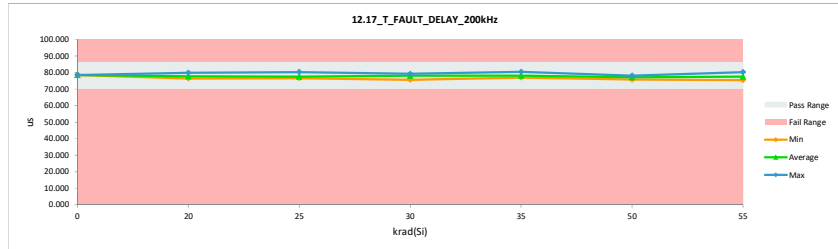
12.17_T_FAULT_DELAY_200kHz	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	86 86
Min Limit	70 70

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	77.484	78.546	1.062
25	1	76.413	80.300	3.887
25	2	76.684	77.029	0.345
25	3	79.032	77.167	-1.865
25	4	78.672	76.717	-1.955
25	5	80.037	76.650	-3.387
20	6	75.604	79.862	4.258
20	7	76.215	76.486	0.271
20	8	78.157	77.142	-1.015
20	9	76.940	75.379	-1.561
20	10	78.911	76.399	-2.512
35	11	79.458	80.409	0.951
35	12	78.075	78.218	0.143
35	13	79.964	77.005	-2.959
35	14	76.442	77.708	1.266
35	15	75.583	77.299	1.716
30	16	75.731	77.161	1.430
30	17	78.700	79.058	0.358
30	18	77.220	79.067	1.847
30	19	78.457	79.198	0.741
30	20	79.883	75.642	-4.241
55	21	78.389	79.552	1.163
55	22	75.706	76.591	0.885
55	23	79.929	77.566	-2.363
55	24	77.987	79.560	1.573
55	25	79.636	77.173	-2.463
55	26	78.709	77.637	-1.072
55	27	77.505	77.228	-0.277
55	28	79.711	80.286	0.575
55	29	77.135	75.533	-1.602
55	30	77.279	76.200	-1.079
55	31	76.415	79.075	2.660
55	32	79.439	78.215	-1.224
55	33	77.716	79.643	1.927
55	34	77.302	77.628	0.326
55	35	77.915	75.471	-2.444
55	36	78.301	76.287	-2.014
55	37	79.172	75.555	-3.617
55	38	76.646	76.893	0.247
55	39	77.367	75.867	-1.500
55	40	78.424	76.810	-1.614
55	41	75.745	79.130	3.385
55	42	80.239	77.678	-2.561
50	43	75.955	75.801	-0.154
50	44	80.083	77.381	-2.702
50	45	75.630	77.731	2.101
50	46	75.603	78.162	2.559
50	47	79.595	76.816	-2.779
Max		80.239	80.409	4.258
Average		77.858	77.642	-0.216
Min		75.583	75.471	-4.241
Std Dev		1.478	1.374	2.086



12.17_T_FAULT_DELAY_200kHz	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	86 86
Min Limit	70 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	78.546	76.399	76.650	75.642	77.005	75.801	75.471
Average	78.546	77.634	77.573	78.025	78.128	77.178	77.526
Max	78.546	79.862	80.300	79.198	80.409	78.162	80.286
UL	86.000	86.000	86.000	86.000	86.000	86.000	86.000

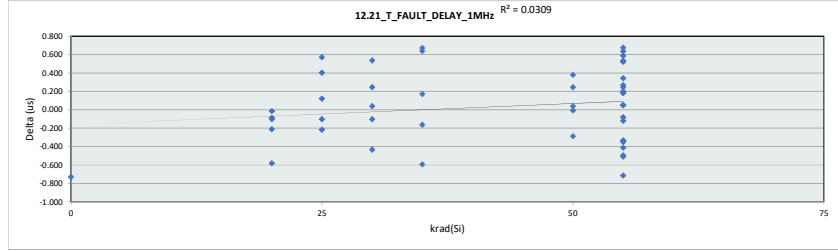


**HDR TID Report
TPS7H5007-SEP**

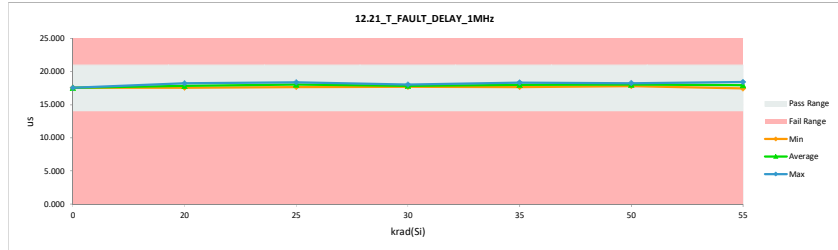
krad(Si)	Description
20	20 krad Unbiased
25	20 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

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 #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	18.295	17.563	-0.732
25	1	17.739	18.141	0.402
25	2	18.249	18.369	0.120
25	3	17.538	18.108	0.570
25	4	17.901	17.683	-0.218
25	5	18.118	18.015	-0.103
20	6	17.822	17.609	-0.213
20	7	17.923	17.907	-0.016
20	8	18.105	18.002	-0.103
20	9	18.326	18.236	-0.089
20	10	18.156	17.573	-0.583
35	11	17.517	17.686	0.169
35	12	17.676	18.347	0.671
35	13	17.976	17.811	-0.165
35	14	18.460	17.865	-0.595
35	15	17.534	18.171	0.637
30	16	17.834	17.731	-0.103
30	17	17.797	17.835	0.038
30	18	18.130	17.696	-0.434
30	19	17.688	17.932	0.244
30	20	17.508	18.043	0.535
55	21	17.796	18.138	0.342
55	22	18.438	18.103	-0.335
55	23	17.597	17.515	-0.082
55	24	18.362	17.646	-0.716
55	25	17.750	17.797	0.047
55	26	17.489	17.732	0.243
55	27	17.470	17.522	0.052
55	28	17.588	18.223	0.635
55	29	17.662	18.336	0.674
55	30	17.580	18.113	0.533
55	31	17.919	17.569	-0.350
55	32	18.242	18.441	0.199
55	33	18.241	18.427	0.186
55	34	17.973	17.462	-0.511
55	35	18.266	18.145	-0.121
55	36	17.877	18.398	0.521
55	37	18.360	17.946	-0.414
55	38	18.179	17.682	-0.497
55	39	17.755	18.023	0.268
55	40	17.612	18.198	0.586
55	41	17.806	17.986	0.180
55	42	17.973	17.635	-0.338
50	43	17.731	17.975	0.244
50	44	18.287	18.278	-0.009
50	45	17.772	18.150	0.378
50	46	18.337	18.048	-0.289
50	47	17.781	17.819	0.038
Max		18.460	18.441	0.019
Average		17.919	17.951	0.031
Min		17.470	17.462	-0.008
Std Dev		0.295	0.277	0.392



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	17.563	17.573	17.683	17.696	17.686	17.819	17.462
Average	17.563	17.865	18.063	17.847	17.976	18.054	17.956
Max	17.563	18.236	18.369	18.043	18.347	18.278	18.441
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000

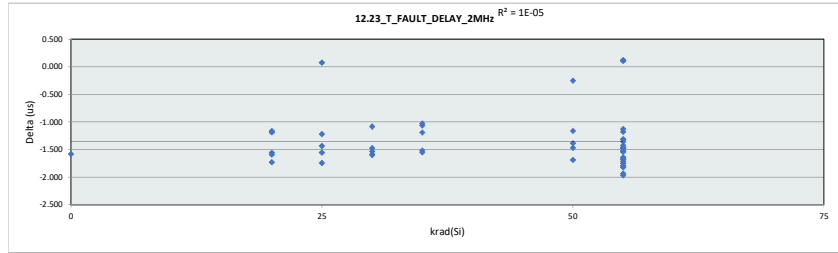


**HDR TID Report
TPS7H5007-SEP**

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

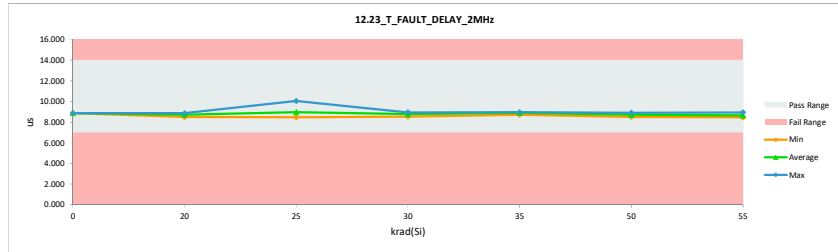
12.23_T_FAULT_DELAY_2MHz	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	14 14
Min Limit	7 7

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	10.455	8.872	-1.583
25	1	10.351	8.914	-1.437
25	2	10.030	8.807	-1.223
25	3	10.415	8.668	-1.747
25	4	9.973	10.046	0.073
25	5	10.024	8.468	-1.556
20	6	10.300	8.740	-1.560
20	7	10.029	8.861	-1.168
20	8	10.413	8.680	-1.733
20	9	10.093	8.500	-1.593
20	10	10.015	8.823	-1.192
35	11	10.462	8.941	-1.521
35	12	10.280	8.728	-1.552
35	13	9.988	8.922	-1.066
35	14	10.123	8.929	-1.194
35	15	9.995	8.964	-1.031
30	16	10.411	8.933	-1.478
30	17	10.343	8.751	-1.592
30	18	10.040	8.954	-1.086
30	19	10.128	8.529	-1.599
30	20	10.264	8.728	-1.536
55	21	10.230	8.476	-1.754
55	22	10.386	8.561	-1.825
55	23	10.138	8.462	-1.676
55	24	8.832	8.952	0.120
55	25	10.022	8.707	-1.315
55	26	10.148	8.671	-1.477
55	27	10.307	8.631	-1.676
55	28	10.044	8.565	-1.479
55	29	9.985	8.804	-1.181
55	30	10.086	8.952	-1.134
55	31	10.183	8.654	-1.529
55	32	10.188	8.831	-1.357
55	33	10.230	8.910	-1.320
55	34	10.163	8.518	-1.645
55	35	10.344	8.625	-1.719
55	36	10.101	8.554	-1.547
55	37	10.084	8.619	-1.465
55	38	8.766	8.868	0.102
55	39	10.397	8.457	-1.940
55	40	10.369	8.568	-1.801
55	41	10.312	8.884	-1.428
55	42	10.466	8.494	-1.972
50	43	8.761	8.507	-0.254
50	44	10.083	8.918	-1.165
50	45	10.265	8.875	-1.390
50	46	10.464	8.774	-1.690
50	47	10.018	8.547	-1.471
Max		10.466	10.046	0.120
Average		10.115	8.753	-1.362
Min		8.761	8.457	-1.972
Std Dev		0.380	0.254	0.478



12.23_T_FAULT_DELAY_2MHz	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	14 14
Min Limit	7 7

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	8.872	8.500	8.468	8.529	8.728	8.507	8.457
Average	8.872	8.721	8.981	8.779	8.897	8.724	8.671
Max	8.872	8.861	10.046	8.954	8.964	8.918	8.952
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000

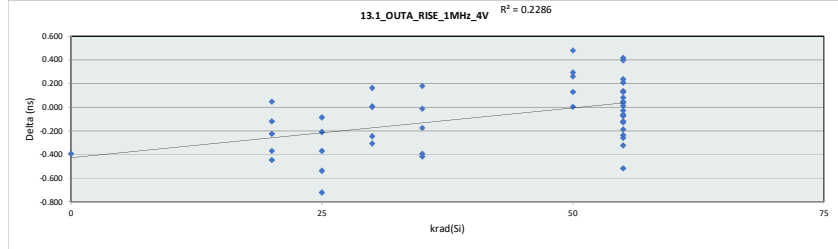


**HDR TID Report
TPS7H5007-SEP**

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

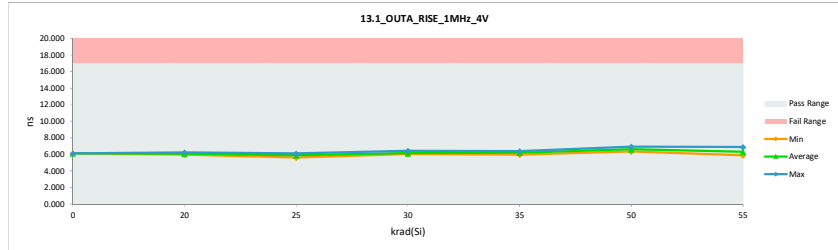
13.1_OUTA_RISE_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	6.515	6.124		-0.391
25	1	6.400	5.866		-0.534
25	2	6.194	6.110		-0.084
25	3	6.244	5.876		-0.368
25	4	6.154	5.947		-0.207
25	5	6.355	5.636		-0.719
20	6	6.406	5.961		-0.445
20	7	6.546	6.178		-0.368
20	8	6.202	6.251		0.049
20	9	6.227	6.004		-0.223
20	10	6.174	6.057		-0.117
35	11	6.354	6.343		-0.011
35	12	6.426	6.253		-0.173
35	13	6.209	6.390		0.181
35	14	6.364	5.973		-0.391
35	15	6.547	6.132		-0.415
30	16	6.105	6.111		0.006
30	17	6.049	6.057		0.008
30	18	6.347	6.042		-0.305
30	19	6.377	6.133		-0.244
30	20	6.269	6.435		0.166
55	21	6.250	6.381		0.131
55	22	6.295	6.379		0.084
55	23	6.200	6.244		0.044
55	24	6.273	6.016		-0.257
55	25	6.340	6.278		-0.062
55	26	6.213	6.095		-0.118
55	27	6.372	6.245		-0.127
55	28	6.215	6.353		0.138
55	29	6.272	6.086		-0.186
55	30	6.231	6.650		0.419
55	31	6.260	6.307		0.047
55	32	6.343	6.280		-0.063
55	33	6.212	6.255		0.043
55	34	6.300	6.066		-0.234
55	35	6.232	6.205		-0.027
55	36	6.217	6.144		-0.073
55	37	6.301	5.980		-0.321
55	38	6.402	5.887		-0.515
55	39	6.445	6.655		0.210
55	40	6.573	6.813		0.240
55	41	6.481	6.880		0.399
55	42	6.569	6.582		0.013
50	43	6.457	6.939		0.482
50	44	6.432	6.728		0.296
50	45	6.400	6.531		0.131
50	46	6.396	6.658		0.262
50	47	6.344	6.350		0.006
Max		6.573	6.939		0.482
Average		6.323	6.247		-0.075
Min		6.049	5.636		-0.719
Std Dev		0.123	0.283		0.265



13.1_OUTA_RISE_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
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	6.124	5.961	5.636	6.042	5.973	6.350	5.887
Average	6.124	6.090	5.887	6.156	6.218	6.641	6.308
Max	6.124	6.251	6.110	6.435	6.390	6.939	6.880
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

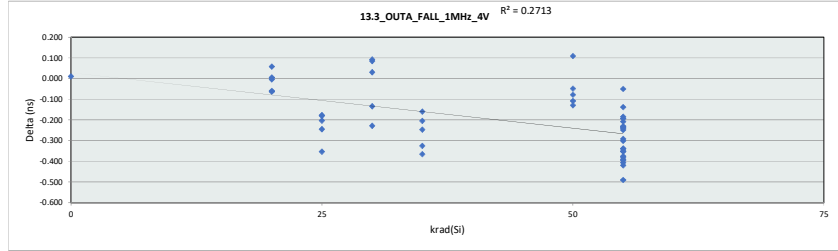


**HDR TID Report
TPS7H5007-SEP**

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

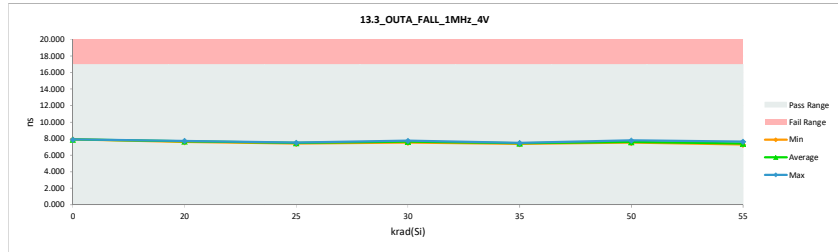
13.3_OUTA_FALL_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.888	7.900	0.012
25	1	7.703	7.501	-0.202
25	2	7.716	7.473	-0.243
25	3	7.711	7.535	-0.176
25	4	7.678	7.500	-0.178
25	5	7.758	7.406	-0.352
20	6	7.679	7.738	0.059
20	7	7.660	7.657	-0.003
20	8	7.695	7.701	0.006
20	9	7.675	7.613	-0.062
20	10	7.718	7.660	-0.058
35	11	7.778	7.454	-0.324
35	12	7.685	7.482	-0.203
35	13	7.655	7.497	-0.158
35	14	7.748	7.384	-0.364
35	15	7.733	7.487	-0.246
30	16	7.788	7.561	-0.227
30	17	7.709	7.741	0.032
30	18	7.629	7.722	0.093
30	19	7.685	7.552	-0.133
30	20	7.671	7.757	0.086
55	21	7.736	7.399	-0.337
55	22	7.696	7.449	-0.247
55	23	7.608	7.374	-0.234
55	24	7.683	7.294	-0.389
55	25	7.644	7.353	-0.291
55	26	7.667	7.317	-0.350
55	27	7.682	7.382	-0.300
55	28	7.730	7.392	-0.338
55	29	7.791	7.386	-0.405
55	30	7.605	7.556	-0.049
55	31	7.631	7.424	-0.207
55	32	7.724	7.372	-0.352
55	33	7.631	7.448	-0.183
55	34	7.694	7.320	-0.374
55	35	7.717	7.299	-0.418
55	36	7.617	7.480	-0.137
55	37	7.633	7.394	-0.239
55	38	7.673	7.279	-0.394
55	39	7.944	7.455	-0.489
55	40	7.857	7.665	-0.192
55	41	7.968	7.590	-0.378
55	42	7.874	7.645	-0.229
50	43	7.683	7.793	0.110
50	44	7.658	7.581	-0.077
50	45	7.651	7.544	-0.107
50	46	7.669	7.622	-0.047
50	47	7.640	7.512	-0.128
Max		7.968	7.900	0.110
Average		7.710	7.513	-0.196
Min		7.605	7.279	-0.489
Std Dev		0.082	0.147	0.155



13.3_OUTA_FALL_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	7.900	7.613	7.406	7.552	7.384	7.512	7.279
Average	7.900	7.674	7.483	7.667	7.461	7.610	7.422
Max	7.900	7.738	7.535	7.757	7.497	7.793	7.665
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

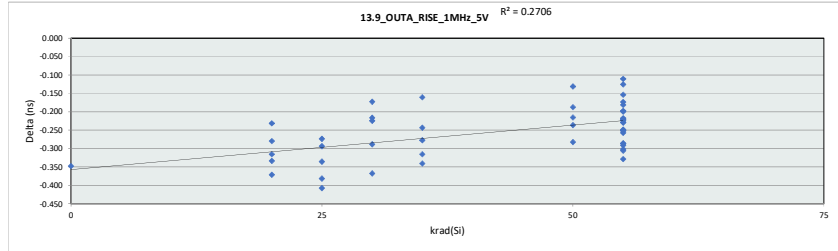


**HDR TID Report
TPS7H5007-SEP**

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

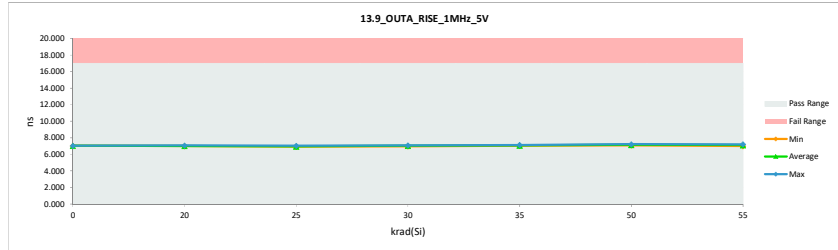
13.9_OUTA_RISE_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	Delta
0	48	7.398	7.051	-0.347
25	1	7.358	6.951	-0.407
25	2	7.335	7.042	-0.293
25	3	7.329	6.994	-0.335
25	4	7.270	6.997	-0.273
25	5	7.329	6.948	-0.381
20	6	7.379	7.046	-0.333
20	7	7.390	7.019	-0.371
20	8	7.314	7.083	-0.231
20	9	7.319	7.004	-0.315
20	10	7.306	7.027	-0.279
35	11	7.381	7.066	-0.315
35	12	7.361	7.118	-0.243
35	13	7.309	7.149	-0.160
35	14	7.338	7.061	-0.277
35	15	7.394	7.054	-0.340
30	16	7.250	7.034	-0.216
30	17	7.270	7.098	-0.172
30	18	7.341	6.974	-0.367
30	19	7.348	7.060	-0.288
30	20	7.325	7.101	-0.224
55	21	7.299	7.102	-0.197
55	22	7.357	7.071	-0.286
55	23	7.329	7.156	-0.173
55	24	7.334	7.049	-0.285
55	25	7.350	7.099	-0.251
55	26	7.298	7.081	-0.217
55	27	7.327	7.107	-0.220
55	28	7.298	7.070	-0.228
55	29	7.321	7.090	-0.291
55	30	7.317	7.207	-0.110
55	31	7.328	7.078	-0.250
55	32	7.378	7.073	-0.305
55	33	7.324	7.102	-0.222
55	34	7.333	7.005	-0.328
55	35	7.320	7.195	-0.125
55	36	7.311	7.063	-0.248
55	37	7.318	7.089	-0.229
55	38	7.362	7.061	-0.301
55	39	7.386	7.205	-0.181
55	40	7.404	7.205	-0.199
55	41	7.381	7.228	-0.153
55	42	7.391	7.134	-0.257
50	43	7.358	7.122	-0.236
50	44	7.360	7.229	-0.131
50	45	7.345	7.158	-0.187
50	46	7.359	7.144	-0.215
50	47	7.375	7.093	-0.282
Max		7.404	7.229	-0.110
Average		7.340	7.084	-0.256
Min		7.250	6.948	-0.407
Std Dev		0.035	0.069	0.070



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	7.051	7.004	6.948	6.974	7.054	7.093	7.005
Average	7.051	7.036	6.986	7.053	7.090	7.149	7.110
Max	7.051	7.083	7.042	7.101	7.149	7.229	7.228
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

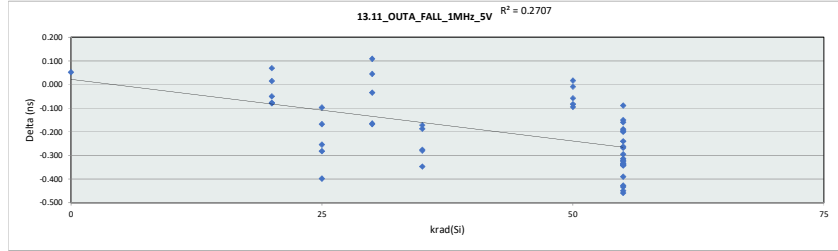


**HDR TID Report
TPS7H5007-SEP**

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

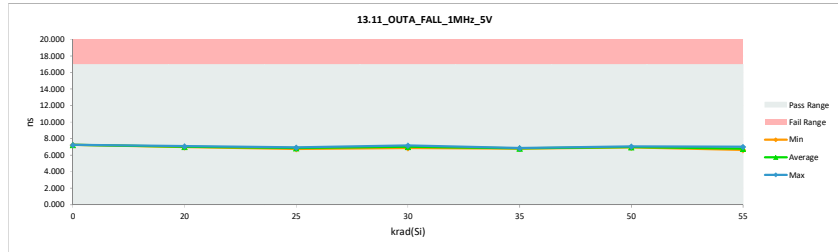
13.11_OUTA_FALL_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post_HD	Delta
0	48	7.203	7.256	0.053
25	1	7.107	6.854	-0.253
25	2	7.110	6.829	-0.281
25	3	7.080	6.913	-0.167
25	4	7.032	6.936	-0.096
25	5	7.154	6.757	-0.397
20	6	7.023	7.093	0.070
20	7	7.057	6.981	-0.076
20	8	7.084	7.100	0.016
20	9	7.042	6.993	-0.049
20	10	7.073	6.995	-0.078
35	11	7.112	6.837	-0.275
35	12	7.064	6.878	-0.186
35	13	7.041	6.870	-0.171
35	14	7.114	6.835	-0.279
35	15	7.138	6.792	-0.346
30	16	7.145	6.979	-0.166
30	17	7.085	7.195	0.110
30	18	7.007	7.053	0.046
30	19	7.042	6.878	-0.164
30	20	7.059	7.026	-0.033
55	21	7.109	6.767	-0.342
55	22	7.075	6.740	-0.335
55	23	6.998	6.675	-0.323
55	24	7.061	6.635	-0.426
55	25	7.016	6.821	-0.195
55	26	7.051	6.757	-0.294
55	27	7.057	6.818	-0.239
55	28	7.122	6.690	-0.432
55	29	7.150	6.761	-0.389
55	30	6.986	6.898	-0.088
55	31	7.011	6.744	-0.267
55	32	7.114	6.666	-0.448
55	33	7.025	6.866	-0.159
55	34	7.075	6.736	-0.339
55	35	7.083	6.822	-0.261
55	36	7.011	6.862	-0.149
55	37	7.031	6.719	-0.312
55	38	7.038	6.706	-0.332
55	39	7.241	6.783	-0.458
55	40	7.220	7.021	-0.199
55	41	7.231	6.912	-0.319
55	42	7.177	6.989	-0.188
50	43	7.052	7.070	0.018
50	44	7.050	6.956	-0.094
50	45	7.024	7.016	-0.008
50	46	7.048	6.991	-0.057
50	47	7.025	6.943	-0.082
Max		7.241	7.256	0.110
Average		7.080	6.884	-0.197
Min		6.986	6.635	-0.458
Std Dev		0.062	0.141	0.151



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	7.256	6.981	6.757	6.878	6.792	6.943	6.635
Average	7.256	7.032	6.858	7.026	6.842	6.995	6.790
Max	7.256	7.100	6.936	7.195	6.878	7.070	7.021
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

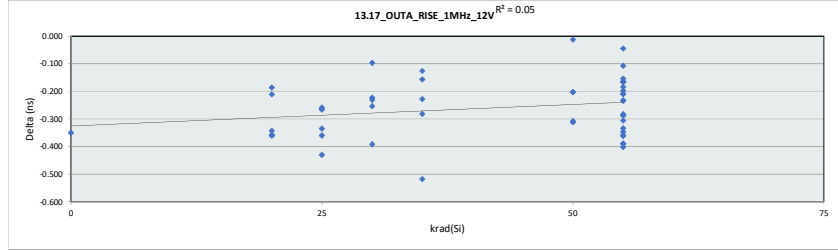


**HDR TID Report
TPS7H5007-SEP**

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

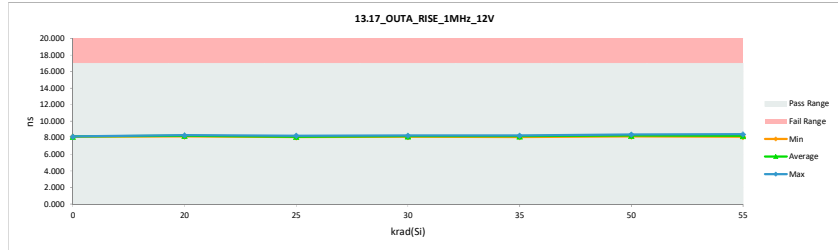
13.17_OUTA_RISE_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.504	8.155	-0.349
25	1	8.453	8.094	-0.359
25	2	8.581	8.152	-0.429
25	3	8.519	8.261	-0.258
25	4	8.424	8.159	-0.265
25	5	8.469	8.135	-0.334
20	6	8.547	8.187	-0.360
20	7	8.641	8.299	-0.342
20	8	8.520	8.310	-0.210
20	9	8.578	8.222	-0.356
20	10	8.473	8.288	-0.185
35	11	8.536	8.255	-0.281
35	12	8.396	8.240	-0.156
35	13	8.410	8.285	-0.125
35	14	8.380	8.153	-0.227
35	15	8.618	8.101	-0.517
30	16	8.384	8.288	-0.096
30	17	8.378	8.156	-0.222
30	18	8.527	8.136	-0.391
30	19	8.509	8.279	-0.230
30	20	8.478	8.225	-0.253
55	21	8.458	8.225	-0.233
55	22	8.494	8.285	-0.209
55	23	8.414	8.261	-0.153
55	24	8.475	8.170	-0.305
55	25	8.483	8.251	-0.232
55	26	8.349	8.166	-0.183
55	27	8.514	8.125	-0.389
55	28	8.596	8.250	-0.346
55	29	8.462	8.356	-0.106
55	30	8.469	8.303	-0.166
55	31	8.430	8.221	-0.209
55	32	8.485	8.288	-0.197
55	33	8.544	8.156	-0.388
55	34	8.413	8.249	-0.164
55	35	8.484	8.123	-0.361
55	36	8.529	8.171	-0.358
55	37	8.443	8.279	-0.164
55	38	8.449	8.162	-0.287
55	39	8.629	8.228	-0.401
55	40	8.471	8.427	-0.044
55	41	8.589	8.256	-0.333
55	42	8.594	8.312	-0.282
50	43	8.428	8.417	-0.011
50	44	8.494	8.187	-0.307
50	45	8.484	8.282	-0.202
50	46	8.515	8.313	-0.202
50	47	8.502	8.191	-0.311
Max		8.641	8.427	-0.011
Average		8.490	8.230	-0.260
Min		8.349	8.094	-0.517
Std Dev		0.069	0.077	0.105



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	8.155	8.187	8.094	8.136	8.101	8.187	8.123
Average	8.155	8.261	8.160	8.217	8.207	8.278	8.239
Max	8.155	8.310	8.261	8.288	8.285	8.417	8.427
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

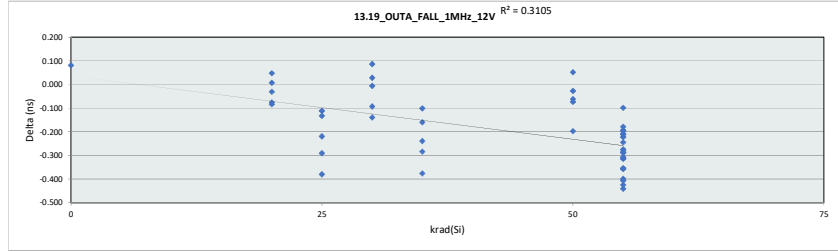


**HDR TID Report
TPS7H5007-SEP**

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

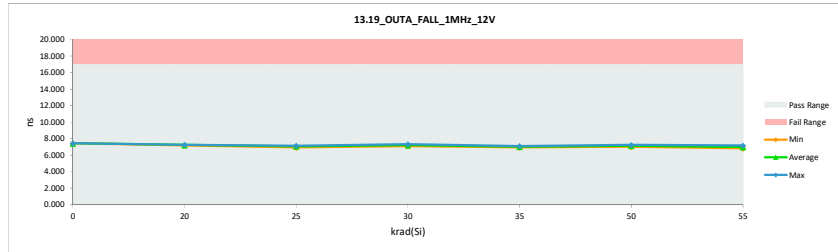
13.19_OUTA_FALL_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.354	7.436	0.082
25	1	7.267	7.048	-0.219
25	2	7.341	7.051	-0.290
25	3	7.285	7.153	-0.132
25	4	7.216	7.105	-0.111
25	5	7.313	6.934	-0.379
20	6	7.231	7.279	0.048
20	7	7.274	7.244	-0.030
20	8	7.303	7.228	-0.075
20	9	7.282	7.159	-0.083
20	10	7.157	7.265	0.008
35	11	7.314	7.076	-0.238
35	12	7.209	7.109	-0.100
35	13	7.218	7.059	-0.159
35	14	7.247	6.964	-0.283
35	15	7.329	6.954	-0.375
30	16	7.307	7.215	-0.092
30	17	7.258	7.345	0.087
30	18	7.206	7.235	0.029
30	19	7.243	7.104	-0.139
30	20	7.247	7.242	-0.005
55	21	7.293	6.936	-0.357
55	22	7.280	6.995	-0.285
55	23	7.156	6.960	-0.196
55	24	7.257	6.833	-0.424
55	25	7.211	6.989	-0.222
55	26	7.213	6.938	-0.275
55	27	7.237	7.029	-0.208
55	28	7.357	6.959	-0.398
55	29	7.306	7.019	-0.287
55	30	7.177	7.079	-0.098
55	31	7.156	6.945	-0.211
55	32	7.299	6.893	-0.406
55	33	7.254	6.966	-0.288
55	34	7.246	6.940	-0.306
55	35	7.273	6.959	-0.314
55	36	7.221	7.029	-0.192
55	37	7.206	6.932	-0.274
55	38	7.208	6.855	-0.353
55	39	7.445	7.005	-0.440
55	40	7.360	7.182	-0.178
55	41	7.404	7.093	-0.311
55	42	7.351	7.107	-0.244
50	43	7.196	7.249	0.053
50	44	7.219	7.022	-0.197
50	45	7.201	7.128	-0.073
50	46	7.207	7.180	-0.027
50	47	7.199	7.138	-0.061
Max		7.445	7.436	0.087
Average		7.263	7.075	-0.188
Min		7.156	6.833	-0.440
Std Dev		0.063	0.135	0.144



13.19_OUTA_FALL_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	7.436	7.199	6.934	7.104	6.954	7.022	6.833
Average	7.436	7.243	7.058	7.228	7.032	7.143	6.984
Max	7.436	7.279	7.153	7.345	7.109	7.249	7.182
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

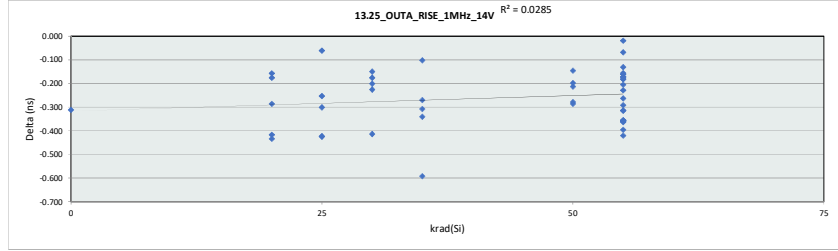


**HDR TID Report
TPS7H5007-SEP**

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

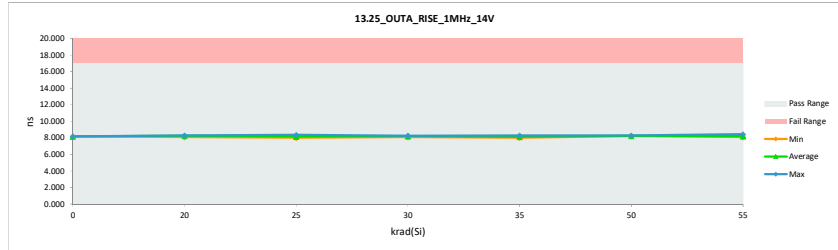
13.25_OUTA_RISE_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	8.481	8.170	-0.311
25	1	8.419	8.119	-0.300
25	2	8.550	8.126	-0.424
25	3	8.502	8.250	-0.252
25	4	8.403	8.343	-0.060
25	5	8.448	8.026	-0.422
20	6	8.522	8.089	-0.433
20	7	8.602	8.186	-0.416
20	8	8.484	8.309	-0.175
20	9	8.549	8.264	-0.285
20	10	8.458	8.302	-0.156
35	11	8.519	8.212	-0.307
35	12	8.393	8.292	-0.101
35	13	8.409	8.069	-0.340
35	14	8.356	8.087	-0.269
35	15	8.593	8.002	-0.591
30	16	8.374	8.225	-0.149
30	17	8.358	8.158	-0.200
30	18	8.509	8.096	-0.413
30	19	8.482	8.257	-0.225
30	20	8.440	8.265	-0.175
55	21	8.393	8.263	-0.130
55	22	8.480	8.252	-0.228
55	23	8.399	8.218	-0.181
55	24	8.502	8.107	-0.395
55	25	8.480	8.189	-0.291
55	26	8.338	8.166	-0.172
55	27	8.482	8.127	-0.355
55	28	8.575	8.220	-0.355
55	29	8.457	8.390	-0.067
55	30	8.421	8.261	-0.160
55	31	8.416	8.212	-0.204
55	32	8.445	8.265	-0.180
55	33	8.514	8.155	-0.359
55	34	8.379	8.224	-0.155
55	35	8.439	8.084	-0.355
55	36	8.501	8.187	-0.314
55	37	8.438	8.267	-0.171
55	38	8.449	8.087	-0.362
55	39	8.593	8.174	-0.419
55	40	8.450	8.432	-0.018
55	41	8.533	8.271	-0.262
55	42	8.561	8.248	-0.313
50	43	8.419	8.274	-0.145
50	44	8.483	8.198	-0.285
50	45	8.461	8.249	-0.212
50	46	8.478	8.281	-0.197
50	47	8.486	8.209	-0.277
50	48	8.602	8.432	-0.018
50	49	8.467	8.205	-0.262
50	50	8.338	8.002	-0.591
50	51	0.065	0.090	0.117



13.25_OUTA_RISE_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
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	8.170	8.089	8.026	8.096	8.002	8.198	8.084
Average	8.170	8.230	8.173	8.200	8.132	8.242	8.218
Max	8.170	8.309	8.343	8.265	8.292	8.281	8.432
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

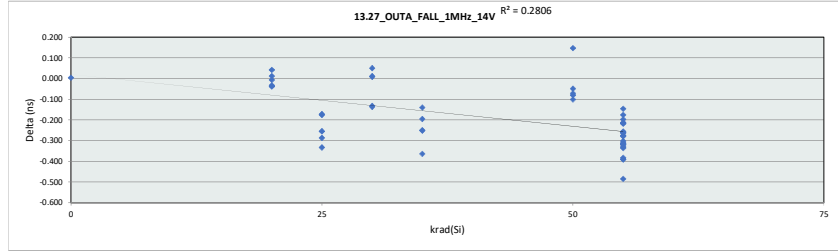


**HDR TID Report
TPS7H5007-SEP**

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

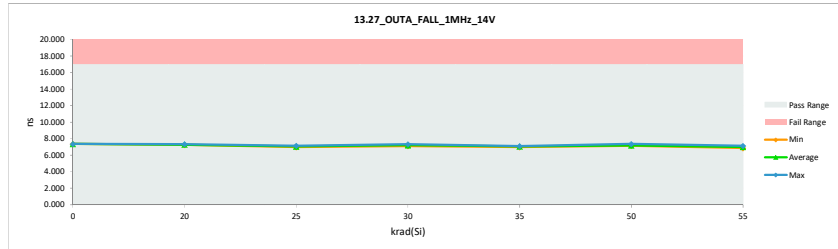
13.27_OUTA_FALL_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	17 17
Min Limit	0 0

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	7.354	7.359	0.005
25	1	7.295	7.124	-0.171
25	2	7.357	7.071	-0.286
25	3	7.323	7.148	-0.175
25	4	7.239	6.985	-0.254
25	5	7.337	7.005	-0.332
20	6	7.255	7.249	-0.006
20	7	7.293	7.261	-0.032
20	8	7.309	7.271	-0.038
20	9	7.293	7.336	0.043
20	10	7.280	7.293	0.013
35	11	7.334	7.085	-0.249
35	12	7.248	7.054	-0.194
35	13	7.242	7.103	-0.139
35	14	7.270	7.019	-0.251
35	15	7.348	6.985	-0.363
30	16	7.341	7.205	-0.136
30	17	7.271	7.322	0.051
30	18	7.225	7.237	0.012
30	19	7.248	7.117	-0.131
30	20	7.262	7.272	0.010
55	21	7.309	6.998	-0.311
55	22	7.284	7.025	-0.259
55	23	7.169	6.973	-0.196
55	24	7.290	6.900	-0.390
55	25	7.231	6.957	-0.274
55	26	7.234	6.972	-0.262
55	27	7.260	6.871	-0.389
55	28	7.395	7.013	-0.382
55	29	7.328	7.027	-0.301
55	30	7.203	7.058	-0.145
55	31	7.191	6.979	-0.212
55	32	7.313	6.978	-0.335
55	33	7.269	7.054	-0.215
55	34	7.263	6.984	-0.279
55	35	7.293	6.963	-0.330
55	36	7.249	7.074	-0.175
55	37	7.224	7.007	-0.217
55	38	7.229	6.912	-0.317
55	39	7.446	6.962	-0.484
55	40	7.381	7.126	-0.255
55	41	7.385	7.066	-0.319
55	42	7.400	7.088	-0.312
50	43	7.216	7.364	0.148
50	44	7.233	7.154	-0.079
50	45	7.207	7.159	-0.048
50	46	7.233	7.162	-0.071
50	47	7.239	7.139	-0.100
Max		7.446	7.364	0.148
Average		7.283	7.093	-0.190
Min		7.169	6.871	-0.484
Std Dev		0.061	0.129	0.143



13.27_OUTA_FALL_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
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	7.359	7.249	6.985	7.117	6.985	7.139	6.871
Average	7.359	7.282	7.067	7.231	7.049	7.196	6.999
Max	7.359	7.336	7.148	7.322	7.103	7.364	7.126
UL	17.000	17.000	17.000	17.000	17.000	17.000	17.000

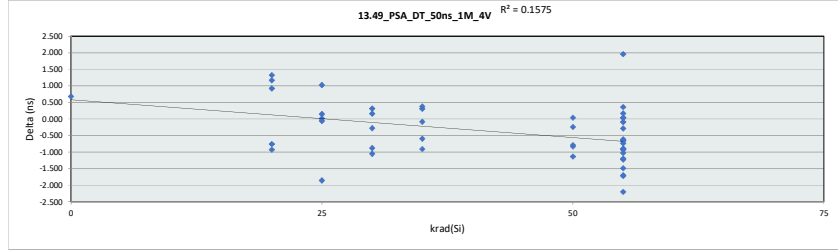


**HDR TID Report
TPS7H5007-SEP**

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

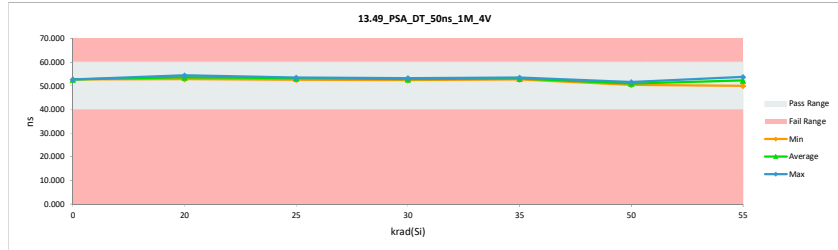
13.49_PSA_DT_50ns_1M_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	60 60
Min Limit	40 40

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	52.060	52.747		0.687
25	1	53.238	53.395		0.157
25	2	53.388	53.335		-0.053
25	3	53.440	53.461		0.021
25	4	52.411	53.444		1.033
25	5	54.419	52.568		-1.851
20	6	53.270	54.444		1.174
20	7	54.338	53.416		-0.922
20	8	52.888	54.221		1.333
20	9	53.591	52.840		-0.751
20	10	53.711	53.641		0.930
35	11	53.579	52.679		-0.900
35	12	53.550	53.474		-0.076
35	13	52.941	53.254		0.313
35	14	53.394	52.806		-0.588
35	15	52.724	53.105		0.381
30	16	53.422	52.381		-1.041
30	17	52.977	53.146		0.169
30	18	53.557	52.685		-0.872
30	19	52.957	53.278		0.321
30	20	53.160	52.890		-0.270
55	21	53.465	52.550		-0.915
55	22	52.822	52.869		0.047
55	23	53.853	52.143		-1.710
55	24	52.994	53.170		0.176
55	25	53.451	52.432		-1.019
55	26	53.426	52.783		-0.643
55	27	52.837	52.754		-0.083
55	28	52.576	52.298		-0.278
55	29	53.323	51.843		-1.480
55	30	53.204	52.567		-0.637
55	31	53.291	52.398		-0.893
55	32	53.859	52.642		-1.217
55	33	53.827	53.098		-0.729
55	34	53.801	52.909		-0.892
55	35	52.928	52.968		0.040
55	36	52.828	52.222		-0.606
55	37	54.139	51.946		-2.193
55	38	51.782	53.747		1.965
55	39	50.809	51.176		0.367
55	40	51.759	50.062		-1.697
55	41	51.943	51.041		-0.902
55	42	52.417	51.230		-1.187
50	43	51.520	51.565		0.045
50	44	51.071	50.835		-0.236
50	45	51.527	50.401		-1.126
50	46	52.308	51.483		-0.825
50	47	51.527	50.744		-0.783
Max		54.419	54.444		1.965
Average		52.944	52.564		-0.379
Min		50.809	50.062		-2.193
Std Dev		0.830	0.957		0.868



13.49_PSA_DT_50ns_1M_4V	
Test Site	
Tester	
Test Number	
Max Limit	60 ns
Min Limit	40 ns

krad(Si)	0	20	25	30	35	50	55
LL	40.000	40.000	40.000	40.000	40.000	40.000	40.000
Min	52.747	52.840	52.568	52.381	52.679	50.401	50.062
Average	52.747	53.712	53.241	52.876	53.064	51.006	52.311
Max	52.747	54.444	53.461	53.278	53.474	51.565	53.747
UL	60.000	60.000	60.000	60.000	60.000	60.000	60.000

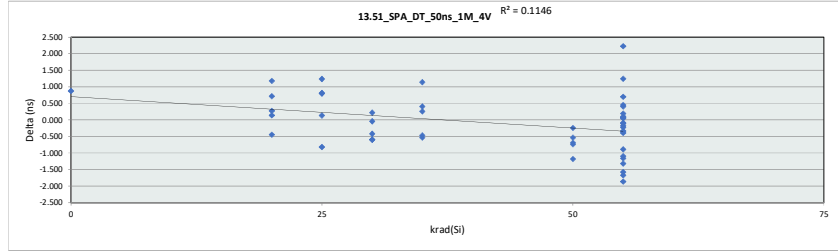


**HDR TID Report
TPS7H5007-SEP**

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

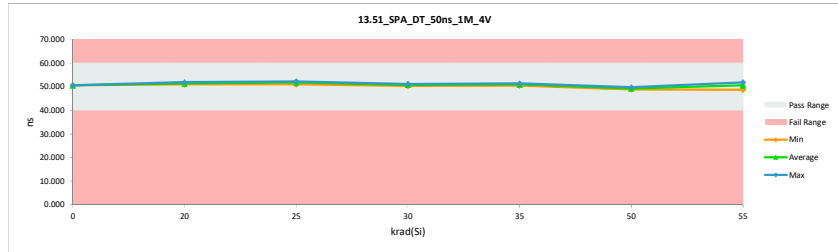
13.51_SPA_DT_50ns_1M_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	60 60
Min Limit	40 40

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	49.765	50.647	0.882
25	1	51.493	52.298	0.805
25	2	50.732	51.977	1.245
25	3	51.834	51.023	-0.811
25	4	51.352	52.172	0.820
25	5	51.636	51.780	0.144
20	6	50.779	51.966	1.187
20	7	51.418	50.981	-0.437
20	8	51.449	51.728	0.279
20	9	50.800	51.524	0.724
20	10	50.906	51.051	0.145
35	11	50.863	51.126	0.263
35	12	50.425	50.839	0.414
35	13	50.960	50.503	-0.457
35	14	51.526	51.000	-0.526
35	15	50.281	51.430	1.149
30	16	50.870	50.280	-0.590
30	17	51.311	50.724	-0.587
30	18	51.217	51.180	-0.037
30	19	50.972	51.200	0.228
30	20	51.243	50.828	-0.415
55	21	51.880	51.000	-0.880
55	22	51.106	51.564	0.458
55	23	51.873	50.784	-1.089
55	24	50.890	51.598	0.708
55	25	52.295	50.440	-1.855
55	26	50.672	51.923	1.251
55	27	50.643	50.313	-0.330
55	28	50.232	50.308	0.076
55	29	51.650	49.984	-1.666
55	30	50.795	51.211	0.416
55	31	51.753	50.598	-1.155
55	32	51.792	51.406	-0.386
55	33	51.724	51.506	-0.218
55	34	51.106	51.215	0.109
55	35	50.942	50.843	-0.099
55	36	50.438	50.492	0.054
55	37	51.741	50.174	-1.567
55	38	49.370	51.602	2.232
55	39	49.207	49.124	-0.083
55	40	50.086	48.774	-1.312
55	41	50.111	49.939	-0.172
55	42	49.563	49.761	0.198
50	43	49.549	49.021	-0.528
50	44	50.079	48.907	-1.172
50	45	50.023	49.789	-0.234
50	46	50.257	49.525	-0.732
50	47	50.024	49.341	-0.683
Max		52.295	52.298	2.232
Average		50.867	50.779	-0.088
Min		49.207	48.774	-1.855
Std Dev		0.746	0.887	0.843



13.51_SPA_DT_50ns_1M_4V	
Test Site	
Tester	
Test Number	
Max Limit	60 ns
Min Limit	40 ns

krad(Si)	0	20	25	30	35	50	55
LL	40.000	40.000	40.000	40.000	40.000	40.000	40.000
Min	50.647	50.981	51.023	50.280	50.503	48.907	48.774
Average	50.647	51.450	51.850	50.842	50.980	49.317	50.662
Max	50.647	51.966	52.298	51.200	51.430	49.789	51.923
UL	60.000	60.000	60.000	60.000	60.000	60.000	60.000

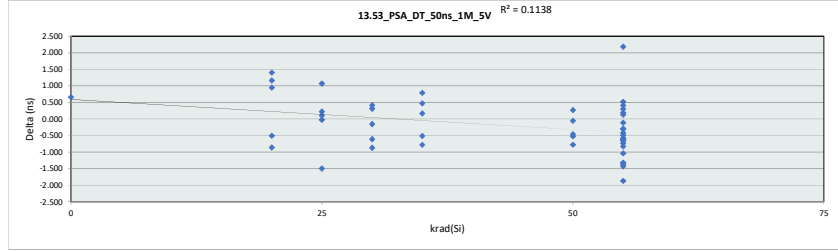


**HDR TID Report
TPS7H5007-SEP**

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

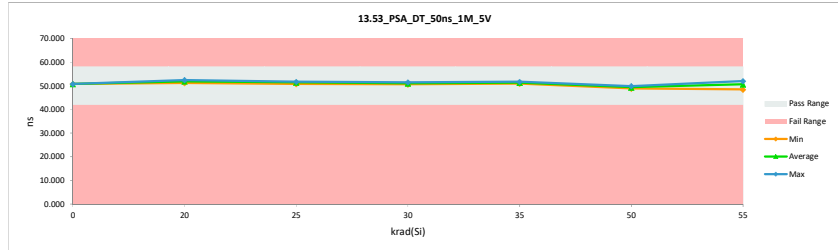
13.53_PSA_DT_50ns_1M_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	58 58
Min Limit	42 42

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	50.167	50.834	0.667
25	1	51.378	51.607	0.229
25	2	51.446	51.560	0.114
25	3	51.582	51.567	-0.015
25	4	50.666	51.744	1.078
25	5	52.354	50.865	-1.489
20	6	51.327	52.499	1.172
20	7	52.390	51.537	-0.853
20	8	51.054	52.465	1.411
20	9	51.689	51.190	-0.499
20	10	50.904	51.858	0.954
35	11	51.665	50.891	-0.774
35	12	51.594	51.769	0.175
35	13	51.069	51.550	0.481
35	14	51.587	51.083	-0.504
35	15	50.742	51.541	0.799
30	16	51.508	50.644	-0.864
30	17	51.118	51.442	0.324
30	18	51.618	51.016	-0.602
30	19	51.127	51.552	0.425
30	20	51.321	51.174	-0.147
55	21	51.529	50.876	-0.653
55	22	50.991	51.187	0.196
55	23	51.931	50.620	-1.311
55	24	51.138	51.445	0.307
55	25	51.578	50.847	-0.731
55	26	51.568	51.154	-0.414
55	27	50.823	51.237	0.414
55	28	50.627	50.522	-0.105
55	29	51.473	50.115	-1.358
55	30	51.282	50.984	-0.298
55	31	51.426	50.818	-0.608
55	32	51.901	50.872	-1.029
55	33	51.868	51.384	-0.484
55	34	51.838	51.268	-0.570
55	35	51.101	51.235	0.134
55	36	50.931	50.650	-0.281
55	37	52.187	50.327	-1.860
55	38	49.885	52.073	2.188
55	39	49.001	49.525	0.524
55	40	49.909	48.487	-1.422
55	41	50.094	49.464	-0.630
55	42	50.461	49.640	-0.821
50	43	49.649	49.928	0.279
50	44	49.268	49.222	-0.046
50	45	49.627	48.856	-0.771
50	46	50.349	49.896	-0.453
50	47	49.642	49.124	-0.518
Max		52.390	52.499	2.188
Average		51.050	50.878	-0.172
Min		49.001	48.487	-1.860
Std Dev		0.804	0.900	0.810



13.53_PSA_DT_50ns_1M_5V	
Test Site	
Tester	
Test Number	
Max Limit	58 ns
Min Limit	42 ns

krad(Si)	0	20	25	30	35	50	55
LL	42.000	42.000	42.000	42.000	42.000	42.000	42.000
Min	50.834	51.190	50.865	50.644	50.891	48.856	48.487
Average	50.834	51.910	51.469	51.166	51.367	49.405	50.073
Max	50.834	52.499	51.744	51.552	51.769	49.928	52.073
UL	58.000	58.000	58.000	58.000	58.000	58.000	58.000

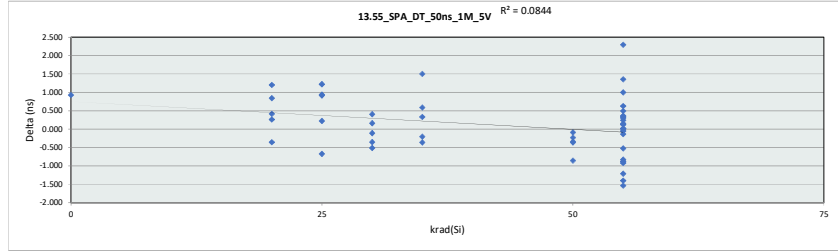


**HDR TID Report
TPS7H5007-SEP**

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

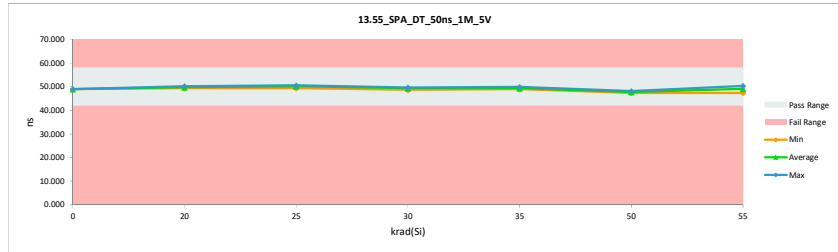
13.55_SPA_DT_50ns_1M_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	58 58
Min Limit	42 42

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	48.040	48.972	0.932
25	1	49.698	50.620	0.922
25	2	49.017	50.244	1.227
25	3	50.063	49.398	-0.665
25	4	49.592	50.536	0.944
25	5	49.822	50.049	0.227
20	6	49.051	50.260	1.209
20	7	49.694	49.345	-0.349
20	8	49.663	50.086	0.423
20	9	49.109	49.958	0.849
20	10	49.242	49.512	0.270
35	11	49.167	49.505	0.338
35	12	48.766	49.361	0.595
35	13	49.247	49.049	-0.198
35	14	49.809	49.453	-0.356
35	15	48.427	49.934	1.507
30	16	49.151	48.645	-0.506
30	17	49.560	49.214	-0.346
30	18	49.498	49.664	0.166
30	19	49.289	49.701	0.412
30	20	49.491	49.387	-0.104
55	21	50.002	49.486	-0.516
55	22	49.427	49.927	0.500
55	23	50.157	49.338	-0.819
55	24	49.149	50.156	1.007
55	25	50.461	48.932	-1.529
55	26	48.988	50.348	1.360
55	27	48.765	48.924	0.159
55	28	48.478	48.724	0.246
55	29	49.859	48.464	-1.395
55	30	49.064	49.699	0.635
55	31	50.017	49.103	-0.914
55	32	49.969	49.841	-0.128
55	33	49.934	49.890	-0.044
55	34	49.342	49.690	0.348
55	35	49.225	49.242	0.017
55	36	48.760	49.072	0.312
55	37	49.933	48.728	-1.205
55	38	47.664	49.963	2.299
55	39	47.540	47.670	0.130
55	40	48.305	47.432	-0.873
55	41	48.364	48.389	0.025
55	42	47.904	48.274	0.370
50	43	47.806	47.580	-0.226
50	44	48.249	47.400	-0.849
50	45	48.252	48.170	-0.082
50	46	48.426	48.069	-0.357
50	47	48.267	47.933	-0.334
Max	50.461	50.620	2.299	
Average	49.119	49.236	0.117	
Min	47.540	47.400	-1.529	
Std Dev	0.730	0.832	0.780	



13.55_SPA_DT_50ns_1M_5V	
Test Site	
Tester	
Test Number	
Max Limit	58 ns
Min Limit	42 ns

krad(Si)	0	20	25	30	35	50	55
LL	42.000	42.000	42.000	42.000	42.000	42.000	42.000
Min	48.972	49.345	49.398	48.645	49.049	47.400	47.432
Average	48.972	49.832	50.169	49.322	49.460	47.830	49.150
Max	48.972	50.260	50.620	49.701	49.934	48.170	50.348
UL	58.000	58.000	58.000	58.000	58.000	58.000	58.000

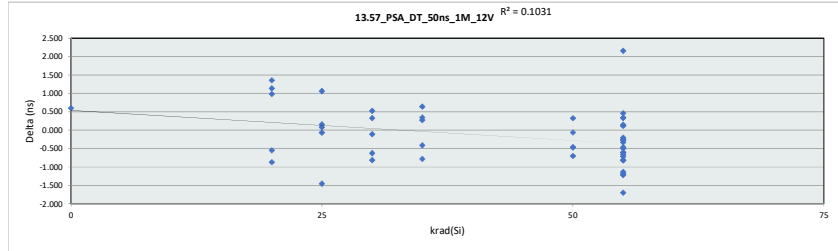


**HDR TID Report
TPS7H5007-SEP**

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

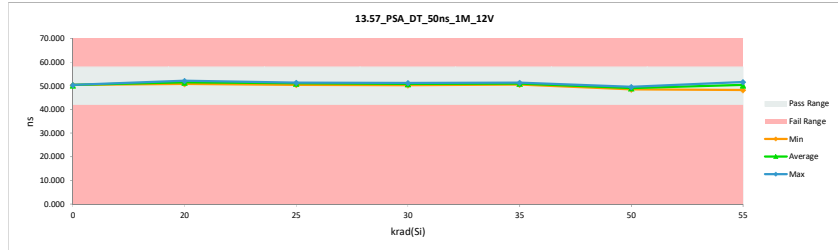
13.57_PSA_DT_50ns_1M_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	58 58
Min Limit	42 42

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	49.759	50.366	0.607
25	1	50.949	51.113	0.164
25	2	51.127	51.067	-0.060
25	3	51.228	51.314	0.086
25	4	50.284	51.356	1.072
25	5	51.939	50.493	-1.446
20	6	50.961	52.104	1.143
20	7	52.069	51.208	-0.861
20	8	50.715	50.077	-0.638
20	9	51.368	50.828	-0.540
20	10	50.552	51.540	0.988
35	11	51.302	50.527	-0.775
35	12	51.079	51.360	0.281
35	13	50.659	51.015	0.356
35	14	51.105	50.701	-0.404
35	15	50.407	51.055	0.648
30	16	51.097	50.288	-0.809
30	17	50.707	51.043	0.336
30	18	51.254	50.635	-0.619
30	19	50.714	51.249	0.535
30	20	50.919	50.817	-0.102
55	21	51.125	50.523	-0.602
55	22	50.609	50.767	0.158
55	23	51.469	50.288	-1.181
55	24	50.791	51.133	0.342
55	25	51.197	50.489	-0.708
55	26	51.093	50.834	-0.259
55	27	50.434	50.777	0.343
55	28	50.335	50.141	-0.194
55	29	51.080	49.953	-1.127
55	30	50.898	50.576	-0.322
55	31	51.017	50.422	-0.595
55	32	51.504	50.689	-0.815
55	33	51.526	51.070	-0.456
55	34	51.384	50.896	-0.488
55	35	50.716	50.839	0.123
55	36	50.569	50.326	-0.243
55	37	51.752	50.059	-1.693
55	38	49.477	51.642	2.165
55	39	48.695	49.163	0.468
55	40	49.482	48.270	-1.212
55	41	49.730	49.076	-0.654
55	42	50.089	49.288	-0.801
50	43	49.202	49.535	0.333
50	44	48.880	48.826	-0.054
50	45	49.235	48.542	-0.693
50	46	49.961	49.509	-0.452
50	47	49.233	48.773	-0.460
Max		52.069	52.104	2.165
Average		50.660	50.512	-0.148
Min		48.695	48.270	-1.693
Std Dev		0.799	0.879	0.764



13.57_PSA_DT_50ns_1M_12V	
Test Site	
Tester	
Test Number	
Max Limit	58 ns
Min Limit	42 ns

krad(Si)	0	20	25	30	35	50	55
LL	42.000	42.000	42.000	42.000	42.000	42.000	42.000
Min	50.366	50.828	50.493	50.288	50.527	48.542	48.270
Average	50.366	51.551	51.069	50.806	50.932	49.037	50.328
Max	50.366	52.104	51.356	51.249	51.360	49.535	51.642
UL	58.000	58.000	58.000	58.000	58.000	58.000	58.000

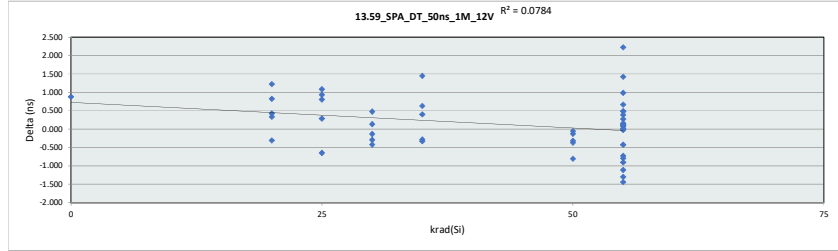


**HDR TID Report
TPS7H5007-SEP**

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

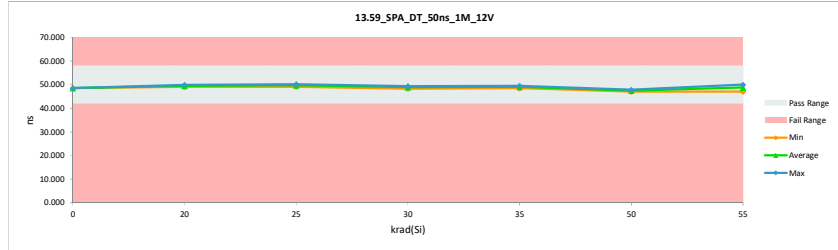
13.59_SPA_DT_50ns_1M_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	58 58
Min Limit	42 42

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	47.686	48.574	0.888
25	1	49.311	50.253	0.942
25	2	48.737	49.827	1.090
25	3	49.755	49.117	-0.638
25	4	49.236	50.050	0.814
25	5	49.458	49.751	0.293
20	6	48.719	49.950	1.231
20	7	49.411	49.111	-0.300
20	8	49.348	49.760	0.432
20	9	48.847	49.679	0.832
20	10	48.921	49.264	0.343
35	11	48.835	49.243	0.408
35	12	48.364	49.003	0.639
35	13	48.883	48.560	-0.323
35	14	49.355	49.083	-0.272
35	15	48.110	49.564	1.454
30	16	48.787	48.374	-0.413
30	17	49.184	48.896	-0.288
30	18	49.179	49.320	0.141
30	19	48.938	49.424	0.486
30	20	49.131	49.007	-0.124
55	21	49.626	49.210	-0.416
55	22	49.083	49.575	0.492
55	23	49.769	49.047	-0.722
55	24	48.801	49.792	0.991
55	25	50.101	48.666	-1.435
55	26	48.598	50.031	1.433
55	27	48.435	48.533	0.098
55	28	48.199	48.365	0.166
55	29	49.501	48.211	-1.290
55	30	48.711	49.384	0.673
55	31	49.649	48.754	-0.895
55	32	49.590	49.596	0.006
55	33	49.623	49.607	-0.016
55	34	48.948	49.441	0.493
55	35	48.851	48.980	0.129
55	36	48.445	48.725	0.280
55	37	49.541	48.435	-1.106
55	38	47.335	49.567	2.232
55	39	47.266	47.360	0.094
55	40	47.899	47.114	-0.785
55	41	48.031	48.060	0.029
55	42	47.568	47.960	0.392
50	43	47.410	47.290	-0.120
50	44	47.891	47.095	-0.796
50	45	47.903	47.854	-0.049
50	46	48.075	47.768	-0.307
50	47	47.906	47.546	-0.360
Max		50.101	50.253	2.232
Average		48.770	48.912	0.143
Min		47.266	47.095	-1.435
Std Dev		0.723	0.826	0.747



13.59_SPA_DT_50ns_1M_12V	
Test Site	
Tester	
Test Number	
Max Limit	58 ns
Min Limit	42 ns

krad(Si)	0	20	25	30	35	50	55
LL	42.000	42.000	42.000	42.000	42.000	42.000	42.000
Min	48.574	49.111	49.117	48.374	48.560	47.095	47.114
Average	48.574	49.557	49.800	49.004	49.091	47.511	48.837
Max	48.574	49.950	50.253	49.424	49.564	47.854	50.031
UL	58.000	58.000	58.000	58.000	58.000	58.000	58.000

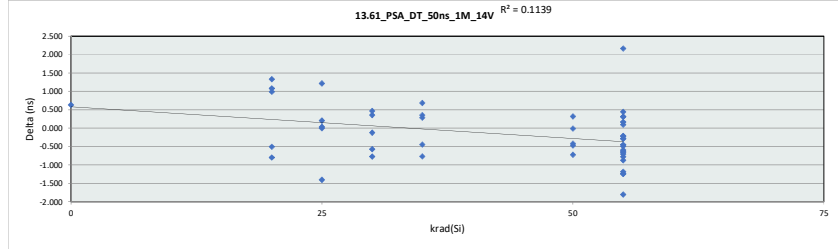


**HDR TID Report
TPS7H5007-SEP**

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

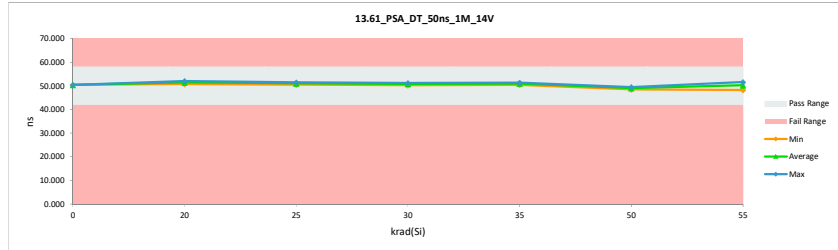
13.61_PSA_DT_50ns_1M_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	58 58
Min Limit	42 42

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	HD	Delta
0	48	49.761	50.400		0.639
25	1	50.940	51.152		0.212
25	2	51.128	51.135		0.007
25	3	51.219	51.264		0.045
25	4	50.288	51.512		1.224
25	5	51.924	50.528		-1.396
20	6	50.961	52.051		1.090
20	7	52.059	51.269		-0.790
20	8	50.720	52.062		1.342
20	9	51.868	50.871		-0.997
20	10	50.543	51.540		0.997
35	11	51.261	50.503		-0.758
35	12	51.094	51.385		0.291
35	13	50.666	51.028		0.362
35	14	51.106	50.668		-0.438
35	15	50.391	51.081		0.690
30	16	51.095	50.332		-0.763
30	17	50.684	51.049		0.365
30	18	51.233	50.672		-0.561
30	19	50.722	51.198		0.476
30	20	50.930	50.816		-0.114
55	21	51.136	50.518		-0.618
55	22	50.602	50.778		0.176
55	23	51.475	50.243		-1.232
55	24	50.779	51.097		0.318
55	25	51.203	50.505		-0.698
55	26	51.088	50.810		-0.278
55	27	50.422	50.745		0.323
55	28	50.335	50.131		-0.204
55	29	51.074	49.899		-1.175
55	30	50.873	50.665		-0.208
55	31	51.008	50.420		-0.588
55	32	51.500	50.633		-0.867
55	33	51.517	51.036		-0.481
55	34	51.372	50.929		-0.443
55	35	50.734	50.836		0.102
55	36	50.578	50.304		-0.274
55	37	51.769	49.972		-1.797
55	38	49.463	51.636		2.173
55	39	48.708	49.161		0.453
55	40	49.483	48.247		-1.236
55	41	49.726	49.071		-0.655
55	42	50.083	49.311		-0.772
50	43	49.191	49.518		0.327
50	44	48.877	48.872		-0.005
50	45	49.237	48.526		-0.711
50	46	49.944	49.484		-0.460
50	47	49.231	48.820		-0.411
	Max	52.059	52.062		2.173
	Average	50.656	50.514		-0.142
	Min	48.708	48.247		-1.797
	Std Dev	0.798	0.882		0.772



13.61_PSA_DT_50ns_1M_14V	
Test Site	
Tester	
Test Number	
Max Limit	58 ns
Min Limit	42 ns

krad(Si)	0	20	25	30	35	50	55
LL	42.000	42.000	42.000	42.000	42.000	42.000	42.000
Min	50.400	50.871	50.528	50.332	50.503	48.526	48.247
Average	50.400	51.559	51.118	50.813	50.933	49.044	50.316
Max	50.400	52.062	51.512	51.198	51.385	49.518	51.636
UL	58.000	58.000	58.000	58.000	58.000	58.000	58.000



**HDR TID Report
TPS7H5007-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	58 58
Min Limit	42 42

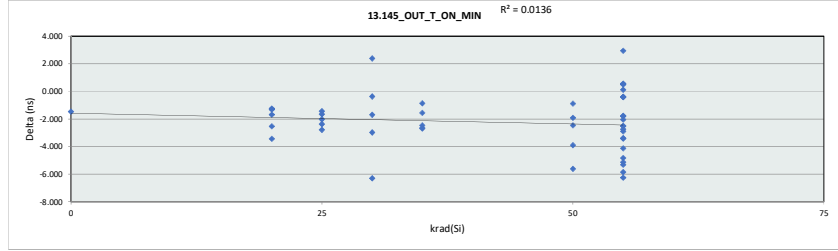
krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	47.688	48.608	0.920
25	1	49.309	50.279	0.970
25	2	48.740	49.864	1.124
25	3	49.741	49.120	-0.621
25	4	49.220	50.202	0.982
25	5	49.454	49.745	0.291
20	6	48.717	49.924	1.207
20	7	49.401	49.105	-0.296
20	8	49.337	48.825	-0.488
20	9	48.832	49.662	0.830
20	10	48.917	49.232	0.315
35	11	48.822	49.217	0.395
35	12	48.360	49.004	0.644
35	13	48.879	48.673	-0.206
35	14	49.377	49.123	-0.254
35	15	48.120	49.528	1.408
30	16	48.781	48.352	-0.429
30	17	49.166	48.897	-0.269
30	18	49.172	49.326	0.154
30	19	48.938	49.357	0.419
30	20	49.116	49.023	-0.093
55	21	49.623	49.166	-0.457
55	22	49.076	49.612	0.536
55	23	49.768	49.065	-0.703
55	24	48.796	49.796	1.000
55	25	50.100	48.657	-1.443
55	26	48.583	50.025	1.442
55	27	48.437	48.447	0.010
55	28	48.192	48.375	0.183
55	29	49.497	48.203	-1.294
55	30	48.715	49.365	0.650
55	31	49.643	48.731	-0.912
55	32	49.589	49.602	0.013
55	33	49.617	49.592	-0.025
55	34	48.935	49.470	0.535
55	35	48.854	48.987	0.133
55	36	48.441	48.730	0.289
55	37	49.552	48.473	-1.079
55	38	47.332	49.607	2.275
55	39	47.253	47.328	0.075
55	40	47.914	47.116	-0.798
55	41	48.032	48.047	0.015
55	42	47.584	47.981	0.397
50	43	47.407	47.384	-0.023
50	44	47.684	47.180	-0.704
50	45	47.900	47.807	-0.093
50	46	48.059	47.724	-0.335
50	47	47.914	47.544	-0.370
50	48	47.914	47.544	-0.370
50	49	47.914	47.544	-0.370
50	50	47.914	47.544	-0.370
50	51	47.914	47.544	-0.370
50	52	47.914	47.544	-0.370
50	53	47.914	47.544	-0.370
50	54	47.914	47.544	-0.370
50	55	47.914	47.544	-0.370
50	56	47.914	47.544	-0.370
50	57	47.914	47.544	-0.370
50	58	47.914	47.544	-0.370
50	59	47.914	47.544	-0.370
50	60	47.914	47.544	-0.370
50	61	47.914	47.544	-0.370
50	62	47.914	47.544	-0.370
50	63	47.914	47.544	-0.370
50	64	47.914	47.544	-0.370
50	65	47.914	47.544	-0.370
50	66	47.914	47.544	-0.370
50	67	47.914	47.544	-0.370
50	68	47.914	47.544	-0.370
50	69	47.914	47.544	-0.370
50	70	47.914	47.544	-0.370
50	71	47.914	47.544	-0.370
50	72	47.914	47.544	-0.370
50	73	47.914	47.544	-0.370
50	74	47.914	47.544	-0.370
50	75	47.914	47.544	-0.370
50	76	47.914	47.544	-0.370
50	77	47.914	47.544	-0.370
50	78	47.914	47.544	-0.370
50	79	47.914	47.544	-0.370
50	80	47.914	47.544	-0.370
50	81	47.914	47.544	-0.370
50	82	47.914	47.544	-0.370
50	83	47.914	47.544	-0.370
50	84	47.914	47.544	-0.370
50	85	47.914	47.544	-0.370
50	86	47.914	47.544	-0.370
50	87	47.914	47.544	-0.370
50	88	47.914	47.544	-0.370
50	89	47.914	47.544	-0.370
50	90	47.914	47.544	-0.370
50	91	47.914	47.544	-0.370
50	92	47.914	47.544	-0.370
50	93	47.914	47.544	-0.370
50	94	47.914	47.544	-0.370
50	95	47.914	47.544	-0.370
50	96	47.914	47.544	-0.370
50	97	47.914	47.544	-0.370
50	98	47.914	47.544	-0.370
50	99	47.914	47.544	-0.370
50	100	47.914	47.544	-0.370
50	101	47.914	47.544	-0.370
50	102	47.914	47.544	-0.370
50	103	47.914	47.544	-0.370
50	104	47.914	47.544	-0.370
50	105	47.914	47.544	-0.370
50	106	47.914	47.544	-0.370
50	107	47.914	47.544	-0.370
50	108	47.914	47.544	-0.370
50	109	47.914	47.544	-0.370
50	110	47.914	47.544	-0.370
50	111	47.914	47.544	-0.370
50	112	47.914	47.544	-0.370
50	113	47.914	47.544	-0.370
50	114	47.914	47.544	-0.370
50	115	47.914	47.544	-0.370
50	116	47.914	47.544	-0.370
50	117	47.914	47.544	-0.370
50	118	47.914	47.544	-0.370
50	119	47.914	47.544	-0.370
50	120	47.914	47.544	-0.370
50	121	47.914	47.544	-0.370
50	122	47.914	47.544	-0.370
50	123	47.914	47.544	-0.370
50	124	47.914	47.544	-0.370
50	125	47.914	47.544	-0.370
50	126	47.914	47.544	-0.370
50	127	47.914	47.544	-0.370
50	128	47.914	47.544	-0.370
50	129	47.914	47.544	-0.370
50	130	47.914	47.544	-0.370
50	131	47.914	47.544	-0.370
50	132	47.914	47.544	-0.370
50	133	47.914	47.544	-0.370
50	134	47.914	47.544	-0.370
50	135	47.914	47.544	-0.370
50	136	47.914	47.544	-0.370
50	137	47.914	47.544	-0.370
50	138	47.914	47.544	-0.370
50	139	47.914	47.544	-0.370
50	140	47.914	47.544	-0.370
50	141	47.914	47.544	-0.370
50	142	47.914	47.544	-0.370
50	143	47.914	47.544	-0.370
50	144	47.914	47.544	-0.370
50	145	47.914	47.544	-0.370
50	146	47.914	47.544	-0.370
50	147	47.914	47.544	-0.370
50	148	47.914	47.544	-0.370
50	149	47.914	47.544	-0.370
50	150	47.914	47.544	-0.370
50	151	47.914	47.544	-0.370
50	152	47.914	47.544	-0.370
50	153	47.914	47.544	-0.370
50	154	47.914	47.544	-0.370
50	155	47.914	47.544	-0.370
50	156	47.914	47.544	-0.370
50	157	47.914	47.544	-0.370
50	158	47.914	47.544	-0.370
50	159	47.914	47.544	-0.370
50	160	47.914	47.544	-0.370
50	161	47.914	47.544	-0.370
50	162	47.914	47.544	-0.370
50	163	47.914	47.544	-0.370
50	164	47.914	47.544	-0.370
50	165	47.914	47.544	-0.370
50	166	47.914	47.544	-0.370
50	167	47.914	47.544	-0.370
50	168	47.914	47.544	-0.370
50	169	47.914	47.544	-0.370
50	170	47.914	47.544	-0.370
50	171	47.914	47.544	-0.370
50	172	47.914	47.544	-0.370
50	173	47.914	47.544	-0.370
50	174	47.914	47.544	-0.370
50	175	47.914	47.544	-0.370
50	176	47.914	47.544	-0.370
50	177	47.914	47.544	-0.370
50	178	47.914	47.544	-0.370
50	179	47.914	47.544	-0.370
50	180	47.914	47.544	-0.370
50	181	47.914	47.544	-0.370
50	182	47.914	47.544	-0.370
50	183	47.914	47.544	-0.370
50	184	47.914	47.544	-0.370
50	185	47.914	47.544	-0.370
50	186	47.914	47.544	-0.370
50	187	47.914	47.544	-0.370
50	188	47.914	47.544	-0.370
50	189	47.914	47.544	-0.370
50	190	47.914	47.544	-0.370
50	191	47.914	47.544	-0.370
50	192	47.914	47.544	-0.370
50	193	47.914	47.544	-0.370
50	194	47.914	47.544	-0.370
50	195	47.914	47.544	-0.370
50	196	47.914	47.544	-0.370
50	197	47.914	47.544	-0.370
50	198	47.914	47.544	-0.370
50	199	47.914	47.544	-0.370
50	200	47.914	47.544	-0.370
50	201	47.914	47.544	-0.370
50	202	47.914	47.544	-0.370
50	203	47.914	47.544	-0.370
50	204	47.914	47.544	-0.370
50	205	47.914	47.544	-0.370
50	206	47.914	47.544	-0.370
50	207	47.914	47.544	-0.370
50	208	47.914	47.544	-0.370
50	209	47.914	47.544	-0.370
50	210	47.914	47.544	-0.370
50	211	47.914	47.544	-0.370
50	212	47.914	47.544	-0.370
50	213	47.914	47.544	-0.370
50	214	47.914	47.544	-0.370
50	215	47.914	47.544	-0.370
50	216	47.914	47.544	-0.370
50	217	47.914	47.544	-0.370
50	218	47.914	47.544	-0.370
50	219	47.914	47.544	-0.370
50	220	47.914	47.544	-0.370
50	221	47.914	47.544	-0.370
50	222	47.914	47.544	-0.370
50	223	47.914	47.544	-0.370
50	224	47.914	47.544	-0.370
50	225	47.914	47.544	-0.370
50	226	47.914	47.544	-0.370
50	227	47.914		

**HDR TID Report
TPS7H5007-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

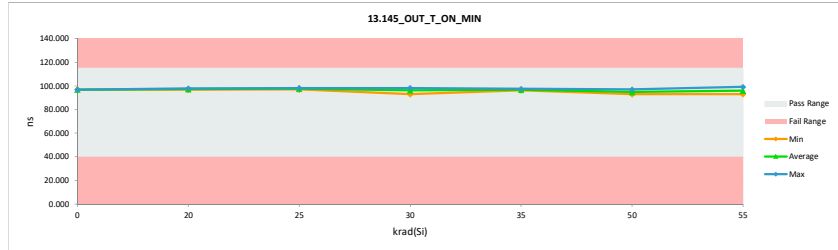
13.145_OUT_T_ON_MIN	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	115 115
Min Limit	40 40

krad(Si)	Serial #	007_SEP_Pre	HD1007_SEP_Post	HD	Delta
0	48	98.322	96.867		-1.455
25	1	99.398	97.033		-2.365
25	2	100.265	97.489		-2.776
25	3	99.659	98.232		-1.427
25	4	99.451	97.806		-1.645
25	5	99.318	97.308		-2.010
20	6	98.708	97.471		-1.237
20	7	100.147	96.725		-3.422
20	8	99.205	97.906		-1.299
20	9	99.021	97.350		-1.671
20	10	99.217	96.703		-2.514
35	11	99.609	97.163		-2.446
35	12	98.250	97.400		-0.850
35	13	98.896	96.224		-2.672
35	14	98.348	96.800		-1.548
35	15	98.900	96.268		-2.632
30	16	99.636	96.673		-2.963
30	17	99.896	98.214		-1.682
30	18	94.942	97.342		2.400
30	19	99.137	92.844		-6.293
30	20	96.729	96.377		-0.352
55	21	99.232	94.413		-4.819
55	22	97.083	97.215		0.132
55	23	97.732	94.345		-3.387
55	24	94.907	95.418		0.511
55	25	99.175	92.934		-6.241
55	26	99.151	96.649		-2.502
55	27	98.637	96.142		-2.495
55	28	101.991	96.684		-5.307
55	29	96.190	99.144		2.954
55	30	96.675	93.786		-2.889
55	31	99.699	96.290		-3.409
55	32	96.361	96.940		0.579
55	33	99.964	94.122		-5.842
55	34	98.481	98.078		-0.403
55	35	98.692	96.661		-2.031
55	36	97.796	96.009		-1.787
55	37	100.289	95.172		-5.117
55	38	97.383	95.628		-1.755
55	39	98.046	95.311		-2.735
55	40	99.545	95.428		-4.117
55	41	97.904	97.516		-0.388
55	42	95.976	95.604		-0.372
50	43	98.436	92.844		-5.592
50	44	97.254	96.378		-0.876
50	45	98.877	94.988		-3.889
50	46	95.630	93.177		-2.453
50	47	98.856	96.955		-1.901
	Max	101.991	99.144		2.954
	Average	98.480	96.251		-2.229
	Min	94.907	92.844		-6.293
	Std Dev	1.466	1.505		1.989



13.145_OUT_T_ON_MIN	
Test Site	
Tester	
Test Number	
Max Limit	115 ns
Min Limit	40 ns

krad(Si)	0	20	25	30	35	50	55
LL	40.000	40.000	40.000	40.000	40.000	40.000	40.000
Min	96.867	96.703	97.033	92.844	96.224	92.844	92.934
Average	96.867	97.231	97.574	96.290	96.771	94.868	95.886
Max	96.867	97.906	98.232	98.214	97.400	96.955	99.144
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000

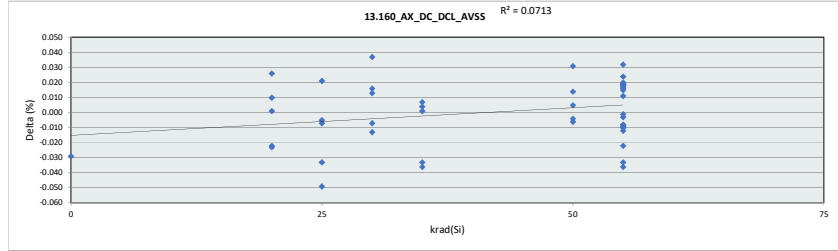


**HDR TID Report
TPS7H5007-SEP**

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

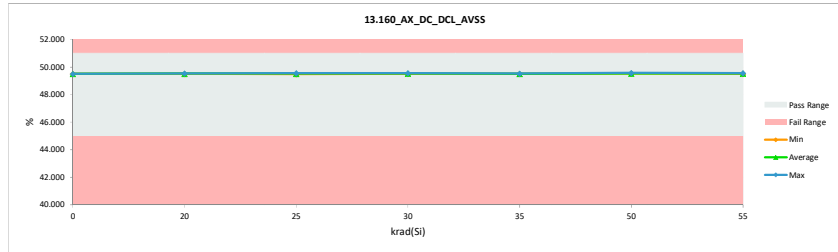
13.160_AX_DC_DCL_AVSS	
Test Site	
Tester	
Test Number	
Unit	% %
Max Limit	51 51
Min Limit	45 45

krad(Si)	Serial #	007_SEP_Pre_HDI	007_SEP_Post_HDI	Delta
0	48	49.545	49.516	-0.029
25	1	49.546	49.497	-0.049
25	2	49.545	49.540	-0.005
25	3	49.552	49.519	-0.033
25	4	49.540	49.561	0.021
25	5	49.538	49.531	-0.007
20	6	49.550	49.551	0.001
20	7	49.546	49.523	-0.023
20	8	49.523	49.533	0.010
20	9	49.526	49.504	-0.022
20	10	49.514	49.540	0.026
35	11	49.519	49.526	0.007
35	12	49.546	49.513	-0.033
35	13	49.527	49.528	0.001
35	14	49.526	49.530	0.004
35	15	49.539	49.503	-0.036
30	16	49.534	49.527	-0.007
30	17	49.531	49.547	0.016
30	18	49.523	49.536	0.013
30	19	49.532	49.519	-0.013
30	20	49.528	49.565	0.037
55	21	49.528	49.544	0.016
55	22	49.545	49.537	-0.008
55	23	49.533	49.544	0.011
55	24	49.526	49.518	-0.008
55	25	49.524	49.544	0.020
55	26	49.544	49.511	-0.033
55	27	49.551	49.570	0.019
55	28	49.548	49.512	-0.036
55	29	49.528	49.543	0.015
55	30	49.527	49.545	0.018
55	31	49.526	49.545	0.019
55	32	49.531	49.528	-0.003
55	33	49.537	49.561	0.024
55	34	49.537	49.555	0.018
55	35	49.532	49.549	0.017
55	36	49.527	49.515	-0.012
55	37	49.517	49.549	0.032
55	38	49.540	49.518	-0.022
55	39	49.555	49.546	-0.009
55	40	49.540	49.539	-0.001
55	41	49.544	49.563	0.019
55	42	49.548	49.538	-0.010
50	43	49.544	49.549	0.005
50	44	49.539	49.533	-0.006
50	45	49.548	49.544	-0.004
50	46	49.523	49.537	0.014
50	47	49.547	49.578	0.031
Max		49.555	49.578	0.037
Average		49.536	49.536	0.000
Min		49.514	49.497	-0.049
Std Dev		0.010	0.018	0.021



13.160_AX_DC_DCL_AVSS	
Test Site	
Tester	
Test Number	
Unit	% %
Max Limit	51 %
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	49.516	49.504	49.497	49.519	49.503	49.533	49.511
Average	49.516	49.530	49.530	49.539	49.520	49.548	49.540
Max	49.516	49.551	49.561	49.565	49.530	49.578	49.570
UL	51.000	51.000	51.000	51.000	51.000	51.000	51.000

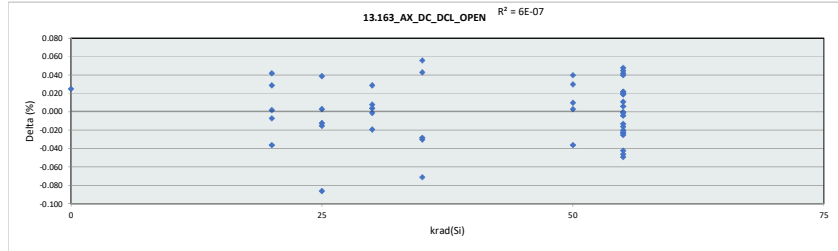


**HDR TID Report
TPS7H5007-SEP**

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

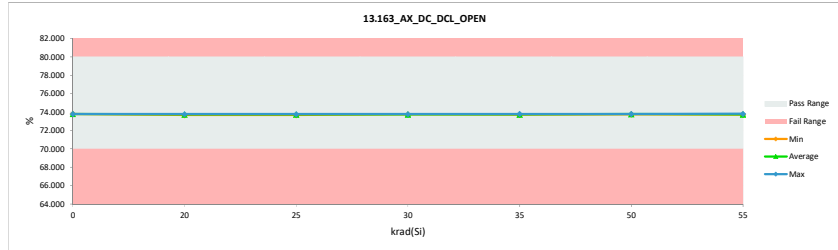
13.163_AX_DC_DCL_OPEN	
Test Site	
Tester	
Test Number	
Unit	% %
Max Limit	80 80
Min Limit	70 70

krad(Si)	Serial #	007_SEP_Pre	HDI007_SEP_Post	Delta
0	48	73.785	73.810	0.025
25	1	73.769	73.772	0.003
25	2	73.770	73.758	-0.012
25	3	73.745	73.784	0.039
25	4	73.754	73.739	-0.015
25	5	73.782	73.696	-0.086
20	6	73.736	73.778	0.042
20	7	73.757	73.786	0.029
20	8	73.732	73.696	-0.036
20	9	73.750	73.743	-0.007
20	10	73.730	73.732	0.002
35	11	73.750	73.720	-0.030
35	12	73.781	73.710	-0.071
35	13	73.751	73.807	0.056
35	14	73.767	73.739	-0.028
35	15	73.757	73.800	0.043
30	16	73.763	73.771	0.008
30	17	73.753	73.752	-0.001
30	18	73.749	73.753	0.004
30	19	73.751	73.780	0.029
30	20	73.772	73.753	-0.019
55	21	73.764	73.760	-0.004
55	22	73.772	73.794	0.022
55	23	73.770	73.750	-0.020
55	24	73.760	73.771	0.011
55	25	73.737	73.785	0.048
55	26	73.779	73.737	-0.042
55	27	73.775	73.775	0.000
55	28	73.780	73.734	-0.046
55	29	73.768	73.767	-0.001
55	30	73.764	73.806	0.042
55	31	73.751	73.773	0.022
55	32	73.769	73.788	0.019
55	33	73.761	73.767	0.006
55	34	73.772	73.749	-0.023
55	35	73.766	73.741	-0.025
55	36	73.752	73.739	-0.013
55	37	73.748	73.793	0.045
55	38	73.759	73.779	0.020
55	39	73.797	73.781	-0.016
55	40	73.778	73.818	0.040
55	41	73.775	73.753	-0.022
55	42	73.788	73.739	-0.049
50	43	73.781	73.784	0.003
50	44	73.765	73.795	0.030
50	45	73.799	73.763	-0.036
50	46	73.757	73.767	0.010
50	47	73.776	73.816	0.040
Max		73.799	73.818	0.056
Average		73.764	73.765	0.001
Min		73.730	73.696	-0.086
Std Dev		0.016	0.029	0.032



13.163_AX_DC_DCL_OPEN	
Test Site	
Tester	
Test Number	
Unit	% %
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	73.810	73.696	73.696	73.752	73.710	73.763	73.734
Average	73.810	73.747	73.750	73.762	73.755	73.785	73.768
Max	73.810	73.786	73.784	73.780	73.807	73.816	73.818
UL	80.000	80.000	80.000	80.000	80.000	80.000	80.000

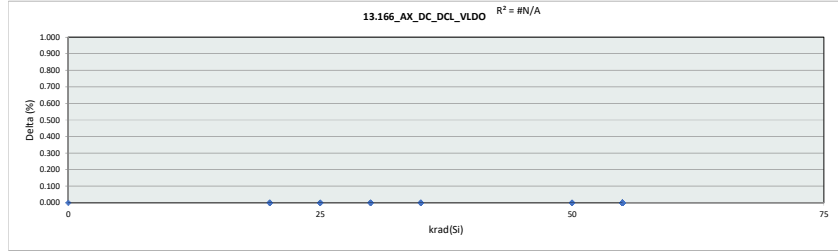


**HDR TID Report
TPS7H5007-SEP**

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

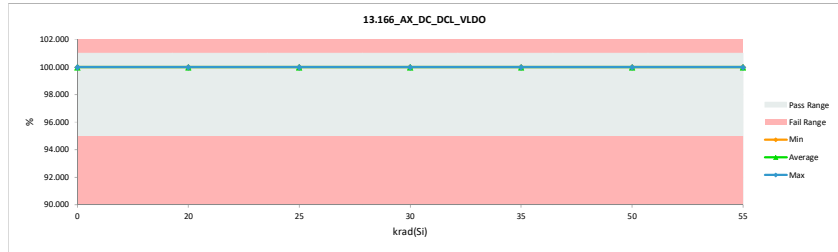
13.166_AX_DC_DCL_VLDO	
Test Site	
Tester	
Test Number	
Unit	% %
Max Limit	101 101
Min Limit	95 95

krad(Si)	Serial #	007_SEP_Pre	HDI007_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	101 %
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	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	101.000	101.000	101.000	101.000	101.000	101.000	101.000



IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to [TI's Terms of Sale](#) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

TI objects to and rejects any additional or different terms you may have proposed.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2022, Texas Instruments Incorporated