



## ABSTRACT

This report discusses the results of the total ionizing dose (TID) testing for TPS7H5004-SP QMLP, Texas Instruments 4V to 14V radiation-hardness-assured, current mode, dual output PWM controller optimized for DC-DC converters. The study was done to determine TID effects under high dose rate (HDR) up to 100krad(Si). The results show that all samples passed within the specified limits up to 100krad(Si).

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## Trademarks

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## 1 Device Information

### 1.1 Product Description

The TPS7H5004-SP QMLP is a dual output radiation-hardness-assured PWM controller suited for usage in non-synchronous push-pull and full-bridge topologies. The controller has configurable leading edge blank time. The maximum duty cycle for this device is 50% and is attained by connecting the DCL pin to AVSS. The device has high switching frequency capability, small footprint, and 0.613-V  $\pm$ 1% reference.

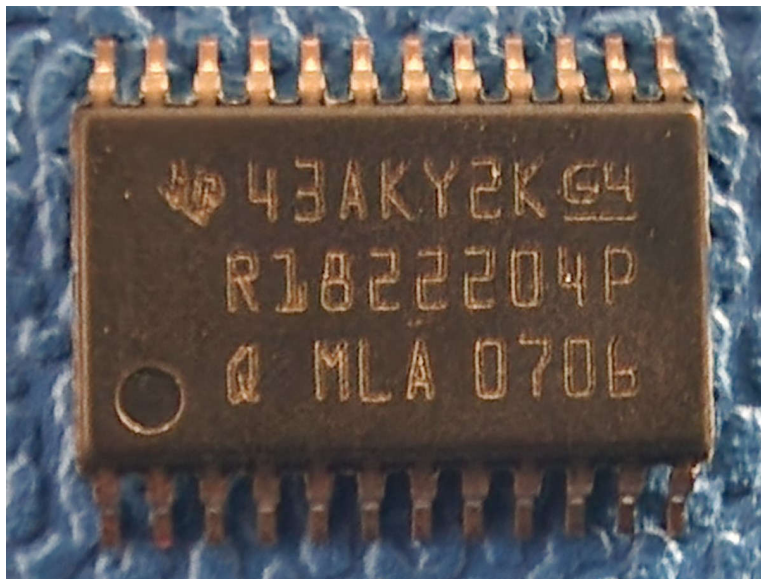
The TPS7H5004-SP QMLP can be driven using an external clock through the SYNC pin or run using the internal oscillator at a frequency programmed by the user. The TPS7H5004-SP QMLP is packaged in a very small 24-pin TSSOP (thin-shrink small outline) package.

## 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	TPS7H5004-SP QMLP
TI Part Name	5962R1822204PYE
Package	24-pin TSSOP
Technology	LBC7
Quantity Tested	50
Lot Accept/Reject	All levels tested and passed up to 100krad(Si)
HDR Radiation Facility	Texas Instruments - Dallas, TX
HDR Dose Level	3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), 100 krad(Si)
HDR Dose Rate	175.827 rads(Si)/s [175.824 to 175.830 rad(Si)/s]
HDR Radiation Source	Gammacell (Hopewell, GR420) Co-60
Irradiation Temperature	Ambient room temperature



**Figure 1-1. TPS7H5004-SP QMLP Device Image**

## 2 Total Dose Test Setup

### 2.1 Test Overview

The TPS7H5004-SP QMLP 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 TPS7H5004-SP QMLP 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 175.827 rads(Si)/s [175.824 to 175.830 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.

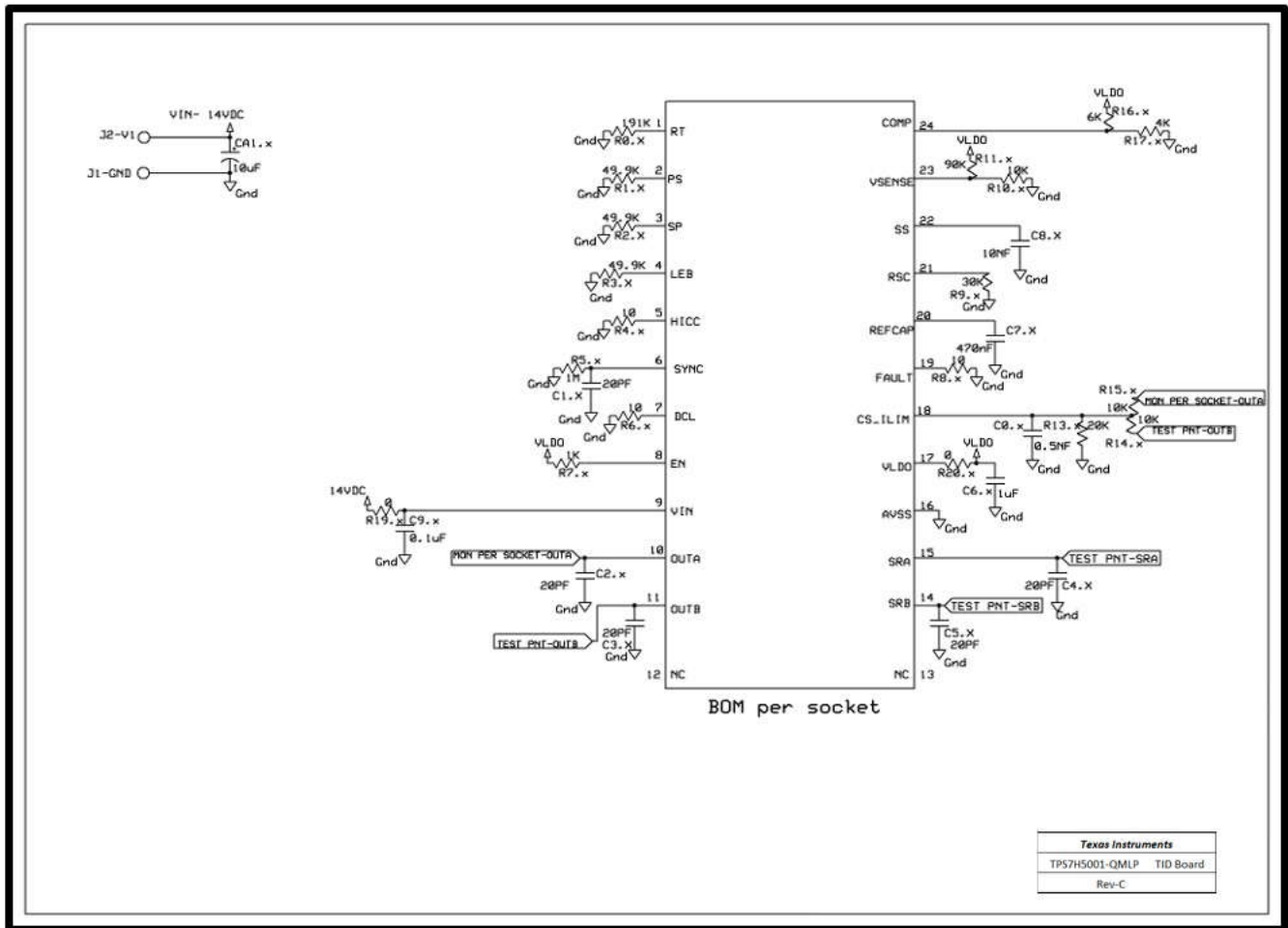


Figure 2-1. Bias Diagram Used in TID Exposure

## 2.4 Test Configuration and Condition

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

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

Total Samples: 25				
Exposure Levels				
3krad(Si)	10krad(Si)	30krad(Si)	50krad(Si)	100krad(Si)
442, 699, 344, 355, 750	540, 387, 787, 1042, 483	538, 164, 1018, 462, 1032	795, 921, 741, 809, 804	1036, 1038, 203, 1029, 1027

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

Total Samples: 25				
Exposure Levels				
3krad(Si)	10krad(Si)	30krad(Si)	50krad(Si)	100krad(Si)
689, 688, 700, 482, 1033	537, 396, 521, 535, 526	597, 853, 416, 949, 221	566, 197, 793, 802, 61	449, 541, 476, 45, 642

## 3 TID Characterization Test Results

### 3.1 TID Characterization Summary Results

The parametric data for the TPS7H5004-SP QMLP passes up to 100krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the TPS7H5004-SP QMLP showed a strong degree of hardness to HDR TID irradiation up to 100krad(Si) for both biased and unbiased exposure conditions. The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level for both biased and unbiased. The parameters that did show a greater degree of change between pre- and post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. See [TPS7H500x-SP Radiation-Hardness-Assured 2-MHz Current Mode PWM Controllers](#) for the datasheet electrical parameters and associated tests.

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

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

### 3.2 Specification Compliance Matrix

**Table 3-1. TPS7H5004-SP QMLP Electrical Parameters Table**

PARAMETER	TEST CONDITION	TPS7H5004-SP QMLP DATA SHEET				TEST #
		MIN	TYP	MAX	UNIT	
<b>SUPPLY VOLTAGES AND CURRENTS</b>						
IDD Operating supply current	f <sub>SW</sub> = 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 <sub>SW</sub> = 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 <sub>SW</sub> = 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 <sub>SW</sub> = 500 kHz, C <sub>LOAD</sub> = 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 <sub>SW</sub> = 1 MHz, C <sub>LOAD</sub> = 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 <sub>SW</sub> = 2 MHz, C <sub>LOAD</sub> = 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 <sub>DD(dis)</sub> Standby current	EN = 0V			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	5V ≤ VIN ≤ 14V, f <sub>sw</sub> ≤ 1MHz	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
	5V ≤ VIN ≤ 14V, f <sub>sw</sub> = 2MHz	4.65	5	5.2	V	5.85 __V_LDO_2M_5V, 5.86 __V_LDO_2M_12V, 5.87 __V_LDO_2M_14V
<b>ENABLE AND UNDERVOLTAGE LOCKOUT</b>						
V <sub>ENR</sub> 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 <sub>ENF</sub> 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 <sub>ENH</sub> 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 <sub>EN</sub> EN pin input leakage current	VIN = 14V, 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 <sub>UVLOR</sub> 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 <sub>UVLOF</sub> 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 <sub>UVLOH</sub> 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
<b>SOFT START</b>						
I <sub>SS</sub> Soft-start current	SS = 0.3V	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
<b>ERROR AMPLIFIER</b>						
E <sub>A<sub>gm</sub></sub> Transconductance	-2µA < I <sub>COMP</sub> < 2µA, V <sub>(COMP)</sub> = 1V	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. TPS7H5004-SP QMLP Electrical Parameters Table (continued)**

PARAMETER	TEST CONDITION	TPS7H5004-SP QMLP DATA SHEET				TEST #
		MIN	TYP	MAX	UNIT	
EA <sub>ISRC</sub> Error amplifier source current	V <sub>(COMP)</sub> = 1V, 100mV 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 <sub>SINK</sub> Error amplifier sink current	V <sub>(COMP)</sub> = 1V, 100mV 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 <sub>OS</sub> 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
<b>OSCILLATOR</b>						
SYNC <sub>RT</sub> SYNC out low-to-high rise time (10%/90%)	C <sub>LOAD</sub> = 25pF		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 <sub>FT</sub> SYNC out high-to-low fall time (10%/90%)	C <sub>LOAD</sub> = 25pF		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 <sub>OL</sub> SYNC out low level	I <sub>OL</sub> = 10mA			500	mV	9.186 __SYNC_VOL_4V, 9.187 __SYNC_VOL_5V, 9.188 __SYNC_VOL_12V, 9.189 __SYNC_VOL_14V
EXT <sub>DT</sub> Externally set frequency detection time	RT = Open, f = 200 kHz			20	μs	9.185 __T_SYNC_DETECT
FSW <sub>EXT</sub> Externally set frequency	RT = 1.07MΩ	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 = 511kΩ	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 = 90.9kΩ	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 = 34.8kΩ	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
<b>VOLTAGE REFERENCE</b>						
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. TPS7H5004-SP QMLP Electrical Parameters Table (continued)**

PARAMETER	TEST CONDITION	TPS7H5004-SP QMLP DATA SHEET				TEST #
		MIN	TYP	MAX	UNIT	
REFCAP REFCAP voltage	REFCAP = 470nF	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
<b>CURRENT SENSE, CURRENT LIMIT, AND HICCUF</b>						
CCSR	COMP to CS_ILIM ratio	2.00	2.06	2.12		10.49 __CCSR_Ratio
V <sub>CS_ILIM</sub> 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
<b>FAULT</b>						
V <sub>FLTR</sub> 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 <sub>FLTF</sub> 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 <sub>FLTH</sub> 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 <sub>FLT</sub> FLT minimum pulse width	V <sub>FLT</sub> = 1V	0.4		1.4	μs	12.14 __T_FAULT_MIN
t <sub>DFLT</sub> FLT delay duration	f <sub>sw</sub> = 100kHz	140	152	169	μs	12.15 __T_FAULT_DELAY_100kHz
	f <sub>sw</sub> = 200kHz	66	78	86	μs	12.17 __T_FAULT_DELAY_200kHz
	f <sub>sw</sub> = 1MHz	14	17	21	μs	12.21 __T_FAULT_DELAY_1MHz
	f <sub>sw</sub> = 2MHz	7	11	14	μs	12.23 __T_FAULT_DELAY_2MHz
<b>PRIMARY AND SYNCHRONOUS RECTIFIER OUTPUTS</b>						
Rise/fall time	R <sub>LOAD</sub> = 50kΩ, C <sub>LOAD</sub> = 100pF, 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, 13.2 __OUTB_RISE_1MHz_4V, 13.10 __OUTB_RISE_1MHz_5V, 13.18 __OUTB_RISE_1MHz_12V, 13.26 __OUTB_RISE_1MHz_14V, 13.4 __OUTB_FALL_1MHz_4V, 13.12 __OUTB_FALL_1MHz_5V, 13.20 __OUTB_FALL_1MHz_12V, 13.28 __OUTB_FALL_1MHz_14V
t <sub>MIN</sub> Minimum on-time LEB = 10kΩ	LEB = 10kΩ, 5V ≤ VIN ≤ 14V			85	ns	13.145 __OUT_T_ON_MIN
<b>DUTY CYCLE</b>						
D <sub>MAX</sub> Maximum duty cycle	DCL = AVSS	45	48	50	%	13.160 __MAX_DC_DCL_AVSS

## 4 Applicable and Reference Documents

### 4.1 Applicable Documents

- Texas Instruments, [TPS7H500x-SP Radiation-Hardness-Assured 2-MHz Current Mode PWM Controllers](#)
- 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.

## A Appendix: Specifications Requiring Clarification

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

PARAMETER	TEST CONDITION	TPS7H5004-SP QMLP DATA SHEET			
		MIN	TYP	MAX	UNIT
V <sub>IN</sub> Operating voltage		4		14	V
F <sub>SYNC</sub> SYNC in frequency range		200		4000	kHz
D <sub>SYNC</sub> SYNC in duty cycle	Duty cycle of external clock	40		60	%

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

PARAMETER	TEST CONDITION	TPS7H5004-SP QMLP DATA SHEET			
		MIN	TYP	MAX	UNIT
E <sub>A<sub>DC</sub></sub> DC gain	V <sub>SENSE</sub> = 0.6V		10000		V/V
E <sub>A<sub>ro</sub></sub> Error amplifier output resistance			7		MΩ
E <sub>A<sub>IB</sub></sub> Error amplifier bias current				35	nA
E <sub>A<sub>BW</sub></sub> Bandwidth			10		MHz
S <sub>Y<sub>NC</sub>IL</sub> SYNC in low-level	V <sub>IN</sub> < 5V			0.8	V
	V <sub>IN</sub> ≥ 5V			0.8	
S <sub>Y<sub>NC</sub>IH</sub> SYNC in high-level	V <sub>IN</sub> < 5V		3.5		V
	V <sub>IN</sub> ≥ 5V		3.5		
(V <sub>LDO</sub> - S <sub>Y<sub>NC</sub>OH</sub> ) SYNC out high level	I <sub>OH</sub> = 10mA			0.5	V

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

PARAMETER	TEST CONDITION	TPS7H5004-SP QMLP DATA SHEET			
		MIN	TYP	MAX	UNIT
I <sub>HICC_DEL</sub> Hiccup delay current	CS <sub>LIM</sub> = 1.3V, COMP = 3V, V <sub>SENSE</sub> = REFCAP/2V, C <sub>HICC</sub> = 3nF, LEB = 49.9kΩ, f <sub>sw</sub> = 100kHz		80		μA
I <sub>HICC_RST</sub> Hiccup restart current			1		μA
V <sub>HICC_PU</sub> Hiccup pull-up threshold			1.0		V
V <sub>HICC_SD</sub> Hiccup shut-down threshold			0.6		V
V <sub>HICC_RS</sub> T Hiccup restart threshold			0.3		V

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

PARAMETER	TEST CONDITION	TPS7H5004-SP QMLP DATA SHEET			
		MIN	TYP	MAX	UNIT
Slope compensation	$f_{SW} = 100\text{kHz}$ , RSC = 1.18M $\Omega$		0.033		V/ $\mu\text{s}$
	$f_{SW} = 200\text{kHz}$ , RSC = 562k $\Omega$		0.066		
	$f_{SW} = 1000\text{kHz}$ , RSC = 100k $\Omega$		0.333		
	$f_{SW} = 2000\text{kHz}$ , RSC = 49.9k $\Omega$		0.666		

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

PARAMETER	TEST CONDITION	TPS7H5004-SP QMLP DATA SHEET			
		MIN	TYP	MAX	UNIT
<b>PRIMARY AND SYNCHRONOUS RECTIFIER OUTPUTS</b>					
Low-level threshold	$I_{\text{SINK}} = 10\text{mA}$		0.5		V
High-level threshold	$I_{\text{SOURCE}} = 10\text{mA}$		4.5		V
$R_{\text{SRC\_P}}$ Output source resistance	$I_{\text{OUT}} = 20\text{mA}$		15		$\Omega$
$R_{\text{SINK\_P}}$ Output sink resistance	$I_{\text{OUT}} = 20\text{mA}$		15		$\Omega$

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

PARAMETER	TEST CONDITION	TPS7H5004-SP QMLP DATA SHEET			
		MIN	TYP	MAX	UNIT
VREF Internal voltage reference	Measured at COMP, $-55^{\circ}\text{C}$	0.607	0.609	0.612	V
	Measured at COMP, $+125^{\circ}\text{C}$	0.611	0.614	0.617	

## B Appendix: HDR TID Report Data

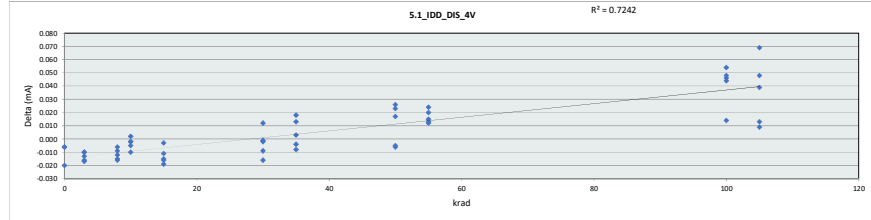
This appendix contains the HDR TID report data.

HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

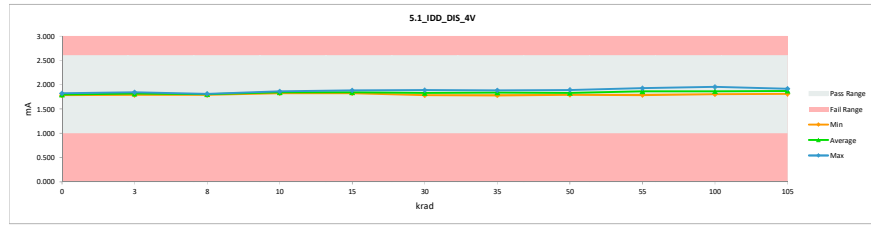
5.1_IDD_DIS_4V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	2.6 2.6
Min Limit	1 1

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.802	1.782	-0.020
0	726	1.827	1.821	-0.006
0	791	1.799	1.793	-0.006
3	689	1.831	1.821	-0.010
3	688	1.825	1.809	-0.016
3	700	1.828	1.818	-0.010
3	482	1.860	1.843	-0.017
3	1033	1.864	1.791	-0.013
8	442	1.820	1.804	-0.016
8	699	1.802	1.790	-0.012
8	344	1.823	1.808	-0.015
8	355	1.802	1.793	-0.009
8	790	1.819	1.813	-0.006
10	537	1.827	1.824	0.002
10	396	1.852	1.842	-0.010
10	521	1.842	1.837	-0.005
10	535	1.864	1.862	-0.002
10	526	1.860	1.858	-0.002
15	940	1.862	1.843	-0.019
15	387	1.851	1.835	-0.016
15	787	1.836	1.825	-0.011
15	1042	1.899	1.884	-0.015
15	483	1.829	1.826	-0.003
30	597	1.810	1.794	-0.016
30	853	1.890	1.888	-0.002
30	416	1.825	1.824	-0.001
30	949	1.793	1.784	-0.009
30	221	1.847	1.859	0.012
35	538	1.861	1.874	0.013
35	164	1.785	1.781	-0.004
35	1018	1.864	1.882	0.018
35	462	1.796	1.799	0.003
35	1032	1.873	1.865	-0.008
50	566	1.835	1.830	-0.005
50	197	1.833	1.827	-0.006
50	793	1.792	1.818	0.026
50	802	1.769	1.792	0.023
50	61	1.875	1.892	0.017
55	795	1.775	1.788	0.013
55	921	1.916	1.928	0.012
55	741	1.808	1.832	0.024
55	809	1.908	1.923	0.015
55	804	1.827	1.847	0.020
100	449	1.807	1.851	0.044
100	541	1.756	1.804	0.048
100	476	1.835	1.889	0.054
100	45	1.820	1.834	0.014
100	642	1.908	1.954	0.046
105	1036	1.828	1.897	0.069
105	1038	1.834	1.847	0.013
105	203	1.853	1.892	0.039
105	1029	1.802	1.811	0.009
105	1027	1.870	1.918	0.048
105		1.916	1.954	0.069
	Max	1.833	1.839	0.006
	Average	1.756	1.781	-0.020
	Min	1.756	1.781	-0.020
	Std Dev	0.036	0.042	0.022



5.1_IDD_DIS_4V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	2.6 2.6
Min Limit	1 1

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.782	1.791	1.790	1.824	1.825	1.784	1.781	1.792	1.788	1.804	1.811
Average	1.799	1.816	1.802	1.845	1.843	1.830	1.840	1.832	1.864	1.866	1.873
Max	1.821	1.843	1.813	1.862	1.884	1.884	1.882	1.882	1.928	1.954	1.918
UL	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600

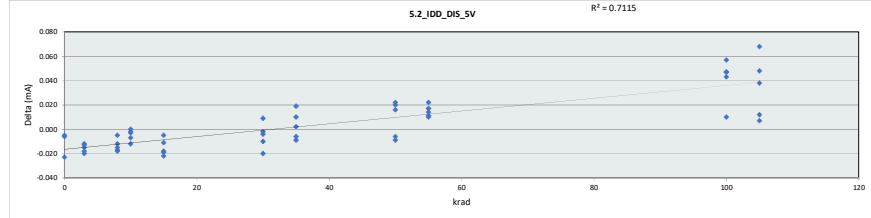


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

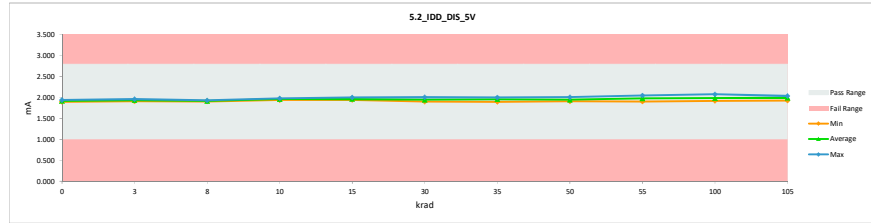
5.2_IDD_DIS_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	2.8
Min Limit	1

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	1.922	1.899	-0.023
0	726	1.948	1.942	-0.006
0	791	1.915	1.910	-0.005
3	689	1.951	1.938	-0.013
3	688	1.945	1.927	-0.018
3	700	1.948	1.936	-0.012
3	482	1.983	1.963	-0.020
3	1033	1.945	1.910	-0.035
8	442	1.940	1.922	-0.018
8	699	1.922	1.907	-0.015
8	344	1.944	1.927	-0.017
8	355	1.922	1.910	-0.012
8	730	1.937	1.932	-0.005
10	537	1.942	1.942	0.000
10	396	1.973	1.961	-0.012
10	521	1.962	1.955	-0.007
10	535	1.983	1.981	-0.002
10	526	1.981	1.978	-0.003
15	940	1.984	1.962	-0.022
15	387	1.973	1.954	-0.019
15	787	1.956	1.945	-0.011
15	1042	2.022	2.004	-0.018
15	483	1.950	1.945	-0.005
30	597	1.932	1.912	-0.020
30	853	2.012	2.008	-0.004
30	416	1.945	1.943	-0.002
30	949	1.913	1.903	-0.010
30	221	1.967	1.976	0.009
35	538	1.983	1.993	0.010
35	164	1.905	1.899	-0.006
35	1018	1.983	2.002	0.019
35	462	1.913	1.915	0.002
35	1032	1.993	1.984	-0.009
50	566	1.954	1.948	-0.006
50	197	1.954	1.945	-0.009
50	793	1.912	1.934	0.022
50	802	1.890	1.910	0.020
50	61	1.995	2.011	0.016
55	795	1.894	1.905	0.011
55	921	2.039	2.049	0.010
55	741	1.928	1.950	0.022
55	809	2.030	2.044	0.014
55	804	1.948	1.965	0.017
100	449	1.928	1.971	0.043
100	541	1.875	1.922	0.047
100	476	1.952	2.009	0.057
100	45	1.941	1.951	0.010
100	642	2.030	2.077	0.047
105	1036	1.948	2.016	0.068
105	1038	1.953	1.965	0.012
105	203	1.974	2.012	0.038
105	1029	1.921	1.928	0.007
105	1027	1.990	2.038	0.048
105	Max	2.039	2.077	0.038
105	Average	1.953	1.957	0.004
105	Min	1.875	1.899	-0.023
105	Std Dev	0.036	0.043	0.022



5.2_IDD_DIS_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	2.8
Min Limit	1

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.899	1.910	1.907	1.942	1.945	1.903	1.899	1.910	1.905	1.922	1.928
Average	1.917	1.935	1.920	1.963	1.962	1.948	1.959	1.950	1.983	1.986	1.992
Max	1.942	1.963	1.932	1.981	2.004	2.008	2.002	2.011	2.049	2.077	2.038
UL	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800

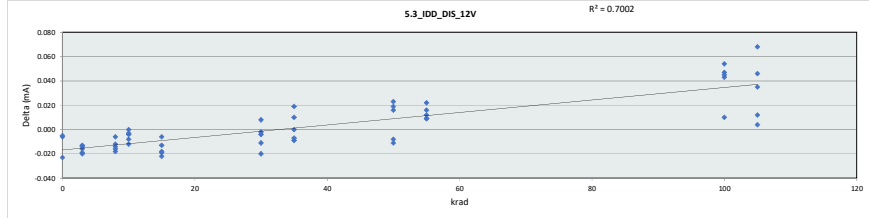


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

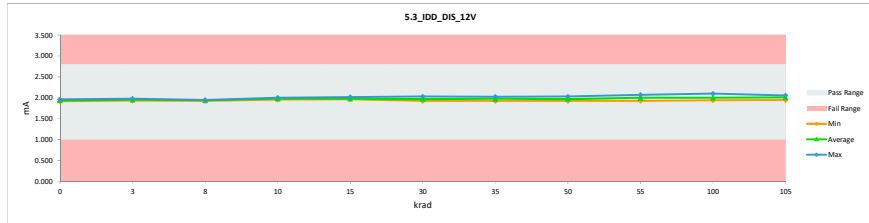
5.3_IDD_DIS_12V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	2.8
Min Limit	1

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.938	1.915	-0.023
0	726	1.968	1.962	-0.006
0	791	1.934	1.929	-0.005
3	689	1.968	1.955	-0.013
3	688	1.965	1.946	-0.019
3	700	1.973	1.959	-0.014
3	482	2.003	1.983	-0.020
3	1033	2.006	1.930	-0.016
8	442	1.960	1.942	-0.018
8	699	1.939	1.925	-0.014
8	344	1.964	1.948	-0.016
8	355	1.943	1.931	-0.012
8	730	1.956	1.950	-0.006
10	537	1.956	1.956	0.000
10	396	1.990	1.978	-0.012
10	521	1.982	1.974	-0.008
10	535	2.001	1.997	-0.004
10	526	2.006	2.003	-0.003
15	940	2.005	1.983	-0.022
15	387	1.991	1.972	-0.019
15	787	1.980	1.967	-0.013
15	1042	2.037	2.019	-0.018
15	483	1.974	1.968	-0.006
30	597	1.948	1.928	-0.020
30	853	2.033	2.029	-0.004
30	416	1.965	1.963	-0.002
30	949	1.932	1.921	-0.011
30	221	1.989	1.997	0.008
35	538	1.997	2.007	0.010
35	164	1.928	1.921	-0.007
35	1018	2.004	2.023	0.019
35	462	1.933	1.933	0.000
35	1032	2.015	2.006	-0.009
50	566	1.972	1.964	-0.008
50	197	1.977	1.966	-0.011
50	793	1.934	1.957	0.023
50	802	1.904	1.923	0.019
50	61	2.014	2.030	0.016
55	795	1.915	1.924	0.009
55	921	2.062	2.071	0.009
55	741	1.949	1.971	0.022
55	809	2.051	2.063	0.012
55	804	1.966	1.982	0.016
100	449	1.945	1.988	0.043
100	541	1.892	1.939	0.047
100	476	1.973	2.027	0.054
100	45	1.960	1.970	0.010
100	642	2.054	2.059	0.045
105	1036	1.967	2.035	0.068
105	1038	1.972	1.984	0.012
105	203	1.996	2.031	0.035
105	1029	1.943	1.947	0.004
105	1027	2.011	2.057	0.046
105	Max	2.062	2.059	0.068
105	Average	1.973	1.976	0.003
105	Min	1.892	1.915	-0.023
105	Std Dev	0.037	0.043	0.022



5.3_IDD_DIS_12V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	2.8
Min Limit	1

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.915	1.930	1.925	1.956	1.967	1.921	1.921	1.923	1.924	1.939	1.947
Average	1.935	1.955	1.939	1.982	1.982	1.968	1.978	1.968	2.002	2.005	2.011
Max	1.962	1.983	1.950	2.003	2.019	2.029	2.023	2.030	2.071	2.099	2.057
UL	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800

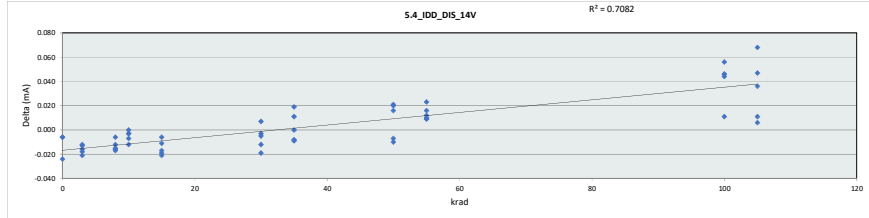


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

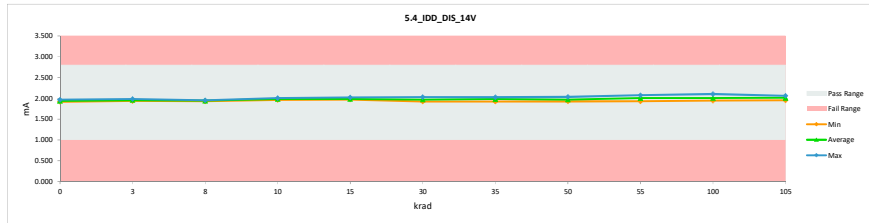
5.4_IDD_DIS_14V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	2.8 2.8
Min Limit	1 1

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	1.943	1.919	-0.024
0	726	1.973	1.967	-0.006
0	791	1.939	1.933	-0.006
3	689	1.972	1.960	-0.012
3	688	1.968	1.950	-0.018
3	700	1.977	1.964	-0.013
3	482	2.008	1.987	-0.021
3	1033	2.008	1.934	-0.074
8	442	1.964	1.947	-0.017
8	699	1.944	1.929	-0.015
8	344	1.968	1.952	-0.016
8	355	1.948	1.936	-0.012
8	730	1.961	1.955	-0.006
10	537	1.960	1.960	0.000
10	396	1.994	1.982	-0.012
10	521	1.986	1.979	-0.007
10	535	2.005	2.002	-0.003
10	526	2.010	2.007	-0.003
15	940	2.009	1.988	-0.021
15	387	1.995	1.976	-0.019
15	787	1.984	1.973	-0.011
15	1042	2.040	2.023	-0.017
15	483	1.979	1.973	-0.006
30	597	1.953	1.934	-0.019
30	853	2.038	2.033	-0.005
30	416	1.969	1.966	-0.003
30	949	1.937	1.925	-0.012
30	221	1.994	2.001	0.007
35	538	2.001	2.012	0.011
35	164	1.932	1.924	-0.008
35	1018	2.008	2.027	0.019
35	462	1.938	1.938	0.000
35	1032	2.019	2.010	-0.009
50	566	1.976	1.969	-0.007
50	197	1.981	1.971	-0.010
50	793	1.939	1.960	0.021
50	802	1.908	1.928	0.020
50	61	2.019	2.035	0.016
55	795	1.919	1.929	0.010
55	921	2.066	2.075	0.009
55	741	1.953	1.976	0.023
55	809	2.055	2.067	0.012
55	804	1.971	1.987	0.016
100	449	1.949	1.993	0.044
100	541	1.897	1.943	0.046
100	476	1.977	2.033	0.056
100	45	1.964	1.975	0.011
100	642	2.057	2.103	0.046
105	1036	1.971	2.039	0.068
105	1038	1.976	1.987	0.011
105	203	2.000	2.036	0.036
105	1029	1.947	1.953	0.006
105	1027	2.015	2.062	0.047
105	Max	2.066	2.103	0.037
105	Average	1.977	1.981	0.004
105	Min	1.897	1.919	-0.022
105	Std Dev	0.037	0.043	0.022



5.4_IDD_DIS_14V	
Test Site	
Tester	
Test Number	
Max Limit	2.8 mA
Min Limit	1 mA

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.919	1.934	1.929	1.960	1.973	1.925	1.924	1.928	1.929	1.943	1.953
Average	1.940	1.959	1.944	1.986	1.987	1.972	1.982	1.973	2.007	2.009	2.015
Max	1.967	1.987	1.955	2.007	2.023	2.033	2.027	2.035	2.075	2.103	2.062
UL	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800



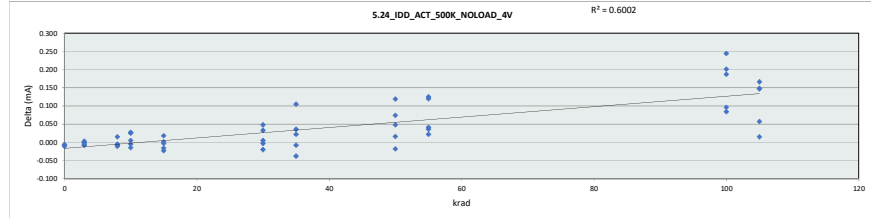


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

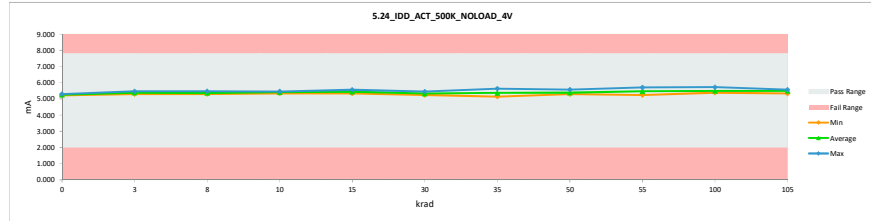
5.24_IDD_ACT_500K_NOLOAD_4V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
7.8	2
7.8	2

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	5.308	5.297	-0.011
0	726	5.285	5.277	-0.008
0	791	5.222	5.216	-0.006
3	689	5.402	5.402	0.000
3	688	5.355	5.348	-0.007
3	700	5.416	5.414	-0.002
3	482	5.477	5.469	-0.008
3	1033	5.296	5.299	0.003
8	442	5.312	5.307	-0.005
8	699	5.372	5.364	-0.008
8	344	5.481	5.470	-0.011
8	355	5.298	5.313	0.015
8	790	5.369	5.362	-0.007
10	537	5.318	5.345	0.027
10	396	5.441	5.426	-0.015
10	521	5.369	5.374	0.005
10	535	5.466	5.461	-0.005
10	526	5.415	5.440	0.025
15	940	5.412	5.389	-0.023
15	387	5.481	5.478	-0.003
15	787	5.472	5.456	-0.016
15	1042	5.557	5.558	0.001
15	483	5.317	5.335	0.018
30	597	5.267	5.247	-0.020
30	853	5.457	5.454	-0.003
30	416	5.244	5.277	0.033
30	949	5.242	5.247	0.005
30	221	5.365	5.413	0.048
35	538	5.384	5.420	0.036
35	164	5.120	5.142	0.022
35	1018	5.532	5.637	0.105
35	462	5.234	5.226	-0.008
35	1032	5.483	5.445	-0.038
50	566	5.419	5.401	-0.018
50	197	5.327	5.343	0.016
50	793	5.230	5.304	0.074
50	802	5.249	5.297	0.048
50	61	5.458	5.577	0.119
55	795	5.200	5.241	0.041
55	921	5.552	5.588	0.036
55	741	5.243	5.265	0.022
55	809	5.584	5.709	0.125
55	804	5.421	5.541	0.120
100	449	5.318	5.519	0.201
100	541	5.203	5.390	0.187
100	476	5.287	5.383	0.096
100	45	5.389	5.473	0.084
100	642	5.479	5.723	0.244
105	1036	5.387	5.553	0.166
105	1038	5.442	5.457	0.015
105	203	5.418	5.565	0.147
105	1029	5.271	5.328	0.057
105	1027	5.420	5.568	0.148
105	Max	5.584	5.723	0.244
105	Average	5.367	5.406	0.039
105	Min	5.120	5.142	-0.038
105	Std Dev	0.105	0.126	0.065



5.24_IDD_ACT_500K_NOLOAD	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
7.8	2
7.8	2

krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	5.216	5.299	5.307	5.345	5.335	5.247	5.142	5.297	5.241	5.383	5.328
Average	5.263	5.386	5.363	5.409	5.443	5.328	5.374	5.384	5.469	5.498	5.494
Max	5.297	5.469	5.470	5.461	5.558	5.454	5.637	5.577	5.709	5.723	5.568
UL	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800

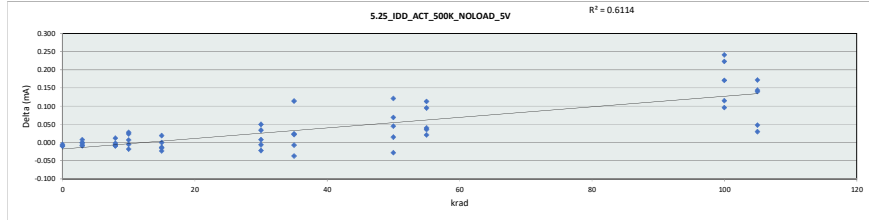


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

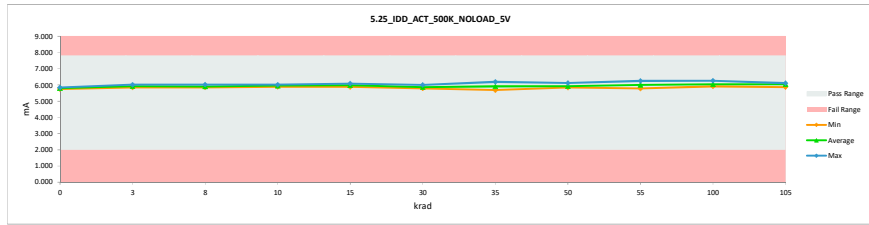
5.25_IDD_ACT_500K_NOLOAD_5V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
7.8	2
7.8	2

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	5.848	5.838	-0.010
0	726	5.825	5.820	-0.005
0	791	5.766	5.757	-0.009
3	689	5.946	5.945	-0.001
3	688	5.899	5.892	-0.007
3	700	5.954	5.954	0.000
3	482	6.028	6.019	-0.009
3	1033	5.878	5.850	0.008
8	442	5.856	5.854	-0.002
8	699	5.916	5.907	-0.009
8	344	6.029	6.022	-0.007
8	355	5.842	5.854	0.012
8	730	5.911	5.902	-0.009
10	537	5.960	5.888	0.028
10	396	5.991	5.973	-0.018
10	521	5.915	5.922	0.007
10	535	6.018	6.013	-0.005
10	526	5.962	5.986	0.024
15	940	5.958	5.935	-0.023
15	387	6.027	6.027	0.000
15	787	6.023	6.008	-0.015
15	1042	6.103	6.090	-0.013
15	483	5.861	5.880	0.019
30	597	5.811	5.789	-0.022
30	853	6.012	6.006	-0.006
30	416	5.789	5.823	0.034
30	949	5.785	5.793	0.008
30	221	5.908	5.958	0.050
35	538	5.930	5.954	0.024
35	164	5.662	5.684	0.022
35	1018	6.078	6.192	0.114
35	462	5.769	5.762	-0.007
35	1032	6.030	5.993	-0.037
50	566	5.967	5.939	-0.028
50	197	5.873	5.888	0.015
50	793	5.780	5.849	0.069
50	802	5.797	5.842	0.045
50	61	6.001	6.122	0.121
55	795	5.742	5.782	0.040
55	921	6.103	6.139	0.036
55	741	5.788	5.809	0.021
55	809	6.138	6.251	0.113
55	804	5.961	6.056	0.095
100	449	5.858	6.081	0.223
100	541	5.743	5.914	0.171
100	476	5.828	5.924	0.096
100	45	5.940	6.055	0.115
100	642	6.024	6.265	0.241
105	1036	5.934	6.106	0.172
105	1038	5.988	6.018	0.030
105	203	5.965	6.105	0.140
105	1029	5.819	5.867	0.048
105	1027	5.971	6.115	0.144
105	Max	6.138	6.265	0.241
105	Average	5.913	5.951	0.039
105	Min	5.662	5.684	-0.037
105	Std Dev	0.107	0.128	0.066



5.25_IDD_ACT_500K_NOLOAD	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
7.8	2
7.8	2

krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	5.757	5.850	5.854	5.888	5.880	5.789	5.684	5.842	5.782	5.914	5.867
Average	5.805	5.932	5.908	5.956	5.988	5.874	5.917	5.928	6.007	6.048	6.042
Max	5.838	6.019	6.022	6.013	6.090	6.006	6.192	6.122	6.251	6.265	6.115
UL	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800

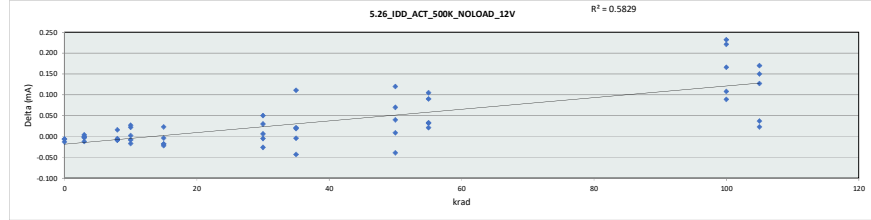


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

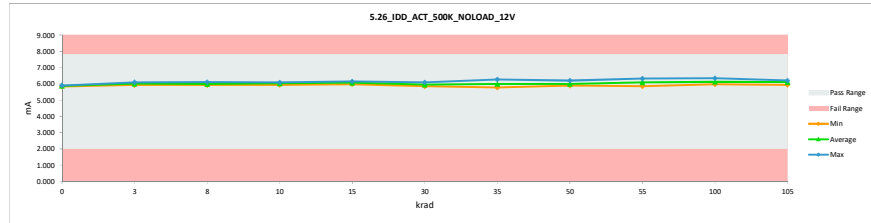
5.26_IDD_ACT_500K_NOLOAD_12V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	7.8
Min Limit	2

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	5.913	5.900	-0.013
0	726	5.907	5.901	-0.006
0	791	5.840	5.834	-0.006
3	689	6.017	6.017	0.000
3	688	5.976	5.973	-0.003
3	700	6.056	6.054	-0.002
3	482	6.111	6.099	-0.012
3	1033	5.928	5.933	0.004
8	442	5.943	5.935	-0.008
8	699	5.986	5.977	-0.009
8	344	6.112	6.104	-0.008
8	355	5.928	5.944	0.016
8	730	5.986	5.981	-0.005
10	537	5.913	5.940	0.027
10	396	6.057	6.040	-0.017
10	521	5.997	5.999	0.002
10	535	6.087	6.079	-0.008
10	526	6.065	6.087	0.022
15	940	6.042	6.020	-0.022
15	387	6.101	6.097	-0.004
15	787	6.118	6.100	-0.018
15	1042	6.169	6.151	-0.018
15	483	5.959	5.982	0.023
30	597	5.879	5.853	-0.026
30	853	6.094	6.089	-0.005
30	416	5.869	5.899	0.030
30	949	5.861	5.867	0.006
30	221	5.998	6.048	0.050
35	538	5.985	6.006	0.021
35	164	5.751	5.770	0.019
35	1018	6.166	6.277	0.111
35	462	5.852	5.848	-0.004
35	1032	6.122	6.079	-0.043
50	566	6.039	6.000	-0.039
50	197	5.967	5.976	0.009
50	793	5.870	5.940	0.070
50	802	5.849	5.889	0.040
50	61	6.080	6.200	0.120
55	795	5.821	5.854	0.033
55	921	6.198	6.230	0.032
55	741	5.874	5.895	0.021
55	809	6.218	6.323	0.105
55	804	6.037	6.127	0.090
100	449	5.925	6.146	0.221
100	541	5.812	5.978	0.166
100	476	5.911	6.000	0.089
100	45	6.021	6.129	0.108
100	642	6.118	6.350	0.232
105	1036	6.006	6.176	0.170
105	1038	6.067	6.090	0.023
105	203	6.052	6.179	0.127
105	1029	5.905	5.942	0.037
105	1027	6.053	6.203	0.150
105	Max	6.218	6.350	0.232
105	Average	5.993	6.028	0.036
105	Min	5.751	5.770	-0.043
105	Std Dev	0.109	0.129	0.065



5.26_IDD_ACT_500K_NOLOAD	
Test Site	
Tester	
Test Number	
Max Limit	7.8
Min Limit	2

krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	5.834	5.933	5.935	5.940	5.962	5.853	5.770	5.889	5.854	5.978	5.942
Average	5.878	6.015	5.988	6.029	6.070	5.951	5.996	6.001	6.086	6.121	6.118
Max	5.901	6.099	6.104	6.087	6.151	6.089	6.277	6.200	6.323	6.350	6.203
UL	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800

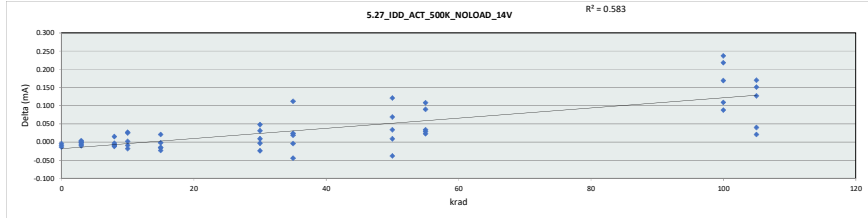


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

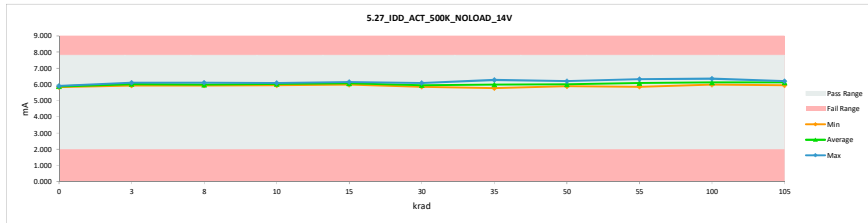
5.27_IDD_ACT_500K_NOLOAD_14V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
7.8	2
7.8	2

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	5.919	5.905	-0.014
0	726	5.915	5.906	-0.009
0	791	5.842	5.838	-0.004
3	689	6.020	6.021	0.001
3	688	5.981	5.975	-0.006
3	700	6.061	6.059	-0.002
3	482	6.116	6.106	-0.010
3	1033	5.932	5.936	0.004
8	442	5.944	5.941	-0.003
8	699	5.990	5.980	-0.010
8	344	6.119	6.107	-0.012
8	355	5.935	5.950	0.015
8	730	5.993	5.985	-0.008
10	537	5.945	5.945	0.027
10	396	6.061	6.043	-0.018
10	521	6.003	6.005	0.002
10	535	6.092	6.083	-0.009
10	526	6.068	6.093	0.025
15	940	6.045	6.022	-0.023
15	387	6.103	6.101	-0.002
15	787	6.124	6.109	-0.015
15	1042	6.171	6.155	-0.016
15	483	5.964	5.985	0.021
30	597	5.881	5.857	-0.024
30	853	6.097	6.094	-0.003
30	416	5.873	5.904	0.031
30	949	5.865	5.874	0.009
30	221	6.003	6.051	0.048
35	538	5.989	6.013	0.024
35	164	5.755	5.774	0.019
35	1018	6.167	6.279	0.112
35	462	5.854	5.850	-0.004
35	1032	6.126	6.082	-0.044
50	566	6.045	6.007	-0.038
50	197	5.971	5.980	0.009
50	793	5.874	5.943	0.069
50	802	5.857	5.891	0.034
50	61	6.082	6.203	0.121
55	795	5.826	5.860	0.034
55	921	6.200	6.229	0.029
55	741	5.877	5.900	0.023
55	809	6.222	6.330	0.108
55	804	6.042	6.132	0.090
100	449	5.930	6.148	0.218
100	541	5.817	5.986	0.169
100	476	5.914	6.002	0.088
100	45	6.024	6.133	0.109
100	642	6.119	6.356	0.237
105	1036	6.010	6.180	0.170
105	1038	6.075	6.096	0.021
105	203	6.057	6.184	0.127
105	1029	5.910	5.950	0.040
105	1027	6.055	6.206	0.151
105	Max	6.222	6.356	0.237
105	Average	5.997	6.033	0.036
105	Min	5.755	5.774	-0.044
105	Std Dev	0.108	0.129	0.065



5.27_IDD_ACT_500K_NOLOAD	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
7.8	2
7.8	2

krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	5.838	5.936	5.941	5.945	5.985	5.857	5.774	5.891	5.860	5.986	5.950
Average	5.883	6.019	5.993	6.034	6.074	5.956	6.000	6.005	6.090	6.125	6.123
Max	5.906	6.106	6.107	6.093	6.155	6.094	6.279	6.203	6.330	6.356	6.206
UL	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800	7.800

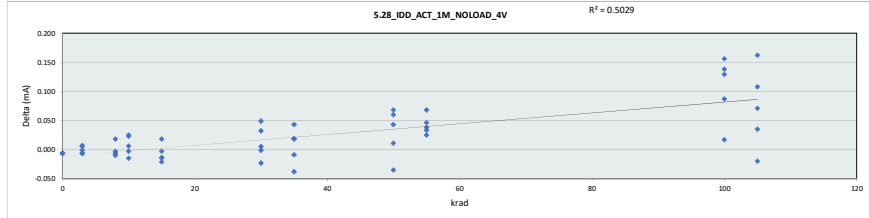


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

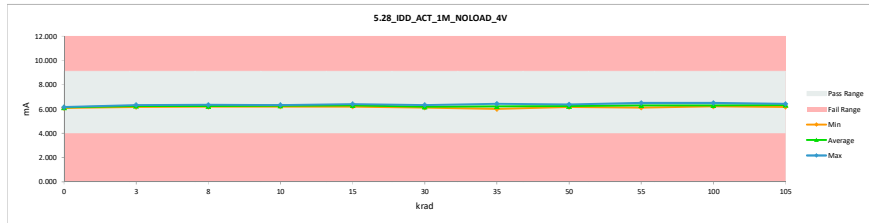
5.28_IDD_ACT_1M_NOLOAD_4V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.1
Min Limit	4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	6.167	6.160	-0.007
0	726	6.155	6.149	-0.006
0	791	6.090	6.084	-0.006
3	689	6.263	6.268	0.005
3	688	6.222	6.215	-0.007
3	700	6.272	6.271	-0.001
3	482	6.342	6.336	-0.006
3	1033	6.389	6.168	0.007
8	442	6.190	6.187	-0.003
8	699	6.234	6.226	-0.008
8	344	6.353	6.343	-0.010
8	355	6.163	6.181	0.018
8	790	6.228	6.222	-0.006
10	537	6.184	6.207	0.023
10	396	6.318	6.303	-0.015
10	521	6.243	6.249	0.006
10	535	6.338	6.335	-0.003
10	526	6.282	6.307	0.025
15	940	6.273	6.252	-0.021
15	387	6.252	6.349	-0.003
15	787	6.336	6.322	-0.014
15	1042	6.422	6.408	-0.014
15	483	6.184	6.202	0.018
30	597	6.134	6.111	-0.023
30	853	6.330	6.329	-0.001
30	416	6.112	6.144	0.032
30	949	6.109	6.114	0.005
30	221	6.233	6.282	0.049
35	538	6.252	6.270	0.018
35	164	5.982	6.001	0.019
35	1018	6.389	6.432	0.043
35	462	6.096	6.087	-0.009
35	1032	6.345	6.307	-0.038
50	566	6.290	6.255	-0.035
50	197	6.198	6.209	0.011
50	793	6.112	6.180	0.068
50	802	6.126	6.169	0.043
50	61	6.319	6.379	0.060
55	795	6.068	6.106	0.038
55	921	6.416	6.449	0.033
55	741	6.111	6.136	0.025
55	809	6.449	6.495	0.046
55	804	6.280	6.348	0.068
100	449	6.177	6.306	0.129
100	541	6.071	6.209	0.138
100	476	6.154	6.241	0.087
100	45	6.259	6.276	0.017
100	642	6.339	6.495	0.156
105	1036	6.253	6.415	0.162
105	1038	6.308	6.288	-0.020
105	203	6.286	6.394	0.108
105	1029	6.141	6.176	0.035
105	1027	6.290	6.361	0.071
105	Max	6.449	6.495	0.162
105	Average	6.234	6.259	0.025
105	Min	5.982	6.001	-0.038
105	Std Dev	0.104	0.109	0.047



5.28_IDD_ACT_1M_NOLOAD_4	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.1
Min Limit	4

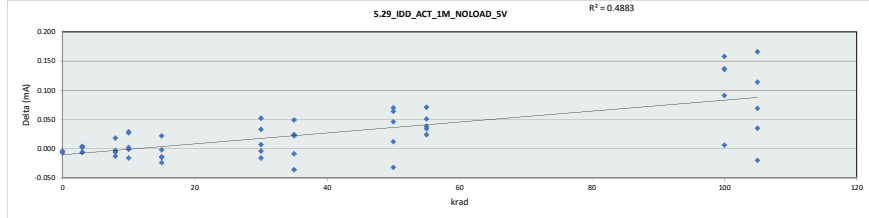
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	6.084	6.168	6.181	6.207	6.202	6.111	6.001	6.169	6.106	6.209	6.176
Average	6.111	6.252	6.232	6.280	6.307	6.196	6.219	6.238	6.307	6.305	6.327
Max	6.160	6.336	6.343	6.335	6.408	6.329	6.432	6.379	6.495	6.495	6.415
UL	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100



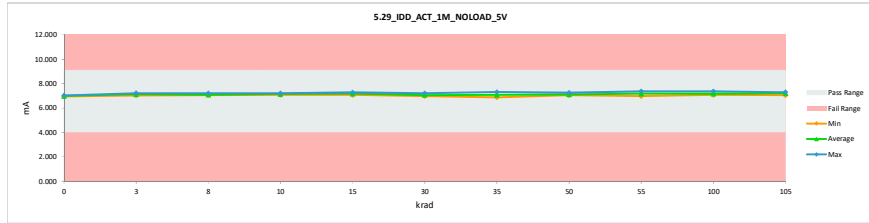
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.29_IDD_ACT_1M_NOLOAD_5V				
Test Site	Tester	Test Number	Unit	Max Limit
			mA	9.1
			mA	9.1
				4
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	7.028	7.023	-0.005
0	726	7.021	7.014	-0.007
0	791	6.953	6.949	-0.004
3	689	7.128	7.130	0.002
3	688	7.087	7.081	-0.006
3	700	7.127	7.130	0.003
3	482	7.221	7.215	-0.006
3	1033	7.034	7.035	0.004
8	442	7.062	7.059	-0.003
8	699	7.094	7.088	-0.006
8	344	7.223	7.210	-0.013
8	355	7.025	7.043	0.018
8	730	7.089	7.085	-0.004
10	537	7.044	7.073	0.029
10	396	7.191	7.175	-0.016
10	521	7.120	7.122	0.002
10	535	7.209	7.208	-0.001
10	526	7.150	7.177	0.027
15	940	7.140	7.116	-0.024
15	387	7.224	7.222	-0.002
15	787	7.208	7.193	-0.015
15	1042	7.288	7.274	-0.014
15	483	7.049	7.071	0.022
30	597	6.995	6.979	-0.016
30	853	7.210	7.206	-0.004
30	416	6.979	7.012	0.033
30	949	6.978	6.985	0.007
30	221	7.099	7.151	0.052
35	538	7.123	7.145	0.022
35	164	6.841	6.865	0.024
35	1018	7.254	7.303	0.049
35	462	6.955	6.946	-0.009
35	1032	7.210	7.174	-0.036
50	566	7.160	7.128	-0.032
50	197	7.067	7.079	0.012
50	793	6.987	7.057	0.070
50	802	6.999	7.045	0.046
50	61	7.182	7.246	0.064
55	795	6.930	6.968	0.038
55	921	7.287	7.321	0.034
55	741	6.976	7.000	0.024
55	809	7.324	7.375	0.051
55	804	7.144	7.215	0.071
100	449	7.036	7.173	0.137
100	541	6.941	7.077	0.136
100	476	7.019	7.110	0.091
100	45	7.131	7.137	0.006
100	642	7.203	7.361	0.158
105	1036	7.126	7.292	0.166
105	1038	7.176	7.156	-0.020
105	203	7.157	7.271	0.114
105	1029	7.010	7.045	0.035
105	1027	7.165	7.234	0.069
105	Max	7.324	7.375	0.166
105	Average	7.101	7.127	0.026
105	Min	6.841	6.865	-0.036
105	Std Dev	0.106	0.112	0.048



5.29_IDD_ACT_1M_NOLOAD_5																
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit											
			mA	9.1	4											
krad	LL	Min	Average	Max	UL	0	3	8	10	15	30	35	50	55	100	105
	4.000	6.949	6.995	7.023	9.100	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
		6.995	7.118	7.215	9.100	7.043	7.097	7.151	7.208	7.274	7.206	7.303	7.246	7.375	7.361	7.292
		7.023	7.215	7.210	9.100	7.073	7.175	7.208	7.274	7.206	7.303	7.246	7.375	7.361	7.292	7.292
		9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100

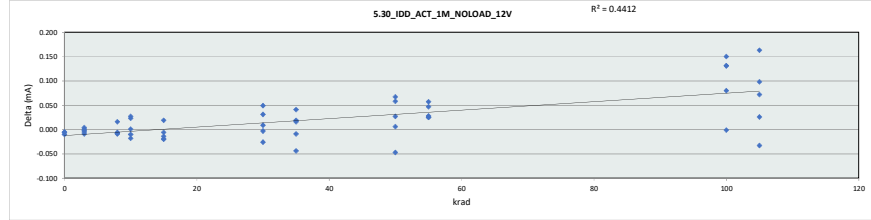


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

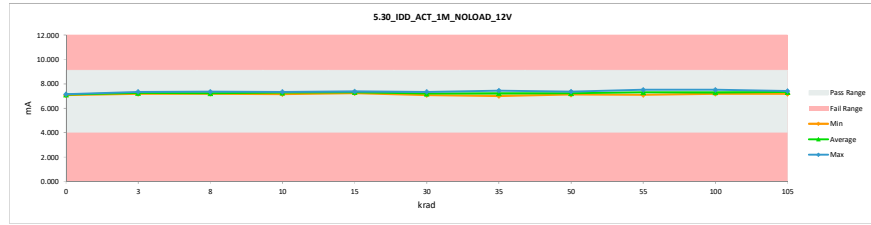
5.30_IDD_ACT_1M_NOLOAD_12V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.1
Min Limit	4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	7.138	7.128	-0.010
0	726	7.155	7.149	-0.006
0	791	7.081	7.076	-0.005
3	689	7.250	7.251	0.001
3	688	7.218	7.213	-0.005
3	700	7.301	7.299	-0.002
3	482	7.357	7.348	-0.009
3	1033	7.195	7.179	0.004
8	442	7.206	7.197	-0.009
8	699	7.216	7.210	-0.006
8	344	7.363	7.355	-0.008
8	355	7.177	7.193	0.016
8	790	7.220	7.212	-0.008
10	537	7.139	7.165	0.027
10	396	7.307	7.289	-0.018
10	521	7.258	7.259	0.001
10	535	7.332	7.322	-0.010
10	526	7.321	7.344	0.023
15	940	7.278	7.258	-0.020
15	387	7.352	7.346	-0.006
15	787	7.368	7.354	-0.014
15	1042	7.395	7.376	-0.019
15	483	7.212	7.231	0.019
30	597	7.112	7.086	-0.026
30	853	7.350	7.347	-0.003
30	416	7.113	7.144	0.031
30	949	7.105	7.114	0.009
30	221	7.248	7.297	0.049
35	538	7.219	7.238	0.019
35	164	6.992	7.008	0.016
35	1018	7.401	7.442	0.041
35	462	7.095	7.086	-0.009
35	1032	7.367	7.323	-0.044
50	566	7.282	7.235	-0.047
50	197	7.224	7.230	0.006
50	793	7.136	7.203	0.067
50	802	7.095	7.122	0.027
50	61	7.311	7.369	0.058
55	795	7.068	7.096	0.028
55	921	7.444	7.469	0.025
55	741	7.124	7.149	0.025
55	809	7.462	7.509	0.047
55	804	7.275	7.332	0.057
100	449	7.146	7.277	0.131
100	541	7.061	7.192	0.131
100	476	7.159	7.239	0.080
100	45	7.264	7.263	-0.001
100	642	7.356	7.506	0.150
105	1036	7.246	7.409	0.163
105	1038	7.312	7.279	-0.033
105	203	7.306	7.404	0.098
105	1029	7.155	7.181	0.026
105	1027	7.307	7.379	0.072
105	Max	7.462	7.509	0.163
105	Average	7.237	7.258	0.021
105	Min	6.992	7.008	-0.047
105	Std Dev	0.109	0.114	0.047



5.30_IDD_ACT_1M_NOLOAD_1	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.1
Min Limit	4

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	7.076	7.179	7.193	7.165	7.231	7.086	7.008	7.122	7.096	7.192	7.181
Average	7.118	7.258	7.233	7.276	7.313	7.198	7.219	7.232	7.311	7.295	7.330
Max	7.149	7.348	7.355	7.344	7.376	7.347	7.442	7.369	7.509	7.506	7.409
UL	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100

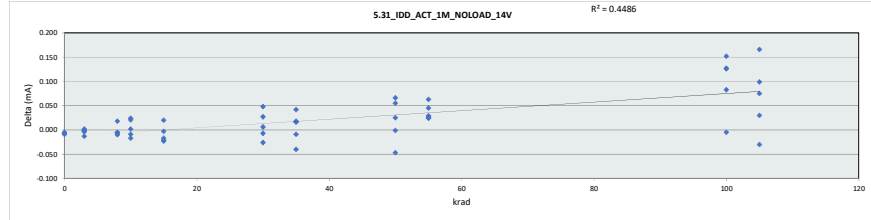


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

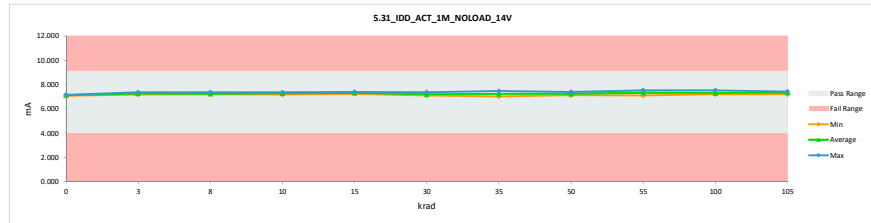
5.31_IDD_ACT_1M_NOLOAD_14V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.1
Min Limit	4

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	7.140	7.133	-0.007
0	726	7.161	7.152	-0.009
0	791	7.086	7.081	-0.005
3	689	7.254	7.254	0.000
3	688	7.224	7.220	-0.004
3	700	7.303	7.301	-0.002
3	482	7.365	7.352	-0.013
3	1033	7.180	7.182	0.002
8	442	7.209	7.203	-0.006
8	699	7.220	7.215	-0.005
8	344	7.368	7.358	-0.010
8	355	7.182	7.200	0.018
8	790	7.224	7.218	-0.006
10	537	7.143	7.167	0.024
10	396	7.311	7.294	-0.017
10	521	7.261	7.263	0.002
10	535	7.336	7.327	-0.009
10	526	7.328	7.349	0.021
15	940	7.287	7.264	-0.023
15	387	7.254	7.351	0.097
15	787	7.374	7.357	-0.017
15	1042	7.400	7.379	-0.021
15	483	7.219	7.239	0.020
30	597	7.116	7.090	-0.026
30	853	7.358	7.351	-0.007
30	416	7.119	7.146	0.027
30	949	7.112	7.118	0.006
30	221	7.254	7.302	0.048
35	538	7.225	7.243	0.018
35	164	6.996	7.012	0.016
35	1018	7.406	7.448	0.042
35	462	7.099	7.090	-0.009
35	1032	7.369	7.329	-0.040
50	566	7.285	7.238	-0.047
50	197	7.230	7.229	-0.001
50	793	7.142	7.208	0.066
50	802	7.100	7.125	0.025
50	61	7.318	7.373	0.055
55	795	7.069	7.098	0.029
55	921	7.450	7.475	0.025
55	741	7.129	7.153	0.024
55	809	7.467	7.512	0.045
55	804	7.278	7.341	0.063
100	449	7.152	7.279	0.127
100	541	7.067	7.193	0.126
100	476	7.161	7.244	0.083
100	45	7.269	7.264	-0.005
100	642	7.361	7.513	0.152
105	1036	7.250	7.416	0.166
105	1038	7.314	7.284	-0.030
105	203	7.310	7.409	0.099
105	1029	7.159	7.189	0.030
105	1027	7.310	7.385	0.075
105	Max	7.467	7.513	0.166
105	Average	7.242	7.263	0.021
105	Min	6.996	7.012	-0.047
105	Std Dev	0.109	0.114	0.047



5.31_IDD_ACT_1M_NOLOAD_1	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.1
Min Limit	4

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	7.081	7.182	7.200	7.167	7.239	7.090	7.012	7.125	7.098	7.193	7.189
Average	7.122	7.262	7.239	7.280	7.318	7.201	7.224	7.235	7.316	7.299	7.337
Max	7.152	7.352	7.358	7.349	7.379	7.351	7.448	7.373	7.512	7.513	7.416
UL	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100	9.100



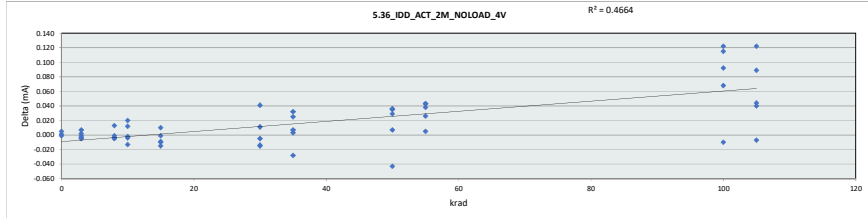


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

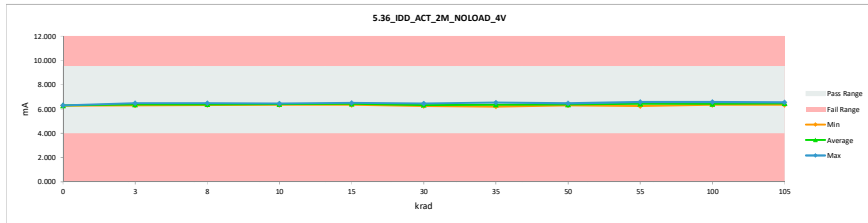
5.36_IDD_ACT_2M_NOLOAD_4V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.5
Min Limit	4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	6.291	6.296	0.005
0	726	6.304	6.303	-0.001
0	791	6.267	6.268	0.001
3	689	6.369	6.376	0.007
3	688	6.358	6.353	-0.005
3	700	6.360	6.362	0.002
3	482	6.483	6.480	-0.003
3	1033	6.493	6.299	-0.001
8	442	6.330	6.329	-0.001
8	699	6.348	6.343	-0.005
8	344	6.476	6.472	-0.004
8	355	6.321	6.334	0.013
8	790	6.417	6.413	-0.004
10	537	6.332	6.344	0.012
10	396	6.446	6.433	-0.013
10	521	6.367	6.365	-0.002
10	535	6.452	6.448	-0.004
10	526	6.395	6.415	0.020
15	940	6.379	6.364	-0.015
15	387	6.476	6.475	-0.001
15	787	6.472	6.463	-0.009
15	1042	6.507	6.497	-0.010
15	483	6.332	6.342	0.010
30	597	6.266	6.252	-0.014
30	853	6.458	6.443	-0.015
30	416	6.292	6.303	0.011
30	949	6.284	6.279	-0.005
30	221	6.347	6.388	0.041
35	538	6.380	6.387	0.007
35	164	6.177	6.202	0.025
35	1018	6.493	6.525	0.032
35	462	6.248	6.251	0.003
35	1032	6.438	6.410	-0.028
50	566	6.409	6.366	-0.043
50	197	6.364	6.371	0.007
50	793	6.292	6.328	0.036
50	802	6.277	6.306	0.029
50	61	6.429	6.464	0.035
55	795	6.206	6.244	0.038
55	921	6.544	6.570	0.026
55	741	6.274	6.279	0.005
55	809	6.519	6.562	0.043
55	804	6.417	6.460	0.043
100	449	6.335	6.427	0.092
100	541	6.226	6.341	0.115
100	476	6.283	6.351	0.068
100	45	6.417	6.407	-0.010
100	642	6.452	6.574	0.122
105	1036	6.423	6.545	0.122
105	1038	6.387	6.380	-0.007
105	203	6.450	6.539	0.089
105	1029	6.300	6.340	0.040
105	1027	6.488	6.462	-0.044
105	Max	6.544	6.574	0.122
105	Average	6.370	6.387	0.018
105	Min	6.177	6.202	-0.043
105	Std Dev	0.086	0.091	0.036



5.36_IDD_ACT_2M_NOLOAD_4	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	9.5
Min Limit	4

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	6.268	6.299	6.329	6.344	6.342	6.252	6.202	6.306	6.244	6.341	6.340
Average	6.289	6.374	6.378	6.401	6.428	6.333	6.355	6.367	6.423	6.420	6.453
Max	6.303	6.480	6.472	6.448	6.497	6.443	6.525	6.464	6.570	6.574	6.545
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500	9.500	9.500	9.500	9.500

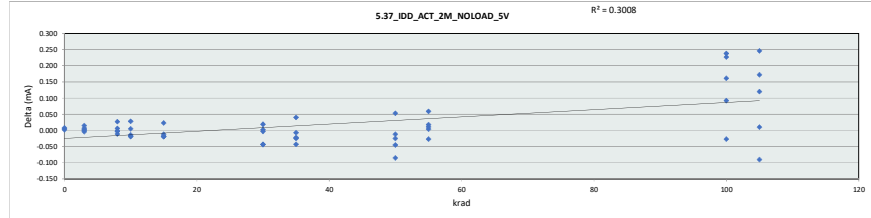


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

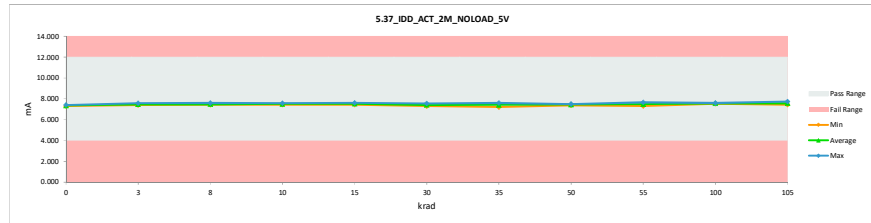
5.37_IDD_ACT_2M_NOLOAD_5V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	12 12
Min Limit	4 4

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	7.374	7.382	0.008
0	726	7.410	7.415	0.005
0	791	7.312	7.314	0.002
3	689	7.455	7.470	0.015
3	688	7.476	7.479	0.003
3	700	7.435	7.435	0.000
3	482	7.584	7.580	-0.004
3	1033	7.401	7.401	0.007
8	442	7.484	7.481	-0.003
8	699	7.470	7.468	-0.002
8	344	7.612	7.601	-0.011
8	355	7.405	7.432	0.027
8	730	7.446	7.452	0.006
10	537	7.424	7.452	0.028
10	396	7.606	7.587	-0.019
10	521	7.490	7.476	-0.014
10	535	7.573	7.555	-0.018
10	526	7.517	7.522	0.005
15	940	7.487	7.469	-0.018
15	387	7.636	7.617	-0.019
15	787	7.608	7.596	-0.012
15	1042	7.574	7.555	-0.019
15	483	7.427	7.450	0.023
30	597	7.348	7.305	-0.043
30	853	7.604	7.560	-0.044
30	416	7.354	7.373	0.019
30	949	7.360	7.357	-0.003
30	221	7.493	7.495	0.002
35	538	7.513	7.491	-0.022
35	164	7.173	7.213	0.040
35	1018	7.611	7.604	-0.007
35	462	7.332	7.307	-0.025
35	1032	7.526	7.483	-0.043
50	566	7.551	7.466	-0.085
50	197	7.477	7.465	-0.012
50	793	7.402	7.455	0.053
50	802	7.415	7.390	-0.025
50	61	7.544	7.499	-0.045
55	795	7.311	7.315	0.004
55	921	7.644	7.662	0.018
55	741	7.346	7.319	-0.027
55	809	7.571	7.582	0.011
55	804	7.499	7.558	0.059
100	449	7.364	7.602	0.238
100	541	7.318	7.545	0.227
100	476	7.400	7.561	0.161
100	45	7.503	7.595	0.092
100	642	7.565	7.538	-0.027
105	1036	7.498	7.744	0.246
105	1038	7.439	7.449	0.010
105	203	7.556	7.728	0.172
105	1029	7.372	7.492	0.120
105	1027	7.552	7.462	-0.090
105	Max	7.644	7.744	0.246
	Average	7.469	7.487	0.018
	Min	7.173	7.213	-0.090
	Std Dev	0.102	0.108	0.072



5.37_IDD_ACT_2M_NOLOAD_5	
Test Site	
Tester	
Test Number	
Max Limit	12 mA
Min Limit	4 mA

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	7.314	7.401	7.432	7.452	7.450	7.305	7.213	7.390	7.315	7.538	7.449
Average	7.370	7.473	7.487	7.518	7.537	7.418	7.420	7.455	7.487	7.568	7.575
Max	7.415	7.580	7.601	7.587	7.617	7.560	7.604	7.499	7.662	7.602	7.744
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000

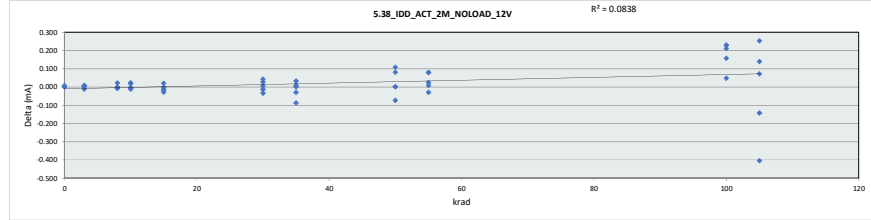


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

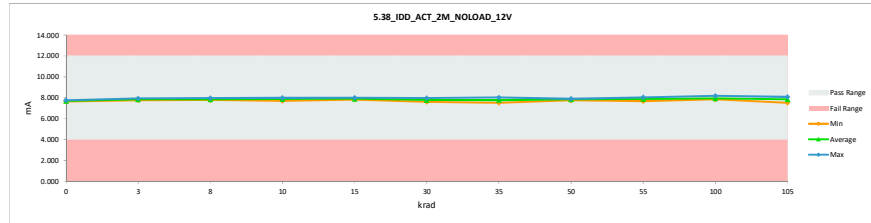
5.38_IDD_ACT_2M_NOLOAD_12V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	12
Min Limit	4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	7.670	7.678	0.008
0	726	7.767	7.769	0.002
0	791	7.641	7.642	0.001
3	689	7.813	7.822	0.009
3	688	7.819	7.823	0.004
3	700	7.915	7.921	0.006
3	482	7.941	7.930	-0.011
3	1033	7.770	7.770	0.003
8	442	7.849	7.847	-0.002
8	699	7.798	7.792	-0.006
8	344	7.973	7.966	-0.007
8	355	7.797	7.820	0.023
8	790	7.790	7.790	0.000
10	537	7.686	7.708	0.019
10	396	7.912	7.901	-0.011
10	521	7.882	7.880	-0.002
10	535	7.927	7.919	-0.008
10	526	7.962	7.986	0.024
15	940	7.851	7.833	-0.018
15	387	7.971	7.970	-0.001
15	787	8.012	8.001	-0.011
15	1042	7.937	7.909	-0.028
15	483	7.843	7.864	0.021
30	597	7.653	7.620	-0.033
30	853	7.985	7.973	-0.012
30	416	7.704	7.747	0.043
30	949	7.701	7.728	0.027
30	221	7.873	7.879	0.006
35	538	7.769	7.778	0.009
35	164	7.551	7.522	-0.029
35	1018	7.990	8.023	0.033
35	462	7.705	7.706	0.001
35	1032	7.955	7.868	-0.087
50	566	7.885	7.812	-0.073
50	197	7.879	7.881	0.002
50	793	7.791	7.900	0.109
50	802	7.675	7.756	0.081
50	61	7.884	7.886	0.002
55	795	7.663	7.688	0.025
55	921	8.042	8.051	0.009
55	741	7.723	7.803	0.080
55	809	8.021	7.992	-0.029
55	804	7.836	7.916	0.080
100	449	7.661	7.891	0.230
100	541	7.646	7.857	0.211
100	476	7.761	7.919	0.158
100	45	7.853	7.902	0.049
100	642	7.956	8.185	0.229
105	1036	7.818	8.071	0.253
105	1038	7.872	7.730	-0.142
105	203	7.947	8.087	0.140
105	1029	7.751	7.824	0.073
105	1027	7.936	7.532	-0.404
105	Max	8.042	8.185	0.253
105	Average	7.830	7.850	0.020
105	Min	7.551	7.522	-0.404
105	Std Dev	0.119	0.133	0.096



5.38_IDD_ACT_2M_NOLOAD_1	
Test Site	
Tester	
Test Number	
Max Limit	12
Min Limit	4

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	7.642	7.770	7.790	7.708	7.833	7.620	7.522	7.756	7.688	7.857	7.532
Average	7.696	7.853	7.843	7.879	7.915	7.789	7.779	7.847	7.890	7.951	7.849
Max	7.769	7.930	7.966	7.986	8.001	7.973	8.023	7.900	8.051	8.185	8.087
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000

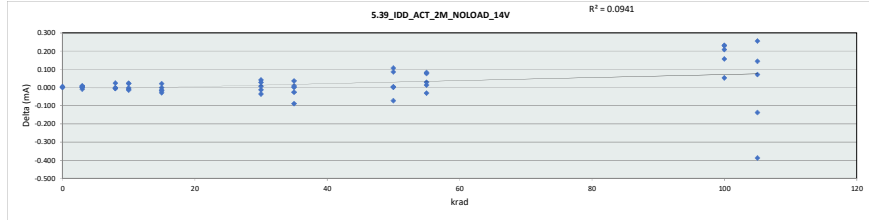


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

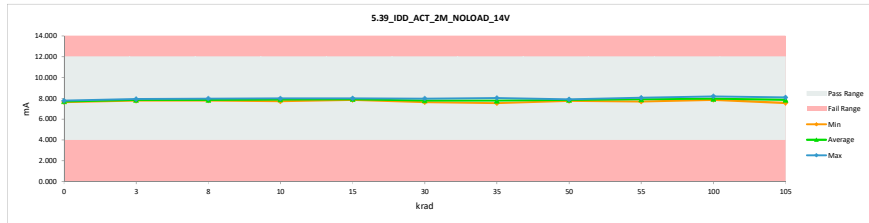
5.39_IDD_ACT_2M_NOLOAD_14V	
Test Site	Tester
Test Number	
Unit	mA
Max Limit	12
Min Limit	4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	7.674	7.679	0.005
0	726	7.773	7.774	0.001
0	791	7.648	7.648	0.000
3	689	7.815	7.824	0.009
3	688	7.825	7.826	0.001
3	700	7.920	7.924	0.004
3	482	7.943	7.934	-0.009
3	1033	7.992	7.772	0.001
8	442	7.853	7.849	-0.004
8	699	7.801	7.797	-0.004
8	344	7.978	7.972	-0.006
8	355	7.801	7.825	0.024
8	790	7.795	7.794	-0.001
10	437	7.691	7.713	0.022
10	396	7.913	7.903	-0.010
10	521	7.887	7.885	-0.002
10	535	7.934	7.920	-0.014
10	526	7.964	7.986	0.022
15	940	7.854	7.836	-0.018
15	387	7.976	7.975	-0.001
15	787	8.017	8.003	-0.014
15	1042	7.941	7.912	-0.029
15	483	7.846	7.867	0.021
30	597	7.659	7.623	-0.036
30	853	7.992	7.979	-0.013
30	416	7.710	7.751	0.041
30	949	7.706	7.734	0.028
30	221	7.877	7.884	0.007
35	538	7.775	7.783	0.008
35	164	7.553	7.527	-0.026
35	1018	7.992	8.028	0.036
35	462	7.710	7.711	0.001
35	1032	7.960	7.871	-0.089
50	566	7.890	7.817	-0.073
50	197	7.882	7.883	0.001
50	793	7.798	7.905	0.107
50	802	7.677	7.762	0.085
50	61	7.888	7.892	0.004
55	795	7.665	7.694	0.029
55	921	8.043	8.056	0.013
55	741	7.727	7.804	0.077
55	809	8.026	7.995	-0.031
55	804	7.839	7.921	0.082
100	449	7.667	7.896	0.229
100	541	7.651	7.859	0.208
100	476	7.764	7.921	0.157
100	45	7.858	7.911	0.053
100	642	7.958	8.190	0.232
105	1036	7.820	8.075	0.255
105	1038	7.875	7.737	-0.138
105	203	7.948	8.092	0.144
105	1029	7.757	7.828	0.071
105	1027	7.939	7.551	-0.388
105	Max	8.043	8.190	0.255
105	Average	7.834	7.855	0.020
105	Min	7.553	7.527	-0.388
105	Std Dev	0.119	0.132	0.095



5.39_IDD_ACT_2M_NOLOAD_1	
Test Site	Tester
Test Number	
Unit	mA
Max Limit	12
Min Limit	4

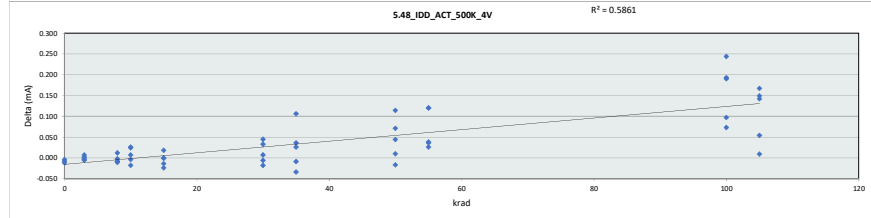
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	7.648	7.772	7.794	7.713	7.836	7.623	7.527	7.762	7.694	7.859	7.551
Average	7.700	7.856	7.847	7.881	7.919	7.794	7.784	7.852	7.894	7.955	7.857
Max	7.774	7.934	7.972	7.986	8.003	7.979	8.028	7.905	8.056	8.190	8.092
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000



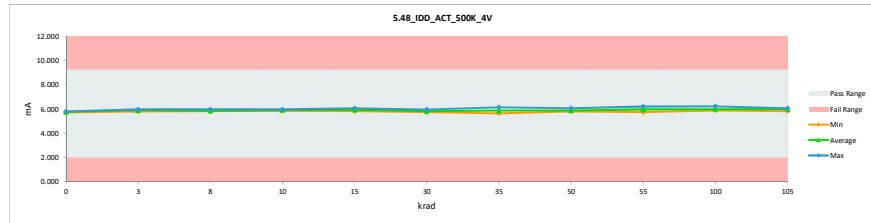
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.48_IDD_ACT_500K_4V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	5.803	5.791	-0.012
0	726	5.780	5.776	-0.004
0	791	5.725	5.717	-0.008
3	689	5.898	5.900	0.002
3	688	5.853	5.848	-0.005
3	700	5.907	5.907	0.000
3	482	5.977	5.972	-0.005
3	1033	5.795	5.802	0.007
8	442	5.812	5.810	-0.002
8	699	5.870	5.862	-0.008
8	344	5.980	5.971	-0.009
8	355	5.798	5.810	0.012
8	730	5.864	5.853	-0.011
10	437	5.933	5.839	-0.094
10	396	5.943	5.925	-0.018
10	521	5.872	5.879	0.007
10	535	5.969	5.965	-0.004
10	526	5.914	5.938	0.024
15	940	5.911	5.887	-0.024
15	387	5.979	5.978	-0.001
15	787	5.969	5.955	-0.014
15	1042	6.054	6.054	0.000
15	483	5.817	5.835	0.018
30	597	5.764	5.746	-0.018
30	853	5.961	5.955	-0.006
30	416	5.744	5.777	0.033
30	949	5.740	5.747	0.007
30	221	5.863	5.908	0.045
35	538	5.885	5.921	0.036
35	164	5.618	5.644	0.026
35	1018	6.024	6.130	0.106
35	462	5.728	5.719	-0.009
35	1032	5.979	5.945	-0.034
50	566	5.919	5.902	-0.017
50	197	5.831	5.841	0.010
50	793	5.738	5.809	0.071
50	802	5.753	5.797	0.044
50	61	5.956	6.070	0.114
55	795	5.702	5.738	0.036
55	921	6.047	6.085	0.038
55	741	5.743	5.769	0.026
55	809	6.086	6.206	0.120
55	804	5.913	6.033	0.120
100	449	5.811	6.004	0.193
100	541	5.699	5.889	0.190
100	476	5.785	5.882	0.097
100	45	5.893	5.966	0.073
100	642	5.977	6.221	0.244
105	1036	5.890	6.057	0.167
105	1038	5.944	5.953	0.009
105	203	5.919	6.068	0.149
105	1029	5.776	5.830	0.054
105	1027	5.923	6.065	0.142
105	Max	6.086	6.221	0.244
105	Average	5.866	5.905	0.038
105	Min	5.618	5.644	-0.034
105	Std Dev	0.104	0.125	0.065



5.48_IDD_ACT_500K_4V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	5.717	5.802	5.810	5.839	5.835	5.746	5.644	5.797	5.738	5.882	5.830
Average	5.761	5.886	5.861	5.909	5.942	5.827	5.872	5.884	5.966	5.992	5.995
Max	5.791	5.972	5.971	5.965	6.054	5.955	6.130	6.070	6.206	6.221	6.068
UL	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200

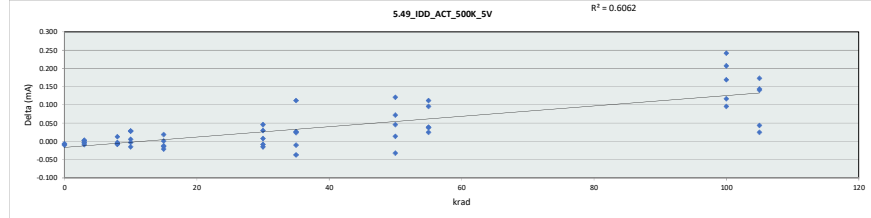


HDR TID Report  
TPS7H5004-SP QMLP

krad (SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

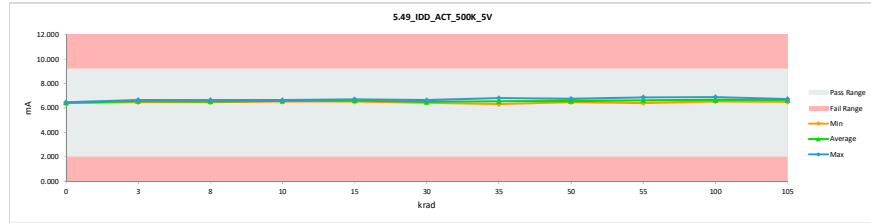
5.49_IDD_ACT_500K_SV	
Test Site	Tester
Test Number	
Unit	mA
Max Limit	9.2
Min Limit	2

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	6.471	6.461	-0.010
0	726	6.456	6.448	-0.008
0	791	6.395	6.389	-0.006
3	689	6.575	6.573	-0.002
3	688	6.529	6.525	-0.004
3	700	6.574	6.577	0.003
3	482	6.665	6.656	-0.009
3	1033	6.701	6.477	0.003
8	442	6.493	6.488	-0.005
8	699	6.541	6.538	-0.003
8	344	6.658	6.650	-0.008
8	355	6.469	6.482	0.013
8	730	6.534	6.527	-0.007
10	637	6.485	6.514	0.029
10	396	6.623	6.608	-0.015
10	521	6.555	6.561	0.006
10	535	6.651	6.648	-0.003
10	526	6.588	6.616	0.028
15	940	6.583	6.562	-0.021
15	387	6.658	6.659	0.001
15	787	6.649	6.635	-0.014
15	1042	6.726	6.714	-0.012
15	483	6.494	6.513	0.019
30	597	6.437	6.422	-0.015
30	853	6.648	6.640	-0.008
30	416	6.422	6.452	0.030
30	949	6.415	6.423	0.008
30	221	6.539	6.585	0.046
35	538	6.565	6.589	0.024
35	164	6.287	6.314	0.027
35	1018	6.701	6.813	0.112
35	462	6.391	6.381	-0.010
35	1032	6.655	6.618	-0.037
50	566	6.599	6.567	-0.032
50	197	6.509	6.523	0.014
50	793	6.416	6.488	0.072
50	802	6.431	6.477	0.046
50	61	6.631	6.752	0.121
55	795	6.370	6.409	0.039
55	921	6.726	6.764	0.038
55	741	6.419	6.444	0.025
55	809	6.766	6.878	0.112
55	804	6.587	6.683	0.096
100	449	6.481	6.688	0.207
100	541	6.373	6.542	0.169
100	476	6.460	6.556	0.096
100	45	6.573	6.690	0.117
100	642	6.650	6.892	0.242
105	1036	6.568	6.741	0.173
105	1038	6.619	6.644	0.025
105	203	6.599	6.740	0.141
105	1029	6.454	6.498	0.044
105	1027	6.601	6.745	0.144
105	Max	6.766	6.892	0.242
105	Average	6.542	6.581	0.039
105	Min	6.287	6.314	-0.037
105	Std Dev	0.106	0.127	0.065



5.49_IDD_ACT_500K_SV	
Test Site	Tester
Test Number	
Unit	mA
Max Limit	9.2
Min Limit	2

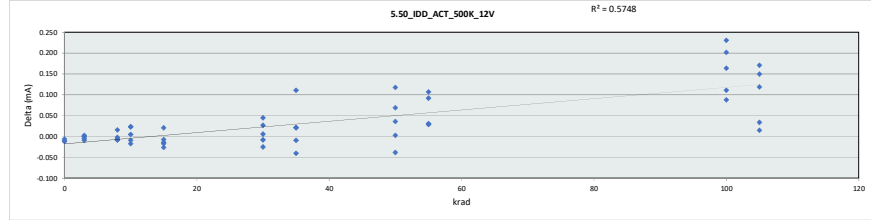
krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	6.389	6.477	6.482	6.514	6.513	6.422	6.314	6.477	6.409	6.542	6.498
Average	6.433	6.562	6.537	6.589	6.617	6.504	6.543	6.561	6.636	6.674	6.674
Max	6.461	6.656	6.650	6.648	6.714	6.640	6.813	6.752	6.878	6.892	6.745
UL	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200



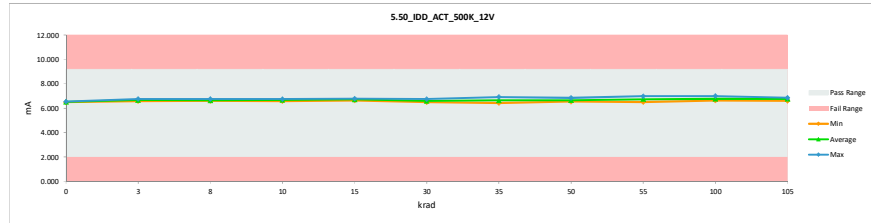
HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.50_IDD_ACT_500K_12V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	6.559	6.547	-0.012
0	726	6.561	6.551	-0.010
0	791	6.495	6.489	-0.006
3	689	6.666	6.666	0.000
3	688	6.630	6.625	-0.005
3	700	6.708	6.708	0.000
3	482	6.772	6.763	-0.009
3	1033	6.589	6.589	0.003
8	442	6.598	6.596	-0.002
8	699	6.635	6.629	-0.006
8	344	6.769	6.761	-0.008
8	355	6.585	6.601	0.016
8	790	6.635	6.627	-0.008
10	537	6.559	6.583	0.024
10	396	6.712	6.695	-0.017
10	521	6.659	6.664	0.005
10	535	6.746	6.737	-0.009
10	526	6.725	6.748	0.023
15	940	6.696	6.670	-0.026
15	387	6.760	6.753	-0.007
15	787	6.775	6.761	-0.014
15	1042	6.809	6.792	-0.017
15	483	6.620	6.641	0.021
30	597	6.528	6.503	-0.025
30	853	6.761	6.753	-0.008
30	416	6.526	6.553	0.027
30	949	6.519	6.525	0.006
30	221	6.655	6.700	0.045
35	538	6.640	6.661	0.021
35	164	6.407	6.429	0.022
35	1018	6.815	6.926	0.111
35	462	6.499	6.490	-0.009
35	1032	6.776	6.736	-0.040
50	566	6.696	6.658	-0.038
50	197	6.632	6.635	0.003
50	793	6.535	6.604	0.069
50	802	6.502	6.538	0.036
50	61	6.733	6.851	0.118
55	795	6.476	6.507	0.031
55	921	6.851	6.881	0.030
55	741	6.530	6.559	0.029
55	809	6.875	6.982	0.107
55	804	6.688	6.780	0.092
100	449	6.568	6.770	0.202
100	541	6.466	6.630	0.164
100	476	6.566	6.654	0.088
100	45	6.677	6.788	0.111
100	642	6.770	7.001	0.231
105	1036	6.660	6.831	0.171
105	1038	6.723	6.738	0.015
105	203	6.714	6.833	0.119
105	1029	6.568	6.602	0.034
105	1027	6.709	6.859	0.150
105	Max	6.875	7.001	0.231
105	Average	6.648	6.683	0.035
105	Min	6.407	6.429	-0.040
105	Std Dev	0.109	0.128	0.064



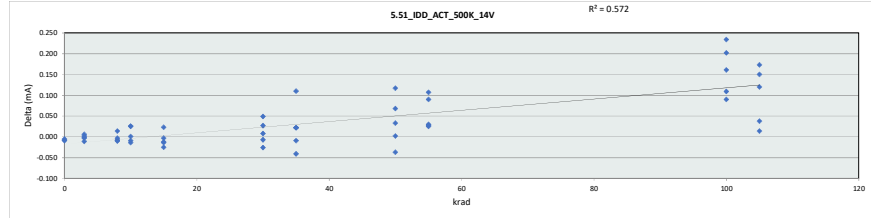
5.50_IDD_ACT_500K_12V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	6.489	6.589	6.596	6.583	6.641	6.503	6.429	6.538	6.507	6.630	6.602
Average	6.529	6.670	6.643	6.685	6.723	6.607	6.648	6.657	6.742	6.769	6.773
Max	6.551	6.763	6.761	6.748	6.792	6.753	6.926	6.851	6.982	7.001	6.859
UL	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200



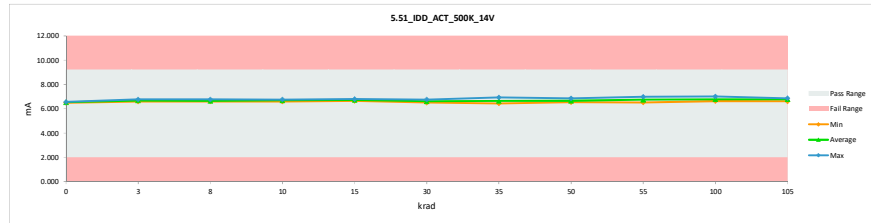
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.51_IDD_ACT_500K_14V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	6.561	6.552	-0.009
0	726	6.564	6.556	-0.008
0	791	6.499	6.494	-0.005
3	689	6.672	6.671	-0.001
3	688	6.634	6.631	-0.003
3	700	6.712	6.714	0.002
3	482	6.777	6.766	-0.011
3	1033	6.595	6.595	0.006
8	442	6.603	6.600	-0.003
8	699	6.641	6.633	-0.008
8	344	6.774	6.764	-0.010
8	355	6.590	6.604	0.014
8	730	6.642	6.633	-0.009
10	537	6.561	6.587	0.026
10	396	6.716	6.702	-0.014
10	521	6.666	6.667	0.001
10	535	6.751	6.742	-0.009
10	526	6.728	6.753	0.025
15	940	6.700	6.675	-0.025
15	387	6.761	6.758	-0.003
15	787	6.779	6.767	-0.012
15	1042	6.813	6.799	-0.014
15	483	6.622	6.645	0.023
30	597	6.532	6.506	-0.026
30	853	6.765	6.758	-0.007
30	416	6.531	6.558	0.027
30	949	6.524	6.532	0.008
30	221	6.658	6.707	0.049
35	538	6.644	6.666	0.022
35	164	6.410	6.432	0.022
35	1018	6.822	6.932	0.110
35	462	6.505	6.496	-0.009
35	1032	6.781	6.740	-0.041
50	566	6.698	6.661	-0.037
50	197	6.638	6.640	0.002
50	793	6.540	6.608	0.068
50	802	6.508	6.541	0.033
50	61	6.738	6.855	0.117
55	795	6.482	6.512	0.030
55	921	6.854	6.882	0.028
55	741	6.536	6.561	0.025
55	809	6.878	6.985	0.107
55	804	6.692	6.782	0.090
100	449	6.572	6.774	0.202
100	541	6.470	6.631	0.161
100	476	6.569	6.659	0.090
100	45	6.684	6.793	0.109
100	642	6.774	7.008	0.234
105	1036	6.665	6.838	0.173
105	1038	6.728	6.742	0.014
105	203	6.721	6.841	0.120
105	1029	6.572	6.610	0.038
105	1027	6.715	6.865	0.150
105	Max	6.878	7.008	0.234
105	Average	6.652	6.687	0.035
105	Min	6.410	6.432	-0.041
105	Std Dev	0.109	0.129	0.064



5.51_IDD_ACT_500K_14V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	6.494	6.595	6.600	6.587	6.645	6.506	6.432	6.541	6.512	6.631	6.610
Average	6.534	6.675	6.647	6.690	6.729	6.612	6.653	6.661	6.744	6.773	6.779
Max	6.556	6.766	6.764	6.753	6.799	6.758	6.932	6.855	6.985	7.008	6.865
UL	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200	9.200



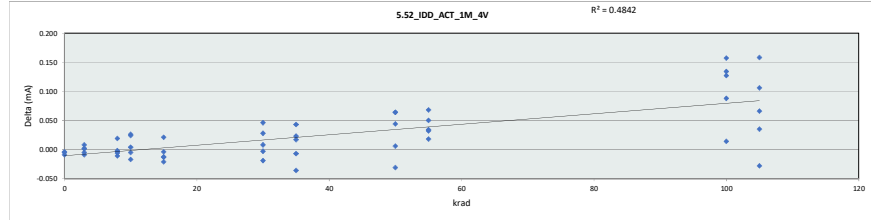


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

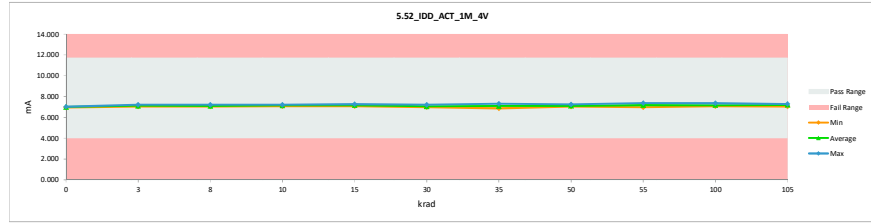
5.52_IDD_ACT_1M_4V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	11.7 11.7
Min Limit	4 4

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	7.031	7.022	-0.009
0	726	7.024	7.019	-0.005
0	791	6.963	6.959	-0.004
3	689	7.133	7.134	0.001
3	688	7.094	7.089	-0.005
3	700	7.133	7.135	0.002
3	482	7.221	7.212	-0.009
3	1033	7.035	7.041	0.006
8	442	7.064	7.062	-0.002
8	699	7.101	7.097	-0.004
8	344	7.224	7.213	-0.011
8	355	7.031	7.050	0.019
8	750	7.092	7.086	-0.006
10	537	7.049	7.075	0.026
10	396	7.195	7.178	-0.017
10	521	7.125	7.129	0.004
10	535	7.217	7.212	-0.005
10	526	7.152	7.176	0.024
15	940	7.138	7.117	-0.021
15	387	7.227	7.223	-0.004
15	787	7.207	7.194	-0.013
15	1042	7.285	7.272	-0.013
15	483	7.054	7.075	0.021
30	597	7.000	6.981	-0.019
30	853	7.215	7.212	-0.003
30	416	6.987	7.015	0.028
30	949	6.982	6.990	0.008
30	221	7.102	7.148	0.046
35	538	7.130	7.147	0.017
35	164	6.845	6.868	0.023
35	1018	7.255	7.298	0.043
35	462	6.956	6.949	-0.007
35	1032	7.216	7.180	-0.036
50	566	7.161	7.130	-0.031
50	197	7.079	7.085	0.006
50	793	6.994	7.058	0.064
50	802	7.001	7.045	0.044
50	61	7.187	7.251	0.064
55	795	6.938	6.972	0.034
55	921	7.281	7.313	0.032
55	741	6.987	7.005	0.018
55	809	7.318	7.368	0.050
55	804	7.145	7.213	0.068
100	449	7.036	7.163	0.127
100	541	6.942	7.076	0.134
100	476	7.025	7.113	0.088
100	45	7.135	7.149	0.014
100	642	7.202	7.359	0.157
105	1036	7.130	7.288	0.158
105	1038	7.180	7.152	-0.028
105	203	7.164	7.270	0.106
105	1029	7.015	7.050	0.035
105	1027	7.166	7.232	0.066
105	Max	7.318	7.568	0.158
105	Average	7.105	7.129	0.024
105	Min	6.845	6.868	-0.036
105	Std Dev	0.104	0.109	0.046



5.52_IDD_ACT_1M_4V	
Test Site	
Tester	
Test Number	
Max Limit	11.7 mA
Min Limit	4 mA

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	6.959	7.041	7.050	7.075	7.075	6.981	6.868	7.045	6.972	7.076	7.050
Average	7.000	7.122	7.102	7.154	7.176	7.069	7.088	7.114	7.174	7.172	7.198
Max	7.022	7.212	7.213	7.212	7.272	7.212	7.298	7.251	7.368	7.359	7.288
UL	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700

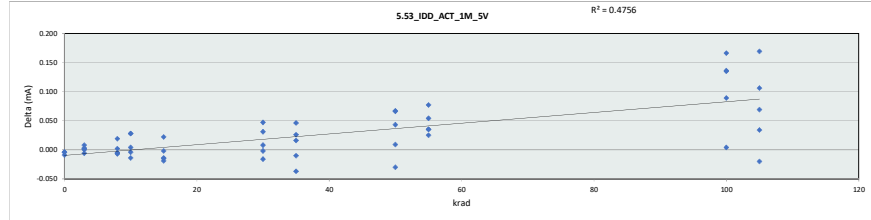


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

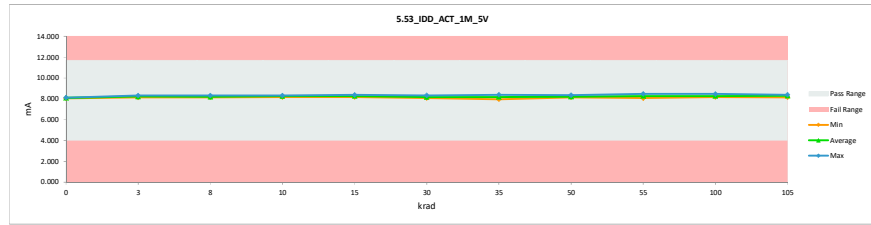
5.53_IDD_ACT_1M_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	11.7
Min Limit	4

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	8.125	8.116	-0.009
0	726	8.120	8.116	-0.004
0	791	8.059	8.055	-0.004
3	689	8.232	8.234	0.002
3	688	8.189	8.189	0.000
3	700	8.225	8.228	0.003
3	482	8.331	8.325	-0.006
3	1033	8.146	8.141	-0.005
8	442	8.174	8.176	0.002
8	699	8.199	8.193	-0.006
8	344	8.328	8.321	-0.007
8	355	8.126	8.145	0.019
8	790	8.183	8.178	-0.005
10	537	8.146	8.174	0.028
10	396	8.303	8.289	-0.014
10	521	8.235	8.239	0.004
10	535	8.326	8.322	-0.004
10	526	8.251	8.279	0.028
15	940	8.235	8.216	-0.019
15	387	8.335	8.333	-0.002
15	787	8.314	8.300	-0.014
15	1042	8.387	8.372	-0.015
15	483	8.156	8.178	0.022
30	597	8.097	8.081	-0.016
30	853	8.330	8.328	-0.002
30	416	8.085	8.116	0.031
30	949	8.084	8.092	0.008
30	221	8.207	8.254	0.047
35	538	8.238	8.254	0.016
35	164	7.936	7.962	0.026
35	1018	8.355	8.401	0.046
35	462	8.045	8.035	-0.010
35	1032	8.318	8.281	-0.037
50	566	8.268	8.238	-0.030
50	197	8.184	8.193	0.009
50	793	8.104	8.170	0.066
50	802	8.111	8.154	0.043
50	61	8.285	8.352	0.067
55	795	8.033	8.068	0.035
55	921	8.385	8.420	0.035
55	741	8.085	8.110	0.025
55	809	8.429	8.483	0.054
55	804	8.239	8.316	0.077
100	449	8.125	8.261	0.136
100	541	8.044	8.179	0.135
100	476	8.124	8.213	0.089
100	45	8.243	8.247	0.004
100	642	8.300	8.466	0.166
105	1036	8.232	8.401	0.169
105	1038	8.281	8.261	-0.020
105	203	8.270	8.376	0.106
105	1029	8.117	8.151	0.034
105	1027	8.270	8.339	0.069
105	Max	8.429	8.483	0.154
105	Average	8.206	8.232	0.026
105	Min	7.936	7.962	-0.037
105	Std Dev	0.107	0.113	0.048



5.53_IDD_ACT_1M_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	11.7
Min Limit	4

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	8.055	8.141	8.145	8.174	8.178	8.081	7.962	8.154	8.068	8.179	8.151
Average	8.096	8.223	8.203	8.261	8.280	8.174	8.187	8.221	8.279	8.273	8.306
Max	8.116	8.325	8.321	8.322	8.372	8.328	8.401	8.352	8.483	8.466	8.401
UL	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700

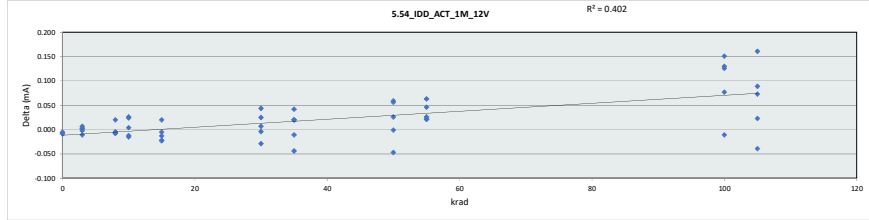


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

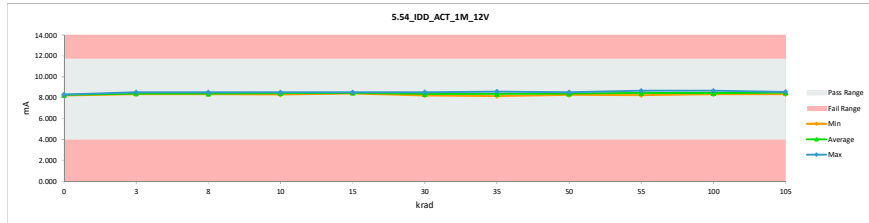
5.54_IDD_ACT_1M_12V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	11.7
Min Limit	4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.280	8.271	-0.009
0	726	8.314	8.307	-0.007
0	791	8.242	8.237	-0.005
3	689	8.404	8.406	0.002
3	688	8.380	8.378	-0.002
3	700	8.458	8.461	0.003
3	482	8.529	8.518	-0.011
3	1033	8.335	8.342	0.007
8	442	8.374	8.369	-0.005
8	699	8.370	8.364	-0.006
8	344	8.528	8.520	-0.008
8	355	8.336	8.356	0.020
8	790	8.367	8.362	-0.005
10	537	8.281	8.307	0.026
10	396	8.467	8.452	-0.015
10	521	8.429	8.433	0.004
10	535	8.501	8.489	-0.012
10	526	8.492	8.516	0.024
15	940	8.437	8.414	-0.023
15	387	8.514	8.509	-0.005
15	787	8.535	8.522	-0.013
15	1042	8.544	8.522	-0.022
15	483	8.383	8.403	0.020
30	597	8.263	8.234	-0.029
30	853	8.531	8.527	-0.004
30	416	8.278	8.303	0.025
30	949	8.268	8.275	0.007
30	221	8.417	8.461	0.044
35	538	8.379	8.399	0.020
35	164	8.144	8.164	0.020
35	1018	8.561	8.603	0.042
35	462	8.243	8.232	-0.011
35	1032	8.532	8.488	-0.044
50	566	8.444	8.397	-0.047
50	197	8.399	8.398	-0.001
50	793	8.318	8.377	0.059
50	802	8.250	8.276	0.026
50	61	8.472	8.528	0.056
55	795	8.226	8.247	0.021
55	921	8.605	8.627	0.022
55	741	8.289	8.315	0.026
55	809	8.625	8.671	0.046
55	804	8.424	8.467	0.063
100	449	8.287	8.417	0.130
100	541	8.217	8.343	0.126
100	476	8.320	8.397	0.077
100	45	8.434	8.423	-0.011
100	642	8.515	8.666	0.151
105	1036	8.408	8.569	0.161
105	1038	8.473	8.434	-0.039
105	203	8.478	8.567	0.089
105	1029	8.325	8.348	0.023
105	1027	8.470	8.543	0.073
105	Max	8.625	8.671	0.161
105	Average	8.398	8.418	0.020
105	Min	8.144	8.164	-0.047
105	Std Dev	0.112	0.117	0.046



5.54_IDD_ACT_1M_12V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	11.7
Min Limit	4

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	8.237	8.342	8.356	8.307	8.403	8.234	8.164	8.276	8.247	8.343	8.348
Average	8.272	8.421	8.394	8.439	8.474	8.360	8.377	8.395	8.469	8.449	8.492
Max	8.307	8.518	8.520	8.516	8.522	8.527	8.603	8.528	8.671	8.666	8.569
UL	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700

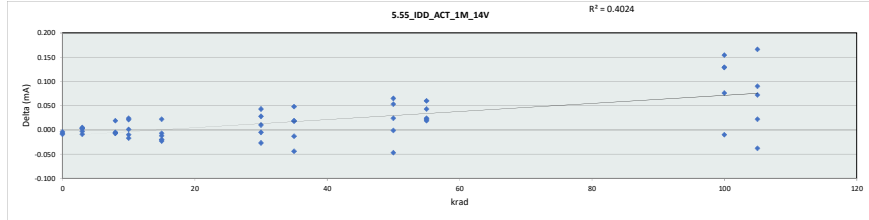


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

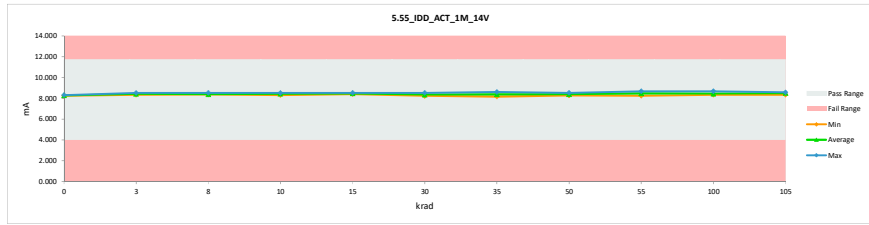
5.55_IDD_ACT_1M_14V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	11.7
Min Limit	4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.285	8.278	-0.007
0	726	8.320	8.311	-0.009
0	791	8.245	8.241	-0.004
3	689	8.407	8.410	0.003
3	688	8.384	8.381	-0.003
3	700	8.462	8.465	0.003
3	482	8.532	8.523	-0.009
3	1033	8.364	8.347	0.005
8	442	8.378	8.373	-0.005
8	699	8.377	8.370	-0.007
8	344	8.531	8.525	-0.006
8	355	8.342	8.361	0.019
8	790	8.372	8.365	-0.007
10	537	8.287	8.311	0.024
10	396	8.473	8.456	-0.017
10	521	8.434	8.435	0.001
10	535	8.506	8.496	-0.010
10	526	8.498	8.519	0.021
15	940	8.441	8.418	-0.023
15	387	8.520	8.513	-0.007
15	787	8.539	8.527	-0.012
15	1042	8.547	8.527	-0.020
15	483	8.385	8.407	0.022
30	597	8.266	8.239	-0.027
30	853	8.536	8.531	-0.005
30	416	8.282	8.310	0.028
30	949	8.271	8.281	0.010
30	221	8.423	8.466	0.043
35	538	8.383	8.402	0.019
35	164	8.151	8.169	0.018
35	1018	8.564	8.612	0.048
35	462	8.250	8.237	-0.013
35	1032	8.537	8.493	-0.044
50	566	8.449	8.402	-0.047
50	197	8.405	8.404	-0.001
50	793	8.320	8.385	0.065
50	802	8.254	8.278	0.024
50	61	8.476	8.529	0.053
55	795	8.230	8.249	0.019
55	921	8.609	8.631	0.022
55	741	8.294	8.318	0.024
55	809	8.631	8.674	0.043
55	804	8.427	8.467	0.060
100	449	8.292	8.421	0.129
100	541	8.219	8.348	0.129
100	476	8.325	8.401	0.076
100	45	8.438	8.428	-0.010
100	642	8.520	8.674	0.154
105	1036	8.411	8.577	0.166
105	1038	8.477	8.439	-0.038
105	203	8.481	8.571	0.090
105	1029	8.328	8.350	0.022
105	1027	8.478	8.550	0.072
105	Max	8.631	8.674	0.166
105	Average	8.403	8.423	0.020
105	Min	8.151	8.169	-0.047
105	Std Dev	0.112	0.117	0.047



5.55_IDD_ACT_1M_14V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	11.7
Min Limit	4

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	8.241	8.347	8.361	8.311	8.407	8.239	8.169	8.278	8.249	8.348	8.350
Average	8.277	8.425	8.399	8.443	8.478	8.365	8.383	8.400	8.472	8.454	8.497
Max	8.311	8.523	8.525	8.519	8.527	8.531	8.612	8.529	8.674	8.674	8.577
UL	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700	11.700

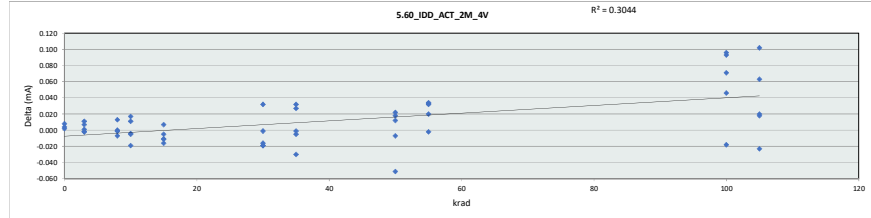


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

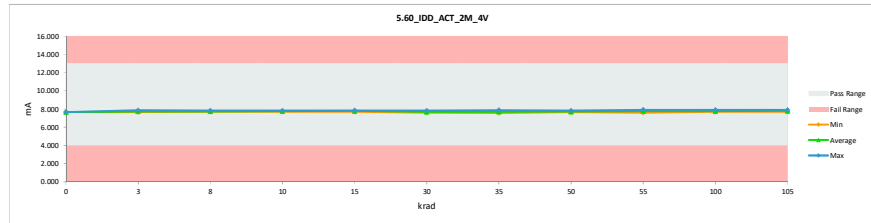
5.60_IDD_ACT_2M_4V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	13 13
Min Limit	4 4

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	7.637	7.645	0.008
0	726	7.666	7.668	0.002
0	791	7.641	7.645	0.004
3	689	7.719	7.730	0.011
3	688	7.720	7.718	-0.002
3	700	7.702	7.709	0.007
3	482	7.850	7.848	-0.002
3	1033	7.657	7.658	0.001
8	442	7.695	7.695	0.000
8	699	7.707	7.706	-0.001
8	344	7.837	7.830	-0.007
8	355	7.686	7.699	0.013
8	790	7.780	7.779	-0.001
10	537	7.690	7.701	0.011
10	396	7.813	7.794	-0.019
10	521	7.730	7.726	-0.004
10	535	7.814	7.809	-0.005
10	526	7.748	7.765	0.017
15	940	7.725	7.709	-0.016
15	387	7.844	7.839	-0.005
15	787	7.837	7.826	-0.011
15	1042	7.853	7.842	-0.011
15	483	7.698	7.705	0.007
30	597	7.620	7.601	-0.019
30	853	7.835	7.816	-0.019
30	416	7.666	7.665	-0.001
30	949	7.656	7.640	-0.016
30	221	7.702	7.734	0.032
35	538	7.744	7.739	-0.005
35	164	7.541	7.568	0.027
35	1018	7.845	7.877	0.032
35	462	7.603	7.602	-0.001
35	1032	7.788	7.758	-0.030
50	566	7.773	7.722	-0.051
50	197	7.748	7.741	-0.007
50	793	7.674	7.692	0.018
50	802	7.645	7.657	0.012
50	61	7.787	7.809	0.022
55	795	7.565	7.597	0.032
55	921	7.894	7.914	0.020
55	741	7.634	7.632	-0.002
55	809	7.867	7.901	0.034
55	804	7.770	7.803	0.033
100	449	7.686	7.757	0.071
100	541	7.587	7.680	0.093
100	476	7.639	7.685	0.046
100	45	7.786	7.768	-0.018
100	642	7.797	7.893	0.096
105	1036	7.791	7.893	0.102
105	1038	7.735	7.712	-0.023
105	203	7.827	7.890	0.063
105	1029	7.671	7.691	0.020
105	1027	7.778	7.796	0.018
105	Max	7.894	7.914	0.102
105	Average	7.730	7.741	0.011
105	Min	7.541	7.568	-0.051
105	Std Dev	0.085	0.087	0.031



5.60_IDD_ACT_2M_4V	
Test Site	
Tester	
Test Number	
Unit	mA mA
Max Limit	13 13
Min Limit	4 4

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	7.645	7.658	7.695	7.701	7.705	7.601	7.568	7.657	7.597	7.680	7.691
Average	7.653	7.733	7.742	7.759	7.784	7.691	7.709	7.724	7.769	7.757	7.796
Max	7.668	7.848	7.830	7.809	7.842	7.816	7.877	7.809	7.914	7.893	7.893
UL	13.000	13.000	13.000	13.000	13.000	13.000	13.000	13.000	13.000	13.000	13.000

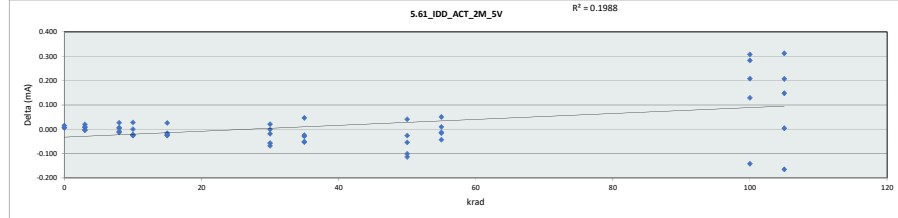


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

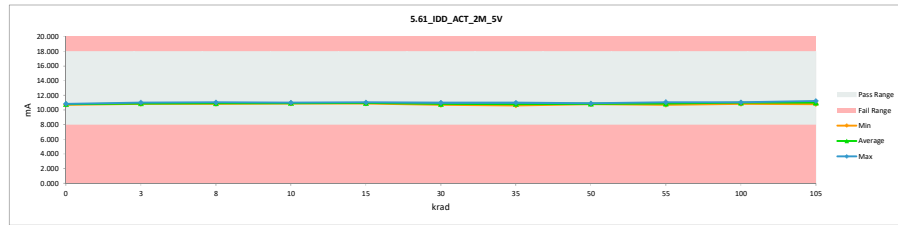
5.61_IDD_ACT_2M_5V	
Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	18
Min Limit	8

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	10.777	10.792	0.015
0	726	10.841	10.847	0.006
0	791	10.727	10.734	0.007
3	689	10.854	10.874	0.020
3	688	10.902	10.912	0.010
3	700	10.825	10.823	-0.002
3	482	11.023	11.019	-0.004
3	1033	10.822	10.829	0.007
8	442	10.919	10.906	-0.013
8	699	10.888	10.892	0.004
8	344	11.048	11.039	-0.009
8	355	10.828	10.855	0.027
8	730	10.845	10.852	0.007
10	537	10.872	10.880	0.028
10	396	11.037	11.011	-0.026
10	521	10.914	10.892	-0.022
10	535	10.998	10.974	-0.024
10	526	10.927	10.927	0.000
15	540	10.898	10.872	-0.026
15	387	11.069	11.045	-0.024
15	787	11.041	11.025	-0.016
15	1042	10.959	10.939	-0.020
15	483	10.861	10.887	0.026
30	597	10.760	10.703	-0.057
30	853	11.058	10.990	-0.068
30	416	10.777	10.798	0.021
30	949	10.783	10.782	-0.001
30	221	10.908	10.889	-0.019
35	538	10.949	10.898	-0.051
35	164	10.564	10.611	0.047
35	1018	11.021	10.992	-0.029
35	462	10.735	10.711	-0.024
35	1032	10.926	10.873	-0.053
50	566	10.982	10.868	-0.114
50	197	10.934	10.908	-0.026
50	793	10.845	10.886	0.041
50	802	10.844	10.790	-0.054
50	61	10.972	10.871	-0.101
55	795	10.740	10.724	-0.016
55	921	11.056	11.066	0.010
55	741	10.769	10.726	-0.043
55	809	10.948	10.935	-0.013
55	804	10.908	10.959	0.051
100	449	10.744	11.052	0.308
100	541	10.734	11.017	0.283
100	476	10.828	11.036	0.208
100	45	10.932	11.061	0.129
100	642	10.978	10.836	-0.142
105	1036	10.921	11.233	0.312
105	1038	10.823	10.827	0.004
105	203	11.005	11.212	0.207
105	1029	10.793	10.941	0.148
105	1027	10.976	10.812	-0.165
105	Max	11.069	11.233	0.312
105	Average	10.888	10.903	0.014
105	Min	10.564	10.611	-0.165
105	Std Dev	0.108	0.121	0.097



5.61_IDD_ACT_2M_5V	
Test Site	
Tester	
Test Number	
Max Limit	18 mA
Min Limit	8 mA

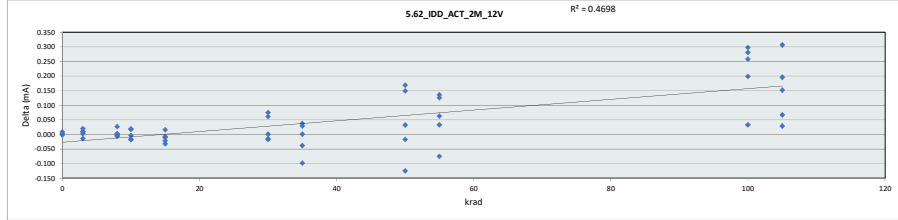
krad	0	3	8	10	15	30	35	50	55	100	105
LL	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
Min	10.734	10.823	10.852	10.880	10.872	10.703	10.611	10.790	10.724	10.836	10.812
Average	10.791	10.891	10.909	10.937	10.954	10.832	10.817	10.865	10.882	11.000	11.005
Max	10.847	11.019	11.039	11.011	11.045	10.990	10.992	10.908	11.066	11.061	11.233
UL	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000



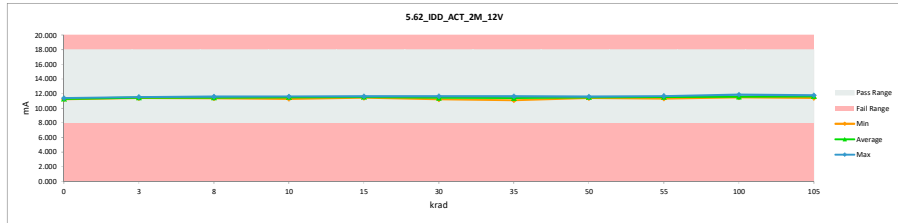
HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.62_IDD_ACT_2M_12V				
Test Site	Tester	Test Number	Unit	Max Limit
			mA	18
			mA	18
				8
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	11.235	11.244	0.009
0	726	11.379	11.377	-0.002
0	791	11.233	11.236	0.003
3	689	11.402	11.412	0.010
3	688	11.426	11.435	0.009
3	700	11.524	11.544	0.020
3	482	11.556	11.542	-0.014
3	1033	11.377	11.379	0.002
8	442	11.476	11.477	0.001
8	699	11.404	11.398	-0.006
8	344	11.591	11.588	-0.003
8	355	11.408	11.435	0.027
8	790	11.363	11.366	0.003
10	537	11.266	11.283	0.017
10	396	11.528	11.512	-0.016
10	521	11.521	11.518	-0.003
10	535	11.558	11.540	-0.018
10	526	11.592	11.611	0.019
15	940	11.446	11.424	-0.022
15	387	11.604	11.597	-0.007
15	787	11.642	11.631	-0.011
15	1042	11.550	11.518	-0.032
15	483	11.473	11.489	0.016
30	597	11.230	11.213	-0.017
30	853	11.656	11.641	-0.015
30	416	11.309	11.384	0.075
30	949	11.303	11.364	0.061
30	221	11.493	11.494	0.001
35	538	11.367	11.368	0.001
35	164	11.131	11.093	-0.038
35	1018	11.597	11.635	0.038
35	462	11.287	11.316	0.029
35	1032	11.573	11.475	-0.098
50	566	11.509	11.384	-0.125
50	197	11.532	11.564	0.032
50	793	11.425	11.594	0.169
50	802	11.260	11.409	0.149
50	61	11.494	11.477	-0.017
55	795	11.265	11.328	0.063
55	921	11.640	11.673	0.033
55	741	11.329	11.455	0.126
55	809	11.653	11.578	-0.075
55	804	11.419	11.555	0.136
100	449	11.204	11.485	0.281
100	541	11.224	11.482	0.258
100	476	11.369	11.568	0.199
100	45	11.458	11.491	0.033
100	642	11.557	11.855	0.298
105	1036	11.410	11.717	0.307
105	1038	11.495	11.562	0.067
105	203	11.582	11.734	0.152
105	1029	11.361	11.390	0.029
105	1027	11.367	11.763	0.196
105	Max	11.656	11.855	0.307
105	Average	11.439	11.483	0.044
105	Min	11.131	11.093	-0.125
105	Std Dev	0.135	0.145	0.095



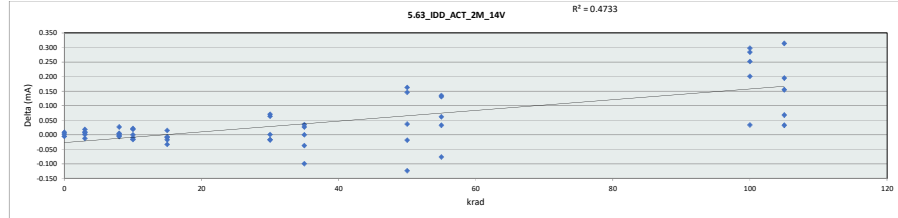
5.62_IDD_ACT_2M_12V											
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit						
			mA	18	8						
			mA	18	8						
krad	0	3	8	10	15	30	35	50	55	100	105
LL	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
Min	11.236	11.379	11.366	11.283	11.424	11.213	11.093	11.384	11.328	11.482	11.390
Average	11.286	11.462	11.453	11.493	11.532	11.419	11.377	11.486	11.518	11.576	11.633
Max	11.377	11.544	11.588	11.611	11.631	11.641	11.635	11.594	11.673	11.855	11.763
UL	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000



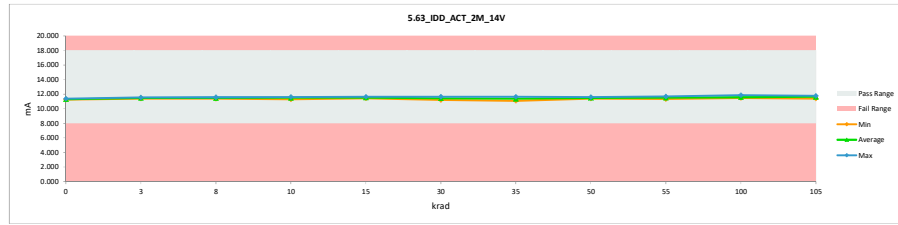
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.63_IDD_ACT_2M_14V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	11.238	11.247	0.009
0	726	11.385	11.380	-0.005
0	791	11.239	11.242	0.003
3	689	11.407	11.417	0.010
3	688	11.430	11.437	0.007
3	700	11.531	11.550	0.019
3	482	11.558	11.546	-0.012
3	1033	11.281	11.382	0.001
8	442	11.481	11.484	0.003
8	699	11.406	11.404	-0.002
8	344	11.597	11.591	-0.006
8	355	11.413	11.440	0.027
8	790	11.366	11.371	0.005
10	437	11.291	11.290	0.019
10	396	11.529	11.519	-0.010
10	521	11.525	11.525	0.000
10	535	11.561	11.545	-0.016
10	526	11.594	11.616	0.022
15	940	11.447	11.430	-0.017
15	387	11.606	11.599	-0.007
15	787	11.645	11.636	-0.009
15	1042	11.553	11.520	-0.033
15	483	11.478	11.493	0.015
30	597	11.233	11.216	-0.017
30	853	11.660	11.643	-0.017
30	416	11.315	11.386	0.071
30	949	11.305	11.369	0.064
30	221	11.497	11.498	0.001
35	538	11.372	11.372	0.000
35	164	11.133	11.096	-0.037
35	1018	11.602	11.637	0.035
35	462	11.293	11.320	0.027
35	1032	11.576	11.477	-0.099
50	566	11.514	11.391	-0.123
50	197	11.533	11.570	0.037
50	793	11.431	11.594	0.163
50	802	11.266	11.412	0.146
50	61	11.499	11.481	-0.018
55	795	11.270	11.332	0.062
55	921	11.642	11.675	0.033
55	741	11.328	11.459	0.131
55	809	11.656	11.580	-0.076
55	804	11.424	11.559	0.135
100	449	11.206	11.490	0.284
100	541	11.232	11.484	0.252
100	476	11.372	11.573	0.201
100	45	11.462	11.496	0.034
100	642	11.562	11.860	0.298
105	1036	11.413	11.727	0.314
105	1038	11.497	11.565	0.068
105	203	11.585	11.740	0.155
105	1029	11.368	11.401	0.033
105	1027	11.572	11.767	0.195
105	Max	11.660	11.860	0.314
105	Average	11.443	11.487	0.045
105	Min	11.133	11.096	-0.123
105	Std Dev	0.135	0.145	0.095



5.63_IDD_ACT_2M_14V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
Min	11.242	11.382	11.371	11.290	11.430	11.216	11.096	11.391	11.332	11.484	11.401
Average	11.290	11.466	11.458	11.499	11.536	11.422	11.380	11.490	11.521	11.581	11.640
Max	11.380	11.550	11.591	11.616	11.636	11.643	11.637	11.594	11.675	11.860	11.767
UL	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000

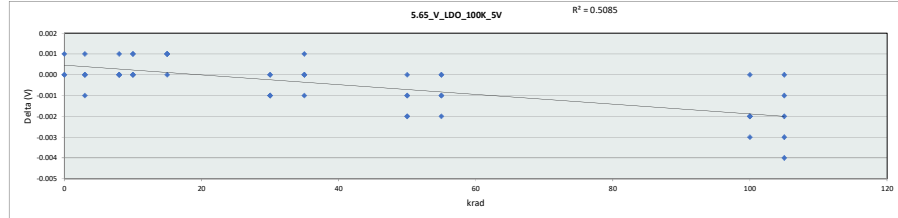




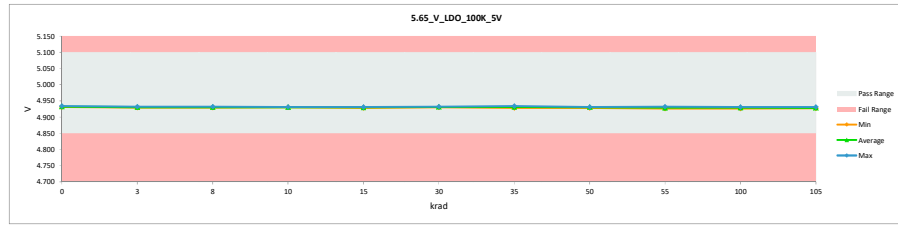
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.65_V_LDO_100K_5V				
Test Site	Tester	Test Number	Unit	Unit
			V	V
Max Limit	5.1	5.1		
Min Limit	4.85	4.85		
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	4.931	4.931	0.000
0	726	4.932	4.932	0.000
0	791	4.933	4.934	0.001
3	689	4.931	4.931	0.000
3	688	4.931	4.932	0.001
3	700	4.930	4.930	0.000
3	482	4.929	4.929	0.000
3	1033	4.929	4.931	-0.001
8	442	4.932	4.932	0.000
8	699	4.931	4.931	0.000
8	344	4.929	4.929	0.000
8	355	4.931	4.931	0.000
8	790	4.930	4.931	0.001
10	537	4.931	4.931	0.000
10	396	4.930	4.931	0.001
10	521	4.931	4.931	0.000
10	535	4.929	4.930	0.001
10	526	4.930	4.930	0.000
15	940	4.929	4.930	0.001
15	387	4.929	4.930	0.001
15	787	4.929	4.930	0.001
15	1042	4.927	4.928	0.001
15	483	4.927	4.931	0.000
30	597	4.932	4.932	0.000
30	853	4.930	4.930	0.000
30	416	4.933	4.932	-0.001
30	949	4.933	4.932	-0.001
30	221	4.931	4.930	-0.001
35	538	4.930	4.930	0.000
35	164	4.934	4.934	0.000
35	1018	4.929	4.928	-0.001
35	462	4.933	4.933	0.000
35	1032	4.929	4.930	0.001
50	566	4.930	4.930	0.000
50	197	4.932	4.931	-0.001
50	793	4.933	4.931	-0.002
50	802	4.933	4.931	-0.002
50	61	4.929	4.928	-0.001
55	795	4.933	4.932	-0.001
55	921	4.927	4.927	0.000
55	741	4.932	4.932	0.000
55	809	4.927	4.926	-0.001
55	804	4.930	4.928	-0.002
100	449	4.931	4.929	-0.002
100	541	4.933	4.931	-0.002
100	476	4.932	4.930	-0.002
100	45	4.930	4.930	0.000
100	642	4.929	4.926	-0.003
105	1036	4.931	4.927	-0.004
105	1038	4.929	4.929	0.000
105	203	4.930	4.928	-0.002
105	1029	4.932	4.931	-0.001
105	1027	4.930	4.927	-0.003
105	Max	4.934	4.934	0.001
105	Average	4.931	4.930	0.000
105	Min	4.927	4.926	-0.004
105	Std Dev	0.002	0.002	0.001



5.65_V_LDO_100K_5V											
Test Site	Tester	Test Number	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	
			V	V	V	V	V	V	V	V	
Max Limit	5.1	5.1									
Min Limit	4.85	4.85									
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850
Min	4.931	4.929	4.929	4.930	4.928	4.930	4.928	4.928	4.926	4.926	4.927
Average	4.932	4.931	4.931	4.931	4.930	4.931	4.931	4.930	4.929	4.929	4.928
Max	4.934	4.932	4.932	4.931	4.931	4.931	4.932	4.934	4.931	4.932	4.931
UL	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100

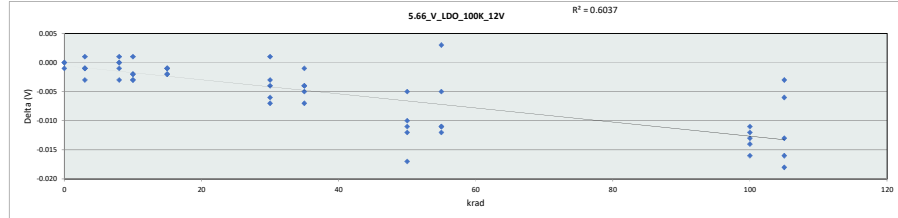


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

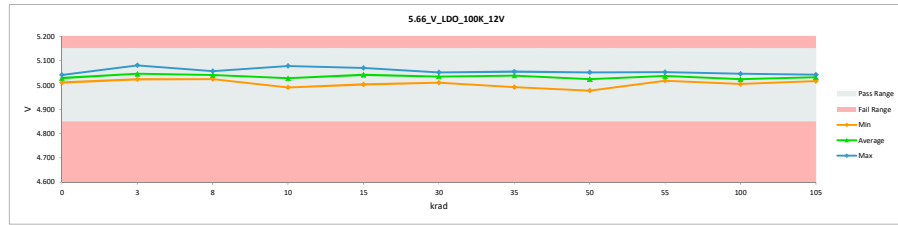
5.66_V_LDO_100K_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
5.15	4.85
5.15	4.85

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	5.010	5.010	0.000
0	726	5.042	5.041	-0.001
0	791	5.035	5.035	0.000
3	689	5.024	5.023	-0.001
3	688	5.037	5.038	0.001
3	700	5.082	5.081	-0.001
3	482	5.040	5.037	-0.003
3	1033	5.050	5.050	0.000
8	442	5.046	5.043	-0.003
8	699	5.025	5.024	-0.001
8	344	5.045	5.046	0.001
8	355	5.057	5.057	0.000
8	790	5.034	5.034	0.000
10	537	4.992	4.990	-0.002
10	396	5.015	5.016	0.001
10	521	5.040	5.037	-0.003
10	535	5.019	5.016	-0.003
10	526	5.080	5.078	-0.002
15	940	5.046	5.045	-0.001
15	387	5.027	5.025	-0.002
15	787	5.067	5.066	-0.001
15	1042	5.004	5.002	-0.002
15	483	5.071	5.070	-0.001
30	597	5.016	5.009	-0.007
30	853	5.045	5.042	-0.003
30	416	5.040	5.034	-0.006
30	949	5.036	5.037	0.001
30	221	5.056	5.052	-0.004
35	538	4.992	4.991	-0.001
35	164	5.061	5.054	-0.007
35	1018	5.050	5.046	-0.004
35	462	5.051	5.047	-0.004
35	1032	5.060	5.055	-0.005
50	566	5.024	5.012	-0.012
50	197	5.063	5.052	-0.011
50	793	5.057	5.052	-0.005
50	802	4.994	4.977	-0.017
50	61	5.035	5.025	-0.010
55	795	5.041	5.030	-0.011
55	921	5.061	5.050	-0.011
55	741	5.050	5.053	0.003
55	809	5.038	5.033	-0.005
55	804	5.030	5.018	-0.012
100	449	5.015	5.004	-0.011
100	541	5.027	5.014	-0.013
100	476	5.045	5.029	-0.016
100	45	5.037	5.025	-0.012
100	642	5.060	5.046	-0.014
105	1036	5.022	5.016	-0.006
105	1038	5.038	5.022	-0.016
105	203	5.053	5.035	-0.018
105	1029	5.055	5.042	-0.013
105	1027	5.045	5.042	-0.003
105	Max	5.082	5.081	0.003
105	Average	5.039	5.034	-0.005
105	Min	4.992	4.977	-0.018
105	Std Dev	0.021	0.021	0.006



5.66_V_LDO_100K_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
5.15	4.85
V	V

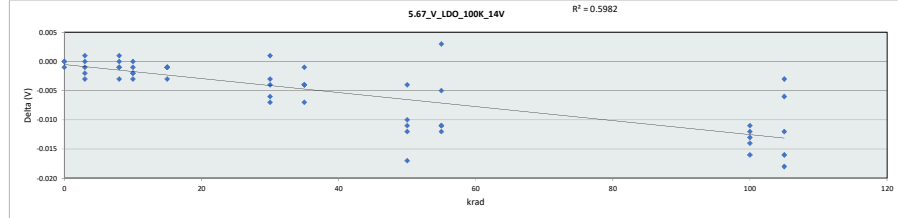
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850
Min	5.010	5.023	5.024	4.990	5.002	5.009	4.991	4.977	5.018	5.004	5.016
Average	5.029	5.046	5.041	5.027	5.042	5.035	5.039	5.024	5.037	5.024	5.031
Max	5.041	5.081	5.057	5.078	5.070	5.052	5.055	5.052	5.053	5.046	5.042
UL	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150



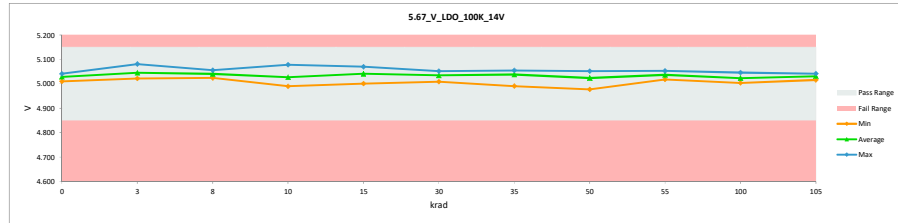
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.67_V_LDO_100K_14V				
Test Site	Tester	Test Number	Unit	Delta
			V	V
Max Limit			5.15	5.15
Min Limit			4.85	4.85
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	5.010	5.010	0.000
0	726	5.042	5.041	-0.001
0	791	5.035	5.035	0.000
3	689	5.024	5.022	-0.002
3	688	5.037	5.038	0.001
3	700	5.081	5.081	0.000
3	482	5.040	5.037	-0.003
3	1033	5.050	5.050	-0.001
8	442	5.046	5.043	-0.003
8	699	5.025	5.024	-0.001
8	344	5.045	5.046	0.001
8	355	5.057	5.056	-0.001
8	790	5.034	5.034	0.000
10	537	4.992	4.990	-0.002
10	396	5.015	5.015	0.000
10	521	5.039	5.037	-0.002
10	535	5.019	5.016	-0.003
10	526	5.079	5.078	-0.001
15	940	5.046	5.045	-0.001
15	387	5.026	5.025	-0.001
15	787	5.067	5.066	-0.001
15	1042	5.004	5.001	-0.003
15	483	5.071	5.070	-0.001
30	597	5.016	5.009	-0.007
30	853	5.045	5.041	-0.004
30	416	5.040	5.034	-0.006
30	949	5.036	5.037	0.001
30	221	5.055	5.052	-0.003
35	538	4.992	4.991	-0.001
35	164	5.061	5.054	-0.007
35	1018	5.050	5.046	-0.004
35	462	5.051	5.047	-0.004
35	1032	5.059	5.055	-0.004
50	566	5.024	5.012	-0.012
50	197	5.063	5.052	-0.011
50	793	5.056	5.052	-0.004
50	802	4.994	4.977	-0.017
50	61	5.035	5.025	-0.010
55	795	5.041	5.030	-0.011
55	921	5.061	5.050	-0.011
55	741	5.050	5.053	0.003
55	809	5.038	5.033	-0.005
55	804	5.030	5.018	-0.012
100	449	5.015	5.004	-0.011
100	541	5.026	5.013	-0.013
100	476	5.045	5.029	-0.016
100	45	5.037	5.025	-0.012
100	642	5.060	5.046	-0.014
105	1036	5.022	5.016	-0.006
105	1038	5.038	5.022	-0.016
105	203	5.053	5.035	-0.018
105	1029	5.054	5.042	-0.012
105	1027	5.045	5.042	-0.003
105	Max	5.081	5.081	0.003
	Average	5.039	5.034	-0.005
	Min	4.992	4.977	-0.018
	Std Dev	0.020	0.021	0.006



5.67_V_LDO_100K_14V											
Test Site	Tester	Test Number	Unit	Delta	LL	Min	Average	Max	UL	Pass	
			V	V	4.850	5.010	5.029	5.041	5.150	Pass	
Max Limit			5.15	5.15	4.850	5.022	5.046	5.056	5.150	Pass	
Min Limit			4.85	4.85	5.024	5.041	5.056	5.078	5.150	Pass	
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850
Min	5.010	5.022	5.024	4.990	5.001	5.009	4.991	4.977	5.018	5.004	5.016
Average	5.029	5.046	5.041	5.027	5.041	5.035	5.039	5.024	5.037	5.023	5.031
Max	5.041	5.081	5.056	5.078	5.070	5.052	5.055	5.052	5.053	5.046	5.042
UL	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150

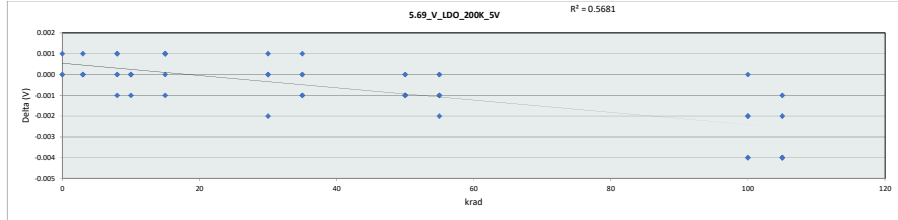


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

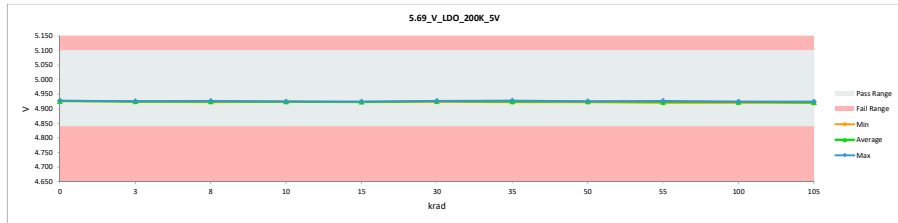
5.69_V_LDO_200K_5V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.1	4.84
5.1	4.84

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	4.925	4.926	0.001
0	726	4.926	4.926	0.000
0	791	4.928	4.928	0.000
3	689	4.925	4.925	0.000
3	688	4.926	4.926	0.000
3	700	4.925	4.925	0.000
3	482	4.923	4.924	0.001
3	1033	4.926	4.926	0.000
8	442	4.926	4.927	0.001
8	699	4.926	4.926	0.000
8	344	4.923	4.923	0.000
8	355	4.926	4.925	-0.001
8	730	4.924	4.925	0.001
10	537	4.926	4.925	-0.001
10	396	4.925	4.925	0.000
10	521	4.925	4.925	0.000
10	535	4.924	4.924	0.000
10	526	4.924	4.924	0.000
15	940	4.923	4.924	0.001
15	387	4.924	4.924	0.000
15	787	4.923	4.924	0.001
15	1042	4.921	4.922	0.001
15	483	4.926	4.925	-0.001
30	597	4.926	4.927	0.001
30	853	4.924	4.924	0.000
30	416	4.927	4.927	0.000
30	949	4.927	4.927	0.000
30	221	4.926	4.924	-0.002
35	538	4.924	4.924	0.000
35	164	4.929	4.928	-0.001
35	1018	4.923	4.922	-0.001
35	462	4.928	4.928	0.000
35	1032	4.924	4.925	0.001
50	566	4.924	4.924	0.000
50	197	4.926	4.926	0.000
50	793	4.927	4.926	-0.001
50	802	4.927	4.926	-0.001
50	61	4.923	4.922	-0.001
55	795	4.927	4.927	0.000
55	921	4.922	4.921	-0.001
55	741	4.927	4.927	0.000
55	809	4.921	4.920	-0.001
55	804	4.924	4.922	-0.002
100	449	4.925	4.923	-0.002
100	541	4.928	4.924	-0.004
100	476	4.927	4.925	-0.002
100	45	4.924	4.924	0.000
100	642	4.924	4.920	-0.004
105	1036	4.925	4.921	-0.004
105	1038	4.924	4.923	-0.001
105	203	4.925	4.921	-0.004
105	1029	4.927	4.925	-0.002
105	1027	4.924	4.920	-0.004
105	Max	4.929	4.928	0.001
105	Average	4.925	4.924	-0.001
105	Min	4.921	4.920	-0.004
105	Std Dev	0.002	0.002	0.001



5.69_V_LDO_200K_5V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.1	4.84
5.1	4.84

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840
Min	4.926	4.924	4.923	4.924	4.922	4.924	4.922	4.922	4.920	4.920	4.920
Average	4.927	4.925	4.925	4.925	4.924	4.926	4.925	4.925	4.923	4.923	4.922
Max	4.928	4.926	4.927	4.925	4.925	4.927	4.928	4.926	4.927	4.925	4.925
UL	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100

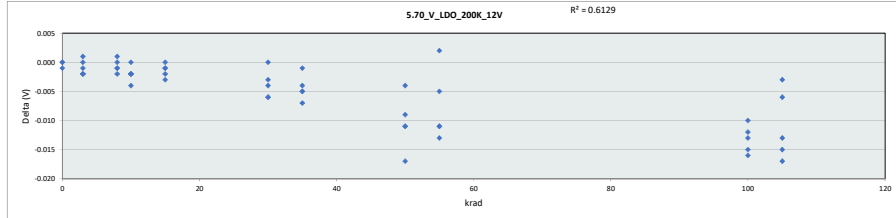


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

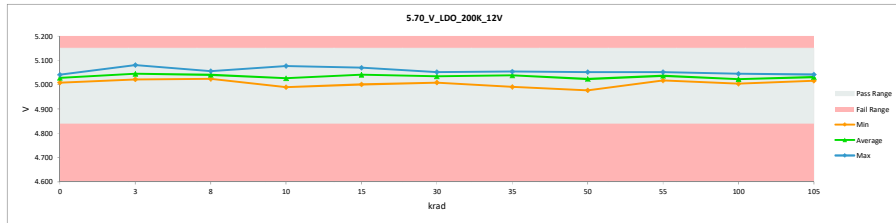
5.70_V_LDO_200K_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.15	5.15
4.84	4.84

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	5.010	5.009	-0.001
0	726	5.041	5.041	0.000
0	791	5.035	5.035	0.000
3	689	5.024	5.022	-0.002
3	688	5.037	5.038	0.001
3	700	5.081	5.081	0.000
3	482	5.039	5.037	-0.002
3	1033	5.050	5.050	-0.001
8	442	5.045	5.043	-0.002
8	699	5.025	5.024	-0.001
8	344	5.045	5.046	0.001
8	355	5.056	5.056	0.000
8	790	5.034	5.033	-0.001
10	537	4.992	4.990	-0.002
10	396	5.015	5.015	0.000
10	521	5.039	5.037	-0.002
10	535	5.019	5.015	-0.004
10	526	5.079	5.077	-0.002
15	940	5.046	5.045	-0.001
15	387	5.026	5.024	-0.002
15	787	5.066	5.066	0.000
15	1042	5.004	5.001	-0.003
15	483	5.071	5.070	-0.001
30	597	5.015	5.009	-0.006
30	853	5.045	5.041	-0.004
30	416	5.040	5.034	-0.006
30	949	5.036	5.036	0.000
30	221	5.055	5.052	-0.003
35	538	4.992	4.991	-0.001
35	164	5.061	5.054	-0.007
35	1018	5.050	5.045	-0.005
35	462	5.051	5.047	-0.004
35	1032	5.059	5.054	-0.005
50	566	5.023	5.012	-0.011
50	197	5.063	5.052	-0.011
50	793	5.056	5.052	-0.004
50	802	4.994	4.977	-0.017
50	61	5.034	5.025	-0.009
55	795	5.041	5.030	-0.011
55	921	5.061	5.050	-0.011
55	741	5.050	5.052	0.002
55	809	5.038	5.033	-0.005
55	804	5.030	5.017	-0.013
100	449	5.014	5.004	-0.010
100	541	5.026	5.013	-0.013
100	476	5.045	5.029	-0.016
100	45	5.037	5.025	-0.012
100	642	5.060	5.045	-0.015
105	1036	5.022	5.016	-0.006
105	1038	5.037	5.022	-0.015
105	203	5.052	5.035	-0.017
105	1029	5.054	5.041	-0.013
105	1027	5.045	5.042	-0.003
105	Max	5.081	5.081	0.002
105	Average	5.039	5.034	-0.005
105	Min	4.992	4.977	-0.017
105	Std Dev	0.020	0.021	0.005



5.70_V_LDO_200K_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.15	5.15
4.84	4.84

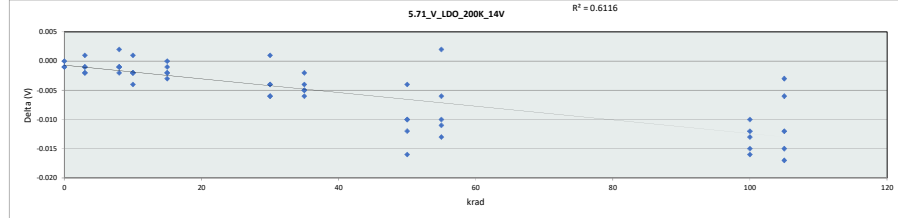
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840
Min	5.009	5.022	5.024	4.990	5.001	5.009	4.991	4.977	5.017	5.004	5.016
Average	5.028	5.046	5.040	5.027	5.041	5.034	5.038	5.024	5.036	5.023	5.031
Max	5.041	5.081	5.056	5.077	5.070	5.052	5.054	5.052	5.052	5.045	5.042
UL	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150



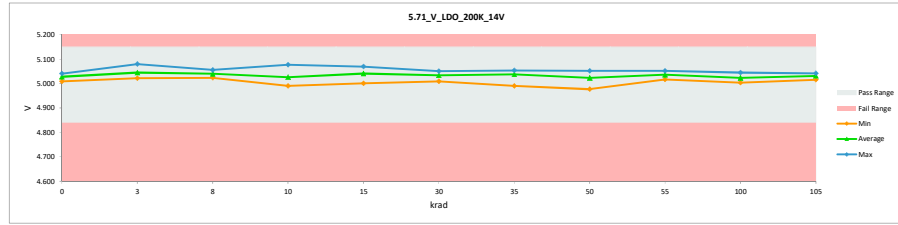
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.71_V_LDO_200K_14V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	5.010	5.009	-0.001
0	726	5.041	5.041	0.000
0	791	5.035	5.034	-0.001
3	689	5.023	5.022	-0.001
3	688	5.037	5.038	0.001
3	700	5.081	5.080	-0.001
3	482	5.039	5.037	-0.002
3	1033	5.050	5.049	-0.002
8	442	5.045	5.043	-0.002
8	699	5.025	5.024	-0.001
8	344	5.044	5.046	0.002
8	355	5.057	5.056	-0.001
8	790	5.034	5.033	-0.001
10	537	4.992	4.990	-0.002
10	396	5.014	5.015	0.001
10	521	5.039	5.037	-0.002
10	535	5.019	5.015	-0.004
10	526	5.079	5.077	-0.002
15	940	5.046	5.044	-0.002
15	387	5.026	5.024	-0.002
15	787	5.066	5.066	0.000
15	1042	5.004	5.001	-0.003
15	483	5.071	5.070	-0.001
30	597	5.015	5.009	-0.006
30	853	5.045	5.041	-0.004
30	416	5.039	5.033	-0.006
30	949	5.035	5.036	0.001
30	221	5.055	5.051	-0.004
35	538	4.992	4.990	-0.002
35	164	5.060	5.054	-0.006
35	1018	5.050	5.045	-0.005
35	462	5.051	5.047	-0.004
35	1032	5.059	5.054	-0.005
50	566	5.023	5.011	-0.012
50	197	5.062	5.052	-0.010
50	793	5.056	5.052	-0.004
50	802	4.993	4.977	-0.016
50	61	5.034	5.024	-0.010
55	795	5.041	5.030	-0.011
55	921	5.060	5.050	-0.010
55	741	5.050	5.052	0.002
55	809	5.038	5.032	-0.006
55	804	5.030	5.017	-0.013
100	449	5.014	5.004	-0.010
100	541	5.026	5.013	-0.013
100	476	5.045	5.029	-0.016
100	45	5.037	5.025	-0.012
100	642	5.060	5.045	-0.015
105	1036	5.022	5.016	-0.006
105	1038	5.037	5.022	-0.015
105	203	5.052	5.035	-0.017
105	1029	5.054	5.042	-0.012
105	1027	5.045	5.042	-0.003
105	Max	5.081	5.080	0.002
	Average	5.039	5.034	-0.005
	Min	4.992	4.977	-0.017
	Std Dev	0.020	0.021	0.005



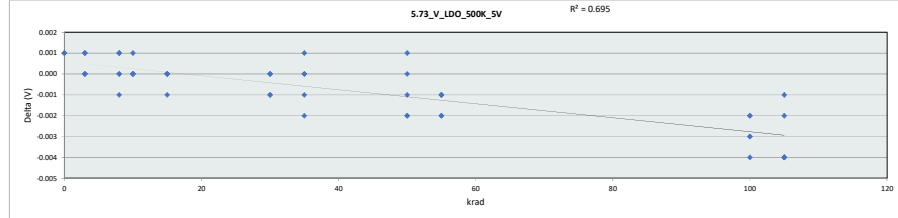
5.71_V_LDO_200K_14V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840	4.840
Min	5.009	5.022	5.024	4.990	5.001	5.009	4.990	4.977	5.017	5.004	5.016
Average	5.028	5.045	5.040	5.027	5.041	5.034	5.038	5.023	5.036	5.023	5.031
Max	5.041	5.080	5.056	5.077	5.070	5.051	5.054	5.052	5.052	5.045	5.042
UL	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150



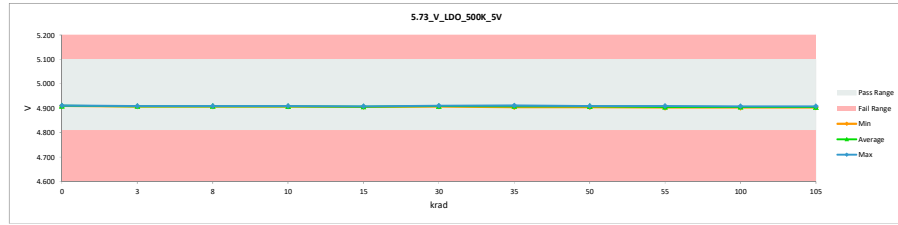
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.73_V_LDO_500K_5V				
Test Site	Tester	Test Number	Unit	Min Limit
			V	5.1
			V	4.81
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	4.908	4.909	0.001
0	726	4.909	4.910	0.001
0	791	4.910	4.911	0.001
3	689	4.908	4.909	0.001
3	688	4.909	4.909	0.000
3	700	4.908	4.908	0.000
3	482	4.906	4.907	0.001
3	1033	4.906	4.909	0.000
8	442	4.909	4.909	0.000
8	699	4.908	4.909	0.001
8	344	4.906	4.907	0.001
8	355	4.909	4.908	-0.001
8	730	4.908	4.908	0.000
10	537	4.909	4.909	0.000
10	396	4.908	4.908	0.000
10	521	4.908	4.908	0.000
10	535	4.906	4.907	0.001
10	526	4.907	4.907	0.000
15	540	4.907	4.907	0.000
15	387	4.907	4.907	0.000
15	787	4.907	4.907	0.000
15	1042	4.905	4.905	0.000
15	483	4.909	4.908	-0.001
30	597	4.909	4.909	0.000
30	853	4.907	4.907	0.000
30	416	4.910	4.909	-0.001
30	949	4.910	4.910	0.000
30	221	4.909	4.908	-0.001
35	538	4.908	4.907	-0.001
35	164	4.911	4.911	0.000
35	1018	4.906	4.904	-0.002
35	462	4.911	4.911	0.000
35	1032	4.907	4.908	0.001
50	566	4.907	4.908	0.001
50	197	4.909	4.909	0.000
50	793	4.910	4.908	-0.002
50	802	4.910	4.909	-0.001
50	61	4.906	4.904	-0.002
55	795	4.910	4.909	-0.001
55	921	4.905	4.904	-0.001
55	741	4.910	4.909	-0.001
55	809	4.904	4.902	-0.002
55	804	4.907	4.905	-0.002
100	449	4.908	4.905	-0.003
100	541	4.910	4.908	-0.002
100	476	4.909	4.907	-0.002
100	45	4.908	4.905	-0.003
100	642	4.906	4.902	-0.004
105	1036	4.908	4.904	-0.004
105	1038	4.907	4.905	-0.002
105	203	4.908	4.904	-0.004
105	1029	4.909	4.908	-0.001
105	1027	4.907	4.903	-0.004
105		4.911	4.911	0.001
	Max	4.908	4.907	-0.001
	Min	4.904	4.902	-0.004
	Std Dev	0.002	0.002	0.001



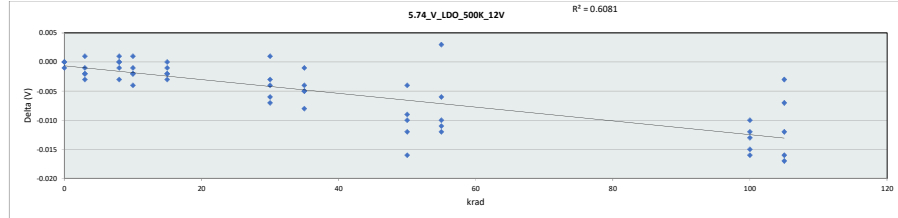
5.73_V_LDO_500K_5V																
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit											
			V	5.1	4.81											
			V													
krad	LL	Min	Average	Max	UL	0	3	8	10	15	30	35	50	55	100	105
	4.810	4.909	4.910	4.911	5.100	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810
	4.905	4.907	4.907	4.907	5.100	4.905	4.907	4.908	4.908	4.907	4.907	4.904	4.904	4.906	4.902	4.903
	4.905	4.909	4.909	4.909	5.100	4.909	4.908	4.908	4.908	4.909	4.908	4.908	4.908	4.906	4.905	4.905
	4.908	4.908	4.908	4.908	5.100	4.908	4.909	4.909	4.909	4.908	4.908	4.911	4.909	4.909	4.908	4.908
	4.810	4.903	4.904	4.904	5.100	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810



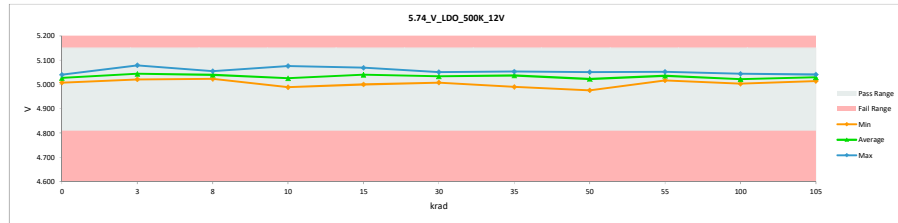
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.74_V_LDO_500K_12V				
Test Site	Tester	Test Number	Unit	Max Limit
			V	5.15
			V	4.81
krad	Serial #	PRE HDR	POST HDR	Delta
0	552	5.009	5.008	-0.001
0	726	5.040	5.040	0.000
0	791	5.033	5.033	0.000
3	689	5.023	5.021	-0.002
3	688	5.036	5.037	0.001
3	700	5.080	5.079	-0.001
3	482	5.038	5.035	-0.003
3	1033	5.050	5.048	-0.002
8	442	5.044	5.041	-0.003
8	699	5.024	5.023	-0.001
8	344	5.044	5.045	0.001
8	355	5.055	5.055	0.000
8	790	5.033	5.033	0.000
10	537	4.990	4.989	-0.001
10	396	5.013	5.014	0.001
10	521	5.038	5.036	-0.002
10	535	5.018	5.014	-0.004
10	526	5.078	5.076	-0.002
15	940	5.045	5.043	-0.002
15	387	5.025	5.023	-0.002
15	787	5.065	5.065	0.000
15	1042	5.003	5.000	-0.003
15	483	5.070	5.069	-0.001
30	597	5.015	5.008	-0.007
30	853	5.044	5.040	-0.004
30	416	5.039	5.033	-0.006
30	949	5.034	5.035	0.001
30	221	5.054	5.051	-0.003
35	538	4.991	4.990	-0.001
35	164	5.060	5.052	-0.008
35	1018	5.049	5.044	-0.005
35	462	5.050	5.046	-0.004
35	1032	5.058	5.053	-0.005
50	566	5.023	5.011	-0.012
50	197	5.061	5.051	-0.010
50	793	5.055	5.051	-0.004
50	802	4.992	4.976	-0.016
50	61	5.033	5.024	-0.009
55	795	5.040	5.029	-0.011
55	921	5.059	5.049	-0.010
55	741	5.049	5.052	0.003
55	809	5.037	5.031	-0.006
55	804	5.029	5.017	-0.012
100	449	5.013	5.003	-0.010
100	541	5.025	5.012	-0.013
100	476	5.044	5.028	-0.016
100	45	5.036	5.024	-0.012
100	642	5.059	5.044	-0.015
105	1036	5.021	5.014	-0.007
105	1038	5.036	5.020	-0.016
105	203	5.051	5.034	-0.017
105	1029	5.053	5.041	-0.012
105	1027	5.044	5.041	-0.003
105	Max	5.080	5.079	0.003
105	Average	5.038	5.033	-0.005
105	Min	4.990	4.976	-0.017
105	Std Dev	0.020	0.021	0.005



5.74_V_LDO_500K_12V																
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit	0	3	8	10	15	30	35	50	55	100	105
			V	5.15	4.81	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810
			V	5.15	4.81	5.008	5.021	5.023	4.989	5.000	5.008	4.990	4.976	5.017	5.003	5.014
			Average	5.040	5.079	5.044	5.039	5.026	5.040	5.033	5.037	5.023	5.036	5.022	5.030	
			Max	5.040	5.079	5.055	5.076	5.069	5.051	5.053	5.051	5.053	5.052	5.044	5.041	
			UL	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150

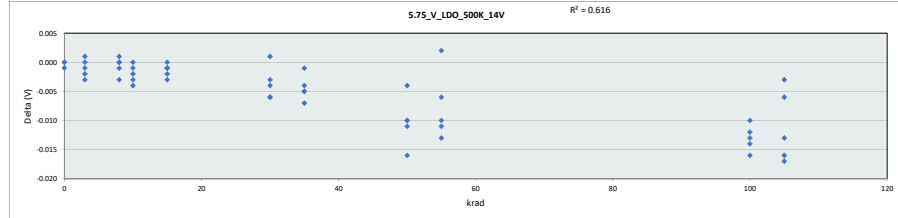




HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

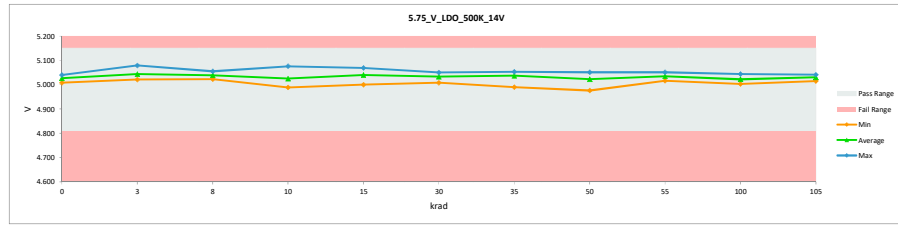
5.75_V_LDO_500K_14V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.15	4.81



krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	5.009	5.008	-0.001
0	726	5.040	5.040	0.000
0	791	5.033	5.033	0.000
3	689	5.022	5.021	-0.001
3	688	5.036	5.037	0.001
3	700	5.079	5.079	0.000
3	482	5.038	5.035	-0.003
3	1033	5.050	5.048	-0.002
8	442	5.044	5.041	-0.003
8	699	5.024	5.023	-0.001
8	344	5.043	5.044	0.001
8	355	5.055	5.055	0.000
8	790	5.033	5.033	0.000
10	537	4.990	4.989	-0.001
10	396	5.013	5.013	0.000
10	521	5.038	5.035	-0.003
10	535	5.018	5.014	-0.004
10	526	5.078	5.076	-0.002
15	940	5.044	5.043	-0.001
15	387	5.025	5.023	-0.002
15	787	5.065	5.065	0.000
15	1042	5.003	5.000	-0.003
15	483	5.070	5.069	-0.001
30	597	5.014	5.008	-0.006
30	853	5.043	5.040	-0.003
30	416	5.039	5.033	-0.006
30	949	5.034	5.035	0.001
30	221	5.054	5.050	-0.004
35	538	4.991	4.990	-0.001
35	164	5.059	5.052	-0.007
35	1018	5.049	5.044	-0.005
35	462	5.050	5.046	-0.004
35	1032	5.058	5.053	-0.005
50	566	5.022	5.011	-0.011
50	197	5.061	5.051	-0.010
50	793	5.055	5.051	-0.004
50	802	4.992	4.976	-0.016
50	61	5.033	5.023	-0.010
55	795	5.040	5.029	-0.011
55	921	5.059	5.049	-0.010
55	741	5.049	5.051	0.002
55	809	5.037	5.031	-0.006
55	804	5.029	5.016	-0.013
100	449	5.013	5.003	-0.010
100	541	5.025	5.012	-0.013
100	476	5.044	5.028	-0.016
100	45	5.036	5.024	-0.012
100	642	5.058	5.044	-0.014
105	1036	5.021	5.015	-0.006
105	1038	5.036	5.020	-0.016
105	203	5.051	5.034	-0.017
105	1029	5.053	5.040	-0.013
105	1027	5.044	5.041	-0.003
105	Max	5.079	5.079	0.002
105	Average	5.038	5.033	-0.005
105	Min	4.990	4.976	-0.017
105	Std Dev	0.020	0.021	0.005

5.75_V_LDO_500K_14V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.15	4.81

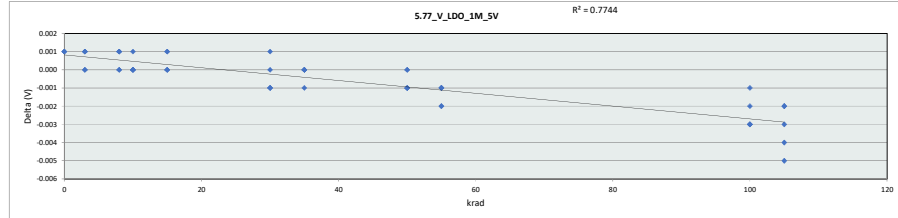
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810	4.810
Min	5.008	5.021	5.023	4.989	5.000	5.008	4.990	4.976	5.016	5.003	5.015
Average	5.027	5.044	5.039	5.025	5.040	5.033	5.037	5.022	5.035	5.022	5.030
Max	5.040	5.079	5.055	5.076	5.069	5.050	5.053	5.051	5.044	5.044	5.041
UL	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150



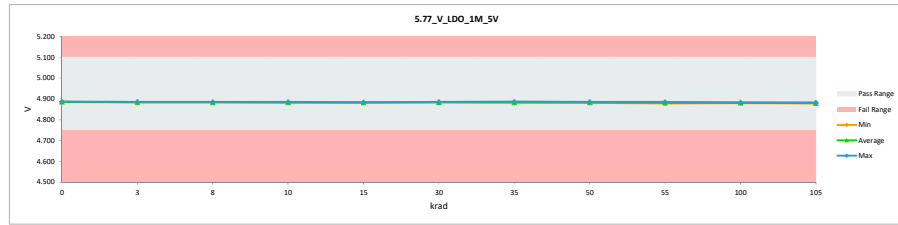
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.77_V_LDO_1M_5V				
Test Site	Tester	Test Number	Unit	Unit
			V	V
Max Limit	5.1	5.1		
Min Limit	4.75	4.75		
krad	Serial #	PRE HDR	POST HDR	Delta
0	552	4.884	4.885	0.001
0	726	4.885	4.886	0.001
0	791	4.886	4.887	0.001
3	689	4.884	4.885	0.001
3	688	4.885	4.886	0.001
3	700	4.884	4.885	0.001
3	482	4.882	4.882	0.000
3	1033	4.882	4.885	0.000
8	442	4.884	4.885	0.001
8	699	4.884	4.885	0.001
8	344	4.882	4.883	0.001
8	355	4.884	4.884	0.000
8	750	4.884	4.884	0.000
10	537	4.885	4.885	0.000
10	396	4.883	4.884	0.001
10	521	4.883	4.883	0.000
10	535	4.882	4.882	0.000
10	526	4.883	4.883	0.000
15	940	4.882	4.883	0.001
15	387	4.883	4.883	0.000
15	787	4.882	4.883	0.001
15	1042	4.881	4.881	0.000
15	483	4.884	4.884	0.000
30	597	4.885	4.885	0.000
30	853	4.882	4.883	0.001
30	416	4.886	4.885	-0.001
30	949	4.886	4.885	-0.001
30	221	4.884	4.883	-0.001
35	538	4.883	4.883	0.000
35	164	4.887	4.887	0.000
35	1018	4.882	4.881	-0.001
35	462	4.887	4.887	0.000
35	1032	4.883	4.883	0.000
50	566	4.883	4.883	0.000
50	197	4.885	4.885	0.000
50	793	4.885	4.884	-0.001
50	802	4.885	4.884	-0.001
50	61	4.882	4.881	-0.001
55	795	4.886	4.885	-0.001
55	921	4.881	4.880	-0.001
55	741	4.886	4.885	-0.001
55	809	4.880	4.878	-0.002
55	804	4.883	4.881	-0.002
100	449	4.884	4.882	-0.002
100	541	4.886	4.883	-0.003
100	476	4.885	4.882	-0.003
100	45	4.883	4.882	-0.001
100	642	4.882	4.879	-0.003
105	1036	4.883	4.879	-0.004
105	1038	4.883	4.881	-0.002
105	203	4.883	4.880	-0.003
105	1029	4.885	4.883	-0.002
105	1027	4.883	4.878	-0.005
105	Max	4.887	4.887	0.001
105	Average	4.884	4.883	-0.001
105	Min	4.880	4.878	-0.005
105	Std Dev	0.002	0.002	0.001



5.77_V_LDO_1M_5V											
Test Site	Tester	Test Number	Unit	Unit							
			V	V							
Max Limit	5.1										
Min Limit	4.75										
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.750	4.750	4.750	4.750	4.750	4.750	4.750	4.750	4.750	4.750	4.750
Min	4.885	4.882	4.883	4.882	4.881	4.883	4.881	4.881	4.878	4.879	4.878
Average	4.886	4.885	4.884	4.883	4.883	4.884	4.884	4.884	4.882	4.882	4.880
Max	4.887	4.886	4.885	4.885	4.884	4.885	4.887	4.885	4.883	4.883	4.883
UL	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100

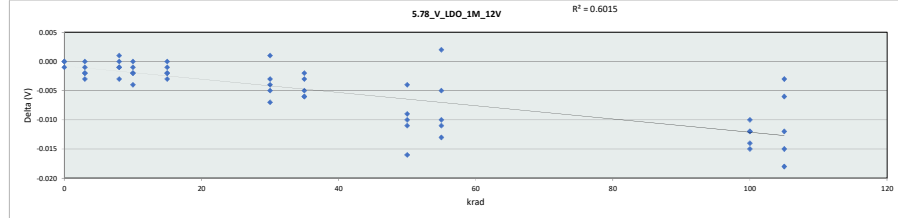


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

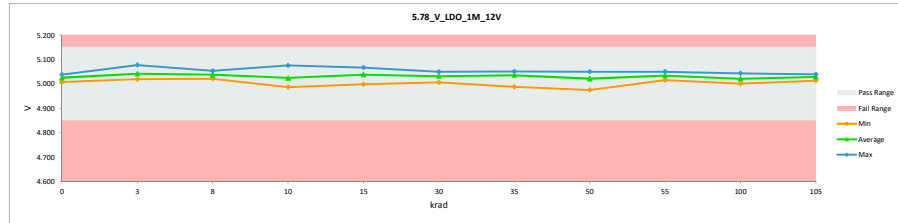
5.78_V_LDO_1M_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.15	4.85

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	5.007	5.007	0.000
0	726	5.038	5.038	0.000
0	791	5.032	5.031	-0.001
3	689	5.021	5.019	-0.002
3	688	5.035	5.035	0.000
3	700	5.078	5.077	-0.001
3	482	5.036	5.033	-0.003
3	1033	5.049	5.046	-0.002
8	442	5.042	5.039	-0.003
8	699	5.022	5.021	-0.001
8	344	5.041	5.042	0.001
8	355	5.054	5.053	-0.001
8	790	5.031	5.031	0.000
10	537	4.989	4.987	-0.002
10	396	5.012	5.012	0.000
10	521	5.036	5.034	-0.002
10	535	5.016	5.012	-0.004
10	526	5.076	5.075	-0.001
15	940	5.043	5.041	-0.002
15	387	5.023	5.021	-0.002
15	787	5.063	5.063	0.000
15	1042	5.001	4.998	-0.003
15	483	5.068	5.067	-0.001
30	597	5.013	5.006	-0.007
30	853	5.041	5.038	-0.003
30	416	5.037	5.032	-0.005
30	949	5.032	5.033	0.001
30	221	5.053	5.049	-0.004
35	538	4.990	4.988	-0.002
35	164	5.057	5.051	-0.006
35	1018	5.047	5.042	-0.005
35	462	5.048	5.045	-0.003
35	1032	5.057	5.051	-0.006
50	566	5.021	5.010	-0.011
50	197	5.060	5.050	-0.010
50	793	5.053	5.049	-0.004
50	802	4.991	4.975	-0.016
50	61	5.031	5.022	-0.009
55	795	5.038	5.027	-0.011
55	921	5.057	5.047	-0.010
55	741	5.048	5.050	0.002
55	809	5.035	5.030	-0.005
55	804	5.028	5.015	-0.013
100	449	5.011	5.001	-0.010
100	541	5.023	5.011	-0.012
100	476	5.042	5.027	-0.015
100	45	5.034	5.022	-0.012
100	642	5.057	5.043	-0.014
105	1036	5.019	5.013	-0.006
105	1038	5.034	5.019	-0.015
105	203	5.050	5.032	-0.018
105	1029	5.051	5.039	-0.012
105	1027	5.042	5.039	-0.003
105	Max	5.078	5.077	0.002
105	Average	5.036	5.031	-0.005
105	Min	4.989	4.975	-0.018
105	Std Dev	0.020	0.021	0.005



5.78_V_LDO_1M_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.15	4.85

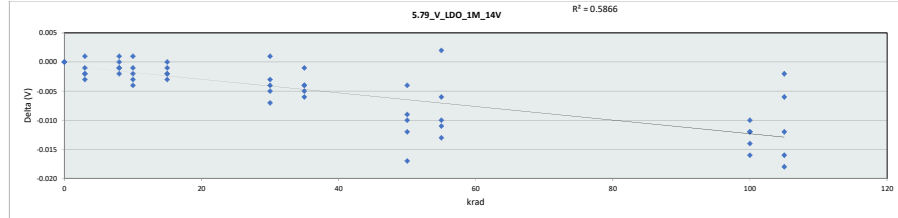
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850
Min	5.007	5.019	5.021	4.987	4.998	5.006	4.988	4.975	5.015	5.001	5.013
Average	5.025	5.042	5.037	5.024	5.038	5.032	5.035	5.021	5.034	5.021	5.028
Max	5.038	5.077	5.053	5.075	5.067	5.049	5.051	5.050	5.050	5.043	5.039
UL	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150



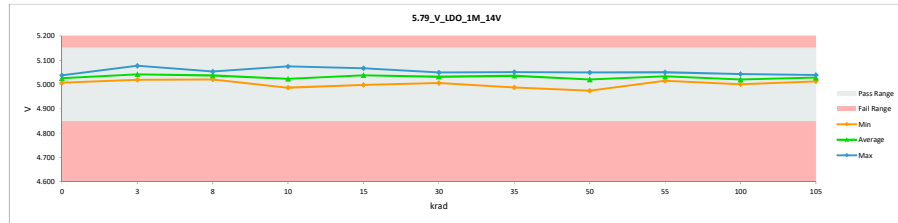
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.79_V_LDO_1M_14V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	5.007	5.007	0.000
0	726	5.038	5.038	0.000
0	791	5.031	5.031	0.000
3	689	5.021	5.019	-0.002
3	688	5.034	5.035	0.001
3	700	5.078	5.077	-0.001
3	482	5.036	5.033	-0.003
3	1033	5.048	5.046	-0.002
8	442	5.041	5.039	-0.002
8	699	5.022	5.021	-0.001
8	344	5.041	5.042	0.001
8	355	5.054	5.053	-0.001
8	790	5.031	5.031	0.000
10	537	4.988	4.987	-0.001
10	396	5.011	5.012	0.001
10	521	5.036	5.033	-0.003
10	535	5.016	5.012	-0.004
10	526	5.076	5.074	-0.002
15	940	5.043	5.041	-0.002
15	387	5.023	5.021	-0.002
15	787	5.063	5.063	0.000
15	1042	5.001	4.998	-0.003
15	483	5.068	5.067	-0.001
30	597	5.013	5.006	-0.007
30	853	5.041	5.038	-0.003
30	416	5.037	5.032	-0.005
30	949	5.032	5.033	0.001
30	221	5.053	5.049	-0.004
35	538	4.989	4.988	-0.001
35	164	5.057	5.051	-0.006
35	1018	5.046	5.042	-0.004
35	462	5.049	5.045	-0.004
35	1032	5.056	5.051	-0.005
50	566	5.021	5.009	-0.012
50	197	5.059	5.049	-0.010
50	793	5.053	5.049	-0.004
50	802	4.991	4.974	-0.017
50	61	5.031	5.022	-0.009
55	795	5.038	5.027	-0.011
55	921	5.057	5.047	-0.010
55	741	5.048	5.050	0.002
55	809	5.035	5.029	-0.006
55	804	5.028	5.015	-0.013
100	449	5.011	5.001	-0.010
100	541	5.023	5.011	-0.012
100	476	5.042	5.026	-0.016
100	45	5.034	5.022	-0.012
100	642	5.057	5.043	-0.014
105	1036	5.019	5.013	-0.006
105	1038	5.034	5.018	-0.016
105	203	5.050	5.032	-0.018
105	1029	5.051	5.039	-0.012
105	1027	5.041	5.038	-0.002
105	Max	5.078	5.077	0.002
105	Average	5.036	5.031	-0.005
105	Min	4.988	4.974	-0.018
105	Std Dev	0.020	0.021	0.005



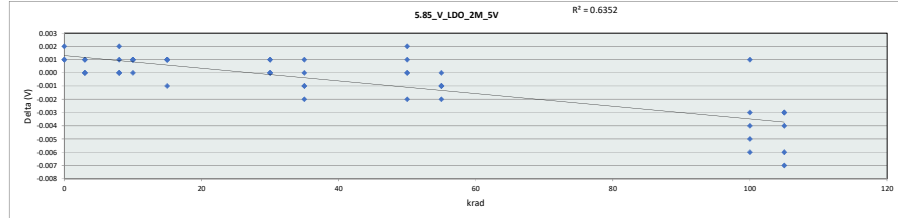
5.79_V_LDO_1M_14V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850
Min	5.007	5.019	5.021	4.987	4.998	5.006	4.988	4.974	5.015	5.001	5.013
Average	5.025	5.042	5.037	5.024	5.038	5.032	5.035	5.021	5.034	5.021	5.028
Max	5.038	5.077	5.053	5.074	5.067	5.049	5.051	5.049	5.050	5.043	5.039
UL	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150



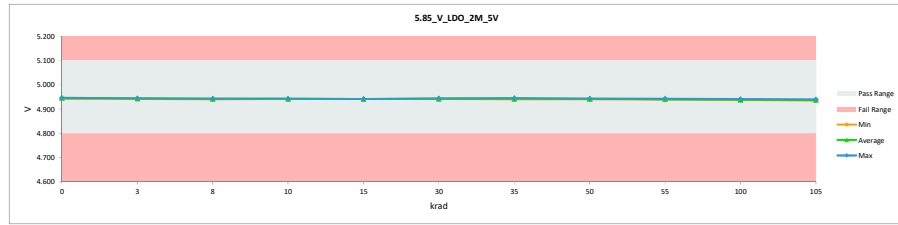
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.85_V_LDO_2M_5V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	4.942	4.943	0.001
0	726	4.942	4.944	0.002
0	791	4.945	4.946	0.001
3	689	4.944	4.944	0.000
3	688	4.943	4.944	0.001
3	700	4.944	4.944	0.000
3	482	4.940	4.941	0.001
3	1033	4.943	4.943	0.000
8	442	4.941	4.942	0.001
8	699	4.943	4.943	0.000
8	344	4.940	4.940	0.000
8	355	4.942	4.942	0.000
8	730	4.941	4.943	0.002
10	537	4.942	4.942	0.000
10	396	4.941	4.942	0.001
10	521	4.941	4.942	0.001
10	535	4.940	4.941	0.001
10	526	4.941	4.942	0.001
15	940	4.940	4.941	0.001
15	387	4.940	4.941	0.001
15	787	4.940	4.941	0.001
15	1042	4.940	4.941	0.001
15	483	4.942	4.941	-0.001
30	597	4.943	4.944	0.001
30	853	4.940	4.941	0.001
30	416	4.943	4.943	0.000
30	949	4.943	4.943	0.000
30	221	4.942	4.942	0.000
35	538	4.941	4.941	0.000
35	164	4.946	4.945	-0.001
35	1018	4.941	4.940	-0.001
35	462	4.946	4.944	-0.002
35	1032	4.942	4.943	0.001
50	566	4.940	4.942	0.002
50	197	4.943	4.943	0.000
50	793	4.943	4.941	-0.002
50	802	4.943	4.943	0.000
50	61	4.939	4.940	0.001
55	795	4.944	4.943	-0.001
55	921	4.939	4.938	-0.001
55	741	4.943	4.943	0.000
55	809	4.940	4.939	-0.001
55	804	4.941	4.939	-0.002
100	449	4.943	4.937	-0.006
100	541	4.944	4.939	-0.005
100	476	4.942	4.938	-0.004
100	45	4.941	4.938	-0.003
100	642	4.940	4.941	0.001
105	1036	4.942	4.935	-0.007
105	1038	4.943	4.940	-0.003
105	203	4.941	4.935	-0.006
105	1029	4.943	4.939	-0.004
105	1027	4.941	4.938	-0.003
105	Max	4.946	4.946	0.002
105	Average	4.942	4.941	-0.001
105	Min	4.939	4.935	-0.007
105	Std Dev	0.002	0.002	0.002



5.85_V_LDO_2M_5V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
Min	4.943	4.941	4.940	4.941	4.941	4.941	4.940	4.940	4.938	4.937	4.935
Average	4.944	4.943	4.942	4.942	4.941	4.943	4.943	4.942	4.940	4.939	4.937
Max	4.946	4.944	4.943	4.942	4.941	4.944	4.945	4.943	4.943	4.941	4.940
UL	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100	5.100

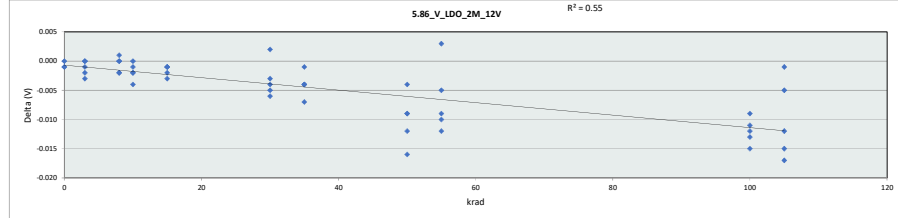


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

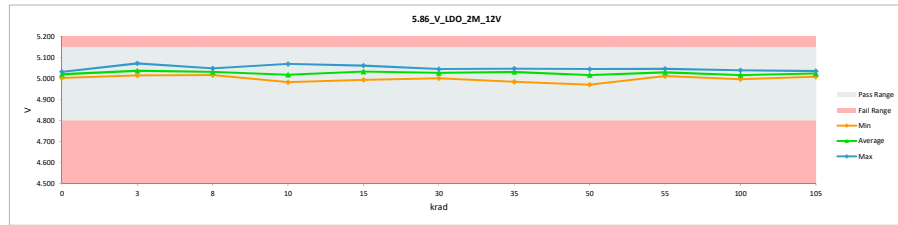
5.86_V_LDO_2M_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.15	4.8
5.15	4.8

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	5.003	5.003	0.000
0	726	5.034	5.033	-0.001
0	791	5.027	5.026	-0.001
3	689	5.016	5.015	-0.001
3	688	5.031	5.031	0.000
3	700	5.073	5.073	0.000
3	482	5.031	5.028	-0.003
3	1033	5.044	5.042	-0.002
8	442	5.037	5.035	-0.002
8	699	5.019	5.017	-0.002
8	344	5.036	5.037	0.001
8	355	5.049	5.049	0.000
8	790	5.027	5.027	0.000
10	537	4.984	4.983	-0.001
10	396	5.007	5.007	0.000
10	521	5.031	5.029	-0.002
10	535	5.011	5.007	-0.004
10	526	5.072	5.070	-0.002
15	940	5.038	5.037	-0.001
15	387	5.018	5.016	-0.002
15	787	5.059	5.058	-0.001
15	1042	4.997	4.994	-0.003
15	483	5.063	5.062	-0.001
30	597	5.008	5.002	-0.006
30	853	5.037	5.033	-0.004
30	416	5.034	5.029	-0.005
30	949	5.027	5.029	0.002
30	221	5.049	5.046	-0.003
35	538	4.986	4.985	-0.001
35	164	5.053	5.046	-0.007
35	1018	5.041	5.037	-0.004
35	462	5.045	5.041	-0.004
35	1032	5.052	5.048	-0.004
50	566	5.018	5.006	-0.012
50	197	5.055	5.046	-0.009
50	793	5.049	5.045	-0.004
50	802	4.987	4.971	-0.016
50	61	5.027	5.018	-0.009
55	795	5.033	5.023	-0.010
55	921	5.053	5.044	-0.009
55	741	5.044	5.047	0.003
55	809	5.030	5.025	-0.005
55	804	5.024	5.012	-0.012
100	449	5.006	4.997	-0.009
100	541	5.019	5.007	-0.012
100	476	5.038	5.023	-0.015
100	45	5.030	5.019	-0.011
100	642	5.053	5.040	-0.013
105	1036	5.014	5.009	-0.005
105	1038	5.029	5.014	-0.015
105	203	5.046	5.029	-0.017
105	1029	5.047	5.035	-0.012
105	1027	5.037	5.036	-0.001
105	Max	5.073	5.073	0.003
105	Average	5.032	5.027	-0.005
105	Min	4.984	4.971	-0.017
105	Std Dev	0.020	0.021	0.005



5.86_V_LDO_2M_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.15	4.8
5.15	4.8

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
Min	5.003	5.015	5.017	4.983	4.994	5.002	4.985	4.971	5.012	4.997	5.009
Average	5.021	5.038	5.033	5.019	5.033	5.028	5.031	5.017	5.030	5.017	5.025
Max	5.033	5.073	5.049	5.070	5.062	5.046	5.048	5.046	5.047	5.040	5.036
UL	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150

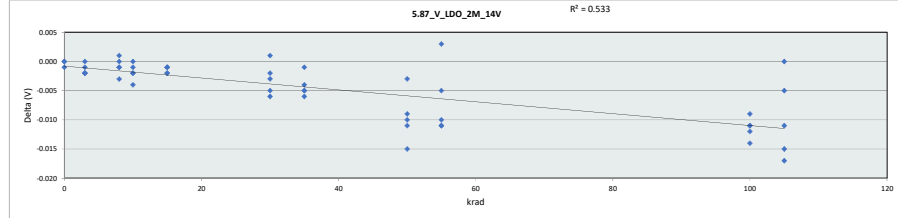


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

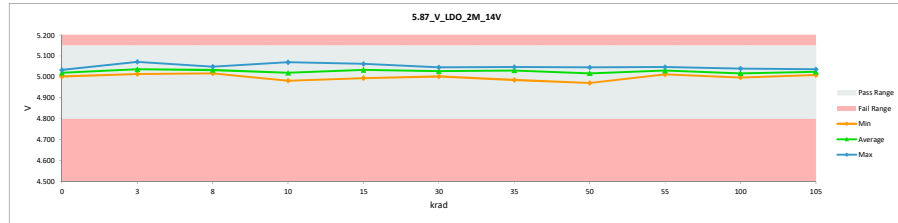
5.87_V_LDO_2M_14V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.15	4.8

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	5.003	5.002	-0.001
0	726	5.033	5.033	0.000
0	791	5.026	5.026	0.000
3	689	5.016	5.014	-0.002
3	688	5.030	5.030	0.000
3	700	5.073	5.072	-0.001
3	482	5.030	5.028	-0.002
3	1033	5.041	5.041	-0.002
8	442	5.037	5.034	-0.003
8	699	5.018	5.017	-0.001
8	344	5.036	5.037	0.001
8	355	5.049	5.049	0.000
8	790	5.027	5.026	-0.001
10	537	4.984	4.982	-0.002
10	396	5.007	5.007	0.000
10	521	5.031	5.029	-0.002
10	535	5.011	5.007	-0.004
10	526	5.071	5.070	-0.001
15	940	5.038	5.037	-0.001
15	387	5.018	5.016	-0.002
15	787	5.059	5.058	-0.001
15	1042	4.996	4.994	-0.002
15	483	5.063	5.062	-0.001
30	597	5.008	5.002	-0.006
30	853	5.036	5.033	-0.003
30	416	5.033	5.028	-0.005
30	949	5.027	5.028	0.001
30	221	5.048	5.046	-0.002
35	538	4.986	4.985	-0.001
35	164	5.052	5.046	-0.006
35	1018	5.041	5.036	-0.005
35	462	5.045	5.041	-0.004
35	1032	5.052	5.047	-0.005
50	566	5.017	5.006	-0.011
50	197	5.055	5.045	-0.010
50	793	5.048	5.045	-0.003
50	802	4.986	4.971	-0.015
50	61	5.027	5.018	-0.009
55	795	5.033	5.022	-0.011
55	921	5.053	5.043	-0.010
55	741	5.044	5.047	0.003
55	809	5.030	5.025	-0.005
55	804	5.023	5.012	-0.011
100	449	5.006	4.997	-0.009
100	541	5.018	5.007	-0.011
100	476	5.037	5.023	-0.014
100	45	5.030	5.019	-0.011
100	642	5.052	5.040	-0.012
105	1036	5.014	5.009	-0.005
105	1038	5.029	5.014	-0.015
105	203	5.046	5.029	-0.017
105	1029	5.046	5.035	-0.011
105	1027	5.036	5.036	0.000
105	Max	5.073	5.072	0.003
105	Average	5.031	5.027	-0.005
105	Min	4.984	4.971	-0.017
105	Std Dev	0.020	0.021	0.005



5.87_V_LDO_2M_14V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
5.15	4.8

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
Min	5.002	5.014	5.017	4.982	4.994	5.002	4.985	4.971	5.012	4.997	5.009
Average	5.020	5.037	5.033	5.019	5.033	5.027	5.031	5.017	5.030	5.017	5.025
Max	5.033	5.072	5.049	5.070	5.062	5.046	5.047	5.045	5.047	5.040	5.036
UL	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150	5.150

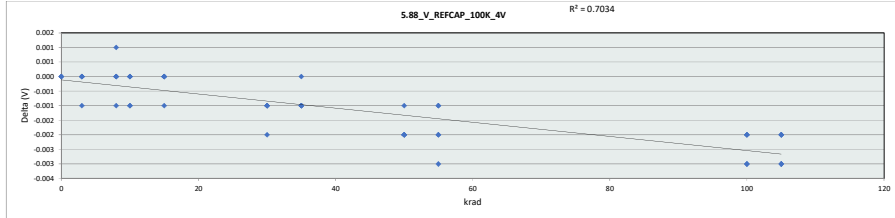


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

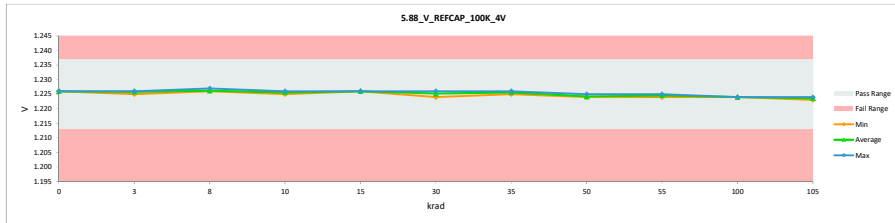
5.88_V_REFCAP_100K_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.226	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.225	-0.001
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.226	1.226	0.000
8	344	1.226	1.226	0.000
8	355	1.226	1.227	0.001
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.225	-0.001
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.226	-0.001
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.226	1.226	0.000
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.224	-0.002
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.226	1.225	-0.001
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.224	-0.002
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.224	-0.003
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.223	-0.003
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.226	1.224	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.225	1.224	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237

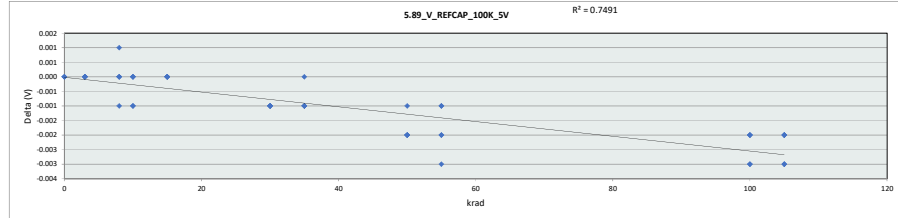




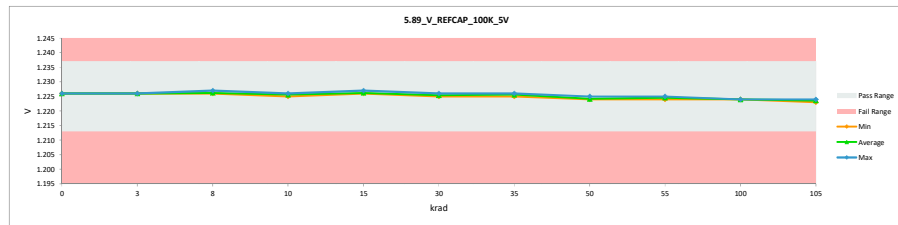
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.89_V_REFCAP_100K_5V				
Test Site	Tester	Unit	Max Limit	Min Limit
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.226	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.226	1.226	0.000
8	344	1.226	1.226	0.000
8	355	1.226	1.227	0.001
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.225	-0.001
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.226	1.226	0.000
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.226	1.225	-0.001
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.224	-0.002
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.224	-0.003
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.223	-0.003
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



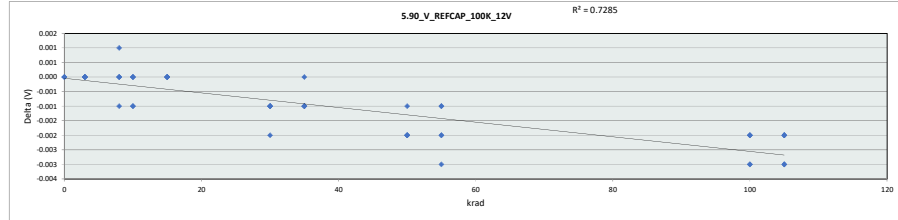
5.89_V_REFCAP_100K_5V															
Test Site	Tester	Unit	Max Limit	Min Limit	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.226	1.225	1.226	1.225	1.226	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224	1.224
Max	1.226	1.226	1.227	1.226	1.227	1.226	1.227	1.226	1.227	1.226	1.226	1.225	1.224	1.224	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



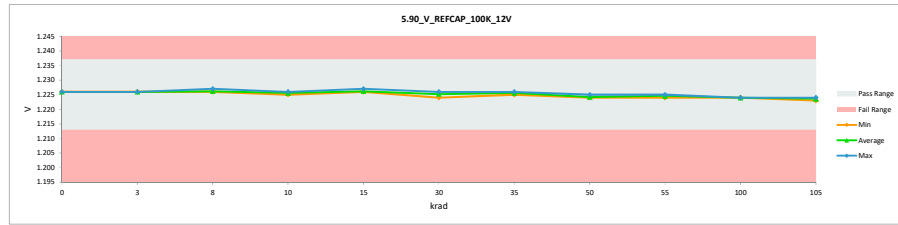
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.90_V_REFCAP_100K_12V				
Test Site	Tester	Test Number	Unit	Unit
		V	V	
Max Limit	1.237	1.237		
Min Limit	1.213	1.213		
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.226	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.226	1.226	0.000
8	344	1.226	1.226	0.000
8	355	1.226	1.227	0.001
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.225	-0.001
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.226	1.226	0.000
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.224	-0.002
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.226	1.225	-0.001
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.224	-0.002
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.224	-0.003
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.223	-0.003
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



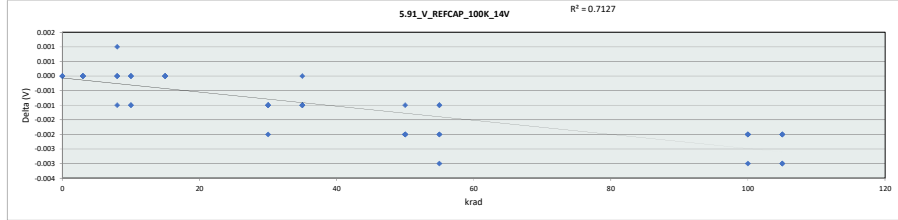
5.90_V_REFCAP_100K_12V											
Test Site	Tester	Test Number	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	
Max Limit	1.237	V									
Min Limit	1.213	V									
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.226	1.226	1.227	1.226	1.227	1.226	1.226	1.226	1.225	1.224	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



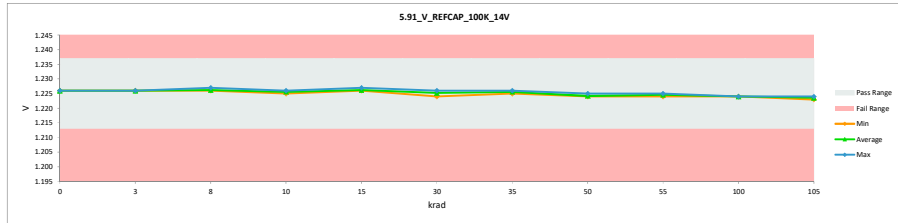
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.91_V_REFCAP_100K_14V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.226	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.226	1.226	0.000
8	344	1.226	1.226	0.000
8	355	1.226	1.227	0.001
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.225	-0.001
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.226	1.226	0.000
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.224	-0.002
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.226	1.225	-0.001
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.224	-0.002
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.226	1.224	-0.002
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.223	-0.003
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
	Average	1.226	1.225	-0.001
	Min	1.226	1.223	-0.003
	Std Dev	0.000	0.001	0.001



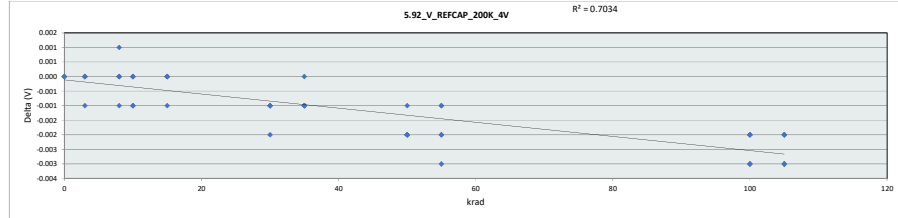
5.91_V_REFCAP_100K_14V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.226	1.225	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



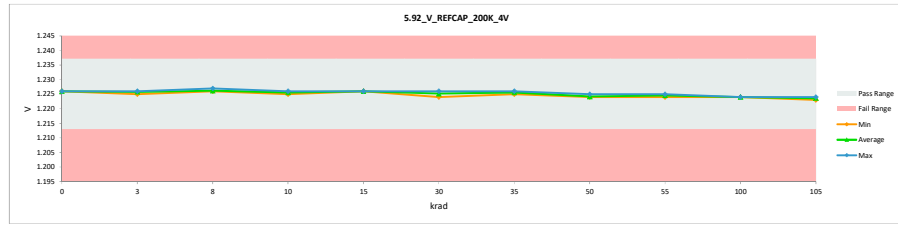
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.92_V_REFCAP_200K_4V				
Test Site	Tester	Test Number	Unit	Max Limit
		V	V	1.237
				1.213
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.226	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.225	-0.001
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.226	1.226	0.000
8	344	1.226	1.226	0.000
8	355	1.226	1.227	0.001
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.225	-0.001
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.226	-0.001
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.226	1.226	0.000
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.224	-0.002
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.226	1.225	-0.001
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.224	-0.002
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.224	-0.003
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.223	-0.003
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
	Average	1.226	1.225	-0.001
	Min	1.226	1.223	-0.003
	Std Dev	0.000	0.001	0.001



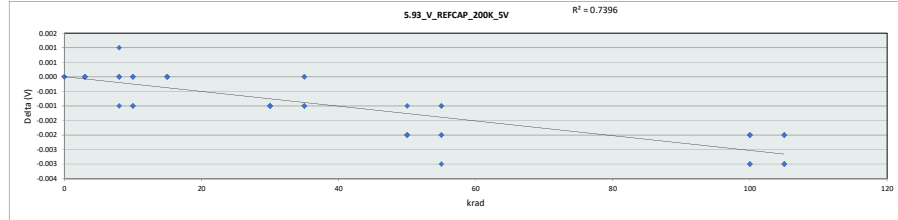
5.92_V_REFCAP_200K_4V											
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit						
		V	V	1.237	1.213						
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.225	1.226	1.225	1.226	1.224	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.225	1.224	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



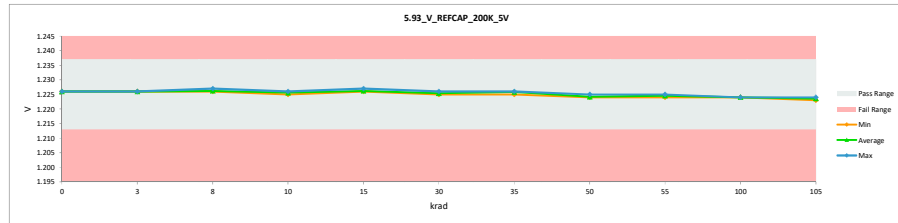
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.93_V_REFCAP_200K_5V				
Test Site	Tester	Unit	Max Limit	Min Limit
0	726	V	1.237	1.213
0	791	V	1.237	1.213
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.226	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.226	1.226	0.000
8	344	1.226	1.226	0.000
8	355	1.226	1.227	0.001
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.225	-0.001
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.226	1.226	0.000
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.226	1.226	0.000
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.224	-0.002
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.224	-0.003
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.223	-0.003
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



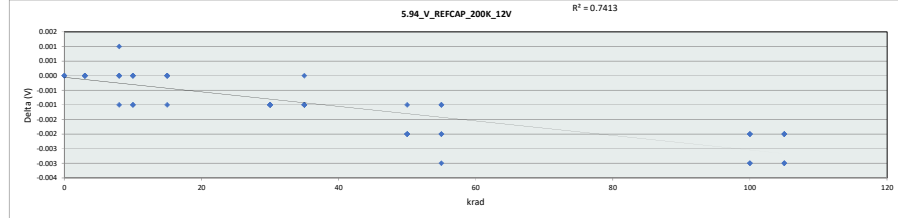
5.93_V_REFCAP_200K_5V											
Test Site	Tester	Unit	Max Limit	Min Limit							
0	726	V	1.237	1.213							
0	791	V	1.237	1.213							
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.225	1.224	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



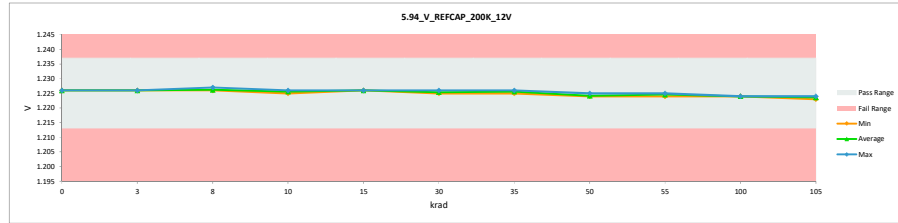
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.94_V_REFCAP_200K_12V				
Test Site	Tester	Test Number	Unit	Unit
		V	V	
Max Limit	1.237	1.237		
Min Limit	1.213	1.213		
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.226	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.226	1.226	0.000
8	344	1.226	1.226	0.000
8	355	1.226	1.227	0.001
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.225	-0.001
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.226	-0.001
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.226	1.226	0.000
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.226	1.225	-0.001
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.224	-0.002
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.224	-0.003
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.223	-0.003
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



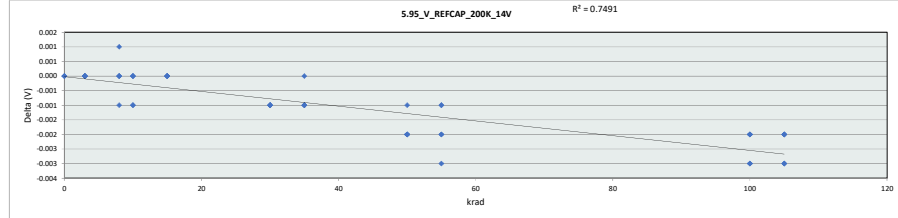
5.94_V_REFCAP_200K_12V											
Test Site	Tester	Test Number	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	
Max Limit	1.237	V									
Min Limit	1.213	V									
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.225	1.224	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



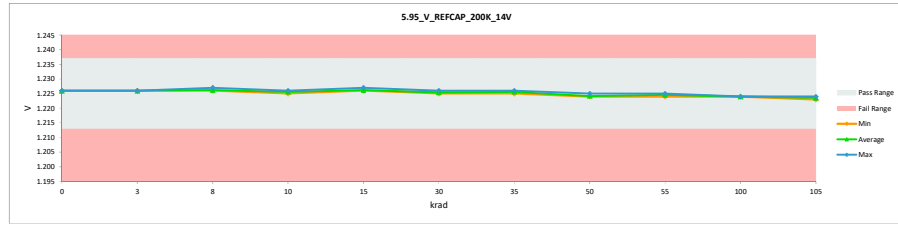
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.95_V_REFCAP_200K_14V				
Test Site	Tester	Test Number	Unit	Unit
		V	V	
Max Limit	1.237	1.237		
Min Limit	1.213	1.213		
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.226	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.226	1.226	0.000
8	344	1.226	1.226	0.000
8	355	1.226	1.227	0.001
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.225	-0.001
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.226	1.226	0.000
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.226	1.225	-0.001
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.224	-0.002
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.224	-0.003
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.223	-0.003
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
	Average	1.226	1.225	-0.001
	Min	1.226	1.223	-0.003
	Std Dev	0.000	0.001	0.001



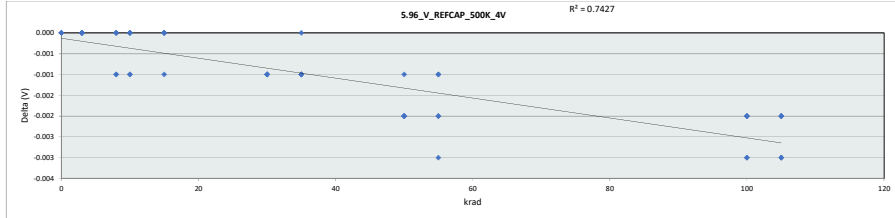
5.95_V_REFCAP_200K_14V											
Test Site	Tester	Test Number	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	
Max Limit	1.237	V									
Min Limit	1.213	V									
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.225	1.224	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



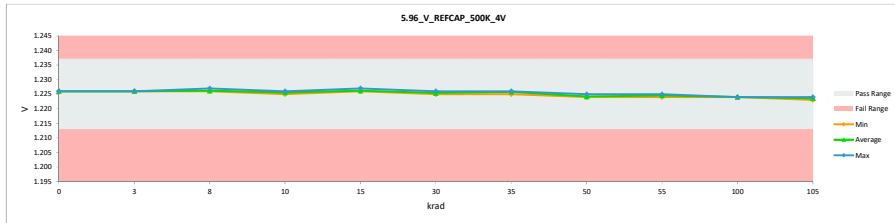
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.96_V_REFCAP_500K_4V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.226	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.227	1.226	-0.001
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.225	-0.001
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.224	-0.002
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.224	-0.003
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.223	-0.003
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.000
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



5.96_V_REFCAP_500K_4V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.225	1.224	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237

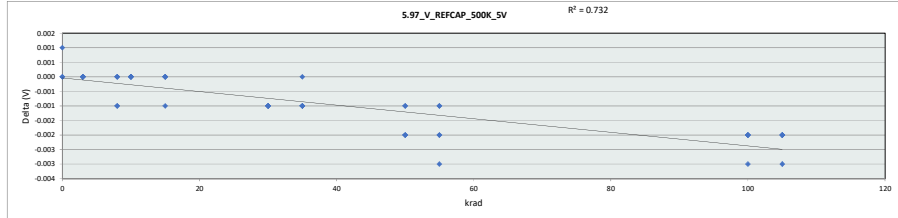




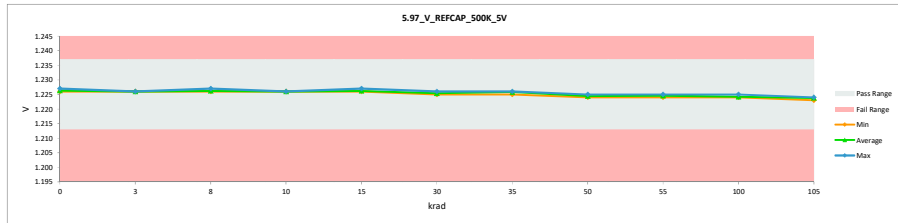
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.97_V_REFCAP_500K_5V				
Test Site	Tester	Test Number	Unit	Unit
			V	V
Max Limit		1.237		1.237
Min Limit		1.213		1.213
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.227	0.001
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.227	1.226	-0.001
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.226	0.000
10	535	1.226	1.226	0.000
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.225	-0.001
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



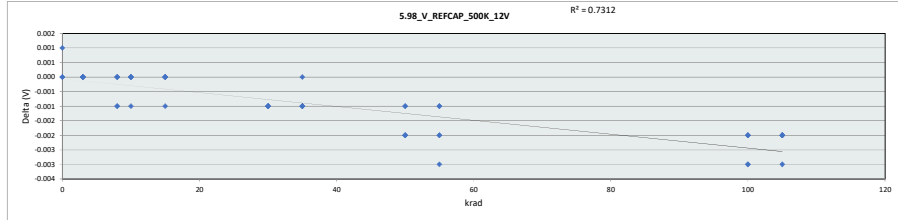
5.97_V_REFCAP_500K_5V											
Test Site	Tester	Test Number	Unit	Unit							
			V	V							
Max Limit		1.237		1.237							
Min Limit		1.213		1.213							
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.226	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.227	1.226	1.227	1.226	1.226	1.226	1.226	1.225	1.225	1.225	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



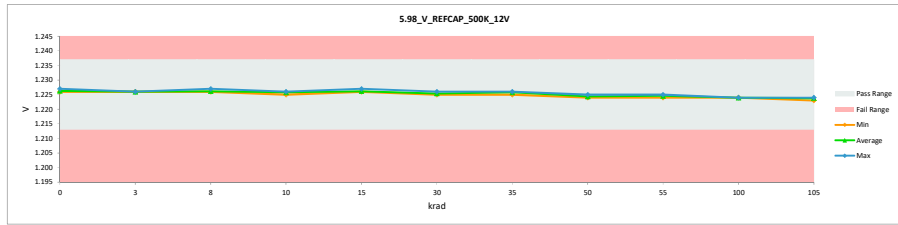
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.98_V_REFCAP_500K_12V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.227	0.001
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.227	1.226	-0.001
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.226	0.000
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.225	-0.001
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.224	-0.003
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



5.98_V_REFCAP_500K_12V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.227	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.225	1.224	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237

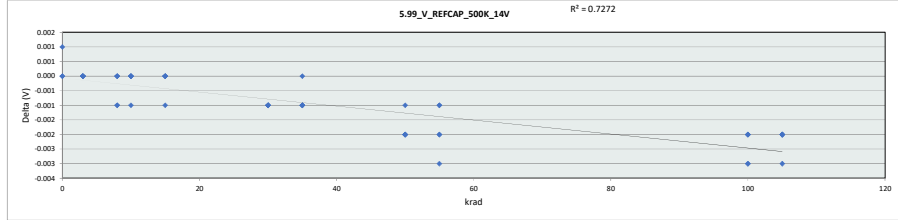


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

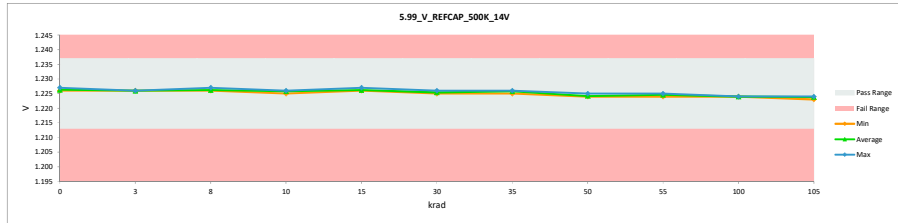
5.99_V_REFCAP_500K_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.227	0.001
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.227	1.226	-0.001
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.226	0.000
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.226	0.000
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.226	1.226	0.000
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.224	-0.002
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.224	-0.003
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



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

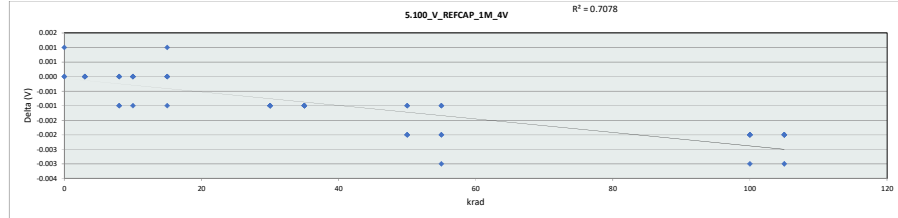
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.227	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.225	1.224	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



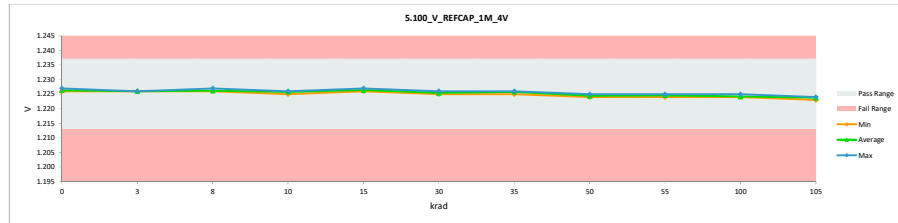
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.100_V_REFCAP_1M_4V				
Test Site	Tester	Unit	Max Limit	Min Limit
Test Number		V	1.237	1.213
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.226	1.227	0.001
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.227	1.226	-0.001
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.226	0.000
10	535	1.226	1.225	-0.001
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.227	0.001
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.226	-0.001
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.225	-0.001
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.226	1.224	-0.002
105	1036	1.226	1.224	-0.002
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.224	-0.002
105	Max	1.227	1.227	0.001
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



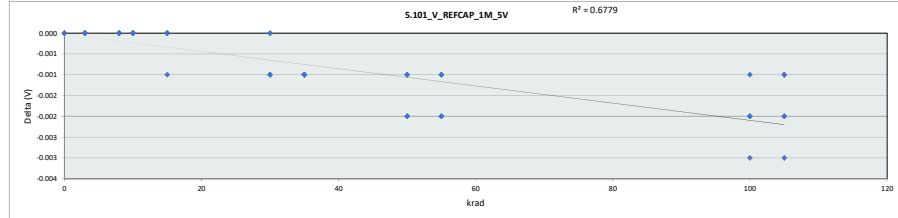
5.100_V_REFCAP_1M_4V											
Test Site	Tester	Unit	Max Limit	Min Limit							
Test Number		V	1.237	1.213							
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.225	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.227	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.225	1.225	1.224
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



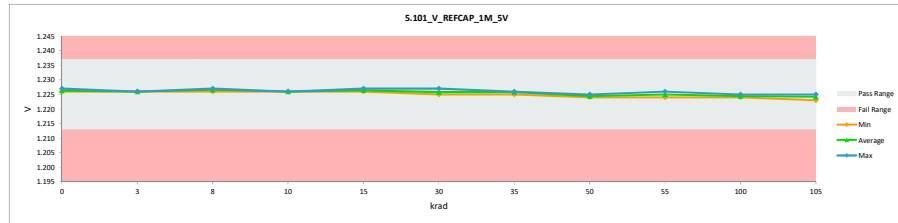
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

		S.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	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.227	1.227	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.227	0.000
8	699	1.227	1.227	0.000
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.226	0.000
10	535	1.226	1.226	0.000
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.227	1.227	0.000
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.227	0.000
30	853	1.226	1.225	-0.001
30	416	1.226	1.226	0.000
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.226	-0.001
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.225	-0.001
55	795	1.227	1.226	-0.001
55	921	1.227	1.225	-0.002
55	741	1.226	1.225	-0.001
55	809	1.227	1.225	-0.002
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.226	1.225	-0.001
105	1036	1.226	1.225	-0.001
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.225	-0.001
105	Max	1.227	1.227	0.000
105	Average	1.226	1.226	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



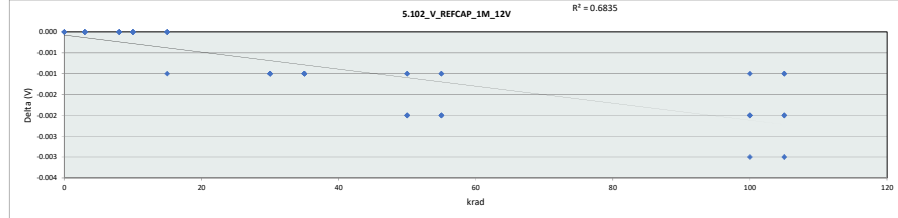
		S.101_V_REFCAP_1M_5V										
Test Site	Tester											
Test Number	Unit	V	V									
Max Limit		1.237	V									
Min Limit		1.213	V									
krad	0	3	8	10	15	30	35	50	55	100	105	
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	
Min	1.226	1.226	1.226	1.226	1.226	1.225	1.225	1.224	1.224	1.224	1.223	
Average	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.224	1.225	1.224	1.224	
Max	1.227	1.226	1.227	1.226	1.226	1.226	1.226	1.224	1.225	1.225	1.225	
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	



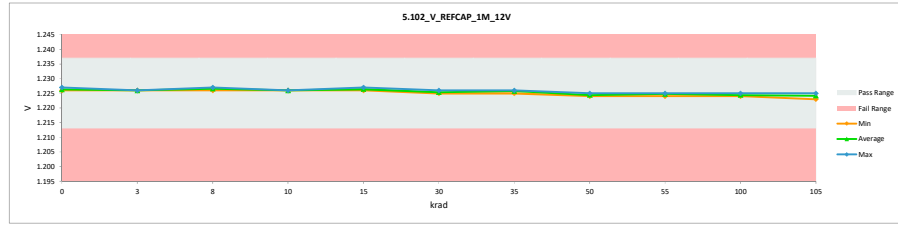
HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.102_V_REFCAP_1M_12V				
Test Site	Tester	Test Number	Unit	Unit
		V	V	
Max Limit	1.237	1.237		
Min Limit	1.213	1.213		
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.227	1.227	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.227	0.000
8	699	1.227	1.227	0.000
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.226	0.000
10	535	1.226	1.226	0.000
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.227	1.227	0.000
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.226	-0.001
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.225	-0.001
55	795	1.227	1.225	-0.002
55	921	1.227	1.225	-0.002
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.226	1.225	-0.001
105	1036	1.226	1.225	-0.001
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.225	-0.001
105	Max	1.227	1.227	0.000
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



5.102_V_REFCAP_1M_12V											
Test Site	Tester	Test Number	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		V	V								
Max Limit	1.237	V									
Min Limit	1.213	V									
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.226	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.227	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.227	1.226	1.227	1.226	1.226	1.225	1.226	1.225	1.225	1.225	1.225
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237

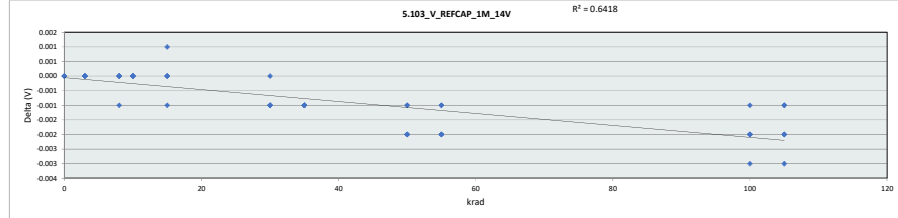


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

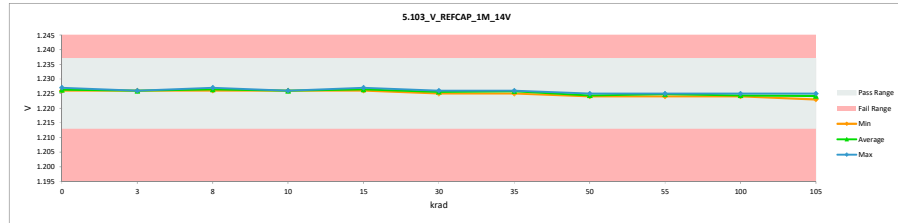
5.103_V_REFCAP_1M_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.227	1.227	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.227	1.227	0.000
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.226	0.000
10	535	1.226	1.226	0.000
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.227	0.001
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.226	0.000
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.226	-0.001
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.225	-0.001
55	795	1.227	1.225	-0.002
55	921	1.227	1.225	-0.002
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.226	1.225	-0.001
105	1036	1.226	1.225	-0.001
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.225	-0.001
105	Max	1.227	1.227	0.001
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.226	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.224	1.225	1.224	1.224
Max	1.227	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.225	1.225	1.225
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237

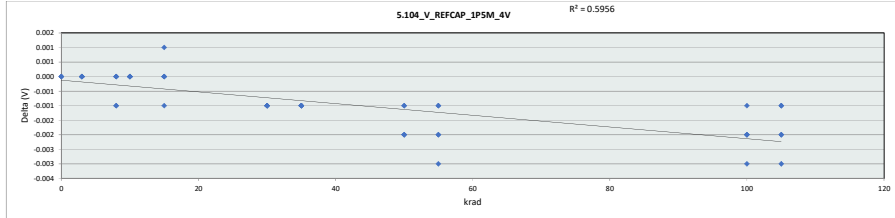


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

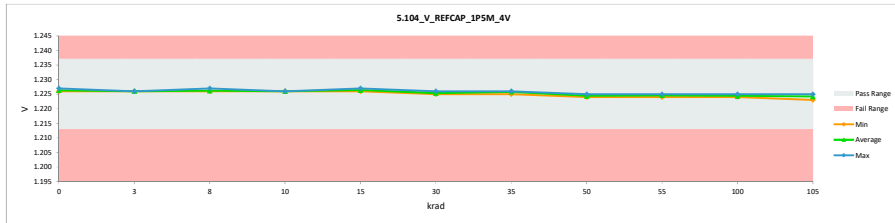
5.104_V_REFCAP_IP5M_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.227	1.227	0.000
3	689	1.226	1.226	0.000
3	688	1.226	1.226	0.000
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.226	-0.001
8	699	1.227	1.226	-0.001
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.226	1.226	0.000
10	535	1.226	1.226	0.000
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.226	1.227	0.001
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.226	-0.001
30	853	1.226	1.225	-0.001
30	416	1.226	1.225	-0.001
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.226	-0.001
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.225	-0.001
55	795	1.227	1.225	-0.002
55	921	1.227	1.224	-0.003
55	741	1.226	1.225	-0.001
55	809	1.226	1.225	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.226	1.225	-0.001
105	1036	1.226	1.225	-0.001
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.225	-0.001
105	Max	1.227	1.227	0.001
105	Average	1.226	1.225	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



5.104_V_REFCAP_IP5M_4V	
Test Site	
Tester	
Test Number	
Max Limit	1.237
Min Limit	1.213

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.226	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Max	1.227	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.225	1.225	1.225
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237

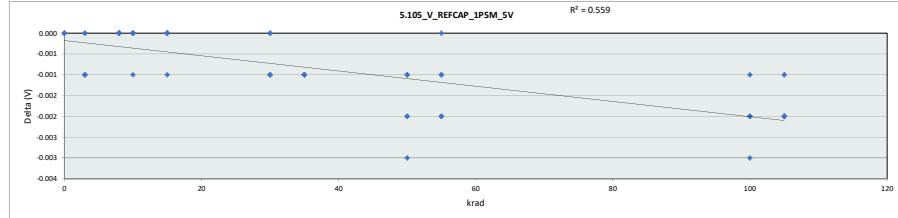




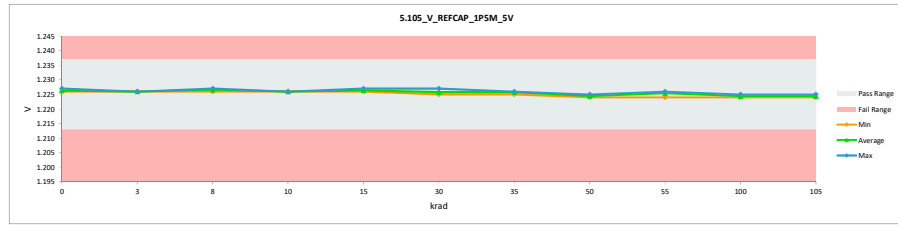
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.105_V_REFCAP_IP5M_SV				
Test Site	Tester	Unit	Max Limit	Min Limit
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.227	1.227	0.000
3	689	1.227	1.226	-0.001
3	688	1.227	1.226	-0.001
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.227	1.226	-0.001
8	442	1.227	1.227	0.000
8	699	1.227	1.227	0.000
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.227	1.226	-0.001
10	535	1.226	1.226	0.000
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.227	1.227	0.000
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.227	0.000
30	853	1.226	1.225	-0.001
30	416	1.226	1.226	0.000
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.226	-0.001
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.227	1.224	-0.003
50	61	1.226	1.225	-0.001
55	795	1.227	1.226	-0.001
55	921	1.227	1.225	-0.002
55	741	1.226	1.226	0.000
55	809	1.227	1.226	-0.001
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.226	1.225	-0.001
105	1036	1.226	1.225	-0.001
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.224	-0.002
105	1027	1.227	1.225	-0.002
105	Max	1.227	1.227	0.000
105	Average	1.226	1.226	-0.001
105	Min	1.226	1.224	-0.003
105	Std Dev	0.001	0.001	0.001



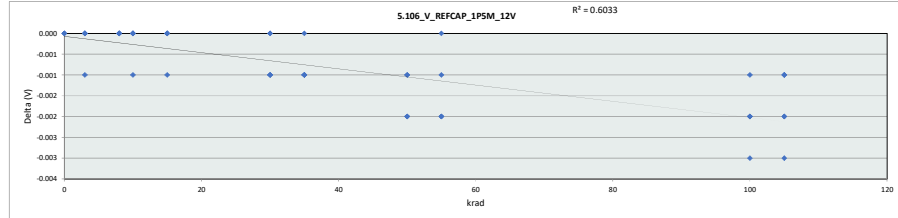
5.105_V_REFCAP_IP5M_SV															
Test Site	Tester	Unit	Max Limit	Min Limit	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.225	1.225	1.224	1.224	1.224	1.224
Average	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.224	1.225	1.224	1.224
Max	1.227	1.226	1.227	1.226	1.226	1.227	1.227	1.227	1.227	1.227	1.227	1.226	1.225	1.225	1.225
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



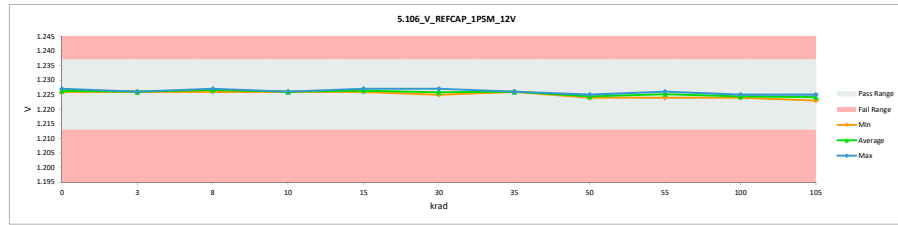
HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.106_V_REFCAP_1P5M_12V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.227	1.227	0.000
3	689	1.226	1.226	0.000
3	688	1.227	1.226	-0.001
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.227	0.000
8	699	1.227	1.227	0.000
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.227	1.226	-0.001
10	535	1.226	1.226	0.000
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.227	1.227	0.000
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.227	0.000
30	853	1.226	1.225	-0.001
30	416	1.226	1.226	0.000
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.226	0.000
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.226	-0.001
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.225	-0.001
55	795	1.227	1.226	-0.001
55	921	1.227	1.225	-0.002
55	741	1.226	1.226	0.000
55	809	1.227	1.225	-0.002
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.226	1.225	-0.001
105	1036	1.226	1.225	-0.001
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.225	-0.001
105	Max	1.227	1.227	0.000
105	Average	1.226	1.226	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



5.106_V_REFCAP_1P5M_12V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.224	1.225	1.224	1.224
Max	1.227	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.226	1.225	1.225
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237

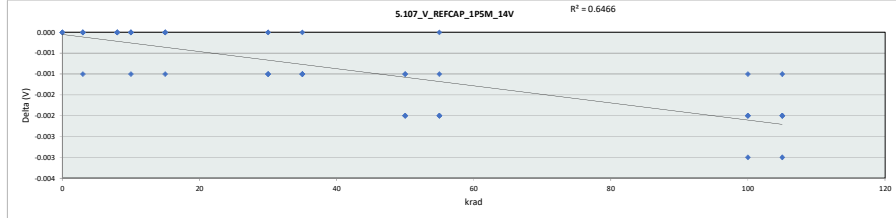


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

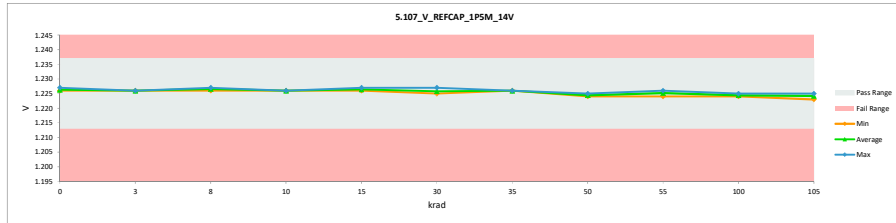
5.107_V_REFCAP_1PSM_14V	
Test Site	Tester
Test Number	Unit
Max Limit	V
Min Limit	V
	1.237
	1.213

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.227	1.227	0.000
3	689	1.226	1.226	0.000
3	688	1.227	1.226	-0.001
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.227	0.000
8	699	1.227	1.227	0.000
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.227	1.226	-0.001
10	535	1.226	1.226	0.000
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.227	1.227	0.000
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.227	0.000
30	853	1.226	1.225	-0.001
30	416	1.226	1.226	0.000
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.226	0.000
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.226	-0.001
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.226	1.224	-0.002
50	61	1.226	1.225	-0.001
55	795	1.227	1.226	-0.001
55	921	1.227	1.225	-0.002
55	741	1.226	1.226	0.000
55	809	1.227	1.225	-0.002
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.226	1.225	-0.001
105	1036	1.226	1.225	-0.001
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.227	1.225	-0.002
105	Max	1.227	1.227	0.000
	Average	1.226	1.226	-0.001
	Min	1.226	1.223	-0.003
	Std Dev	0.000	0.001	0.001



5.107_V_REFCAP_1PSM_14V	
Test Site	Tester
Test Number	Unit
Max Limit	V
Min Limit	V
	1.237
	1.213

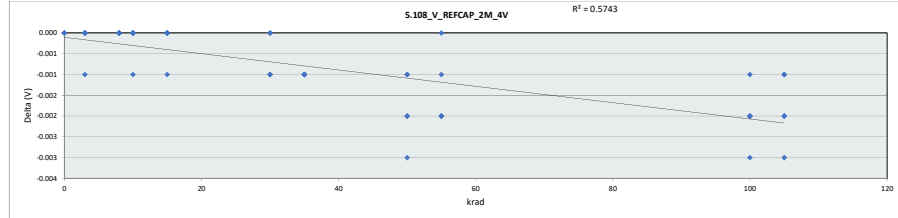
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.224	1.225	1.224	1.224
Max	1.227	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.226	1.225	1.225
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



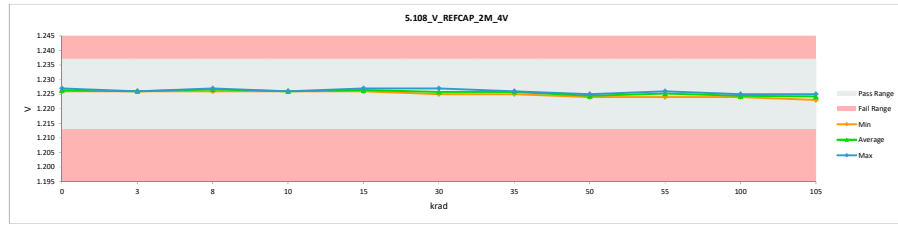
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.108_V_REFCAP_2M_4V				
Test Site	Tester	Test Number	Unit	Unit
			V	V
Max Limit		1.237		1.237
Min Limit		1.213		1.213
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.227	1.227	0.000
3	689	1.226	1.226	0.000
3	688	1.227	1.226	-0.001
3	700	1.226	1.226	0.000
3	482	1.226	1.226	0.000
3	1033	1.226	1.226	0.000
8	442	1.227	1.227	0.000
8	699	1.227	1.227	0.000
8	344	1.226	1.226	0.000
8	355	1.227	1.227	0.000
8	790	1.226	1.226	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.227	1.226	-0.001
10	535	1.226	1.226	0.000
10	526	1.226	1.226	0.000
15	940	1.227	1.227	0.000
15	387	1.226	1.226	0.000
15	787	1.227	1.227	0.000
15	1042	1.227	1.226	-0.001
15	483	1.226	1.226	0.000
30	597	1.227	1.227	0.000
30	853	1.226	1.225	-0.001
30	416	1.226	1.226	0.000
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.226	1.225	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.226	-0.001
35	1032	1.227	1.226	-0.001
50	566	1.226	1.224	-0.002
50	197	1.226	1.224	-0.002
50	793	1.226	1.225	-0.001
50	802	1.227	1.224	-0.003
50	61	1.226	1.225	-0.001
55	795	1.227	1.226	-0.001
55	921	1.227	1.225	-0.002
55	741	1.226	1.226	0.000
55	809	1.227	1.225	-0.002
55	804	1.226	1.224	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.226	1.225	-0.001
105	1036	1.226	1.225	-0.001
105	1038	1.226	1.224	-0.002
105	203	1.226	1.224	-0.002
105	1029	1.226	1.223	-0.003
105	1027	1.226	1.225	-0.001
105	Max	1.227	1.227	0.000
105	Average	1.226	1.226	-0.001
105	Min	1.226	1.223	-0.003
105	Std Dev	0.000	0.001	0.001



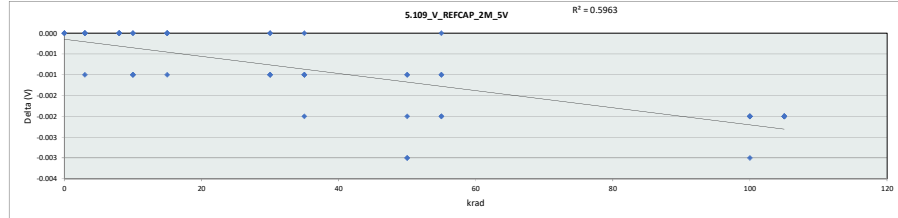
5.108_V_REFCAP_2M_4V											
Test Site	Tester	Test Number	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit	Unit
			V	V	V	V	V	V	V	V	V
Max Limit		1.237									
Min Limit		1.213									
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.226	1.226	1.225	1.225	1.224	1.224	1.224	1.223
Average	1.226	1.226	1.227	1.226	1.226	1.226	1.226	1.224	1.225	1.224	1.224
Max	1.227	1.226	1.227	1.226	1.226	1.226	1.226	1.226	1.226	1.225	1.225
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



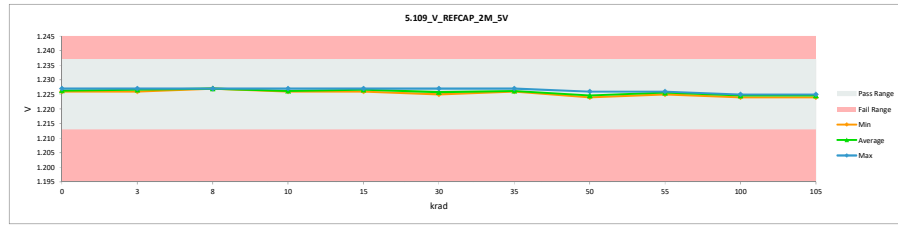
HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

		S.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	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.227	1.227	0.000
3	689	1.227	1.226	-0.001
3	688	1.227	1.227	0.000
3	700	1.227	1.227	0.000
3	482	1.226	1.226	0.000
3	1033	1.227	1.227	0.000
8	442	1.227	1.227	0.000
8	699	1.227	1.227	0.000
8	344	1.227	1.227	0.000
8	355	1.227	1.227	0.000
8	790	1.227	1.227	0.000
10	537	1.227	1.226	-0.001
10	396	1.227	1.227	0.000
10	521	1.227	1.226	-0.001
10	535	1.226	1.226	0.000
10	526	1.227	1.226	-0.001
15	940	1.227	1.227	0.000
15	387	1.227	1.226	-0.001
15	787	1.227	1.227	0.000
15	1042	1.227	1.227	0.000
15	483	1.226	1.226	0.000
30	597	1.227	1.227	0.000
30	853	1.226	1.225	-0.001
30	416	1.226	1.226	0.000
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.227	1.226	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.227	0.000
35	1032	1.228	1.226	-0.002
50	566	1.226	1.224	-0.002
50	197	1.227	1.224	-0.003
50	793	1.227	1.226	-0.001
50	802	1.227	1.224	-0.003
50	61	1.226	1.225	-0.001
55	795	1.227	1.226	-0.001
55	921	1.227	1.225	-0.002
55	741	1.226	1.226	0.000
55	809	1.227	1.226	-0.001
55	804	1.227	1.225	-0.002
100	449	1.226	1.224	-0.002
100	541	1.227	1.225	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.227	1.225	-0.002
105	1036	1.227	1.225	-0.002
105	1038	1.226	1.224	-0.002
105	203	1.227	1.225	-0.002
105	1029	1.226	1.224	-0.002
105	1027	1.227	1.225	-0.002
105	Max	1.228	1.227	0.000
105	Average	1.227	1.226	-0.001
105	Min	1.226	1.224	-0.003
105	Std Dev	0.000	0.001	0.001



		S.109_V_REFCAP_2M_5V										
Test Site	Tester											
Test Number	Unit	V	V									
Max Limit		1.237	V									
Min Limit		1.213	V									
krad	0	3	8	10	15	30	35	50	55	100	105	
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.227	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224	1.224
Average	1.226	1.227	1.227	1.226	1.227	1.226	1.226	1.225	1.226	1.225	1.225	1.225
Max	1.227	1.227	1.227	1.227	1.227	1.227	1.227	1.226	1.227	1.226	1.225	1.225
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237

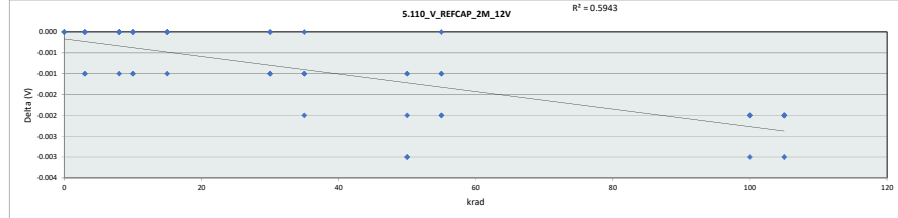


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

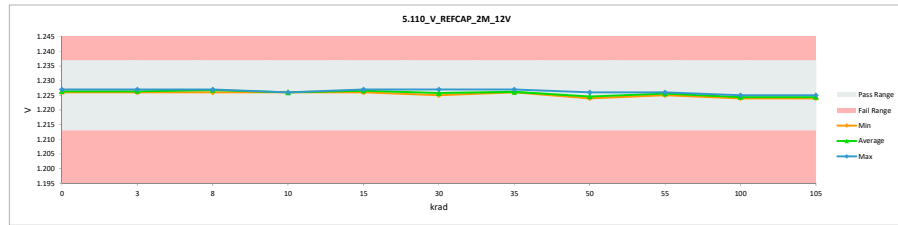
5.110_V_REFCAP_2M_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.237
Min Limit	1.213

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.227	1.227	0.000
3	689	1.227	1.226	-0.001
3	688	1.227	1.227	0.000
3	700	1.227	1.227	0.000
3	482	1.226	1.226	0.000
3	1033	1.227	1.226	-0.001
8	442	1.227	1.227	0.000
8	699	1.227	1.227	0.000
8	344	1.227	1.226	-0.001
8	355	1.227	1.227	0.000
8	750	1.227	1.227	0.000
10	537	1.226	1.226	0.000
10	396	1.226	1.226	0.000
10	521	1.227	1.226	-0.001
10	535	1.226	1.226	0.000
10	526	1.227	1.226	-0.001
15	940	1.227	1.227	0.000
15	387	1.227	1.226	-0.001
15	787	1.227	1.227	0.000
15	1042	1.227	1.227	0.000
15	483	1.226	1.226	0.000
30	597	1.227	1.227	0.000
30	853	1.226	1.225	-0.001
30	416	1.226	1.226	0.000
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.227	1.226	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.227	0.000
35	1032	1.228	1.226	-0.002
50	566	1.226	1.224	-0.002
50	197	1.227	1.224	-0.003
50	793	1.227	1.226	-0.001
50	802	1.227	1.224	-0.003
50	61	1.226	1.225	-0.001
55	795	1.227	1.226	-0.001
55	921	1.227	1.225	-0.002
55	741	1.226	1.226	0.000
55	809	1.227	1.226	-0.001
55	804	1.227	1.225	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.227	1.225	-0.002
105	1036	1.227	1.225	-0.002
105	1038	1.226	1.224	-0.002
105	203	1.227	1.224	-0.003
105	1029	1.226	1.224	-0.002
105	1027	1.227	1.225	-0.002
105	Max	1.228	1.227	0.000
105	Average	1.227	1.226	-0.001
105	Min	1.226	1.224	-0.003
105	Std Dev	0.001	0.001	0.001



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

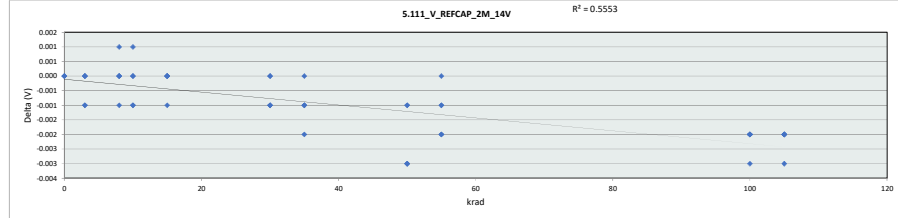
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.225	1.224	1.224
Average	1.226	1.226	1.227	1.226	1.227	1.226	1.226	1.225	1.226	1.224	1.224
Max	1.227	1.227	1.227	1.226	1.227	1.226	1.227	1.226	1.226	1.225	1.225
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



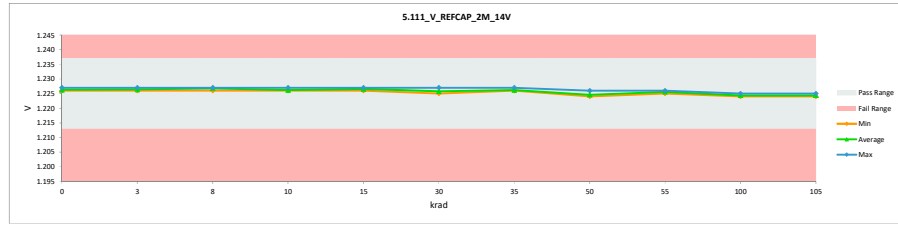
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

5.111_V_REFCAP_2M_14V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.226	1.226	0.000
0	726	1.226	1.226	0.000
0	791	1.227	1.227	0.000
3	689	1.227	1.226	-0.001
3	688	1.227	1.227	0.000
3	700	1.227	1.227	0.000
3	482	1.226	1.226	0.000
3	1033	1.227	1.226	-0.001
8	442	1.227	1.227	0.000
8	699	1.227	1.227	0.000
8	344	1.227	1.226	-0.001
8	355	1.227	1.227	0.000
8	790	1.226	1.227	0.001
10	537	1.226	1.226	0.000
10	396	1.226	1.227	0.001
10	521	1.227	1.226	-0.001
10	535	1.226	1.226	0.000
10	526	1.227	1.226	-0.001
15	940	1.227	1.227	0.000
15	387	1.227	1.226	-0.001
15	787	1.227	1.227	0.000
15	1042	1.227	1.227	0.000
15	483	1.226	1.226	0.000
30	597	1.227	1.227	0.000
30	853	1.226	1.225	-0.001
30	416	1.226	1.226	0.000
30	949	1.227	1.226	-0.001
30	221	1.226	1.225	-0.001
35	538	1.227	1.226	-0.001
35	164	1.227	1.226	-0.001
35	1018	1.227	1.226	-0.001
35	462	1.227	1.227	0.000
35	1032	1.228	1.226	-0.002
50	566	1.227	1.224	-0.003
50	197	1.227	1.224	-0.003
50	793	1.227	1.226	-0.001
50	802	1.227	1.224	-0.003
50	61	1.226	1.225	-0.001
55	795	1.227	1.226	-0.001
55	921	1.227	1.225	-0.002
55	741	1.226	1.226	0.000
55	809	1.227	1.226	-0.001
55	804	1.227	1.225	-0.002
100	449	1.226	1.224	-0.002
100	541	1.226	1.224	-0.002
100	476	1.227	1.225	-0.002
100	45	1.227	1.224	-0.003
100	642	1.227	1.225	-0.002
105	1036	1.227	1.225	-0.002
105	1038	1.226	1.224	-0.002
105	203	1.227	1.224	-0.003
105	1029	1.226	1.224	-0.002
105	1027	1.227	1.225	-0.002
105	Max	1.228	1.227	0.001
	Average	1.227	1.226	-0.001
	Min	1.226	1.224	-0.003
	Std Dev	0.001	0.001	0.001



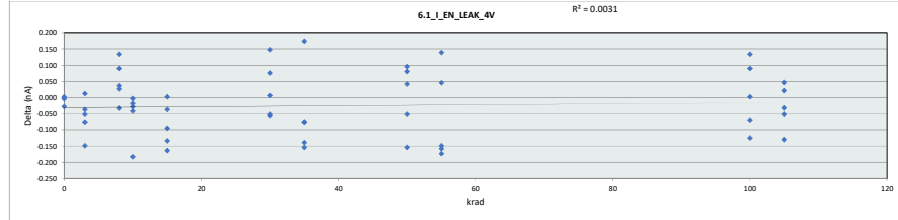
5.111_V_REFCAP_2M_14V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213	1.213
Min	1.226	1.226	1.226	1.226	1.226	1.226	1.226	1.225	1.226	1.224	1.224
Average	1.226	1.226	1.227	1.226	1.227	1.226	1.226	1.225	1.226	1.224	1.224
Max	1.227	1.227	1.227	1.227	1.227	1.227	1.227	1.226	1.227	1.225	1.225
UL	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237	1.237



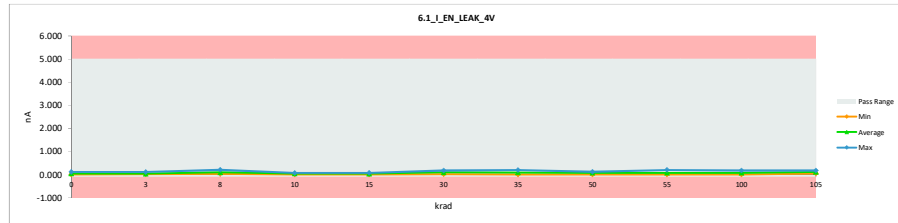
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

		6.1_I_EN_LEAK_4V		
Test Site	Tester			
Test Number				
Unit	nA	nA		
Max Limit	5	5		
Min Limit	-0.1	-0.1		
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.112	0.115	0.003
0	726	0.015	0.012	-0.003
0	791	0.034	0.007	-0.027
3	689	0.024	0.037	0.013
3	688	0.063	0.027	-0.036
3	700	0.161	0.110	-0.051
3	482	0.171	0.022	-0.149
3	1033	0.141	0.017	-0.076
8	442	0.073	0.207	0.134
8	699	0.034	0.071	0.037
8	344	0.024	0.051	0.027
8	355	0.015	0.105	0.090
8	790	0.073	0.041	-0.032
10	537	0.054	0.056	-0.017
10	396	0.112	0.071	-0.041
10	521	0.210	0.027	-0.183
10	535	0.034	0.007	-0.027
10	526	0.073	0.071	-0.002
15	940	0.132	0.037	-0.095
15	387	0.210	0.076	-0.134
15	787	0.171	0.007	-0.164
15	1042	0.024	0.027	0.003
15	483	0.102	0.066	-0.036
30	597	0.015	0.163	0.148
30	853	0.054	0.061	0.007
30	416	0.102	0.178	0.076
30	949	0.073	0.022	-0.051
30	221	0.122	0.066	-0.056
35	538	0.024	0.198	0.174
35	164	0.259	0.105	-0.154
35	1018	0.141	0.002	-0.139
35	462	0.122	0.046	-0.076
35	1032	0.171	0.095	-0.076
50	566	0.161	0.007	-0.154
50	197	0.034	0.076	0.042
50	793	0.024	0.120	0.096
50	802	0.024	0.115	0.081
50	61	0.122	0.071	-0.051
55	795	0.151	0.002	-0.149
55	921	0.190	0.032	-0.158
55	741	0.063	0.202	0.139
55	809	0.190	0.017	-0.173
55	804	0.093	0.139	0.046
100	449	0.102	0.032	-0.070
100	541	0.132	0.007	-0.125
100	476	0.044	0.178	0.134
100	45	0.005	0.095	0.090
100	642	0.063	0.066	0.003
105	1036	0.181	0.051	-0.130
105	1038	0.112	0.081	-0.031
105	203	0.102	0.124	0.022
105	1029	0.102	0.149	0.047
105	1027	0.229	0.178	-0.051
105	Max	0.259	0.207	0.174
105	Average	0.099	0.074	-0.025
105	Min	0.005	0.002	-0.183
105	Std Dev	0.064	0.058	0.093



		6.1_I_EN_LEAK_4V										
Test Site	Tester											
Test Number												
Max Limit	5	nA										
Min Limit	-0.1	nA										
krad	0	3	8	10	15	30	35	50	55	100	105	
LL	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	
Min	0.007	0.017	0.041	0.007	0.007	0.022	0.002	0.007	0.002	0.007	0.051	
Average	0.045	0.043	0.095	0.046	0.043	0.098	0.089	0.078	0.078	0.076	0.117	
Max	0.115	0.110	0.207	0.071	0.076	0.178	0.198	0.120	0.202	0.178	0.178	
UL	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	

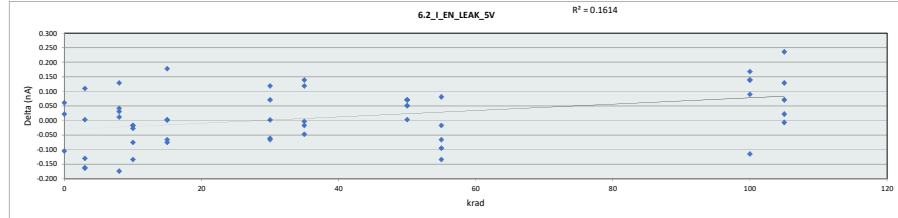




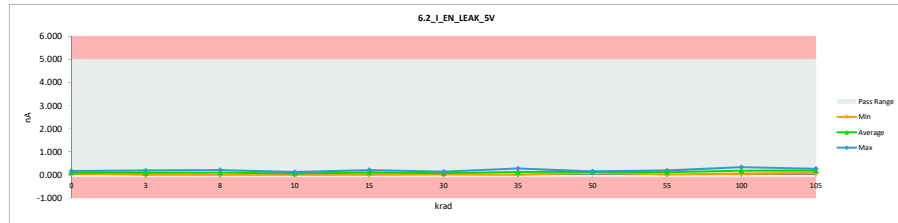
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

		6.2_I_EN_LEAK_SV		
Test Site	Tester			
Test Number	Unit	nA	nA	
Max Limit	Min Limit	5	5	-0.1
Min Limit		-0.1		
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.166	0.061	-0.105
0	726	0.010	0.071	0.061
0	791	0.146	0.168	0.022
3	689	0.234	0.071	-0.163
3	688	0.029	0.139	0.110
3	700	0.195	0.032	-0.163
3	482	0.185	0.188	0.003
3	1033	0.137	0.007	-0.130
8	442	0.176	0.002	-0.174
8	699	0.078	0.207	0.129
8	344	0.059	0.090	0.031
8	355	0.049	0.061	0.012
8	790	0.117	0.159	0.042
10	537	0.078	0.051	-0.027
10	396	0.205	0.071	-0.134
10	521	0.195	0.120	-0.075
10	535	0.068	0.051	-0.017
10	526	0.029	0.012	-0.017
15	940	0.166	0.100	-0.066
15	387	0.127	0.129	0.002
15	787	0.039	0.217	0.178
15	1042	0.146	0.071	-0.075
15	483	0.010	0.012	0.002
30	597	0.020	0.139	0.119
30	853	0.039	0.041	0.002
30	416	0.098	0.037	-0.061
30	949	0.088	0.022	-0.066
30	221	0.029	0.100	0.071
35	538	0.137	0.276	0.139
35	164	0.059	0.012	-0.047
35	1018	0.146	0.129	-0.017
35	462	0.098	0.095	-0.003
35	1032	0.010	0.129	0.119
50	566	0.098	0.149	0.051
50	197	0.146	0.149	0.003
50	793	0.078	0.149	0.071
50	802	0.049	0.100	0.051
50	61	0.049	0.120	0.071
55	795	0.117	0.022	-0.095
55	921	0.273	0.139	-0.134
55	741	0.166	0.149	-0.017
55	809	0.107	0.188	0.081
55	804	0.166	0.100	-0.066
100	449	0.020	0.159	0.139
100	541	0.000	0.090	0.090
100	476	0.117	0.256	0.139
100	45	0.166	0.051	-0.115
100	642	0.166	0.334	0.168
105	1036	0.088	0.081	-0.007
105	1038	0.195	0.266	0.071
105	203	0.137	0.159	0.022
105	1029	0.020	0.256	0.236
105	1027	0.059	0.188	0.129
105	Max	0.273	0.334	0.256
105	Average	0.105	0.117	0.011
105	Min	0.000	0.002	-0.174
105	Std Dev	0.066	0.077	0.097



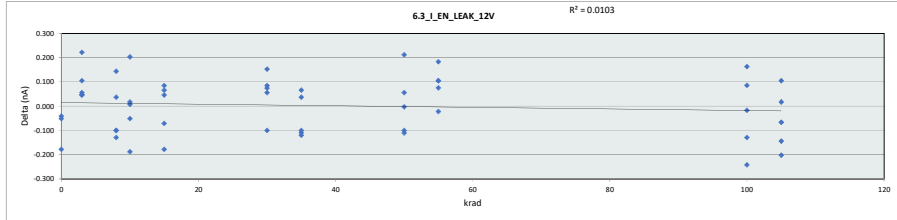
		6.2_I_EN_LEAK_SV										
Test Site	Tester											
Test Number	Unit	nA	nA									
Max Limit	Min Limit	5	nA									
Min Limit		-0.1	nA									
krad	0	3	8	10	15	30	35	50	55	100	105	
LL	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min	0.061	0.007	0.002	0.012	0.012	0.022	0.012	0.100	0.022	0.051	0.081	0.081
Average	0.100	0.087	0.104	0.061	0.106	0.068	0.128	0.133	0.120	0.178	0.190	
Max	0.168	0.188	0.207	0.120	0.217	0.139	0.276	0.149	0.188	0.334	0.266	
UL	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000



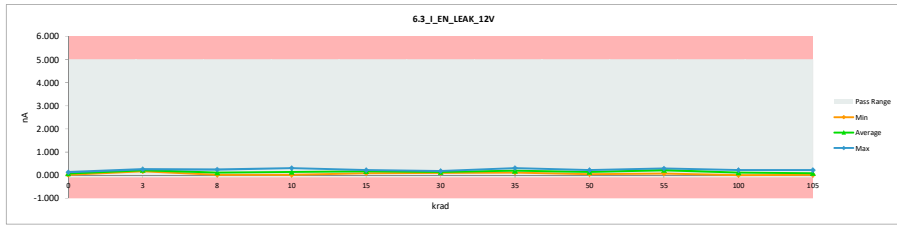
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

		6.3_I_EN_LEAK_12V		
Test Site	Tester			
Test Number	Unit	nA	nA	
Max Limit		5	5	
Min Limit		-0.1	-0.1	
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.312	0.134	-0.178
0	726	0.068	0.017	-0.051
0	791	0.117	0.076	-0.041
3	689	0.146	0.193	0.047
3	688	0.215	0.261	0.046
3	700	0.117	0.222	0.105
3	482	0.010	0.232	0.222
3	1033	0.215	0.173	0.056
8	442	0.146	0.046	-0.100
8	699	0.156	0.193	0.037
8	344	0.098	0.242	0.144
8	355	0.176	0.076	-0.100
8	730	0.146	0.017	-0.129
10	537	0.107	0.310	0.203
10	396	0.185	0.134	-0.051
10	521	0.205	0.017	-0.188
10	535	0.107	0.115	0.008
10	526	0.098	0.115	0.017
15	940	0.137	0.222	0.085
15	387	0.078	0.144	0.066
15	787	0.166	0.212	0.046
15	1042	0.273	0.202	-0.071
15	483	0.263	0.085	-0.178
30	597	0.010	0.095	0.085
30	853	0.205	0.105	-0.100
30	416	0.010	0.163	0.153
30	949	0.127	0.183	0.056
30	221	0.088	0.163	0.075
35	538	0.176	0.242	0.066
35	164	0.273	0.310	0.037
35	1018	0.215	0.115	-0.100
35	462	0.293	0.173	-0.120
35	1032	0.224	0.115	-0.109
50	566	0.166	0.163	-0.003
50	197	0.195	0.085	-0.110
50	793	0.010	0.222	0.212
50	802	0.117	0.173	0.056
50	61	0.146	0.046	-0.100
55	795	0.166	0.271	0.105
55	921	0.078	0.261	0.183
55	741	0.098	0.076	-0.022
55	809	0.107	0.183	0.076
55	804	0.185	0.290	0.105
100	449	0.244	0.002	-0.242
100	541	0.312	0.183	-0.129
100	476	0.088	0.071	-0.017
100	45	0.029	0.115	0.086
100	642	0.059	0.222	0.163
105	1036	0.078	0.012	-0.066
105	1038	0.224	0.022	-0.202
105	203	0.049	0.154	0.105
105	1029	0.205	0.222	0.017
105	1027	0.176	0.032	-0.144
105	Max	0.312	0.310	0.222
105	Average	0.147	0.149	0.002
105	Min	0.010	0.002	-0.242
105	Std Dev	0.078	0.084	0.116



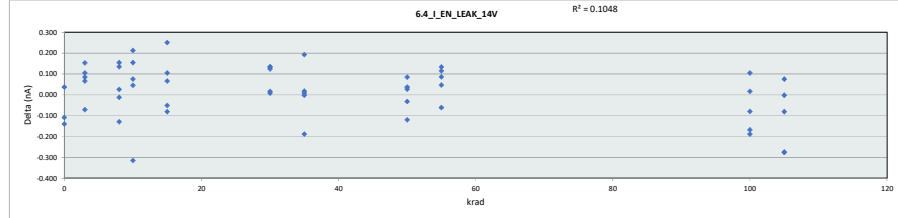
		6.3_I_EN_LEAK_12V										
Test Site	Tester											
Test Number	Unit	nA	nA									
Max Limit		5	nA									
Min Limit		-0.1	nA									
krad	0	3	8	10	15	30	35	50	55	100	105	
LL	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Min	0.017	0.173	0.017	0.017	0.085	0.095	0.115	0.046	0.076	0.002	0.012	0.012
Average	0.076	0.216	0.115	0.138	0.173	0.142	0.191	0.138	0.216	0.119	0.088	
Max	0.134	0.261	0.242	0.310	0.222	0.183	0.310	0.222	0.290	0.222	0.222	
UL	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	



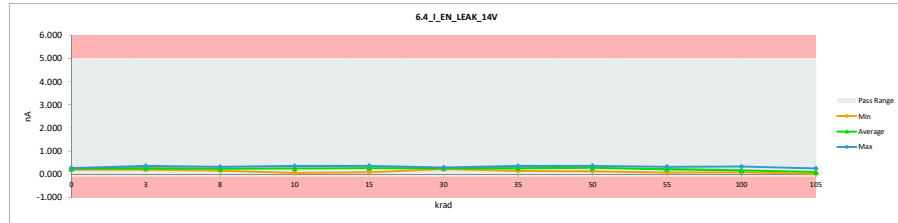
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

		6.4_I_EN_LEAK_14V		
Test Site	Tester			
Test Number	Unit	nA	nA	
Max Limit	Min Limit	5	5	
		-0.1	-0.1	
krad	Serial #	PRE HDR	POST HDR	Delta
0	552	0.342	0.202	-0.140
0	726	0.351	0.242	-0.109
0	791	0.234	0.271	0.037
3	689	0.156	0.222	0.066
3	688	0.293	0.222	-0.071
3	700	0.049	0.202	0.153
3	482	0.205	0.290	0.085
3	1033	0.254	0.359	0.105
8	442	0.176	0.202	0.026
8	699	0.283	0.154	-0.129
8	344	0.283	0.271	-0.012
8	355	0.068	0.222	0.154
8	790	0.185	0.320	0.135
10	537	0.156	0.310	0.154
10	396	0.371	0.056	-0.315
10	521	0.146	0.359	0.213
10	535	0.156	0.232	0.076
10	526	0.254	0.300	0.046
15	940	0.146	0.095	-0.051
15	387	0.449	0.368	-0.081
15	787	0.088	0.339	0.251
15	1042	0.224	0.290	0.066
15	483	0.127	0.232	0.105
30	597	0.107	0.242	0.135
30	853	0.273	0.281	0.008
30	416	0.205	0.222	0.017
30	949	0.156	0.290	0.134
30	221	0.137	0.261	0.124
35	538	0.332	0.144	-0.188
35	164	0.263	0.271	0.008
35	1018	0.224	0.242	0.018
35	462	0.302	0.300	-0.002
35	1032	0.166	0.359	0.193
50	566	0.283	0.320	0.037
50	197	0.244	0.271	0.027
50	793	0.254	0.134	-0.120
50	802	0.400	0.368	-0.032
50	61	0.215	0.300	0.085
55	795	0.195	0.281	0.086
55	921	0.107	0.154	0.047
55	741	0.195	0.329	0.134
55	809	0.137	0.076	-0.061
55	804	0.146	0.261	0.115
100	449	0.332	0.144	-0.188
100	541	0.234	0.339	0.105
100	476	0.234	0.154	-0.080
100	45	0.263	0.095	-0.168
100	642	0.098	0.115	0.017
105	1036	0.146	0.144	-0.002
105	1038	0.351	0.076	-0.275
105	203	0.127	0.046	-0.081
105	1029	0.176	0.251	0.075
105	1027	0.293	0.017	-0.276
105	Max	0.449	0.368	0.251
105	Average	0.219	0.231	0.012
105	Min	0.049	0.017	-0.315
105	Std Dev	0.089	0.092	0.127



		6.4_I_EN_LEAK_14V										
Test Site	Tester											
Test Number	Unit	nA	nA									
Max Limit	Min Limit	5	nA									
		-0.1	nA									
krad	0	3	8	10	15	30	35	50	55	100	105	
LL	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	
Min	0.202	0.202	0.154	0.056	0.095	0.222	0.144	0.134	0.076	0.095	0.017	
Average	0.238	0.259	0.234	0.251	0.265	0.259	0.263	0.279	0.220	0.169	0.107	
Max	0.271	0.359	0.320	0.359	0.368	0.290	0.359	0.368	0.329	0.339	0.251	
UL	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	

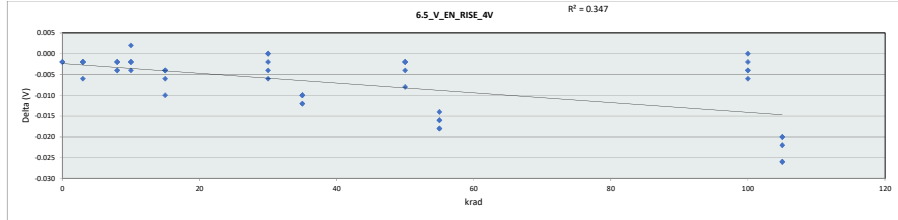


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

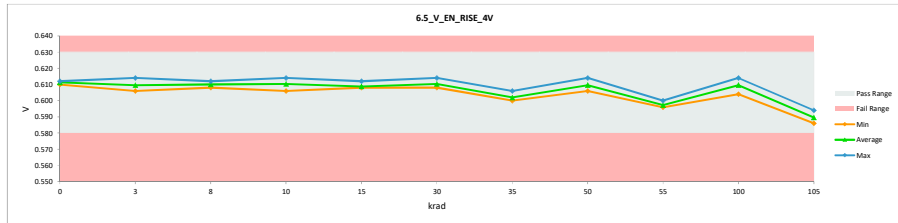
6.5_V_EN_RISE_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.63
Min Limit	0.58

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.614	0.612	-0.002
0	726	0.612	0.610	-0.002
0	791	0.614	0.612	-0.002
3	689	0.612	0.610	-0.002
3	688	0.612	0.610	-0.002
3	700	0.616	0.614	-0.002
3	482	0.612	0.606	-0.006
3	1033	0.610	0.608	-0.002
8	442	0.614	0.610	-0.004
8	699	0.612	0.610	-0.002
8	344	0.612	0.608	-0.004
8	355	0.612	0.610	-0.002
8	790	0.614	0.612	-0.002
10	537	0.610	0.610	-0.004
10	396	0.608	0.606	-0.002
10	521	0.612	0.610	-0.002
10	535	0.612	0.614	0.002
10	526	0.614	0.612	-0.002
15	940	0.612	0.608	-0.004
15	387	0.612	0.608	-0.004
15	787	0.618	0.608	-0.010
15	1042	0.618	0.612	-0.006
15	483	0.612	0.608	-0.004
30	597	0.612	0.612	0.000
30	853	0.612	0.610	-0.002
30	416	0.612	0.608	-0.004
30	949	0.614	0.614	0.000
30	221	0.614	0.608	-0.006
35	538	0.612	0.602	-0.010
35	164	0.610	0.600	-0.010
35	1018	0.610	0.600	-0.010
35	462	0.618	0.606	-0.012
35	1032	0.614	0.602	-0.012
50	566	0.616	0.614	-0.002
50	197	0.616	0.608	-0.008
50	793	0.614	0.612	-0.002
50	802	0.612	0.608	-0.004
50	61	0.608	0.606	-0.002
55	795	0.610	0.596	-0.014
55	921	0.616	0.600	-0.016
55	741	0.614	0.596	-0.018
55	809	0.616	0.598	-0.018
55	804	0.612	0.596	-0.016
100	449	0.616	0.610	-0.006
100	541	0.616	0.614	-0.002
100	476	0.608	0.604	-0.004
100	45	0.612	0.608	-0.004
100	642	0.612	0.612	0.000
105	1036	0.612	0.592	-0.020
105	1038	0.612	0.590	-0.022
105	203	0.612	0.586	-0.026
105	1029	0.612	0.586	-0.026
105	1027	0.614	0.594	-0.020
105	Max	0.618	0.614	0.002
105	Average	0.613	0.606	-0.007
105	Min	0.608	0.586	-0.026
105	Std Dev	0.002	0.007	0.007



6.5_V_EN_RISE_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.63
Min Limit	0.58

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.610	0.606	0.608	0.606	0.608	0.608	0.600	0.606	0.596	0.604	0.586
Average	0.611	0.610	0.610	0.610	0.609	0.610	0.602	0.610	0.597	0.610	0.590
Max	0.612	0.614	0.612	0.614	0.612	0.614	0.606	0.614	0.600	0.614	0.594
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630

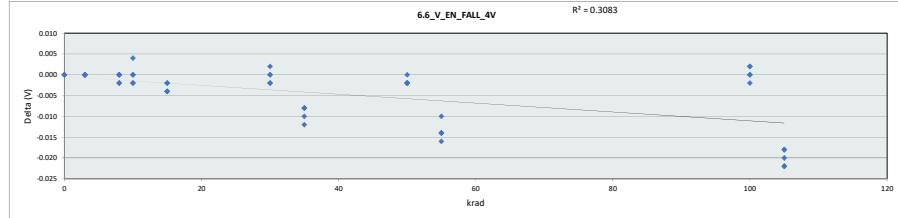


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

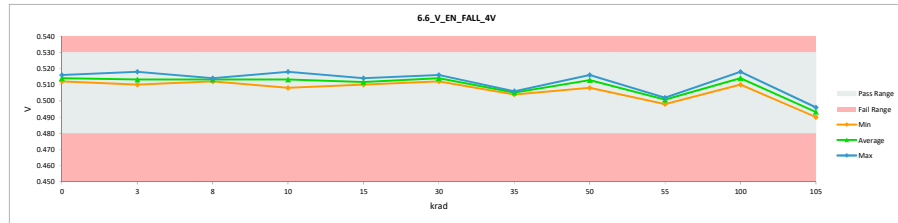
6.6_V_EN_FALL_4V	
Test Site	Tester
Test Number	Unit
Unit	V
Max Limit	0.53
Min Limit	0.48

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.514	0.514	0.000
0	726	0.512	0.512	0.000
0	791	0.516	0.516	0.000
3	689	0.512	0.512	0.000
3	688	0.514	0.514	0.000
3	700	0.518	0.518	0.000
3	482	0.512	0.512	0.000
3	1033	0.510	0.510	0.000
8	442	0.514	0.514	0.000
8	699	0.514	0.512	-0.002
8	344	0.514	0.514	0.000
8	355	0.512	0.512	0.000
8	790	0.516	0.514	-0.002
10	537	0.514	0.512	-0.002
10	396	0.510	0.508	-0.002
10	521	0.514	0.514	0.000
10	535	0.514	0.518	0.004
10	526	0.514	0.514	0.000
15	940	0.514	0.510	-0.004
15	387	0.512	0.510	-0.002
15	787	0.518	0.514	-0.004
15	1042	0.518	0.514	-0.004
15	483	0.512	0.510	-0.002
30	597	0.516	0.514	-0.002
30	853	0.512	0.514	0.002
30	416	0.514	0.514	0.000
30	949	0.516	0.516	0.000
30	221	0.514	0.512	-0.002
35	538	0.514	0.506	-0.008
35	164	0.512	0.504	-0.008
35	1018	0.512	0.504	-0.008
35	462	0.518	0.506	-0.012
35	1032	0.516	0.506	-0.010
50	566	0.518	0.516	-0.002
50	197	0.516	0.514	-0.002
50	793	0.516	0.514	-0.002
50	802	0.512	0.512	0.000
50	61	0.510	0.508	-0.002
55	795	0.512	0.502	-0.010
55	921	0.516	0.502	-0.014
55	741	0.514	0.500	-0.014
55	809	0.516	0.502	-0.014
55	804	0.514	0.498	-0.016
100	449	0.516	0.514	-0.002
100	541	0.516	0.518	0.002
100	476	0.510	0.510	0.000
100	45	0.512	0.512	0.000
100	642	0.514	0.516	0.002
105	1036	0.514	0.494	-0.020
105	1038	0.512	0.494	-0.018
105	203	0.514	0.492	-0.022
105	1029	0.512	0.490	-0.022
105	1027	0.514	0.496	-0.018
105	Max	0.518	0.518	0.004
105	Average	0.514	0.509	-0.005
105	Min	0.510	0.490	-0.022
105	Std Dev	0.002	0.007	0.007



6.6_V_EN_FALL_4V	
Test Site	Tester
Test Number	Unit
Unit	V
Max Limit	0.53
Min Limit	0.48

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480
Min	0.512	0.510	0.512	0.508	0.510	0.512	0.504	0.508	0.498	0.510	0.490
Average	0.514	0.513	0.513	0.513	0.512	0.514	0.505	0.513	0.501	0.514	0.493
Max	0.516	0.518	0.514	0.518	0.514	0.516	0.506	0.516	0.502	0.518	0.496
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530

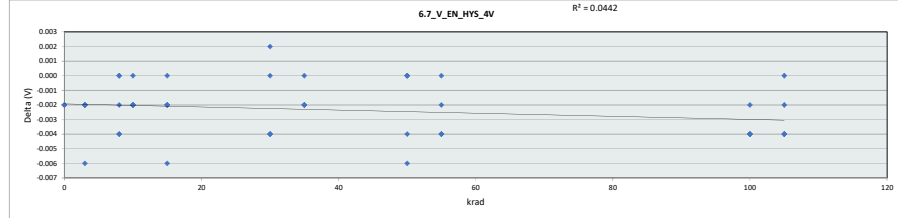


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

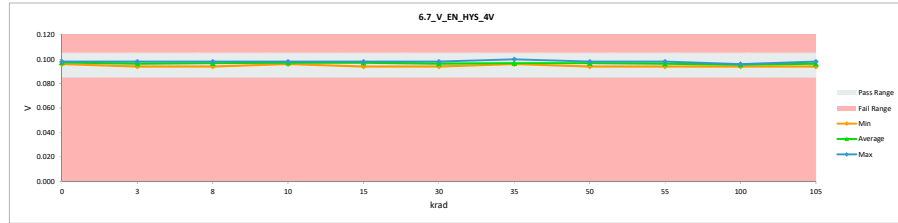
6.7_V_EN_HYS_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.105
Min Limit	0.085

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.100	0.098	-0.002
0	726	0.100	0.098	-0.002
0	791	0.098	0.096	-0.002
3	689	0.100	0.098	-0.002
3	688	0.098	0.096	-0.002
3	700	0.098	0.096	-0.002
3	482	0.100	0.094	-0.006
3	1033	0.098	0.098	-0.002
8	442	0.100	0.096	-0.004
8	699	0.098	0.098	0.000
8	344	0.098	0.094	-0.004
8	355	0.100	0.098	-0.002
8	730	0.098	0.098	0.000
10	437	0.100	0.098	-0.002
10	396	0.098	0.098	0.000
10	521	0.098	0.096	-0.002
10	535	0.098	0.096	-0.002
10	526	0.100	0.098	-0.002
15	540	0.098	0.098	0.000
15	387	0.100	0.098	-0.002
15	787	0.100	0.094	-0.006
15	1042	0.100	0.098	-0.002
15	483	0.100	0.098	-0.002
30	597	0.096	0.098	0.002
30	853	0.100	0.096	-0.004
30	416	0.098	0.094	-0.004
30	949	0.098	0.098	0.000
30	221	0.100	0.096	-0.004
35	538	0.098	0.096	-0.002
35	164	0.098	0.096	-0.002
35	1018	0.098	0.096	-0.002
35	462	0.100	0.100	0.000
35	1032	0.098	0.096	-0.002
50	566	0.098	0.098	0.000
50	197	0.100	0.094	-0.006
50	793	0.098	0.098	0.000
50	802	0.100	0.096	-0.004
50	61	0.098	0.098	0.000
55	795	0.098	0.094	-0.004
55	921	0.100	0.098	-0.002
55	741	0.100	0.096	-0.004
55	809	0.100	0.096	-0.004
55	804	0.098	0.098	0.000
100	449	0.100	0.096	-0.004
100	541	0.100	0.096	-0.004
100	476	0.098	0.094	-0.004
100	45	0.100	0.096	-0.004
100	642	0.098	0.096	-0.002
105	1036	0.098	0.098	0.000
105	1038	0.100	0.096	-0.004
105	203	0.098	0.094	-0.004
105	1029	0.100	0.096	-0.004
105	1027	0.100	0.098	-0.002
105	Max	0.100	0.100	0.002
105	Average	0.099	0.097	-0.002
105	Min	0.096	0.094	-0.006
105	Std Dev	0.001	0.002	0.002



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

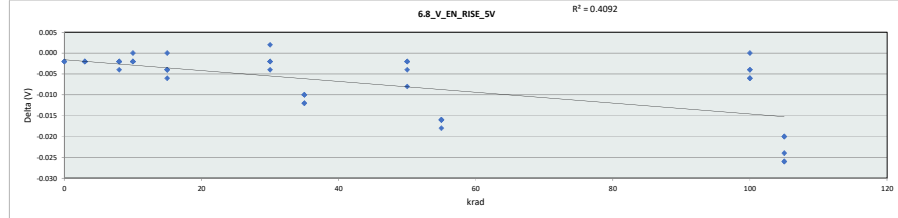
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085
Min	0.096	0.094	0.094	0.096	0.094	0.094	0.096	0.094	0.094	0.094	0.094
Average	0.097	0.096	0.097	0.097	0.097	0.096	0.097	0.097	0.096	0.096	0.096
Max	0.098	0.098	0.098	0.098	0.098	0.098	0.100	0.098	0.098	0.096	0.098
UL	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105



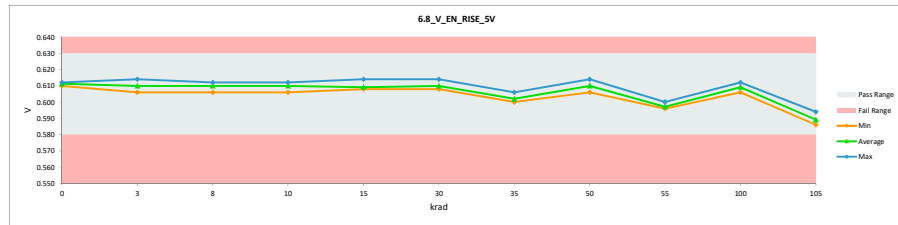
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

6.8_V_EN_RISE_SV				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.614	0.612	-0.002
0	726	0.612	0.610	-0.002
0	791	0.614	0.612	-0.002
3	689	0.612	0.610	-0.002
3	688	0.612	0.610	-0.002
3	700	0.616	0.614	-0.002
3	482	0.608	0.606	-0.002
3	1033	0.612	0.610	-0.002
8	442	0.614	0.612	-0.002
8	699	0.612	0.610	-0.002
8	344	0.612	0.610	-0.002
8	355	0.608	0.606	-0.002
8	790	0.616	0.612	-0.004
10	537	0.614	0.612	-0.002
10	396	0.608	0.606	-0.002
10	521	0.612	0.610	-0.002
10	535	0.612	0.610	-0.002
10	526	0.612	0.612	0.000
15	940	0.614	0.608	-0.006
15	387	0.612	0.608	-0.004
15	787	0.612	0.608	-0.004
15	1042	0.618	0.614	-0.004
15	483	0.608	0.608	0.000
30	597	0.612	0.610	-0.002
30	853	0.612	0.610	-0.002
30	416	0.612	0.608	-0.004
30	949	0.612	0.614	0.002
30	221	0.610	0.608	-0.002
35	538	0.612	0.602	-0.100
35	164	0.610	0.600	-0.100
35	1018	0.610	0.600	-0.100
35	462	0.618	0.606	-0.112
35	1032	0.614	0.602	-0.112
50	566	0.616	0.614	-0.002
50	197	0.616	0.608	-0.008
50	793	0.614	0.612	-0.002
50	802	0.612	0.610	-0.002
50	61	0.610	0.606	-0.004
55	795	0.612	0.596	-0.016
55	921	0.616	0.600	-0.016
55	741	0.612	0.596	-0.016
55	809	0.616	0.598	-0.018
55	804	0.612	0.596	-0.016
100	449	0.616	0.610	-0.006
100	541	0.616	0.610	-0.006
100	476	0.610	0.606	-0.004
100	45	0.612	0.608	-0.004
100	642	0.612	0.612	0.000
105	1036	0.612	0.588	-0.024
105	1038	0.612	0.592	-0.020
105	203	0.612	0.586	-0.026
105	1029	0.612	0.586	-0.026
105	1027	0.614	0.594	-0.020
105	Max	0.618	0.614	0.002
105	Average	0.613	0.606	-0.007
105	Min	0.608	0.586	-0.026
105	Std Dev	0.002	0.007	0.007



6.8_V_EN_RISE_SV											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.610	0.606	0.606	0.606	0.608	0.608	0.600	0.606	0.596	0.606	0.586
Average	0.611	0.610	0.610	0.610	0.609	0.610	0.602	0.610	0.597	0.609	0.589
Max	0.612	0.614	0.612	0.612	0.614	0.614	0.606	0.614	0.600	0.612	0.594
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630

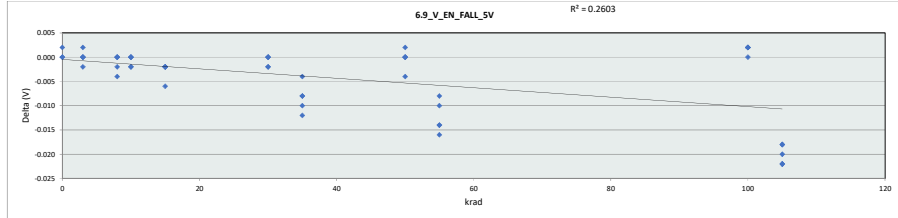


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

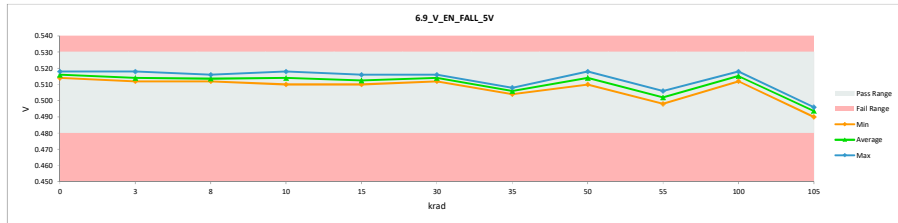
6.9_V_EN_FALL_SV	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 0.53
Min Limit	0.48 0.48

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.514	0.516	0.002
0	726	0.514	0.514	0.000
0	791	0.518	0.518	0.000
3	689	0.512	0.514	0.002
3	688	0.514	0.514	0.000
3	700	0.518	0.518	0.000
3	482	0.512	0.512	0.000
3	1033	0.512	0.512	-0.002
8	442	0.516	0.516	0.000
8	699	0.514	0.512	-0.002
8	344	0.514	0.514	0.000
8	355	0.512	0.512	0.000
8	790	0.518	0.514	-0.004
10	537	0.516	0.514	-0.002
10	396	0.510	0.510	0.000
10	521	0.516	0.514	-0.002
10	535	0.518	0.518	0.000
10	526	0.514	0.514	0.000
15	940	0.516	0.510	-0.006
15	387	0.512	0.510	-0.002
15	787	0.518	0.516	-0.002
15	1042	0.518	0.516	-0.002
15	483	0.512	0.510	-0.002
30	597	0.516	0.514	-0.002
30	853	0.514	0.514	0.000
30	416	0.514	0.514	0.000
30	949	0.516	0.516	0.000
30	221	0.514	0.512	-0.002
35	538	0.514	0.506	-0.008
35	164	0.510	0.506	-0.004
35	1018	0.512	0.504	-0.008
35	462	0.518	0.508	-0.010
35	1032	0.518	0.506	-0.012
50	566	0.518	0.518	0.000
50	197	0.514	0.514	0.000
50	793	0.518	0.514	-0.004
50	802	0.512	0.514	0.002
50	61	0.510	0.510	0.000
55	795	0.512	0.504	-0.008
55	921	0.516	0.502	-0.014
55	741	0.514	0.500	-0.014
55	809	0.516	0.506	-0.010
55	804	0.514	0.498	-0.016
100	449	0.516	0.518	0.002
100	541	0.516	0.518	0.002
100	476	0.510	0.512	0.002
100	45	0.512	0.512	0.000
100	642	0.514	0.516	0.002
105	1036	0.514	0.496	-0.018
105	1038	0.514	0.494	-0.020
105	203	0.514	0.492	-0.022
105	1029	0.512	0.490	-0.022
105	1027	0.514	0.496	-0.018
105	Max	0.518	0.518	0.002
105	Average	0.514	0.510	-0.004
105	Min	0.510	0.490	-0.022
105	Std Dev	0.002	0.007	0.007



6.9_V_EN_FALL_SV	
Test Site	
Tester	
Test Number	
Max Limit	0.53 V
Min Limit	0.48 V

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480
Min	0.514	0.512	0.512	0.510	0.510	0.512	0.504	0.510	0.498	0.512	0.490
Average	0.516	0.514	0.514	0.514	0.512	0.514	0.506	0.514	0.502	0.515	0.494
Max	0.518	0.518	0.516	0.518	0.516	0.516	0.508	0.518	0.506	0.518	0.496
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530

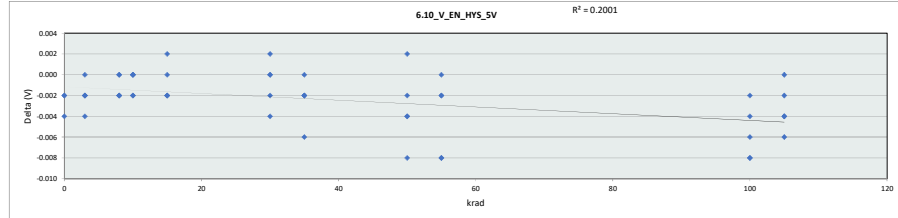




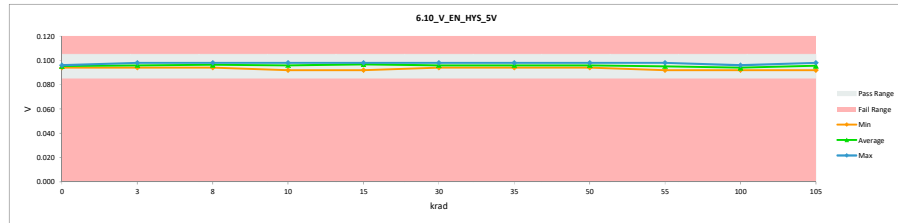
HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 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	Serial #	PRE HDR	POST HDR	Delta
0	552	0.100	0.096	-0.004
0	726	0.098	0.096	-0.002
0	791	0.096	0.094	-0.002
3	689	0.100	0.096	-0.004
3	688	0.098	0.096	-0.002
3	700	0.098	0.096	-0.002
3	482	0.096	0.094	-0.002
3	1033	0.098	0.098	0.000
8	442	0.098	0.096	-0.002
8	699	0.098	0.098	0.000
8	344	0.098	0.096	-0.002
8	355	0.096	0.094	-0.002
8	730	0.098	0.098	0.000
10	437	0.098	0.098	0.000
10	396	0.098	0.096	-0.002
10	521	0.096	0.096	0.000
10	535	0.094	0.092	-0.002
10	526	0.098	0.098	0.000
15	540	0.098	0.098	0.000
15	387	0.100	0.098	-0.002
15	787	0.094	0.092	-0.002
15	1042	0.100	0.098	-0.002
15	483	0.096	0.098	0.002
30	597	0.096	0.096	0.000
30	853	0.098	0.096	-0.002
30	416	0.098	0.094	-0.004
30	949	0.096	0.098	0.002
30	221	0.096	0.096	0.000
35	538	0.098	0.096	-0.002
35	164	0.100	0.094	-0.006
35	1018	0.098	0.096	-0.002
35	462	0.100	0.098	-0.002
35	1032	0.096	0.096	0.000
50	566	0.098	0.096	-0.002
50	197	0.102	0.094	-0.008
50	793	0.096	0.098	0.002
50	802	0.100	0.096	-0.004
50	61	0.100	0.096	-0.004
55	795	0.100	0.092	-0.008
55	921	0.100	0.098	-0.002
55	741	0.098	0.096	-0.002
55	809	0.100	0.092	-0.008
55	804	0.098	0.098	0.000
100	449	0.100	0.092	-0.008
100	541	0.100	0.092	-0.008
100	476	0.100	0.094	-0.006
100	45	0.100	0.096	-0.004
100	642	0.098	0.096	-0.002
105	1036	0.098	0.092	-0.006
105	1038	0.098	0.098	0.000
105	203	0.098	0.094	-0.004
105	1029	0.100	0.096	-0.004
105	1027	0.100	0.098	-0.002
105	Max	0.102	0.098	0.002
105	Average	0.098	0.096	-0.002
105	Min	0.094	0.092	-0.008
105	Std Dev	0.002	0.002	0.003



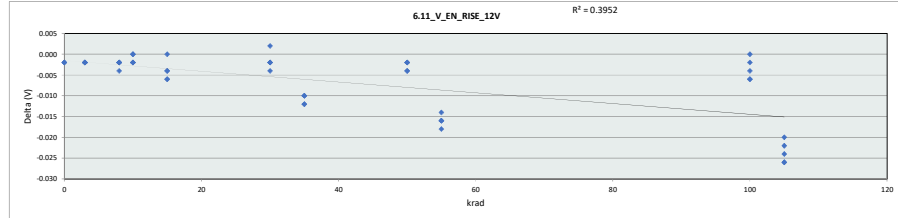
		6.10_V_EN_HYS_5V										
Test Site	Tester											
Test Number	Unit	V	V									
Max Limit		0.105	V									
Min Limit		0.085	V									
krad	0	3	8	10	15	30	35	50	55	100	105	
LL	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	
Min	0.094	0.094	0.094	0.092	0.092	0.094	0.094	0.094	0.092	0.092	0.092	
Average	0.095	0.096	0.096	0.096	0.097	0.096	0.096	0.096	0.095	0.094	0.096	
Max	0.096	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.096	0.098	
UL	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	



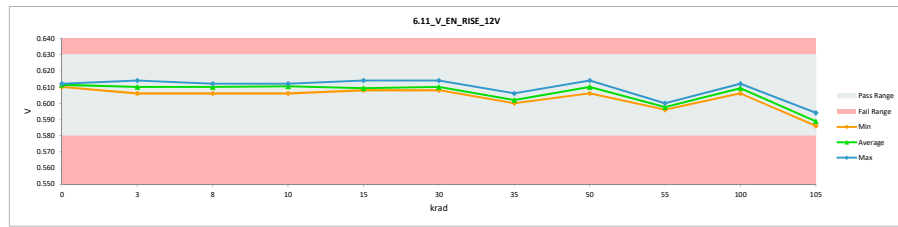
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

6.11_V_EN_RISE_12V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.614	0.612	-0.002
0	726	0.612	0.610	-0.002
0	791	0.614	0.612	-0.002
3	689	0.612	0.610	-0.002
3	688	0.612	0.610	-0.002
3	700	0.616	0.614	-0.002
3	482	0.608	0.606	-0.002
3	1033	0.612	0.610	-0.002
8	442	0.614	0.612	-0.002
8	699	0.612	0.610	-0.002
8	344	0.612	0.610	-0.002
8	355	0.608	0.606	-0.002
8	730	0.616	0.612	-0.004
10	537	0.614	0.612	-0.002
10	396	0.608	0.606	-0.002
10	521	0.612	0.610	-0.002
10	535	0.612	0.612	0.000
10	526	0.612	0.612	0.000
15	540	0.614	0.608	-0.006
15	387	0.612	0.608	-0.004
15	787	0.614	0.608	-0.006
15	1042	0.618	0.614	-0.004
15	483	0.608	0.608	0.000
30	597	0.612	0.610	-0.002
30	853	0.612	0.610	-0.002
30	416	0.612	0.608	-0.004
30	949	0.612	0.614	0.002
30	221	0.610	0.608	-0.002
35	538	0.612	0.602	-0.100
35	164	0.610	0.600	-0.110
35	1018	0.610	0.600	-0.110
35	462	0.618	0.606	-0.112
35	1032	0.614	0.602	-0.112
50	566	0.616	0.614	-0.002
50	197	0.612	0.608	-0.004
50	793	0.614	0.612	-0.002
50	802	0.612	0.610	-0.002
50	61	0.610	0.606	-0.004
55	795	0.612	0.598	-0.014
55	921	0.616	0.600	-0.016
55	741	0.612	0.596	-0.016
55	809	0.616	0.598	-0.018
55	804	0.612	0.596	-0.016
100	449	0.616	0.610	-0.006
100	541	0.616	0.610	-0.006
100	476	0.608	0.606	-0.002
100	45	0.612	0.608	-0.004
100	642	0.612	0.612	0.000
105	1036	0.612	0.588	-0.024
105	1038	0.612	0.590	-0.022
105	203	0.612	0.586	-0.026
105	1029	0.612	0.586	-0.026
105	1027	0.614	0.594	-0.020
105	Max	0.618	0.614	0.002
105	Average	0.613	0.606	-0.007
105	Min	0.608	0.586	-0.026
105	Std Dev	0.002	0.007	0.007



6.11_V_EN_RISE_12V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.610	0.606	0.606	0.606	0.608	0.608	0.600	0.606	0.596	0.606	0.586
Average	0.611	0.610	0.610	0.610	0.609	0.610	0.602	0.610	0.598	0.609	0.589
Max	0.612	0.614	0.612	0.612	0.614	0.614	0.606	0.614	0.600	0.612	0.594
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630

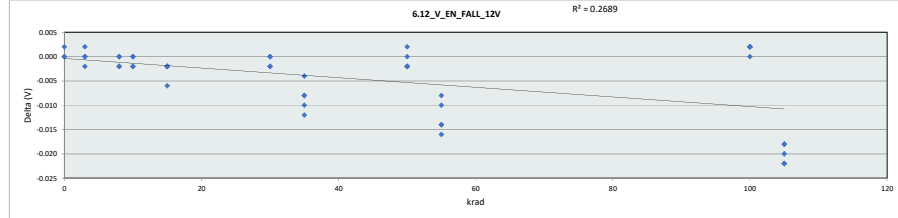


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

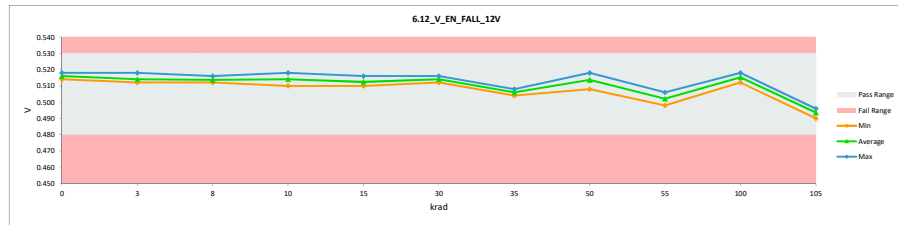
6.12_V_EN_FALL_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.53 0.53
Min Limit	0.48 0.48

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.514	0.516	0.002
0	726	0.514	0.514	0.000
0	791	0.518	0.518	0.000
3	689	0.512	0.514	0.002
3	688	0.514	0.514	0.000
3	700	0.518	0.518	0.000
3	482	0.512	0.512	0.000
3	1033	0.512	0.512	-0.002
8	442	0.516	0.516	0.000
8	699	0.514	0.512	-0.002
8	344	0.514	0.514	0.000
8	355	0.512	0.512	0.000
8	790	0.516	0.514	-0.002
10	537	0.516	0.514	-0.002
10	396	0.510	0.510	0.000
10	521	0.516	0.514	-0.002
10	535	0.518	0.518	0.000
10	526	0.514	0.514	0.000
15	940	0.516	0.510	-0.006
15	387	0.512	0.510	-0.002
15	787	0.518	0.516	-0.002
15	1042	0.518	0.516	-0.002
15	483	0.512	0.510	-0.002
30	597	0.516	0.514	-0.002
30	853	0.514	0.514	0.000
30	416	0.514	0.514	0.000
30	949	0.516	0.516	0.000
30	221	0.514	0.512	-0.002
35	538	0.514	0.506	-0.008
35	164	0.510	0.506	-0.004
35	1018	0.512	0.504	-0.008
35	462	0.518	0.508	-0.010
35	1032	0.518	0.506	-0.012
50	566	0.518	0.518	0.000
50	197	0.514	0.512	-0.002
50	793	0.518	0.516	-0.002
50	802	0.512	0.514	0.002
50	61	0.510	0.508	-0.002
55	795	0.512	0.504	-0.008
55	921	0.516	0.502	-0.014
55	741	0.514	0.500	-0.014
55	809	0.516	0.506	-0.010
55	804	0.514	0.498	-0.016
100	449	0.516	0.518	0.002
100	541	0.516	0.518	0.002
100	476	0.510	0.512	0.002
100	45	0.512	0.512	0.000
100	642	0.514	0.516	0.002
105	1036	0.514	0.496	-0.018
105	1038	0.514	0.494	-0.020
105	203	0.514	0.492	-0.022
105	1029	0.512	0.490	-0.022
105	1027	0.514	0.496	-0.018
105	Max	0.518	0.518	0.002
105	Average	0.514	0.510	-0.004
105	Min	0.510	0.490	-0.022
105	Std Dev	0.002	0.007	0.007



6.12_V_EN_FALL_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.53 V
Min Limit	0.48 V

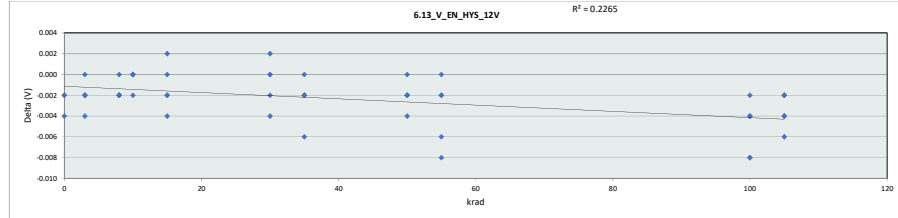
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480
Min	0.514	0.512	0.512	0.510	0.510	0.512	0.504	0.508	0.498	0.512	0.490
Average	0.516	0.514	0.514	0.514	0.512	0.514	0.506	0.514	0.502	0.515	0.494
Max	0.518	0.518	0.516	0.518	0.516	0.516	0.508	0.518	0.506	0.518	0.496
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530



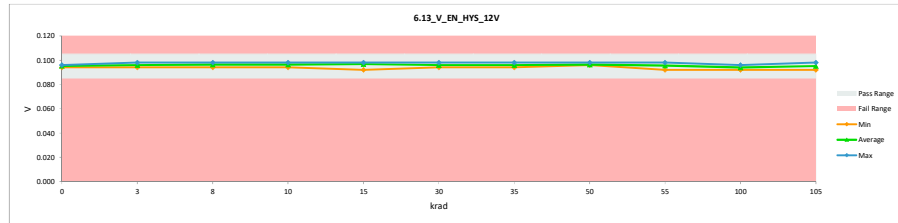
HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

		6.13_V_EN_HYS_12V		
krad	Serial #	PRE HDR	POST HDR	Delta
0	552	0.100	0.096	-0.004
0	726	0.098	0.096	-0.002
0	791	0.096	0.094	-0.002
3	689	0.100	0.096	-0.004
3	688	0.098	0.096	-0.002
3	700	0.098	0.096	-0.002
3	482	0.096	0.094	-0.002
3	1033	0.098	0.098	0.000
8	442	0.098	0.096	-0.002
8	699	0.098	0.098	0.000
8	344	0.098	0.096	-0.002
8	355	0.096	0.094	-0.002
8	790	0.100	0.098	-0.002
10	437	0.098	0.098	0.000
10	396	0.098	0.096	-0.002
10	521	0.096	0.096	0.000
10	535	0.094	0.094	0.000
10	526	0.098	0.098	0.000
15	540	0.098	0.098	0.000
15	387	0.100	0.098	-0.002
15	787	0.096	0.092	-0.004
15	1042	0.100	0.098	-0.002
15	483	0.096	0.098	0.002
30	597	0.096	0.096	0.000
30	853	0.098	0.096	-0.002
30	416	0.098	0.094	-0.004
30	949	0.096	0.098	0.002
30	221	0.096	0.096	0.000
35	538	0.098	0.096	-0.002
35	164	0.100	0.094	-0.006
35	1018	0.098	0.096	-0.002
35	462	0.100	0.098	-0.002
35	1032	0.096	0.096	0.000
50	566	0.098	0.096	-0.002
50	197	0.098	0.096	-0.002
50	793	0.096	0.096	0.000
50	802	0.100	0.096	-0.004
50	61	0.100	0.098	-0.002
55	795	0.100	0.094	-0.006
55	921	0.100	0.098	-0.002
55	741	0.098	0.096	-0.002
55	809	0.100	0.092	-0.008
55	804	0.098	0.098	0.000
100	449	0.100	0.092	-0.008
100	541	0.100	0.092	-0.008
100	476	0.098	0.094	-0.004
100	45	0.100	0.096	-0.004
100	642	0.098	0.096	-0.002
105	1036	0.098	0.092	-0.006
105	1038	0.098	0.096	-0.002
105	203	0.098	0.094	-0.004
105	1029	0.100	0.096	-0.004
105	1027	0.100	0.098	-0.002
105	Max	0.100	0.098	0.002
	Average	0.098	0.096	-0.002
	Min	0.094	0.092	-0.008
	Std Dev	0.002	0.002	0.002



		6.13_V_EN_HYS_12V										
krad	Test Number	0	3	8	10	15	30	35	50	55	100	105
LL		0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085
Min		0.094	0.094	0.094	0.094	0.092	0.094	0.094	0.096	0.092	0.092	0.092
Average		0.095	0.096	0.096	0.096	0.097	0.096	0.096	0.096	0.096	0.094	0.095
Max		0.096	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.096	0.098
UL		0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105

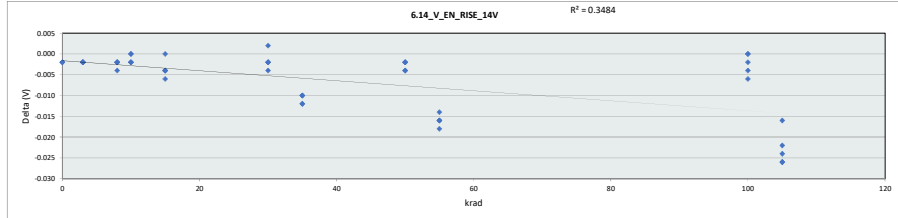


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

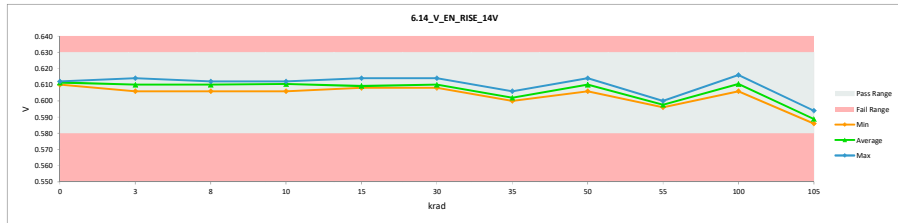
6.14_V_EN_RISE_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.63
Min Limit	0.58

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.614	0.612	-0.002
0	726	0.612	0.610	-0.002
0	791	0.614	0.612	-0.002
3	689	0.612	0.610	-0.002
3	688	0.612	0.610	-0.002
3	700	0.616	0.614	-0.002
3	482	0.608	0.606	-0.002
3	1033	0.612	0.610	-0.002
8	442	0.614	0.612	-0.002
8	699	0.612	0.610	-0.002
8	344	0.612	0.610	-0.002
8	355	0.608	0.606	-0.002
8	730	0.616	0.612	-0.004
10	537	0.614	0.612	-0.002
10	396	0.608	0.606	-0.002
10	521	0.612	0.610	-0.002
10	535	0.612	0.612	0.000
10	526	0.612	0.612	0.000
15	540	0.614	0.608	-0.006
15	387	0.612	0.608	-0.004
15	787	0.612	0.608	-0.004
15	1042	0.618	0.614	-0.004
15	483	0.608	0.608	0.000
30	597	0.612	0.610	-0.002
30	853	0.612	0.610	-0.002
30	416	0.612	0.608	-0.004
30	949	0.612	0.614	0.002
30	221	0.610	0.608	-0.002
35	538	0.612	0.602	-0.100
35	164	0.610	0.600	-0.100
35	1018	0.610	0.600	-0.100
35	462	0.618	0.606	-0.102
35	1032	0.614	0.602	-0.102
50	566	0.616	0.614	-0.002
50	197	0.612	0.608	-0.004
50	793	0.614	0.612	-0.002
50	802	0.612	0.610	-0.002
50	61	0.610	0.606	-0.004
55	795	0.612	0.596	-0.016
55	921	0.616	0.600	-0.016
55	741	0.612	0.598	-0.014
55	809	0.616	0.598	-0.018
55	804	0.612	0.596	-0.016
100	449	0.616	0.610	-0.006
100	541	0.616	0.616	0.000
100	476	0.608	0.606	-0.002
100	45	0.612	0.608	-0.004
100	642	0.612	0.612	0.000
105	1036	0.612	0.588	-0.024
105	1038	0.612	0.590	-0.022
105	203	0.612	0.586	-0.026
105	1029	0.612	0.586	-0.026
105	1027	0.610	0.594	-0.016
105	Max	0.618	0.616	0.002
105	Average	0.612	0.606	-0.006
105	Min	0.608	0.586	-0.026
105	Std Dev	0.002	0.007	0.007



6.14_V_EN_RISE_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.63
Min Limit	0.58

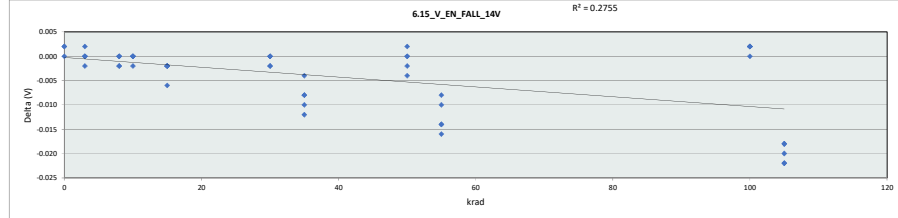
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.610	0.606	0.606	0.606	0.608	0.608	0.600	0.606	0.596	0.606	0.586
Average	0.611	0.610	0.610	0.610	0.609	0.610	0.602	0.610	0.598	0.610	0.589
Max	0.612	0.614	0.612	0.612	0.614	0.614	0.606	0.614	0.600	0.616	0.594
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630



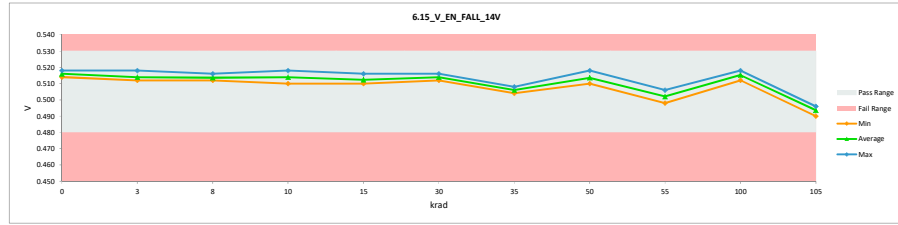
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

6.15_V_EN_FALL_14V				
Test Site	Tester	Test Number	Unit	Max Limit
			V	0.53
			V	0.48
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.514	0.516	0.002
0	726	0.514	0.514	0.000
0	791	0.516	0.518	0.002
3	689	0.512	0.514	0.002
3	688	0.514	0.514	0.000
3	700	0.518	0.518	0.000
3	482	0.512	0.512	0.000
3	1033	0.512	0.512	-0.002
8	442	0.516	0.516	0.000
8	699	0.514	0.512	-0.002
8	344	0.514	0.514	0.000
8	355	0.512	0.512	0.000
8	790	0.516	0.514	-0.002
10	537	0.516	0.514	-0.002
10	396	0.510	0.510	0.000
10	521	0.514	0.514	0.000
10	535	0.518	0.518	0.000
10	526	0.514	0.514	0.000
15	940	0.516	0.510	-0.006
15	387	0.512	0.510	-0.002
15	787	0.518	0.516	-0.002
15	1042	0.518	0.516	-0.002
15	483	0.512	0.510	-0.002
30	597	0.516	0.514	-0.002
30	853	0.514	0.514	0.000
30	416	0.514	0.514	0.000
30	949	0.516	0.516	0.000
30	221	0.514	0.512	-0.002
35	538	0.514	0.506	-0.008
35	164	0.510	0.506	-0.004
35	1018	0.512	0.504	-0.008
35	462	0.518	0.508	-0.010
35	1032	0.518	0.506	-0.012
50	566	0.518	0.518	0.000
50	197	0.514	0.512	-0.002
50	793	0.518	0.514	-0.004
50	802	0.512	0.514	0.002
50	61	0.510	0.510	0.000
55	795	0.512	0.504	-0.008
55	921	0.516	0.502	-0.014
55	741	0.514	0.500	-0.014
55	809	0.516	0.506	-0.010
55	804	0.514	0.498	-0.016
100	449	0.516	0.518	0.002
100	541	0.516	0.518	0.002
100	476	0.510	0.512	0.002
100	45	0.512	0.512	0.000
100	642	0.514	0.516	0.002
105	1036	0.514	0.496	-0.018
105	1038	0.514	0.494	-0.020
105	203	0.514	0.492	-0.022
105	1029	0.512	0.490	-0.022
105	1027	0.514	0.496	-0.018
105	Max	0.518	0.518	0.002
105	Average	0.514	0.510	-0.004
105	Min	0.510	0.490	-0.022
105	Std Dev	0.002	0.007	0.007



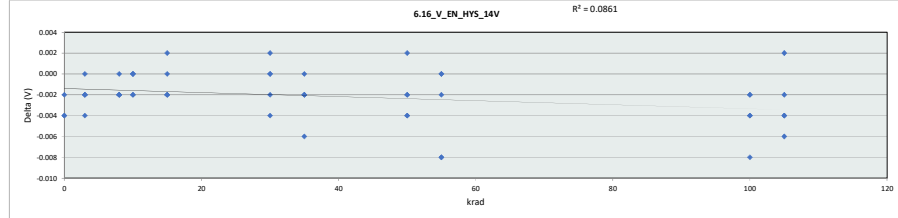
6.15_V_EN_FALL_14V																	
Test Site	Tester	Test Number	Unit	Max Limit	Min Limit	0	3	8	10	15	30	35	50	55	100	105	
			V	0.53	0.48	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	
			V	0.53	0.48	0.514	0.512	0.514	0.514	0.510	0.512	0.514	0.504	0.510	0.498	0.512	0.490
						0.518	0.518	0.516	0.518	0.516	0.516	0.508	0.518	0.506	0.518	0.496	
						0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	



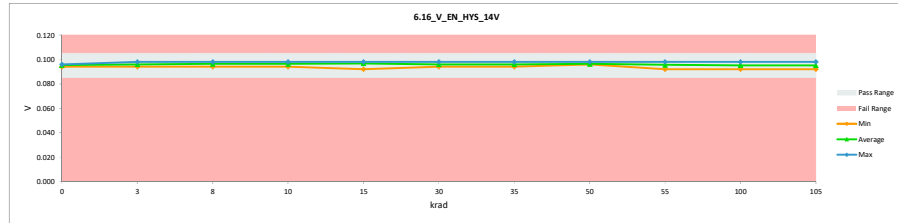
HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

6.16_V_EN_HYS_14V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.100	0.096	-0.004
0	726	0.098	0.096	-0.002
0	791	0.098	0.094	-0.004
3	689	0.100	0.096	-0.004
3	688	0.098	0.096	-0.002
3	700	0.098	0.096	-0.002
3	482	0.096	0.094	-0.002
3	1033	0.098	0.098	0.000
8	442	0.098	0.096	-0.002
8	699	0.098	0.098	0.000
8	344	0.098	0.096	-0.002
8	355	0.096	0.094	-0.002
8	790	0.100	0.098	-0.002
10	437	0.098	0.098	0.000
10	396	0.098	0.096	-0.002
10	521	0.098	0.096	-0.002
10	535	0.094	0.094	0.000
10	526	0.098	0.098	0.000
15	940	0.098	0.098	0.000
15	387	0.100	0.098	-0.002
15	787	0.094	0.092	-0.002
15	1042	0.100	0.098	-0.002
15	483	0.096	0.098	0.002
30	597	0.096	0.096	0.000
30	853	0.098	0.096	-0.002
30	416	0.098	0.094	-0.004
30	949	0.096	0.098	0.002
30	221	0.096	0.096	0.000
35	538	0.098	0.096	-0.002
35	164	0.100	0.094	-0.006
35	1018	0.098	0.096	-0.002
35	462	0.100	0.098	-0.002
35	1032	0.096	0.096	0.000
50	566	0.098	0.096	-0.002
50	197	0.098	0.096	-0.002
50	793	0.096	0.098	0.002
50	802	0.100	0.096	-0.004
50	61	0.100	0.096	-0.004
55	795	0.100	0.092	-0.008
55	921	0.100	0.098	-0.002
55	741	0.098	0.098	0.000
55	809	0.100	0.092	-0.008
55	804	0.098	0.098	0.000
100	449	0.100	0.092	-0.008
100	541	0.100	0.098	-0.002
100	476	0.098	0.094	-0.004
100	45	0.100	0.096	-0.004
100	642	0.098	0.096	-0.002
105	1036	0.098	0.092	-0.006
105	1038	0.098	0.096	-0.002
105	203	0.098	0.094	-0.004
105	1029	0.100	0.096	-0.004
105	1027	0.096	0.098	0.002
105	Max	0.100	0.098	0.002
105	Average	0.098	0.096	-0.002
105	Min	0.094	0.092	-0.008
105	Std Dev	0.002	0.002	0.002



6.16_V_EN_HYS_14V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085
Min	0.094	0.094	0.094	0.094	0.092	0.094	0.094	0.096	0.092	0.092	0.092
Average	0.095	0.096	0.096	0.096	0.097	0.096	0.096	0.096	0.096	0.095	0.095
Max	0.096	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.098
UL	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105

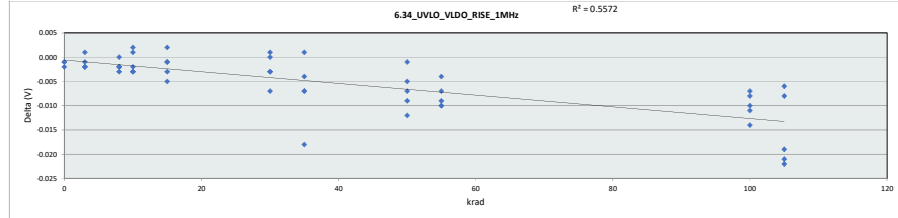


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

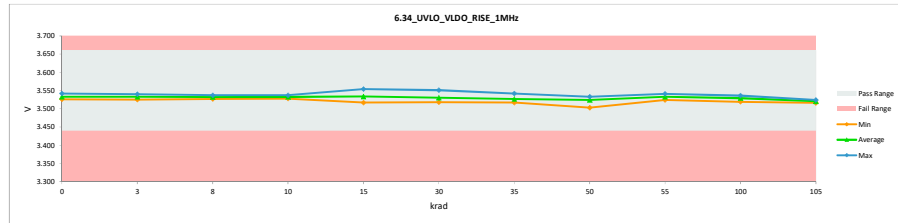
6.34_UVLO_VLDO_RISE_1MHz	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
3.66	3.66
3.44	3.44

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	3.543	3.542	-0.001
0	726	3.533	3.531	-0.002
0	791	3.527	3.526	-0.001
3	689	3.538	3.537	-0.001
3	688	3.533	3.531	-0.002
3	700	3.532	3.533	0.001
3	482	3.542	3.540	-0.002
3	1033	3.527	3.525	-0.002
8	442	3.534	3.532	-0.002
8	699	3.539	3.537	-0.002
8	344	3.529	3.527	-0.002
8	355	3.536	3.533	-0.003
8	790	3.531	3.531	0.000
10	537	3.531	3.529	-0.002
10	396	3.532	3.534	0.002
10	521	3.540	3.537	-0.003
10	535	3.534	3.535	0.001
10	526	3.531	3.528	-0.003
15	940	3.555	3.554	-0.001
15	387	3.523	3.522	-0.001
15	787	3.540	3.542	0.002
15	1042	3.536	3.533	-0.003
15	483	3.522	3.517	-0.005
30	597	3.524	3.521	-0.003
30	853	3.521	3.518	-0.003
30	416	3.529	3.529	0.000
30	949	3.541	3.534	-0.007
30	221	3.550	3.551	0.001
35	538	3.534	3.527	-0.007
35	164	3.541	3.542	0.001
35	1018	3.527	3.520	-0.007
35	462	3.521	3.517	-0.004
35	1032	3.546	3.528	-0.018
50	566	3.536	3.527	-0.009
50	197	3.515	3.503	-0.012
50	793	3.536	3.529	-0.007
50	802	3.538	3.533	-0.005
50	61	3.530	3.529	-0.001
55	795	3.538	3.528	-0.010
55	921	3.545	3.538	-0.007
55	741	3.539	3.535	-0.004
55	809	3.550	3.541	-0.009
55	804	3.534	3.524	-0.010
100	449	3.547	3.536	-0.011
100	541	3.527	3.519	-0.008
100	476	3.542	3.535	-0.007
100	45	3.538	3.524	-0.014
100	642	3.540	3.530	-0.010
105	1036	3.529	3.523	-0.006
105	1038	3.540	3.519	-0.021
105	203	3.543	3.524	-0.019
105	1029	3.538	3.516	-0.022
105	1027	3.529	3.521	-0.008
105	Max	3.555	3.554	0.002
105	Average	3.535	3.530	-0.005
105	Min	3.515	3.503	-0.022
105	Std Dev	0.008	0.009	0.006



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440
Min	3.526	3.525	3.527	3.528	3.517	3.518	3.517	3.503	3.524	3.519	3.516
Average	3.533	3.533	3.532	3.533	3.534	3.531	3.527	3.524	3.533	3.529	3.521
Max	3.542	3.540	3.537	3.537	3.554	3.551	3.542	3.533	3.541	3.536	3.524
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660



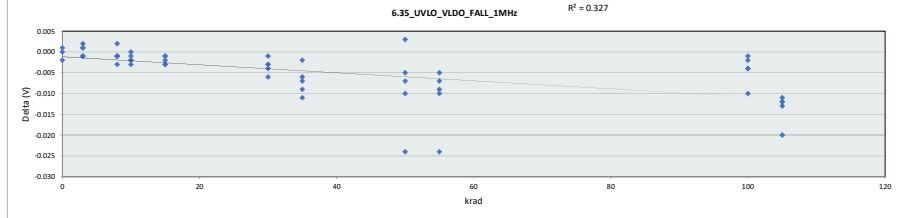


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

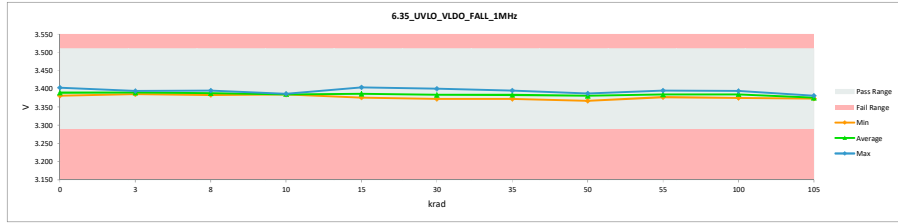
6.35_UVLO_VLDO_FALL_1MHz	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
3.51	3.51
3.29	3.29

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	3.405	3.403	-0.002
0	726	3.384	3.384	0.000
0	791	3.380	3.381	0.001
3	689	3.393	3.394	0.001
3	688	3.383	3.385	0.002
3	700	3.392	3.393	0.001
3	482	3.392	3.391	-0.001
3	1033	3.386	3.385	-0.001
8	442	3.384	3.383	-0.001
8	699	3.388	3.387	-0.001
8	344	3.386	3.383	-0.003
8	355	3.388	3.390	0.002
8	790	3.396	3.395	-0.001
10	537	3.387	3.385	-0.002
10	396	3.384	3.384	0.000
10	521	3.387	3.385	-0.002
10	535	3.385	3.384	-0.001
10	526	3.389	3.386	-0.003
15	940	3.407	3.404	-0.003
15	387	3.379	3.377	-0.002
15	787	3.393	3.392	-0.001
15	1042	3.386	3.383	-0.003
15	483	3.377	3.376	-0.001
30	597	3.375	3.372	-0.003
30	853	3.375	3.372	-0.003
30	416	3.391	3.390	-0.001
30	949	3.388	3.384	-0.004
30	221	3.406	3.400	-0.006
35	538	3.394	3.392	-0.002
35	164	3.406	3.395	-0.011
35	1018	3.380	3.373	-0.007
35	462	3.378	3.372	-0.006
35	1032	3.393	3.384	-0.009
50	566	3.405	3.381	-0.024
50	197	3.377	3.367	-0.010
50	793	3.390	3.383	-0.007
50	802	3.392	3.387	-0.005
50	61	3.384	3.387	0.003
55	795	3.401	3.377	-0.024
55	921	3.393	3.388	-0.005
55	741	3.394	3.385	-0.009
55	809	3.402	3.395	-0.007
55	804	3.387	3.377	-0.010
100	449	3.395	3.394	-0.001
100	541	3.381	3.379	-0.002
100	476	3.395	3.391	-0.004
100	45	3.385	3.375	-0.010
100	642	3.389	3.385	-0.004
105	1036	3.385	3.373	-0.012
105	1038	3.388	3.375	-0.013
105	203	3.393	3.381	-0.012
105	1029	3.395	3.375	-0.020
105	1027	3.384	3.373	-0.011
105	Max	3.407	3.404	0.003
105	Average	3.389	3.384	-0.005
105	Min	3.375	3.367	-0.008
105	Std Dev	0.008	0.008	0.006



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290
Min	3.381	3.385	3.383	3.384	3.376	3.372	3.372	3.367	3.377	3.375	3.373
Average	3.389	3.390	3.388	3.385	3.386	3.384	3.383	3.381	3.384	3.385	3.375
Max	3.403	3.394	3.395	3.386	3.404	3.400	3.395	3.387	3.395	3.394	3.381
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510

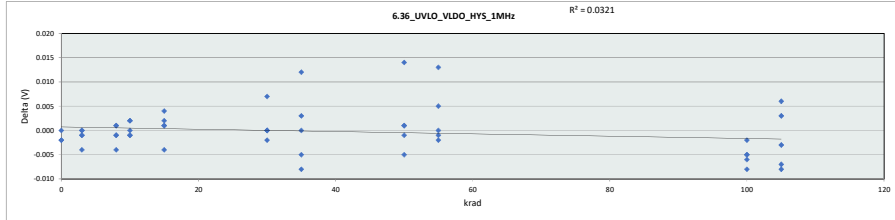


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

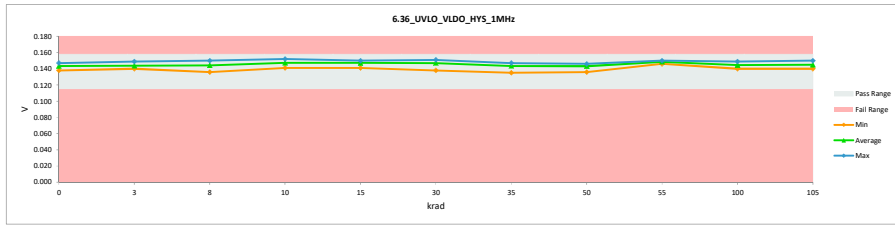
6.36 UVLO_VLDO_HYS_1MHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.158
Min Limit	0.115

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.138	0.138	0.000
0	726	0.149	0.147	-0.002
0	791	0.147	0.145	-0.002
3	689	0.145	0.144	-0.001
3	688	0.150	0.146	-0.004
3	700	0.140	0.140	0.000
3	482	0.149	0.149	0.000
3	1033	0.141	0.140	-0.001
8	442	0.150	0.149	-0.001
8	699	0.151	0.150	-0.001
8	344	0.142	0.143	0.001
8	355	0.147	0.143	-0.004
8	790	0.135	0.136	0.001
10	537	0.144	0.144	0.000
10	396	0.148	0.150	0.002
10	521	0.153	0.152	-0.001
10	535	0.148	0.150	0.002
10	526	0.142	0.141	-0.001
15	940	0.148	0.150	0.002
15	387	0.144	0.145	0.001
15	787	0.146	0.150	0.004
15	1042	0.149	0.150	0.001
15	483	0.145	0.141	-0.004
30	597	0.149	0.149	0.000
30	853	0.146	0.146	0.000
30	416	0.138	0.138	0.000
30	949	0.153	0.151	-0.002
30	221	0.144	0.151	0.007
35	538	0.140	0.135	-0.005
35	164	0.135	0.147	0.012
35	1018	0.146	0.146	0.000
35	462	0.143	0.146	0.003
35	1032	0.152	0.144	-0.008
50	566	0.132	0.146	0.014
50	197	0.137	0.136	-0.001
50	793	0.145	0.146	0.001
50	802	0.145	0.146	0.001
50	61	0.147	0.142	-0.005
55	795	0.137	0.150	0.013
55	921	0.151	0.150	-0.001
55	741	0.145	0.150	0.005
55	809	0.148	0.146	-0.002
55	804	0.147	0.147	0.000
100	449	0.151	0.143	-0.008
100	541	0.146	0.140	-0.006
100	476	0.147	0.145	-0.002
100	45	0.154	0.149	-0.005
100	642	0.151	0.146	-0.005
105	1036	0.144	0.150	0.006
105	1038	0.152	0.144	-0.008
105	203	0.150	0.143	-0.007
105	1029	0.143	0.140	-0.003
105	1027	0.145	0.148	0.003
105	Max	0.154	0.152	0.014
105	Average	0.146	0.145	0.000
105	Min	0.132	0.135	-0.008
105	Std Dev	0.005	0.004	0.005



6.36 UVLO_VLDO_HYS_1MHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.158
Min Limit	0.115

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
Min	0.138	0.140	0.136	0.141	0.141	0.138	0.135	0.136	0.146	0.140	0.140
Average	0.143	0.144	0.144	0.147	0.147	0.147	0.144	0.143	0.149	0.145	0.145
Max	0.147	0.149	0.150	0.152	0.150	0.151	0.147	0.146	0.150	0.149	0.150
UL	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158

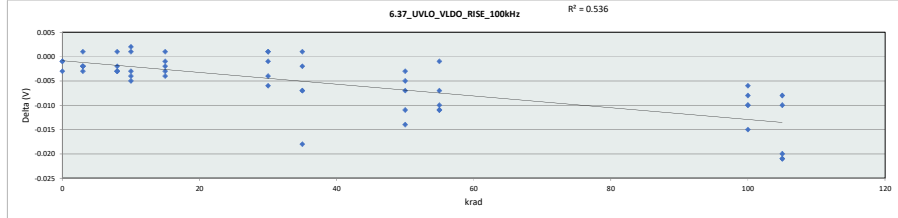


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

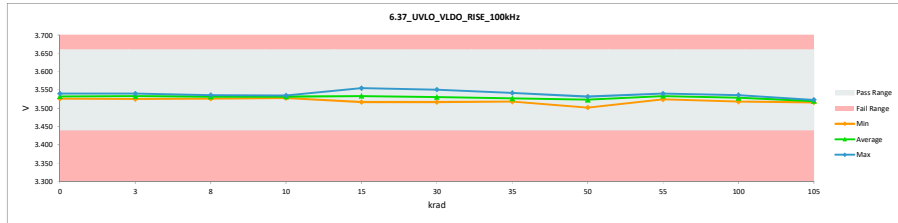
6.37_UVLO_VLDO_RISE_100kHz	
Test Site	Tester
Test Number	Unit
Max Limit	V
Min Limit	V
	3.66
	3.44

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	3.543	3.540	-0.003
0	726	3.533	3.532	-0.001
0	791	3.527	3.526	-0.001
3	689	3.539	3.537	-0.002
3	688	3.534	3.531	-0.003
3	700	3.532	3.533	0.001
3	482	3.542	3.540	-0.002
3	1033	3.527	3.525	-0.002
8	442	3.535	3.532	-0.003
8	699	3.539	3.536	-0.003
8	344	3.528	3.526	-0.002
8	355	3.536	3.533	-0.003
8	790	3.531	3.532	0.001
10	637	3.529	3.529	-0.003
10	396	3.532	3.534	0.002
10	521	3.540	3.535	-0.005
10	535	3.533	3.534	0.001
10	526	3.532	3.528	-0.004
15	940	3.556	3.555	-0.001
15	387	3.524	3.522	-0.002
15	787	3.540	3.541	0.001
15	1042	3.535	3.532	-0.003
15	483	3.521	3.517	-0.004
30	597	3.522	3.521	-0.001
30	853	3.521	3.517	-0.004
30	416	3.529	3.530	0.001
30	949	3.540	3.534	-0.006
30	221	3.550	3.551	0.001
35	538	3.534	3.527	-0.007
35	164	3.541	3.542	0.001
35	1018	3.527	3.520	-0.007
35	462	3.520	3.518	-0.002
35	1032	3.545	3.527	-0.018
50	566	3.538	3.527	-0.011
50	197	3.516	3.502	-0.014
50	793	3.536	3.529	-0.007
50	802	3.537	3.532	-0.005
50	61	3.530	3.527	-0.003
55	795	3.539	3.528	-0.011
55	921	3.545	3.538	-0.007
55	741	3.538	3.537	-0.001
55	809	3.551	3.540	-0.011
55	804	3.534	3.524	-0.010
100	449	3.546	3.536	-0.010
100	541	3.526	3.518	-0.008
100	476	3.542	3.536	-0.006
100	45	3.538	3.523	-0.015
100	642	3.540	3.530	-0.010
105	1036	3.529	3.521	-0.008
105	1038	3.540	3.519	-0.021
105	203	3.543	3.523	-0.020
105	1029	3.537	3.516	-0.021
105	1027	3.529	3.519	-0.010
105	Max	3.556	3.555	0.002
105	Average	3.535	3.529	-0.006
105	Min	3.516	3.502	-0.012
105	Std Dev	0.008	0.009	0.006



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440
Min	3.526	3.525	3.526	3.528	3.517	3.517	3.518	3.502	3.524	3.518	3.516
Average	3.533	3.533	3.532	3.532	3.533	3.531	3.527	3.523	3.533	3.529	3.520
Max	3.540	3.540	3.536	3.535	3.555	3.551	3.542	3.532	3.540	3.536	3.523
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660

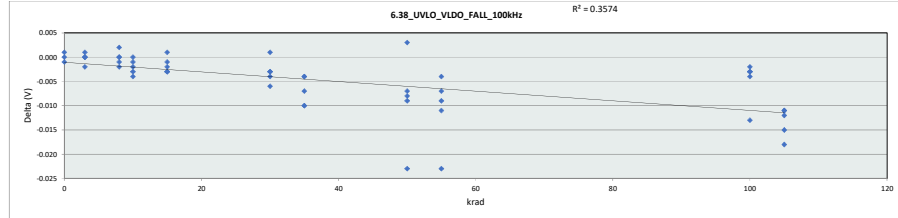


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

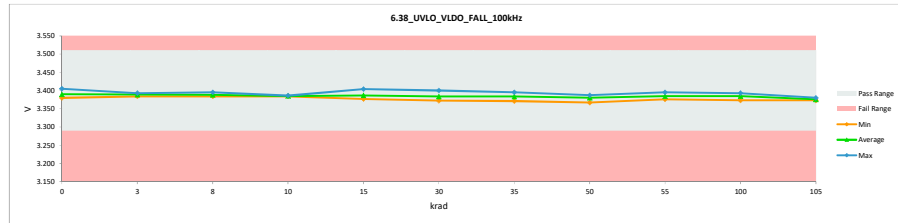
6.38 UVLO_VLDO_FALL_100kHz	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	3.51 3.51
Min Limit	3.29 3.29

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	3.404	3.405	0.001
0	726	3.385	3.384	-0.001
0	791	3.380	3.380	0.000
3	689	3.393	3.393	0.000
3	688	3.384	3.385	0.001
3	700	3.392	3.392	0.000
3	482	3.391	3.391	0.000
3	1033	3.385	3.384	-0.002
8	442	3.384	3.384	0.000
8	699	3.388	3.388	0.000
8	344	3.386	3.384	-0.002
8	355	3.388	3.390	0.002
8	790	3.396	3.395	-0.001
10	437	3.387	3.384	-0.003
10	396	3.385	3.384	-0.001
10	521	3.387	3.385	-0.002
10	535	3.386	3.386	0.000
10	526	3.390	3.386	-0.004
15	940	3.407	3.404	-0.003
15	387	3.378	3.377	-0.001
15	787	3.394	3.392	-0.002
15	1042	3.386	3.383	-0.003
15	483	3.376	3.377	0.001
30	597	3.375	3.372	-0.003
30	853	3.375	3.372	-0.003
30	416	3.390	3.391	0.001
30	949	3.388	3.384	-0.004
30	221	3.406	3.400	-0.006
35	538	3.395	3.391	-0.004
35	164	3.405	3.395	-0.010
35	1018	3.381	3.377	-0.004
35	462	3.378	3.371	-0.007
35	1032	3.394	3.384	-0.010
50	566	3.404	3.381	-0.023
50	197	3.376	3.367	-0.009
50	793	3.390	3.382	-0.008
50	802	3.393	3.386	-0.007
50	61	3.384	3.387	0.003
55	795	3.400	3.377	-0.023
55	921	3.392	3.388	-0.004
55	741	3.395	3.386	-0.009
55	809	3.402	3.395	-0.007
55	804	3.387	3.376	-0.011
100	449	3.396	3.393	-0.003
100	541	3.382	3.379	-0.003
100	476	3.395	3.391	-0.004
100	45	3.386	3.373	-0.013
100	642	3.388	3.386	-0.002
105	1036	3.385	3.373	-0.012
105	1038	3.387	3.376	-0.011
105	203	3.395	3.380	-0.015
105	1029	3.394	3.376	-0.018
105	1027	3.384	3.373	-0.011
105	Max	3.407	3.405	0.003
105	Average	3.389	3.384	-0.005
105	Min	3.375	3.367	-0.008
105	Std Dev	0.008	0.008	0.006



6.38 UVLO_VLDO_FALL_100kHz	
Test Site	
Tester	
Test Number	
Max Limit	3.51 V
Min Limit	3.29 V

krad	0	3	8	10	15	30	35	50	55	100	105
LL	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290
Min	3.380	3.384	3.384	3.384	3.377	3.372	3.371	3.367	3.376	3.373	3.373
Average	3.390	3.389	3.388	3.385	3.387	3.384	3.384	3.381	3.384	3.384	3.376
Max	3.405	3.393	3.395	3.386	3.404	3.400	3.395	3.387	3.395	3.393	3.380
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510

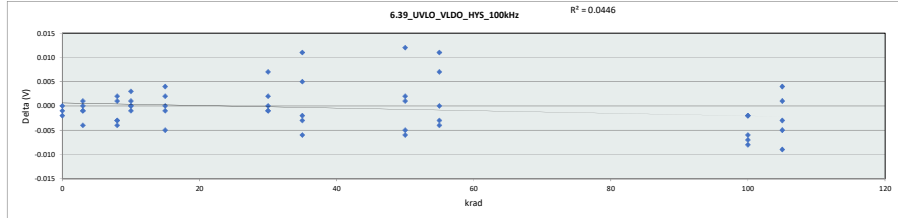


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

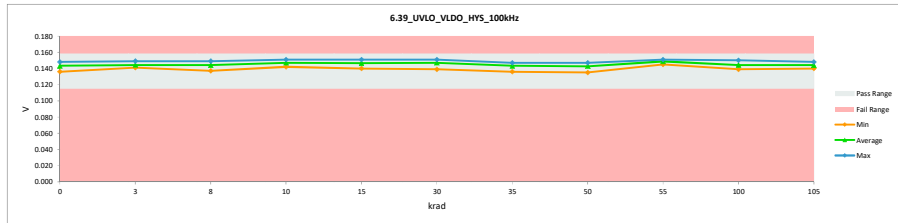
6.39_UVLO_VLDO_HYS_100kHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.158
Min Limit	0.115

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	0.138	0.136	-0.002
0	726	0.148	0.148	0.000
0	791	0.147	0.146	-0.001
3	689	0.146	0.145	-0.001
3	688	0.150	0.146	-0.004
3	700	0.140	0.141	0.001
3	482	0.150	0.149	-0.001
3	1033	0.145	0.141	-0.004
8	442	0.151	0.148	-0.003
8	699	0.152	0.149	-0.003
8	344	0.142	0.143	0.001
8	355	0.147	0.143	-0.004
8	790	0.135	0.137	0.002
10	537	0.145	0.145	0.000
10	396	0.147	0.150	0.003
10	521	0.152	0.151	-0.001
10	535	0.147	0.148	0.001
10	526	0.142	0.142	0.000
15	940	0.149	0.151	0.002
15	387	0.145	0.145	0.000
15	787	0.145	0.149	0.004
15	1042	0.149	0.148	-0.001
15	483	0.145	0.140	-0.005
30	597	0.148	0.150	0.002
30	853	0.146	0.145	-0.001
30	416	0.139	0.139	0.000
30	949	0.152	0.151	-0.001
30	221	0.144	0.151	0.007
35	538	0.139	0.136	-0.003
35	164	0.136	0.147	0.011
35	1018	0.145	0.143	-0.002
35	462	0.142	0.147	0.005
35	1032	0.150	0.144	-0.006
50	566	0.134	0.146	0.012
50	197	0.140	0.135	-0.005
50	793	0.146	0.147	0.001
50	802	0.144	0.146	0.002
50	61	0.146	0.140	-0.006
55	795	0.139	0.150	0.011
55	921	0.153	0.150	-0.003
55	741	0.144	0.151	0.007
55	809	0.149	0.145	-0.004
55	804	0.148	0.148	0.000
100	449	0.150	0.143	-0.007
100	541	0.145	0.139	-0.006
100	476	0.147	0.145	-0.002
100	45	0.152	0.150	-0.002
100	642	0.152	0.144	-0.008
105	1036	0.144	0.148	0.004
105	1038	0.152	0.143	-0.009
105	203	0.148	0.143	-0.005
105	1029	0.143	0.140	-0.003
105	1027	0.145	0.146	0.001
105	Max	0.153	0.151	0.012
105	Average	0.146	0.145	0.000
105	Min	0.134	0.135	-0.009
105	Std Dev	0.005	0.004	0.005



6.39_UVLO_VLDO_HYS_100kHz	
Test Site	
Tester	
Test Number	
Max Limit	0.158
Min Limit	0.115

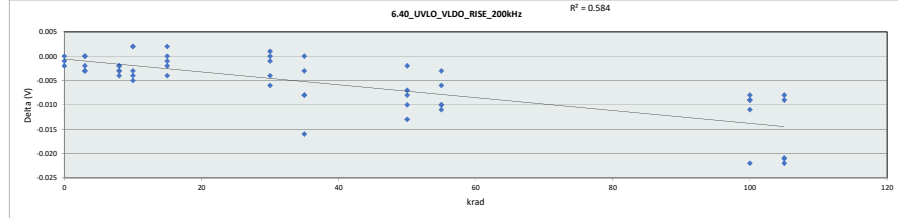
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
Min	0.136	0.141	0.137	0.142	0.140	0.139	0.136	0.135	0.145	0.139	0.140
Average	0.143	0.144	0.144	0.147	0.147	0.147	0.143	0.143	0.149	0.144	0.144
Max	0.148	0.149	0.149	0.151	0.151	0.147	0.147	0.147	0.151	0.150	0.148
UL	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158



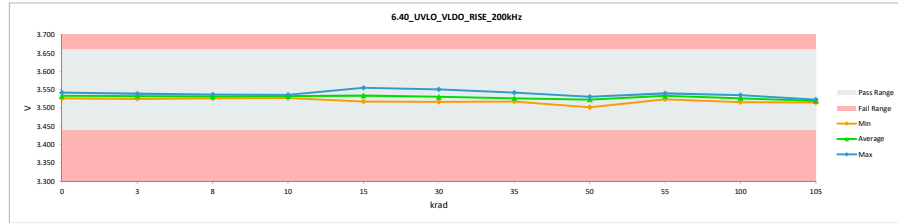
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

6.40_UVLO_VLDO_RISE_200kHz				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	3.542	3.542	0.000
0	726	3.534	3.532	-0.002
0	791	3.527	3.526	-0.001
3	689	3.537	3.537	0.000
3	688	3.533	3.530	-0.003
3	700	3.533	3.533	0.000
3	482	3.542	3.539	-0.003
3	1033	3.527	3.525	-0.002
8	442	3.535	3.531	-0.004
8	699	3.540	3.537	-0.003
8	344	3.528	3.526	-0.002
8	355	3.536	3.533	-0.003
8	790	3.532	3.530	-0.002
10	537	3.529	3.529	-0.003
10	396	3.532	3.534	0.002
10	521	3.540	3.536	-0.004
10	535	3.533	3.535	0.002
10	526	3.532	3.527	-0.005
15	940	3.555	3.555	0.000
15	387	3.523	3.522	-0.001
15	787	3.539	3.541	0.002
15	1042	3.535	3.533	-0.002
15	483	3.522	3.518	-0.004
30	597	3.523	3.522	-0.001
30	853	3.521	3.517	-0.004
30	416	3.529	3.529	0.000
30	949	3.540	3.534	-0.006
30	221	3.550	3.551	0.001
35	538	3.534	3.526	-0.008
35	164	3.542	3.542	0.000
35	1018	3.527	3.519	-0.008
35	462	3.521	3.518	-0.003
35	1032	3.544	3.528	-0.016
50	566	3.537	3.527	-0.010
50	197	3.515	3.502	-0.013
50	793	3.536	3.528	-0.008
50	802	3.538	3.531	-0.007
50	61	3.530	3.528	-0.002
55	795	3.539	3.529	-0.010
55	921	3.544	3.538	-0.006
55	741	3.538	3.535	-0.003
55	809	3.551	3.540	-0.011
55	804	3.534	3.524	-0.010
100	449	3.546	3.535	-0.011
100	541	3.527	3.518	-0.009
100	476	3.543	3.535	-0.008
100	45	3.538	3.516	-0.022
100	642	3.539	3.530	-0.009
105	1036	3.530	3.522	-0.008
105	1038	3.539	3.518	-0.021
105	203	3.544	3.523	-0.021
105	1029	3.537	3.515	-0.022
105	1027	3.529	3.520	-0.009
105	Max	3.555	3.555	0.002
105	Average	3.535	3.529	-0.006
105	Min	3.515	3.502	-0.022
105	Std Dev	0.008	0.009	0.006



6.40_UVLO_VLDO_RISE_200kHz											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440
Min	3.526	3.525	3.526	3.527	3.518	3.517	3.518	3.502	3.524	3.516	3.515
Average	3.533	3.533	3.531	3.532	3.534	3.531	3.527	3.523	3.533	3.527	3.520
Max	3.542	3.539	3.537	3.536	3.555	3.551	3.542	3.531	3.540	3.535	3.523
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660

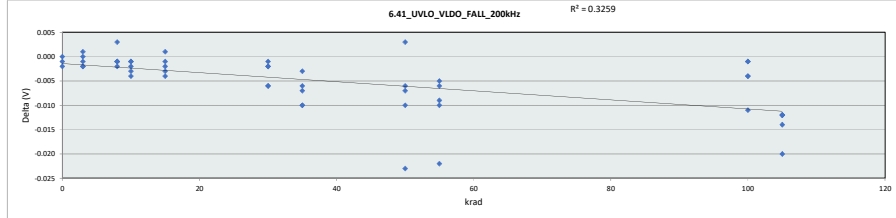


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

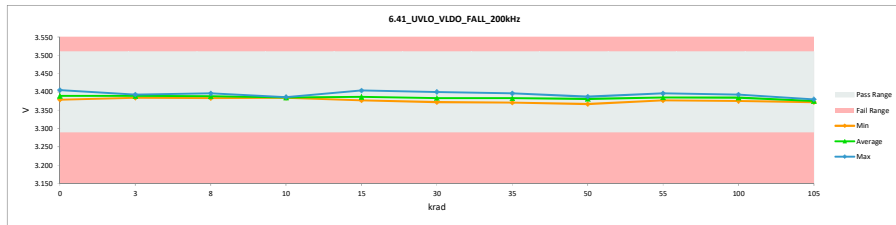
6.41_UVLO_VLDO_FALL_200kHz		
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	3.51	3.51
Min Limit	3.29	3.29

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	3.405	3.405	0.000
0	726	3.386	3.384	-0.002
0	791	3.380	3.379	-0.001
3	689	3.393	3.393	0.000
3	688	3.384	3.385	0.001
3	700	3.393	3.392	-0.001
3	482	3.393	3.391	-0.002
3	1033	3.386	3.384	-0.002
8	442	3.384	3.383	-0.001
8	699	3.388	3.387	-0.001
8	344	3.386	3.384	-0.002
8	355	3.388	3.391	0.003
8	790	3.397	3.396	-0.001
10	437	3.387	3.385	-0.002
10	396	3.385	3.384	-0.001
10	521	3.388	3.385	-0.003
10	535	3.385	3.384	-0.001
10	526	3.390	3.386	-0.004
15	940	3.408	3.404	-0.004
15	387	3.379	3.377	-0.002
15	787	3.392	3.391	-0.001
15	1042	3.386	3.383	-0.003
15	483	3.376	3.377	0.001
30	597	3.374	3.372	-0.002
30	853	3.375	3.373	-0.002
30	416	3.391	3.390	-0.001
30	949	3.388	3.382	-0.006
30	221	3.406	3.400	-0.006
35	538	3.394	3.391	-0.003
35	164	3.406	3.396	-0.010
35	1018	3.380	3.373	-0.007
35	462	3.377	3.371	-0.006
35	1032	3.393	3.383	-0.010
50	566	3.404	3.381	-0.023
50	197	3.377	3.367	-0.010
50	793	3.390	3.383	-0.007
50	802	3.393	3.387	-0.006
50	61	3.383	3.386	0.003
55	795	3.400	3.378	-0.022
55	921	3.393	3.388	-0.005
55	741	3.395	3.386	-0.009
55	809	3.402	3.396	-0.006
55	804	3.387	3.377	-0.010
100	449	3.394	3.393	-0.001
100	541	3.380	3.379	-0.001
100	476	3.395	3.391	-0.004
100	45	3.386	3.375	-0.011
100	642	3.389	3.385	-0.004
105	1036	3.385	3.373	-0.012
105	1038	3.388	3.376	-0.012
105	203	3.394	3.380	-0.014
105	1029	3.394	3.374	-0.020
105	1027	3.384	3.372	-0.012
105	Max	3.408	3.405	0.003
105	Average	3.389	3.384	-0.005
105	Min	3.374	3.367	-0.007
105	Std Dev	0.008	0.008	0.000



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

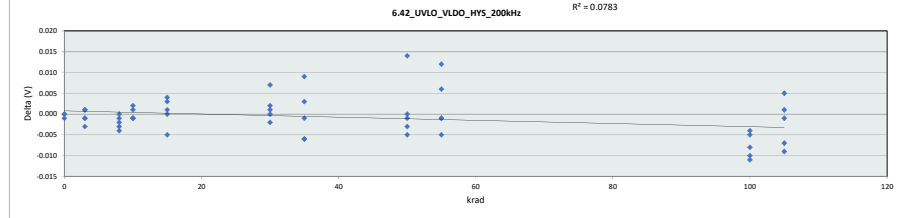
krad	0	3	8	10	15	30	35	50	55	100	105
LL	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290
Min	3.379	3.384	3.383	3.384	3.377	3.372	3.371	3.367	3.377	3.375	3.372
Average	3.389	3.389	3.388	3.385	3.386	3.383	3.383	3.381	3.385	3.385	3.375
Max	3.405	3.393	3.396	3.386	3.404	3.400	3.396	3.387	3.396	3.393	3.380
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510



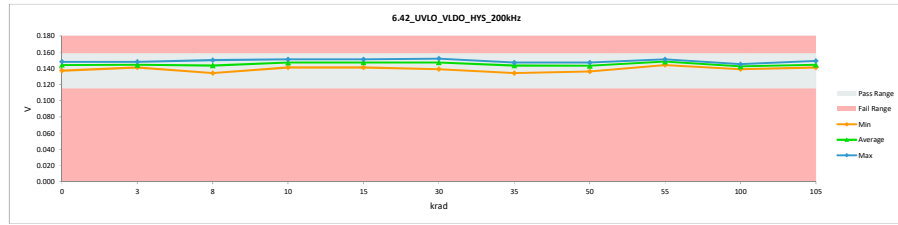
HDR TID Report  
TPS7H5004-SP QMLP

krad (SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

6.42_UVLO_VLDO_HYS_200kHz				
krad	Serial #	PRE HDR	POST HDR	Delta
0	552	0.138	0.137	-0.001
0	726	0.148	0.148	0.000
0	791	0.147	0.147	0.000
3	689	0.145	0.144	-0.001
3	688	0.149	0.146	-0.003
3	700	0.140	0.141	0.001
3	482	0.149	0.148	-0.001
3	1033	0.147	0.142	0.001
8	442	0.151	0.148	-0.003
8	699	0.152	0.150	-0.002
8	344	0.142	0.142	0.000
8	355	0.147	0.143	-0.004
8	790	0.135	0.134	-0.001
10	537	0.146	0.144	-0.001
10	396	0.148	0.149	0.001
10	521	0.152	0.151	-0.001
10	535	0.148	0.150	0.002
10	526	0.142	0.141	-0.001
15	940	0.147	0.151	0.004
15	387	0.144	0.145	0.001
15	787	0.147	0.150	0.003
15	1042	0.149	0.149	0.000
15	483	0.146	0.141	-0.005
30	597	0.148	0.150	0.002
30	853	0.146	0.144	-0.002
30	416	0.138	0.139	0.001
30	949	0.152	0.152	0.000
30	221	0.144	0.151	0.007
35	538	0.140	0.134	-0.006
35	164	0.136	0.145	0.009
35	1018	0.147	0.146	-0.001
35	462	0.144	0.147	0.003
35	1032	0.151	0.145	-0.006
50	566	0.133	0.147	0.014
50	197	0.139	0.136	-0.003
50	793	0.146	0.145	-0.001
50	802	0.145	0.145	0.000
50	61	0.147	0.142	-0.005
55	795	0.139	0.151	0.012
55	921	0.151	0.150	-0.001
55	741	0.143	0.149	0.006
55	809	0.149	0.144	-0.005
55	804	0.148	0.147	-0.001
100	449	0.152	0.142	-0.010
100	541	0.147	0.139	-0.008
100	476	0.148	0.144	-0.004
100	45	0.152	0.141	-0.011
100	642	0.150	0.145	-0.005
105	1036	0.144	0.149	0.005
105	1038	0.151	0.142	-0.009
105	203	0.150	0.143	-0.007
105	1029	0.142	0.141	-0.001
105	1027	0.146	0.147	0.001
105	Max	0.152	0.152	0.014
105	Average	0.146	0.145	-0.001
105	Min	0.133	0.134	-0.011
105	Std Dev	0.005	0.004	0.005



6.42_UVLO_VLDO_HYS_200kHz											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
Min	0.137	0.141	0.134	0.141	0.141	0.139	0.134	0.136	0.144	0.139	0.141
Average	0.144	0.144	0.143	0.147	0.147	0.147	0.143	0.143	0.148	0.142	0.144
Max	0.148	0.148	0.150	0.151	0.151	0.152	0.147	0.147	0.151	0.145	0.149
UL	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158



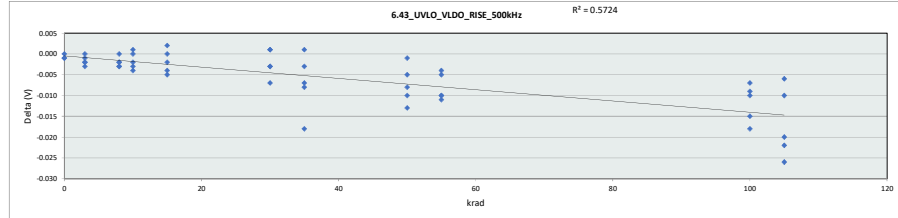


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

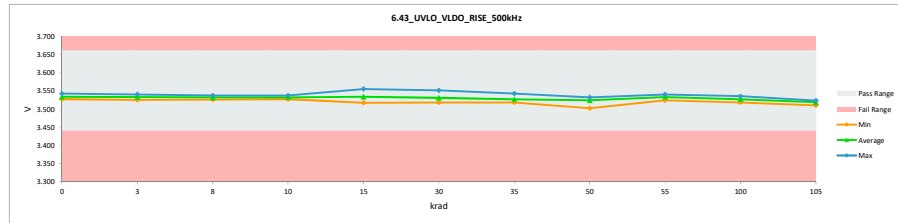
6.43 UVLO_VLDO_RISE_500kHz	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
3.66	3.66
3.44	3.44

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	3.543	3.542	-0.001
0	726	3.533	3.532	-0.001
0	791	3.527	3.527	0.000
3	689	3.538	3.537	-0.001
3	688	3.533	3.530	-0.003
3	700	3.533	3.533	0.000
3	482	3.542	3.540	-0.002
3	1033	3.527	3.525	-0.002
8	442	3.534	3.532	-0.002
8	699	3.539	3.537	-0.002
8	344	3.529	3.526	-0.003
8	355	3.535	3.532	-0.003
8	790	3.531	3.531	0.000
10	537	3.529	3.529	-0.003
10	396	3.532	3.533	0.001
10	521	3.539	3.537	-0.002
10	535	3.534	3.534	0.000
10	526	3.531	3.527	-0.004
15	940	3.555	3.555	0.000
15	387	3.524	3.522	-0.002
15	787	3.540	3.542	0.002
15	1042	3.536	3.532	-0.004
15	483	3.522	3.517	-0.005
30	597	3.524	3.521	-0.003
30	853	3.521	3.518	-0.003
30	416	3.528	3.529	0.001
30	949	3.541	3.534	-0.007
30	221	3.550	3.551	0.001
35	538	3.534	3.527	-0.007
35	164	3.541	3.542	0.001
35	1018	3.526	3.518	-0.008
35	462	3.521	3.518	-0.003
35	1032	3.545	3.527	-0.018
50	566	3.537	3.527	-0.010
50	197	3.515	3.502	-0.013
50	793	3.536	3.528	-0.008
50	802	3.537	3.532	-0.005
50	61	3.530	3.529	-0.001
55	795	3.538	3.528	-0.010
55	921	3.544	3.539	-0.005
55	741	3.539	3.535	-0.004
55	809	3.551	3.540	-0.011
55	804	3.534	3.524	-0.010
100	449	3.546	3.528	-0.018
100	541	3.527	3.518	-0.009
100	476	3.542	3.535	-0.007
100	45	3.538	3.523	-0.015
100	642	3.540	3.530	-0.010
105	1036	3.529	3.523	-0.006
105	1038	3.540	3.518	-0.022
105	203	3.543	3.523	-0.020
105	1029	3.536	3.510	-0.026
105	1027	3.529	3.519	-0.010
105	Max	3.555	3.555	0.002
105	Average	3.535	3.529	-0.006
105	Min	3.515	3.502	-0.026
105	Std Dev	0.008	0.009	0.006



6.43 UVLO_VLDO_RISE_500kHz	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
3.66	3.66
3.44	3.44

krad	0	3	8	10	15	30	35	50	55	100	105
LL	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440
Min	3.527	3.525	3.526	3.527	3.517	3.518	3.518	3.502	3.524	3.518	3.510
Average	3.534	3.533	3.532	3.532	3.534	3.531	3.526	3.524	3.533	3.527	3.519
Max	3.542	3.540	3.537	3.537	3.555	3.551	3.542	3.532	3.540	3.535	3.523
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660

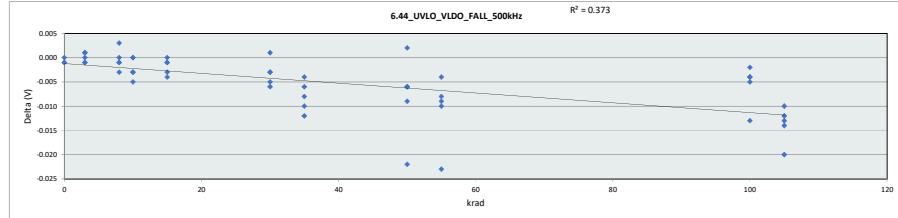


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

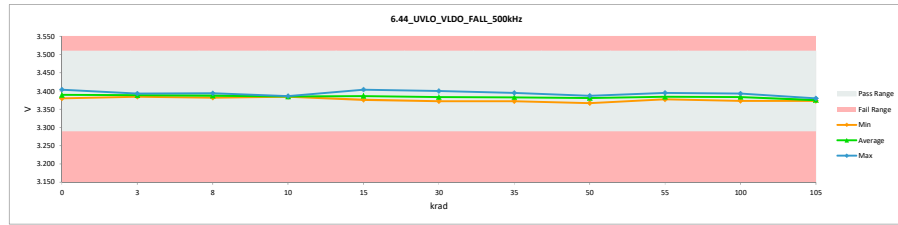
6.44 UVLO_VLDO_FALL_500kHz	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
3.51	3.51
3.29	3.29

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	3.405	3.404	-0.001
0	726	3.385	3.384	-0.001
0	791	3.380	3.380	0.000
3	689	3.392	3.393	0.001
3	688	3.383	3.384	0.001
3	700	3.392	3.392	0.000
3	482	3.392	3.391	-0.001
3	1033	3.385	3.384	-0.001
8	442	3.384	3.383	-0.001
8	699	3.388	3.388	0.000
8	344	3.385	3.382	-0.003
8	355	3.387	3.390	0.003
8	750	3.395	3.394	-0.001
10	437	3.388	3.385	-0.003
10	396	3.384	3.384	0.000
10	521	3.388	3.385	-0.003
10	535	3.385	3.385	0.000
10	526	3.391	3.386	-0.005
15	940	3.408	3.404	-0.004
15	387	3.378	3.377	-0.001
15	787	3.393	3.392	-0.001
15	1042	3.386	3.383	-0.003
15	483	3.376	3.376	0.000
30	597	3.375	3.372	-0.003
30	853	3.375	3.372	-0.003
30	416	3.390	3.391	0.001
30	949	3.388	3.383	-0.005
30	221	3.406	3.400	-0.006
35	538	3.395	3.391	-0.004
35	164	3.407	3.395	-0.012
35	1018	3.381	3.373	-0.008
35	462	3.378	3.372	-0.006
35	1032	3.393	3.383	-0.010
50	566	3.403	3.381	-0.022
50	197	3.376	3.367	-0.009
50	793	3.390	3.384	-0.006
50	802	3.393	3.387	-0.006
50	61	3.384	3.386	0.002
55	795	3.400	3.377	-0.023
55	921	3.392	3.388	-0.004
55	741	3.394	3.385	-0.009
55	809	3.403	3.395	-0.008
55	804	3.387	3.377	-0.010
100	449	3.395	3.393	-0.002
100	541	3.382	3.378	-0.004
100	476	3.395	3.390	-0.005
100	45	3.386	3.373	-0.013
100	642	3.389	3.385	-0.004
105	1036	3.386	3.373	-0.013
105	1038	3.388	3.376	-0.012
105	203	3.394	3.380	-0.014
105	1029	3.394	3.374	-0.020
105	1027	3.383	3.373	-0.010
105	Max	3.408	3.404	0.003
105	Average	3.389	3.384	-0.005
105	Min	3.375	3.367	-0.008
105	Std Dev	0.008	0.008	0.006



6.44 UVLO_VLDO_FALL_500kHz	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
3.51	3.51
3.29	3.29

krad	0	3	8	10	15	30	35	50	55	100	105
LL	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290
Min	3.380	3.384	3.382	3.384	3.376	3.372	3.372	3.367	3.377	3.373	3.373
Average	3.389	3.389	3.387	3.385	3.386	3.384	3.383	3.381	3.384	3.384	3.375
Max	3.404	3.393	3.394	3.386	3.404	3.400	3.395	3.387	3.395	3.393	3.380
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510

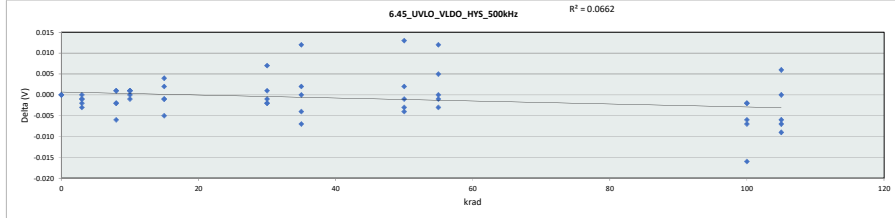


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

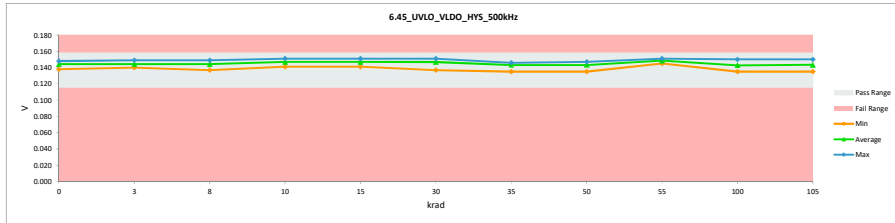
6.45_UVLO_VLDO_HYS_500kHz	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
0.158	0.158
0.115	0.115

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.138	0.138	0.000
0	726	0.148	0.148	0.000
0	791	0.147	0.147	0.000
3	689	0.146	0.144	-0.002
3	688	0.150	0.147	-0.003
3	700	0.140	0.140	0.000
3	482	0.150	0.149	-0.001
3	1033	0.142	0.141	-0.001
8	442	0.151	0.149	-0.002
8	699	0.151	0.149	-0.002
8	344	0.143	0.144	0.001
8	355	0.148	0.142	-0.006
8	790	0.136	0.137	0.001
10	537	0.144	0.144	0.000
10	396	0.148	0.149	0.001
10	521	0.152	0.151	-0.001
10	535	0.149	0.150	0.001
10	526	0.140	0.141	0.001
15	940	0.147	0.151	0.004
15	387	0.146	0.145	-0.001
15	787	0.147	0.149	0.002
15	1042	0.150	0.149	-0.001
15	483	0.146	0.141	-0.005
30	597	0.148	0.149	0.001
30	853	0.147	0.146	-0.001
30	416	0.139	0.137	-0.002
30	949	0.153	0.151	-0.002
30	221	0.144	0.151	0.007
35	538	0.139	0.135	-0.004
35	164	0.134	0.146	0.012
35	1018	0.145	0.145	0.000
35	462	0.144	0.146	0.002
35	1032	0.151	0.144	-0.007
50	566	0.134	0.147	0.013
50	197	0.139	0.135	-0.004
50	793	0.146	0.145	-0.001
50	802	0.144	0.146	0.002
50	61	0.146	0.143	-0.003
55	795	0.138	0.150	0.012
55	921	0.152	0.151	-0.001
55	741	0.145	0.150	0.005
55	809	0.148	0.145	-0.003
55	804	0.147	0.147	0.000
100	449	0.151	0.135	-0.016
100	541	0.146	0.139	-0.007
100	476	0.147	0.145	-0.002
100	45	0.152	0.150	-0.002
100	642	0.151	0.145	-0.006
105	1036	0.144	0.150	0.006
105	1038	0.152	0.143	-0.009
105	203	0.149	0.143	-0.006
105	1029	0.142	0.135	-0.007
105	1027	0.146	0.146	0.000
105	Max	0.153	0.151	0.013
105	Average	0.146	0.145	-0.001
105	Min	0.134	0.135	-0.016
105	Std Dev	0.005	0.005	0.005



6.45_UVLO_VLDO_HYS_500kHz	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
0.158	0.158
0.115	0.115

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
Min	0.138	0.140	0.137	0.141	0.141	0.137	0.135	0.135	0.145	0.135	0.135
Average	0.144	0.144	0.144	0.147	0.147	0.147	0.143	0.143	0.149	0.143	0.143
Max	0.148	0.149	0.149	0.151	0.151	0.151	0.146	0.147	0.151	0.150	0.150
UL	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158

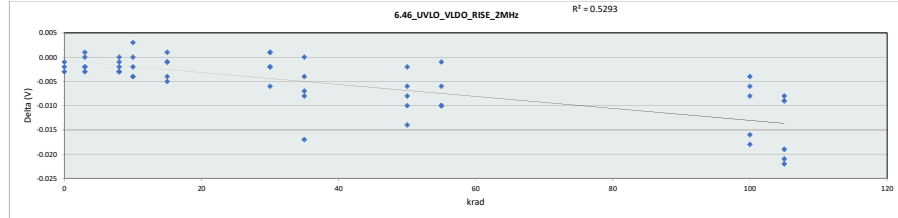


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

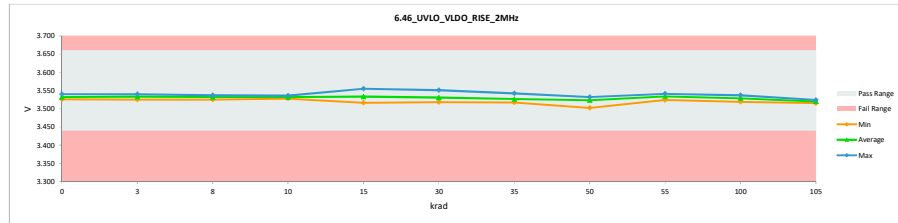
6.46 UVLO_VLDO_RISE_2MHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	3.66
Min Limit	3.44

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	3.542	3.540	-0.002
0	726	3.534	3.531	-0.003
0	791	3.527	3.526	-0.001
3	689	3.537	3.537	0.000
3	688	3.533	3.531	-0.002
3	700	3.532	3.533	0.001
3	482	3.542	3.540	-0.002
3	1033	3.526	3.525	-0.001
8	442	3.533	3.533	0.000
8	699	3.538	3.537	-0.001
8	344	3.528	3.525	-0.003
8	355	3.536	3.533	-0.003
8	790	3.532	3.530	-0.002
10	537	3.531	3.529	-0.002
10	396	3.532	3.535	0.003
10	521	3.540	3.536	-0.004
10	535	3.534	3.534	0.000
10	526	3.532	3.528	-0.004
15	940	3.556	3.555	-0.001
15	387	3.524	3.523	-0.001
15	787	3.540	3.541	0.001
15	1042	3.536	3.532	-0.004
15	483	3.521	3.516	-0.005
30	597	3.523	3.521	-0.002
30	853	3.520	3.518	-0.002
30	416	3.529	3.530	0.001
30	949	3.540	3.534	-0.006
30	221	3.550	3.551	0.001
35	538	3.535	3.527	-0.008
35	164	3.542	3.542	0.000
35	1018	3.526	3.519	-0.007
35	462	3.521	3.517	-0.004
35	1032	3.545	3.528	-0.017
50	566	3.537	3.527	-0.010
50	197	3.516	3.502	-0.014
50	793	3.537	3.529	-0.008
50	802	3.538	3.532	-0.006
50	61	3.530	3.528	-0.002
55	795	3.538	3.528	-0.010
55	921	3.544	3.538	-0.006
55	741	3.538	3.537	-0.001
55	809	3.551	3.541	-0.010
55	804	3.534	3.524	-0.010
100	449	3.546	3.528	-0.018
100	541	3.527	3.519	-0.008
100	476	3.543	3.537	-0.006
100	45	3.539	3.523	-0.016
100	642	3.540	3.536	-0.004
105	1036	3.530	3.522	-0.008
105	1038	3.540	3.519	-0.021
105	203	3.543	3.524	-0.019
105	1029	3.537	3.515	-0.022
105	1027	3.529	3.520	-0.009
105	Max	3.556	3.555	0.003
105	Average	3.535	3.530	-0.005
105	Min	3.516	3.502	-0.022
105	Std Dev	0.008	0.009	0.006



6.46 UVLO_VLDO_RISE_2MHz	
Test Site	
Tester	
Test Number	
Max Limit	3.66
Min Limit	3.44

krad	0	3	8	10	15	30	35	50	55	100	105
LL	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440
Min	3.526	3.525	3.525	3.528	3.516	3.518	3.517	3.502	3.524	3.519	3.515
Average	3.532	3.533	3.532	3.532	3.533	3.531	3.527	3.524	3.534	3.529	3.520
Max	3.540	3.540	3.537	3.536	3.555	3.551	3.542	3.532	3.541	3.537	3.524
UL	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660

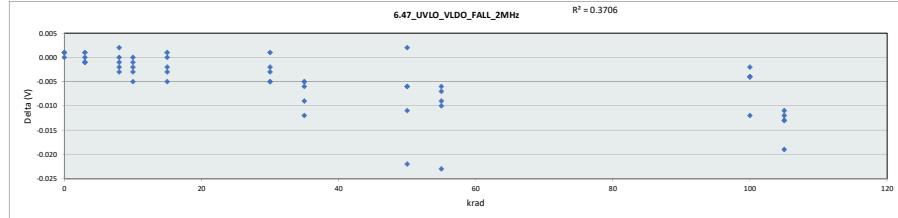


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

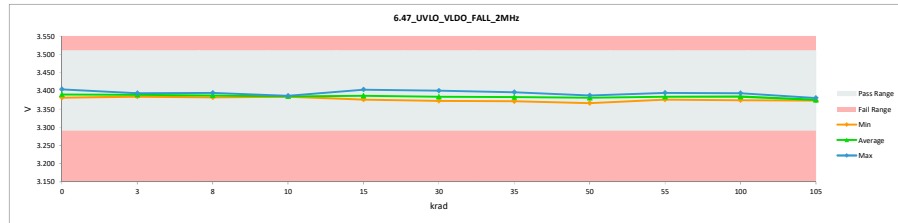
6.47_UVLO_VLDO_FALL_2MHz	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
3.51	3.51
3.29	3.29

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	3.404	3.404	0.000
0	726	3.384	3.385	0.001
0	791	3.380	3.381	0.001
3	689	3.392	3.393	0.001
3	688	3.384	3.384	0.000
3	700	3.393	3.392	-0.001
3	482	3.392	3.391	-0.001
3	1033	3.385	3.384	-0.001
8	442	3.383	3.383	0.000
8	699	3.388	3.387	-0.001
8	344	3.385	3.382	-0.003
8	355	3.388	3.390	0.002
8	790	3.396	3.394	-0.002
10	437	3.387	3.384	-0.003
10	396	3.384	3.384	0.000
10	521	3.387	3.385	-0.002
10	535	3.386	3.385	-0.001
10	526	3.391	3.386	-0.005
15	940	3.408	3.403	-0.005
15	387	3.377	3.378	0.001
15	787	3.394	3.392	-0.002
15	1042	3.386	3.383	-0.003
15	483	3.376	3.376	0.000
30	597	3.374	3.372	-0.002
30	853	3.376	3.373	-0.003
30	416	3.389	3.390	0.001
30	949	3.388	3.383	-0.005
30	221	3.405	3.400	-0.005
35	538	3.395	3.390	-0.005
35	164	3.405	3.396	-0.009
35	1018	3.381	3.376	-0.005
35	462	3.377	3.371	-0.006
35	1032	3.394	3.382	-0.012
50	566	3.404	3.382	-0.022
50	197	3.377	3.366	-0.011
50	793	3.389	3.383	-0.006
50	802	3.393	3.387	-0.006
50	61	3.384	3.386	0.002
55	795	3.400	3.377	-0.023
55	921	3.392	3.386	-0.006
55	741	3.394	3.385	-0.009
55	809	3.401	3.394	-0.007
55	804	3.386	3.376	-0.010
100	449	3.395	3.393	-0.002
100	541	3.381	3.377	-0.004
100	476	3.395	3.391	-0.004
100	45	3.386	3.374	-0.012
100	642	3.389	3.385	-0.004
105	1036	3.386	3.373	-0.013
105	1038	3.388	3.376	-0.012
105	203	3.393	3.380	-0.013
105	1029	3.393	3.374	-0.019
105	1027	3.384	3.373	-0.011
105	Max	3.408	3.404	0.002
105	Average	3.389	3.384	-0.005
105	Min	3.374	3.366	-0.023
105	Std Dev	0.008	0.008	0.006



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290
Min	3.361	3.384	3.382	3.384	3.376	3.372	3.371	3.366	3.376	3.374	3.373
Average	3.390	3.389	3.387	3.385	3.386	3.384	3.383	3.381	3.384	3.384	3.375
Max	3.404	3.393	3.394	3.386	3.403	3.400	3.396	3.387	3.394	3.393	3.380
UL	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510	3.510

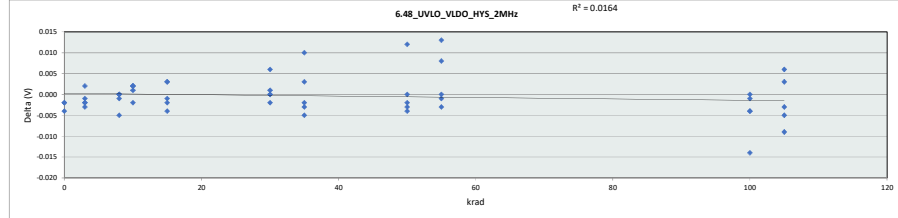


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

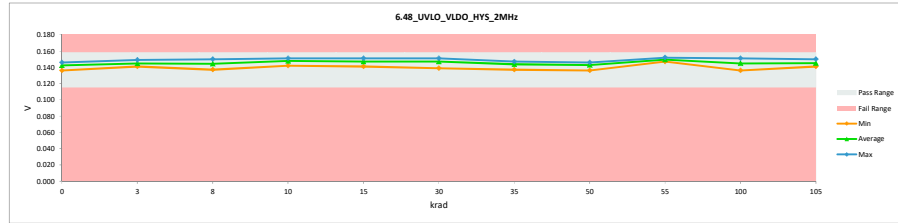
6.48_UVLO_VLDO_HYS_2MHz	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.158
Min Limit	0.115

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.138	0.136	-0.002
0	726	0.150	0.146	-0.004
0	791	0.147	0.145	-0.002
3	689	0.146	0.144	-0.002
3	688	0.150	0.147	-0.003
3	700	0.140	0.142	0.002
3	482	0.150	0.149	-0.001
3	1033	0.145	0.141	-0.002
8	442	0.150	0.149	-0.001
8	699	0.150	0.150	0.000
8	344	0.143	0.143	0.000
8	355	0.148	0.143	-0.005
8	790	0.137	0.137	0.000
10	537	0.144	0.146	0.002
10	396	0.148	0.150	0.002
10	521	0.153	0.151	-0.002
10	535	0.148	0.150	0.002
10	526	0.141	0.142	0.001
15	940	0.148	0.151	0.003
15	387	0.146	0.145	-0.001
15	787	0.146	0.149	0.003
15	1042	0.151	0.149	-0.002
15	483	0.145	0.141	-0.004
30	597	0.149	0.149	0.000
30	853	0.144	0.145	0.001
30	416	0.139	0.139	0.000
30	949	0.153	0.151	-0.002
30	221	0.145	0.151	0.006
35	538	0.140	0.137	-0.003
35	164	0.136	0.146	0.010
35	1018	0.145	0.143	-0.002
35	462	0.144	0.147	0.003
35	1032	0.151	0.146	-0.005
50	566	0.133	0.145	0.012
50	197	0.139	0.136	-0.003
50	793	0.148	0.146	-0.002
50	802	0.145	0.145	0.000
50	61	0.146	0.142	-0.004
55	795	0.138	0.151	0.013
55	921	0.151	0.151	0.000
55	741	0.144	0.152	0.008
55	809	0.150	0.147	-0.003
55	804	0.148	0.147	-0.001
100	449	0.150	0.136	-0.014
100	541	0.146	0.142	-0.004
100	476	0.147	0.146	-0.001
100	45	0.153	0.149	-0.004
100	642	0.151	0.151	0.000
105	1036	0.144	0.150	0.006
105	1038	0.152	0.143	-0.009
105	203	0.149	0.144	-0.005
105	1029	0.144	0.141	-0.003
105	1027	0.145	0.148	0.003
105	Max	0.153	0.152	0.013
105	Average	0.146	0.146	0.000
105	Min	0.133	0.136	-0.014
105	Std Dev	0.005	0.004	0.005



6.48_UVLO_VLDO_HYS_2MHz	
Test Site	
Tester	
Test Number	
Max Limit	0.158
Min Limit	0.115

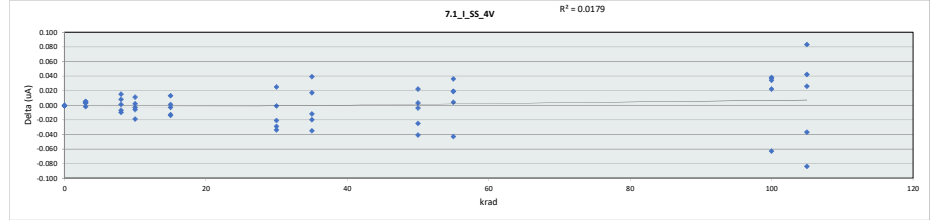
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
Min	0.136	0.141	0.137	0.142	0.141	0.139	0.137	0.136	0.147	0.136	0.141
Average	0.142	0.145	0.144	0.148	0.147	0.147	0.144	0.143	0.150	0.145	0.145
Max	0.146	0.149	0.150	0.151	0.151	0.147	0.146	0.152	0.151	0.150	0.150
UL	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158	0.158



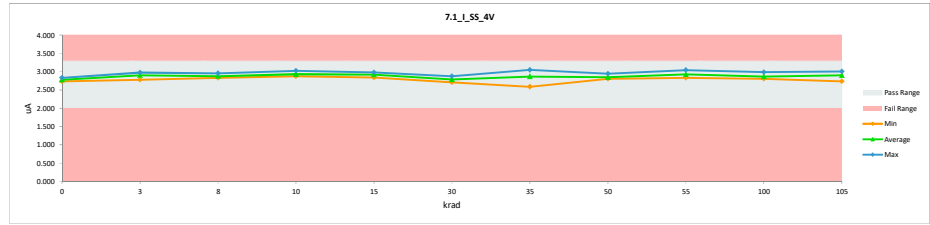
HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

7.1_I_SS_4V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	2.775	2.775	0.000
0	726	2.832	2.831	-0.001
0	791	2.735	2.734	-0.001
3	689	2.898	2.903	0.005
3	688	2.884	2.882	-0.002
3	700	2.973	2.976	0.003
3	482	2.952	2.955	0.003
3	1033	3.023	2.778	0.005
8	442	2.854	2.862	0.008
8	699	2.843	2.836	-0.007
8	344	2.966	2.956	-0.010
8	355	2.863	2.878	0.015
8	750	2.832	2.833	0.001
10	537	2.877	2.883	0.011
10	396	2.881	2.875	-0.006
10	521	2.894	2.875	-0.019
10	535	3.028	3.025	-0.003
10	526	2.992	2.994	0.002
15	940	2.907	2.893	-0.014
15	387	2.916	2.913	-0.003
15	787	2.957	2.958	0.001
15	1042	2.992	2.979	-0.013
15	483	2.826	2.839	0.013
30	597	2.804	2.783	-0.021
30	853	2.909	2.875	-0.034
30	416	2.728	2.753	0.025
30	949	2.737	2.708	-0.029
30	221	2.809	2.808	-0.001
35	538	2.953	2.970	0.017
35	164	2.607	2.587	-0.020
35	1018	3.006	3.045	0.039
35	462	2.787	2.775	-0.012
35	1032	3.004	2.969	-0.035
50	566	2.867	2.826	-0.041
50	197	2.860	2.835	-0.025
50	793	2.831	2.834	0.003
50	802	2.808	2.804	-0.004
50	61	2.920	2.942	0.022
55	795	2.840	2.844	0.004
55	921	2.995	2.952	-0.043
55	741	2.815	2.834	0.019
55	809	3.025	3.044	0.019
55	804	2.908	2.944	0.036
100	449	2.793	2.831	0.038
100	541	2.839	2.861	0.022
100	476	2.773	2.807	0.034
100	45	2.896	2.833	-0.063
100	642	2.949	2.986	0.037
105	1036	2.867	2.950	0.083
105	1038	2.980	2.896	-0.084
105	203	2.865	2.907	0.042
105	1029	2.773	2.736	-0.037
105	1027	2.977	3.003	0.026
105	Max	3.028	3.045	0.083
105	Average	2.875	2.875	0.000
105	Min	2.607	2.587	-0.084
105	Std Dev	0.089	0.092	0.028



7.1_I_SS_4V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010
Min	2.734	2.778	2.833	2.875	2.839	2.708	2.587	2.804	2.834	2.807	2.736
Average	2.700	2.899	2.873	2.930	2.916	2.785	2.869	2.848	2.924	2.864	2.898
Max	2.831	2.976	2.956	3.025	2.979	2.875	3.045	2.942	3.044	2.986	3.003
UL	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290

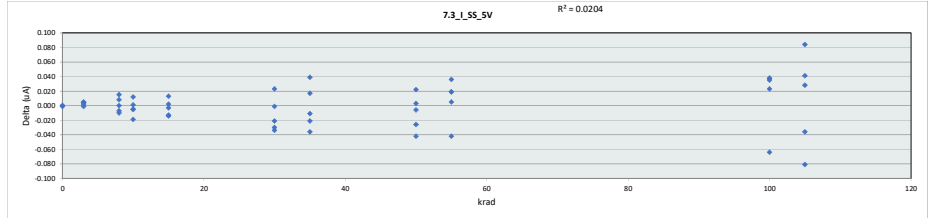


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

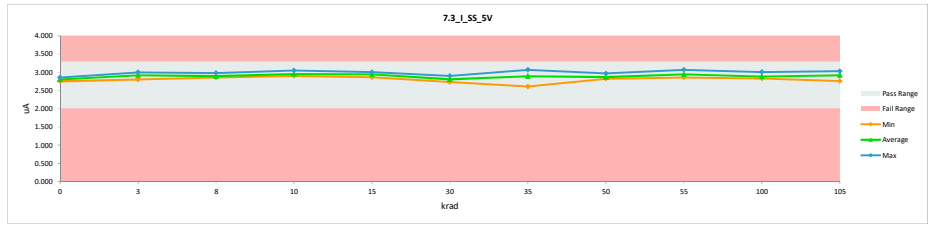
7.3_I_SS_SV	
Test Site	Tester
Test Number	
Unit	uA
Max Limit	3.29
Min Limit	2.01

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	2.797	2.797	0.000
0	726	2.855	2.855	0.000
0	791	2.756	2.755	-0.001
3	689	2.922	2.926	0.004
3	688	2.908	2.907	-0.001
3	700	2.997	2.999	0.002
3	482	2.976	2.980	0.004
3	1033	2.796	2.801	0.005
8	442	2.876	2.884	0.008
8	699	2.866	2.859	-0.007
8	344	2.989	2.979	-0.010
8	355	2.885	2.900	0.015
8	730	2.853	2.853	0.000
10	437	2.804	2.906	0.112
10	396	2.904	2.899	-0.005
10	521	2.917	2.898	-0.019
10	535	3.054	3.049	-0.005
10	526	3.017	3.018	0.001
15	940	2.931	2.917	-0.014
15	387	2.938	2.935	-0.003
15	787	2.982	2.984	0.002
15	1042	3.015	3.002	-0.013
15	483	2.849	2.862	0.013
30	597	2.825	2.804	-0.021
30	853	2.933	2.899	-0.034
30	416	2.751	2.774	0.023
30	949	2.760	2.730	-0.030
30	221	2.832	2.831	-0.001
35	538	2.977	2.994	0.017
35	164	2.628	2.607	-0.021
35	1018	3.030	3.069	0.039
35	462	2.808	2.797	-0.011
35	1032	3.029	2.993	-0.036
50	566	2.891	2.849	-0.042
50	197	2.882	2.856	-0.026
50	793	2.855	2.858	0.003
50	802	2.830	2.824	-0.006
50	61	2.944	2.966	0.022
55	795	2.861	2.866	0.005
55	921	3.018	2.976	-0.042
55	741	2.837	2.856	0.019
55	809	3.049	3.068	0.019
55	804	2.930	2.966	0.036
100	449	2.815	2.853	0.038
100	541	2.861	2.884	0.023
100	476	2.794	2.829	0.035
100	45	2.920	2.856	-0.064
100	642	2.972	3.009	0.037
105	1036	2.890	2.974	0.084
105	1038	3.003	2.922	-0.081
105	203	2.889	2.930	0.041
105	1029	2.795	2.759	-0.036
105	1027	3.001	3.029	0.028
105	Max	3.054	3.069	0.084
105	Average	2.898	2.898	0.000
105	Min	2.628	2.607	-0.081
105	Std Dev	0.090	0.093	0.028



7.3_I_SS_SV	
Test Site	Tester
Test Number	
Unit	uA
Max Limit	3.29
Min Limit	2.01

krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010
Min	2.755	2.801	2.853	2.898	2.862	2.730	2.607	2.824	2.856	2.829	2.759
Average	2.802	2.923	2.895	2.954	2.940	2.808	2.892	2.871	2.946	2.886	2.923
Max	2.855	2.999	2.979	3.049	3.002	2.899	3.069	2.966	3.068	3.009	3.029
UL	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290



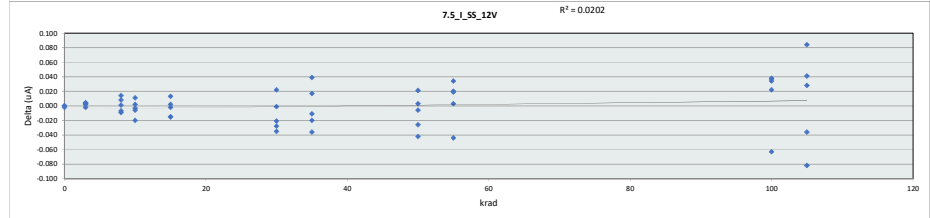


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

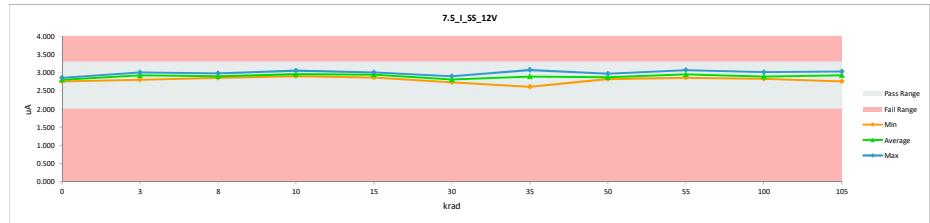
7.5_I_SS_12V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	3.29
Min Limit	2.01

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	2.797	2.797	0.000
0	726	2.855	2.855	0.000
0	791	2.757	2.755	-0.002
3	689	2.923	2.926	0.003
3	688	2.910	2.908	-0.002
3	700	2.999	3.001	0.002
3	482	2.977	2.981	0.004
3	1033	2.797	2.801	0.004
8	442	2.877	2.885	0.008
8	699	2.867	2.860	-0.007
8	344	2.989	2.980	-0.009
8	355	2.886	2.900	0.014
8	730	2.853	2.854	0.001
10	437	2.804	2.905	0.101
10	396	2.904	2.898	-0.006
10	521	2.918	2.898	-0.020
10	535	3.054	3.051	-0.003
10	526	3.018	3.020	0.002
15	940	2.932	2.917	-0.015
15	387	2.938	2.936	-0.002
15	787	2.984	2.986	0.002
15	1042	3.016	3.001	-0.015
15	483	2.850	2.863	0.013
30	597	2.825	2.804	-0.021
30	853	2.834	2.899	-0.035
30	416	2.751	2.773	0.022
30	949	2.760	2.732	-0.028
30	221	2.833	2.832	-0.001
35	538	2.976	2.993	0.017
35	164	2.628	2.608	-0.020
35	1018	3.030	3.069	0.039
35	462	2.808	2.797	-0.011
35	1032	3.030	2.994	-0.036
50	566	2.891	2.849	-0.042
50	197	2.883	2.857	-0.026
50	793	2.856	2.859	0.003
50	802	2.830	2.824	-0.006
50	61	2.944	2.965	0.021
55	795	2.863	2.866	0.003
55	921	3.020	2.976	-0.044
55	741	2.837	2.857	0.020
55	809	3.049	3.068	0.019
55	804	2.931	2.965	0.034
100	449	2.815	2.852	0.037
100	541	2.862	2.884	0.022
100	476	2.794	2.828	0.034
100	45	2.920	2.857	-0.063
100	642	2.972	3.010	0.038
105	1036	2.890	2.974	0.084
105	1038	3.004	2.922	-0.082
105	203	2.890	2.931	0.041
105	1029	2.796	2.760	-0.036
105	1027	3.001	3.029	0.028
105	Max	3.054	3.069	0.084
105	Average	2.898	2.898	0.000
105	Min	2.628	2.608	-0.082
105	Std Dev	0.090	0.093	0.028



7.5_I_SS_12V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	3.29
Min Limit	2.01

krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010
Min	2.755	2.801	2.854	2.898	2.863	2.732	2.608	2.824	2.857	2.828	2.760
Average	2.802	2.923	2.896	2.954	2.941	2.808	2.892	2.871	2.946	2.886	2.923
Max	2.855	3.001	2.980	3.051	3.001	2.899	3.069	2.965	3.068	3.010	3.029
UL	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290

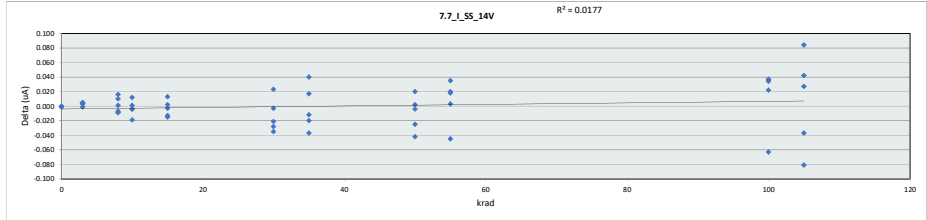


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

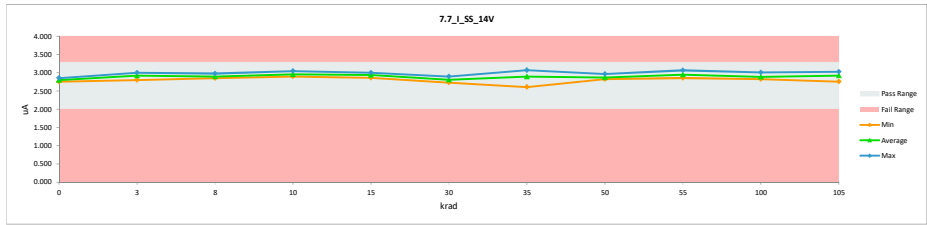
7.7_I_SS_14V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	3.29
Min Limit	2.01

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	2.798	2.797	-0.001
0	726	2.856	2.856	0.000
0	791	2.757	2.756	-0.001
3	689	2.922	2.926	0.004
3	688	2.909	2.908	-0.001
3	700	2.999	3.002	0.003
3	482	2.978	2.982	0.004
3	1033	2.796	2.801	0.005
8	442	2.876	2.886	0.010
8	699	2.866	2.859	-0.007
8	344	2.989	2.980	-0.009
8	355	2.886	2.902	0.016
8	730	2.853	2.854	0.001
10	537	2.906	2.905	-0.001
10	396	2.904	2.900	-0.004
10	521	2.918	2.899	-0.019
10	535	3.054	3.050	-0.004
10	526	3.018	3.019	0.001
15	940	2.933	2.918	-0.015
15	387	2.939	2.936	-0.003
15	787	2.984	2.986	0.002
15	1042	3.015	3.002	-0.013
15	483	2.851	2.864	0.013
30	597	2.825	2.804	-0.021
30	853	2.834	2.899	-0.035
30	416	2.752	2.775	0.023
30	949	2.760	2.732	-0.028
30	221	2.834	2.831	-0.003
35	538	2.976	2.993	0.017
35	164	2.629	2.609	-0.020
35	1018	3.030	3.070	0.040
35	462	2.808	2.796	-0.012
35	1032	3.031	2.994	-0.037
50	566	2.892	2.850	-0.042
50	197	2.883	2.858	-0.025
50	793	2.856	2.858	0.002
50	802	2.829	2.825	-0.004
50	61	2.946	2.966	0.020
55	795	2.864	2.867	0.003
55	921	3.021	2.976	-0.045
55	741	2.837	2.857	0.020
55	809	3.050	3.068	0.018
55	804	2.930	2.965	0.035
100	449	2.816	2.853	0.037
100	541	2.862	2.884	0.022
100	476	2.795	2.829	0.034
100	45	2.921	2.858	-0.063
100	642	2.973	3.009	0.036
105	1036	2.890	2.974	0.084
105	1038	3.004	2.923	-0.081
105	203	2.889	2.931	0.042
105	1029	2.797	2.760	-0.037
105	1027	3.027	3.029	0.022
105	Max	3.054	3.070	0.084
105	Average	2.899	2.899	0.000
105	Min	2.629	2.609	-0.081
105	Std Dev	0.090	0.093	0.028



7.7_I_SS_14V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	3.29
Min Limit	2.01

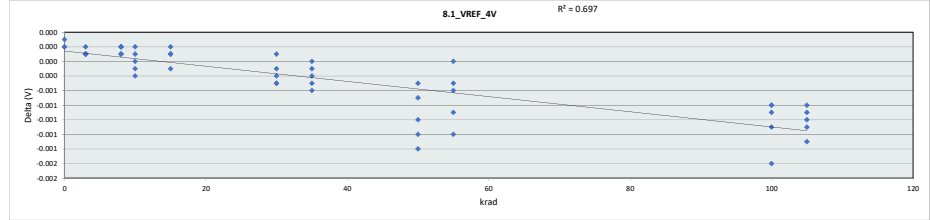
krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010	2.010
Min	2.756	2.801	2.854	2.899	2.864	2.732	2.609	2.825	2.857	2.829	2.760
Average	2.803	2.924	2.896	2.955	2.941	2.808	2.892	2.871	2.947	2.887	2.923
Max	2.856	3.002	2.980	3.050	3.002	2.899	3.070	2.966	3.068	3.009	3.029
UL	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290	3.290



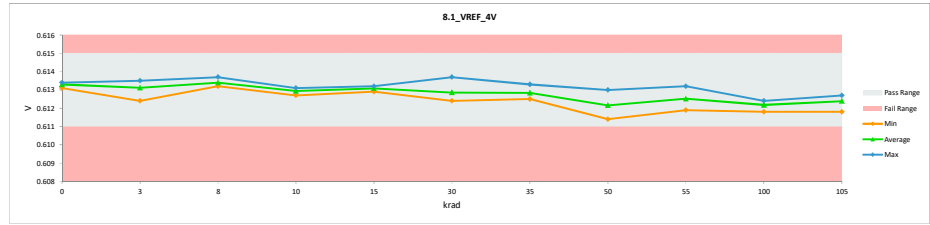
HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 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	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.613	0.613	0.000
0	726	0.613	0.613	0.000
0	791	0.613	0.613	0.000
3	689	0.614	0.613	0.000
3	688	0.613	0.613	0.000
3	700	0.612	0.612	0.000
3	482	0.613	0.613	0.000
3	1033	0.613	0.613	0.000
8	442	0.614	0.614	0.000
8	699	0.614	0.614	0.000
8	344	0.613	0.613	0.000
8	355	0.613	0.613	0.000
8	790	0.613	0.613	0.000
10	537	0.613	0.613	0.000
10	396	0.613	0.613	0.000
10	521	0.613	0.613	0.000
10	535	0.613	0.613	0.000
10	526	0.613	0.613	0.000
15	940	0.613	0.613	0.000
15	387	0.613	0.613	0.000
15	787	0.613	0.613	0.000
15	1042	0.613	0.613	0.000
15	483	0.613	0.613	0.000
30	597	0.614	0.614	0.000
30	853	0.613	0.613	0.000
30	416	0.613	0.612	0.000
30	949	0.613	0.613	0.000
30	221	0.613	0.613	0.000
35	538	0.613	0.613	0.000
35	164	0.614	0.613	0.000
35	1018	0.613	0.613	0.000
35	462	0.613	0.613	0.000
35	1032	0.613	0.613	-0.001
50	566	0.612	0.611	-0.001
50	197	0.613	0.612	-0.001
50	793	0.613	0.613	0.000
50	802	0.613	0.612	-0.001
50	61	0.614	0.613	-0.001
55	795	0.613	0.613	-0.001
55	921	0.613	0.612	-0.001
55	741	0.613	0.613	0.000
55	809	0.614	0.613	0.000
55	804	0.613	0.612	-0.001
100	449	0.613	0.612	-0.001
100	541	0.613	0.612	-0.001
100	476	0.613	0.612	-0.001
100	45	0.614	0.612	-0.002
100	642	0.613	0.612	-0.001
105	1036	0.613	0.612	-0.001
105	1038	0.614	0.613	-0.001
105	203	0.613	0.613	-0.001
105	1029	0.613	0.612	-0.001
105	1027	0.614	0.613	-0.001
	Max	0.614	0.614	0.000
	Average	0.613	0.613	0.000
	Min	0.612	0.611	-0.002
	Std Dev	0.000	0.001	0.000



		8.1_VREF_4V										
Test Site	Tester											
Test Number	Unit	V	V									
Max Limit		0.615	V									
Min Limit		0.611	V									
krad	0	3	8	10	15	30	35	50	55	100	105	
LL	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611
Min	0.613	0.612	0.613	0.613	0.613	0.612	0.613	0.611	0.612	0.612	0.612	0.612
Average	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.612	0.613	0.613	0.612	0.612
Max	0.613	0.614	0.614	0.613	0.613	0.614	0.613	0.613	0.613	0.613	0.612	0.613
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615

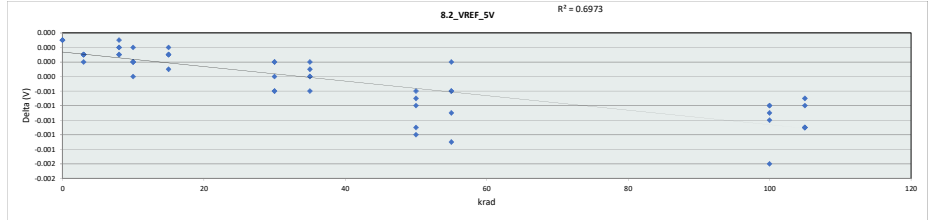


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

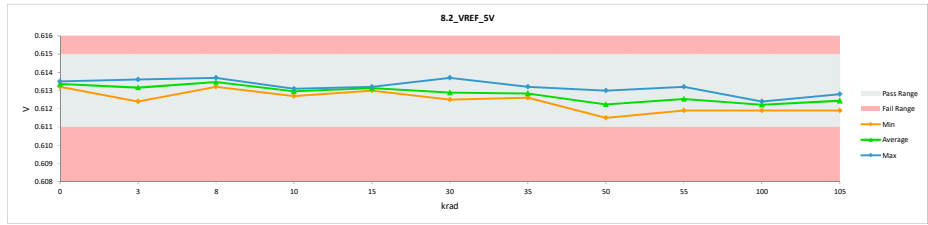
8.2_VREF_SV	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.615
Min Limit	0.611

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.613	0.613	0.000
0	726	0.613	0.613	0.000
0	791	0.613	0.613	0.000
3	689	0.614	0.614	0.000
3	688	0.614	0.613	0.000
3	700	0.613	0.612	0.000
3	482	0.613	0.613	0.000
3	1033	0.613	0.613	0.000
8	442	0.614	0.614	0.000
8	699	0.614	0.614	0.000
8	344	0.613	0.613	0.000
8	355	0.613	0.613	0.000
8	790	0.613	0.613	0.000
10	537	0.613	0.613	0.000
10	396	0.613	0.613	0.000
10	521	0.613	0.613	0.000
10	535	0.613	0.613	0.000
10	526	0.613	0.613	0.000
15	940	0.613	0.613	0.000
15	387	0.613	0.613	0.000
15	787	0.613	0.613	0.000
15	1042	0.613	0.613	0.000
15	483	0.613	0.613	0.000
30	597	0.614	0.614	0.000
30	853	0.613	0.613	-0.001
30	416	0.613	0.613	0.000
30	949	0.614	0.613	0.000
30	221	0.613	0.613	-0.001
35	538	0.613	0.613	0.000
35	164	0.614	0.613	0.000
35	1018	0.613	0.613	0.000
35	462	0.613	0.613	0.000
35	1032	0.613	0.613	-0.001
50	566	0.612	0.612	-0.001
50	197	0.613	0.612	-0.001
50	793	0.613	0.613	-0.001
50	802	0.613	0.612	-0.001
50	61	0.614	0.613	-0.001
55	795	0.613	0.613	-0.001
55	921	0.614	0.612	-0.001
55	741	0.613	0.613	0.000
55	809	0.614	0.613	-0.001
55	804	0.613	0.612	-0.001
100	449	0.613	0.612	-0.001
100	541	0.613	0.612	-0.001
100	476	0.613	0.612	-0.001
100	45	0.614	0.612	-0.002
100	642	0.613	0.612	-0.001
105	1036	0.613	0.613	-0.001
105	1038	0.614	0.613	-0.001
105	203	0.614	0.613	-0.001
105	1029	0.613	0.612	-0.001
105	1027	0.614	0.613	-0.001
105	Max	0.614	0.614	0.000
105	Average	0.613	0.613	0.000
105	Min	0.612	0.612	-0.002
105	Std Dev	0.000	0.001	0.000



8.2_VREF_SV	
Test Site	
Tester	
Test Number	
Max Limit	0.615
Min Limit	0.611

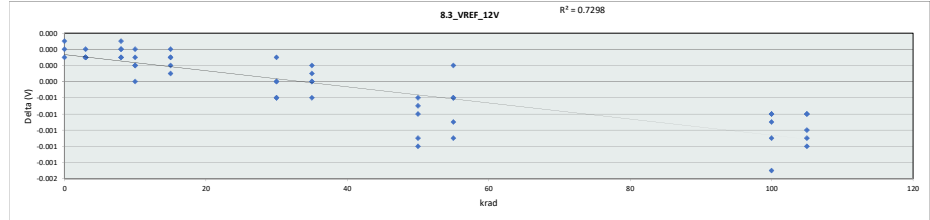
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611
Min	0.613	0.612	0.613	0.613	0.613	0.613	0.613	0.612	0.612	0.612	0.612
Average	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.612	0.613	0.612	0.612
Max	0.614	0.614	0.614	0.613	0.613	0.614	0.613	0.613	0.613	0.613	0.613
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615



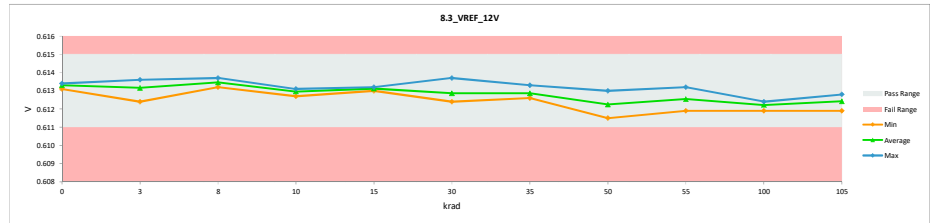
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

		8.3_VREF_12V		
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.613	0.613	0.000
0	726	0.613	0.613	0.000
0	791	0.613	0.613	0.000
3	689	0.614	0.614	0.000
3	688	0.613	0.613	0.000
3	700	0.612	0.612	0.000
3	482	0.613	0.613	0.000
3	1033	0.613	0.613	0.000
8	442	0.614	0.614	0.000
8	699	0.614	0.614	0.000
8	344	0.613	0.613	0.000
8	355	0.613	0.613	0.000
8	790	0.613	0.613	0.000
10	537	0.613	0.613	0.000
10	396	0.613	0.613	0.000
10	521	0.613	0.613	0.000
10	535	0.613	0.613	0.000
10	526	0.613	0.613	0.000
15	940	0.613	0.613	0.000
15	387	0.613	0.613	0.000
15	787	0.613	0.613	0.000
15	1042	0.613	0.613	0.000
15	483	0.613	0.613	0.000
30	597	0.614	0.614	0.000
30	853	0.613	0.613	-0.001
30	416	0.613	0.612	0.000
30	949	0.614	0.613	0.000
30	221	0.613	0.613	-0.001
35	538	0.613	0.613	0.000
35	164	0.614	0.613	0.000
35	1018	0.613	0.613	0.000
35	462	0.613	0.613	0.000
35	1032	0.613	0.613	-0.001
50	566	0.612	0.612	-0.001
50	197	0.613	0.612	-0.001
50	793	0.613	0.613	-0.001
50	802	0.613	0.612	-0.001
50	61	0.614	0.613	-0.001
55	795	0.613	0.613	-0.001
55	921	0.613	0.612	-0.001
55	741	0.613	0.613	0.000
55	809	0.614	0.613	-0.001
55	804	0.613	0.612	-0.001
100	449	0.613	0.612	-0.001
100	541	0.613	0.612	-0.001
100	476	0.613	0.612	-0.001
100	45	0.614	0.612	-0.002
100	642	0.613	0.612	-0.001
105	1036	0.613	0.612	-0.001
105	1038	0.614	0.613	-0.001
105	203	0.613	0.613	-0.001
105	1029	0.613	0.612	-0.001
105	1027	0.614	0.613	-0.001
	Max	0.614	0.614	0.000
	Average	0.613	0.613	0.000
	Min	0.612	0.612	-0.002
	Std Dev	0.000	0.001	0.000



		8.3_VREF_12V										
krad	0	3	8	10	15	30	35	50	55	100	105	
LL	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	
Min	0.613	0.612	0.613	0.613	0.613	0.612	0.613	0.612	0.612	0.612	0.612	
Average	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.612	0.613	0.612	0.612	
Max	0.613	0.614	0.614	0.613	0.613	0.614	0.613	0.614	0.613	0.613	0.612	
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	

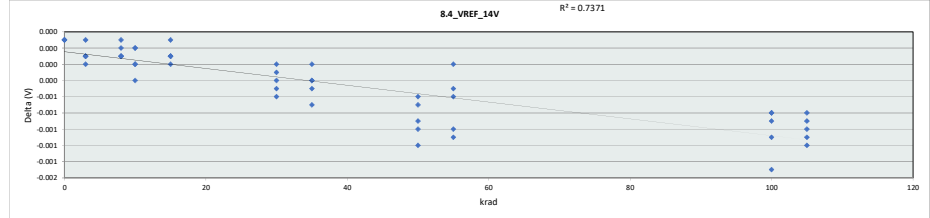


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

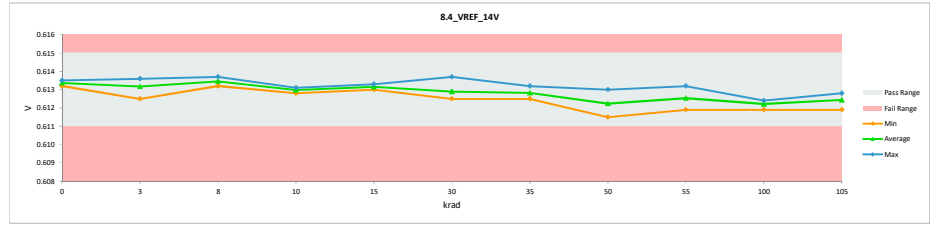
8.4_VREF_14V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
0.615	0.615
0.611	0.611

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.613	0.613	0.000
0	726	0.613	0.613	0.000
0	791	0.613	0.613	0.000
3	689	0.614	0.614	0.000
3	688	0.614	0.613	0.000
3	700	0.612	0.613	0.000
3	482	0.613	0.613	0.000
3	1033	0.613	0.613	0.000
8	442	0.614	0.614	0.000
8	699	0.614	0.614	0.000
8	344	0.613	0.613	0.000
8	355	0.613	0.613	0.000
8	790	0.613	0.613	0.000
10	537	0.613	0.613	0.000
10	396	0.613	0.613	0.000
10	521	0.613	0.613	0.000
10	535	0.613	0.613	0.000
10	526	0.613	0.613	0.000
15	940	0.613	0.613	0.000
15	387	0.613	0.613	0.000
15	787	0.613	0.613	0.000
15	1042	0.613	0.613	0.000
15	483	0.613	0.613	0.000
30	597	0.614	0.614	0.000
30	853	0.613	0.613	-0.001
30	416	0.613	0.613	0.000
30	949	0.614	0.613	0.000
30	221	0.613	0.613	0.000
35	538	0.613	0.613	0.000
35	164	0.614	0.613	0.000
35	1018	0.613	0.613	0.000
35	462	0.613	0.613	0.000
35	1032	0.613	0.613	-0.001
50	566	0.612	0.612	-0.001
50	197	0.613	0.612	-0.001
50	793	0.613	0.613	-0.001
50	802	0.613	0.612	-0.001
50	61	0.614	0.613	-0.001
55	795	0.613	0.613	-0.001
55	921	0.613	0.612	-0.001
55	741	0.613	0.613	0.000
55	809	0.614	0.613	0.000
55	804	0.613	0.612	-0.001
100	449	0.613	0.612	-0.001
100	541	0.613	0.612	-0.001
100	476	0.613	0.612	-0.001
100	45	0.614	0.612	-0.002
100	642	0.613	0.612	-0.001
105	1036	0.613	0.612	-0.001
105	1038	0.614	0.613	-0.001
105	203	0.614	0.613	-0.001
105	1029	0.613	0.612	-0.001
105	1027	0.614	0.613	-0.001
105	Max	0.614	0.614	0.000
105	Average	0.613	0.613	0.000
105	Min	0.612	0.612	-0.002
105	Std Dev	0.000	0.001	0.000



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611
Min	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.612	0.612	0.612	0.612
Average	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.612	0.613	0.612	0.612
Max	0.614	0.614	0.614	0.613	0.613	0.614	0.613	0.613	0.613	0.612	0.613
UL	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615

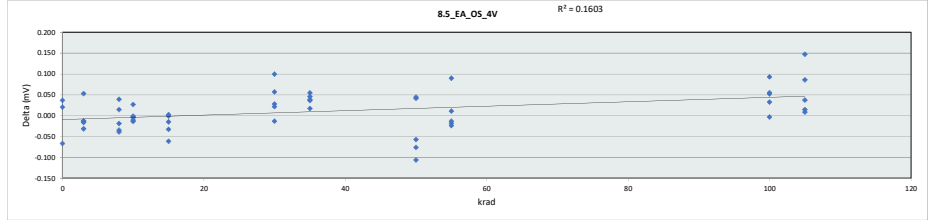


HDR TID Report  
TPS7H5004-SP QMLP

krad (SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

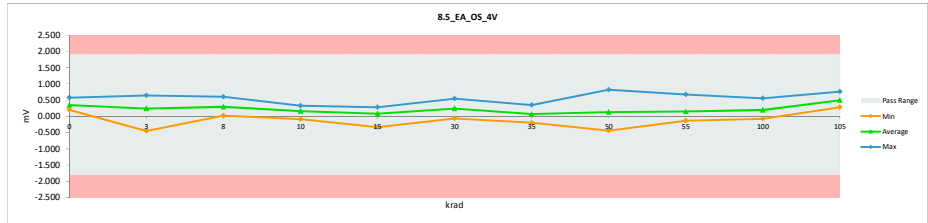
8.5_EA_OS_4V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	1.9
Min Limit	-1.8

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	0.324	0.257	-0.067
0	726	0.556	0.577	0.020
0	791	0.165	0.201	0.037
3	689	0.591	0.644	0.053
3	688	0.458	0.445	-0.013
3	700	-0.435	-0.451	-0.016
3	482	0.407	0.376	-0.032
3	1033	0.036	0.191	-0.014
8	442	0.452	0.417	-0.035
8	699	0.585	0.599	0.015
8	344	0.224	0.263	0.039
8	355	0.061	0.022	-0.039
8	790	0.177	0.158	-0.019
10	537	-0.084	-0.089	-0.005
10	396	0.139	0.166	0.027
10	521	0.336	0.325	-0.011
10	535	0.149	0.147	-0.002
10	526	0.284	0.269	-0.014
15	940	-0.319	-0.334	-0.015
15	387	0.197	0.135	-0.062
15	787	0.083	0.050	-0.033
15	1042	0.278	0.277	-0.001
15	483	0.257	0.259	0.002
30	597	0.524	0.545	0.022
30	853	0.225	0.212	-0.014
30	416	-0.119	-0.062	0.057
30	949	0.177	0.205	0.028
30	221	0.222	0.321	0.099
35	538	0.011	0.050	0.038
35	164	0.304	0.349	0.046
35	1018	-0.236	-0.200	0.036
35	462	0.050	0.104	0.054
35	1032	0.026	0.043	0.017
50	566	-0.483	-0.442	0.042
50	197	0.432	0.355	-0.077
50	793	-0.006	0.038	0.044
50	802	-0.002	-0.108	-0.107
50	61	0.877	0.819	-0.058
55	795	-0.226	-0.137	0.090
55	921	0.205	0.186	-0.019
55	741	0.135	0.122	-0.014
55	809	0.663	0.674	0.011
55	804	-0.075	-0.100	-0.024
100	449	-0.166	-0.073	0.093
100	541	0.206	0.257	0.052
100	476	-0.060	-0.028	0.032
100	45	0.560	0.557	-0.003
100	642	0.212	0.266	0.055
105	1036	0.196	0.282	0.086
105	1038	0.747	0.761	0.014
105	203	0.449	0.486	0.037
105	1029	0.273	0.281	0.008
105	1027	0.505	0.652	0.147
105	Max	0.877	0.819	0.147
	Average	0.202	0.214	0.011
	Min	-0.483	-0.451	-0.107
	Std Dev	0.287	0.285	0.047



8.5_EA_OS_4V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	1.9
Min Limit	-1.8

krad	0	3	8	10	15	30	35	50	55	100	105
LL	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800
Min	0.201	-0.451	0.022	-0.089	-0.334	-0.062	-0.200	-0.442	-0.137	-0.074	0.281
Average	0.345	0.241	0.232	0.164	0.077	0.244	0.069	0.133	0.149	0.196	0.493
Max	0.577	0.644	0.599	0.325	0.277	0.545	0.349	0.819	0.674	0.557	0.761
UL	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900

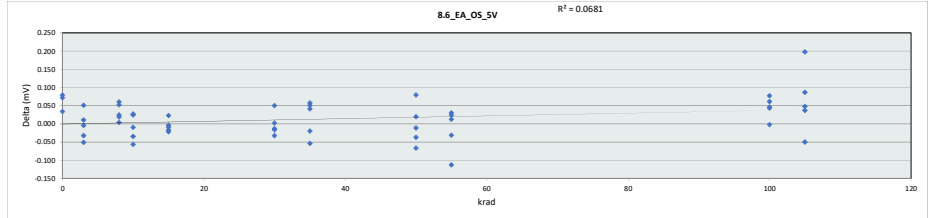


HDR TID Report  
TPS7H5004-SP QMLP

krad (SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

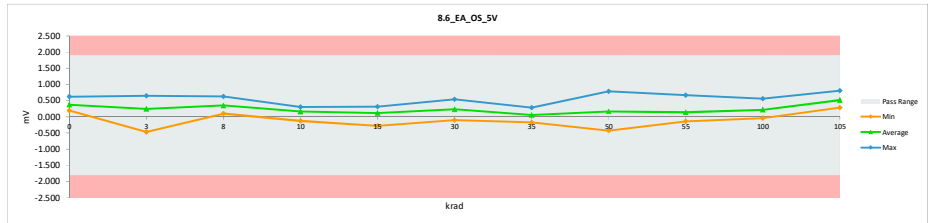
8.6_EA_OS_5V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	1.9
Min Limit	-1.8

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.242	0.314	0.072
0	726	0.546	0.625	0.079
0	791	0.159	0.193	0.034
3	689	0.639	0.650	0.010
3	688	0.460	0.409	-0.051
3	700	-0.435	-0.468	-0.033
3	482	0.429	0.424	-0.005
3	1033	0.068	0.214	0.051
8	442	0.504	0.508	0.004
8	699	0.576	0.627	0.052
8	344	0.284	0.303	0.019
8	355	0.079	0.104	0.024
8	790	0.145	0.205	0.060
10	537	-0.068	-0.125	-0.057
10	396	0.127	0.154	0.027
10	521	0.339	0.304	-0.035
10	535	0.205	0.195	-0.010
10	526	0.264	0.288	0.024
15	940	-0.262	-0.279	-0.017
15	387	0.189	0.179	-0.010
15	787	0.070	0.093	0.023
15	1042	0.277	0.273	-0.004
15	483	0.334	0.313	-0.022
30	597	0.573	0.540	-0.033
30	853	0.220	0.222	0.002
30	416	-0.152	-0.102	0.050
30	949	0.227	0.211	-0.016
30	221	0.304	0.291	-0.014
35	538	-0.009	0.032	0.041
35	164	0.338	0.284	-0.054
35	1018	-0.230	-0.172	0.057
35	462	0.049	0.100	0.051
35	1032	0.064	0.044	-0.020
50	566	-0.505	-0.426	0.079
50	197	0.435	0.423	-0.011
50	793	0.044	0.064	0.020
50	802	0.026	-0.011	-0.037
50	61	0.854	0.787	-0.067
55	795	-0.164	-0.140	0.024
55	921	0.227	0.114	-0.113
55	741	0.155	0.185	0.030
55	809	0.702	0.671	-0.031
55	804	-0.124	-0.112	0.012
100	449	-0.101	-0.040	0.061
100	541	0.213	0.290	0.077
100	476	-0.057	-0.013	0.043
100	45	0.563	0.561	-0.002
100	642	0.248	0.294	0.046
105	1036	0.239	0.287	0.048
105	1038	0.772	0.809	0.037
105	203	0.521	0.470	-0.050
105	1029	0.253	0.340	0.087
105	1027	0.488	0.685	0.198
105	Max	0.854	0.809	0.198
105	Average	0.216	0.230	0.014
105	Min	-0.505	-0.468	-0.113
105	Std Dev	0.289	0.286	0.050



8.6_EA_OS_5V	
Test Site	
Tester	
Test Number	
Max Limit	1.9
Min Limit	-1.8

krad	0	3	8	10	15	30	35	50	55	100	105
LL	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800
Min	0.193	-0.468	0.104	-0.125	-0.279	-0.102	-0.173	-0.426	-0.140	-0.040	0.287
Average	0.377	0.246	0.349	0.163	0.116	0.232	0.057	0.167	0.144	0.218	0.518
Max	0.625	0.650	0.628	0.304	0.313	0.541	0.284	0.787	0.671	0.561	0.809
UL	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900



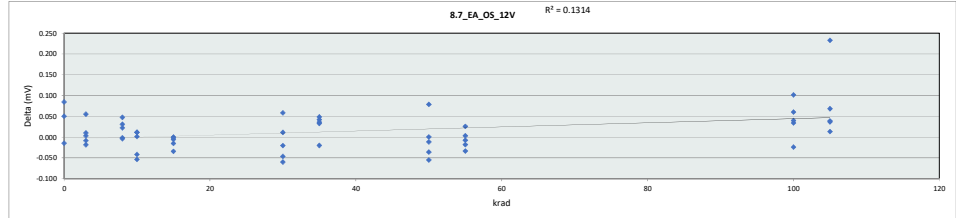


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

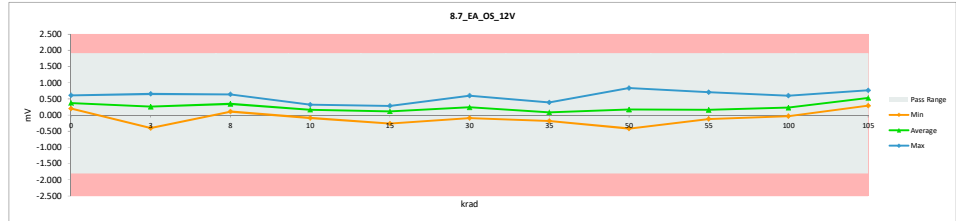
8.7_EA_OS_12V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	1.9
Min Limit	-1.8

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	0.255	0.304	0.050
0	726	0.626	0.611	-0.015
0	791	0.116	0.200	0.084
3	689	0.645	0.655	0.010
3	688	0.449	0.430	-0.019
3	700	-0.459	-0.404	0.055
3	482	0.423	0.425	0.003
3	1033	-0.220	0.194	-0.009
8	442	0.500	0.496	-0.004
8	699	0.593	0.640	0.047
8	344	0.280	0.278	-0.002
8	355	0.078	0.109	0.031
8	790	0.186	0.208	0.022
10	537	-0.099	-0.087	0.012
10	396	0.131	0.142	0.011
10	521	0.365	0.323	-0.042
10	535	0.218	0.219	0.001
10	526	0.297	0.243	-0.054
15	940	-0.262	-0.264	-0.002
15	387	0.200	0.185	-0.016
15	787	0.074	0.074	0.000
15	1042	0.282	0.276	-0.006
15	483	0.319	0.285	-0.035
30	597	0.543	0.601	0.058
30	853	0.244	0.223	-0.021
30	416	-0.102	-0.091	0.011
30	949	0.243	0.183	-0.060
30	221	0.326	0.279	-0.046
35	538	0.011	0.053	0.042
35	164	0.343	0.391	0.048
35	1018	-0.220	-0.184	0.036
35	462	0.073	0.106	0.033
35	1032	0.067	0.047	-0.020
50	566	-0.494	-0.415	0.078
50	197	0.437	0.425	-0.012
50	793	0.061	0.006	-0.055
50	802	0.008	0.008	0.000
50	61	0.870	0.834	-0.036
55	795	-0.149	-0.123	0.026
55	921	0.188	0.169	-0.018
55	741	0.158	0.124	-0.034
55	809	0.715	0.707	-0.008
55	804	-0.073	-0.070	0.003
100	449	-0.093	-0.033	0.060
100	541	0.198	0.299	0.101
100	476	-0.051	-0.017	0.034
100	45	0.622	0.598	-0.024
100	642	0.256	0.256	0.000
105	1036	0.250	0.289	0.039
105	1038	0.753	0.766	0.013
105	203	0.521	0.558	0.036
105	1029	0.288	0.356	0.068
105	1027	0.454	0.687	0.233
105	Max	0.870	0.834	0.233
105	Average	0.224	0.238	0.014
105	Min	-0.494	-0.415	-0.060
105	Std Dev	0.290	0.286	0.048



8.7_EA_OS_12V	
Test Site	
Tester	
Test Number	
Unit	mV
Max Limit	1.9
Min Limit	-1.8

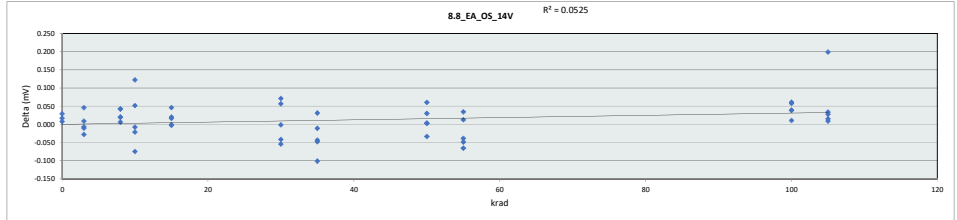
krad	0	3	8	10	15	30	35	50	55	100	105
LL	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800
Min	0.200	-0.404	0.109	-0.087	-0.265	-0.091	-0.184	-0.415	-0.123	-0.033	0.289
Average	0.372	0.260	0.346	0.168	0.111	0.239	0.082	0.172	0.161	0.229	0.531
Max	0.611	0.655	0.640	0.323	0.285	0.601	0.391	0.834	0.707	0.598	0.766
UL	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900



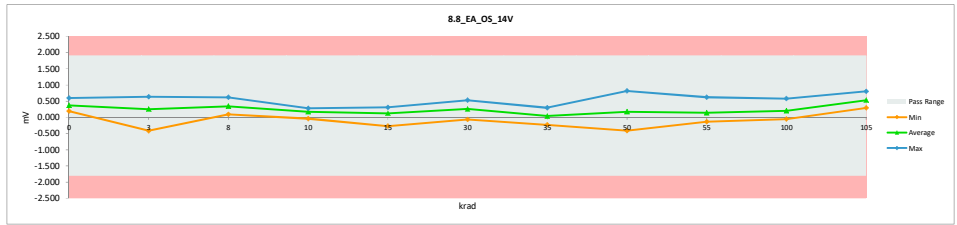
HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

8.8_EA_OS_14V				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	1.9	1.9		
Min Limit	-1.8	-1.8		
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.313	0.320	0.007
0	726	0.568	0.596	0.029
0	791	0.177	0.194	0.017
3	689	0.630	0.639	0.009
3	688	0.464	0.456	-0.007
3	700	-0.460	-0.414	0.046
3	482	0.421	0.410	-0.011
3	1033	0.202	0.174	-0.028
8	442	0.471	0.490	0.020
8	699	0.578	0.621	0.043
8	344	0.297	0.303	0.006
8	355	0.072	0.091	0.019
8	790	0.169	0.210	0.042
10	537	-0.092	-0.040	0.051
10	396	0.076	0.198	0.122
10	521	0.353	0.279	-0.075
10	535	0.205	0.197	-0.008
10	526	0.270	0.249	-0.022
15	940	-0.268	-0.271	-0.003
15	387	0.191	0.207	0.016
15	787	0.076	0.096	0.020
15	1042	0.244	0.290	0.046
15	483	0.309	0.308	-0.001
30	597	0.584	0.530	-0.054
30	853	0.267	0.225	-0.042
30	416	-0.136	-0.065	0.071
30	949	0.254	0.252	-0.002
30	221	0.299	0.355	0.056
35	538	0.043	0.032	-0.011
35	164	0.344	0.296	-0.048
35	1018	-0.184	-0.228	-0.044
35	462	0.051	0.082	0.031
35	1032	0.129	0.028	-0.101
50	566	-0.473	-0.413	0.060
50	197	0.384	0.414	0.030
50	793	0.056	0.058	0.003
50	802	0.008	0.012	0.003
50	61	0.852	0.818	-0.033
55	795	-0.169	-0.135	0.034
55	921	0.212	0.163	-0.049
55	741	0.152	0.113	-0.039
55	809	0.690	0.624	-0.066
55	804	-0.060	-0.048	0.012
100	449	-0.109	-0.052	0.057
100	541	0.174	0.234	0.061
100	476	-0.050	-0.012	0.038
100	45	0.567	0.578	0.010
100	642	0.246	0.285	0.039
105	1036	0.284	0.293	0.009
105	1038	0.788	0.803	0.015
105	203	0.534	0.567	0.034
105	1029	0.291	0.319	0.028
105	1027	0.468	0.667	0.198
105	Max	0.852	0.818	0.198
Average		0.222	0.234	0.012
Min		-0.473	-0.414	-0.101
Std Dev		0.285	0.280	0.049



8.8_EA_OS_14V											
Test Site											
Tester											
Test Number											
Unit	mV										
Max Limit	1.9										
Min Limit	-1.8										
krad	0	3	8	10	15	30	35	50	55	100	105
LL	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800	-1.800
Min	0.194	-0.414	0.091	-0.040	-0.271	-0.065	-0.228	-0.413	-0.135	-0.052	0.293
Average	0.370	0.253	0.343	0.176	0.126	0.260	0.042	0.178	0.143	0.207	0.530
Max	0.596	0.639	0.621	0.279	0.308	0.530	0.296	0.818	0.624	0.578	0.803
UL	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900

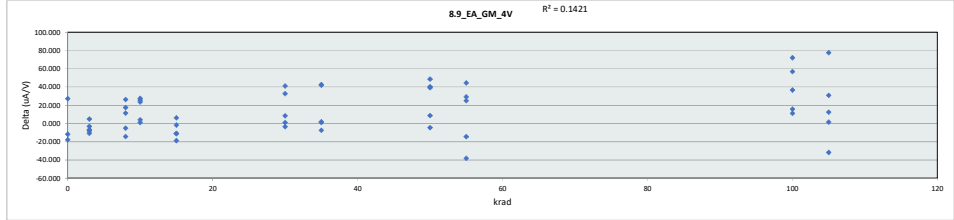


HDR TID Report  
TPS7H5004-SP QMLP

kRad (SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

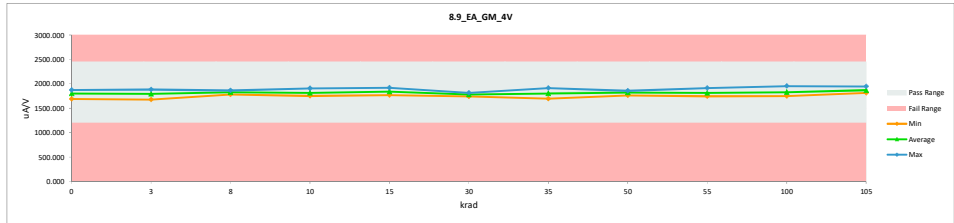
8.9_EA_GM_4V	
Test Site	
Tester	
Test Number	
Unit	uA/V
Max Limit	2450
Min Limit	1200

kRad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1845.059	1872.123	27.064
0	726	1853.109	1841.222	-11.887
0	791	1706.606	1688.656	-17.950
3	689	1893.185	1882.415	-10.770
3	688	1828.510	1821.601	-6.909
3	700	1802.316	1799.030	-3.286
3	482	1807.179	1799.049	-8.130
3	1033	1672.770	1677.436	4.766
8	442	1755.306	1781.437	26.131
8	699	1817.221	1828.410	11.189
8	344	1857.345	1842.820	-14.525
8	355	1869.994	1864.695	-5.299
8	750	1802.722	1820.930	17.308
10	537	1760.704	1784.174	23.470
10	396	1726.753	1752.318	25.565
10	521	1801.764	1802.626	0.862
10	535	1880.495	1907.900	27.405
10	526	1822.838	1826.618	3.780
15	940	1887.116	1893.185	6.069
15	387	1822.858	1820.978	-1.880
15	787	1936.786	1917.845	-18.941
15	1042	1822.848	1811.638	-11.210
15	483	1779.217	1768.107	-11.110
30	597	1731.708	1740.023	8.315
30	853	1766.562	1762.822	-3.740
30	416	1773.434	1814.410	40.976
30	949	1803.856	1804.681	0.825
30	221	1741.956	1774.503	32.547
35	538	1822.848	1864.684	41.836
35	164	1691.900	1692.839	0.939
35	1018	1869.140	1911.618	42.478
35	462	1767.586	1769.170	1.584
35	1032	1781.030	1773.434	-7.596
50	566	1812.568	1821.106	8.538
50	197	1767.567	1762.822	-4.745
50	793	1799.677	1838.659	38.982
50	802	1789.608	1829.766	40.158
50	61	1806.877	1855.394	48.517
55	795	1782.213	1743.830	-38.383
55	921	1780.586	1765.958	-14.628
55	741	1752.327	1796.699	44.372
55	809	1882.584	1911.628	29.044
55	804	1827.892	1852.751	24.859
100	449	1741.956	1757.549	15.593
100	541	1725.785	1782.535	56.750
100	476	1711.568	1748.064	36.496
100	45	1898.186	1909.159	10.973
100	642	1881.086	1953.065	71.979
105	1036	1868.152	1945.579	77.427
105	1038	1869.140	1870.474	1.334
105	203	1850.350	1881.086	30.736
105	1029	1844.552	1812.744	-31.808
105	1027	1826.241	1838.508	12.267
105		1936.786	1953.065	77.427
	Max			
	Average	1806.067	1818.677	12.610
	Min	1672.670	1677.436	-38.383
	Std Dev	58.394	63.052	24.936



8.9_EA_GM_4V	
Test Site	
Tester	
Test Number	
Max Limit	2450 uA/V
Min Limit	1200 uA/V

kRad	0	3	8	10	15	30	35	50	55	100	105
LL	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000
Min	1688.656	1677.436	1781.437	1752.318	1768.107	1740.023	1692.839	1762.822	1743.830	1748.064	1812.744
Average	1800.667	1795.906	1827.478	1814.727	1842.351	1779.288	1802.349	1821.549	1814.173	1830.074	1869.678
Max	1872.123	1882.415	1864.695	1907.900	1917.845	1814.410	1911.618	1855.394	1911.628	1953.065	1945.579
UL	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000

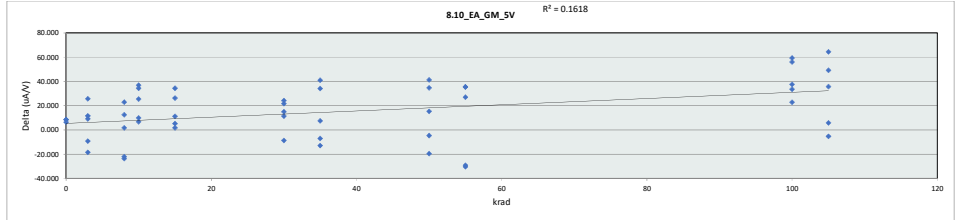


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

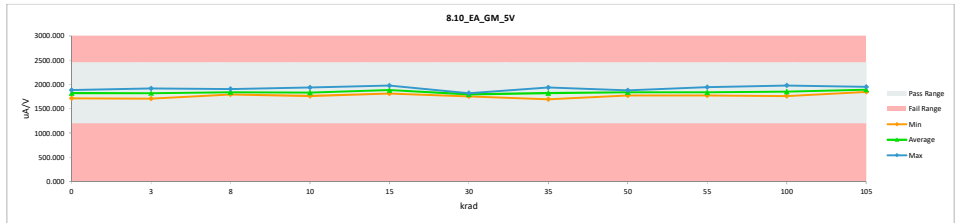
8.10_EA_GM_SV	
Test Site	
Tester	
Test Number	
Unit	uA/V
Max Limit	2450
Min Limit	1200

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	1874.497	1883.092	8.595
0	726	1863.235	1871.528	8.293
0	791	1708.083	1714.480	6.397
3	689	1905.441	1916.936	11.495
3	688	1846.674	1837.391	-9.283
3	700	1819.112	1800.546	-18.566
3	482	1825.158	1834.217	9.059
3	1033	1682.686	1707.822	25.136
8	442	1783.520	1795.968	12.448
8	699	1839.294	1817.221	-22.073
8	344	1881.086	1857.356	-23.730
8	355	1883.937	1906.816	22.879
8	730	1823.987	1825.884	1.897
10	537	1763.382	1806.070	42.688
10	396	1737.401	1762.813	25.412
10	521	1807.938	1816.616	8.678
10	535	1901.338	1935.624	34.286
10	526	1834.207	1844.045	9.838
15	540	1905.441	1910.584	5.143
15	387	1834.909	1869.140	34.231
15	787	1949.604	1975.778	26.174
15	1042	1841.667	1843.367	1.700
15	483	1800.536	1811.628	11.092
30	597	1742.463	1753.811	11.348
30	853	1878.549	1778.793	-9.756
30	416	1800.546	1822.155	21.609
30	949	1805.069	1820.040	14.971
30	221	1784.184	1808.289	24.105
35	538	1837.642	1878.527	40.885
35	164	1707.952	1694.942	-13.010
35	1018	1902.686	1936.775	34.089
35	462	1804.962	1797.816	-7.146
35	1032	1800.536	1807.919	7.383
50	566	1863.224	1843.589	-19.635
50	197	1778.189	1773.434	-4.755
50	793	1822.848	1864.083	41.235
50	802	1828.510	1843.762	15.252
50	61	1844.735	1879.379	34.644
55	795	1802.606	1773.434	-29.172
55	921	1815.362	1784.953	-30.409
55	741	1768.107	1795.055	26.948
55	809	1908.530	1943.877	35.347
55	804	1845.699	1881.086	35.387
100	449	1757.540	1795.065	37.525
100	541	1744.882	1804.176	59.294
100	476	1726.646	1760.168	33.522
100	45	1899.282	1922.020	22.738
100	642	1924.125	1980.068	55.943
105	1036	1885.271	1949.604	64.333
105	1038	1869.140	1904.749	35.609
105	203	1869.974	1919.107	49.133
105	1029	1839.930	1845.709	5.779
105	1027	1851.504	1846.115	-5.389
105	Max	1949.604	1980.068	64.333
105	Average	1825.250	1840.589	15.339
105	Min	1682.230	1694.942	-30.409
105	Std Dev	59.649	66.173	22.693



8.10_EA_GM_SV	
Test Site	
Tester	
Test Number	
Max Limit	2450 uA/V
Min Limit	1200 uA/V

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000
Min	1714.480	1707.822	1795.968	1762.813	1811.628	1753.811	1694.942	1773.434	1773.434	1760.168	1845.709
Average	1823.033	1819.382	1840.609	1832.634	1882.099	1796.618	1823.196	1840.849	1835.681	1852.299	1893.057
Max	1883.092	1916.936	1906.816	1935.624	1975.778	1936.775	1879.379	1943.877	1980.068	1949.604	
UL	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000

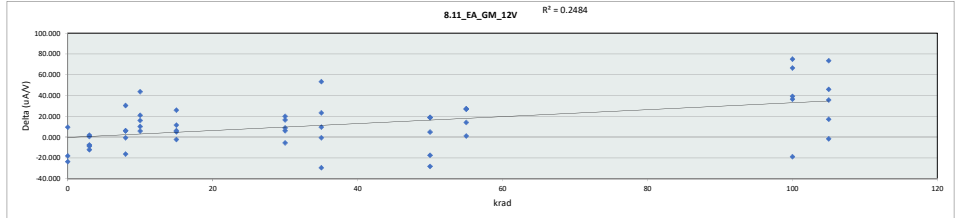


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

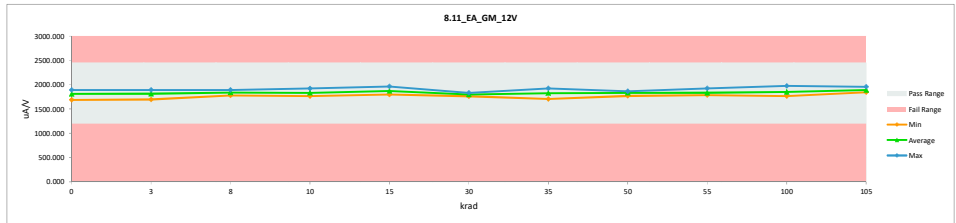
8.11_EA_GM_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
2450	1200
2450	1200

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1881.086	1890.433	9.347
0	726	1873.900	1850.207	-23.693
0	791	1706.858	1688.656	-18.202
3	689	1905.441	1893.185	-12.256
3	688	1842.982	1834.207	-8.775
3	700	1822.353	1822.848	0.495
3	482	1821.037	1822.848	1.811
3	1033	1704.126	1696.450	-7.686
8	442	1773.443	1779.321	5.878
8	699	1842.132	1825.674	-16.458
8	344	1841.859	1872.112	30.253
8	355	1887.116	1893.185	6.069
8	790	1823.561	1822.858	-0.703
10	537	1768.107	1811.628	43.521
10	396	1741.884	1762.822	20.938
10	521	1813.449	1823.472	10.023
10	535	1906.469	1922.339	15.870
10	526	1837.069	1842.830	5.761
15	940	1893.185	1899.293	6.108
15	387	1840.909	1852.342	11.433
15	787	1936.775	1962.603	25.828
15	1042	1839.577	1844.532	4.955
15	483	1797.488	1795.065	-2.423
30	597	1752.318	1761.064	8.746
30	853	1784.459	1778.393	-6.066
30	416	1796.872	1816.729	19.857
30	949	1824.900	1831.034	6.134
30	221	1789.598	1806.080	16.482
35	538	1839.940	1893.174	53.234
35	164	1705.114	1704.404	-0.710
35	1018	1900.972	1924.114	23.142
35	462	1793.846	1803.323	9.477
35	1032	1823.432	1793.827	-29.605
50	566	1859.115	1841.505	-17.610
50	197	1796.439	1768.107	-28.332
50	793	1824.979	1843.772	18.793
50	802	1834.197	1838.921	4.724
50	61	1844.066	1862.697	18.631
55	795	1785.656	1799.561	13.905
55	921	1784.725	1785.665	0.940
55	741	1768.107	1795.055	26.948
55	809	1897.242	1924.125	26.883
55	804	1843.599	1870.630	27.031
100	449	1731.708	1768.107	36.399
100	541	1748.856	1815.195	66.339
100	476	1725.430	1764.583	39.153
100	45	1936.775	1917.845	-18.930
100	642	1899.293	1974.220	74.927
105	1036	1882.669	1956.082	73.413
105	1038	1861.457	1896.995	35.538
105	203	1853.457	1899.293	45.836
105	1029	1844.481	1861.539	17.058
105	1027	1845.709	1843.984	-1.725
105	Max	1936.775	1974.220	74.927
105	Average	1824.155	1836.780	12.625
105	Min	1704.136	1688.656	-29.605
105	Std Dev	58.312	63.816	23.737



8.11_EA_GM_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
2450	1200
2450	1200

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000
Min	1688.656	1696.450	1779.321	1762.822	1795.065	1761.064	1704.404	1768.107	1785.665	1764.583	1843.984
Average	1809.765	1813.908	1838.630	1832.618	1870.767	1798.740	1823.768	1831.000	1835.007	1847.990	1891.579
Max	1890.433	1893.185	1893.185	1922.339	1962.603	1831.034	1924.114	1862.697	1924.125	1974.220	1956.082
UL	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000

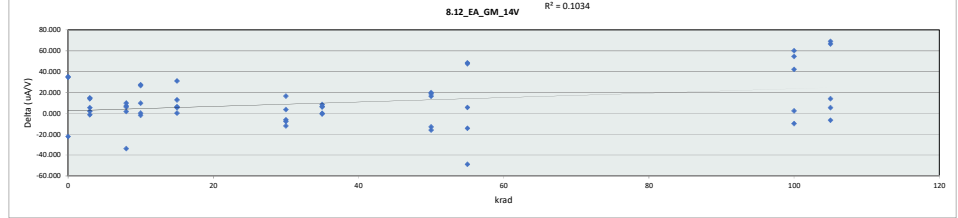


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

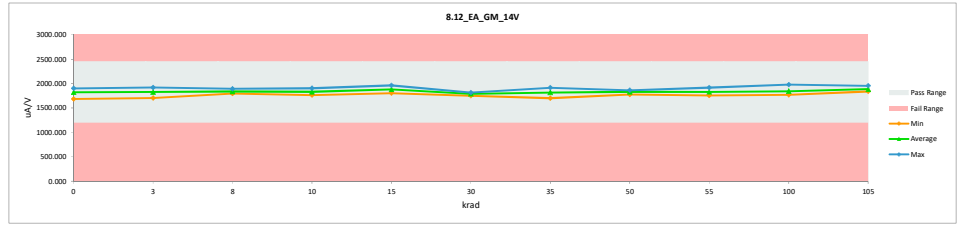
8.12_EA_GM_14V	
Test Site	
Tester	
Test Number	
Unit	uA/V
Max Limit	2450
Min Limit	1200

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1866.188	1901.349	35.161
0	726	1845.709	1880.084	34.375
0	791	1706.111	1683.656	-22.455
3	689	1905.430	1920.117	14.687
3	688	1853.099	1851.514	-1.585
3	700	1819.280	1821.185	1.905
3	482	1823.551	1837.341	13.790
3	1033	1696.802	1703.876	5.270
8	442	1789.608	1795.555	5.947
8	699	1853.119	1819.092	-34.027
8	344	1851.514	1858.529	7.015
8	355	1890.561	1892.181	1.620
8	790	1818.767	1828.510	9.743
10	537	1739.902	1806.070	27.268
10	396	1753.188	1762.813	9.625
10	521	1820.958	1820.978	0.020
10	535	1907.477	1905.441	-2.036
10	526	1836.657	1863.224	26.567
15	940	1893.185	1924.125	30.940
15	387	1853.693	1859.971	6.278
15	787	1962.592	1962.603	0.011
15	1042	1832.134	1844.867	12.733
15	483	1800.845	1806.080	5.235
30	597	1748.856	1752.327	3.471
30	853	1783.283	1776.993	-6.290
30	416	1822.848	1815.127	-7.721
30	949	1820.800	1808.611	-12.189
30	221	1784.184	1800.565	16.381
35	538	1863.235	1869.151	5.916
35	164	1695.148	1701.673	6.525
35	1018	1915.787	1915.787	0.000
35	462	1789.112	1797.421	8.309
35	1032	1797.180	1796.430	-0.750
50	566	1857.356	1844.278	-13.078
50	197	1789.608	1773.434	-16.174
50	793	1818.176	1836.797	18.621
50	802	1820.510	1844.846	16.336
50	61	1844.430	1864.218	19.788
55	795	1805.380	1756.390	-48.990
55	921	1789.083	1774.634	-14.449
55	741	1776.655	1824.969	48.314
55	809	1911.628	1917.155	5.527
55	804	1829.656	1877.087	47.431
100	449	1766.795	1769.002	2.207
100	541	1739.374	1781.494	42.120
100	476	1725.243	1779.764	54.521
100	45	1917.834	1907.900	-9.934
100	642	1917.856	1977.827	59.971
105	1036	1889.539	1956.082	66.543
105	1038	1864.539	1869.880	5.341
105	203	1841.182	1910.083	68.901
105	1029	1845.709	1838.911	-6.798
105	1027	1839.940	1853.846	13.906
105	Max	1962.592	1977.827	68.901
105	Average	1826.038	1836.639	10.601
105	Min	1695.148	1683.656	-48.990
105	Std Dev	59.246	64.979	23.495



8.12_EA_GM_14V	
Test Site	
Tester	
Test Number	
Max Limit	2450 uA/V
Min Limit	1200 uA/V

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000	1200.000
Min	1683.656	1703.876	1795.555	1762.813	1806.080	1752.327	1701.673	1773.434	1756.390	1769.002	1838.911
Average	1821.696	1826.807	1838.773	1831.705	1879.529	1790.725	1816.092	1832.715	1830.047	1843.197	1885.760
Max	1901.349	1920.117	1892.181	1905.441	1962.603	1815.127	1915.787	1864.218	1917.155	1977.827	1956.082
UL	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000	2450.000

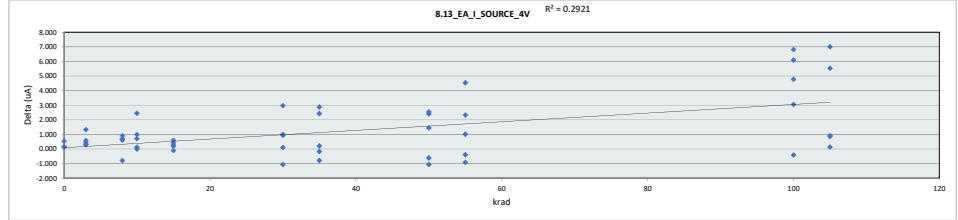


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

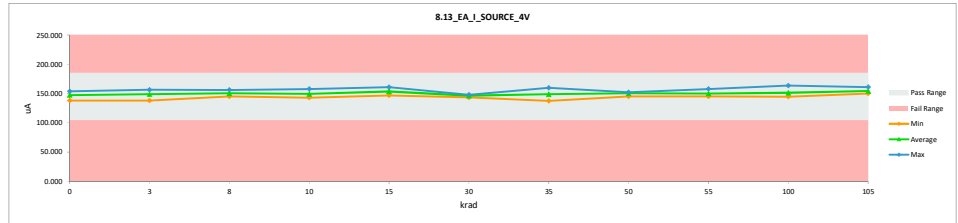
8.13_EA_I_SOURCE_4V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	185
Min Limit	105

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	153.398	153.927	0.529
0	726	150.235	150.383	0.148
0	791	137.905	138.035	0.130
3	689	155.289	156.604	1.315
3	688	150.657	150.941	0.284
3	700	149.750	150.164	0.414
3	482	148.581	148.872	0.291
3	1033	137.507	138.073	0.566
8	442	144.297	145.194	0.897
8	699	150.231	149.426	-0.805
8	344	151.377	151.976	0.599
8	355	155.563	156.208	0.645
8	730	148.898	149.579	0.681
10	437	149.244	147.691	-2.447
10	396	142.452	143.149	0.697
10	521	147.442	147.424	-0.018
10	535	157.737	157.860	0.123
10	526	150.414	151.394	0.980
15	940	158.162	158.357	0.195
15	387	151.107	151.693	0.586
15	787	161.079	160.965	-0.114
15	1042	149.989	150.242	0.253
15	483	146.541	146.932	0.391
30	597	142.448	143.382	0.934
30	853	145.667	145.758	0.091
30	416	146.775	147.764	0.989
30	949	149.133	148.061	-1.072
30	221	144.680	147.642	2.962
35	538	151.323	154.186	2.863
35	164	137.586	137.411	-0.175
35	1018	157.354	159.775	2.421
35	462	145.702	145.909	0.207
35	1032	147.522	146.725	-0.797
50	566	152.455	151.839	-0.616
50	197	146.338	145.269	-1.069
50	793	149.292	151.821	2.529
50	802	149.192	150.626	1.434
50	61	149.833	152.228	2.395
55	795	146.234	145.314	-0.920
55	921	145.653	145.254	-0.399
55	741	145.287	147.612	2.325
55	809	156.820	157.827	1.007
55	804	149.833	154.361	4.528
100	449	142.663	145.709	3.046
100	541	140.169	146.259	6.090
100	476	140.087	144.859	4.772
100	45	157.026	156.608	-0.418
100	642	156.839	163.647	6.808
105	1036	154.113	161.105	6.992
105	1038	152.535	153.389	0.854
105	203	151.110	156.633	5.523
105	1029	150.025	150.144	0.119
105	1027	149.750	150.662	0.912
105	Max	161.079	163.647	6.992
105	Average	149.006	150.243	1.237
105	Min	137.507	137.411	-0.172
105	Std Dev	5.458	5.789	1.957



8.13_EA_I_SOURCE_4V	
Test Site	
Tester	
Test Number	
Max Limit	185 uA
Min Limit	105 uA

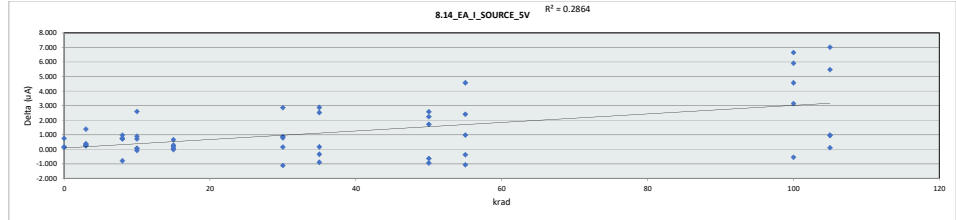
krad	0	3	8	10	15	30	35	50	55	100	105
LL	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000
Min	138.035	138.073	145.194	143.149	146.932	143.382	137.411	145.269	145.254	144.859	150.144
Average	147.448	148.931	150.477	149.504	153.638	146.521	148.801	150.357	150.074	151.416	154.387
Max	153.927	156.604	156.208	157.860	160.965	148.061	159.775	152.228	157.827	163.647	161.105
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000



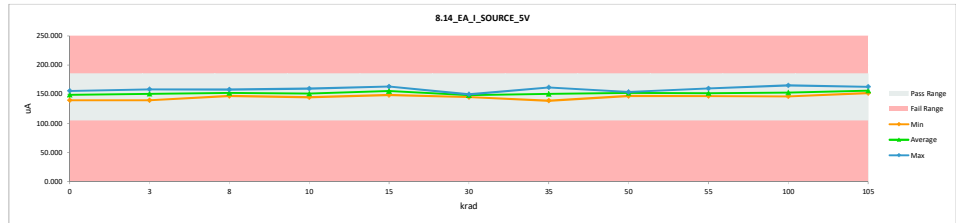
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

8.14_EA_I_SOURCE_SV				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	154.950	155.698	0.748
0	726	151.785	151.945	0.160
0	791	139.417	139.545	0.128
3	689	156.941	158.324	1.383
3	688	152.402	152.643	0.241
3	700	151.296	151.655	0.359
3	482	150.308	150.557	0.249
3	1033	139.922	139.498	-0.366
8	442	145.886	146.856	0.970
8	699	151.899	151.112	-0.787
8	344	152.856	153.567	0.711
8	355	157.209	157.944	0.735
8	790	150.413	151.145	0.732
10	537	146.469	149.442	2.993
10	396	143.969	144.677	0.708
10	521	149.012	148.921	-0.091
10	535	159.536	159.607	0.071
10	526	152.005	152.902	0.897
15	940	160.041	160.099	0.058
15	387	152.707	153.368	0.661
15	787	162.939	162.916	-0.023
15	1042	151.656	151.834	0.178
15	483	148.310	148.587	0.277
30	597	144.112	144.889	0.777
30	853	147.389	147.541	0.152
30	416	148.420	149.297	0.877
30	949	150.843	149.731	-1.112
30	221	146.362	149.215	2.853
35	538	152.844	155.713	2.869
35	164	139.105	138.762	-0.343
35	1018	158.980	161.503	2.523
35	462	147.281	147.444	0.163
35	1032	149.212	148.315	-0.897
50	566	154.184	153.549	-0.635
50	197	147.834	146.893	-0.941
50	793	150.848	153.429	2.581
50	802	150.920	152.634	1.714
50	61	151.498	153.732	2.234
55	795	147.919	146.854	-1.065
55	921	147.198	146.822	-0.376
55	741	146.850	149.257	2.407
55	809	158.676	159.649	0.973
55	804	151.419	155.979	4.560
100	449	144.220	147.362	3.142
100	541	141.800	147.708	5.908
100	476	141.741	146.307	4.566
100	45	158.795	158.237	-0.558
100	642	158.397	165.044	6.647
105	1036	155.855	162.870	7.015
105	1038	154.346	155.324	0.978
105	203	152.814	158.279	5.465
105	1029	151.766	151.870	0.104
105	1027	151.487	152.423	0.936
105	Max	162.939	165.044	7.015
105	Average	150.653	151.877	1.223
105	Min	139.105	138.762	-1.112
105	Std Dev	5.507	5.856	1.948



8.14_EA_I_SOURCE_SV											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000
Min	139.545	139.498	146.856	144.677	148.587	144.889	138.762	146.893	146.822	146.307	151.870
Average	149.063	150.535	152.125	151.110	155.361	148.135	150.347	152.047	151.712	152.932	156.153
Max	155.698	158.324	157.944	159.607	162.916	149.731	161.503	153.732	159.649	165.044	162.870
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000



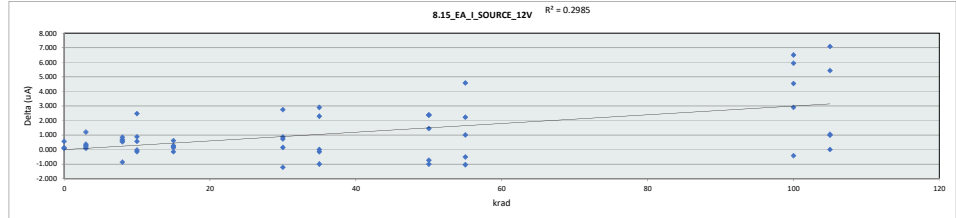


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

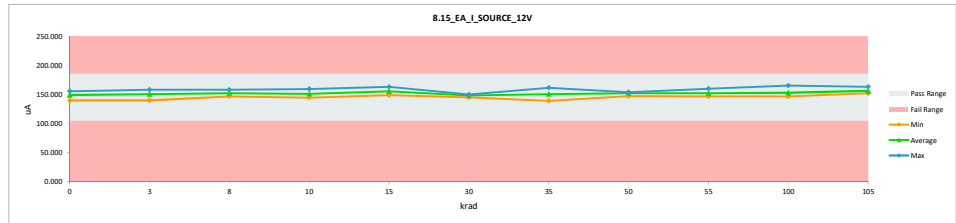
8.15_EA_I_SOURCE_12V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	185
Min Limit	105

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	154.998	155.558	0.560
0	726	151.818	151.941	0.123
0	791	139.499	139.577	0.078
3	689	156.987	158.182	1.195
3	688	152.449	152.620	0.171
3	700	151.382	151.643	0.261
3	482	150.424	150.498	0.074
3	1033	139.571	139.571	0.353
8	442	145.998	146.840	0.842
8	699	151.919	151.050	-0.869
8	344	152.983	153.513	0.530
8	355	157.226	157.904	0.678
8	790	150.476	151.124	0.648
10	437	146.854	149.314	2.460
10	396	144.045	144.601	0.556
10	521	149.092	148.934	-0.158
10	535	159.459	159.424	-0.035
10	526	152.089	152.961	0.872
15	940	159.962	160.217	0.255
15	387	152.760	153.371	0.611
15	787	163.007	162.851	-0.156
15	1042	151.668	151.790	0.122
15	483	148.401	148.604	0.203
30	597	144.046	144.910	0.864
30	853	147.425	147.559	0.134
30	416	148.575	149.297	0.722
30	949	150.937	149.715	-1.222
30	221	146.456	149.191	2.735
35	538	152.804	155.689	2.885
35	164	139.116	138.963	-0.153
35	1018	159.076	161.361	2.285
35	462	147.436	147.436	0.000
35	1032	149.311	148.307	-1.004
50	566	154.248	153.507	-0.741
50	197	147.979	146.970	-1.009
50	793	150.940	153.315	2.375
50	802	150.963	152.401	1.438
50	61	151.580	153.935	2.355
55	795	148.061	147.013	-1.048
55	921	147.338	146.820	-0.518
55	741	146.936	149.152	2.216
55	809	158.656	159.657	1.001
55	804	151.480	156.051	4.571
100	449	144.253	147.147	2.894
100	541	141.888	147.805	5.917
100	476	141.780	146.306	4.526
100	45	158.856	158.429	-0.427
100	642	158.495	164.584	6.089
105	1036	155.890	162.968	7.078
105	1038	154.210	155.195	0.985
105	203	152.894	158.308	5.414
105	1029	151.835	151.834	-0.001
105	1027	151.337	152.377	1.040
105	Max	163.007	164.584	1.577
105	Average	150.708	151.862	1.154
105	Min	139.116	138.963	-1.222
105	Std Dev	5.491	5.836	1.947



8.15_EA_I_SOURCE_12V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	185
Min Limit	105

krad	0	3	8	10	15	30	35	50	55	100	105
LL	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000
Min	139.577	139.571	146.840	144.601	148.604	144.910	138.963	146.970	146.820	146.306	151.834
Average	149.025	150.503	152.086	151.047	155.367	148.134	150.351	152.026	151.739	152.934	156.136
Max	155.558	158.182	157.904	159.424	162.851	149.715	161.361	153.935	159.657	164.984	162.968
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000

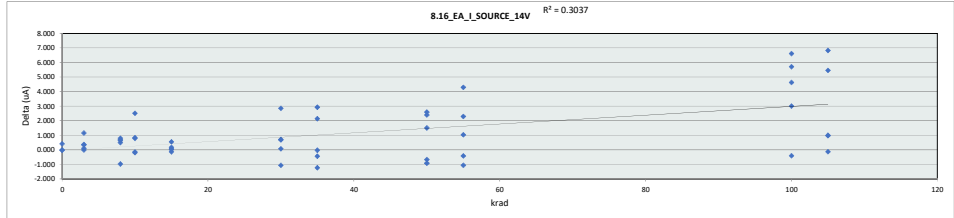


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

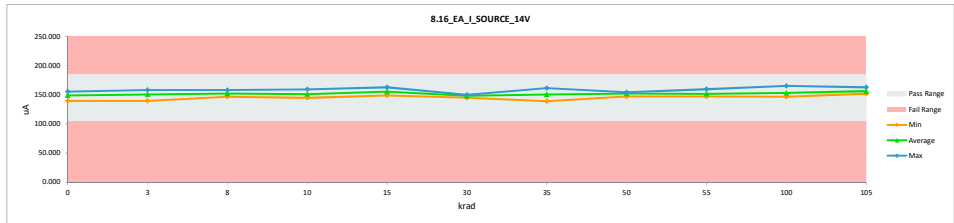
8.16_EA_I_SOURCE_14V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	185
Min Limit	105

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	154.927	155.342	0.415
0	726	151.746	151.722	-0.024
0	791	139.478	139.470	-0.008
3	689	156.890	158.040	1.150
3	688	152.341	152.444	0.103
3	700	151.294	151.631	0.337
3	482	150.282	150.270	-0.012
3	1033	139.141	139.506	0.365
8	442	145.910	146.706	0.796
8	699	151.826	150.854	-0.972
8	344	152.839	153.338	0.499
8	355	157.130	157.784	0.654
8	790	150.351	151.044	0.693
10	437	146.791	149.280	2.509
10	396	143.785	144.625	0.840
10	521	148.924	148.724	-0.200
10	535	159.368	159.217	-0.151
10	526	151.985	152.770	0.785
15	940	159.809	159.833	0.024
15	387	152.667	153.218	0.551
15	787	162.839	162.700	-0.139
15	1042	151.557	151.618	0.061
15	483	148.239	148.410	0.171
30	597	144.122	144.835	0.713
30	853	147.296	147.370	0.074
30	416	148.500	149.179	0.679
30	949	150.799	149.732	-1.067
30	221	146.372	149.224	2.852
35	538	152.700	155.626	2.926
35	164	139.173	138.731	-0.442
35	1018	159.078	161.212	2.134
35	462	147.374	147.350	-0.024
35	1032	149.398	148.171	-1.227
50	566	154.113	153.446	-0.667
50	197	147.813	146.891	-0.922
50	793	150.757	153.349	2.592
50	802	150.798	152.304	1.506
50	61	151.470	153.868	2.398
55	795	147.946	146.884	-1.062
55	921	147.207	146.794	-0.413
55	741	146.780	149.069	2.289
55	809	158.460	159.488	1.028
55	804	151.416	155.708	4.292
100	449	144.126	147.138	3.012
100	541	141.728	147.437	5.709
100	476	141.751	146.376	4.625
100	45	158.743	158.335	-0.408
100	642	158.312	164.924	6.612
105	1036	155.907	162.734	6.827
105	1038	154.272	155.274	1.002
105	203	152.774	158.227	5.453
105	1029	151.788	151.658	-0.130
105	1027	151.386	152.349	0.963
105	Max	162.839	164.924	6.827
	Average	150.612	151.740	1.128
	Min	139.141	138.731	-1.227
	Std Dev	5.479	5.816	1.949



8.16_EA_I_SOURCE_14V	
Test Site	
Tester	
Test Number	
Max Limit	185 uA
Min Limit	105 uA

krad	0	3	8	10	15	30	35	50	55	100	105
LL	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000
Min	139.470	139.506	146.706	144.625	148.410	144.835	138.731	146.891	146.794	146.376	151.658
Average	148.045	150.378	151.945	150.923	155.156	148.068	150.218	151.972	151.589	152.842	156.048
Max	155.342	158.040	157.784	159.217	162.700	162.700	149.732	161.212	153.868	159.488	162.734
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000

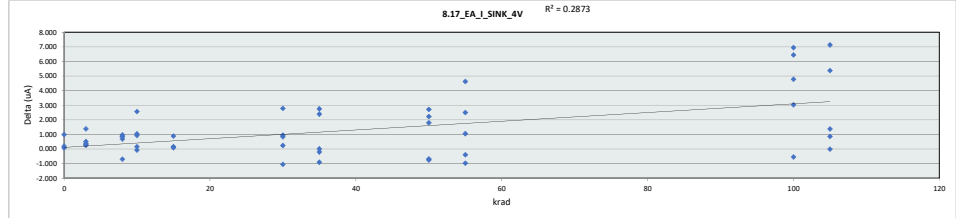


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

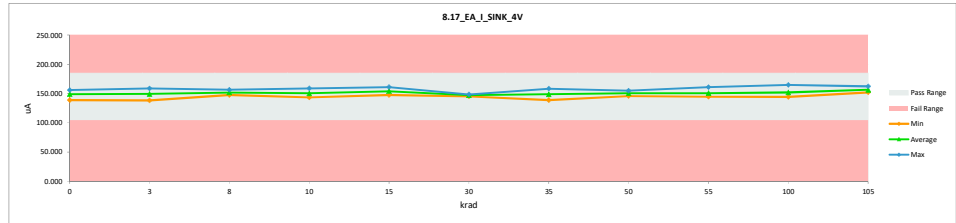
8.17_EA_I_SINK_4V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	185
Min Limit	105

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	154.888	155.863	0.975
0	726	152.520	152.705	0.185
0	791	138.839	138.907	0.068
3	689	157.334	158.706	1.372
3	688	151.307	151.563	0.256
3	700	147.845	148.116	0.271
3	482	149.725	150.086	0.361
3	1033	137.862	138.368	0.506
8	442	146.717	147.677	0.960
8	699	151.882	151.175	-0.707
8	344	153.220	153.894	0.674
8	355	155.662	156.539	0.877
8	790	149.119	149.950	0.831
10	437	145.186	147.746	2.560
10	396	142.384	143.300	0.916
10	521	148.795	148.715	-0.080
10	535	158.860	159.008	0.148
10	526	151.841	152.873	1.032
15	940	156.802	156.928	0.126
15	387	152.450	153.328	0.878
15	787	161.075	161.157	0.082
15	1042	150.873	151.010	0.137
15	483	147.465	147.602	0.137
30	597	144.500	145.330	0.830
30	853	145.979	146.208	0.229
30	416	146.397	147.337	0.940
30	949	149.604	148.540	-1.064
30	221	145.714	148.489	2.775
35	538	151.610	154.349	2.739
35	164	139.114	138.901	-0.213
35	1018	155.958	158.347	2.389
35	462	145.826	145.823	-0.003
35	1032	147.281	146.366	-0.915
50	566	150.021	149.332	-0.689
50	197	146.433	145.671	-0.762
50	793	148.832	151.538	2.706
50	802	149.450	151.239	1.789
50	61	152.685	154.904	2.219
55	795	145.613	144.629	-0.984
55	921	145.734	145.328	-0.406
55	741	145.655	148.144	2.489
55	809	159.919	160.959	1.040
55	804	149.930	154.549	4.619
100	449	141.991	145.006	3.015
100	541	141.314	147.749	6.435
100	476	139.629	144.403	4.774
100	45	159.155	158.603	-0.552
100	642	157.801	164.737	6.936
105	1036	155.217	162.341	7.124
105	1038	156.323	157.179	0.856
105	203	152.189	157.556	5.367
105	1029	152.041	152.028	-0.013
105	1027	151.642	153.002	1.360
105	Max	161.075	164.737	7.124
105	Average	149.740	151.015	1.275
105	Min	137.862	138.368	-1.064
105	Std Dev	5.666	6.016	1.983



8.17_EA_I_SINK_4V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	185
Min Limit	105

krad	0	3	8	10	15	30	35	50	55	100	105
LL	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000
Min	138.907	138.368	147.677	143.300	147.602	145.330	138.901	145.671	144.629	144.403	152.028
Average	149.158	149.368	151.847	150.328	154.005	147.181	148.757	150.537	150.722	152.100	156.421
Max	155.863	158.706	156.539	159.008	161.157	148.540	158.347	154.904	160.959	164.737	162.341
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000

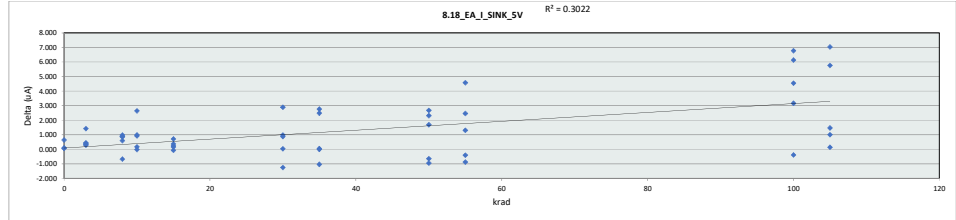


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

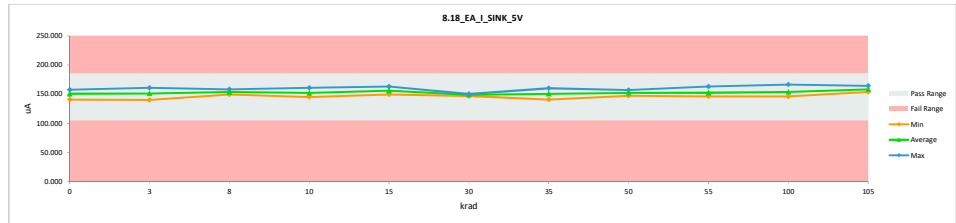
8.18_EA_I_SINK_5V	
Test Site	Tester
Test Number	
Unit	uA
Max Limit	185
Min Limit	105

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	156.886	157.515	0.629
0	726	154.344	154.434	0.090
0	791	140.518	140.581	0.063
3	689	159.286	160.698	1.412
3	688	153.164	153.600	0.436
3	700	149.502	149.813	0.311
3	482	151.515	151.798	0.283
3	1033	140.054	140.054	0.408
8	442	148.345	149.321	0.976
8	699	153.694	153.013	-0.681
8	344	154.858	155.452	0.594
8	355	157.399	158.242	0.843
8	730	150.800	151.684	0.884
10	437	146.337	149.617	2.636
10	396	144.085	145.003	0.918
10	521	150.504	150.480	-0.024
10	535	160.543	160.700	0.157
10	526	153.639	154.624	0.985
15	940	158.516	158.742	0.226
15	387	154.321	155.028	0.707
15	787	163.123	163.047	-0.076
15	1042	152.618	152.772	0.154
15	483	149.165	149.525	0.360
30	597	146.114	146.986	0.872
30	853	147.879	147.910	0.031
30	416	148.170	149.144	0.974
30	949	151.506	150.253	-1.253
30	221	147.321	150.209	2.888
35	538	153.345	156.097	2.752
35	164	140.650	140.650	0.000
35	1018	157.757	160.234	2.477
35	462	147.514	147.549	0.035
35	1032	149.122	148.082	-1.040
50	566	151.894	151.245	-0.649
50	197	148.145	147.193	-0.952
50	793	150.436	151.100	2.664
50	802	151.395	153.079	1.684
50	61	154.583	156.894	2.311
55	795	147.234	146.354	-0.880
55	921	147.533	147.122	-0.411
55	741	147.339	149.796	2.457
55	809	161.711	163.014	1.303
55	804	151.710	156.280	4.570
100	449	143.494	146.645	3.151
100	541	143.122	149.245	6.123
100	476	141.388	145.929	4.541
100	45	161.020	160.629	-0.391
100	642	159.571	166.341	6.770
105	1036	157.176	164.204	7.028
105	1038	158.066	159.067	1.001
105	203	153.732	159.491	5.759
105	1029	153.862	154.000	0.138
105	1027	153.338	154.803	1.465
105	Max	163.123	166.341	7.028
105	Average	151.501	152.779	1.278
105	Min	139.646	140.054	-1.253
105	Std Dev	5.718	6.072	1.969



8.18_EA_I_SINK_5V	
Test Site	Tester
Test Number	
Max Limit	185 uA
Min Limit	105 uA

krad	0	3	8	10	15	30	35	50	55	100	105
LL	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000
Min	140.581	140.054	149.321	145.003	149.525	146.986	140.650	147.193	146.354	145.929	154.000
Average	150.843	151.193	153.542	152.085	155.823	148.900	150.522	152.302	152.513	153.758	158.213
Max	157.515	160.698	158.242	160.700	163.047	163.047	150.253	160.234	156.894	163.014	164.204
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000

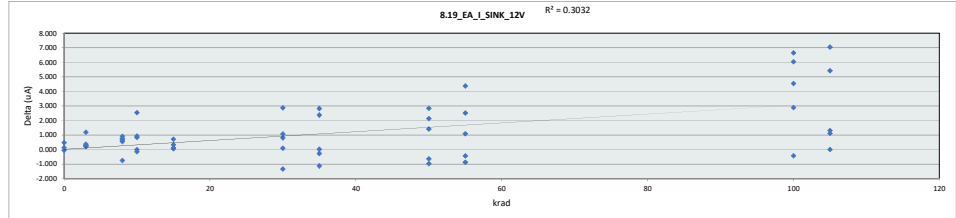


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

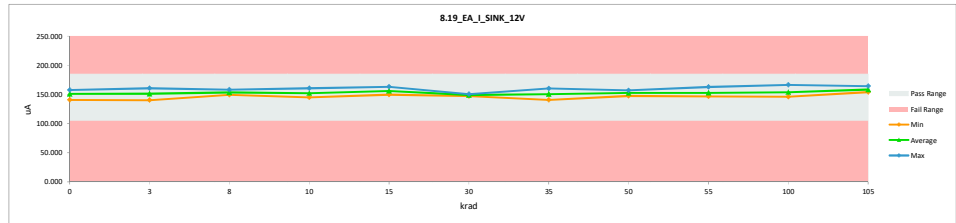
8.19_EA_I_SINK_12V	
Test Site	
Tester	
Test Number	
Unit	uA
Max Limit	185
Min Limit	105

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	156.946	157.409	0.463
0	726	154.360	154.480	0.120
0	791	140.630	140.574	-0.056
3	689	159.420	160.606	1.186
3	688	153.207	153.489	0.282
3	700	149.661	149.860	0.199
3	482	151.551	151.796	0.245
3	1033	149.763	140.130	0.367
8	442	148.439	149.339	0.900
8	699	153.743	152.987	-0.756
8	344	154.899	155.440	0.541
8	355	157.482	158.123	0.641
8	790	150.896	151.642	0.746
10	437	146.971	149.496	2.525
10	396	144.140	144.957	0.817
10	521	150.627	150.470	-0.157
10	535	160.555	160.544	-0.011
10	526	153.779	154.692	0.913
15	940	158.773	158.878	0.105
15	387	154.344	155.052	0.708
15	787	163.214	163.264	0.050
15	1042	152.667	152.737	0.070
15	483	149.302	149.626	0.324
30	597	146.275	147.068	0.793
30	853	147.989	148.073	0.084
30	416	148.121	149.183	1.062
30	949	151.640	150.297	-1.343
30	221	147.423	150.283	2.860
35	538	153.283	156.092	2.809
35	164	140.859	140.581	-0.278
35	1018	157.840	160.204	2.364
35	462	147.635	147.651	0.016
35	1032	149.210	148.079	-1.131
50	566	151.974	151.330	-0.644
50	197	148.272	147.294	-0.978
50	793	150.517	153.344	2.827
50	802	151.461	152.864	1.403
50	61	154.702	156.820	2.118
55	795	147.415	146.530	-0.885
55	921	147.627	147.181	-0.446
55	741	147.436	149.940	2.504
55	809	161.761	162.838	1.077
55	804	151.792	156.151	4.359
100	449	143.476	146.355	2.879
100	541	143.176	149.197	6.021
100	476	141.423	145.954	4.531
100	45	161.126	160.691	-0.435
100	642	159.680	166.317	6.637
105	1036	157.171	164.205	7.034
105	1038	158.266	159.371	1.105
105	203	153.837	159.246	5.409
105	1029	153.946	153.944	-0.002
105	1027	153.491	154.788	1.297
105	Max	163.214	166.317	7.034
105	Average	151.589	152.782	1.194
105	Min	139.763	140.130	-1.343
105	Std Dev	5.717	6.057	1.953



8.19_EA_I_SINK_12V	
Test Site	
Tester	
Test Number	
Max Limit	185 uA
Min Limit	105 uA

krad	0	3	8	10	15	30	35	50	55	100	105
LL	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000
Min	140.574	140.130	149.339	144.957	149.626	147.068	140.581	147.294	146.530	145.954	153.944
Average	150.821	151.176	153.506	152.032	155.911	148.981	150.521	152.330	152.528	153.703	158.311
Max	157.409	160.606	158.123	160.544	163.264	150.297	160.204	156.820	162.838	166.317	164.205
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000

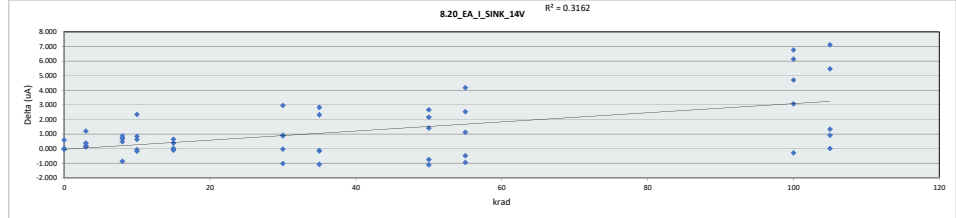


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

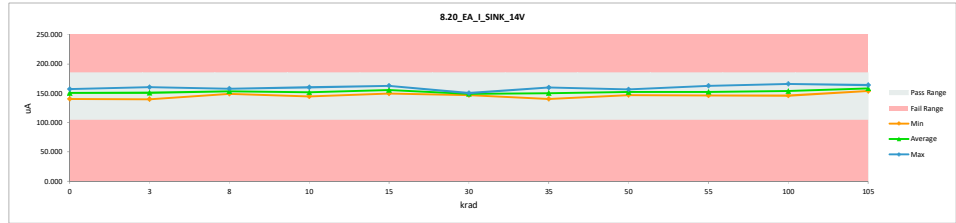
8.20_EA_I_SINK_14V	
Test Site	Tester
Test Number	
Unit	uA
Max Limit	185
Min Limit	105

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	156.656	157.231	0.575
0	726	154.253	154.263	0.010
0	791	140.595	140.535	-0.060
3	689	159.233	160.425	1.192
3	688	153.154	153.271	0.117
3	700	149.600	149.776	0.176
3	482	151.473	151.620	0.147
3	1033	140.035	140.035	0.375
8	442	148.336	149.205	0.869
8	699	153.677	152.798	-0.879
8	344	154.782	155.243	0.461
8	355	157.401	158.057	0.656
8	790	150.758	151.499	0.741
10	537	146.905	149.242	2.337
10	396	144.153	144.777	0.624
10	521	150.491	150.307	-0.184
10	535	160.455	160.382	-0.073
10	526	153.681	154.517	0.836
15	940	158.677	158.577	-0.100
15	387	154.231	154.865	0.634
15	787	163.080	162.971	-0.109
15	1042	152.594	152.607	0.013
15	483	149.143	149.514	0.371
30	597	146.120	146.986	0.866
30	853	147.858	147.818	-0.040
30	416	148.087	149.000	0.913
30	949	151.480	150.451	-1.029
30	221	147.367	150.319	2.952
35	538	153.146	155.972	2.826
35	164	140.682	140.527	-0.155
35	1018	157.660	159.976	2.316
35	462	147.624	147.480	-0.144
35	1032	149.024	147.941	-1.083
50	566	151.911	151.158	-0.753
50	197	148.297	147.181	-1.116
50	793	150.424	153.076	2.652
50	802	151.334	152.734	1.400
50	61	154.590	156.737	2.147
55	795	147.248	146.292	-0.956
55	921	147.547	147.049	-0.498
55	741	147.355	149.877	2.522
55	809	161.735	162.847	1.112
55	804	151.718	155.890	4.172
100	449	143.413	146.474	3.061
100	541	143.073	149.203	6.130
100	476	141.358	146.060	4.702
100	45	161.025	160.721	-0.304
100	642	159.492	166.253	6.761
105	1036	156.973	164.077	7.104
105	1038	158.026	158.931	0.905
105	203	153.745	159.207	5.462
105	1029	153.913	153.911	-0.002
105	1027	153.513	154.847	1.334
	Max	163.080	166.253	7.104
	Average	151.485	152.655	1.170
	Min	139.660	140.035	-1.116
	Std Dev	5.699	6.034	1.984



8.20_EA_I_SINK_14V	
Test Site	Tester
Test Number	
Max Limit	185 uA
Min Limit	105 uA

krad	0	3	8	10	15	30	35	50	55	100	105
LL	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000	105.000
Min	140.535	140.035	149.205	144.777	149.514	146.986	140.527	147.181	146.292	146.060	153.911
Average	150.676	151.025	153.360	151.845	155.707	148.915	150.379	152.177	152.391	153.742	158.195
Max	157.231	160.425	158.057	160.382	162.971	150.451	159.976	156.737	162.847	166.253	164.077
UL	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000	185.000

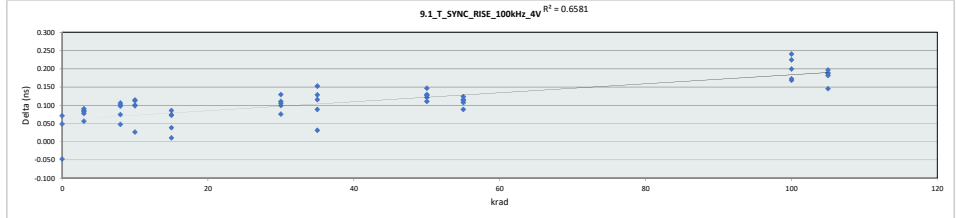


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

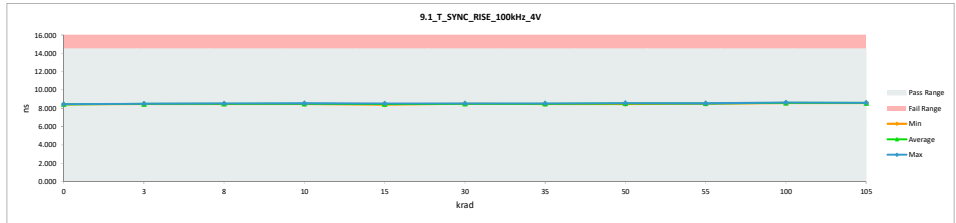
9.1_T_SYNC_RISE_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14.5 14.5
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.488	8.440	-0.048
0	726	8.361	8.409	0.048
0	791	8.356	8.427	0.071
3	689	8.397	8.474	0.077
3	688	8.384	8.466	0.082
3	700	8.410	8.466	0.056
3	482	8.397	8.483	0.086
3	1033	8.393	8.453	0.060
8	442	8.408	8.455	0.047
8	699	8.405	8.511	0.106
8	344	8.388	8.485	0.097
8	355	8.395	8.496	0.101
8	790	8.436	8.510	0.074
10	537	8.399	8.465	0.065
10	396	8.393	8.491	0.098
10	521	8.359	8.471	0.112
10	535	8.421	8.521	0.100
10	526	8.418	8.532	0.114
15	940	8.410	8.495	0.085
15	387	8.436	8.508	0.072
15	787	8.372	8.382	0.010
15	1042	8.387	8.425	0.038
15	483	8.404	8.477	0.073
30	597	8.399	8.528	0.129
30	853	8.359	8.469	0.110
30	416	8.417	8.492	0.075
30	949	8.367	8.472	0.105
30	221	8.414	8.513	0.099
35	538	8.389	8.517	0.128
35	164	8.375	8.527	0.152
35	1018	8.396	8.484	0.088
35	462	8.397	8.512	0.115
35	1032	8.411	8.442	0.031
50	566	8.420	8.530	0.110
50	197	8.335	8.456	0.121
50	793	8.406	8.533	0.127
50	802	8.364	8.493	0.129
50	61	8.415	8.561	0.146
55	795	8.386	8.493	0.107
55	921	8.401	8.516	0.115
55	741	8.418	8.541	0.123
55	809	8.384	8.497	0.113
55	804	8.438	8.526	0.088
100	449	8.429	8.597	0.168
100	541	8.384	8.556	0.172
100	476	8.344	8.584	0.240
100	45	8.378	8.577	0.199
100	642	8.393	8.617	0.224
105	1036	8.428	8.573	0.145
105	1038	8.374	8.570	0.196
105	203	8.368	8.549	0.181
105	1029	8.401	8.589	0.188
105	1027	8.392	8.578	0.186
105	Max	8.488	8.617	0.240
105	Average	8.396	8.504	0.108
105	Min	8.335	8.382	-0.048
105	Std Dev	0.028	0.050	0.054



9.1_T_SYNC_RISE_100kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	14.5 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.409	8.453	8.455	8.465	8.382	8.469	8.442	8.456	8.493	8.556	8.549
Average	8.425	8.468	8.491	8.496	8.457	8.495	8.496	8.515	8.515	8.586	8.572
Max	8.440	8.483	8.511	8.532	8.508	8.528	8.527	8.561	8.541	8.617	8.589
UL	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500

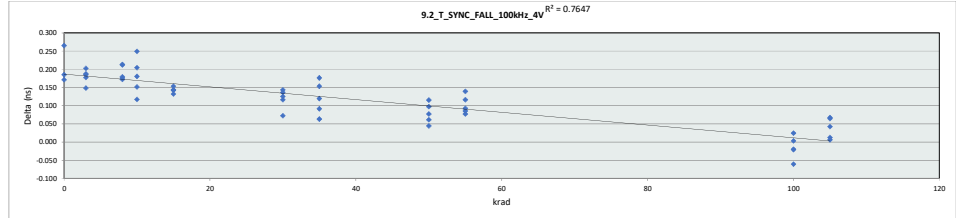


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

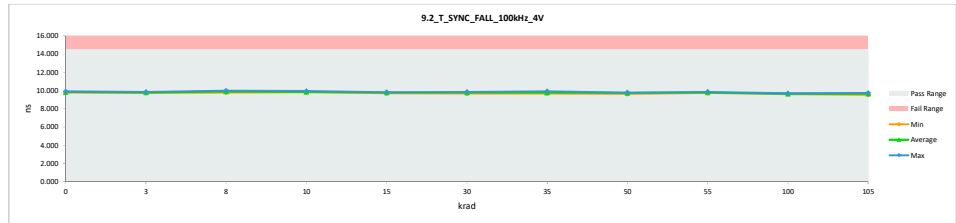
9.2_T_SYNC_FALL_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14.5 14.5
Min Limit	0 0

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	9.636	9.901	0.265
0	726	9.634	9.819	0.185
0	791	9.607	9.778	0.171
3	689	9.625	9.810	0.185
3	688	9.648	9.835	0.187
3	700	9.574	9.722	0.148
3	482	9.578	9.755	0.177
3	1033	9.548	9.750	0.202
8	442	9.809	9.985	0.176
8	699	9.571	9.784	0.213
8	344	9.693	9.905	0.212
8	355	9.772	9.951	0.179
8	730	9.693	9.865	0.172
10	537	9.646	9.797	0.151
10	396	9.621	9.801	0.180
10	521	9.688	9.805	0.117
10	535	9.714	9.918	0.204
10	526	9.686	9.935	0.249
15	540	9.689	9.821	0.132
15	387	9.641	9.784	0.143
15	787	9.578	9.720	0.142
15	1042	9.587	9.740	0.153
15	483	9.606	9.749	0.143
30	597	9.671	9.743	0.072
30	853	9.531	9.667	0.136
30	416	9.699	9.842	0.143
30	949	9.695	9.820	0.125
30	221	9.663	9.779	0.116
35	538	9.620	9.739	0.119
35	164	9.600	9.776	0.176
35	1018	9.601	9.692	0.091
35	462	9.755	9.908	0.153
35	1032	9.623	9.686	0.063
50	566	9.673	9.717	0.044
50	197	9.547	9.624	0.077
50	793	9.662	9.777	0.115
50	802	9.705	9.766	0.061
50	61	9.645	9.742	0.097
55	795	9.647	9.732	0.085
55	921	9.668	9.760	0.092
55	741	9.633	9.772	0.139
55	809	9.775	9.852	0.077
55	804	9.659	9.775	0.116
100	449	9.690	9.670	-0.020
100	541	9.706	9.685	-0.021
100	476	9.622	9.625	0.003
100	45	9.615	9.639	0.024
100	642	9.677	9.616	-0.061
105	1036	9.624	9.691	0.067
105	1038	9.527	9.533	0.006
105	203	9.657	9.721	0.064
105	1029	9.532	9.544	0.012
105	1027	9.625	9.667	0.042
105	Max	9.809	9.985	0.265
105	Average	9.645	9.764	0.119
105	Min	9.527	9.533	-0.061
105	Std Dev	0.062	0.096	0.071



9.2_T_SYNC_FALL_100kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	14.5 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	9.778	9.722	9.784	9.797	9.720	9.667	9.686	9.624	9.732	9.616	9.533
Average	9.833	9.774	9.898	9.851	9.763	9.770	9.760	9.725	9.778	9.647	9.631
Max	9.901	9.835	9.985	9.935	9.821	9.842	9.908	9.777	9.852	9.685	9.721
UL	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500



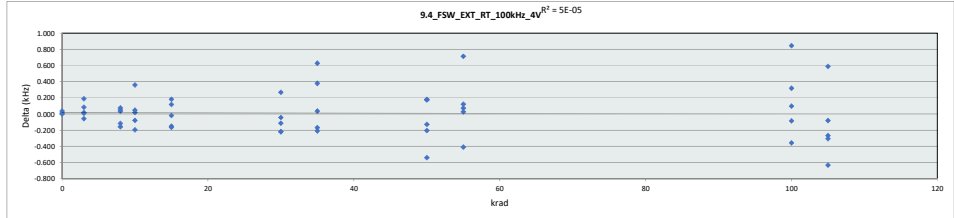


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

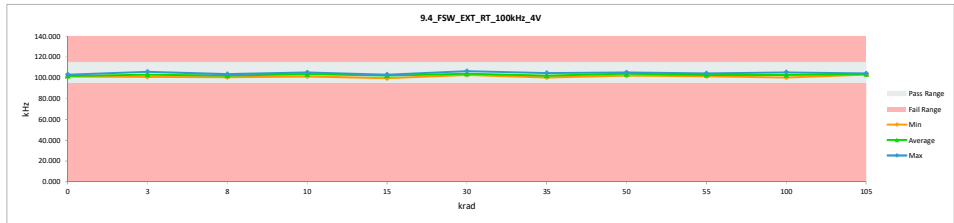
9.4_FSW_EXT_RT_100kHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	115
Min Limit	95

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	101.019	101.017	-0.002
0	726	101.154	101.189	0.035
0	791	103.051	103.061	0.010
3	689	102.182	102.198	0.016
3	688	103.465	103.473	0.008
3	700	100.565	100.751	0.186
3	482	105.567	105.649	0.082
3	1033	102.897	102.897	-0.060
8	442	103.314	103.366	0.052
8	699	102.766	102.647	-0.119
8	344	102.185	102.217	0.032
8	355	101.429	101.503	0.074
8	790	100.765	100.605	-0.160
10	437	101.202	101.248	0.046
10	396	103.266	103.185	-0.081
10	521	104.762	104.564	-0.198
10	535	104.995	105.011	0.016
10	526	103.476	103.833	0.357
15	940	102.547	102.727	0.180
15	387	102.638	102.471	-0.167
15	787	102.440	102.419	-0.021
15	1042	99.623	99.471	-0.152
15	483	102.918	103.034	0.116
30	597	102.736	102.621	-0.115
30	853	105.950	106.216	0.266
30	416	103.535	103.313	-0.222
30	949	104.046	103.828	-0.218
30	221	103.154	103.108	-0.046
35	538	104.626	104.454	-0.172
35	164	101.619	102.245	0.626
35	1018	101.278	101.656	0.378
35	462	100.271	100.305	0.034
35	1032	101.949	101.738	-0.211
50	566	103.753	103.931	0.178
50	197	104.873	105.046	0.173
50	793	105.075	104.868	-0.207
50	802	103.643	103.101	-0.542
50	61	102.063	101.933	-0.130
55	795	101.940	101.528	-0.412
55	921	102.016	102.041	0.025
55	741	104.159	104.229	0.070
55	809	103.444	103.562	0.118
55	804	101.020	101.731	0.711
100	449	99.969	100.285	0.316
100	541	102.442	102.356	-0.086
100	476	103.019	102.661	-0.358
100	45	105.146	105.241	0.095
100	642	102.543	103.386	0.843
105	1036	103.471	104.058	0.587
105	1038	103.217	103.133	-0.084
105	203	104.069	103.800	-0.269
105	1029	104.624	103.990	-0.634
105	1027	103.448	103.141	-0.307
105	Max	105.950	106.216	0.843
105	Average	102.856	102.869	0.012
105	Min	99.623	99.471	-0.634
105	Std Dev	1.472	1.443	0.282



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000
Min	101.017	100.751	100.605	101.248	99.471	102.621	100.305	101.933	101.528	100.285	103.133
Average	101.756	102.994	102.069	103.568	102.024	103.817	102.080	103.776	102.618	102.786	103.624
Max	103.061	105.649	103.366	105.011	103.034	106.216	104.454	105.046	104.229	105.241	104.058
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000

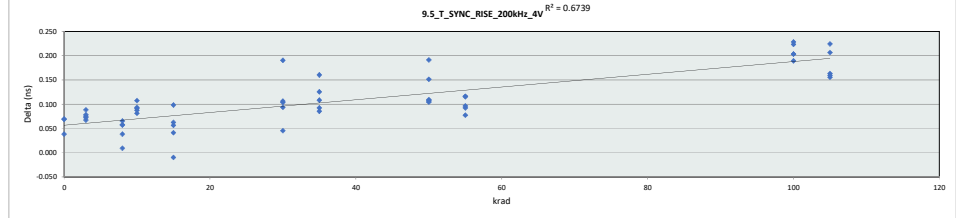


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

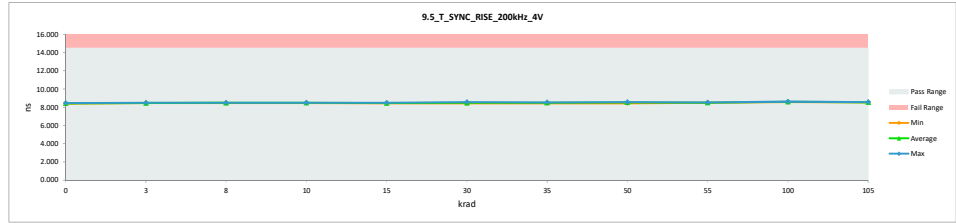
9.5_T_SYNC_RISE_200kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14.5 14.5
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.433	8.471	0.038
0	726	8.379	8.448	0.069
0	791	8.334	8.403	0.069
3	689	8.389	8.477	0.088
3	688	8.388	8.460	0.072
3	700	8.391	8.458	0.067
3	482	8.410	8.488	0.078
3	1033	8.386	8.461	0.075
8	442	8.399	8.456	0.057
8	699	8.421	8.486	0.065
8	344	8.481	8.490	0.009
8	355	8.426	8.464	0.038
8	790	8.443	8.500	0.057
10	537	8.396	8.475	0.081
10	396	8.383	8.490	0.107
10	521	8.392	8.479	0.087
10	535	8.421	8.512	0.091
10	526	8.414	8.507	0.093
15	940	8.449	8.490	0.041
15	387	8.488	8.478	-0.010
15	787	8.384	8.482	0.098
15	1042	8.390	8.452	0.062
15	483	8.427	8.483	0.056
30	597	8.369	8.559	0.190
30	853	8.383	8.428	0.045
30	416	8.397	8.490	0.093
30	949	8.364	8.470	0.106
30	221	8.399	8.502	0.103
35	538	8.380	8.540	0.160
35	164	8.385	8.493	0.108
35	1018	8.384	8.509	0.125
35	462	8.405	8.490	0.085
35	1032	8.359	8.451	0.092
50	566	8.414	8.523	0.109
50	197	8.339	8.446	0.107
50	793	8.387	8.538	0.151
50	802	8.350	8.541	0.191
50	61	8.462	8.566	0.104
55	795	8.408	8.504	0.096
55	921	8.435	8.527	0.092
55	741	8.379	8.495	0.116
55	809	8.393	8.508	0.115
55	804	8.451	8.528	0.077
100	449	8.385	8.608	0.223
100	541	8.374	8.577	0.203
100	476	8.408	8.611	0.203
100	45	8.347	8.575	0.228
100	642	8.432	8.621	0.189
105	1036	8.392	8.547	0.155
105	1038	8.323	8.547	0.224
105	203	8.370	8.576	0.206
105	1029	8.358	8.521	0.163
105	1027	8.405	8.564	0.159
105	Max	8.488	8.621	0.228
105	Average	8.397	8.505	0.108
105	Min	8.323	8.403	-0.010
105	Std Dev	0.034	0.047	0.057



9.5_T_SYNC_RISE_200kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	14.5 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.403	8.458	8.456	8.475	8.452	8.428	8.451	8.446	8.495	8.575	8.521
Average	8.441	8.469	8.479	8.493	8.477	8.490	8.497	8.523	8.512	8.598	8.551
Max	8.471	8.488	8.500	8.512	8.490	8.559	8.540	8.566	8.528	8.621	8.576
UL	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500

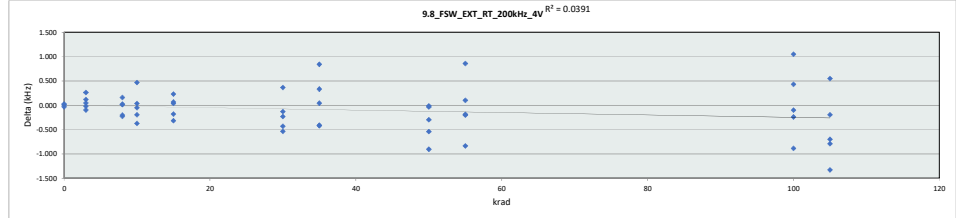


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

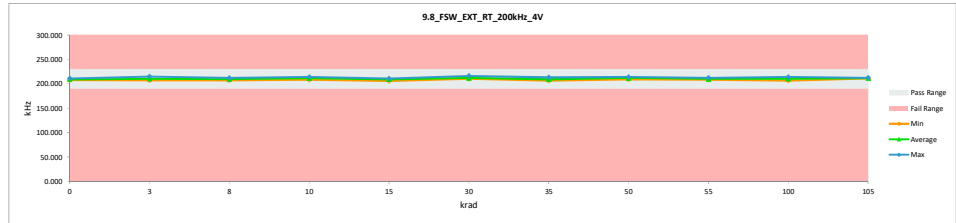
9.8_FSW_EXT_RT_200kHz_4V	
Test Site	Tester
Test Number	Unit
Unit	kHz
Max Limit	230
Min Limit	190

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	207.629	207.636	0.007
0	726	208.253	208.277	0.024
0	791	211.120	211.085	-0.035
3	689	209.583	209.628	0.045
3	688	211.184	211.163	-0.021
3	700	206.544	206.805	0.261
3	482	214.889	215.007	0.118
3	1033	210.779	210.679	-0.100
8	442	211.909	211.929	0.020
8	699	210.017	209.789	-0.228
8	344	210.223	210.236	0.013
8	355	208.800	208.959	0.159
8	790	207.364	207.160	-0.204
10	437	208.031	208.066	0.035
10	396	211.603	211.406	-0.197
10	521	214.028	213.654	-0.374
10	535	214.011	213.957	-0.054
10	526	211.256	211.722	0.466
15	940	209.506	209.734	0.228
15	387	210.964	210.645	-0.319
15	787	209.966	210.002	0.036
15	1042	206.174	205.991	-0.183
15	483	210.846	210.911	0.065
30	597	210.215	210.083	-0.132
30	853	215.808	216.171	0.363
30	416	211.922	211.488	-0.434
30	949	212.395	211.858	-0.537
30	221	211.104	210.870	-0.234
35	538	213.530	213.109	-0.421
35	164	208.608	209.449	0.841
35	1018	208.405	208.736	0.331
35	462	206.276	206.317	0.041
35	1032	209.467	209.053	-0.414
50	566	212.041	212.026	-0.015
50	197	214.098	214.061	-0.037
50	793	214.518	213.976	-0.542
50	802	212.174	211.268	-0.906
50	61	209.413	209.114	-0.299
55	795	209.321	208.483	-0.838
55	921	209.186	208.996	-0.190
55	741	212.728	212.524	-0.204
55	809	211.552	211.652	0.100
55	804	208.008	208.865	0.857
100	449	206.052	206.480	0.428
100	541	210.215	209.973	-0.242
100	476	210.943	210.055	-0.888
100	45	214.114	214.012	-0.102
100	642	209.645	210.691	1.046
105	1036	212.001	212.549	0.548
105	1038	211.080	210.884	-0.196
105	203	213.007	212.213	-0.794
105	1029	213.375	212.043	-1.332
105	1027	211.581	210.879	-0.702
105	Max	215.808	216.171	1.046
105	Average	210.707	210.610	-0.097
105	Min	206.052	205.991	-1.332
105	Std Dev	2.358	2.255	0.444



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000
Min	207.636	206.805	207.160	208.066	205.991	210.083	206.317	209.114	208.483	206.480	210.879
Average	208.999	210.656	209.615	211.761	209.457	212.094	209.333	212.089	210.104	210.242	211.714
Max	211.085	215.007	211.929	213.957	210.911	216.171	213.109	214.061	212.524	214.012	212.549
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000

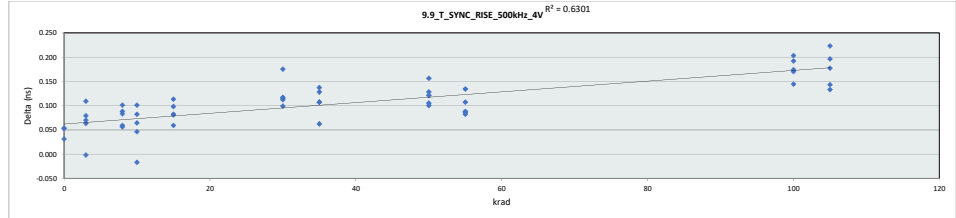


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

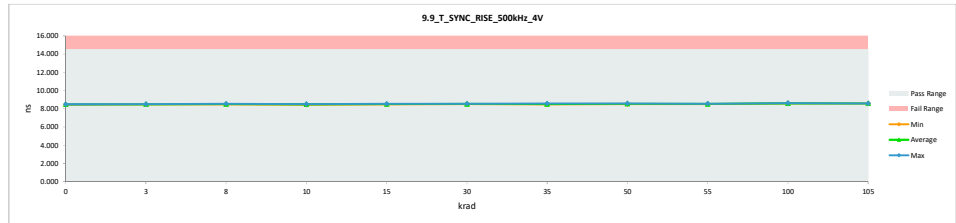
9.9_T_SYNC_RISE_500kHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14.5 14.5
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.458	8.489	0.031
0	726	8.406	8.459	0.053
0	791	8.396	8.449	0.053
3	689	8.395	8.504	0.109
3	688	8.399	8.462	0.063
3	700	8.422	8.492	0.070
3	482	8.494	8.492	-0.002
3	1033	8.402	8.471	0.070
8	442	8.426	8.485	0.059
8	699	8.437	8.525	0.088
8	344	8.420	8.476	0.056
8	355	8.406	8.489	0.083
8	790	8.444	8.545	0.101
10	537	8.450	8.496	0.046
10	396	8.428	8.492	0.064
10	521	8.464	8.447	-0.017
10	535	8.417	8.518	0.101
10	526	8.429	8.511	0.082
15	940	8.437	8.535	0.098
15	387	8.452	8.511	0.059
15	787	8.385	8.467	0.082
15	1042	8.391	8.472	0.081
15	483	8.412	8.525	0.113
30	597	8.413	8.525	0.112
30	853	8.357	8.532	0.175
30	416	8.412	8.529	0.117
30	949	8.432	8.547	0.115
30	221	8.418	8.517	0.099
35	538	8.429	8.536	0.107
35	164	8.399	8.527	0.128
35	1018	8.402	8.509	0.107
35	462	8.426	8.563	0.137
35	1032	8.408	8.470	0.062
50	566	8.439	8.544	0.105
50	197	8.403	8.503	0.100
50	793	8.458	8.579	0.121
50	802	8.417	8.573	0.156
50	61	8.457	8.585	0.128
55	795	8.414	8.521	0.107
55	921	8.446	8.534	0.088
55	741	8.453	8.535	0.082
55	809	8.436	8.522	0.086
55	804	8.424	8.558	0.134
100	449	8.441	8.611	0.170
100	541	8.387	8.579	0.192
100	476	8.413	8.587	0.174
100	45	8.432	8.576	0.144
100	642	8.423	8.626	0.203
105	1036	8.436	8.579	0.143
105	1038	8.380	8.576	0.196
105	203	8.349	8.572	0.223
105	1029	8.453	8.586	0.133
105	1027	8.394	8.571	0.177
105	Max	8.494	8.626	0.223
105	Average	8.421	8.526	0.105
105	Min	8.349	8.447	-0.017
105	Std Dev	0.027	0.043	0.049



9.9_T_SYNC_RISE_500kHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	14.5 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.449	8.462	8.476	8.447	8.467	8.517	8.470	8.503	8.521	8.576	8.571
Average	8.466	8.484	8.504	8.493	8.502	8.530	8.521	8.557	8.534	8.596	8.577
Max	8.489	8.504	8.545	8.518	8.535	8.547	8.563	8.585	8.558	8.626	8.586
UL	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500

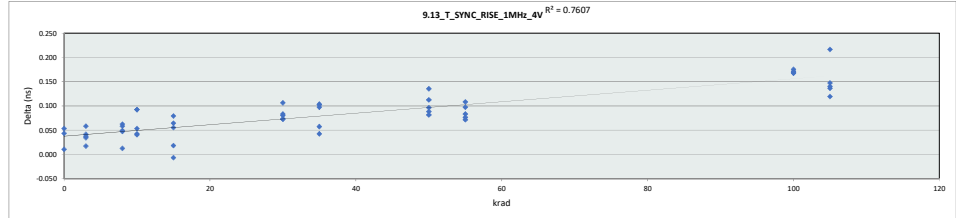


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

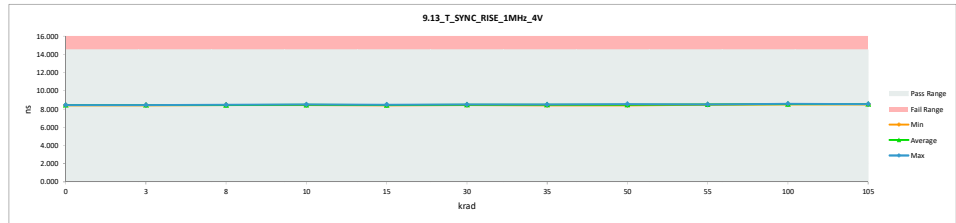
9.13_T_SYNC_RISE_1MHZ_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14.5 14.5
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.433	8.443	0.010
0	726	8.372	8.415	0.043
0	791	8.364	8.417	0.053
3	689	8.396	8.437	0.041
3	688	8.388	8.405	0.017
3	700	8.397	8.431	0.034
3	482	8.393	8.430	0.037
3	1033	8.382	8.422	0.058
8	442	8.399	8.446	0.047
8	699	8.401	8.450	0.049
8	344	8.363	8.421	0.058
8	355	8.374	8.436	0.062
8	790	8.445	8.457	0.012
10	537	8.407	8.447	0.040
10	396	8.363	8.455	0.092
10	521	8.381	8.434	0.053
10	535	8.413	8.455	0.042
10	526	8.396	8.488	0.092
15	940	8.394	8.473	0.079
15	387	8.441	8.434	-0.007
15	787	8.384	8.402	0.018
15	1042	8.381	8.436	0.055
15	483	8.389	8.453	0.064
30	597	8.399	8.472	0.073
30	853	8.356	8.428	0.072
30	416	8.385	8.491	0.106
30	949	8.385	8.468	0.083
30	221	8.401	8.481	0.080
35	538	8.383	8.486	0.103
35	164	8.396	8.453	0.057
35	1018	8.382	8.484	0.102
35	462	8.369	8.466	0.097
35	1032	8.373	8.415	0.042
50	566	8.404	8.485	0.081
50	197	8.323	8.411	0.088
50	793	8.379	8.491	0.112
50	802	8.359	8.494	0.135
50	61	8.440	8.536	0.096
55	795	8.392	8.475	0.083
55	921	8.389	8.497	0.108
55	741	8.415	8.486	0.071
55	809	8.392	8.468	0.076
55	804	8.410	8.507	0.097
100	449	8.387	8.554	0.167
100	541	8.376	8.545	0.169
100	476	8.383	8.558	0.175
100	45	8.339	8.510	0.171
100	642	8.399	8.567	0.168
105	1036	8.390	8.537	0.147
105	1038	8.329	8.545	0.216
105	203	8.377	8.496	0.119
105	1029	8.379	8.515	0.136
105	1027	8.385	8.525	0.140
105	Max	8.445	8.567	0.216
105	Average	8.387	8.470	0.083
105	Min	8.323	8.402	-0.007
105	Std Dev	0.024	0.043	0.048



9.13_T_SYNC_RISE_1MHZ_4V	
Test Site	
Tester	
Test Number	
Max Limit	14.5 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.415	8.405	8.421	8.434	8.402	8.428	8.415	8.411	8.468	8.510	8.496
Average	8.425	8.425	8.442	8.456	8.440	8.468	8.461	8.483	8.487	8.547	8.524
Max	8.443	8.437	8.457	8.488	8.473	8.491	8.486	8.536	8.507	8.567	8.545
UL	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500

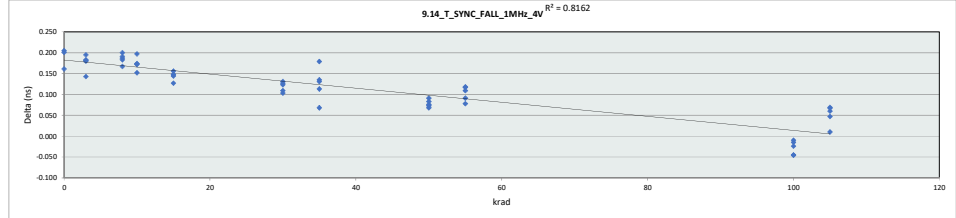


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

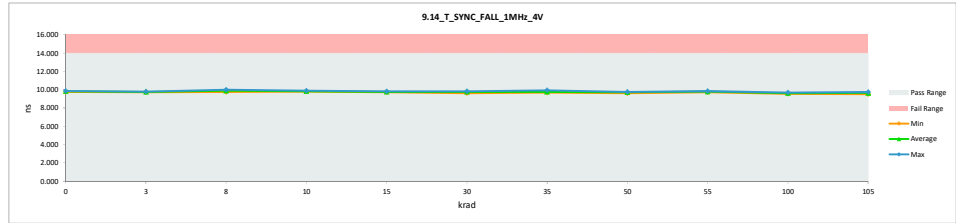
9.14_T_SYNC_FALL_1MHZ_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	9.654	9.859	0.205
0	726	9.634	9.835	0.201
0	791	9.603	9.764	0.161
3	689	9.612	9.793	0.181
3	688	9.600	9.783	0.183
3	700	9.579	9.722	0.143
3	482	9.568	9.763	0.195
3	1033	9.593	9.729	0.180
8	442	9.800	9.987	0.187
8	699	9.561	9.752	0.191
8	344	9.676	9.876	0.200
8	355	9.763	9.946	0.183
8	730	9.680	9.847	0.167
10	537	9.631	9.804	0.173
10	396	9.637	9.811	0.174
10	521	9.643	9.795	0.152
10	535	9.682	9.854	0.172
10	526	9.690	9.887	0.197
15	940	9.654	9.810	0.156
15	387	9.637	9.781	0.144
15	787	9.566	9.714	0.148
15	1042	9.591	9.718	0.127
15	483	9.586	9.733	0.147
30	597	9.654	9.757	0.103
30	853	9.502	9.625	0.123
30	416	9.695	9.826	0.131
30	949	9.674	9.783	0.109
30	221	9.650	9.777	0.127
35	538	9.617	9.752	0.135
35	164	9.563	9.694	0.131
35	1018	9.593	9.706	0.113
35	462	9.748	9.927	0.179
35	1032	9.602	9.670	0.068
50	566	9.641	9.732	0.091
50	197	9.534	9.610	0.076
50	793	9.652	9.735	0.083
50	802	9.683	9.756	0.073
50	61	9.664	9.732	0.068
55	795	9.618	9.736	0.118
55	921	9.664	9.781	0.117
55	741	9.649	9.727	0.078
55	809	9.756	9.847	0.091
55	804	9.662	9.771	0.109
100	449	9.696	9.681	-0.015
100	541	9.681	9.671	-0.010
100	476	9.618	9.594	-0.024
100	45	9.601	9.556	-0.045
100	642	9.653	9.607	-0.046
105	1036	9.609	9.669	0.060
105	1038	9.501	9.511	0.010
105	203	9.665	9.732	0.067
105	1029	9.531	9.578	0.047
105	1027	9.592	9.661	0.069
105	Max	9.800	9.987	0.205
105	Average	9.633	9.750	0.117
105	Min	9.501	9.511	-0.046
105	Std Dev	0.062	0.096	0.066



9.14_T_SYNC_FALL_1MHZ_4V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	9.764	9.722	9.752	9.795	9.714	9.625	9.670	9.610	9.727	9.556	9.511
Average	9.819	9.758	9.882	9.830	9.751	9.754	9.750	9.713	9.772	9.622	9.630
Max	9.859	9.793	9.987	9.887	9.810	9.826	9.927	9.756	9.847	9.681	9.732
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

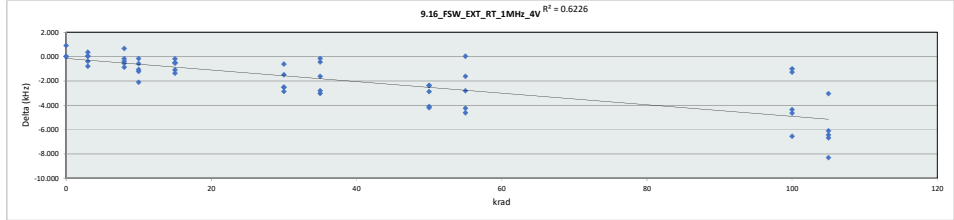


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

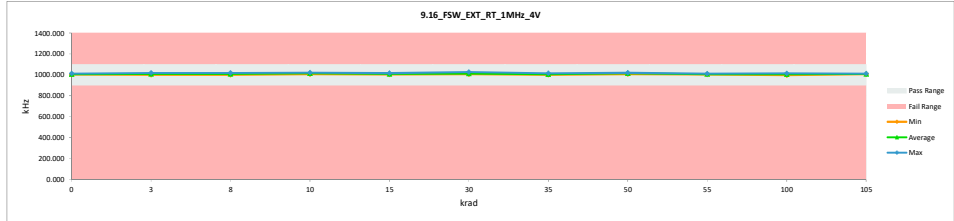
9.16_FSW_EXT_RT_1MHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	1100
Min Limit	900

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1000.994	1001.899	0.905
0	726	1008.872	1008.899	0.027
0	791	1012.715	1012.693	-0.022
3	689	1008.976	1008.989	0.013
3	688	1012.428	1012.489	0.061
3	700	1000.556	1000.905	0.349
3	482	1019.128	1018.732	-0.396
3	1033	1010.81	1009.384	-0.797
8	442	1018.907	1018.730	-0.177
8	699	1008.791	1007.919	-0.872
8	344	1013.764	1013.215	-0.549
8	355	1007.935	1008.599	0.664
8	790	1000.620	1000.255	-0.365
10	537	1005.471	1004.887	-0.584
10	396	1017.562	1016.336	-1.226
10	521	1022.820	1020.712	-2.108
10	535	1020.039	1018.972	-1.067
10	526	1010.612	1010.452	-0.160
15	940	1003.825	1003.305	-0.520
15	387	1017.237	1015.865	-1.372
15	787	1010.369	1010.177	-0.192
15	1042	1005.807	1004.711	-1.096
15	483	1011.082	1010.561	-0.521
30	597	1006.576	1005.079	-1.497
30	853	1026.949	1026.325	-0.624
30	416	1014.091	1011.573	-2.518
30	949	1014.620	1011.747	-2.873
30	221	1012.095	1009.564	-2.531
35	538	1017.905	1014.873	-3.032
35	164	1001.481	1001.326	-0.155
35	1018	1006.666	1006.222	-0.444
35	462	1000.773	999.153	-1.620
35	1032	1009.570	1006.759	-2.811
50	566	1015.467	1013.093	-2.374
50	197	1020.732	1017.856	-2.876
50	793	1024.234	1020.017	-4.217
50	802	1018.040	1014.938	-4.102
50	61	1009.170	1006.784	-2.386
55	795	1008.448	1003.824	-4.624
55	921	1006.023	1003.214	-2.809
55	741	1013.780	1009.531	-4.249
55	809	1012.944	1011.316	-1.628
55	804	1004.373	1004.392	0.019
100	449	996.472	995.465	-1.007
100	541	1011.269	1006.909	-4.360
100	476	1011.161	1004.614	-6.547
100	45	1018.717	1014.063	-4.654
100	642	1003.809	1002.521	-1.288
105	1036	1014.867	1011.824	-3.043
105	1038	1011.977	1005.870	-6.107
105	203	1018.212	1011.521	-6.691
105	1029	1015.534	1007.224	-8.310
105	1027	1014.881	1008.440	-6.441
105	Max	1026.949	1026.325	0.905
105	Average	1011.501	1009.504	-1.996
105	Min	996.472	995.465	-8.310
105	Std Dev	6.648	6.190	2.144



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000
Min	1001.899	1000.905	1000.255	1004.887	1003.305	1005.079	999.153	1006.784	1003.214	995.465	1005.870
Average	1007.830	1010.100	1009.744	1014.272	1008.924	1012.858	1005.667	1014.338	1006.455	1004.714	1008.976
Max	1012.693	1018.732	1018.730	1020.712	1015.865	1026.325	1014.873	1020.017	1011.316	1014.063	1011.824
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000

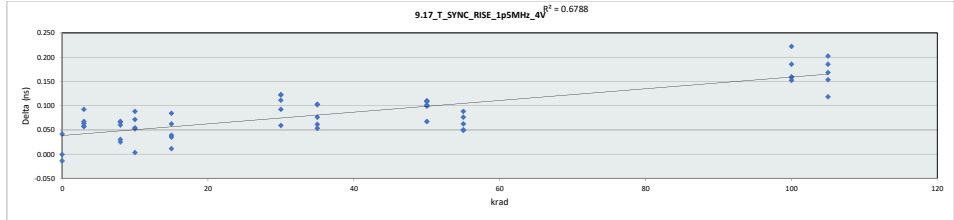


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

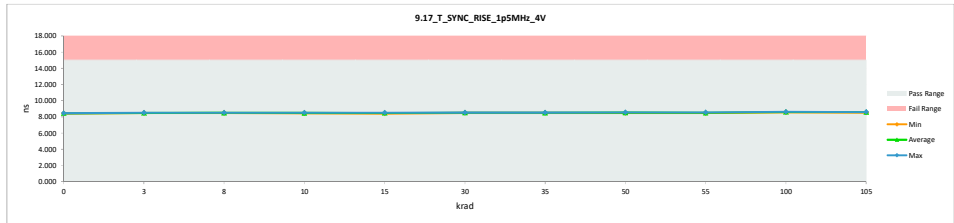
9.17_T_SYNC_RISE_1p5MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.440	8.426	-0.014
0	726	8.406	8.447	0.041
0	791	8.408	8.407	-0.001
3	689	8.401	8.458	0.057
3	688	8.399	8.466	0.067
3	700	8.388	8.480	0.092
3	482	8.436	8.493	0.057
3	1033	8.437	8.456	0.063
8	442	8.450	8.480	0.030
8	699	8.427	8.494	0.067
8	344	8.440	8.465	0.025
8	355	8.455	8.515	0.060
8	790	8.443	8.509	0.066
10	437	8.440	8.440	0.003
10	396	8.419	8.490	0.071
10	521	8.429	8.483	0.054
10	535	8.429	8.517	0.088
10	526	8.454	8.506	0.052
15	940	8.467	8.506	0.039
15	387	8.458	8.493	0.035
15	787	8.401	8.412	0.011
15	1042	8.375	8.459	0.084
15	483	8.440	8.502	0.062
30	597	8.409	8.520	0.111
30	853	8.429	8.488	0.059
30	416	8.410	8.532	0.122
30	949	8.406	8.528	0.122
30	221	8.421	8.513	0.092
35	538	8.440	8.493	0.053
35	164	8.405	8.507	0.102
35	1018	8.423	8.525	0.102
35	462	8.413	8.489	0.076
35	1032	8.417	8.478	0.061
50	566	8.454	8.553	0.099
50	197	8.363	8.473	0.110
50	793	8.433	8.541	0.108
50	802	8.429	8.530	0.101
50	61	8.483	8.550	0.067
55	795	8.408	8.458	0.050
55	921	8.446	8.508	0.062
55	741	8.450	8.499	0.049
55	809	8.418	8.506	0.088
55	804	8.460	8.536	0.076
100	449	8.420	8.605	0.185
100	541	8.424	8.576	0.152
100	476	8.387	8.609	0.222
100	45	8.400	8.558	0.158
100	642	8.439	8.598	0.159
105	1036	8.423	8.591	0.168
105	1038	8.396	8.598	0.202
105	203	8.393	8.578	0.185
105	1029	8.407	8.525	0.118
105	1027	8.421	8.574	0.153
105	Max	8.483	8.609	0.222
105	Average	8.423	8.508	0.085
105	Min	8.363	8.407	-0.014
105	Std Dev	0.024	0.048	0.052



9.17_T_SYNC_RISE_1p5MHz_4V	
Test Site	
Tester	
Test Number	
Max Limit	15 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.407	8.456	8.465	8.440	8.412	8.488	8.478	8.473	8.458	8.558	8.525
Average	8.427	8.471	8.493	8.487	8.474	8.516	8.498	8.529	8.501	8.589	8.573
Max	8.447	8.493	8.515	8.517	8.506	8.532	8.525	8.553	8.536	8.609	8.598
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000



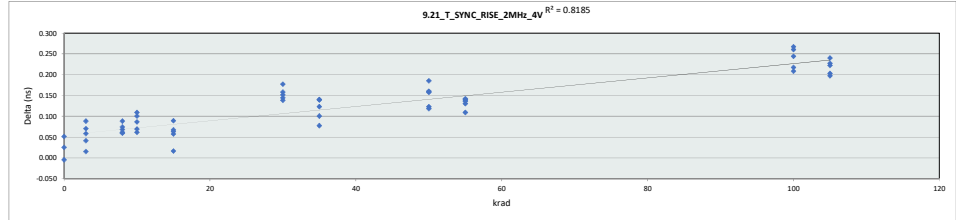


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

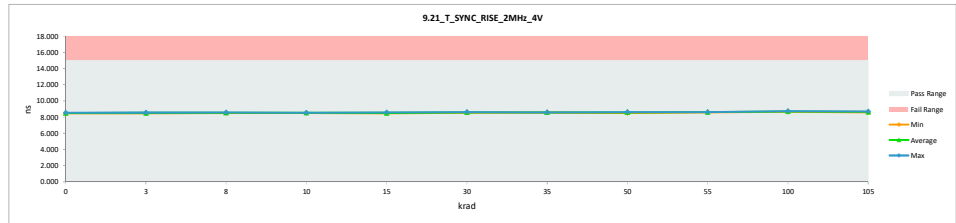
9.21_T_SYNC_RISE_2MHz_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	15 15
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.549	8.544	-0.005
0	726	8.435	8.460	0.025
0	791	8.416	8.467	0.051
3	689	8.441	8.511	0.070
3	688	8.433	8.474	0.041
3	700	8.495	8.510	0.015
3	482	8.453	8.511	0.058
3	1033	8.492	8.554	0.068
8	442	8.413	8.481	0.068
8	699	8.457	8.545	0.088
8	344	8.426	8.500	0.074
8	355	8.450	8.511	0.061
8	730	8.515	8.574	0.059
10	537	8.461	8.530	0.069
10	396	8.412	8.512	0.100
10	521	8.391	8.500	0.109
10	535	8.455	8.516	0.061
10	526	8.458	8.544	0.086
15	940	8.482	8.571	0.089
15	387	8.430	8.497	0.067
15	787	8.447	8.463	0.016
15	1042	8.453	8.516	0.063
15	483	8.479	8.536	0.057
30	597	8.476	8.627	0.151
30	853	8.368	8.526	0.158
30	416	8.420	8.558	0.138
30	949	8.383	8.560	0.177
30	221	8.450	8.594	0.144
35	538	8.434	8.574	0.140
35	164	8.444	8.583	0.139
35	1018	8.472	8.572	0.100
35	462	8.437	8.560	0.123
35	1032	8.473	8.550	0.077
50	566	8.479	8.597	0.118
50	197	8.366	8.489	0.123
50	793	8.427	8.587	0.160
50	802	8.429	8.586	0.157
50	61	8.441	8.626	0.185
55	795	8.448	8.578	0.130
55	921	8.481	8.620	0.139
55	741	8.471	8.613	0.142
55	809	8.464	8.573	0.109
55	804	8.473	8.609	0.136
100	449	8.507	8.724	0.217
100	541	8.438	8.646	0.208
100	476	8.412	8.679	0.267
100	45	8.379	8.639	0.260
100	642	8.488	8.732	0.244
105	1036	8.422	8.649	0.227
105	1038	8.466	8.688	0.222
105	203	8.389	8.586	0.197
105	1029	8.460	8.663	0.203
105	1027	8.426	8.666	0.240
105	Max	8.549	8.732	0.267
105	Average	8.446	8.568	0.122
105	Min	8.366	8.460	-0.005
105	Std Dev	0.036	0.066	0.068



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.460	8.474	8.481	8.500	8.463	8.526	8.550	8.489	8.573	8.639	8.586
Average	8.490	8.512	8.522	8.520	8.517	8.573	8.568	8.577	8.599	8.684	8.650
Max	8.544	8.554	8.574	8.544	8.571	8.627	8.583	8.626	8.620	8.732	8.688
UL	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000

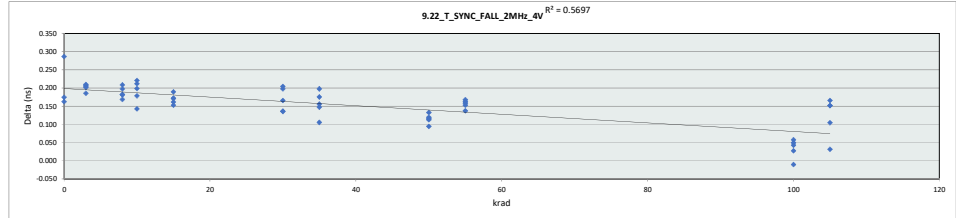


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

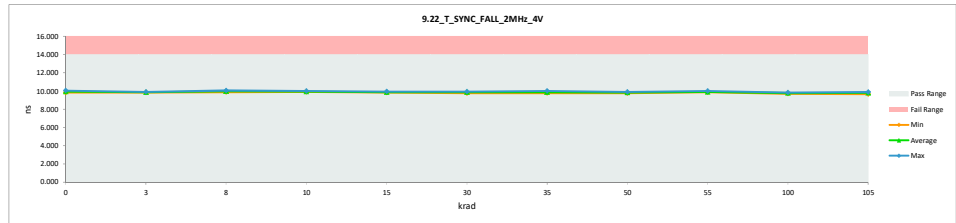
9.22_T_SYNC_FALL_2MHZ_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	9.768	10.054	0.286
0	726	9.746	9.920	0.174
0	791	9.664	9.826	0.162
3	689	9.689	9.896	0.207
3	688	9.674	9.883	0.209
3	700	9.666	9.870	0.204
3	482	9.644	9.829	0.185
3	1033	9.695	9.846	0.201
8	442	9.878	10.059	0.181
8	699	9.688	9.885	0.197
8	344	9.807	9.975	0.168
8	355	9.822	10.003	0.181
8	730	9.718	9.926	0.208
10	537	9.689	9.919	0.220
10	396	9.717	9.915	0.198
10	521	9.758	9.900	0.142
10	535	9.805	9.983	0.178
10	526	9.786	9.997	0.211
15	540	9.782	9.953	0.171
15	387	9.739	9.900	0.161
15	787	9.652	9.823	0.171
15	1042	9.690	9.842	0.152
15	483	9.656	9.845	0.189
30	597	9.754	9.889	0.135
30	853	9.615	9.751	0.136
30	416	9.731	9.935	0.204
30	949	9.719	9.916	0.197
30	221	9.747	9.912	0.165
35	538	9.681	9.878	0.197
35	164	9.637	9.784	0.147
35	1018	9.694	9.849	0.155
35	462	9.834	10.009	0.175
35	1032	9.740	9.845	0.105
50	566	9.730	9.842	0.112
50	197	9.630	9.749	0.119
50	793	9.770	9.864	0.094
50	802	9.770	9.902	0.132
50	61	9.755	9.870	0.115
55	795	9.712	9.870	0.158
55	921	9.774	9.926	0.152
55	741	9.705	9.867	0.162
55	809	9.871	10.008	0.137
55	804	9.735	9.902	0.167
100	449	9.791	9.833	0.042
100	541	9.773	9.822	0.049
100	476	9.694	9.751	0.057
100	45	9.671	9.698	0.027
100	642	9.794	9.783	-0.011
105	1036	9.672	9.837	0.165
105	1038	9.620	9.651	0.031
105	203	9.780	9.884	0.104
105	1029	9.591	9.742	0.151
105	1027	9.680	9.831	0.151
105	Max	9.878	10.059	0.286
105	Average	9.724	9.876	0.153
105	Min	9.591	9.651	-0.011
105	Std Dev	0.065	0.084	0.056



9.22_T_SYNC_FALL_2MHZ_4V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	9.826	9.829	9.885	9.900	9.823	9.751	9.784	9.749	9.867	9.698	9.651
Average	9.933	9.865	9.970	9.943	9.873	9.881	9.873	9.845	9.915	9.777	9.789
Max	10.054	9.896	10.059	9.997	9.953	9.935	10.009	9.902	10.008	9.833	9.884
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

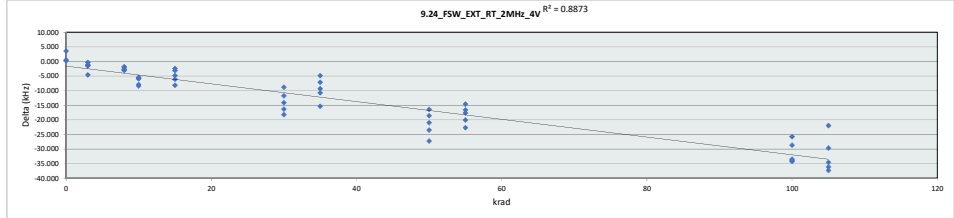


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

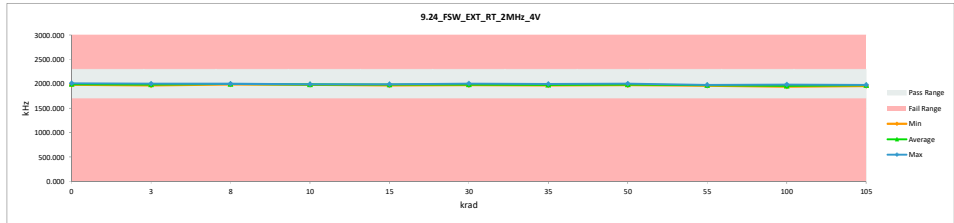
9.24_FSW_EXT_RT_2MHz_4V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	2300
Min Limit	1700

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1973.779	1977.328	3.549
0	726	1996.357	1996.832	0.475
0	791	2010.729	2010.884	0.155
3	689	1981.007	1980.666	-0.341
3	688	1996.605	1995.217	-1.388
3	700	1968.405	1967.283	-1.122
3	482	2004.065	2002.531	-1.534
3	1033	1991.234	1986.761	-4.473
8	442	2001.904	1998.928	-2.976
8	699	1987.340	1985.359	-1.981
8	344	1995.396	1992.735	-2.661
8	355	2000.222	1997.175	-3.047
8	750	2001.730	1999.878	-1.852
10	437	1982.042	1984.115	-7.927
10	396	1998.978	1993.216	-5.762
10	521	2001.489	1993.116	-8.373
10	535	1996.662	1990.696	-5.966
10	526	1983.184	1977.686	-5.498
15	940	1970.955	1967.812	-3.143
15	387	2000.386	1994.248	-6.138
15	787	1995.674	1993.229	-2.445
15	1042	1975.474	1970.620	-4.854
15	483	1999.976	1991.790	-8.186
30	597	1982.774	1973.919	-8.855
30	853	2017.169	2005.366	-11.803
30	416	2012.830	1994.563	-18.267
30	949	2009.858	1993.498	-16.360
30	221	1985.017	1970.866	-14.151
35	538	1996.322	1980.946	-15.376
35	164	2002.972	1995.850	-7.122
35	1018	1980.234	1969.435	-10.799
35	462	1984.667	1979.750	-4.917
35	1032	1976.827	1967.449	-9.378
50	566	1996.707	1980.236	-16.471
50	197	2021.768	2003.167	-18.601
50	793	2022.702	1995.418	-27.284
50	802	2001.896	1980.885	-21.011
50	61	1991.880	1968.350	-23.530
55	795	1990.383	1973.770	-16.613
55	921	1981.595	1963.957	-17.638
55	741	2000.654	1977.927	-22.727
55	809	1973.846	1959.196	-14.650
55	804	1985.163	1965.055	-20.108
100	449	1980.731	1946.443	-34.288
100	541	1992.408	1963.670	-28.738
100	476	1988.253	1954.285	-33.968
100	45	2010.965	1985.177	-25.788
100	642	1975.236	1941.719	-33.517
105	1036	2008.475	1972.304	-36.171
105	1038	1975.909	1953.923	-21.986
105	203	2016.590	1979.220	-37.370
105	1029	2004.516	1974.843	-29.673
105	1027	1996.637	1962.019	-34.618
105	Max	2022.702	2010.884	3.549
	Average	1994.127	1980.779	-13.348
	Min	1968.405	1941.719	-37.370
	Std Dev	13.438	15.701	11.462



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000
Min	1977.328	1967.283	1985.359	1977.686	1967.812	1970.866	1967.449	1968.350	1959.196	1941.719	1953.923
Average	1995.015	1986.492	1994.815	1987.766	1983.540	1987.642	1978.686	1985.611	1967.981	1958.259	1968.462
Max	2010.884	2002.531	1999.878	1993.216	1994.248	2005.366	1995.850	2003.167	1977.927	1985.177	1979.220
UL	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000

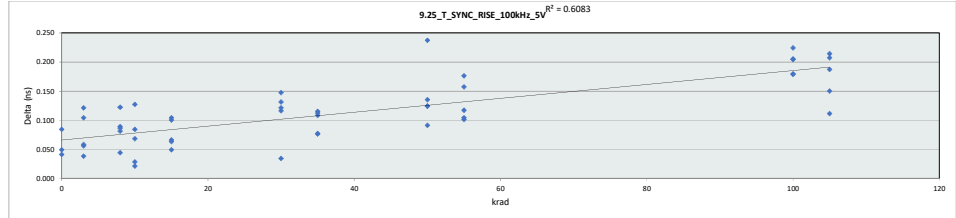


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

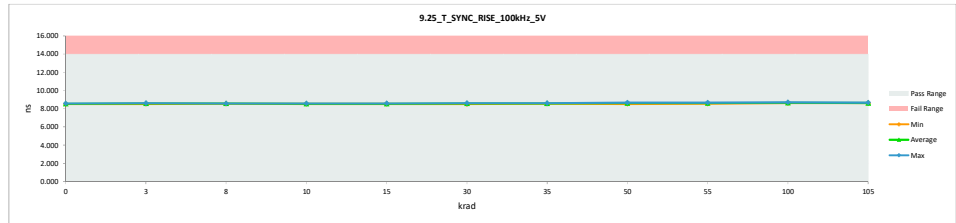
9.25_T_SYNC_RISE_100kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.536	8.577	0.041
0	726	8.462	8.511	0.049
0	791	8.429	8.513	0.084
3	689	8.513	8.551	0.038
3	688	8.507	8.563	0.056
3	700	8.476	8.580	0.104
3	482	8.489	8.610	0.121
3	1033	8.466	8.524	0.058
8	442	8.478	8.564	0.086
8	699	8.484	8.565	0.081
8	344	8.451	8.540	0.089
8	355	8.513	8.557	0.044
8	790	8.456	8.578	0.122
10	537	8.517	8.533	0.021
10	396	8.467	8.551	0.084
10	521	8.450	8.577	0.127
10	535	8.513	8.541	0.028
10	526	8.517	8.585	0.068
15	940	8.473	8.573	0.100
15	387	8.518	8.567	0.049
15	787	8.456	8.522	0.066
15	1042	8.463	8.526	0.063
15	483	8.487	8.591	0.104
30	597	8.459	8.580	0.121
30	853	8.462	8.496	0.034
30	416	8.442	8.558	0.116
30	949	8.432	8.579	0.147
30	221	8.481	8.612	0.131
35	538	8.476	8.584	0.108
35	164	8.461	8.576	0.115
35	1018	8.464	8.541	0.077
35	462	8.489	8.601	0.112
35	1032	8.477	8.553	0.076
50	566	8.473	8.608	0.135
50	197	8.439	8.530	0.091
50	793	8.463	8.587	0.124
50	802	8.394	8.631	0.237
50	61	8.544	8.668	0.124
55	795	8.462	8.579	0.117
55	921	8.492	8.668	0.176
55	741	8.475	8.576	0.101
55	809	8.445	8.549	0.104
55	804	8.504	8.661	0.157
100	449	8.490	8.669	0.179
100	541	8.446	8.651	0.205
100	476	8.451	8.655	0.204
100	45	8.443	8.622	0.179
100	642	8.481	8.705	0.224
105	1036	8.454	8.641	0.187
105	1038	8.422	8.629	0.207
105	203	8.491	8.602	0.111
105	1029	8.455	8.605	0.150
105	1027	8.455	8.669	0.214
105	Max	8.544	8.705	0.237
105	Average	8.472	8.585	0.112
105	Min	8.394	8.496	0.021
105	Std Dev	0.029	0.048	0.054



9.25_T_SYNC_RISE_100kHz_5	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.511	8.524	8.540	8.533	8.522	8.496	8.541	8.530	8.549	8.622	8.602
Average	8.534	8.566	8.561	8.557	8.556	8.565	8.571	8.605	8.607	8.660	8.629
Max	8.577	8.610	8.578	8.585	8.591	8.612	8.601	8.668	8.668	8.705	8.669
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

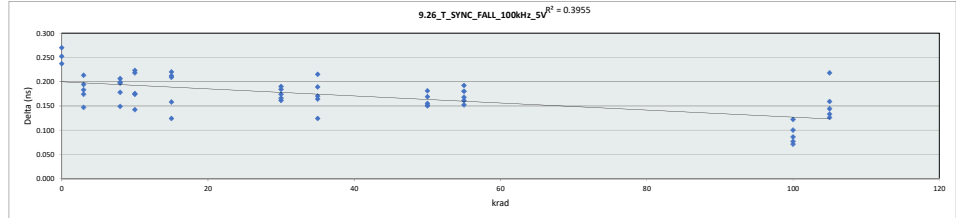


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

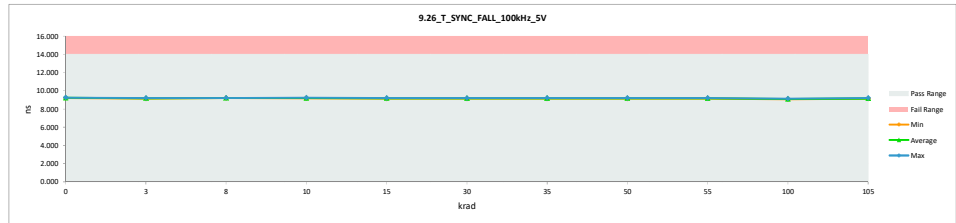
9.26_T_SYNC_FALL_100kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.999	9.251	0.252
0	726	8.980	9.217	0.237
0	791	8.946	9.216	0.270
3	689	8.999	9.182	0.183
3	688	8.984	9.197	0.213
3	700	8.996	9.143	0.147
3	482	8.975	9.149	0.174
3	1033	9.083	9.177	0.194
8	442	9.016	9.222	0.206
8	699	9.001	9.198	0.197
8	344	9.035	9.184	0.149
8	355	9.042	9.220	0.178
8	730	8.986	9.185	0.199
10	537	9.021	9.196	0.175
10	396	9.017	9.191	0.174
10	521	9.025	9.167	0.142
10	535	8.973	9.196	0.223
10	526	9.010	9.228	0.218
15	540	8.978	9.187	0.209
15	387	8.974	9.186	0.212
15	787	8.981	9.201	0.220
15	1042	9.003	9.127	0.124
15	483	8.985	9.143	0.158
30	597	9.004	9.165	0.161
30	853	8.963	9.137	0.174
30	416	9.007	9.191	0.184
30	949	8.999	9.189	0.190
30	221	9.009	9.175	0.166
35	538	8.989	9.178	0.189
35	164	9.008	9.172	0.164
35	1018	9.007	9.131	0.124
35	462	9.008	9.178	0.170
35	1032	8.990	9.205	0.215
50	566	8.991	9.172	0.181
50	197	9.004	9.159	0.155
50	793	8.987	9.138	0.151
50	802	9.007	9.176	0.169
50	61	9.051	9.201	0.150
55	795	9.017	9.178	0.161
55	921	9.014	9.182	0.168
55	741	8.968	9.148	0.180
55	809	9.012	9.164	0.152
55	804	9.011	9.203	0.192
100	449	9.034	9.111	0.077
100	541	9.026	9.112	0.086
100	476	9.012	9.112	0.100
100	45	9.003	9.125	0.122
100	642	8.996	9.067	0.071
105	1036	9.019	9.145	0.126
105	1038	8.987	9.131	0.144
105	203	9.028	9.161	0.133
105	1029	8.982	9.141	0.159
105	1027	8.983	9.201	0.218
105	Max	9.051	9.251	0.270
105	Average	9.000	9.172	0.171
105	Min	8.946	9.067	0.071
105	Std Dev	0.021	0.035	0.041



9.26_T_SYNC_FALL_100kHz_5	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	9.216	9.143	9.184	9.167	9.127	9.137	9.131	9.138	9.148	9.067	9.131
Average	9.228	9.170	9.202	9.196	9.169	9.171	9.173	9.169	9.175	9.105	9.156
Max	9.251	9.197	9.222	9.228	9.201	9.191	9.205	9.201	9.203	9.125	9.201
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

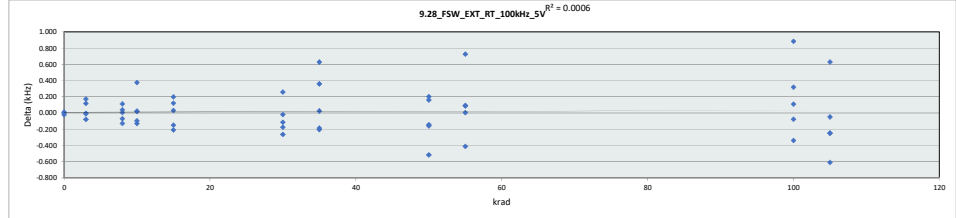


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

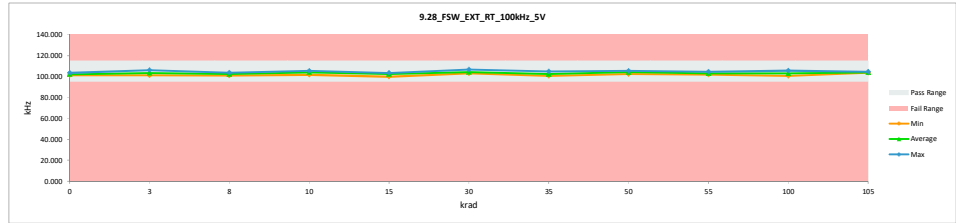
9.28_FSW_EXT_RT_100kHz_5V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
115	95
115	95

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	101.437	101.437	0.000
0	726	101.614	101.624	0.010
0	791	103.557	103.534	-0.023
3	689	102.608	102.602	-0.006
3	688	103.891	103.881	-0.010
3	700	101.019	101.191	0.172
3	482	106.035	106.152	0.117
3	1033	103.544	103.374	-0.080
8	442	103.764	103.803	0.039
8	699	103.212	103.141	-0.071
8	344	102.621	102.626	0.005
8	355	101.851	101.962	0.111
8	790	101.207	101.077	-0.130
10	437	101.663	101.686	0.023
10	396	103.695	103.597	-0.098
10	521	105.187	105.056	-0.131
10	535	105.450	105.466	0.016
10	526	103.966	104.340	0.374
15	940	103.081	103.278	0.197
15	387	103.087	102.877	-0.210
15	787	102.852	102.881	0.029
15	1042	100.034	99.882	-0.152
15	483	103.383	103.503	0.120
30	597	103.248	103.133	-0.115
30	853	106.468	106.725	0.257
30	416	103.969	103.793	-0.176
30	949	104.503	104.237	-0.266
30	221	103.648	103.628	-0.020
35	538	105.120	104.932	-0.188
35	164	102.125	102.752	0.627
35	1018	101.739	102.097	0.358
35	462	100.710	100.734	0.024
35	1032	102.395	102.189	-0.206
50	566	104.209	104.368	0.159
50	197	105.319	105.520	0.201
50	793	105.528	105.368	-0.160
50	802	104.044	103.526	-0.518
50	61	102.559	102.414	-0.145
55	795	102.401	101.988	-0.413
55	921	102.489	102.493	0.004
55	741	104.607	104.698	0.091
55	809	103.909	103.995	0.086
55	804	101.472	102.197	0.725
100	449	100.429	100.747	0.318
100	541	102.857	102.779	-0.078
100	476	103.480	103.140	-0.340
100	45	105.616	105.725	0.109
100	642	102.989	103.871	0.882
105	1036	103.909	104.537	0.628
105	1038	103.690	103.641	-0.049
105	203	104.558	104.310	-0.248
105	1029	105.128	104.518	-0.610
105	1027	103.875	103.624	-0.251
105	Max	106.468	106.725	0.882
105	Average	103.314	103.333	0.019
105	Min	100.034	99.882	-0.610
105	Std Dev	1.479	1.458	0.282



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000
Min	101.437	101.191	101.077	101.686	99.882	103.133	100.734	102.414	101.988	100.747	103.624
Average	102.198	103.440	102.522	104.029	102.484	104.303	102.541	104.239	103.074	103.252	104.126
Max	103.534	106.152	103.803	105.466	103.503	106.725	104.932	105.520	104.698	105.725	104.537
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000

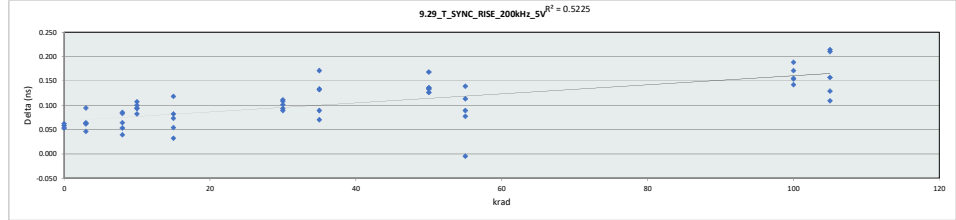


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

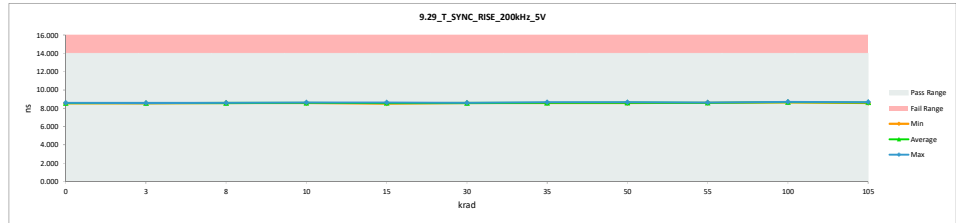
9.29_T_SYNC_RISE_200kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.532	8.590	0.058
0	726	8.494	8.547	0.053
0	791	8.446	8.508	0.062
3	689	8.482	8.576	0.094
3	688	8.472	8.518	0.046
3	700	8.479	8.541	0.062
3	482	8.507	8.569	0.062
3	1033	8.469	8.533	0.064
8	442	8.499	8.563	0.064
8	699	8.489	8.572	0.083
8	344	8.469	8.554	0.085
8	355	8.533	8.586	0.053
8	790	8.535	8.574	0.039
10	537	8.478	8.572	0.094
10	396	8.447	8.547	0.100
10	521	8.482	8.564	0.082
10	535	8.487	8.594	0.107
10	526	8.526	8.619	0.093
15	940	8.494	8.567	0.073
15	387	8.501	8.619	0.118
15	787	8.471	8.503	0.032
15	1042	8.483	8.537	0.054
15	483	8.486	8.568	0.082
30	597	8.485	8.586	0.101
30	853	8.428	8.539	0.111
30	416	8.474	8.567	0.093
30	949	8.472	8.580	0.108
30	221	8.497	8.586	0.089
35	538	8.472	8.643	0.171
35	164	8.464	8.553	0.089
35	1018	8.505	8.575	0.070
35	462	8.478	8.610	0.132
35	1032	8.420	8.553	0.133
50	566	8.492	8.628	0.136
50	197	8.421	8.554	0.133
50	793	8.480	8.648	0.168
50	802	8.461	8.587	0.126
50	61	8.498	8.633	0.135
55	795	8.509	8.586	0.077
55	921	8.586	8.581	-0.005
55	741	8.480	8.593	0.113
55	809	8.496	8.585	0.089
55	804	8.485	8.624	0.139
100	449	8.511	8.682	0.171
100	541	8.487	8.641	0.154
100	476	8.453	8.641	0.188
100	45	8.484	8.639	0.155
100	642	8.520	8.662	0.142
105	1036	8.463	8.677	0.214
105	1038	8.426	8.636	0.210
105	203	8.463	8.572	0.109
105	1029	8.492	8.621	0.129
105	1027	8.469	8.626	0.157
105	Max	8.586	8.682	0.214
105	Average	8.484	8.587	0.104
105	Min	8.420	8.503	-0.005
105	Std Dev	0.030	0.042	0.046



9.29_T_SYNC_RISE_200kHz_5	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.508	8.518	8.554	8.547	8.503	8.539	8.553	8.554	8.581	8.639	8.572
Average	8.548	8.547	8.570	8.579	8.559	8.572	8.587	8.610	8.594	8.653	8.626
Max	8.590	8.576	8.586	8.619	8.619	8.586	8.643	8.648	8.624	8.682	8.677
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

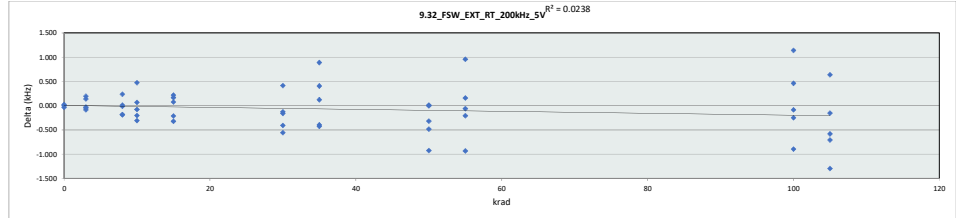


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

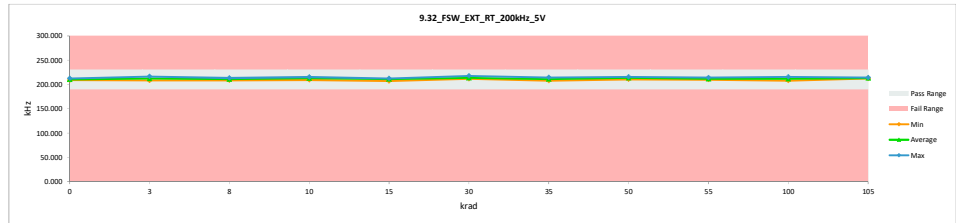
9.32_FSW_EXT_RT_200kHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	230
Min Limit	190

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	208.886	208.849	-0.037
0	726	209.563	209.562	-0.001
0	791	212.433	212.457	0.024
3	689	210.919	210.872	-0.047
3	688	212.379	212.349	-0.030
3	700	207.891	208.085	0.194
3	482	216.229	216.367	0.138
3	1033	212.613	212.076	-0.087
8	442	213.220	213.230	0.010
8	699	211.323	211.138	-0.185
8	344	211.485	211.471	-0.014
8	355	209.994	210.230	0.236
8	790	208.712	208.522	-0.190
10	437	209.337	209.394	0.067
10	396	212.894	212.690	-0.204
10	521	215.338	215.028	-0.310
10	535	215.358	215.278	-0.080
10	526	212.667	213.139	0.472
15	940	210.983	211.199	0.216
15	387	212.208	211.885	-0.323
15	787	211.239	211.312	0.073
15	1042	207.450	207.237	-0.213
15	483	212.139	212.304	0.165
30	597	211.596	211.467	-0.129
30	853	217.234	217.647	0.413
30	416	213.251	212.841	-0.410
30	949	213.648	213.090	-0.558
30	221	212.461	212.300	-0.161
35	538	214.924	214.527	-0.397
35	164	209.995	210.883	0.888
35	1018	209.706	210.109	0.403
35	462	207.499	207.620	0.121
35	1032	210.801	210.376	-0.425
50	566	213.391	213.388	-0.003
50	197	215.397	215.407	0.010
50	793	215.852	215.367	-0.485
50	802	213.462	212.536	-0.926
50	61	210.809	210.491	-0.318
55	795	210.701	209.768	-0.933
55	921	210.444	210.382	-0.062
55	741	214.065	213.856	-0.209
55	809	212.878	213.034	0.156
55	804	209.290	210.246	0.956
100	449	207.343	207.804	0.461
100	541	211.497	211.246	-0.251
100	476	212.284	211.388	-0.896
100	45	215.498	215.411	-0.087
100	642	210.948	212.086	1.138
105	1036	213.350	213.986	0.636
105	1038	212.482	212.326	-0.156
105	203	214.366	213.656	-0.710
105	1029	214.803	213.506	-1.297
105	1027	212.856	212.273	-0.583
105		217.234	217.647	1.158
	Max			
	Average	212.031	211.956	-0.074
	Min	207.343	207.237	-1.297
	Std Dev	2.376	2.283	0.458



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000
Min	208.849	208.085	208.522	209.394	207.237	211.467	207.620	210.491	209.768	207.804	212.273
Average	210.289	211.950	210.918	213.106	210.787	213.469	210.703	213.438	211.457	211.587	213.149
Max	212.457	216.367	213.230	215.278	212.304	217.647	214.527	215.407	213.856	215.411	213.986
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000



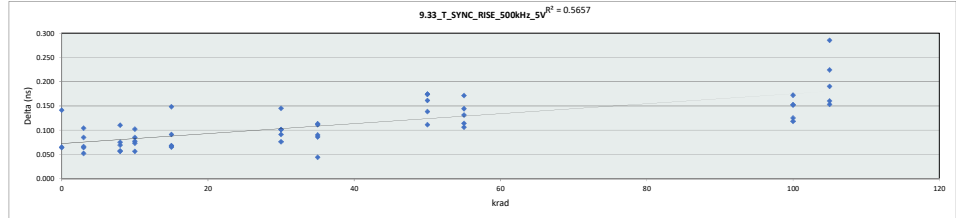


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

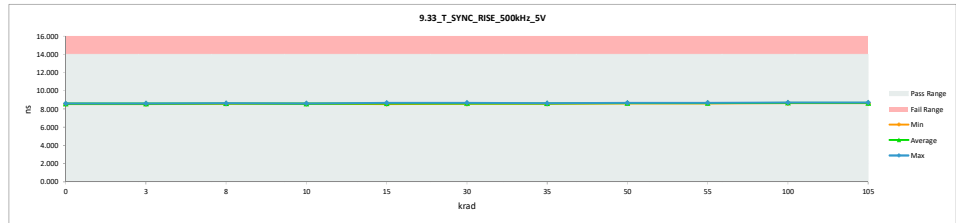
9.33_T_SYNC_RISE_500kHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	8.529	8.593	0.064
0	726	8.492	8.557	0.065
0	791	8.465	8.606	0.141
3	689	8.530	8.594	0.064
3	688	8.496	8.548	0.052
3	700	8.507	8.611	0.104
3	482	8.536	8.602	0.066
3	1033	8.504	8.589	0.085
8	442	8.469	8.579	0.110
8	699	8.539	8.608	0.069
8	344	8.554	8.611	0.057
8	355	8.518	8.574	0.056
8	790	8.551	8.626	0.075
10	537	8.485	8.562	0.077
10	396	8.503	8.559	0.056
10	521	8.476	8.578	0.102
10	535	8.527	8.612	0.085
10	526	8.548	8.621	0.073
15	940	8.526	8.594	0.068
15	387	8.516	8.664	0.148
15	787	8.486	8.551	0.065
15	1042	8.489	8.556	0.067
15	483	8.532	8.623	0.091
30	597	8.529	8.620	0.091
30	853	8.494	8.570	0.076
30	416	8.503	8.604	0.101
30	949	8.483	8.584	0.101
30	221	8.534	8.679	0.145
35	538	8.518	8.604	0.086
35	164	8.497	8.610	0.113
35	1018	8.503	8.593	0.090
35	462	8.515	8.626	0.111
35	1032	8.526	8.570	0.044
50	566	8.488	8.662	0.174
50	197	8.438	8.599	0.161
50	793	8.510	8.648	0.138
50	802	8.486	8.660	0.174
50	61	8.557	8.668	0.111
55	795	8.503	8.617	0.114
55	921	8.521	8.652	0.131
55	741	8.532	8.676	0.144
55	809	8.464	8.635	0.171
55	804	8.545	8.651	0.106
100	449	8.549	8.701	0.152
100	541	8.547	8.665	0.118
100	476	8.532	8.684	0.152
100	45	8.509	8.634	0.125
100	642	8.530	8.702	0.172
105	1036	8.477	8.630	0.153
105	1038	8.406	8.691	0.285
105	203	8.477	8.637	0.160
105	1029	8.488	8.678	0.190
105	1027	8.478	8.702	0.224
105	Max	8.557	8.702	0.285
105	Average	8.508	8.620	0.112
105	Min	8.406	8.548	0.044
105	Std Dev	0.031	0.043	0.048



9.33_T_SYNC_RISE_500kHz_5	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.557	8.548	8.574	8.559	8.551	8.570	8.570	8.599	8.617	8.634	8.630
Average	8.505	8.589	8.600	8.586	8.598	8.611	8.601	8.647	8.646	8.677	8.668
Max	8.606	8.611	8.626	8.621	8.664	8.679	8.626	8.668	8.676	8.702	8.702
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

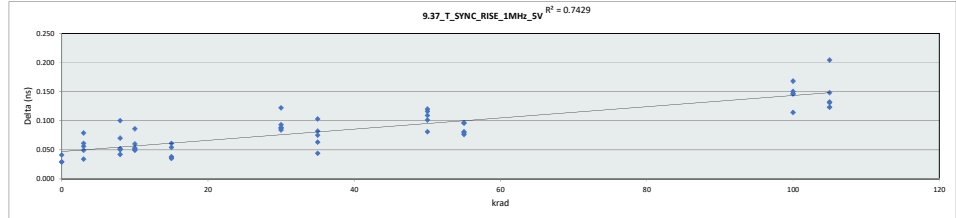


HDR TID Report  
TPS7H5004-SP QMLP

krad (SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

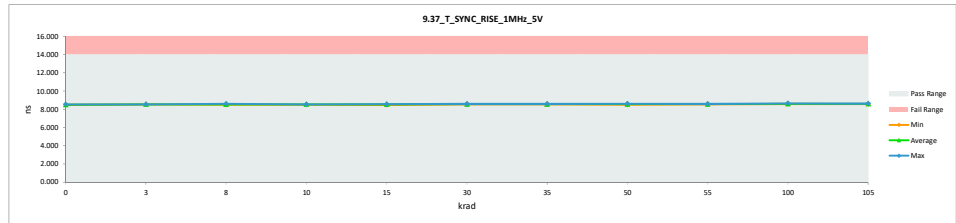
9.37_T_SYNC_RISE_1MHZ_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.508	8.537	0.029
0	726	8.469	8.498	0.029
0	791	8.436	8.477	0.041
3	689	8.485	8.546	0.061
3	688	8.444	8.523	0.079
3	700	8.477	8.526	0.049
3	482	8.486	8.520	0.034
3	1033	8.478	8.514	0.036
8	442	8.480	8.532	0.052
8	699	8.476	8.546	0.070
8	344	8.452	8.502	0.050
8	355	8.488	8.530	0.042
8	730	8.493	8.593	0.100
10	537	8.491	8.540	0.049
10	396	8.447	8.533	0.086
10	521	8.455	8.508	0.053
10	535	8.473	8.524	0.051
10	526	8.470	8.530	0.060
15	940	8.490	8.551	0.061
15	387	8.489	8.527	0.038
15	787	8.455	8.492	0.037
15	1042	8.449	8.484	0.035
15	483	8.472	8.526	0.054
30	597	8.488	8.581	0.093
30	853	8.452	8.536	0.084
30	416	8.465	8.552	0.087
30	949	8.442	8.564	0.122
30	221	8.481	8.569	0.088
35	538	8.455	8.537	0.082
35	164	8.473	8.548	0.075
35	1018	8.478	8.581	0.103
35	462	8.529	8.573	0.044
35	1032	8.466	8.529	0.063
50	566	8.479	8.595	0.116
50	197	8.399	8.508	0.109
50	793	8.486	8.567	0.081
50	802	8.493	8.555	0.120
50	61	8.504	8.605	0.101
55	795	8.488	8.564	0.076
55	921	8.473	8.569	0.096
55	741	8.480	8.576	0.096
55	809	8.468	8.549	0.081
55	804	8.503	8.582	0.079
100	449	8.492	8.642	0.150
100	541	8.471	8.585	0.114
100	476	8.460	8.606	0.146
100	45	8.418	8.586	0.168
100	642	8.484	8.630	0.146
105	1036	8.472	8.603	0.131
105	1038	8.419	8.623	0.204
105	203	8.436	8.568	0.132
105	1029	8.445	8.593	0.148
105	1027	8.471	8.594	0.123
105	Max	8.529	8.642	0.204
105	Average	8.469	8.553	0.084
105	Min	8.399	8.477	0.029
105	Std Dev	0.024	0.038	0.040



9.37_T_SYNC_RISE_1MHZ_5V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.477	8.514	8.502	8.508	8.484	8.536	8.529	8.508	8.549	8.585	8.568
Average	8.504	8.526	8.541	8.527	8.516	8.560	8.554	8.566	8.568	8.610	8.596
Max	8.537	8.546	8.593	8.540	8.551	8.581	8.581	8.605	8.582	8.642	8.623
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

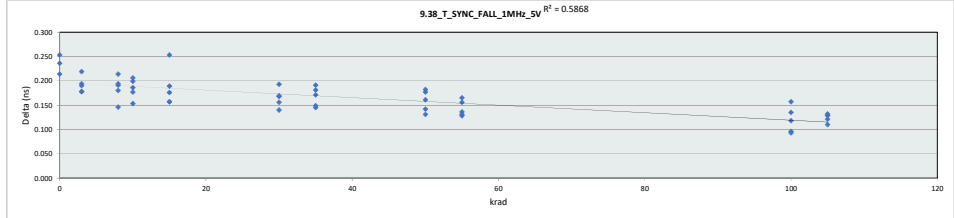


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

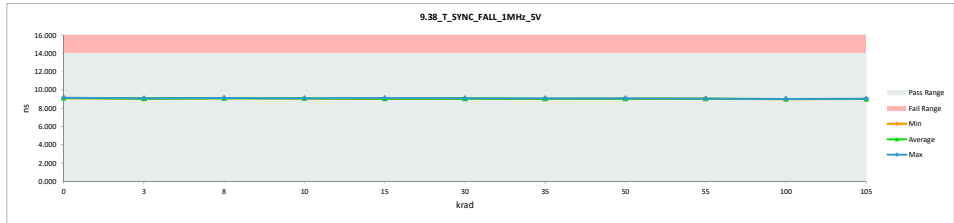
9.38_T_SYNC_FALL_1MHZ_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.901	9.154	0.253
0	726	8.870	9.106	0.236
0	791	8.863	9.077	0.214
3	689	8.884	9.078	0.194
3	688	8.864	9.083	0.219
3	700	8.881	9.059	0.178
3	482	8.860	9.050	0.190
3	1033	8.894	9.062	0.178
8	442	8.937	9.117	0.180
8	699	8.887	9.078	0.191
8	344	8.894	9.108	0.214
8	355	8.915	9.109	0.194
8	730	8.929	9.075	0.146
10	537	8.894	9.080	0.186
10	396	8.881	9.087	0.206
10	521	8.893	9.046	0.153
10	535	8.889	9.066	0.177
10	526	8.886	9.085	0.199
15	540	8.883	9.072	0.189
15	387	8.888	9.045	0.157
15	787	8.855	9.108	0.253
15	1042	8.869	9.026	0.157
15	483	8.865	9.041	0.176
30	597	8.898	9.054	0.156
30	853	8.863	9.056	0.193
30	416	8.907	9.076	0.169
30	949	8.899	9.067	0.168
30	221	8.904	9.044	0.140
35	538	8.875	9.046	0.171
35	164	8.905	9.050	0.145
35	1018	8.868	9.017	0.149
35	462	8.889	9.080	0.191
35	1032	8.881	9.062	0.181
50	566	8.900	9.031	0.131
50	197	8.867	9.049	0.182
50	793	8.892	9.069	0.177
50	802	8.913	9.055	0.142
50	61	8.896	9.057	0.161
55	795	8.902	9.033	0.131
55	921	8.893	9.049	0.156
55	741	8.900	9.036	0.136
55	809	8.916	9.044	0.128
55	804	8.888	9.053	0.165
100	449	8.907	9.025	0.118
100	541	8.922	9.015	0.093
100	476	8.889	9.024	0.135
100	45	8.868	9.025	0.157
100	642	8.894	8.990	0.096
105	1036	8.880	9.009	0.129
105	1038	8.880	9.001	0.121
105	203	8.923	9.033	0.110
105	1029	8.889	9.018	0.129
105	1027	8.891	9.023	0.132
105	Max	8.937	9.154	0.253
105	Average	8.890	9.057	0.167
105	Min	8.855	8.990	0.093
105	Std Dev	0.018	0.032	0.036



9.38_T_SYNC_FALL_1MHZ_5V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	9.077	9.050	9.075	9.046	9.026	9.044	9.017	9.031	9.033	8.990	9.001
Average	9.112	9.066	9.097	9.073	9.058	9.059	9.051	9.052	9.043	9.016	9.017
Max	9.154	9.083	9.117	9.087	9.108	9.076	9.080	9.069	9.053	9.025	9.033
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

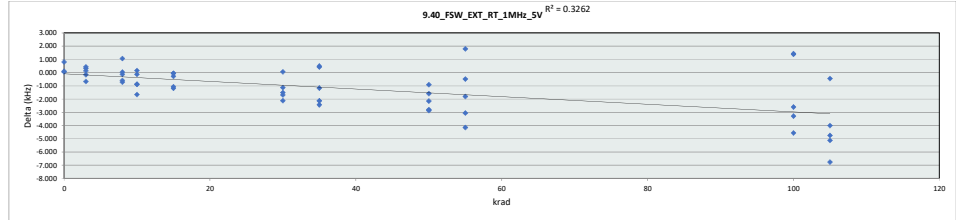


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

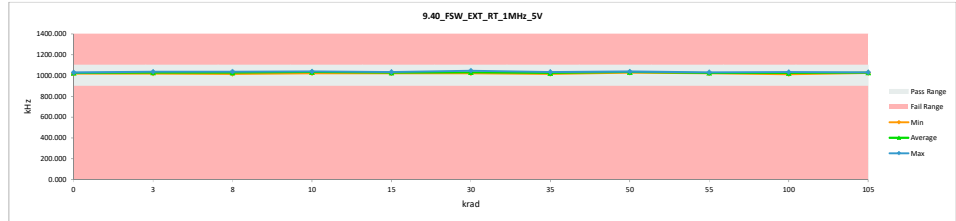
9.40_FSW_EXT_RT_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	1100
Min Limit	900

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1017.855	1018.650	0.795
0	726	1025.529	1025.631	0.102
0	791	1028.749	1028.797	0.048
3	689	1026.433	1026.562	0.129
3	688	1029.074	1029.383	0.309
3	700	1018.357	1018.782	0.425
3	482	1036.346	1036.184	-0.162
3	1033	1027.905	1026.922	-0.983
8	442	1036.453	1036.487	0.034
8	699	1026.421	1025.698	-0.723
8	344	1031.330	1030.731	-0.599
8	355	1024.276	1025.329	1.053
8	790	1016.383	1016.249	-0.134
10	637	1024.971	1022.335	-2.636
10	396	1034.969	1034.089	-0.880
10	521	1040.953	1039.287	-1.666
10	535	1038.305	1037.410	-0.895
10	526	1028.378	1028.528	0.150
15	940	1021.634	1021.343	-0.291
15	387	1034.835	1033.645	-1.190
15	787	1027.515	1027.457	-0.058
15	1042	1024.139	1023.061	-1.078
15	483	1028.238	1028.175	-0.063
30	597	1023.894	1022.755	-1.139
30	853	1045.594	1045.649	0.055
30	416	1030.250	1028.735	-1.515
30	949	1030.506	1028.374	-2.132
30	221	1029.691	1027.999	-1.692
35	538	1035.806	1033.668	-2.138
35	164	1017.538	1017.958	0.420
35	1018	1024.279	1024.766	0.487
35	462	1016.778	1015.604	-1.174
35	1032	1027.671	1025.233	-2.438
50	566	1033.223	1031.629	-1.594
50	197	1037.726	1035.568	-2.158
50	793	1041.016	1038.211	-2.805
50	802	1035.052	1032.181	-2.871
50	61	1027.312	1026.387	-0.925
55	795	1025.991	1021.839	-4.152
55	921	1023.266	1021.457	-1.809
55	741	1030.404	1027.339	-3.065
55	809	1031.800	1031.306	-0.494
55	804	1021.295	1023.084	1.789
100	449	1012.327	1013.749	1.422
100	541	1027.546	1024.940	-2.606
100	476	1028.533	1023.966	-4.567
100	45	1035.649	1032.351	-3.298
100	642	1020.773	1022.150	1.377
105	1036	1031.370	1030.911	-0.459
105	1038	1030.714	1025.959	-4.755
105	203	1035.127	1029.998	-5.129
105	1029	1032.340	1025.573	-6.767
105	1027	1032.571	1028.563	-4.008
105	Max	1045.594	1045.649	1.789
105	Average	1028.722	1027.521	-1.201
105	Min	1012.327	1013.749	-6.767
105	Std Dev	6.917	6.378	1.799



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000
Min	1018.650	1018.782	1016.249	1022.335	1021.343	1022.755	1015.604	1026.387	1021.457	1013.749	1025.573
Average	1024.359	1027.567	1026.899	1032.330	1026.736	1030.702	1023.446	1032.795	1025.005	1023.431	1028.201
Max	1028.797	1036.184	1036.487	1039.287	1033.645	1045.649	1033.668	1038.211	1031.306	1032.351	1030.911
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000

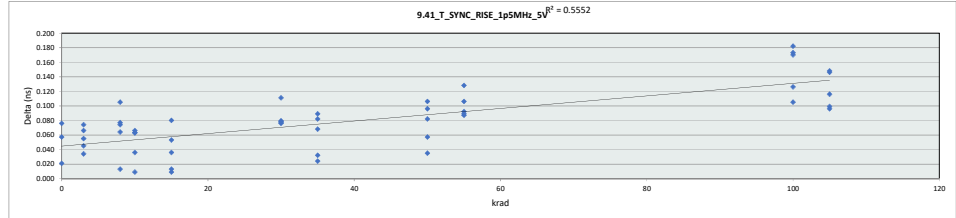


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

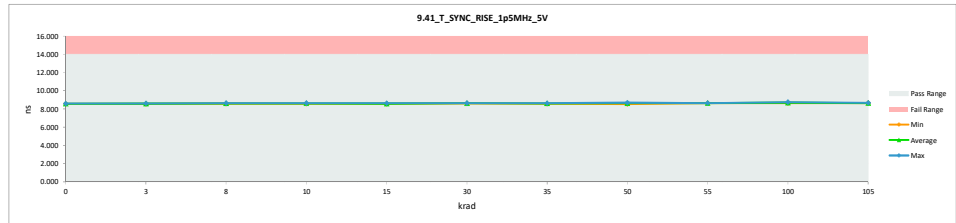
9.41_T_SYNC_RISE_1p5MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.570	8.591	0.021
0	726	8.521	8.578	0.057
0	791	8.484	8.560	0.076
3	689	8.540	8.574	0.034
3	688	8.543	8.617	0.074
3	700	8.517	8.583	0.066
3	482	8.544	8.599	0.055
3	1033	8.556	8.557	0.045
8	442	8.560	8.637	0.077
8	699	8.524	8.598	0.074
8	344	8.519	8.624	0.105
8	355	8.524	8.588	0.064
8	790	8.582	8.595	0.013
10	537	8.542	8.578	0.036
10	396	8.564	8.627	0.063
10	521	8.576	8.642	0.066
10	535	8.568	8.631	0.063
10	526	8.576	8.585	0.009
15	940	8.531	8.611	0.080
15	387	8.581	8.634	0.053
15	787	8.548	8.557	0.009
15	1042	8.546	8.582	0.036
15	483	8.564	8.577	0.013
30	597	8.531	8.642	0.111
30	853	8.546	8.623	0.077
30	416	8.546	8.622	0.076
30	949	8.525	8.604	0.079
30	221	8.543	8.622	0.079
35	538	8.543	8.632	0.089
35	164	8.556	8.588	0.032
35	1018	8.556	8.624	0.068
35	462	8.534	8.616	0.082
35	1032	8.541	8.565	0.024
50	566	8.562	8.644	0.082
50	197	8.520	8.555	0.035
50	793	8.550	8.646	0.096
50	802	8.558	8.615	0.057
50	61	8.582	8.688	0.106
55	795	8.538	8.630	0.092
55	921	8.522	8.650	0.128
55	741	8.555	8.644	0.089
55	809	8.538	8.644	0.106
55	804	8.557	8.644	0.087
100	449	8.561	8.743	0.182
100	541	8.530	8.656	0.126
100	476	8.527	8.700	0.173
100	45	8.559	8.664	0.105
100	642	8.538	8.708	0.170
105	1036	8.538	8.654	0.116
105	1038	8.514	8.662	0.148
105	203	8.503	8.649	0.146
105	1029	8.545	8.641	0.096
105	1027	8.563	8.662	0.099
105	Max	8.582	8.743	0.162
105	Average	8.544	8.622	0.078
105	Min	8.484	8.555	0.009
105	Std Dev	0.021	0.040	0.041



9.41_T_SYNC_RISE_1p5MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.560	8.557	8.588	8.578	8.557	8.604	8.565	8.555	8.630	8.656	8.641
Average	8.576	8.586	8.608	8.613	8.592	8.623	8.605	8.630	8.642	8.694	8.654
Max	8.591	8.617	8.637	8.642	8.634	8.642	8.632	8.688	8.650	8.743	8.662
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

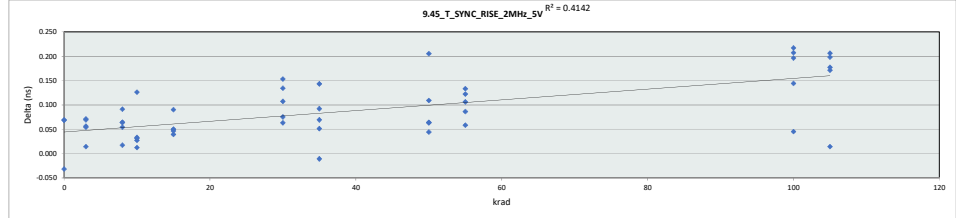


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

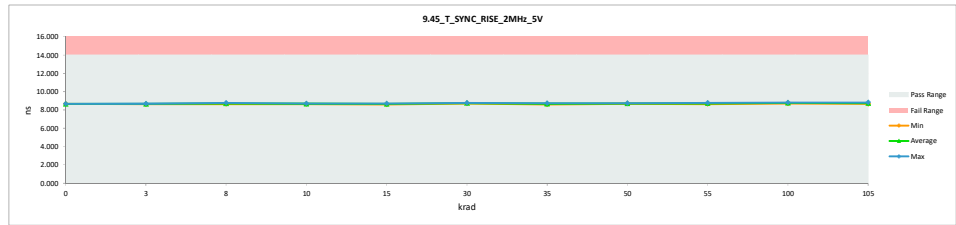
9.45_T_SYNC_RISE_2MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.685	8.653	-0.032
0	726	8.603	8.671	0.068
0	791	8.592	8.661	0.069
3	689	8.628	8.682	0.054
3	688	8.578	8.647	0.069
3	700	8.564	8.620	0.056
3	482	8.659	8.673	0.014
3	1033	8.651	8.682	0.071
8	442	8.657	8.711	0.054
8	699	8.606	8.670	0.064
8	344	8.623	8.640	0.017
8	355	8.632	8.696	0.064
8	730	8.686	8.777	0.091
10	537	8.590	8.716	0.126
10	396	8.641	8.668	0.027
10	521	8.644	8.675	0.031
10	535	8.668	8.701	0.033
10	526	8.638	8.650	0.012
15	540	8.597	8.687	0.090
15	387	8.649	8.699	0.050
15	787	8.604	8.650	0.046
15	1042	8.564	8.603	0.039
15	483	8.627	8.676	0.049
30	597	8.633	8.740	0.107
30	853	8.647	8.710	0.063
30	416	8.608	8.761	0.153
30	949	8.634	8.768	0.134
30	221	8.621	8.696	0.075
35	538	8.621	8.690	0.069
35	164	8.639	8.731	0.092
35	1018	8.605	8.656	0.051
35	462	8.594	8.737	0.143
35	1032	8.599	8.588	-0.011
50	566	8.648	8.692	0.044
50	197	8.525	8.730	0.205
50	793	8.622	8.731	0.109
50	802	8.622	8.685	0.063
50	61	8.626	8.690	0.064
55	795	8.628	8.750	0.122
55	921	8.613	8.719	0.106
55	741	8.639	8.772	0.133
55	809	8.577	8.643	0.086
55	804	8.642	8.700	0.058
100	449	8.667	8.811	0.144
100	541	8.600	8.807	0.207
100	476	8.580	8.797	0.217
100	45	8.603	8.799	0.196
100	642	8.652	8.697	0.045
105	1036	8.644	8.821	0.177
105	1038	8.502	8.700	0.198
105	203	8.596	8.802	0.206
105	1029	8.605	8.776	0.171
105	1027	8.642	8.656	0.014
105	Max	8.686	8.821	0.217
105	Average	8.618	8.705	0.087
105	Min	8.502	8.588	-0.032
105	Std Dev	0.036	0.055	0.061



9.45_T_SYNC_RISE_2MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.653	8.620	8.640	8.650	8.603	8.696	8.588	8.685	8.643	8.697	8.656
Average	8.662	8.661	8.699	8.682	8.663	8.725	8.680	8.706	8.717	8.782	8.751
Max	8.671	8.682	8.777	8.716	8.699	8.768	8.737	8.731	8.772	8.811	8.821
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

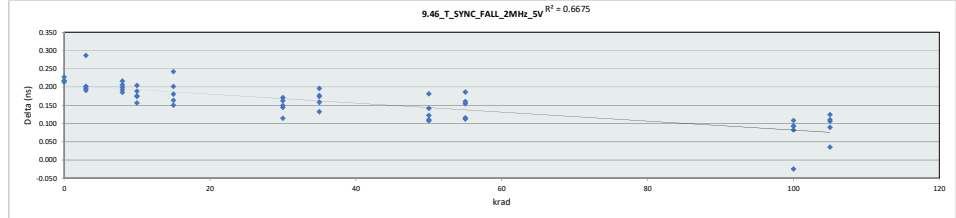


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

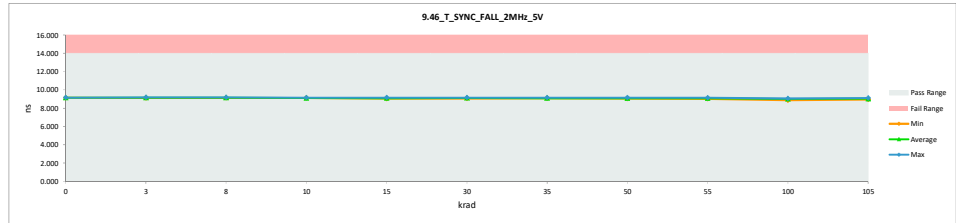
9.46_T_SYNC_FALL_2MHZ_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.921	9.138	0.217
0	726	8.946	9.159	0.213
0	791	8.930	9.157	0.227
3	689	8.908	9.194	0.286
3	688	8.958	9.153	0.195
3	700	8.915	9.116	0.201
3	482	8.957	9.147	0.190
3	1033	8.945	9.146	0.201
8	442	8.978	9.163	0.185
8	699	8.930	9.136	0.206
8	344	8.983	9.182	0.199
8	355	8.971	9.163	0.192
8	750	8.904	9.120	0.216
10	437	8.951	9.155	0.204
10	396	8.972	9.128	0.156
10	521	8.932	9.107	0.175
10	535	8.963	9.137	0.174
10	526	8.938	9.126	0.188
15	540	8.889	9.090	0.201
15	387	8.957	9.120	0.163
15	787	8.926	9.168	0.242
15	1042	8.878	9.028	0.150
15	483	8.940	9.120	0.180
30	597	8.952	9.066	0.114
30	853	8.950	9.094	0.144
30	416	8.984	9.146	0.162
30	949	8.987	9.158	0.171
30	221	8.931	9.080	0.149
35	538	8.931	9.105	0.174
35	164	8.926	9.084	0.158
35	1018	8.945	9.077	0.132
35	462	8.959	9.155	0.196
35	1032	8.920	9.096	0.176
50	566	8.941	9.048	0.107
50	197	8.969	9.150	0.181
50	793	8.955	9.077	0.122
50	802	8.982	9.092	0.110
50	61	8.915	9.056	0.141
55	795	8.947	9.133	0.186
55	921	8.923	9.035	0.112
55	741	8.954	9.114	0.160
55	809	8.908	9.023	0.115
55	804	8.952	9.106	0.154
100	449	8.952	9.060	0.108
100	541	8.971	9.064	0.093
100	476	8.956	9.048	0.092
100	45	8.948	9.030	0.082
100	642	8.981	8.856	-0.025
105	1036	8.939	9.045	0.106
105	1038	8.906	8.995	0.089
105	203	8.990	9.114	0.124
105	1029	8.947	9.057	0.110
105	1027	8.927	8.960	0.035
105	Max	8.990	9.194	0.286
105	Average	8.942	9.100	0.157
105	Min	8.878	8.856	-0.025
105	Std Dev	0.026	0.061	0.054



9.46_T_SYNC_FALL_2MHZ_5V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

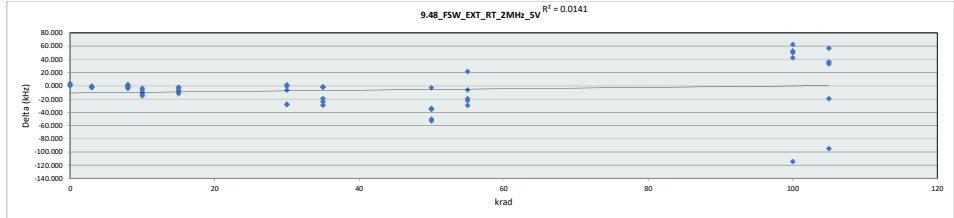
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	9.138	9.116	9.120	9.107	9.028	9.066	9.077	9.048	9.023	8.856	8.960
Average	9.151	9.151	9.153	9.131	9.105	9.109	9.103	9.085	9.082	9.012	9.034
Max	9.159	9.194	9.182	9.155	9.168	9.168	9.158	9.155	9.133	9.064	9.114
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000



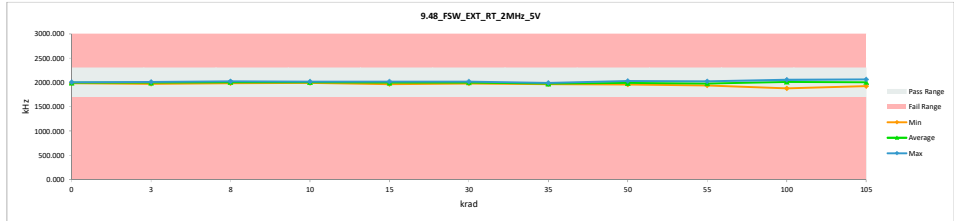
HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

9.48_FSW_EXT_RT_2MHz_5V				
Test Site	Tester	Test Number	Unit	kHz
			kHz	kHz
Max Limit			2300	2300
Min Limit			1700	1700
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1979.744	1982.823	3.079
0	726	2004.993	2005.577	0.584
0	791	1996.262	1996.430	0.168
3	689	1988.463	1987.926	-0.537
3	688	2007.246	2006.070	-1.176
3	700	1975.030	1972.665	-2.365
3	482	2011.936	2009.463	-2.473
3	1033	1990.724	1995.999	-2.275
8	442	2023.670	2021.916	-1.754
8	699	2005.583	2001.994	-3.589
8	344	2014.771	2011.792	-2.979
8	355	2004.249	2005.958	1.709
8	790	1982.255	1982.860	0.605
10	637	1999.013	1995.145	-3.868
10	396	2023.932	2017.107	-6.825
10	521	2020.364	2005.151	-15.213
10	535	2014.923	2003.859	-11.064
10	526	2001.459	1989.022	-12.437
15	940	1984.904	1979.184	-5.720
15	387	2029.291	2017.360	-11.931
15	787	2013.625	2011.356	-2.269
15	1042	1975.613	1966.900	-8.713
15	483	2006.865	2003.790	-3.075
30	597	1984.809	1978.096	-6.713
30	853	2045.500	2017.470	-28.030
30	416	2003.038	2004.383	1.345
30	949	2006.894	2006.211	-0.683
30	221	2008.411	1979.910	-28.501
35	538	2013.921	1989.740	-24.181
35	164	1968.706	1967.103	-1.603
35	1018	1998.124	1968.759	-29.362
35	462	1988.257	1986.158	-2.099
35	1032	1985.914	1966.483	-19.431
50	566	2023.296	1987.431	-35.865
50	197	2031.391	2028.389	-3.002
50	793	2029.213	1995.209	-34.004
50	802	2019.265	1968.728	-50.537
50	61	2009.129	1956.076	-53.053
55	795	2002.601	1996.297	-6.304
55	921	1986.353	1963.671	-22.682
55	741	2000.262	2021.895	21.633
55	809	1966.928	1937.150	-29.778
55	804	1990.701	1971.278	-19.423
100	449	1963.713	2026.042	62.329
100	541	1996.705	2049.266	52.561
100	476	2004.396	2054.378	49.982
100	45	2012.416	2054.682	42.266
100	642	1991.366	1876.725	-114.641
105	1036	2004.840	2061.700	56.860
105	1038	1970.465	1950.905	-19.560
105	203	2024.286	2060.406	36.120
105	1029	2001.983	2035.028	33.045
105	1027	2018.364	1923.175	-95.189
105		2045.500	2061.700	62.329
	Max			
	Average	2002.154	1995.341	-6.813
	Min	1963.713	1876.725	-114.641
	Std Dev	18.070	33.991	31.368



9.48_FSW_EXT_RT_2MHz_5V											
Test Site	Tester	Test Number	Unit	kHz	kHz	kHz	kHz	kHz	kHz	kHz	
Max Limit				2300	2300	2300	2300	2300	2300	2300	
Min Limit				1700	1700	1700	1700	1700	1700	1700	
krad	0	3	8	10	15	30	35	50	55	100	105
LL	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000
Min	1982.823	1972.665	1982.860	1989.022	1966.900	1978.096	1966.483	1956.076	1937.150	1876.725	1923.175
Average	1994.943	1994.425	2004.904	2002.057	1995.718	1997.214	1975.649	1987.167	1978.058	2012.219	2006.243
Max	2005.577	2009.463	2021.916	2017.107	2017.360	2017.470	1989.740	2028.389	2021.895	2054.682	2061.700
UL	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000



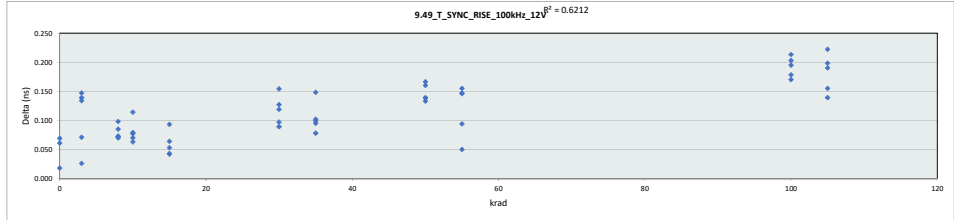


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

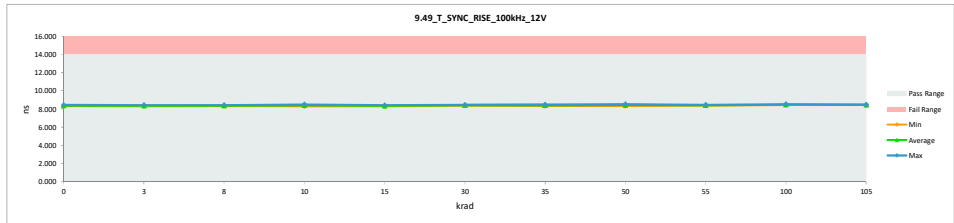
9.49_T_SYNC_RISE_100kHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.385	8.446	0.061
0	726	8.280	8.349	0.069
0	791	8.291	8.309	0.018
3	689	8.290	8.437	0.147
3	688	8.312	8.338	0.026
3	700	8.211	8.282	0.071
3	482	8.285	8.424	0.139
3	1033	8.303	8.363	0.134
8	442	8.279	8.352	0.073
8	699	8.339	8.437	0.098
8	344	8.289	8.361	0.072
8	355	8.261	8.331	0.070
8	790	8.338	8.423	0.085
10	437	8.383	8.507	0.114
10	396	8.344	8.423	0.079
10	521	8.293	8.370	0.077
10	535	8.373	8.436	0.063
10	526	8.229	8.299	0.070
15	940	8.286	8.379	0.093
15	387	8.342	8.395	0.053
15	787	8.211	8.275	0.064
15	1042	8.378	8.420	0.042
15	483	8.244	8.287	0.043
30	597	8.337	8.464	0.127
30	853	8.356	8.363	0.007
30	416	8.295	8.414	0.119
30	949	8.309	8.398	0.089
30	221	8.263	8.417	0.154
35	538	8.388	8.483	0.095
35	164	8.224	8.372	0.148
35	1018	8.303	8.381	0.078
35	462	8.313	8.415	0.102
35	1032	8.246	8.345	0.099
50	566	8.326	8.486	0.160
50	197	8.160	8.326	0.166
50	793	8.247	8.385	0.138
50	802	8.391	8.530	0.139
50	61	8.381	8.514	0.133
55	795	8.308	8.454	0.146
55	921	8.244	8.391	0.147
55	741	8.286	8.380	0.094
55	809	8.308	8.358	0.050
55	804	8.316	8.471	0.155
100	449	8.340	8.543	0.203
100	541	8.317	8.487	0.170
100	476	8.241	8.454	0.213
100	45	8.274	8.452	0.178
100	642	8.255	8.450	0.195
105	1036	8.332	8.471	0.139
105	1038	8.274	8.464	0.190
105	203	8.264	8.419	0.155
105	1029	8.241	8.463	0.222
105	1027	8.288	8.488	0.198
105	Max	8.393	8.543	0.222
105	Average	8.295	8.409	0.114
105	Min	8.160	8.275	0.118
105	Std Dev	0.052	0.065	0.051



9.49_T_SYNC_RISE_100kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.309	8.282	8.331	8.299	8.275	8.363	8.345	8.326	8.358	8.450	8.419
Average	8.368	8.369	8.381	8.407	8.351	8.411	8.399	8.448	8.411	8.477	8.461
Max	8.446	8.437	8.437	8.507	8.420	8.464	8.483	8.530	8.471	8.543	8.486
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

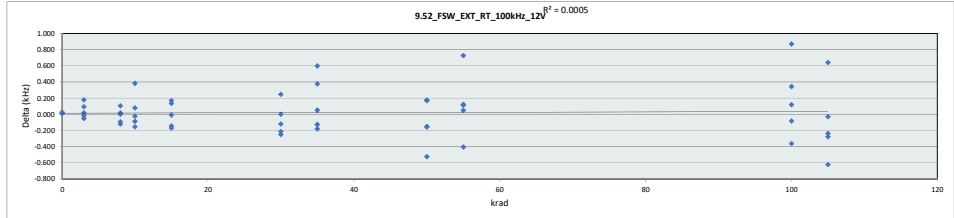


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

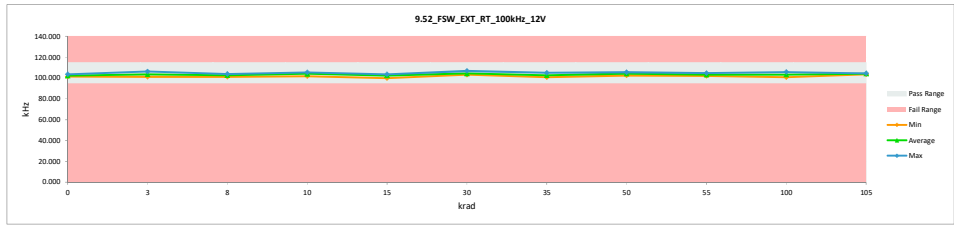
9.52_FSW_EXT_RT_100kHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	115
Min Limit	95

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	101.435	101.446	0.011
0	726	101.635	101.659	0.024
0	791	103.560	103.570	0.010
3	689	102.634	102.649	0.015
3	688	103.917	103.898	-0.019
3	700	101.072	101.249	0.177
3	482	106.074	106.166	0.092
3	1033	103.426	103.442	-0.054
8	442	103.811	103.808	-0.003
8	699	103.232	103.137	-0.095
8	344	102.656	102.672	0.016
8	355	101.890	101.993	0.103
8	790	101.217	101.094	-0.123
10	537	101.691	101.728	0.077
10	396	103.712	103.623	-0.089
10	521	105.196	105.039	-0.157
10	535	105.480	105.455	-0.025
10	526	104.011	104.392	0.381
15	940	103.140	103.307	0.167
15	387	103.085	102.913	-0.172
15	787	102.916	102.905	-0.011
15	1042	100.030	99.884	-0.146
15	483	103.420	103.552	0.132
30	597	103.251	103.128	-0.123
30	853	106.511	106.756	0.245
30	416	104.026	103.811	-0.215
30	949	104.522	104.269	-0.253
30	221	103.674	103.673	-0.001
35	538	105.121	104.993	-0.128
35	164	102.173	102.770	0.597
35	1018	101.761	102.135	0.374
35	462	100.723	100.772	0.049
35	1032	102.425	102.242	-0.183
50	566	104.232	104.400	0.168
50	197	105.372	105.546	0.174
50	793	105.570	105.416	-0.154
50	802	104.065	103.540	-0.525
50	61	102.589	102.431	-0.158
55	795	102.433	102.027	-0.406
55	921	102.512	102.559	0.047
55	741	104.636	104.747	0.111
55	809	103.937	104.057	0.120
55	804	101.503	102.227	0.724
100	449	100.400	100.742	0.342
100	541	102.899	102.815	-0.084
100	476	103.529	103.165	-0.364
100	45	105.623	105.741	0.118
100	642	103.031	103.899	0.868
105	1036	103.923	104.562	0.639
105	1038	103.737	103.706	-0.031
105	203	104.597	104.317	-0.280
105	1029	105.157	104.533	-0.624
105	1027	103.872	103.632	-0.240
105	Max	106.511	106.756	0.245
105	Average	103.341	103.362	0.021
105	Min	100.030	99.884	-0.624
105	Std Dev	1.484	1.457	0.282



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000
Min	101.446	101.249	101.094	101.728	99.884	103.128	100.772	102.431	102.027	100.742	103.632
Average	102.225	103.481	102.541	104.047	102.512	104.327	102.582	104.267	103.123	103.272	104.150
Max	103.570	106.166	103.808	105.455	103.552	106.756	104.993	105.546	104.747	105.741	104.562
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000

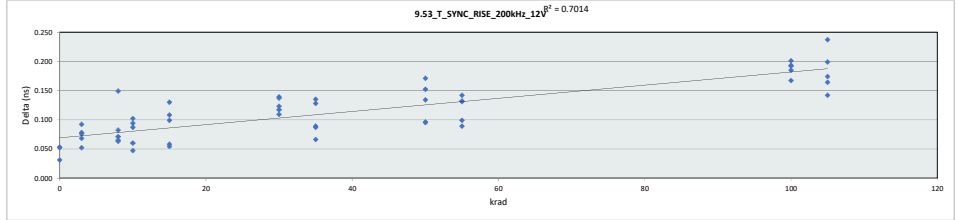


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

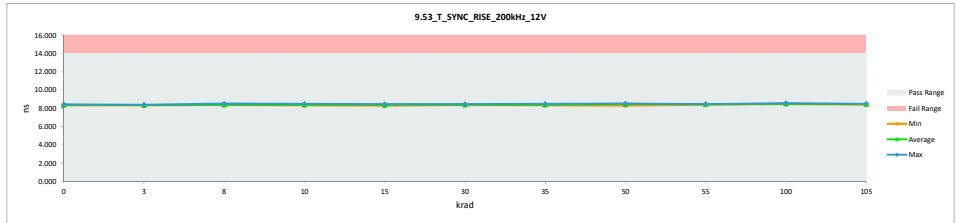
9.53_T_SYNC_RISE_200kHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.394	8.425	0.031
0	726	8.300	8.352	0.052
0	791	8.271	8.324	0.053
3	689	8.321	8.373	0.052
3	688	8.281	8.349	0.068
3	700	8.214	8.306	0.092
3	482	8.272	8.350	0.078
3	1033	8.265	8.321	0.076
8	442	8.281	8.346	0.065
8	699	8.326	8.408	0.082
8	344	8.263	8.334	0.071
8	355	8.299	8.362	0.063
8	750	8.350	8.499	0.149
10	437	8.372	8.474	0.102
10	396	8.338	8.385	0.047
10	521	8.257	8.344	0.087
10	535	8.328	8.422	0.094
10	526	8.250	8.310	0.060
15	940	8.299	8.357	0.058
15	387	8.326	8.434	0.108
15	787	8.220	8.319	0.099
15	1042	8.317	8.447	0.130
15	483	8.238	8.292	0.054
30	597	8.340	8.449	0.109
30	853	8.225	8.348	0.123
30	416	8.261	8.400	0.139
30	949	8.269	8.386	0.117
30	221	8.245	8.382	0.137
35	538	8.391	8.480	0.089
35	164	8.246	8.374	0.128
35	1018	8.263	8.350	0.087
35	462	8.268	8.403	0.135
35	1032	8.252	8.318	0.066
50	566	8.365	8.460	0.095
50	197	8.199	8.295	0.096
50	793	8.296	8.430	0.134
50	802	8.366	8.518	0.152
50	61	8.312	8.483	0.171
55	795	8.321	8.420	0.099
55	921	8.273	8.415	0.142
55	741	8.267	8.399	0.132
55	809	8.286	8.375	0.089
55	804	8.332	8.463	0.131
100	449	8.381	8.548	0.167
100	541	8.305	8.497	0.192
100	476	8.246	8.447	0.201
100	45	8.285	8.470	0.185
100	642	8.272	8.465	0.193
105	1036	8.328	8.492	0.164
105	1038	8.236	8.473	0.237
105	203	8.225	8.424	0.199
105	1029	8.263	8.405	0.142
105	1027	8.258	8.432	0.174
105	Max	8.394	8.548	0.237
105	Average	8.289	8.403	0.113
105	Min	8.199	8.292	0.031
105	Std Dev	0.048	0.064	0.048



9.53_T_SYNC_RISE_200kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.324	8.306	8.334	8.310	8.292	8.348	8.318	8.295	8.375	8.447	8.405
Average	8.367	8.340	8.390	8.387	8.370	8.393	8.385	8.437	8.414	8.485	8.445
Max	8.425	8.373	8.499	8.474	8.447	8.449	8.480	8.518	8.463	8.548	8.492
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

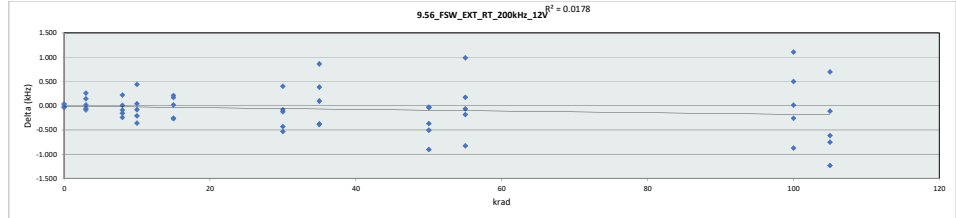


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

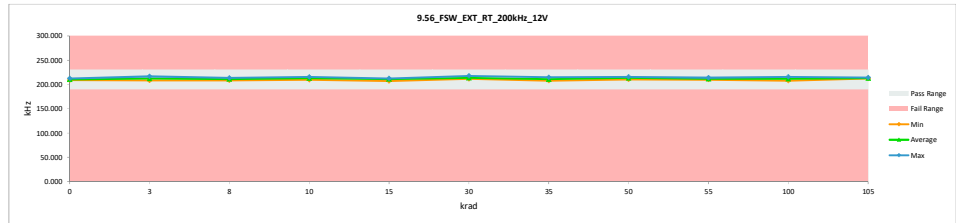
9.56_FSW_EXT_RT_200kHz_12V	
Test Site	Tester
Test Number	Unit
Unit	kHz
Max Limit	230
Min Limit	190

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	208.931	208.904	-0.027
0	726	209.631	209.662	0.031
0	791	212.573	212.533	-0.040
3	689	210.965	210.981	0.016
3	688	212.480	212.390	-0.090
3	700	208.005	208.261	0.256
3	482	216.338	216.478	0.140
3	1033	212.256	212.197	-0.059
8	442	213.317	213.323	0.006
8	699	211.377	211.218	-0.159
8	344	211.628	211.536	-0.092
8	355	210.110	210.327	0.217
8	790	208.787	208.544	-0.243
10	437	209.397	209.435	0.038
10	396	212.937	212.725	-0.212
10	521	215.470	215.108	-0.362
10	535	215.441	215.357	-0.084
10	526	212.824	213.262	0.438
15	940	211.054	211.262	0.208
15	387	212.263	211.994	-0.269
15	787	211.400	211.416	0.016
15	1042	207.496	207.234	-0.262
15	483	212.271	212.436	0.165
30	597	211.635	211.509	-0.126
30	853	217.371	217.769	0.398
30	416	213.371	212.536	-0.435
30	949	213.731	213.197	-0.534
30	221	212.550	212.462	-0.088
35	538	214.968	214.587	-0.381
35	164	210.112	210.972	0.860
35	1018	209.835	210.216	0.381
35	462	207.582	207.675	0.093
35	1032	210.892	210.506	-0.386
50	566	213.460	213.420	-0.040
50	197	215.532	215.497	-0.035
50	793	216.000	215.493	-0.507
50	802	213.509	212.605	-0.904
50	61	210.939	210.568	-0.371
55	795	210.736	209.907	-0.829
55	921	210.585	210.516	-0.069
55	741	214.156	213.970	-0.186
55	809	212.966	213.136	0.170
55	804	209.372	210.355	0.983
100	449	207.380	207.876	0.496
100	541	211.596	211.334	-0.262
100	476	212.377	211.502	-0.875
100	45	215.500	215.511	0.011
100	642	211.055	212.159	1.104
105	1036	213.414	214.108	0.694
105	1038	212.604	212.489	-0.115
105	203	214.470	213.716	-0.754
105	1029	214.891	213.657	-1.234
105	1027	212.975	212.358	-0.617
105	Max	217.371	217.769	1.104
105	Average	212.123	212.049	-0.074
105	Min	207.380	207.234	-1.234
105	Std Dev	2.383	2.291	0.451



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000
Min	208.904	208.261	208.544	209.435	207.234	211.509	207.675	210.568	209.907	207.876	212.358
Average	210.366	212.061	210.990	213.177	210.868	213.575	210.791	213.517	211.577	211.676	213.266
Max	212.533	216.478	213.323	215.357	212.436	217.769	214.587	215.497	213.970	215.511	214.108
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000

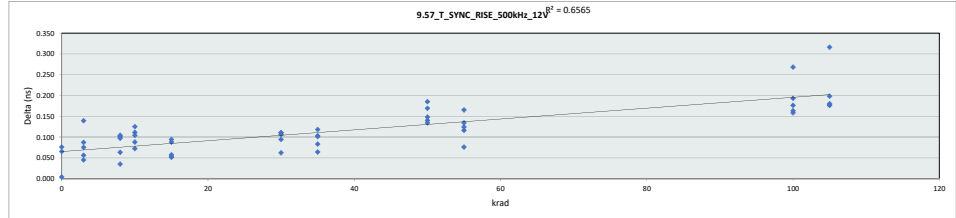


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

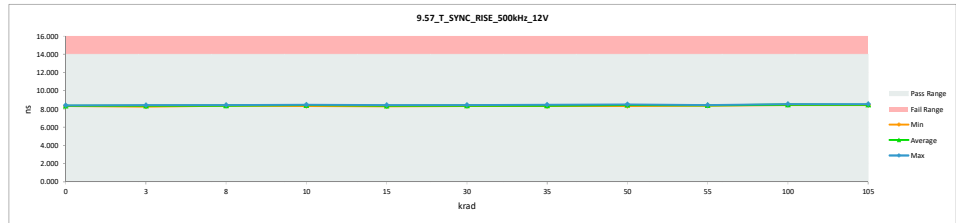
9.57_T_SYNC_RISE_500kHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.397	8.401	0.004
0	726	8.266	8.331	0.065
0	791	8.264	8.340	0.076
3	689	8.328	8.415	0.087
3	688	8.276	8.415	0.139
3	700	8.193	8.268	0.075
3	482	8.294	8.350	0.056
3	1033	8.248	8.299	0.045
8	442	8.284	8.347	0.063
8	699	8.324	8.428	0.104
8	344	8.311	8.346	0.035
8	355	8.260	8.357	0.097
8	790	8.319	8.420	0.101
10	537	8.364	8.475	0.111
10	396	8.366	8.454	0.088
10	521	8.282	8.386	0.104
10	535	8.327	8.452	0.125
10	526	8.268	8.340	0.072
15	940	8.280	8.337	0.057
15	387	8.380	8.431	0.051
15	787	8.212	8.306	0.094
15	1042	8.304	8.392	0.088
15	483	8.263	8.316	0.053
30	597	8.355	8.449	0.094
30	853	8.335	8.341	0.006
30	416	8.270	8.380	0.110
30	949	8.288	8.398	0.110
30	221	8.291	8.353	0.062
35	538	8.388	8.471	0.083
35	164	8.273	8.337	0.064
35	1018	8.248	8.351	0.103
35	462	8.285	8.403	0.118
35	1032	8.211	8.312	0.101
50	566	8.309	8.478	0.169
50	197	8.192	8.340	0.148
50	793	8.261	8.395	0.134
50	802	8.327	8.512	0.185
50	61	8.311	8.451	0.140
55	795	8.300	8.416	0.116
55	921	8.232	8.356	0.124
55	741	8.256	8.421	0.165
55	809	8.284	8.360	0.076
55	804	8.314	8.448	0.134
100	449	8.368	8.531	0.163
100	541	8.313	8.506	0.193
100	476	8.201	8.469	0.268
100	45	8.298	8.456	0.158
100	642	8.274	8.450	0.176
105	1036	8.302	8.479	0.177
105	1038	8.212	8.528	0.316
105	203	8.231	8.429	0.198
105	1029	8.251	8.431	0.180
105	1027	8.273	8.449	0.176
105	Max	8.397	8.531	0.316
105	Average	8.286	8.402	0.116
105	Min	8.192	8.268	0.004
105	Std Dev	0.049	0.063	0.057



9.57_T_SYNC_RISE_500kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.331	8.268	8.346	8.340	8.306	8.341	8.312	8.340	8.356	8.450	8.429
Average	8.357	8.349	8.380	8.421	8.356	8.384	8.375	8.435	8.400	8.482	8.463
Max	8.401	8.415	8.428	8.475	8.431	8.449	8.471	8.512	8.448	8.531	8.528
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

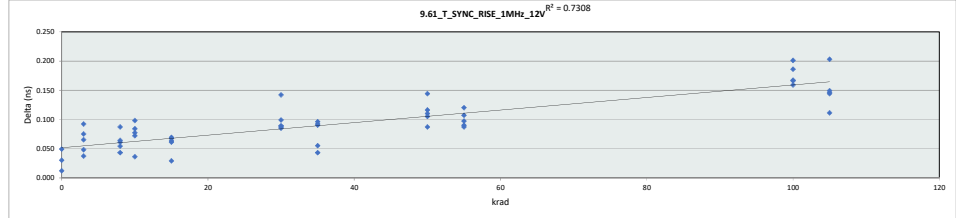


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

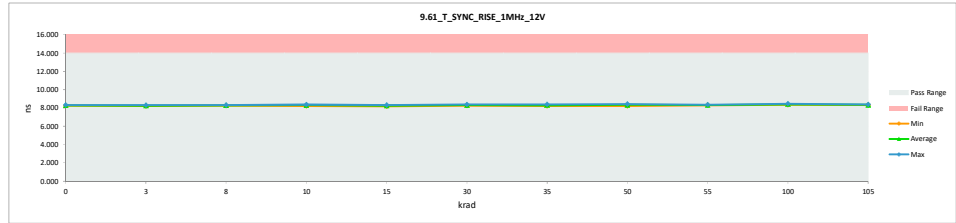
9.61_T_SYNC_RISE_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.317	8.329	0.012
0	726	8.202	8.251	0.049
0	791	8.214	8.244	0.030
3	689	8.247	8.312	0.065
3	688	8.220	8.268	0.048
3	700	8.133	8.208	0.075
3	482	8.249	8.286	0.037
3	1033	8.241	8.241	0.002
8	442	8.176	8.263	0.087
8	699	8.256	8.320	0.064
8	344	8.184	8.238	0.054
8	355	8.198	8.259	0.061
8	790	8.270	8.313	0.043
10	537	8.305	8.377	0.072
10	396	8.273	8.309	0.036
10	521	8.182	8.266	0.084
10	535	8.235	8.333	0.098
10	526	8.143	8.220	0.077
15	940	8.223	8.286	0.063
15	387	8.246	8.313	0.067
15	787	8.148	8.177	0.029
15	1042	8.255	8.324	0.069
15	483	8.174	8.235	0.061
30	597	8.246	8.388	0.142
30	853	8.180	8.267	0.087
30	416	8.205	8.304	0.099
30	949	8.216	8.301	0.085
30	221	8.200	8.289	0.089
35	538	8.302	8.392	0.090
35	164	8.186	8.278	0.092
35	1018	8.216	8.259	0.043
35	462	8.227	8.323	0.096
35	1032	8.169	8.224	0.055
50	566	8.248	8.392	0.144
50	197	8.116	8.226	0.110
50	793	8.205	8.292	0.087
50	802	8.306	8.422	0.116
50	61	8.275	8.380	0.105
55	795	8.223	8.330	0.107
55	921	8.180	8.300	0.120
55	741	8.237	8.324	0.087
55	809	8.197	8.294	0.097
55	804	8.262	8.352	0.090
100	449	8.301	8.460	0.159
100	541	8.239	8.405	0.166
100	476	8.182	8.383	0.201
100	45	8.194	8.380	0.186
100	642	8.179	8.346	0.167
105	1036	8.257	8.368	0.111
105	1038	8.184	8.387	0.203
105	203	8.171	8.317	0.146
105	1029	8.191	8.335	0.144
105	1027	8.183	8.332	0.149
105	Max	8.317	8.460	0.203
105	Average	8.217	8.310	0.093
105	Min	8.116	8.177	0.012
105	Std Dev	0.047	0.060	0.045



9.61_T_SYNC_RISE_1MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

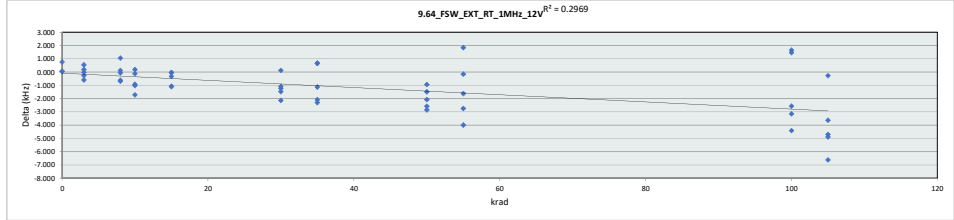
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.244	8.208	8.238	8.220	8.177	8.267	8.224	8.226	8.294	8.346	8.317
Average	8.275	8.263	8.279	8.301	8.267	8.310	8.295	8.342	8.320	8.395	8.348
Max	8.329	8.312	8.320	8.377	8.324	8.388	8.392	8.422	8.352	8.460	8.387
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000



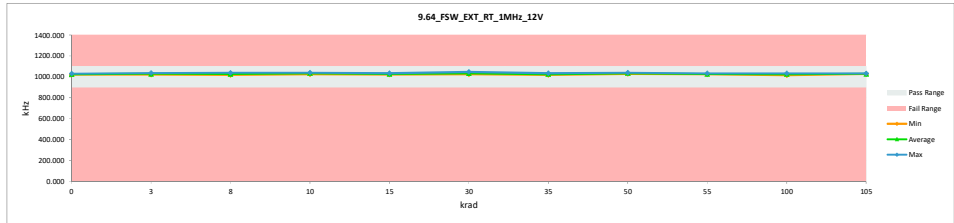
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

9.64_FSW_EXT_RT_1MHz_12V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1018.984	1019.740	0.756
0	726	1026.846	1026.900	0.054
0	791	1029.889	1029.930	0.041
3	689	1027.779	1027.748	-0.031
3	688	1030.464	1030.640	0.176
3	700	1020.135	1020.664	0.529
3	482	1037.764	1037.478	-0.286
3	1033	1023.425	1028.432	-0.606
8	442	1037.935	1038.041	0.106
8	699	1027.658	1026.952	-0.706
8	344	1032.830	1032.206	-0.624
8	355	1025.648	1026.698	1.050
8	790	1017.401	1017.332	-0.069
10	537	1036.295	1023.290	-0.135
10	396	1036.256	1035.222	-1.034
10	521	1042.574	1040.846	-1.728
10	535	1039.678	1038.751	-0.927
10	526	1030.300	1030.484	0.184
15	940	1023.175	1022.841	-0.334
15	387	1036.254	1035.164	-1.090
15	787	1029.159	1029.098	-0.061
15	1042	1025.336	1024.233	-1.103
15	483	1029.821	1029.783	-0.038
30	597	1025.020	1023.928	-1.092
30	853	1047.245	1047.365	0.120
30	416	1031.322	1030.077	-1.245
30	949	1031.815	1029.667	-2.148
30	221	1031.263	1029.776	-1.487
35	538	1036.800	1034.701	-2.099
35	164	1018.724	1019.365	0.641
35	1018	1025.775	1026.440	0.665
35	462	1018.114	1016.977	-1.137
35	1032	1029.320	1027.009	-2.311
50	566	1034.464	1032.968	-1.496
50	197	1039.160	1037.076	-2.084
50	793	1042.428	1039.845	-2.583
50	802	1036.013	1033.147	-2.866
50	61	1028.906	1027.951	-0.955
55	795	1027.312	1023.309	-4.003
55	921	1024.773	1023.138	-1.635
55	741	1031.716	1028.962	-2.754
55	809	1033.497	1033.328	-0.169
55	804	1022.593	1024.428	1.835
100	449	1013.368	1014.821	1.453
100	541	1028.698	1026.117	-2.581
100	476	1029.934	1025.505	-4.429
100	45	1036.945	1033.788	-3.157
100	642	1022.419	1024.062	1.643
105	1036	1032.544	1032.260	-0.284
105	1038	1032.345	1027.638	-4.707
105	203	1036.477	1031.575	-4.902
105	1029	1033.784	1027.154	-6.630
105	1027	1034.162	1030.518	-3.644
105	Max	1047.245	1047.365	1.835
105	Average	1030.100	1028.969	-1.131
105	Min	1013.368	1014.821	-6.630
105	Std Dev	6.965	6.423	1.761



9.64_FSW_EXT_RT_1MHz_12V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000
Min	1019.740	1020.664	1017.332	1023.290	1022.841	1023.928	1016.977	1027.951	1023.138	1014.821	1027.154
Average	1025.523	1028.992	1028.246	1033.719	1028.224	1032.163	1024.898	1034.197	1026.633	1024.859	1029.829
Max	1029.930	1037.478	1038.041	1040.846	1035.164	1047.365	1034.701	1039.845	1033.328	1033.788	1032.260
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000

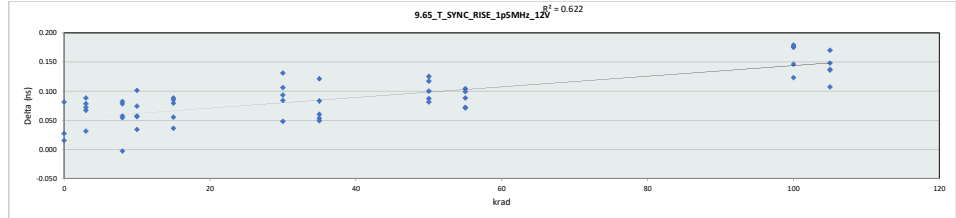


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

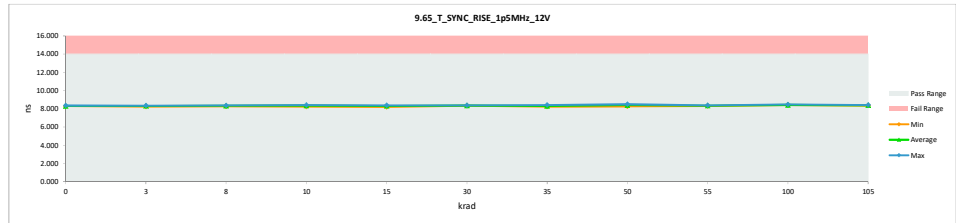
9.65_T_SYNC_RISE_1p5MHz_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
ns	ns
14	14
0	0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.339	8.354	0.015
0	726	8.254	8.281	0.027
0	791	8.231	8.312	0.081
3	689	8.281	8.348	0.067
3	688	8.258	8.289	0.031
3	700	8.146	8.234	0.088
3	482	8.263	8.341	0.078
3	1033	8.253	8.276	0.022
8	442	8.253	8.331	0.078
8	699	8.315	8.369	0.054
8	344	8.282	8.279	-0.003
8	355	8.203	8.260	0.057
8	750	8.286	8.368	0.082
10	537	8.360	8.394	0.034
10	396	8.312	8.369	0.057
10	521	8.261	8.362	0.101
10	535	8.328	8.402	0.074
10	526	8.184	8.240	0.056
15	940	8.226	8.311	0.085
15	387	8.290	8.369	0.079
15	787	8.170	8.206	0.036
15	1042	8.287	8.375	0.088
15	483	8.200	8.255	0.055
30	597	8.272	8.378	0.106
30	853	8.242	8.326	0.084
30	416	8.235	8.366	0.131
30	949	8.248	8.341	0.093
30	221	8.293	8.341	0.048
35	538	8.338	8.421	0.083
35	164	8.192	8.252	0.060
35	1018	8.253	8.306	0.053
35	462	8.223	8.344	0.121
35	1032	8.189	8.238	0.049
50	566	8.313	8.413	0.100
50	197	8.176	8.257	0.081
50	793	8.259	8.376	0.117
50	802	8.366	8.491	0.125
50	61	8.314	8.401	0.087
55	795	8.266	8.365	0.099
55	921	8.225	8.297	0.072
55	741	8.242	8.330	0.088
55	809	8.274	8.345	0.071
55	804	8.277	8.381	0.104
100	449	8.327	8.473	0.146
100	541	8.303	8.426	0.123
100	476	8.226	8.405	0.179
100	45	8.229	8.405	0.176
100	642	8.224	8.399	0.175
105	1036	8.280	8.416	0.136
105	1038	8.234	8.404	0.170
105	203	8.215	8.352	0.137
105	1029	8.211	8.359	0.148
105	1027	8.245	8.352	0.107
105	Max	8.366	8.491	0.179
105	Average	8.257	8.345	0.088
105	Min	8.146	8.206	-0.003
105	Std Dev	0.050	0.062	0.041



9.65_T_SYNC_RISE_1p5MHz_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
14	ns
0	ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.281	8.234	8.260	8.240	8.206	8.326	8.238	8.257	8.297	8.399	8.352
Average	8.316	8.298	8.321	8.353	8.303	8.350	8.312	8.308	8.344	8.422	8.377
Max	8.354	8.348	8.369	8.402	8.375	8.378	8.421	8.491	8.381	8.473	8.416
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000



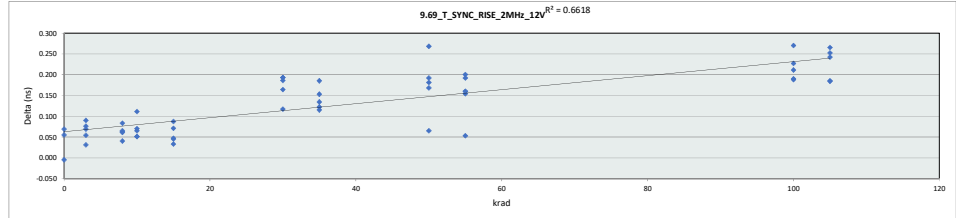


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

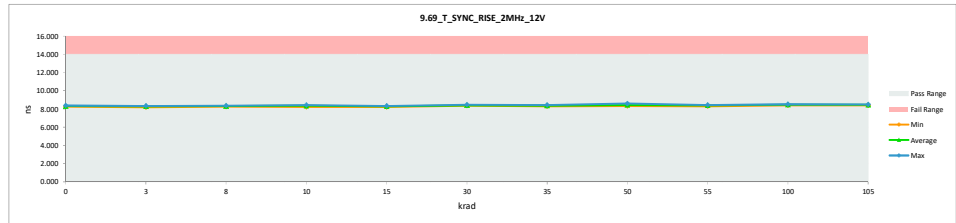
9.69_T_SYNC_RISE_2MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.379	8.374	-0.005
0	726	8.212	8.267	0.055
0	791	8.235	8.304	0.069
3	689	8.244	8.320	0.076
3	688	8.234	8.303	0.069
3	700	8.154	8.185	0.031
3	482	8.243	8.333	0.090
3	1033	8.206	8.260	0.054
8	442	8.251	8.316	0.065
8	699	8.286	8.369	0.083
8	344	8.210	8.250	0.040
8	355	8.209	8.270	0.061
8	790	8.272	8.335	0.063
10	537	8.368	8.433	0.065
10	396	8.304	8.374	0.070
10	521	8.231	8.342	0.111
10	535	8.331	8.382	0.051
10	526	8.175	8.226	0.051
15	940	8.229	8.300	0.071
15	387	8.297	8.330	0.033
15	787	8.157	8.204	0.047
15	1042	8.291	8.336	0.045
15	483	8.167	8.254	0.087
30	597	8.275	8.468	0.193
30	853	8.232	8.349	0.117
30	416	8.221	8.407	0.186
30	949	8.242	8.435	0.193
30	221	8.197	8.361	0.164
35	538	8.321	8.436	0.115
35	164	8.195	8.380	0.185
35	1018	8.202	8.324	0.122
35	462	8.259	8.412	0.153
35	1032	8.170	8.304	0.134
50	566	8.270	8.462	0.192
50	197	8.141	8.322	0.181
50	793	8.238	8.406	0.168
50	802	8.323	8.591	0.268
50	61	8.267	8.332	0.065
55	795	8.242	8.434	0.192
55	921	8.179	8.379	0.200
55	741	8.229	8.383	0.154
55	809	8.245	8.298	0.053
55	804	8.281	8.441	0.160
100	449	8.326	8.516	0.190
100	541	8.304	8.515	0.211
100	476	8.178	8.448	0.270
100	45	8.218	8.406	0.188
100	642	8.215	8.442	0.227
105	1036	8.307	8.491	0.184
105	1038	8.209	8.474	0.265
105	203	8.205	8.447	0.242
105	1029	8.204	8.389	0.185
105	1027	8.225	8.477	0.252
105	Max	8.379	8.551	0.270
105	Average	8.242	8.370	0.128
105	Min	8.141	8.185	-0.005
105	Std Dev	0.054	0.085	0.074



9.69_T_SYNC_RISE_2MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.267	8.185	8.250	8.226	8.204	8.349	8.304	8.322	8.298	8.406	8.389
Average	8.315	8.280	8.308	8.351	8.285	8.404	8.371	8.423	8.387	8.465	8.456
Max	8.374	8.333	8.369	8.433	8.336	8.468	8.436	8.591	8.441	8.516	8.491
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

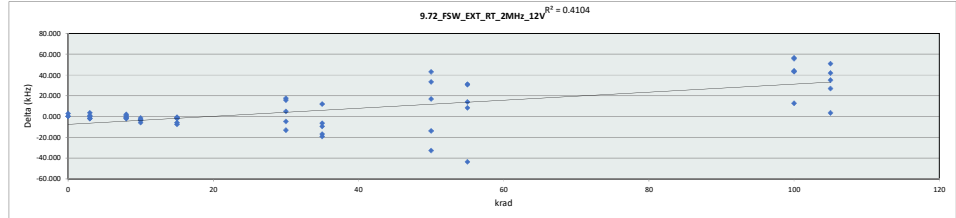


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

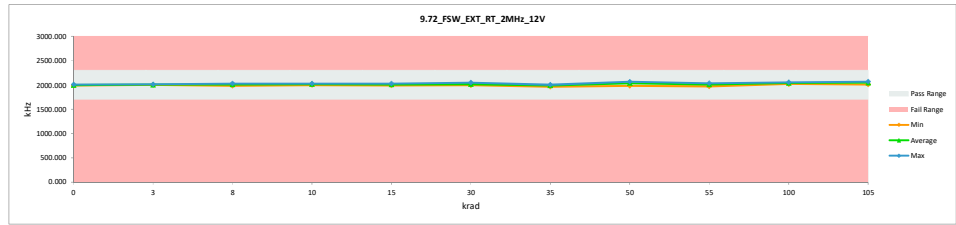
9.72_FSW_EXT_RT_2MHz_12V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	2300
Min Limit	1700

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	1982.692	1985.504	2.812
0	726	2006.453	2008.635	0.182
0	791	1996.470	1996.684	0.214
3	689	2001.562	2001.320	-0.242
3	688	2012.373	2013.358	0.985
3	700	1999.101	2002.619	3.518
3	482	2015.094	2012.847	-2.247
3	1033	2001.572	2001.643	-1.862
8	442	2029.633	2028.651	-0.982
8	699	2012.054	2009.855	-2.199
8	344	2020.226	2018.764	-1.462
8	355	2007.990	2009.988	1.998
8	750	1983.020	1983.540	0.520
10	437	1999.616	1998.120	-1.496
10	396	2025.382	2021.502	-3.880
10	521	2034.710	2028.727	-5.983
10	535	2027.273	2024.010	-3.263
10	526	2011.576	2008.688	-2.888
15	540	1991.661	1989.578	-2.083
15	387	2032.815	2026.863	-5.952
15	787	2020.783	2019.501	-1.282
15	1042	2009.170	2001.561	-7.609
15	483	2012.163	2011.440	-0.723
30	597	1986.297	1993.112	4.815
30	853	2051.266	2046.447	-4.819
30	416	2004.609	2022.095	17.486
30	949	2007.793	2023.438	15.645
30	221	2013.454	2000.212	-13.242
35	538	2013.447	1994.164	-19.283
35	164	1971.374	1964.884	-6.490
35	1018	2004.172	1994.626	-9.546
35	462	1992.122	2004.075	11.953
35	1032	2004.264	1987.257	-17.007
50	566	2026.231	2012.332	-13.899
50	197	2035.232	2052.082	16.850
50	793	2032.796	2066.012	33.216
50	802	2018.727	2061.680	42.953
50	61	2013.647	1980.810	-32.837
55	795	2007.591	2021.514	13.923
55	921	1992.007	2000.325	8.318
55	741	2003.397	2034.500	31.103
55	809	2014.832	1971.179	-43.653
55	804	1993.184	2023.653	30.469
100	449	1963.073	2018.595	55.522
100	541	1999.227	2042.247	43.020
100	476	2009.490	2053.457	43.967
100	45	2015.302	2027.882	12.580
100	642	1995.895	2053.218	56.323
105	1036	2005.379	2056.161	50.782
105	1038	2008.934	2043.811	34.877
105	203	2028.335	2055.228	26.893
105	1029	2005.076	2008.465	3.389
105	1027	2026.782	2068.561	41.779
105	Max	2051.266	2068.561	56.323
105	Average	2009.137	2016.706	7.569
105	Min	1963.073	1964.884	-43.653
105	Std Dev	16.465	24.587	21.451



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000
Min	1985.504	2001.320	1983.540	1998.120	1989.578	1993.112	1964.884	1980.810	1971.179	2018.595	2008.465
Average	1996.941	2006.357	2010.160	2016.209	2009.789	2017.061	1989.001	2034.583	2010.234	2039.080	2046.445
Max	2008.635	2013.358	2028.651	2028.727	2026.863	2046.447	2004.075	2066.012	2034.500	2053.457	2068.561
UL	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000

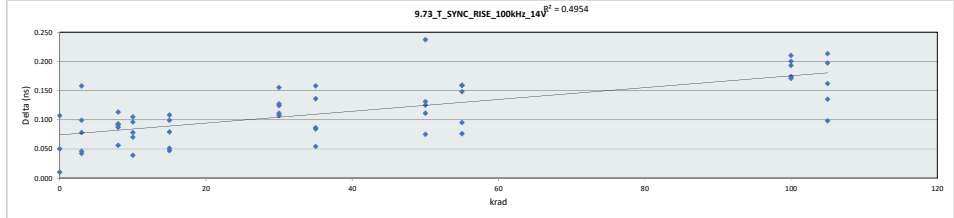


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

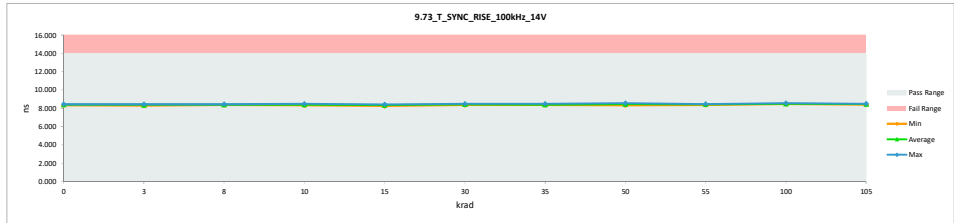
9.73_T_SYNC_RISE_100kHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.426	8.436	0.010
0	726	8.287	8.337	0.050
0	791	8.253	8.360	0.107
3	689	8.322	8.421	0.099
3	688	8.348	8.390	0.042
3	700	8.235	8.281	0.046
3	482	8.281	8.439	0.158
3	1033	8.284	8.336	0.078
8	442	8.307	8.363	0.056
8	699	8.343	8.430	0.087
8	344	8.255	8.348	0.093
8	355	8.228	8.341	0.113
8	750	8.336	8.427	0.091
10	437	8.373	8.478	0.105
10	396	8.368	8.438	0.070
10	521	8.298	8.337	0.039
10	535	8.333	8.429	0.096
10	526	8.233	8.311	0.078
15	940	8.268	8.376	0.108
15	387	8.348	8.395	0.047
15	787	8.193	8.244	0.051
15	1042	8.325	8.404	0.079
15	483	8.261	8.360	0.099
30	597	8.344	8.471	0.127
30	853	8.238	8.349	0.111
30	416	8.280	8.435	0.155
30	949	8.302	8.409	0.107
30	221	8.271	8.395	0.124
35	538	8.418	8.472	0.054
35	164	8.233	8.391	0.158
35	1018	8.284	8.370	0.086
35	462	8.310	8.394	0.084
35	1032	8.217	8.353	0.136
50	566	8.282	8.519	0.237
50	197	8.226	8.301	0.075
50	793	8.265	8.376	0.111
50	802	8.431	8.556	0.125
50	61	8.336	8.467	0.131
55	795	8.303	8.462	0.159
55	921	8.259	8.418	0.159
55	741	8.282	8.358	0.076
55	809	8.251	8.399	0.148
55	804	8.330	8.425	0.095
100	449	8.374	8.548	0.174
100	541	8.310	8.510	0.200
100	476	8.247	8.457	0.210
100	45	8.299	8.470	0.171
100	642	8.295	8.488	0.193
105	1036	8.339	8.474	0.135
105	1038	8.286	8.483	0.197
105	203	8.271	8.433	0.162
105	1029	8.241	8.454	0.213
105	1027	8.295	8.393	0.098
105	Max	8.431	8.556	0.237
105	Average	8.296	8.410	0.113
105	Min	8.193	8.244	0.010
105	Std Dev	0.053	0.065	0.051



9.73_T_SYNC_RISE_100kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.337	8.281	8.341	8.311	8.244	8.349	8.353	8.301	8.358	8.457	8.393
Average	8.378	8.373	8.382	8.399	8.356	8.412	8.396	8.444	8.412	8.495	8.447
Max	8.436	8.439	8.430	8.478	8.404	8.471	8.472	8.556	8.462	8.548	8.483
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

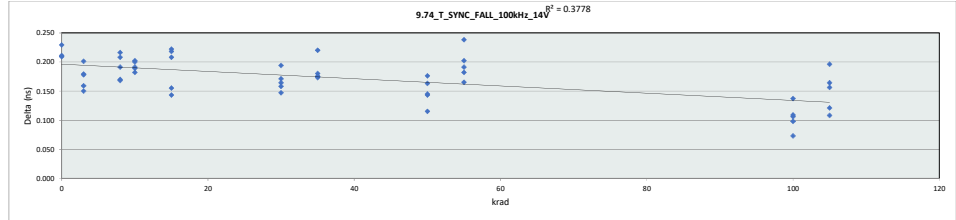


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

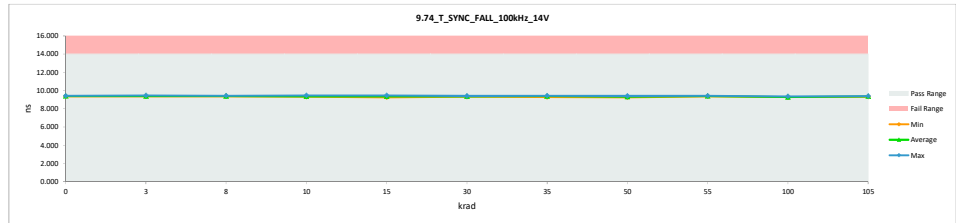
9.74_T_SYNC_FALL_100kHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	9.141	9.370	0.229
0	726	9.211	9.420	0.209
0	791	9.182	9.393	0.211
3	689	9.175	9.354	0.179
3	688	9.182	9.383	0.201
3	700	9.273	9.451	0.178
3	482	9.190	9.349	0.159
3	1033	9.209	9.359	0.150
8	442	9.219	9.435	0.216
8	699	9.175	9.366	0.191
8	344	9.204	9.412	0.208
8	355	9.248	9.416	0.168
8	790	9.196	9.366	0.170
10	537	9.108	9.310	0.202
10	396	9.136	9.336	0.200
10	521	9.186	9.377	0.191
10	535	9.177	9.366	0.189
10	526	9.277	9.459	0.182
15	940	9.176	9.398	0.222
15	387	9.139	9.357	0.218
15	787	9.241	9.449	0.208
15	1042	9.100	9.243	0.143
15	483	9.246	9.401	0.155
30	597	9.154	9.318	0.164
30	853	9.198	9.345	0.147
30	416	9.208	9.379	0.171
30	949	9.203	9.397	0.194
30	221	9.222	9.380	0.158
35	538	9.102	9.282	0.180
35	164	9.234	9.409	0.175
35	1018	9.194	9.367	0.173
35	462	9.231	9.406	0.175
35	1032	9.214	9.434	0.220
50	566	9.140	9.316	0.176
50	197	9.258	9.373	0.115
50	793	9.240	9.403	0.163
50	802	9.121	9.264	0.143
50	61	9.199	9.344	0.145
55	795	9.189	9.354	0.165
55	921	9.229	9.420	0.191
55	741	9.202	9.404	0.202
55	809	9.186	9.368	0.182
55	804	9.179	9.417	0.238
100	449	9.159	9.268	0.109
100	541	9.179	9.277	0.098
100	476	9.213	9.350	0.137
100	45	9.174	9.280	0.106
100	642	9.231	9.304	0.073
105	1036	9.170	9.326	0.156
105	1038	9.200	9.321	0.121
105	203	9.259	9.367	0.108
105	1029	9.210	9.374	0.164
105	1027	9.192	9.388	0.196
105	Max	9.277	9.459	0.238
105	Average	9.194	9.366	0.172
105	Min	9.100	9.243	0.073
105	Std Dev	0.041	0.050	0.036



9.74_T_SYNC_FALL_100kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	9.370	9.349	9.366	9.310	9.243	9.318	9.282	9.264	9.354	9.268	9.321
Average	9.394	9.379	9.399	9.370	9.370	9.364	9.380	9.340	9.393	9.296	9.355
Max	9.420	9.451	9.435	9.459	9.449	9.397	9.434	9.403	9.420	9.350	9.388
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

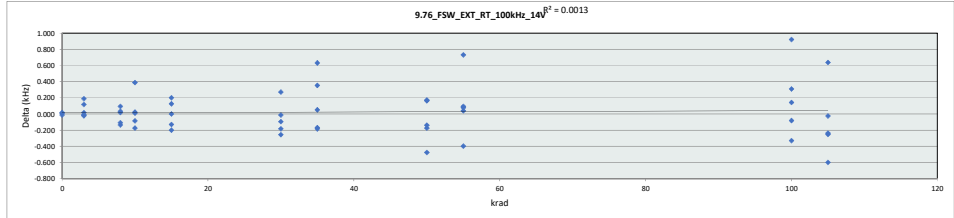


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

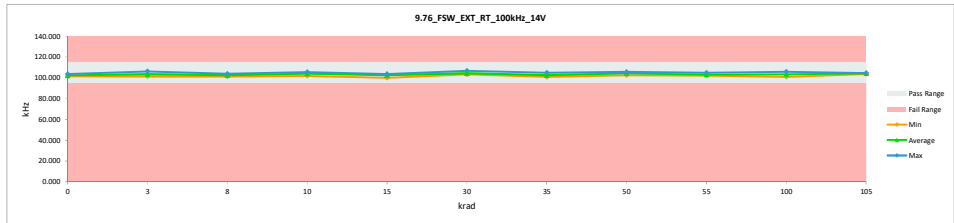
9.76_FSW_EXT_RT_100kHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	115
Min Limit	95

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	101.424	101.440	0.016
0	726	101.664	101.649	-0.015
0	791	103.564	103.571	0.007
3	689	102.638	102.653	0.015
3	688	103.899	103.886	-0.013
3	700	101.059	101.247	0.188
3	482	106.057	106.173	0.116
3	1033	103.425	103.420	-0.005
8	442	103.766	103.798	0.032
8	699	103.205	103.095	-0.110
8	344	102.643	102.661	0.018
8	355	101.906	101.999	0.093
8	790	101.249	101.111	-0.138
10	537	101.637	101.695	0.058
10	396	103.684	103.597	-0.087
10	521	105.224	105.048	-0.176
10	535	105.474	105.483	0.009
10	526	104.013	104.400	0.387
15	940	103.125	103.324	0.199
15	387	103.097	102.895	-0.202
15	787	102.916	102.915	-0.001
15	1042	100.029	99.898	-0.131
15	483	103.433	103.558	0.125
30	597	103.248	103.151	-0.097
30	853	106.499	106.768	0.269
30	416	104.008	103.824	-0.184
30	949	104.491	104.234	-0.257
30	221	103.666	103.652	-0.014
35	538	105.114	104.943	-0.171
35	164	102.153	102.783	0.630
35	1018	101.766	102.118	0.352
35	462	100.693	100.743	0.050
35	1032	102.418	102.233	-0.185
50	566	104.221	104.382	0.161
50	197	105.362	105.532	0.170
50	793	105.598	105.423	-0.175
50	802	104.046	103.568	-0.478
50	61	102.590	102.449	-0.141
55	795	102.413	102.014	-0.399
55	921	102.497	102.535	0.038
55	741	104.649	104.741	0.092
55	809	103.950	104.026	0.076
55	804	101.489	102.218	0.729
100	449	100.450	100.758	0.308
100	541	102.895	102.812	-0.083
100	476	103.515	103.184	-0.331
100	45	105.611	105.752	0.141
100	642	103.004	103.523	0.519
105	1036	103.931	104.566	0.635
105	1038	103.707	103.681	-0.026
105	203	104.589	104.335	-0.254
105	1029	105.141	104.540	-0.601
105	1027	103.897	103.659	-0.238
105	Max	106.499	106.768	0.269
105	Average	103.336	103.360	0.024
105	Min	100.029	99.898	-0.131
105	Std Dev	1.481	1.458	0.282



9.76_FSW_EXT_RT_100kHz_14	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	115
Min Limit	95

krad	0	3	8	10	15	30	35	50	55	100	105
LL	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000	95.000
Min	101.440	101.247	101.111	101.695	99.898	103.151	100.743	102.449	102.014	100.758	103.659
Average	102.220	103.476	102.533	104.045	102.518	104.326	102.564	104.271	103.107	103.286	104.156
Max	103.571	106.173	103.798	105.483	103.558	104.943	105.532	104.741	105.752	104.566	
UL	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000	115.000

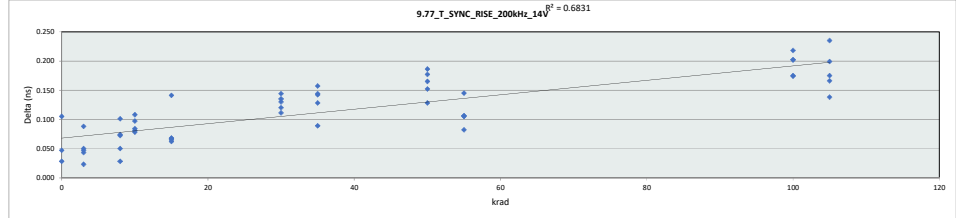


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

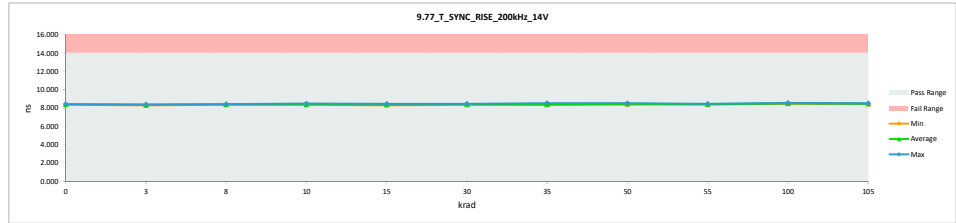
9.77_T_SYNC_RISE_200kHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.380	8.427	0.047
0	726	8.333	8.361	0.028
0	791	8.254	8.359	0.105
3	689	8.341	8.391	0.050
3	688	8.303	8.350	0.047
3	700	8.195	8.283	0.088
3	482	8.332	8.355	0.023
3	1033	8.252	8.335	0.043
8	442	8.295	8.367	0.072
8	699	8.320	8.421	0.101
8	344	8.298	8.348	0.050
8	355	8.295	8.369	0.074
8	750	8.380	8.408	0.028
10	537	8.370	8.484	0.081
10	396	8.355	8.433	0.078
10	521	8.272	8.356	0.084
10	535	8.343	8.440	0.097
10	526	8.229	8.337	0.108
15	940	8.285	8.352	0.067
15	387	8.321	8.462	0.141
15	787	8.248	8.310	0.062
15	1042	8.330	8.395	0.065
15	483	8.241	8.309	0.068
30	597	8.349	8.460	0.111
30	853	8.235	8.355	0.130
30	416	8.280	8.415	0.135
30	949	8.268	8.412	0.144
30	221	8.259	8.379	0.120
35	538	8.396	8.538	0.142
35	164	8.233	8.377	0.144
35	1018	8.257	8.414	0.157
35	462	8.284	8.412	0.128
35	1032	8.224	8.313	0.089
50	566	8.337	8.465	0.128
50	197	8.161	8.338	0.177
50	793	8.271	8.457	0.186
50	802	8.376	8.528	0.152
50	61	8.308	8.473	0.165
55	795	8.321	8.427	0.106
55	921	8.296	8.378	0.082
55	741	8.279	8.424	0.145
55	809	8.270	8.375	0.105
55	804	8.342	8.448	0.106
100	449	8.372	8.546	0.174
100	541	8.310	8.512	0.202
100	476	8.261	8.463	0.202
100	45	8.268	8.486	0.218
100	642	8.271	8.446	0.175
105	1036	8.309	8.508	0.199
105	1038	8.249	8.484	0.235
105	203	8.240	8.415	0.175
105	1029	8.288	8.426	0.138
105	1027	8.270	8.436	0.166
105	Max	8.403	8.546	0.235
105	Average	8.295	8.411	0.116
105	Min	8.161	8.283	0.023
105	Std Dev	0.051	0.063	0.053



9.77_T_SYNC_RISE_200kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.359	8.283	8.348	8.337	8.309	8.355	8.313	8.338	8.375	8.446	8.415
Average	8.302	8.343	8.383	8.410	8.366	8.404	8.411	8.452	8.410	8.491	8.454
Max	8.427	8.391	8.421	8.484	8.462	8.460	8.538	8.528	8.448	8.546	8.508
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

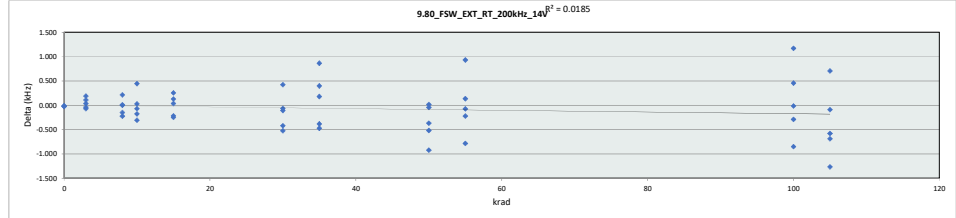


HDR TID Report  
TPS7H5004-SP QMLP

kRad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

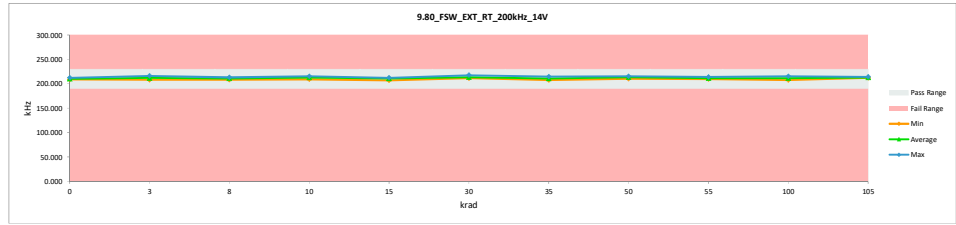
9.80_FSW_EXT_RT_200kHz_14V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
230	190
230	190

kRad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	208.934	208.925	-0.009
0	726	209.652	209.626	-0.026
0	791	212.561	212.536	-0.025
3	689	210.946	210.977	0.031
3	688	212.441	212.401	-0.040
3	700	208.011	208.198	0.187
3	482	216.355	216.463	0.108
3	1033	212.127	212.165	-0.072
8	442	213.288	213.285	-0.003
8	699	211.342	211.191	-0.151
8	344	211.549	211.557	0.008
8	355	210.099	210.311	0.212
8	790	208.789	208.563	-0.226
10	437	209.399	209.427	0.028
10	396	212.907	212.727	-0.180
10	521	215.447	215.139	-0.308
10	535	215.436	215.364	-0.072
10	526	212.814	213.257	0.443
15	940	211.035	211.288	0.253
15	387	212.248	211.997	-0.251
15	787	211.402	211.437	0.035
15	1042	207.492	207.272	-0.220
15	483	212.288	212.415	0.127
30	597	211.611	211.545	-0.066
30	853	217.331	217.752	0.421
30	416	213.345	213.521	-0.424
30	949	213.729	213.203	-0.526
30	221	212.577	212.468	-0.109
35	538	214.954	214.569	-0.385
35	164	210.114	210.977	0.863
35	1018	209.822	210.220	0.398
35	462	207.516	207.695	0.179
35	1032	210.904	210.429	-0.475
50	566	213.434	213.448	0.014
50	197	215.534	215.489	-0.045
50	793	216.003	215.482	-0.521
50	802	213.517	212.592	-0.925
50	61	210.926	210.557	-0.369
55	795	210.683	209.897	-0.786
55	921	210.562	210.486	-0.076
55	741	214.171	213.948	-0.223
55	809	212.992	213.127	0.135
55	804	209.367	210.296	0.929
100	449	207.398	207.850	0.452
100	541	211.593	211.300	-0.293
100	476	212.351	211.500	-0.851
100	45	215.534	215.518	-0.016
100	642	211.020	212.189	1.169
105	1036	213.388	214.091	0.703
105	1038	212.550	212.457	-0.093
105	203	214.434	213.744	-0.690
105	1029	214.904	213.635	-1.269
105	1027	212.938	212.356	-0.582
105		217.331	217.752	1.169
	Max			
	Average	212.111	212.043	-0.068
	Min	207.398	207.272	-1.269
	Std Dev	2.384	2.292	0.450



9.80_FSW_EXT_RT_200kHz_14	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
230	190
230	190

kRad	0	3	8	10	15	30	35	50	55	100	105
LL	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000	190.000
Min	208.925	208.198	208.563	209.427	207.272	211.545	207.695	210.557	209.897	207.850	212.356
Average	210.362	212.041	210.981	213.183	210.882	213.578	210.778	213.514	211.551	211.671	213.257
Max	212.536	216.463	213.285	215.364	212.415	214.569	215.489	213.948	215.518	214.091	
UL	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000	230.000

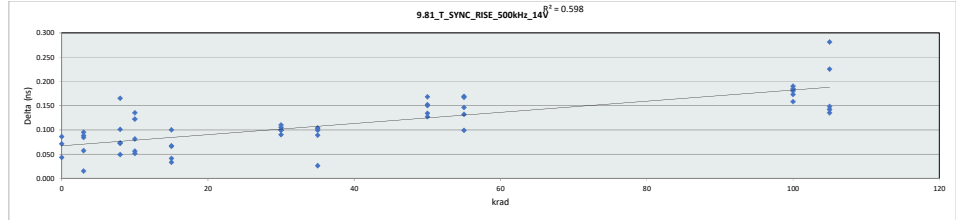


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

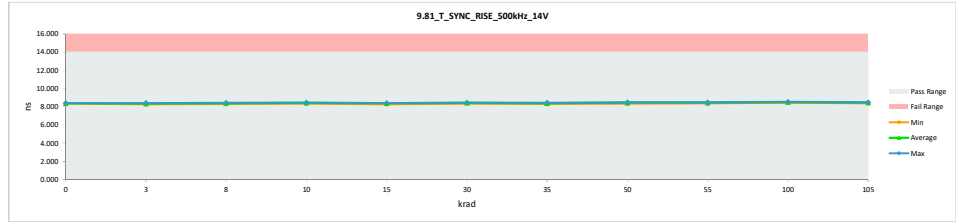
9.81_T_SYNC_RISE_500kHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.371	8.414	0.043
0	726	8.247	8.333	0.086
0	791	8.252	8.323	0.071
3	689	8.323	8.418	0.095
3	688	8.293	8.377	0.084
3	700	8.209	8.266	0.057
3	482	8.292	8.380	0.088
3	1033	8.274	8.286	0.015
8	442	8.226	8.391	0.165
8	699	8.320	8.421	0.101
8	344	8.311	8.384	0.073
8	355	8.266	8.315	0.049
8	790	8.343	8.415	0.072
10	537	8.376	8.457	0.081
10	396	8.322	8.378	0.056
10	521	8.292	8.343	0.051
10	535	8.346	8.468	0.122
10	526	8.236	8.371	0.135
15	940	8.296	8.363	0.067
15	387	8.377	8.410	0.033
15	787	8.225	8.266	0.041
15	1042	8.341	8.407	0.066
15	483	8.257	8.357	0.100
30	597	8.357	8.462	0.105
30	853	8.253	8.343	0.090
30	416	8.279	8.389	0.110
30	949	8.273	8.372	0.099
30	221	8.318	8.418	0.100
35	538	8.356	8.455	0.099
35	164	8.253	8.357	0.104
35	1018	8.254	8.343	0.089
35	462	8.290	8.392	0.102
35	1032	8.283	8.309	0.026
50	566	8.292	8.460	0.168
50	197	8.212	8.339	0.127
50	793	8.246	8.380	0.134
50	802	8.337	8.489	0.152
50	61	8.339	8.489	0.150
55	795	8.285	8.452	0.167
55	921	8.227	8.359	0.132
55	741	8.268	8.437	0.169
55	809	8.312	8.411	0.099
55	804	8.341	8.487	0.146
100	449	8.358	8.531	0.173
100	541	8.339	8.497	0.158
100	476	8.280	8.464	0.184
100	45	8.296	8.476	0.180
100	642	8.265	8.455	0.190
105	1036	8.319	8.461	0.142
105	1038	8.215	8.496	0.281
105	203	8.251	8.386	0.135
105	1029	8.252	8.477	0.225
105	1027	8.268	8.406	0.148
105		8.377	8.531	0.281
	Max	8.291	8.403	0.112
	Average	8.209	8.266	0.015
	Min	8.209	8.266	0.015
	Std Dev	0.046	0.063	0.053



9.81_T_SYNC_RISE_500kHz_1	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.323	8.266	8.315	8.343	8.266	8.343	8.309	8.339	8.359	8.455	8.386
Average	8.357	8.345	8.385	8.403	8.361	8.397	8.371	8.431	8.429	8.485	8.445
Max	8.414	8.418	8.421	8.468	8.410	8.462	8.455	8.489	8.487	8.531	8.496
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000



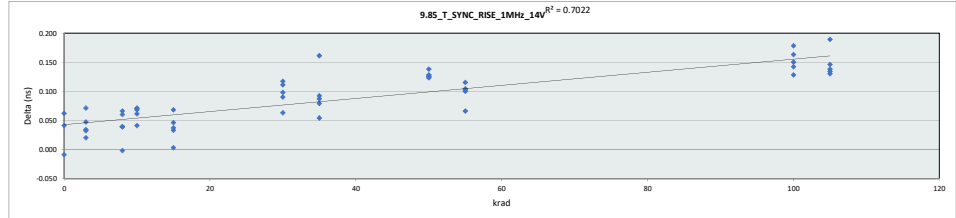


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

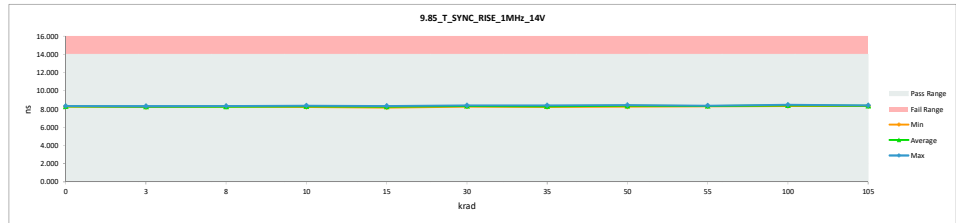
9.85_T_SYNC_RISE_1MHZ_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.330	8.321	-0.009
0	726	8.219	8.260	0.041
0	791	8.191	8.253	0.062
3	689	8.274	8.308	0.034
3	688	8.244	8.264	0.020
3	700	8.132	8.203	0.071
3	482	8.224	8.271	0.047
3	1033	8.217	8.249	0.032
8	442	8.207	8.267	0.060
8	699	8.283	8.322	0.039
8	344	8.204	8.243	0.039
8	355	8.190	8.256	0.066
8	750	8.286	8.284	-0.002
10	537	8.332	8.373	0.041
10	396	8.261	8.329	0.068
10	521	8.219	8.280	0.061
10	535	8.263	8.333	0.070
10	526	8.153	8.224	0.071
15	940	8.222	8.255	0.033
15	387	8.262	8.308	0.046
15	787	8.159	8.162	0.003
15	1042	8.264	8.332	0.068
15	483	8.172	8.209	0.037
30	597	8.277	8.388	0.111
30	853	8.186	8.276	0.090
30	416	8.196	8.313	0.117
30	949	8.266	8.329	0.063
30	221	8.198	8.296	0.098
35	538	8.316	8.395	0.079
35	164	8.190	8.282	0.092
35	1018	8.203	8.290	0.087
35	462	8.218	8.379	0.161
35	1032	8.176	8.230	0.054
50	566	8.282	8.407	0.125
50	197	8.107	8.245	0.138
50	793	8.164	8.290	0.126
50	802	8.301	8.429	0.128
50	61	8.268	8.391	0.123
55	795	8.237	8.337	0.100
55	921	8.195	8.299	0.104
55	741	8.237	8.303	0.066
55	809	8.199	8.302	0.103
55	804	8.254	8.369	0.115
100	449	8.312	8.454	0.142
100	541	8.260	8.410	0.150
100	476	8.188	8.366	0.178
100	45	8.212	8.340	0.128
100	642	8.195	8.358	0.163
105	1036	8.245	8.375	0.130
105	1038	8.195	8.384	0.189
105	203	8.184	8.322	0.138
105	1029	8.196	8.342	0.146
105	1027	8.184	8.318	0.134
105	Max	8.332	8.454	0.189
	Average	8.225	8.312	0.086
	Min	8.107	8.162	-0.009
	Std Dev	0.050	0.062	0.048



9.85_T_SYNC_RISE_1MHZ_14V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.253	8.203	8.243	8.224	8.162	8.276	8.230	8.245	8.299	8.340	8.318
Average	8.278	8.259	8.274	8.308	8.253	8.320	8.315	8.352	8.322	8.386	8.348
Max	8.321	8.308	8.322	8.373	8.332	8.388	8.395	8.429	8.369	8.454	8.384
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

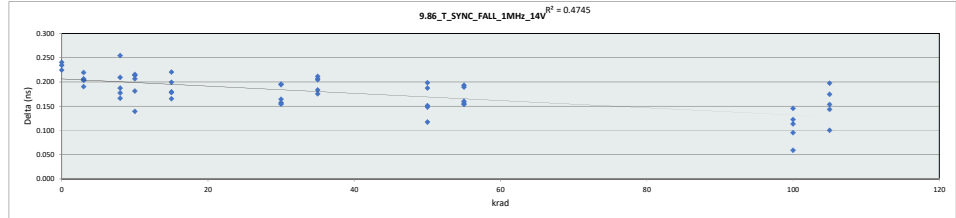


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

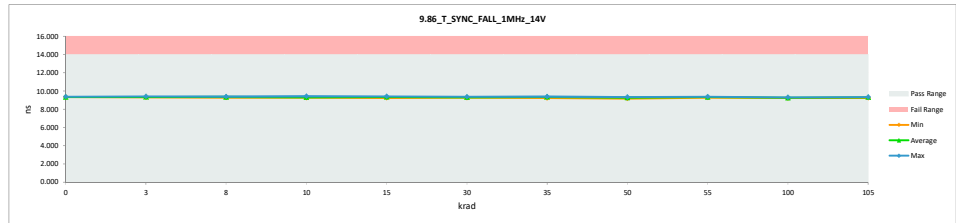
9.86_T_SYNC_FALL_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	9.098	9.338	0.240
0	726	9.143	9.377	0.234
0	791	9.122	9.346	0.224
3	689	9.107	9.313	0.206
3	688	9.134	9.353	0.219
3	700	9.198	9.401	0.203
3	482	9.129	9.319	0.190
3	1033	9.131	9.335	0.204
8	442	9.179	9.366	0.187
8	699	9.123	9.289	0.166
8	344	9.134	9.388	0.254
8	355	9.186	9.395	0.209
8	790	9.198	9.335	0.177
10	537	9.054	9.260	0.206
10	396	9.115	9.296	0.181
10	521	9.170	9.309	0.139
10	535	9.059	9.274	0.215
10	526	9.216	9.429	0.213
15	940	9.160	9.338	0.178
15	387	9.111	9.310	0.199
15	787	9.193	9.413	0.220
15	1042	9.079	9.244	0.165
15	483	9.191	9.370	0.179
30	597	9.111	9.265	0.154
30	853	9.126	9.283	0.157
30	416	9.152	9.347	0.195
30	949	9.182	9.346	0.164
30	221	9.172	9.366	0.194
35	538	9.027	9.238	0.211
35	164	9.188	9.363	0.175
35	1018	9.153	9.336	0.183
35	462	9.185	9.389	0.204
35	1032	9.171	9.377	0.206
50	566	9.123	9.271	0.148
50	197	9.158	9.345	0.187
50	793	9.194	9.345	0.151
50	802	9.067	9.184	0.117
50	61	9.110	9.308	0.198
55	795	9.157	9.317	0.160
55	921	9.185	9.378	0.193
55	741	9.182	9.335	0.153
55	809	9.157	9.346	0.189
55	804	9.138	9.294	0.156
100	449	9.106	9.228	0.122
100	541	9.145	9.240	0.095
100	476	9.164	9.309	0.145
100	45	9.141	9.254	0.113
100	642	9.217	9.276	0.059
105	1036	9.115	9.289	0.174
105	1038	9.152	9.252	0.100
105	203	9.177	9.330	0.153
105	1029	9.185	9.328	0.143
105	1027	9.138	9.335	0.197
105	Max	9.217	9.429	0.254
105	Average	9.145	9.322	0.177
105	Min	9.027	9.184	0.059
105	Std Dev	0.042	0.052	0.038



9.86_T_SYNC_FALL_1MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	9.338	9.313	9.289	9.260	9.244	9.265	9.238	9.184	9.294	9.228	9.252
Average	9.354	9.244	9.355	9.314	9.335	9.321	9.341	9.291	9.334	9.261	9.307
Max	9.377	9.401	9.395	9.429	9.413	9.366	9.389	9.345	9.378	9.309	9.335
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

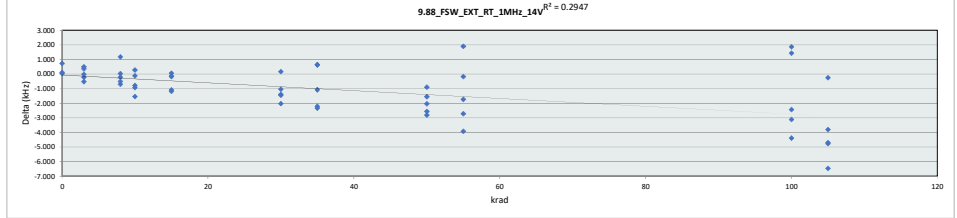


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

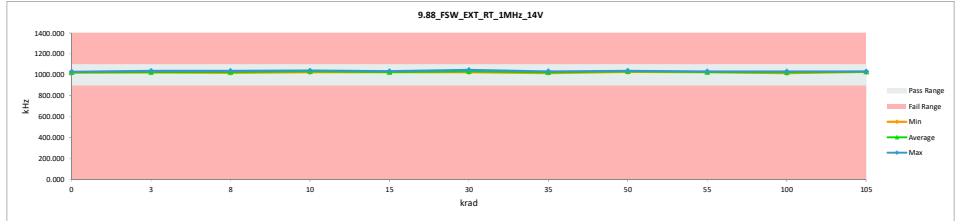
9.88_FSW_EXT_RT_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	1100
Min Limit	900

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1018.900	1019.626	0.726
0	726	1026.757	1026.786	0.029
0	791	1029.824	1029.935	0.111
3	689	1027.707	1027.686	-0.021
3	688	1030.281	1030.630	0.349
3	700	1020.146	1020.640	0.494
3	482	1037.746	1037.514	-0.232
3	1033	1028.404	1028.404	-0.524
8	442	1037.848	1037.873	0.025
8	699	1027.598	1026.899	-0.699
8	344	1032.719	1032.212	-0.507
8	355	1025.583	1026.755	1.172
8	790	1017.450	1017.238	-0.212
10	537	1023.372	1023.247	-0.125
10	396	1036.167	1035.232	-0.935
10	521	1042.433	1040.886	-1.547
10	535	1039.469	1038.690	-0.779
10	526	1030.218	1030.490	0.272
15	940	1023.035	1022.861	-0.174
15	387	1036.270	1035.182	-1.088
15	787	1029.136	1028.995	-0.141
15	1042	1025.343	1024.152	-1.191
15	483	1029.780	1029.832	0.052
30	597	1024.957	1023.912	-1.045
30	853	1047.193	1047.355	0.162
30	416	1031.275	1029.884	-1.391
30	949	1031.607	1029.577	-2.030
30	221	1031.188	1029.732	-1.456
35	538	1036.808	1034.589	-2.219
35	164	1018.647	1019.276	0.629
35	1018	1025.763	1026.392	0.629
35	462	1017.972	1016.885	-1.087
35	1032	1029.277	1026.938	-2.339
50	566	1034.459	1032.905	-1.554
50	197	1038.997	1036.960	-2.037
50	793	1042.402	1039.837	-2.565
50	802	1035.806	1033.066	-2.820
50	61	1028.826	1027.921	-0.905
55	795	1027.164	1023.234	-3.930
55	921	1024.780	1023.039	-1.741
55	741	1031.696	1028.975	-2.721
55	809	1033.471	1033.292	-0.179
55	804	1022.427	1024.322	1.895
100	449	1013.296	1014.722	1.426
100	541	1028.696	1026.256	-2.440
100	476	1029.871	1025.481	-4.390
100	45	1036.908	1033.790	-3.118
100	642	1022.306	1024.170	1.864
105	1036	1032.370	1032.115	-0.255
105	1038	1032.169	1027.468	-4.701
105	203	1036.428	1031.654	-4.774
105	1029	1033.611	1027.139	-6.472
105	1027	1034.119	1030.313	-3.806
105	Max	1047.193	1047.355	1.895
105	Average	1030.024	1028.924	-1.100
105	Min	1013.296	1014.722	-6.472
105	Std Dev	6.959	6.433	1.758



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000	900.000
Min	1019.626	1020.640	1017.238	1023.247	1022.861	1023.912	1016.885	1027.921	1023.039	1014.722	1027.139
Average	1025.449	1029.975	1028.195	1033.709	1028.204	1032.092	1024.816	1034.138	1026.572	1024.884	1029.738
Max	1029.935	1037.514	1037.873	1040.886	1035.182	1047.355	1034.589	1039.837	1033.292	1033.790	1032.115
UL	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000	1100.000

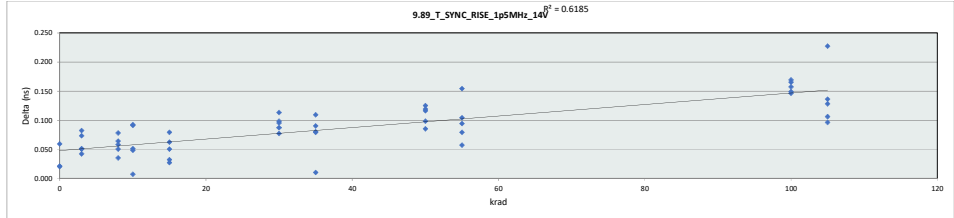


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

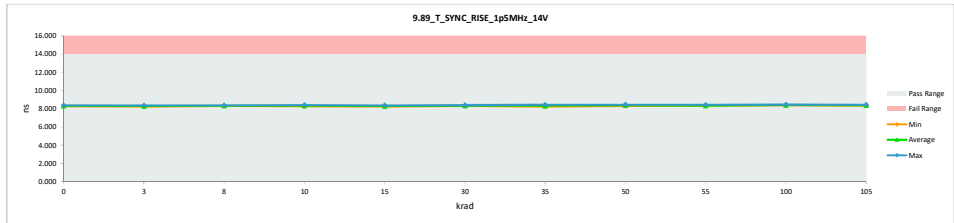
9.89_T_SYNC_RISE_1p5MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.351	8.371	0.020
0	726	8.253	8.274	0.021
0	791	8.243	8.302	0.059
3	689	8.280	8.353	0.073
3	688	8.277	8.359	0.082
3	700	8.171	8.222	0.051
3	482	8.256	8.306	0.050
3	1033	8.267	8.269	0.042
8	442	8.273	8.337	0.064
8	699	8.300	8.378	0.078
8	344	8.269	8.319	0.050
8	355	8.235	8.293	0.058
8	790	8.301	8.336	0.035
10	437	8.333	8.381	0.048
10	396	8.318	8.369	0.051
10	521	8.244	8.335	0.091
10	535	8.318	8.410	0.092
10	526	8.248	8.255	0.007
15	940	8.233	8.295	0.062
15	387	8.321	8.371	0.050
15	787	8.197	8.224	0.027
15	1042	8.327	8.359	0.032
15	483	8.188	8.267	0.079
30	597	8.277	8.390	0.113
30	853	8.228	8.323	0.095
30	416	8.253	8.340	0.087
30	949	8.253	8.351	0.098
30	221	8.237	8.314	0.077
35	538	8.350	8.430	0.080
35	164	8.221	8.231	0.010
35	1018	8.215	8.324	0.109
35	462	8.241	8.320	0.079
35	1032	8.203	8.293	0.090
50	566	8.308	8.406	0.098
50	197	8.176	8.301	0.125
50	793	8.226	8.345	0.119
50	802	8.372	8.457	0.085
50	61	8.297	8.413	0.116
55	795	8.257	8.361	0.104
55	921	8.229	8.323	0.094
55	741	8.238	8.317	0.079
55	809	8.279	8.336	0.057
55	804	8.266	8.420	0.154
100	449	8.302	8.459	0.157
100	541	8.288	8.453	0.165
100	476	8.234	8.403	0.169
100	45	8.243	8.389	0.146
100	642	8.232	8.381	0.149
105	1036	8.289	8.417	0.128
105	1038	8.208	8.435	0.227
105	203	8.219	8.355	0.136
105	1029	8.238	8.344	0.106
105	1027	8.355	8.351	0.096
105	Max	8.372	8.459	0.227
105	Average	8.260	8.347	0.086
105	Min	8.171	8.222	0.007
105	Std Dev	0.045	0.058	0.045



9.89_T_SYNC_RISE_1p5MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.274	8.222	8.293	8.255	8.224	8.314	8.231	8.301	8.317	8.381	8.344
Average	8.316	8.302	8.333	8.350	8.303	8.344	8.320	8.384	8.351	8.417	8.380
Max	8.371	8.359	8.378	8.410	8.371	8.390	8.430	8.457	8.420	8.459	8.435
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

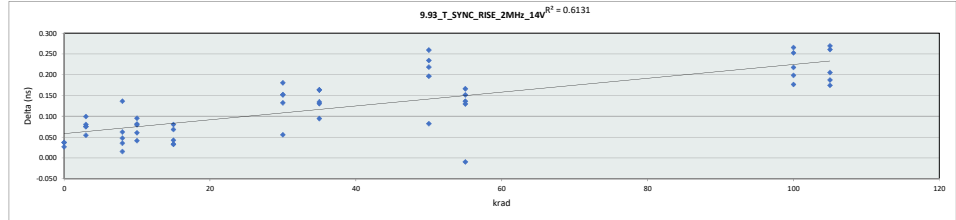


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

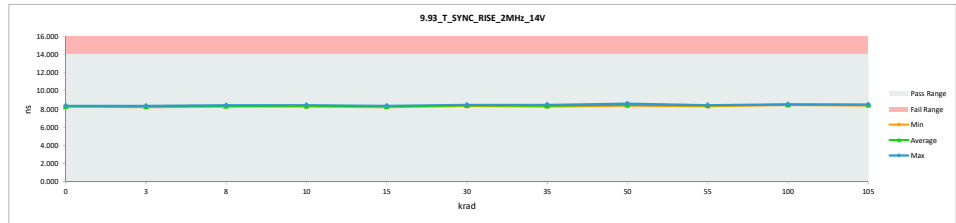
9.93_T_SYNC_RISE_2MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.328	8.354	0.026
0	726	8.227	8.264	0.037
0	791	8.246	8.282	0.036
3	689	8.260	8.340	0.080
3	688	8.218	8.293	0.075
3	700	8.153	8.207	0.054
3	482	8.254	8.329	0.075
3	1033	8.269	8.269	0.099
8	442	8.284	8.299	0.015
8	699	8.290	8.352	0.062
8	344	8.226	8.261	0.035
8	355	8.220	8.267	0.047
8	750	8.271	8.407	0.136
10	537	8.254	8.435	0.081
10	396	8.299	8.378	0.079
10	521	8.248	8.289	0.041
10	535	8.318	8.413	0.095
10	526	8.182	8.242	0.060
15	940	8.256	8.324	0.068
15	387	8.322	8.354	0.032
15	787	8.162	8.204	0.042
15	1042	8.301	8.334	0.033
15	483	8.200	8.280	0.080
30	597	8.319	8.451	0.132
30	853	8.270	8.325	0.055
30	416	8.247	8.399	0.152
30	949	8.251	8.402	0.151
30	221	8.205	8.385	0.180
35	538	8.315	8.478	0.163
35	164	8.245	8.375	0.130
35	1018	8.205	8.339	0.134
35	462	8.239	8.402	0.163
35	1032	8.155	8.249	0.094
50	566	8.274	8.508	0.234
50	197	8.135	8.353	0.218
50	793	8.244	8.440	0.196
50	802	8.331	8.590	0.259
50	61	8.288	8.370	0.082
55	795	8.256	8.422	0.166
55	921	8.216	8.367	0.151
55	741	8.272	8.408	0.136
55	809	8.288	8.278	-0.010
55	804	8.292	8.421	0.129
100	449	8.338	8.514	0.176
100	541	8.292	8.490	0.198
100	476	8.187	8.452	0.265
100	45	8.225	8.442	0.217
100	642	8.221	8.473	0.252
105	1036	8.286	8.491	0.205
105	1038	8.214	8.483	0.269
105	203	8.232	8.419	0.187
105	1029	8.204	8.378	0.174
105	1027	8.208	8.468	0.260
105	Max	8.354	8.590	0.236
105	Average	8.250	8.373	0.123
105	Min	8.135	8.204	-0.010
105	Std Dev	0.052	0.086	0.076



9.93_T_SYNC_RISE_2MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	8.264	8.207	8.261	8.242	8.204	8.325	8.249	8.353	8.278	8.442	8.378
Average	8.300	8.288	8.317	8.351	8.299	8.392	8.369	8.452	8.379	8.474	8.448
Max	8.354	8.340	8.407	8.435	8.354	8.451	8.478	8.590	8.422	8.514	8.491
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

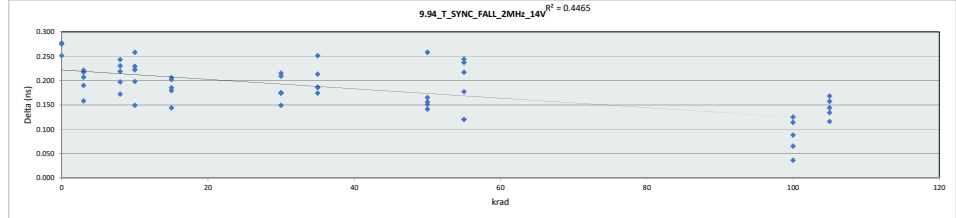


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

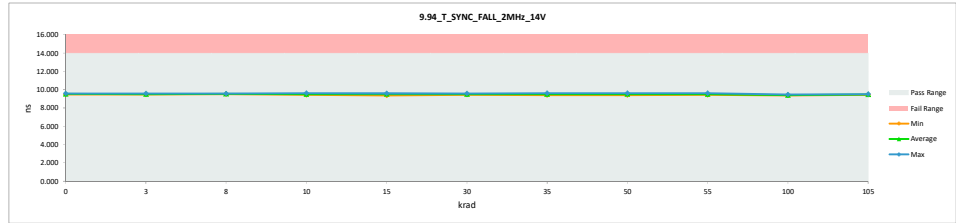
9.94_T_SYNC_FALL_2MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	14 14
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	9.210	9.487	0.277
0	726	9.304	9.579	0.275
0	791	9.286	9.537	0.251
3	689	9.259	9.476	0.217
3	688	9.324	9.545	0.221
3	700	9.377	9.584	0.207
3	482	9.332	9.490	0.158
3	1033	9.310	9.500	0.190
8	442	9.392	9.564	0.172
8	699	9.292	9.522	0.230
8	344	9.315	9.558	0.243
8	355	9.355	9.574	0.219
8	790	9.319	9.516	0.197
10	537	9.299	9.427	0.198
10	396	9.267	9.525	0.258
10	521	9.351	9.500	0.149
10	535	9.308	9.530	0.222
10	526	9.387	9.616	0.229
15	540	9.320	9.499	0.179
15	387	9.317	9.523	0.206
15	787	9.396	9.598	0.202
15	1042	9.217	9.361	0.144
15	483	9.375	9.560	0.185
30	597	9.299	9.448	0.149
30	853	9.350	9.524	0.174
30	416	9.363	9.578	0.215
30	949	9.342	9.551	0.209
30	221	9.338	9.513	0.175
35	538	9.231	9.417	0.186
35	164	9.306	9.519	0.213
35	1018	9.310	9.496	0.186
35	462	9.361	9.612	0.251
35	1032	9.348	9.522	0.174
50	566	9.292	9.457	0.165
50	197	9.349	9.607	0.258
50	793	9.390	9.546	0.156
50	802	9.277	9.418	0.141
50	61	9.320	9.471	0.151
55	795	9.340	9.517	0.177
55	921	9.329	9.546	0.217
55	741	9.363	9.607	0.244
55	809	9.305	9.425	0.120
55	804	9.285	9.522	0.237
100	449	9.249	9.374	0.125
100	541	9.326	9.414	0.088
100	476	9.349	9.463	0.114
100	45	9.328	9.393	0.065
100	642	9.383	9.419	0.036
105	1036	9.309	9.453	0.144
105	1038	9.301	9.458	0.157
105	203	9.407	9.523	0.116
105	1029	9.339	9.473	0.134
105	1027	9.349	9.517	0.168
105	Max	9.407	9.616	0.277
105	Average	9.322	9.507	0.184
105	Min	9.210	9.361	0.036
105	Std Dev	0.046	0.063	0.052



9.94_T_SYNC_FALL_2MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	14 ns
Min Limit	0 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	9.487	9.476	9.516	9.427	9.361	9.448	9.417	9.418	9.425	9.374	9.453
Average	9.534	9.519	9.547	9.520	9.508	9.523	9.513	9.500	9.523	9.413	9.485
Max	9.579	9.584	9.574	9.616	9.598	9.578	9.612	9.607	9.607	9.463	9.523
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

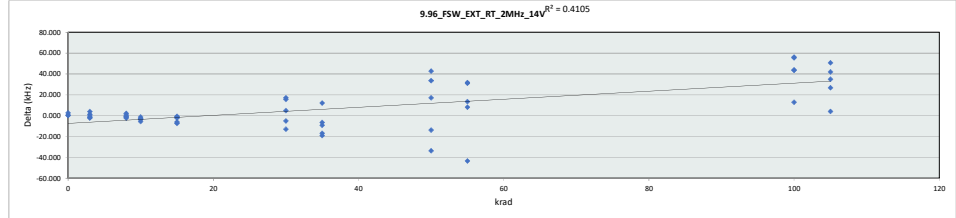


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

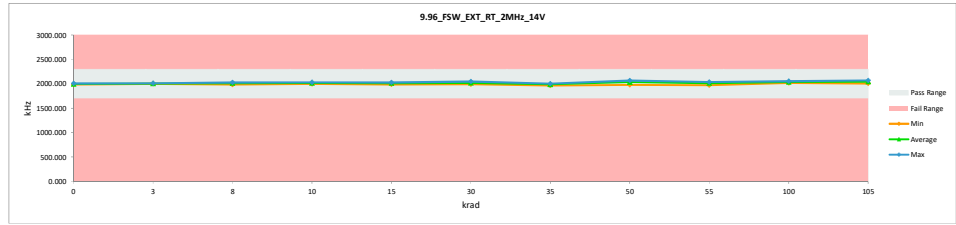
9.96_FSW_EXT_RT_2MHz_14V	
Test Site	
Tester	
Test Number	
Unit	kHz
Max Limit	2300
Min Limit	1700

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1982.790	1985.365	2.575
0	726	2008.240	2008.759	0.519
0	791	1996.428	1996.419	-0.009
3	689	2001.311	2000.894	-0.417
3	688	2012.042	2013.232	1.190
3	700	1999.070	2002.872	3.802
3	482	2014.818	2012.524	-2.294
3	1033	2003.811	2001.529	-1.904
8	442	2029.248	2028.527	-0.721
8	699	2012.129	2009.715	-2.414
8	344	2020.024	2018.505	-1.519
8	355	2007.899	2009.993	2.094
8	790	1982.836	1983.352	0.516
10	437	1998.449	1998.163	-1.386
10	396	2025.224	2021.585	-3.639
10	521	2034.319	2028.645	-5.674
10	535	2026.912	2023.748	-3.164
10	526	2011.212	2008.352	-2.860
15	940	1991.593	1989.283	-2.310
15	387	2032.652	2026.453	-6.199
15	787	2020.455	2018.953	-1.502
15	1042	2008.990	2001.514	-7.476
15	483	2012.122	2011.374	-0.748
30	597	1988.242	1992.950	4.708
30	853	2051.081	2045.964	-5.117
30	416	2004.502	2021.664	17.162
30	949	2007.718	2023.320	15.602
30	221	2013.202	2000.167	-13.035
35	538	2013.261	1994.036	-19.225
35	164	1971.128	1964.579	-6.549
35	1018	2003.811	1994.473	-9.338
35	462	1991.911	2003.893	11.982
35	1032	2004.015	1987.086	-16.929
50	566	2026.011	2012.194	-13.817
50	197	2034.802	2051.864	17.062
50	793	2032.822	2066.369	33.547
50	802	2018.711	2061.452	42.741
50	61	2013.433	1979.703	-33.730
55	795	2007.404	2020.772	13.368
55	921	1991.995	2000.037	8.042
55	741	2002.821	2034.475	31.654
55	809	2014.591	1971.102	-43.489
55	804	1992.768	2023.802	31.034
100	449	1963.195	2018.590	55.395
100	541	1999.088	2042.609	43.521
100	476	2009.148	2052.850	43.702
100	45	2015.501	2028.338	12.837
100	642	1995.851	2052.997	56.146
105	1036	2005.205	2055.885	50.680
105	1038	2008.763	2043.657	34.894
105	203	2028.075	2054.744	26.669
105	1029	2004.907	2008.905	3.998
105	1027	2026.436	2068.389	41.953
105	Max	2051.081	2068.389	56.146
105	Average	2008.956	2016.540	7.584
105	Min	1963.195	1964.579	-43.489
105	Std Dev	16.415	24.606	21.477



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000	1700.000
Min	1985.365	2000.894	1983.352	1998.163	1989.283	1992.950	1964.579	1979.703	1971.102	2018.590	2008.905
Average	1996.848	2006.210	2010.018	2016.099	2009.515	2016.813	1988.813	2034.316	2010.038	2039.077	2046.316
Max	2008.759	2013.232	2028.527	2028.645	2026.453	2003.893	2066.369	2034.475	2052.997	2068.389	
UL	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000	2300.000

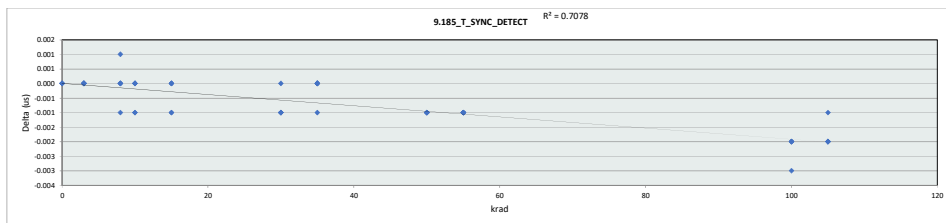


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

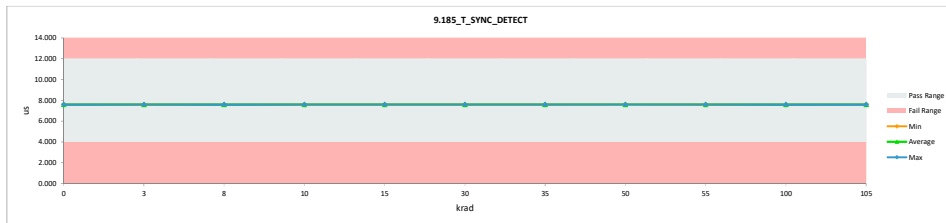
9.185_T_SYNC_DETECT	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	12 12
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	7.586	7.586	0.000
0	726	7.585	7.585	0.000
0	791	7.584	7.584	0.000
3	689	7.585	7.585	0.000
3	688	7.585	7.585	0.000
3	700	7.584	7.584	0.000
3	482	7.585	7.585	0.000
3	1033	7.585	7.585	0.000
8	442	7.586	7.585	-0.001
8	699	7.584	7.584	0.000
8	344	7.585	7.585	0.000
8	355	7.585	7.586	0.001
8	730	7.585	7.585	0.000
10	537	7.585	7.585	0.000
10	396	7.585	7.585	0.000
10	521	7.585	7.584	-0.001
10	535	7.586	7.585	-0.001
10	526	7.585	7.585	0.000
15	940	7.585	7.585	0.000
15	387	7.584	7.584	0.000
15	787	7.585	7.584	-0.001
15	1042	7.585	7.585	0.000
15	483	7.585	7.584	-0.001
30	597	7.585	7.584	-0.001
30	853	7.584	7.584	0.000
30	416	7.585	7.584	-0.001
30	949	7.585	7.584	-0.001
30	221	7.585	7.584	-0.001
35	538	7.585	7.585	0.000
35	164	7.584	7.584	0.000
35	1018	7.584	7.584	0.000
35	462	7.586	7.585	-0.001
35	1032	7.584	7.584	0.000
50	566	7.585	7.584	-0.001
50	197	7.584	7.583	-0.001
50	793	7.585	7.584	-0.001
50	802	7.585	7.584	-0.001
50	61	7.585	7.584	-0.001
55	795	7.585	7.584	-0.001
55	921	7.585	7.584	-0.001
55	741	7.585	7.584	-0.001
55	809	7.585	7.584	-0.001
55	804	7.586	7.585	-0.001
100	449	7.585	7.583	-0.002
100	541	7.585	7.583	-0.002
100	476	7.585	7.582	-0.003
100	45	7.585	7.583	-0.002
100	642	7.584	7.582	-0.002
105	1036	7.585	7.583	-0.002
105	1038	7.585	7.583	-0.002
105	203	7.584	7.583	-0.001
105	1029	7.585	7.583	-0.002
105	1027	7.585	7.583	-0.002
105	Max	7.586	7.586	0.001
	Average	7.585	7.584	-0.001
	Min	7.584	7.582	-0.003
	Std Dev	0.001	0.001	0.001



9.185_T_SYNC_DETECT	
Test Site	
Tester	
Test Number	
Max Limit	12 us
Min Limit	4 us

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	7.584	7.584	7.584	7.584	7.584	7.584	7.584	7.584	7.584	7.582	7.583
Average	7.585	7.585	7.585	7.585	7.585	7.584	7.584	7.584	7.584	7.583	7.583
Max	7.586	7.585	7.586	7.585	7.585	7.584	7.585	7.584	7.585	7.583	7.583
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000



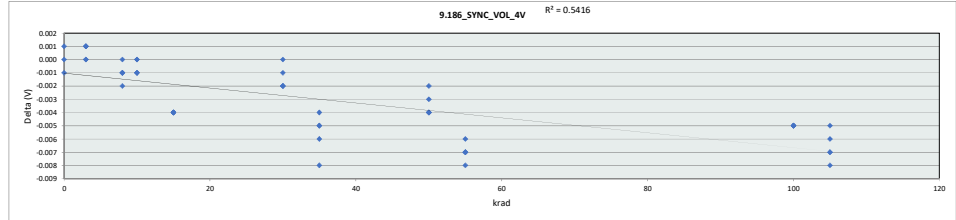


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

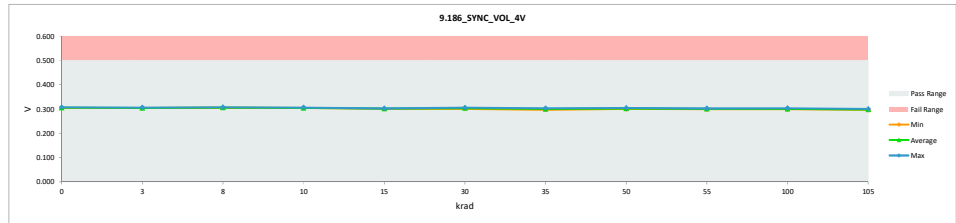
9.186_SYNC_VOL_4V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.308	0.307	-0.001
0	726	0.304	0.304	0.000
0	791	0.304	0.305	0.001
3	689	0.305	0.306	0.001
3	688	0.305	0.305	0.000
3	700	0.304	0.305	0.001
3	482	0.304	0.304	0.000
3	1033	0.304	0.304	0.001
8	442	0.309	0.307	-0.002
8	699	0.306	0.305	-0.001
8	344	0.307	0.306	-0.001
8	355	0.308	0.307	-0.001
8	790	0.305	0.305	0.000
10	537	0.305	0.305	0.000
10	396	0.305	0.304	-0.001
10	521	0.306	0.306	0.000
10	535	0.305	0.304	-0.001
10	526	0.305	0.304	-0.001
15	940	0.306	0.302	-0.004
15	387	0.305	0.301	-0.004
15	787	0.305	0.301	-0.004
15	1042	0.305	0.301	-0.004
15	483	0.305	0.301	-0.004
30	597	0.307	0.305	-0.002
30	853	0.303	0.301	-0.002
30	416	0.305	0.305	0.000
30	949	0.306	0.305	-0.001
30	221	0.305	0.303	-0.002
35	538	0.304	0.299	-0.005
35	164	0.306	0.300	-0.006
35	1018	0.304	0.299	-0.005
35	462	0.307	0.303	-0.004
35	1032	0.305	0.297	-0.008
50	566	0.308	0.304	-0.004
50	197	0.303	0.300	-0.003
50	793	0.306	0.304	-0.002
50	802	0.307	0.303	-0.004
50	61	0.305	0.301	-0.004
55	795	0.306	0.299	-0.007
55	921	0.308	0.302	-0.006
55	741	0.306	0.299	-0.007
55	809	0.309	0.302	-0.007
55	804	0.308	0.300	-0.008
100	449	0.308	0.303	-0.005
100	541	0.307	0.302	-0.005
100	476	0.305	0.300	-0.005
100	45	0.304	0.299	-0.005
100	642	0.305	0.300	-0.005
105	1036	0.304	0.297	-0.007
105	1038	0.305	0.300	-0.005
105	203	0.304	0.296	-0.008
105	1029	0.305	0.298	-0.007
105	1027	0.304	0.298	-0.006
105	Max	0.309	0.307	0.001
105	Average	0.306	0.302	-0.003
105	Min	0.303	0.296	-0.008
105	Std Dev	0.002	0.003	0.003



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.304	0.304	0.305	0.304	0.301	0.301	0.297	0.300	0.299	0.299	0.296
Average	0.305	0.305	0.306	0.305	0.301	0.304	0.300	0.302	0.300	0.301	0.298
Max	0.307	0.306	0.307	0.306	0.302	0.305	0.303	0.304	0.302	0.303	0.300
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500

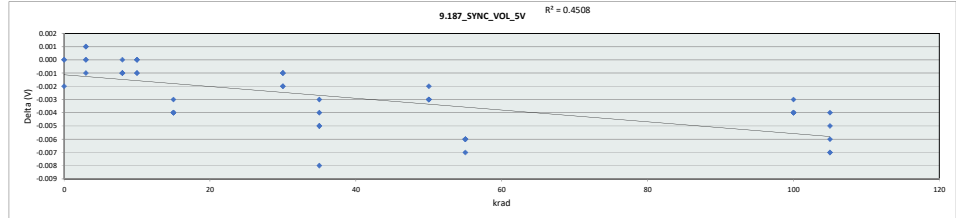


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

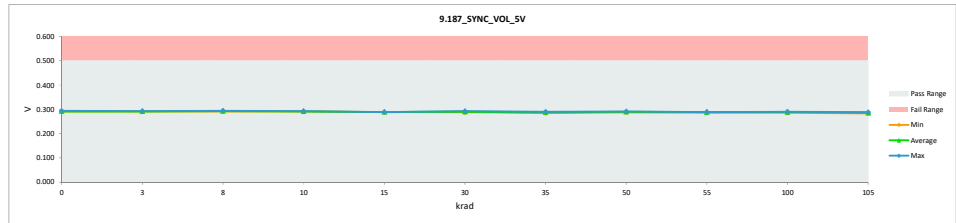
9.187_SYNC_VOL_5V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
0.5	0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.295	0.293	-0.002
0	726	0.291	0.291	0.000
0	791	0.291	0.291	0.000
3	689	0.292	0.292	0.000
3	688	0.292	0.291	-0.001
3	700	0.291	0.292	0.001
3	482	0.291	0.291	0.000
3	1033	0.292	0.291	0.001
8	442	0.294	0.294	0.000
8	699	0.293	0.292	-0.001
8	344	0.293	0.292	-0.001
8	355	0.294	0.293	-0.001
8	790	0.292	0.291	-0.001
10	437	0.292	0.292	0.000
10	396	0.292	0.291	-0.001
10	521	0.293	0.292	-0.001
10	535	0.291	0.291	0.000
10	526	0.291	0.291	0.000
15	940	0.293	0.289	-0.004
15	387	0.291	0.288	-0.003
15	787	0.292	0.288	-0.004
15	1042	0.292	0.288	-0.004
15	483	0.292	0.288	-0.004
30	597	0.294	0.292	-0.002
30	853	0.290	0.288	-0.002
30	416	0.292	0.291	-0.001
30	949	0.292	0.291	-0.001
30	221	0.291	0.290	-0.001
35	538	0.291	0.286	-0.005
35	164	0.292	0.287	-0.005
35	1018	0.291	0.287	-0.004
35	462	0.293	0.290	-0.003
35	1032	0.292	0.284	-0.008
50	566	0.294	0.291	-0.003
50	197	0.290	0.287	-0.003
50	793	0.293	0.291	-0.002
50	802	0.293	0.290	-0.003
50	61	0.292	0.289	-0.003
55	795	0.293	0.287	-0.006
55	921	0.295	0.289	-0.006
55	741	0.293	0.286	-0.007
55	809	0.295	0.289	-0.006
55	804	0.294	0.288	-0.006
100	449	0.294	0.290	-0.004
100	541	0.293	0.289	-0.004
100	476	0.291	0.288	-0.003
100	45	0.290	0.286	-0.004
100	642	0.291	0.287	-0.004
105	1036	0.291	0.284	-0.007
105	1038	0.292	0.288	-0.004
105	203	0.290	0.283	-0.007
105	1029	0.291	0.286	-0.005
105	1027	0.291	0.285	-0.006
105	Max	0.295	0.294	0.001
105	Average	0.292	0.289	-0.003
105	Min	0.290	0.283	-0.008
105	Std Dev	0.001	0.003	0.002



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.291	0.291	0.291	0.291	0.288	0.288	0.284	0.287	0.286	0.286	0.283
Average	0.292	0.291	0.292	0.291	0.288	0.290	0.287	0.290	0.288	0.288	0.285
Max	0.293	0.292	0.294	0.292	0.289	0.289	0.292	0.291	0.289	0.290	0.288
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500

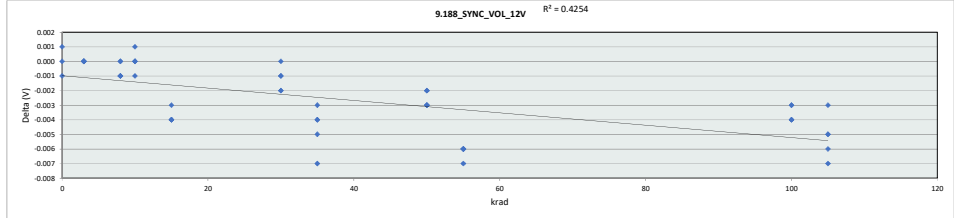


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

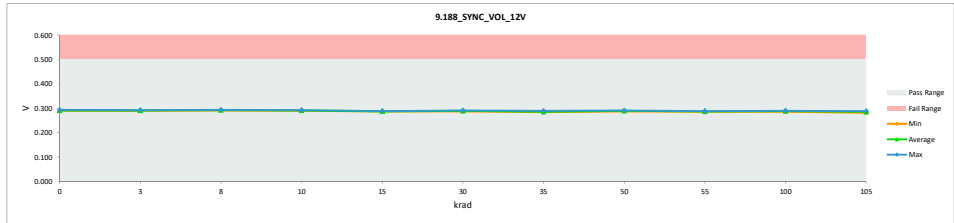
9.188_SYNC_VOL_12V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.294	0.293	-0.001
0	726	0.290	0.290	0.000
0	791	0.290	0.291	0.001
3	689	0.292	0.292	0.000
3	688	0.291	0.291	0.000
3	700	0.290	0.290	0.000
3	482	0.290	0.290	0.000
3	1033	0.290	0.290	0.000
8	442	0.294	0.293	-0.001
8	699	0.292	0.292	0.000
8	344	0.292	0.291	-0.001
8	355	0.293	0.292	-0.001
8	790	0.291	0.291	0.000
10	437	0.291	0.292	0.001
10	396	0.291	0.291	0.000
10	521	0.292	0.292	0.000
10	535	0.290	0.290	-0.001
10	526	0.291	0.290	0.000
15	940	0.292	0.288	-0.004
15	387	0.291	0.288	-0.003
15	787	0.291	0.287	-0.004
15	1042	0.292	0.288	-0.004
15	483	0.291	0.287	-0.004
30	597	0.293	0.291	-0.002
30	853	0.289	0.287	-0.002
30	416	0.291	0.291	0.000
30	949	0.292	0.291	-0.001
30	221	0.290	0.289	-0.001
35	538	0.290	0.286	-0.004
35	164	0.291	0.286	-0.005
35	1018	0.290	0.286	-0.004
35	462	0.292	0.289	-0.003
35	1032	0.291	0.284	-0.007
50	566	0.294	0.291	-0.003
50	197	0.289	0.287	-0.002
50	793	0.292	0.290	-0.002
50	802	0.293	0.290	-0.003
50	61	0.291	0.288	-0.003
55	795	0.292	0.286	-0.006
55	921	0.294	0.288	-0.006
55	741	0.292	0.285	-0.007
55	809	0.294	0.288	-0.006
55	804	0.293	0.287	-0.006
100	449	0.293	0.290	-0.003
100	541	0.293	0.289	-0.004
100	476	0.291	0.287	-0.004
100	45	0.290	0.286	-0.004
100	642	0.290	0.287	-0.003
105	1036	0.290	0.284	-0.006
105	1038	0.291	0.288	-0.003
105	203	0.289	0.282	-0.007
105	1029	0.291	0.286	-0.005
105	1027	0.290	0.285	-0.005
105	Max	0.294	0.293	0.001
105	Average	0.291	0.289	-0.003
105	Min	0.289	0.282	-0.007
105	Std Dev	0.001	0.003	0.002



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.290	0.290	0.291	0.290	0.287	0.287	0.284	0.287	0.285	0.286	0.282
Average	0.291	0.291	0.292	0.291	0.288	0.290	0.286	0.289	0.287	0.288	0.285
Max	0.293	0.292	0.293	0.292	0.288	0.291	0.289	0.291	0.288	0.290	0.288
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500

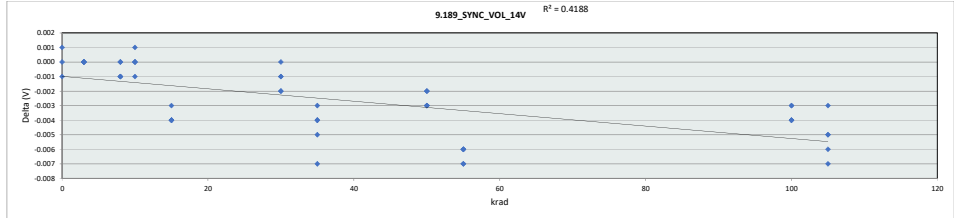


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

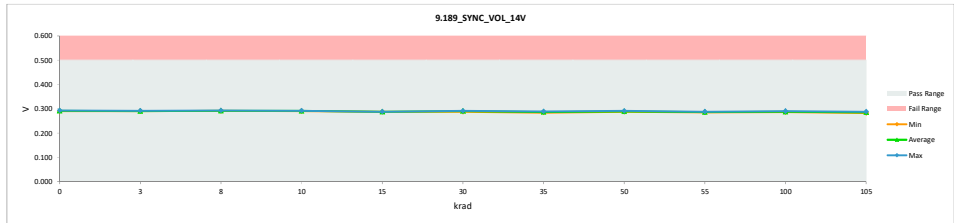
9.189_SYNC_VOL_14V	
Test Site	
Tester	
Test Number	
Unit	V V
Max Limit	0.5 0.5
Min Limit	0 0

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.294	0.293	-0.001
0	726	0.290	0.290	0.000
0	791	0.290	0.291	0.001
3	689	0.292	0.292	0.000
3	688	0.291	0.291	0.000
3	700	0.290	0.290	0.000
3	482	0.290	0.290	0.000
3	1033	0.290	0.290	0.000
8	442	0.294	0.293	-0.001
8	699	0.292	0.292	0.000
8	344	0.292	0.291	-0.001
8	355	0.293	0.292	-0.001
8	790	0.291	0.291	0.000
10	437	0.291	0.292	0.001
10	396	0.291	0.291	0.000
10	521	0.292	0.292	0.000
10	535	0.291	0.290	-0.001
10	526	0.290	0.290	0.000
15	940	0.292	0.288	-0.004
15	387	0.291	0.288	-0.003
15	787	0.291	0.287	-0.004
15	1042	0.292	0.288	-0.004
15	483	0.291	0.287	-0.004
30	597	0.293	0.291	-0.002
30	853	0.289	0.287	-0.002
30	416	0.291	0.291	0.000
30	949	0.292	0.291	-0.001
30	221	0.290	0.289	-0.001
35	538	0.290	0.286	-0.004
35	164	0.291	0.286	-0.005
35	1018	0.290	0.286	-0.004
35	462	0.292	0.289	-0.003
35	1032	0.291	0.284	-0.007
50	566	0.294	0.291	-0.003
50	197	0.289	0.287	-0.002
50	793	0.292	0.290	-0.002
50	802	0.293	0.290	-0.003
50	61	0.291	0.288	-0.003
55	795	0.292	0.286	-0.006
55	921	0.294	0.288	-0.006
55	741	0.292	0.285	-0.007
55	809	0.294	0.288	-0.006
55	804	0.294	0.287	-0.007
100	449	0.293	0.290	-0.003
100	541	0.293	0.289	-0.004
100	476	0.291	0.287	-0.004
100	45	0.290	0.286	-0.004
100	642	0.290	0.287	-0.003
105	1036	0.290	0.284	-0.006
105	1038	0.291	0.288	-0.003
105	203	0.289	0.282	-0.007
105	1029	0.291	0.286	-0.005
105	1027	0.290	0.285	-0.005
105	Max	0.294	0.293	0.001
105	Average	0.291	0.289	-0.003
105	Min	0.289	0.282	-0.007
105	Std Dev	0.001	0.003	0.002



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min	0.290	0.290	0.291	0.290	0.287	0.287	0.284	0.287	0.285	0.286	0.282
Average	0.291	0.291	0.292	0.291	0.288	0.290	0.286	0.289	0.287	0.288	0.285
Max	0.293	0.292	0.293	0.292	0.288	0.291	0.289	0.291	0.288	0.290	0.288
UL	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500

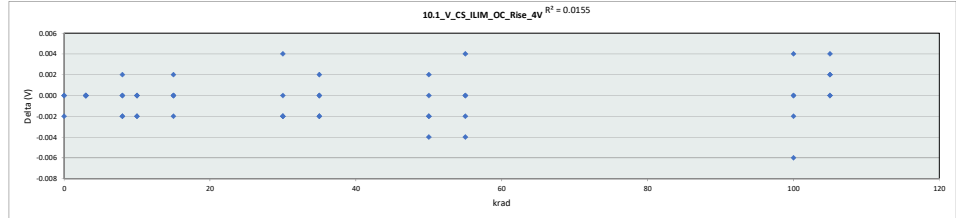


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

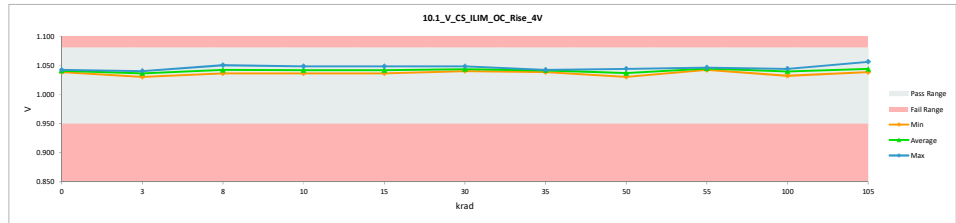
10.1_V_CS_ILIM_OC_Rise_4V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
1.08	0.95
1.08	0.95

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.042	1.042	0.000
0	726	1.042	1.042	0.000
0	791	1.040	1.038	-0.002
3	689	1.030	1.030	0.000
3	688	1.036	1.036	0.000
3	700	1.040	1.040	0.000
3	482	1.038	1.038	0.000
3	1033	1.042	1.036	0.000
8	442	1.038	1.036	-0.002
8	699	1.038	1.038	0.000
8	344	1.042	1.042	0.000
8	355	1.046	1.044	-0.002
8	750	1.048	1.050	0.002
10	537	1.044	1.044	0.000
10	396	1.048	1.048	0.000
10	521	1.038	1.038	0.000
10	535	1.038	1.036	-0.002
10	526	1.044	1.042	-0.002
15	940	1.038	1.038	0.000
15	387	1.046	1.048	0.002
15	787	1.040	1.040	0.000
15	1042	1.036	1.036	0.000
15	483	1.048	1.046	-0.002
30	597	1.038	1.042	0.004
30	853	1.042	1.040	-0.002
30	416	1.042	1.042	0.000
30	949	1.050	1.048	-0.002
30	221	1.046	1.044	-0.002
35	538	1.042	1.042	0.000
35	164	1.040	1.042	0.002
35	1018	1.042	1.042	0.000
35	462	1.044	1.042	-0.002
35	1032	1.040	1.038	-0.002
50	566	1.032	1.032	0.000
50	197	1.046	1.044	-0.002
50	793	1.036	1.038	0.002
50	802	1.034	1.030	-0.004
50	61	1.042	1.040	-0.002
55	795	1.038	1.042	0.004
55	921	1.050	1.046	-0.004
55	741	1.044	1.042	-0.002
55	809	1.046	1.046	0.000
55	804	1.046	1.046	0.000
100	449	1.038	1.038	0.000
100	541	1.040	1.040	0.000
100	476	1.040	1.044	0.004
100	45	1.038	1.032	-0.006
100	642	1.044	1.042	-0.002
105	1036	1.036	1.038	0.002
105	1038	1.054	1.056	0.002
105	203	1.038	1.038	0.000
105	1029	1.038	1.042	0.004
105	1027	1.048	1.044	0.000
105	Max	1.054	1.056	0.004
105	Average	1.041	1.041	0.000
105	Min	1.030	1.030	-0.006
105	Std Dev	0.005	0.005	0.002



10.1_V_CS_ILIM_OC_Rise_4V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
1.08	0.95
1.08	0.95

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950
Min	1.038	1.030	1.036	1.036	1.036	1.040	1.038	1.030	1.042	1.032	1.038
Average	1.041	1.036	1.042	1.042	1.042	1.043	1.041	1.037	1.044	1.039	1.044
Max	1.042	1.040	1.050	1.048	1.048	1.048	1.042	1.044	1.046	1.044	1.056
UL	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080

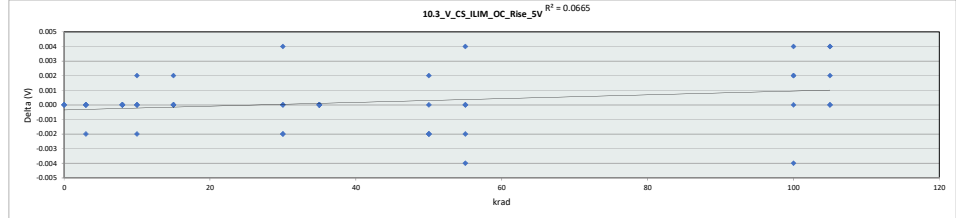


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

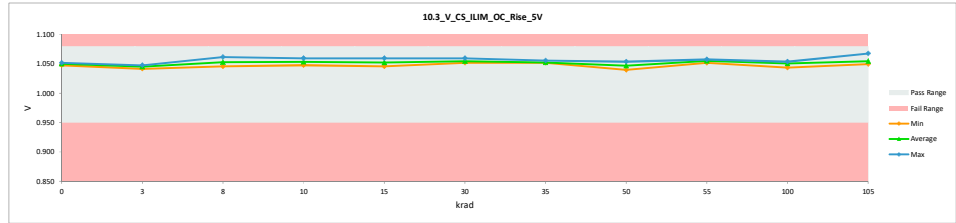
10.3_V_CS_ILIM_OC_Rise_SV	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.08
Min Limit	0.95

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	1.052	1.052	0.000
0	726	1.052	1.052	0.000
0	791	1.048	1.048	0.000
3	689	1.042	1.042	0.000
3	688	1.046	1.046	0.000
3	700	1.048	1.048	0.000
3	482	1.050	1.048	-0.002
3	1033	1.056	1.044	0.000
8	442	1.046	1.046	0.000
8	699	1.050	1.050	0.000
8	344	1.052	1.052	0.000
8	355	1.056	1.056	0.000
8	730	1.062	1.062	0.000
10	537	1.056	1.056	0.000
10	396	1.058	1.060	0.002
10	521	1.050	1.050	0.000
10	535	1.048	1.048	0.000
10	526	1.056	1.054	-0.002
15	540	1.048	1.048	0.000
15	387	1.058	1.060	0.002
15	787	1.050	1.050	0.000
15	1042	1.046	1.046	0.000
15	483	1.058	1.058	0.000
30	597	1.050	1.054	0.004
30	853	1.054	1.052	-0.002
30	416	1.056	1.056	0.000
30	949	1.060	1.060	0.000
30	221	1.056	1.054	-0.002
35	538	1.052	1.052	0.000
35	164	1.052	1.052	0.000
35	1018	1.056	1.056	0.000
35	462	1.052	1.052	0.000
35	1032	1.052	1.052	0.000
50	566	1.042	1.042	0.000
50	197	1.056	1.054	-0.002
50	793	1.046	1.048	0.002
50	802	1.042	1.040	-0.002
50	61	1.054	1.052	-0.002
55	795	1.048	1.052	0.004
55	921	1.060	1.056	-0.004
55	741	1.056	1.056	0.000
55	809	1.058	1.058	0.000
55	804	1.058	1.056	-0.002
100	449	1.048	1.050	0.002
100	541	1.050	1.052	0.002
100	476	1.050	1.054	0.004
100	45	1.048	1.044	-0.004
100	642	1.054	1.054	0.000
105	1036	1.046	1.050	0.004
105	1038	1.068	1.068	0.000
105	203	1.048	1.050	0.002
105	1029	1.048	1.052	0.004
105	1027	1.056	1.056	0.000
105	Max	1.068	1.068	0.004
105	Average	1.052	1.052	0.000
105	Min	1.042	1.040	-0.004
105	Std Dev	0.005	0.005	0.002



10.3_V_CS_ILIM_OC_Rise_SV	
Test Site	
Tester	
Test Number	
Max Limit	1.08
Min Limit	0.95

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950
Min	1.048	1.042	1.046	1.048	1.046	1.052	1.052	1.040	1.052	1.044	1.050
Average	1.051	1.046	1.053	1.054	1.052	1.055	1.053	1.047	1.056	1.051	1.055
Max	1.052	1.048	1.062	1.060	1.060	1.060	1.056	1.054	1.058	1.054	1.068
UL	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080

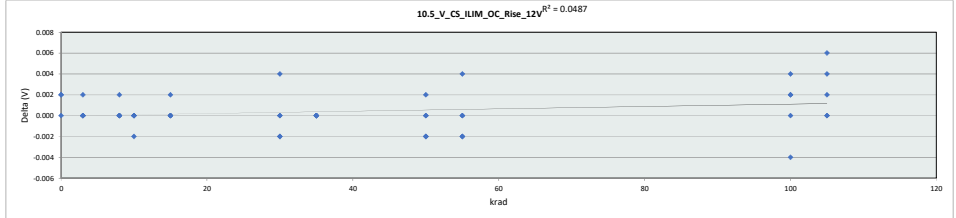


HDR TID Report  
TPS7H5004-SP QMLP

kRad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

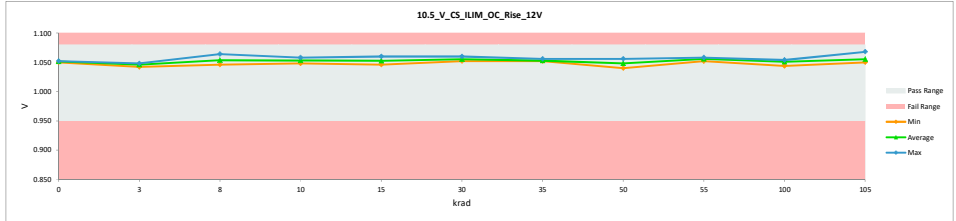
10.5_V_CS_ILIM_OC_Rise_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.08
Min Limit	0.95

kRad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.050	1.052	0.002
0	726	1.052	1.052	0.000
0	791	1.048	1.050	0.002
3	689	1.042	1.042	0.000
3	688	1.046	1.046	0.000
3	700	1.048	1.048	0.000
3	482	1.048	1.048	0.000
3	1033	1.046	1.046	0.002
8	442	1.046	1.046	0.000
8	699	1.050	1.050	0.000
8	344	1.052	1.052	0.000
8	355	1.056	1.056	0.000
8	730	1.062	1.064	0.002
10	537	1.056	1.056	0.000
10	396	1.058	1.058	0.000
10	521	1.050	1.050	0.000
10	535	1.048	1.048	0.000
10	526	1.056	1.054	-0.002
15	540	1.048	1.048	0.000
15	387	1.058	1.060	0.002
15	787	1.050	1.050	0.000
15	1042	1.046	1.046	0.000
15	483	1.058	1.058	0.000
30	597	1.050	1.054	0.004
30	853	1.054	1.052	-0.002
30	416	1.056	1.056	0.000
30	949	1.060	1.060	0.000
30	221	1.056	1.054	-0.002
35	538	1.052	1.052	0.000
35	164	1.052	1.052	0.000
35	1018	1.056	1.056	0.000
35	462	1.052	1.052	0.000
35	1032	1.052	1.052	0.000
50	566	1.042	1.042	0.000
50	197	1.058	1.056	-0.002
50	793	1.046	1.048	0.002
50	802	1.042	1.040	-0.002
50	61	1.054	1.054	0.000
55	795	1.048	1.052	0.004
55	921	1.060	1.058	-0.002
55	741	1.056	1.056	0.000
55	809	1.058	1.058	0.000
55	804	1.058	1.056	-0.002
100	449	1.048	1.050	0.002
100	541	1.050	1.052	0.002
100	476	1.050	1.054	0.004
100	45	1.048	1.044	-0.004
100	642	1.054	1.054	0.000
105	1036	1.046	1.050	0.004
105	1038	1.068	1.068	0.000
105	203	1.048	1.050	0.002
105	1029	1.048	1.054	0.006
105	1027	1.056	1.056	0.000
105	Max	1.068	1.068	0.006
105	Average	1.052	1.052	0.000
105	Min	1.042	1.040	-0.004
105	Std Dev	0.005	0.005	0.002



10.5_V_CS_ILIM_OC_Rise_12V	
Test Site	
Tester	
Test Number	
Max Limit	1.08
Min Limit	0.95

kRad	0	3	8	10	15	30	35	50	55	100	105
LL	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950
Min	1.050	1.042	1.046	1.048	1.046	1.052	1.052	1.040	1.052	1.044	1.050
Average	1.051	1.046	1.054	1.053	1.052	1.055	1.053	1.048	1.056	1.051	1.056
Max	1.052	1.048	1.064	1.058	1.060	1.060	1.056	1.056	1.058	1.054	1.068
UL	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080

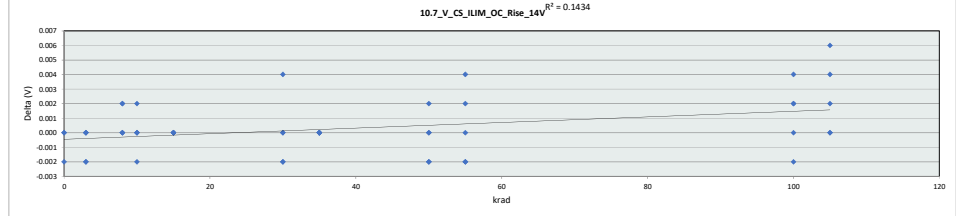


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

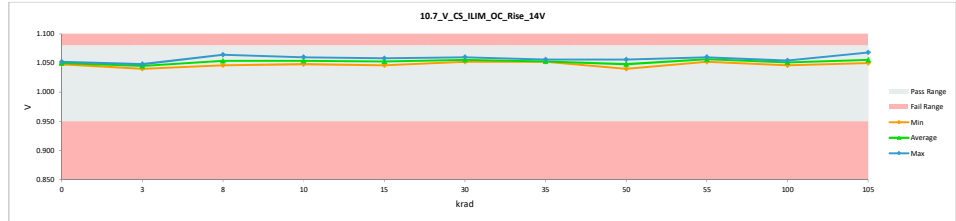
10.7_V_CS_ILIM_OC_Rise_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.08
Min Limit	0.95

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	1.052	1.050	-0.002
0	726	1.052	1.052	0.000
0	791	1.048	1.048	0.000
3	689	1.042	1.040	-0.002
3	688	1.046	1.046	0.000
3	700	1.048	1.048	0.000
3	482	1.050	1.048	-0.002
3	1033	1.056	1.044	0.000
8	442	1.046	1.046	0.000
8	699	1.048	1.050	0.002
8	344	1.052	1.052	0.000
8	355	1.056	1.056	0.000
8	730	1.062	1.064	0.002
10	537	1.056	1.056	0.000
10	396	1.058	1.060	0.002
10	521	1.050	1.050	0.000
10	535	1.048	1.048	0.000
10	526	1.056	1.054	-0.002
15	940	1.048	1.048	0.000
15	387	1.058	1.058	0.000
15	787	1.052	1.052	0.000
15	1042	1.046	1.046	0.000
15	483	1.058	1.058	0.000
30	597	1.050	1.054	0.004
30	853	1.054	1.052	-0.002
30	416	1.056	1.056	0.000
30	949	1.060	1.060	0.000
30	221	1.056	1.054	-0.002
35	538	1.052	1.052	0.000
35	164	1.052	1.052	0.000
35	1018	1.056	1.056	0.000
35	462	1.052	1.052	0.000
35	1032	1.052	1.052	0.000
50	566	1.042	1.042	0.000
50	197	1.058	1.056	-0.002
50	793	1.046	1.048	0.002
50	802	1.042	1.040	-0.002
50	61	1.054	1.054	0.000
55	795	1.048	1.052	0.004
55	921	1.060	1.058	-0.002
55	741	1.056	1.056	0.000
55	809	1.058	1.060	0.002
55	804	1.058	1.056	-0.002
100	449	1.048	1.050	0.002
100	541	1.050	1.052	0.002
100	476	1.050	1.054	0.004
100	45	1.048	1.046	-0.002
100	642	1.054	1.054	0.000
105	1036	1.046	1.050	0.004
105	1038	1.068	1.068	0.000
105	203	1.048	1.050	0.002
105	1029	1.048	1.054	0.006
105	1027	1.056	1.056	0.000
105	Max	1.068	1.068	0.006
105	Average	1.052	1.052	0.000
105	Min	1.042	1.040	-0.002
105	Std Dev	0.005	0.005	0.002



10.7_V_CS_ILIM_OC_Rise_14V	
Test Site	
Tester	
Test Number	
Max Limit	1.08
Min Limit	0.95

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950	0.950
Min	1.048	1.040	1.046	1.048	1.046	1.052	1.052	1.040	1.052	1.046	1.050
Average	1.050	1.045	1.054	1.054	1.052	1.055	1.053	1.048	1.056	1.051	1.056
Max	1.052	1.048	1.064	1.060	1.058	1.060	1.056	1.060	1.054	1.068	
UL	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080



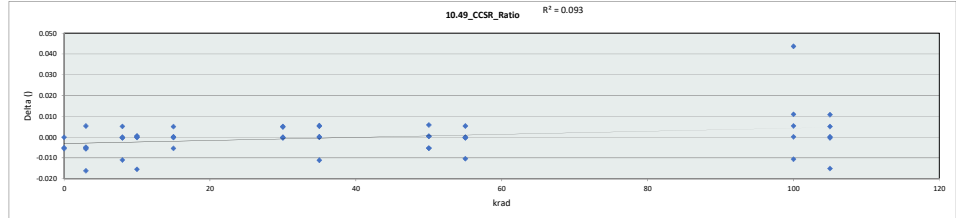


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

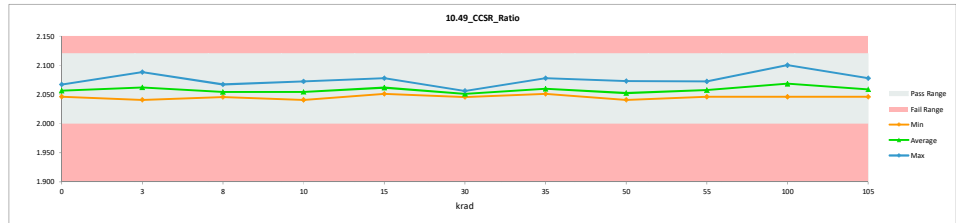
10.49_CCSR_Ratio	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	2.12
Min Limit	2

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	2.062	2.056	-0.006
0	726	2.067	2.067	0.000
0	791	2.051	2.046	-0.005
3	689	2.067	2.062	-0.006
3	688	2.051	2.046	-0.005
3	700	2.088	2.072	-0.016
3	482	2.083	2.088	0.005
3	1033	2.056	2.041	-0.005
8	442	2.046	2.046	0.000
8	699	2.062	2.051	-0.011
8	344	2.067	2.067	0.000
8	355	2.051	2.056	0.005
8	730	2.051	2.051	0.000
10	437	2.072	2.072	0.000
10	396	2.056	2.041	-0.015
10	521	2.051	2.051	0.000
10	535	2.051	2.051	0.000
10	526	2.056	2.056	0.000
15	940	2.061	2.062	0.000
15	387	2.046	2.051	0.005
15	787	2.062	2.062	0.000
15	1042	2.062	2.056	-0.005
15	483	2.078	2.078	0.000
30	597	2.052	2.051	0.000
30	853	2.056	2.056	0.000
30	416	2.046	2.051	0.005
30	949	2.041	2.046	0.005
30	221	2.051	2.051	0.000
35	538	2.051	2.051	0.000
35	164	2.089	2.078	-0.011
35	1018	2.051	2.057	0.005
35	462	2.051	2.056	0.005
35	1032	2.057	2.057	0.000
50	566	2.051	2.046	-0.005
50	197	2.046	2.041	-0.005
50	793	2.051	2.051	0.000
50	802	2.051	2.051	0.000
50	61	2.067	2.073	0.006
55	795	2.046	2.046	0.000
55	921	2.061	2.061	0.000
55	741	2.056	2.046	-0.010
55	809	2.062	2.061	0.000
55	804	2.067	2.072	0.005
100	449	2.046	2.046	0.000
100	541	2.051	2.056	0.005
100	476	2.073	2.062	-0.011
100	45	2.067	2.078	0.011
100	642	2.056	2.100	0.044
105	1036	2.046	2.046	0.000
105	1038	2.051	2.062	0.011
105	203	2.051	2.051	0.000
105	1029	2.072	2.057	-0.015
105	1027	2.073	2.078	0.005
105	Max	2.089	2.100	0.044
105	Average	2.058	2.058	0.000
105	Min	2.041	2.041	-0.016
105	Std Dev	0.011	0.013	0.009



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	2.046	2.041	2.046	2.041	2.051	2.046	2.051	2.041	2.046	2.046	2.046
Average	2.056	2.062	2.054	2.054	2.062	2.051	2.060	2.052	2.057	2.068	2.059
Max	2.067	2.088	2.067	2.072	2.078	2.056	2.078	2.073	2.072	2.100	2.078
UL	2.120	2.120	2.120	2.120	2.120	2.120	2.120	2.120	2.120	2.120	2.120

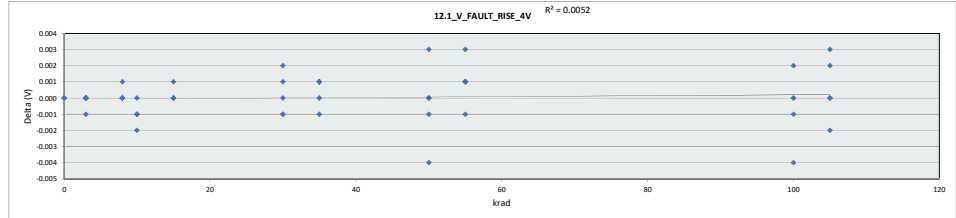


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

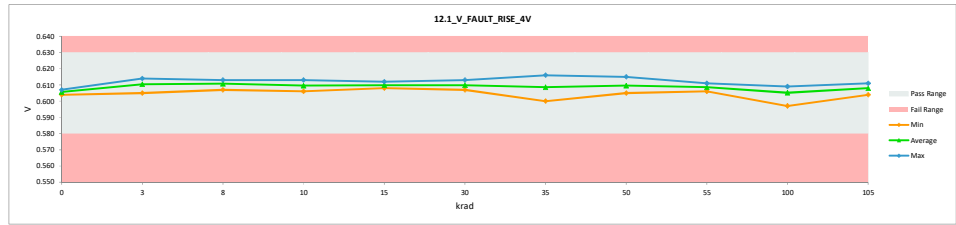
12.1_V_FAULT_RISE_4V	
Test Site	Tester
Test Number	Unit
Unit	V
Max Limit	0.63
Min Limit	0.58

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.606	0.606	0.000
0	726	0.607	0.607	0.000
0	791	0.604	0.604	0.000
3	689	0.614	0.613	-0.001
3	688	0.608	0.608	0.000
3	700	0.605	0.605	0.000
3	482	0.612	0.612	0.000
3	1033	0.614	0.614	0.000
8	442	0.611	0.611	0.000
8	699	0.607	0.607	0.000
8	344	0.612	0.613	0.001
8	355	0.610	0.610	0.000
8	790	0.613	0.613	0.000
10	537	0.613	0.613	-0.001
10	396	0.611	0.611	0.000
10	521	0.607	0.606	-0.001
10	535	0.612	0.611	-0.001
10	526	0.609	0.607	-0.002
15	940	0.610	0.610	0.000
15	387	0.608	0.608	0.000
15	787	0.610	0.610	0.000
15	1042	0.609	0.609	0.000
15	483	0.611	0.612	0.001
30	597	0.608	0.607	-0.001
30	853	0.614	0.613	-0.001
30	416	0.611	0.611	0.000
30	949	0.606	0.608	0.002
30	221	0.609	0.610	0.001
35	538	0.607	0.607	0.000
35	164	0.609	0.610	0.001
35	1018	0.611	0.610	-0.001
35	462	0.599	0.600	0.001
35	1032	0.615	0.616	0.001
50	566	0.612	0.615	0.003
50	197	0.615	0.614	-0.001
50	793	0.609	0.605	-0.004
50	802	0.607	0.607	0.000
50	61	0.607	0.607	0.000
55	795	0.610	0.611	0.001
55	921	0.609	0.610	0.001
55	741	0.607	0.606	-0.001
55	809	0.606	0.607	0.001
55	804	0.606	0.609	0.003
100	449	0.607	0.609	0.002
100	541	0.601	0.597	-0.004
100	476	0.609	0.609	0.000
100	45	0.608	0.608	0.000
100	642	0.604	0.603	-0.001
105	1036	0.608	0.611	0.003
105	1038	0.611	0.611	0.000
105	203	0.602	0.604	0.002
105	1029	0.610	0.608	-0.002
105	1027	0.606	0.606	0.000
105	Max	0.615	0.615	0.005
105	Average	0.609	0.609	0.000
105	Min	0.599	0.597	-0.004
105	Std Dev	0.003	0.004	0.001



12.1_V_FAULT_RISE_4V	
Test Site	Tester
Test Number	Unit
Unit	V
Max Limit	0.63
Min Limit	0.58

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.604	0.605	0.607	0.606	0.608	0.607	0.600	0.605	0.606	0.597	0.604
Average	0.606	0.610	0.611	0.610	0.610	0.610	0.609	0.610	0.609	0.605	0.608
Max	0.607	0.614	0.613	0.613	0.612	0.613	0.616	0.615	0.611	0.609	0.611
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630

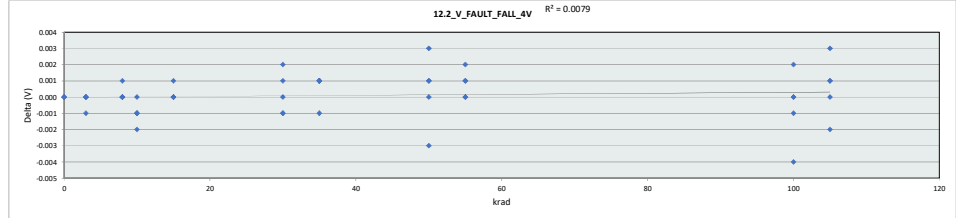


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

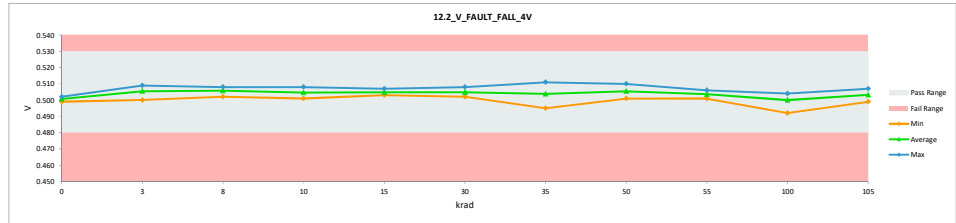
12.2_V_FAULT_FALL_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.48

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.501	0.501	0.000
0	726	0.502	0.502	0.000
0	791	0.499	0.499	0.000
3	689	0.509	0.508	-0.001
3	688	0.503	0.503	0.000
3	700	0.500	0.500	0.000
3	482	0.507	0.507	0.000
3	1033	0.509	0.509	0.000
8	442	0.506	0.506	0.000
8	699	0.502	0.502	0.000
8	344	0.507	0.508	0.001
8	355	0.505	0.505	0.000
8	790	0.508	0.508	0.000
10	437	0.509	0.508	-0.001
10	396	0.506	0.506	0.000
10	521	0.502	0.501	-0.001
10	535	0.507	0.506	-0.001
10	526	0.504	0.502	-0.002
15	940	0.505	0.505	0.000
15	387	0.503	0.503	0.000
15	787	0.505	0.505	0.000
15	1042	0.504	0.504	0.000
15	483	0.506	0.507	0.001
30	597	0.503	0.502	-0.001
30	853	0.509	0.508	-0.001
30	416	0.506	0.506	0.000
30	949	0.501	0.503	0.002
30	221	0.504	0.505	0.001
35	538	0.502	0.503	0.001
35	164	0.504	0.505	0.001
35	1018	0.506	0.505	-0.001
35	462	0.494	0.495	0.001
35	1032	0.510	0.511	0.001
50	566	0.507	0.510	0.003
50	197	0.510	0.510	0.000
50	793	0.504	0.501	-0.003
50	802	0.502	0.503	0.001
50	61	0.502	0.503	0.001
55	795	0.505	0.506	0.001
55	921	0.504	0.505	0.001
55	741	0.501	0.501	0.000
55	809	0.502	0.502	0.000
55	804	0.502	0.504	0.002
100	449	0.502	0.504	0.002
100	541	0.496	0.492	-0.004
100	476	0.504	0.504	0.000
100	45	0.503	0.503	0.000
100	642	0.498	0.497	-0.001
105	1036	0.503	0.506	0.003
105	1038	0.506	0.507	0.001
105	203	0.498	0.499	0.001
105	1029	0.505	0.503	-0.002
105	1027	0.501	0.501	0.000
105	Max	0.510	0.511	0.005
105	Average	0.504	0.504	0.000
105	Min	0.494	0.492	-0.004
105	Std Dev	0.003	0.004	0.001



12.2_V_FAULT_FALL_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.53
Min Limit	0.48

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480
Min	0.499	0.500	0.502	0.501	0.503	0.502	0.495	0.501	0.501	0.492	0.499
Average	0.501	0.505	0.506	0.505	0.505	0.505	0.504	0.505	0.504	0.500	0.503
Max	0.502	0.509	0.508	0.508	0.507	0.508	0.511	0.510	0.506	0.504	0.507
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530

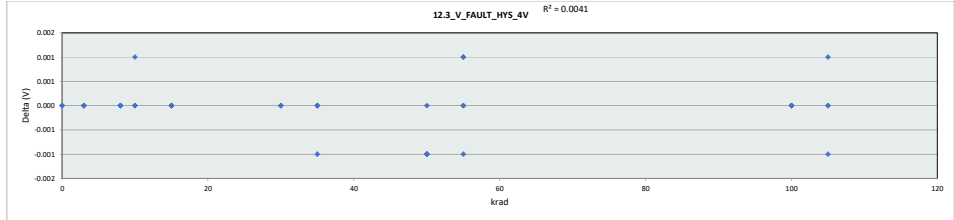


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

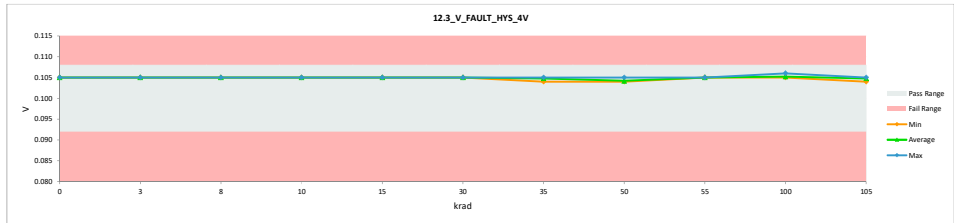
12.3_V_FAULT_HYS_4V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.108
Min Limit	0.092

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.105	0.105	0.000
0	726	0.105	0.105	0.000
0	791	0.105	0.105	0.000
3	689	0.105	0.105	0.000
3	688	0.105	0.105	0.000
3	700	0.105	0.105	0.000
3	482	0.105	0.105	0.000
3	1033	0.105	0.105	0.000
8	442	0.105	0.105	0.000
8	699	0.105	0.105	0.000
8	344	0.105	0.105	0.000
8	355	0.105	0.105	0.000
8	790	0.105	0.105	0.000
10	437	0.105	0.105	0.000
10	396	0.105	0.105	0.000
10	521	0.105	0.105	0.000
10	535	0.105	0.105	0.000
10	526	0.104	0.105	0.001
15	940	0.105	0.105	0.000
15	387	0.105	0.105	0.000
15	787	0.105	0.105	0.000
15	1042	0.105	0.105	0.000
15	483	0.105	0.105	0.000
30	597	0.105	0.105	0.000
30	853	0.105	0.105	0.000
30	416	0.105	0.105	0.000
30	949	0.105	0.105	0.000
30	221	0.105	0.105	0.000
35	538	0.105	0.104	-0.001
35	164	0.105	0.105	0.000
35	1018	0.105	0.105	0.000
35	462	0.105	0.105	0.000
35	1032	0.105	0.105	0.000
50	566	0.105	0.105	0.000
50	197	0.105	0.104	-0.001
50	793	0.105	0.104	-0.001
50	802	0.105	0.104	-0.001
50	61	0.105	0.104	-0.001
55	795	0.105	0.105	0.000
55	921	0.105	0.105	0.000
55	741	0.106	0.105	-0.001
55	809	0.104	0.105	0.001
55	804	0.104	0.105	0.001
100	449	0.105	0.105	0.000
100	541	0.105	0.105	0.000
100	476	0.105	0.105	0.000
100	45	0.105	0.105	0.000
100	642	0.106	0.106	0.000
105	1036	0.105	0.105	0.000
105	1038	0.105	0.104	-0.001
105	203	0.104	0.105	0.001
105	1029	0.105	0.105	0.000
105	1027	0.105	0.105	0.000
105	Max	0.106	0.106	0.001
105	Average	0.105	0.105	0.000
105	Min	0.104	0.104	-0.001
105	Std Dev	0.000	0.000	0.000



12.3_V_FAULT_HYS_4V	
Test Site	
Tester	
Test Number	
Max Limit	0.108
Min Limit	0.092

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092
Min	0.105	0.105	0.105	0.105	0.105	0.105	0.104	0.104	0.105	0.105	0.104
Average	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.104	0.105	0.105	0.105
Max	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.106	0.105
UL	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108

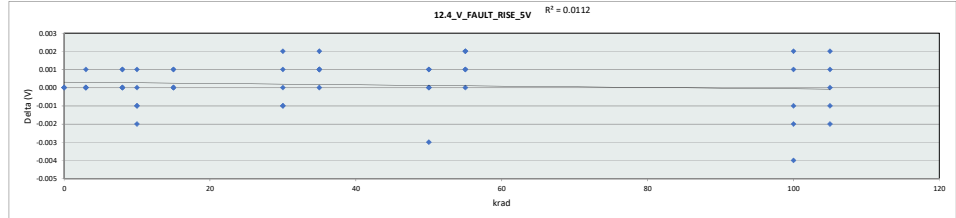


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

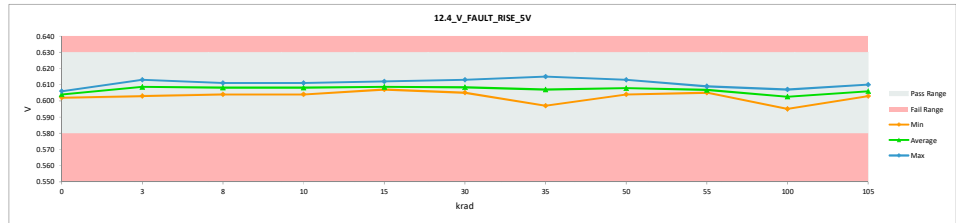
12.4_V_FAULT_RISE_SV	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
0.63	0.63
0.58	0.58

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.604	0.604	0.000
0	726	0.606	0.606	0.000
0	791	0.602	0.602	0.000
3	689	0.611	0.611	0.000
3	688	0.606	0.606	0.000
3	700	0.603	0.603	0.000
3	482	0.610	0.610	0.000
3	1033	0.613	0.613	0.001
8	442	0.609	0.609	0.000
8	699	0.603	0.604	0.001
8	344	0.609	0.610	0.001
8	355	0.607	0.607	0.000
8	790	0.611	0.611	0.000
10	537	0.612	0.611	-0.001
10	396	0.610	0.611	0.001
10	521	0.604	0.604	0.000
10	535	0.610	0.609	-0.001
10	526	0.608	0.606	-0.002
15	940	0.609	0.609	0.000
15	387	0.607	0.607	0.000
15	787	0.607	0.607	0.000
15	1042	0.607	0.608	0.001
15	483	0.611	0.612	0.001
30	597	0.607	0.606	-0.001
30	853	0.614	0.613	-0.001
30	416	0.609	0.609	0.000
30	949	0.603	0.605	0.002
30	221	0.608	0.609	0.001
35	538	0.605	0.606	0.001
35	164	0.607	0.608	0.001
35	1018	0.609	0.609	0.000
35	462	0.596	0.597	0.001
35	1032	0.613	0.615	0.002
50	566	0.611	0.612	0.001
50	197	0.613	0.613	0.000
50	793	0.607	0.604	-0.003
50	802	0.605	0.605	0.000
50	61	0.604	0.605	0.001
55	795	0.608	0.609	0.001
55	921	0.607	0.609	0.002
55	741	0.604	0.605	0.001
55	809	0.605	0.605	0.000
55	804	0.604	0.606	0.002
100	449	0.605	0.607	0.002
100	541	0.599	0.595	-0.004
100	476	0.607	0.606	-0.001
100	45	0.605	0.606	0.001
100	642	0.601	0.599	-0.002
105	1036	0.607	0.608	0.001
105	1038	0.610	0.610	0.000
105	203	0.601	0.603	0.002
105	1029	0.608	0.606	-0.002
105	1027	0.604	0.603	-0.001
105	Max	0.614	0.615	0.002
105	Average	0.607	0.607	0.000
105	Min	0.596	0.595	-0.004
105	Std Dev	0.004	0.004	0.001



12.4_V_FAULT_RISE_SV	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
0.63	0.63
0.58	0.58

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.602	0.603	0.604	0.604	0.607	0.605	0.597	0.604	0.605	0.595	0.603
Average	0.604	0.609	0.608	0.608	0.609	0.608	0.607	0.608	0.607	0.603	0.606
Max	0.606	0.613	0.611	0.611	0.612	0.613	0.615	0.613	0.609	0.607	0.610
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630

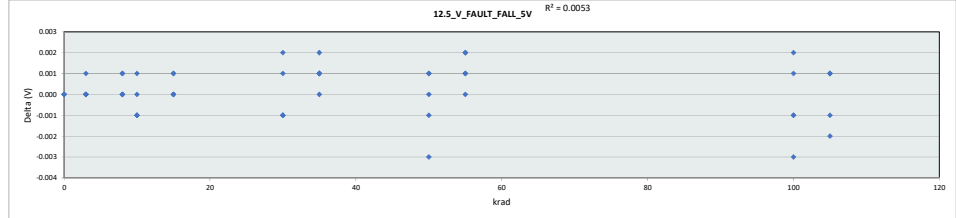


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

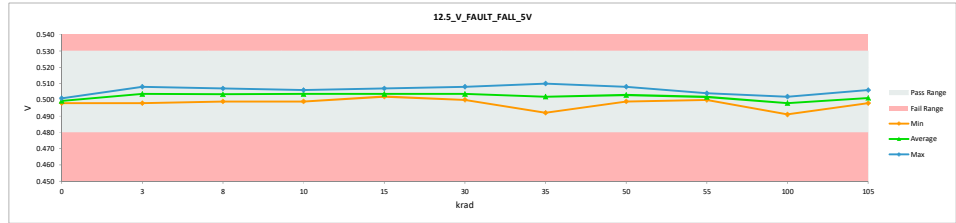
12.5_V_FAULT_FALL_SV	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.48

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.499	0.499	0.000
0	726	0.501	0.501	0.000
0	791	0.498	0.498	0.000
3	689	0.506	0.506	0.000
3	688	0.501	0.501	0.000
3	700	0.498	0.498	0.000
3	482	0.505	0.505	0.000
3	1033	0.507	0.508	0.001
8	442	0.504	0.504	0.000
8	699	0.499	0.499	0.000
8	344	0.504	0.505	0.001
8	355	0.502	0.502	0.000
8	730	0.506	0.507	0.001
10	537	0.506	0.506	-0.001
10	396	0.505	0.506	0.001
10	521	0.500	0.499	-0.001
10	535	0.505	0.505	0.000
10	526	0.503	0.502	-0.001
15	540	0.504	0.504	0.000
15	387	0.502	0.502	0.000
15	787	0.502	0.502	0.000
15	1042	0.502	0.503	0.001
15	483	0.506	0.507	0.001
30	597	0.502	0.501	-0.001
30	853	0.509	0.508	-0.001
30	416	0.505	0.504	-0.001
30	949	0.499	0.500	0.001
30	221	0.503	0.505	0.002
35	538	0.500	0.501	0.001
35	164	0.502	0.503	0.001
35	1018	0.504	0.504	0.000
35	462	0.491	0.492	0.001
35	1032	0.508	0.510	0.002
50	566	0.506	0.507	0.001
50	197	0.509	0.508	-0.001
50	793	0.502	0.499	-0.003
50	802	0.500	0.501	0.001
50	61	0.500	0.500	0.000
55	795	0.503	0.504	0.001
55	921	0.502	0.504	0.002
55	741	0.499	0.500	0.001
55	809	0.500	0.500	0.000
55	804	0.499	0.501	0.002
100	449	0.500	0.502	0.002
100	541	0.494	0.491	-0.003
100	476	0.502	0.501	-0.001
100	45	0.500	0.501	0.001
100	642	0.496	0.495	-0.001
105	1036	0.502	0.503	0.001
105	1038	0.505	0.506	0.001
105	203	0.497	0.498	0.001
105	1029	0.503	0.501	-0.002
105	1027	0.499	0.498	-0.001
105	Max	0.509	0.510	0.002
105	Average	0.502	0.502	0.000
105	Min	0.491	0.491	-0.003
105	Std Dev	0.004	0.004	0.001



12.5_V_FAULT_FALL_SV	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.48

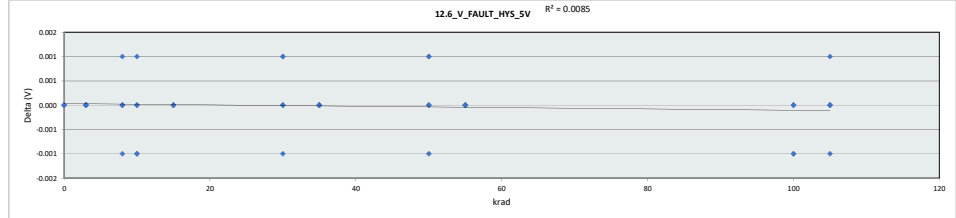
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480
Min	0.498	0.498	0.499	0.499	0.502	0.500	0.492	0.499	0.500	0.491	0.498
Average	0.499	0.504	0.503	0.504	0.504	0.504	0.502	0.503	0.502	0.498	0.501
Max	0.501	0.508	0.507	0.506	0.507	0.508	0.510	0.508	0.504	0.502	0.506
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530



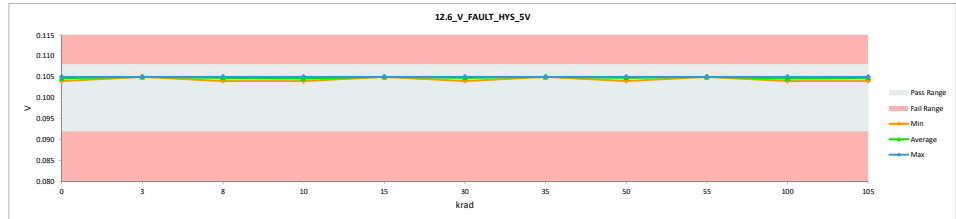
HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

		12.6_V_FAULT_HYS_5V		
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.105	0.105	0.000
0	726	0.105	0.105	0.000
0	791	0.104	0.104	0.000
3	689	0.105	0.105	0.000
3	688	0.105	0.105	0.000
3	700	0.105	0.105	0.000
3	482	0.105	0.105	0.000
3	1033	0.105	0.105	0.000
8	442	0.105	0.105	0.000
8	699	0.104	0.105	0.001
8	344	0.105	0.105	0.000
8	355	0.105	0.105	0.000
8	790	0.105	0.104	-0.001
10	537	0.105	0.105	0.000
10	396	0.105	0.105	0.000
10	521	0.104	0.105	0.001
10	535	0.105	0.104	-0.001
10	526	0.105	0.104	-0.001
15	940	0.105	0.105	0.000
15	387	0.105	0.105	0.000
15	787	0.105	0.105	0.000
15	1042	0.105	0.105	0.000
15	483	0.105	0.105	0.000
30	597	0.105	0.105	0.000
30	853	0.105	0.105	0.000
30	416	0.104	0.105	0.001
30	949	0.104	0.105	0.001
30	221	0.105	0.104	-0.001
35	538	0.105	0.105	0.000
35	164	0.105	0.105	0.000
35	1018	0.105	0.105	0.000
35	462	0.105	0.105	0.000
35	1032	0.105	0.105	0.000
50	566	0.105	0.105	0.000
50	197	0.104	0.105	0.001
50	793	0.105	0.105	0.000
50	802	0.105	0.104	-0.001
50	61	0.104	0.105	0.001
55	795	0.105	0.105	0.000
55	921	0.105	0.105	0.000
55	741	0.105	0.105	0.000
55	809	0.105	0.105	0.000
55	804	0.105	0.105	0.000
100	449	0.105	0.105	0.000
100	541	0.105	0.104	-0.001
100	476	0.105	0.105	0.000
100	45	0.105	0.105	0.000
100	642	0.105	0.104	-0.001
105	1036	0.105	0.105	0.000
105	1038	0.105	0.104	-0.001
105	203	0.104	0.105	0.001
105	1029	0.105	0.105	0.000
105	1027	0.105	0.105	0.000
105	Max	0.105	0.105	0.001
105	Average	0.105	0.105	0.000
105	Min	0.104	0.104	-0.001
105	Std Dev	0.000	0.000	0.001



		12.6_V_FAULT_HYS_5V										
krad	Test Number	0	3	8	10	15	30	35	50	55	100	105
LL		0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092
Min		0.104	0.105	0.104	0.104	0.105	0.104	0.105	0.104	0.105	0.104	0.104
Average		0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
Max		0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
UL		0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108

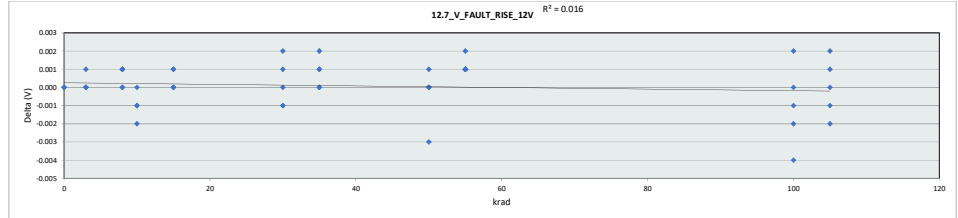


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

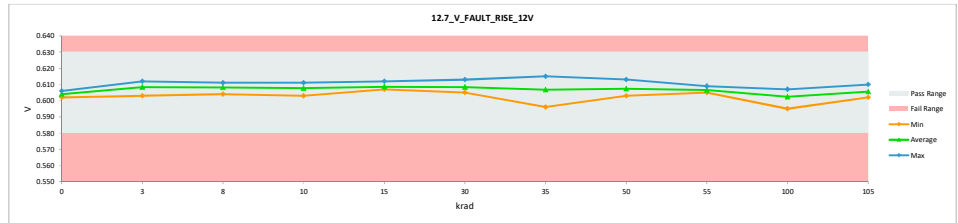
12.7_V_FAULT_RISE_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
0.63	0.63
0.58	0.58

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.604	0.604	0.000
0	726	0.606	0.606	0.000
0	791	0.602	0.602	0.000
3	689	0.611	0.611	0.000
3	688	0.605	0.606	0.001
3	700	0.603	0.603	0.000
3	482	0.610	0.610	0.000
3	1033	0.612	0.612	0.000
8	442	0.609	0.609	0.000
8	699	0.603	0.604	0.001
8	344	0.609	0.610	0.001
8	355	0.606	0.607	0.001
8	790	0.611	0.611	0.000
10	437	0.612	0.611	-0.001
10	396	0.610	0.610	0.000
10	521	0.604	0.603	-0.001
10	535	0.610	0.609	-0.001
10	526	0.608	0.606	-0.002
15	940	0.609	0.609	0.000
15	387	0.607	0.607	0.000
15	787	0.607	0.607	0.000
15	1042	0.607	0.608	0.001
15	483	0.611	0.612	0.001
30	597	0.607	0.606	-0.001
30	853	0.614	0.613	-0.001
30	416	0.609	0.609	0.000
30	949	0.603	0.605	0.002
30	221	0.608	0.609	0.001
35	538	0.605	0.606	0.001
35	164	0.607	0.608	0.001
35	1018	0.609	0.609	0.000
35	462	0.596	0.596	0.000
35	1032	0.613	0.615	0.002
50	566	0.611	0.611	0.000
50	197	0.613	0.613	0.000
50	793	0.606	0.603	-0.003
50	802	0.605	0.605	0.000
50	61	0.604	0.605	0.001
55	795	0.608	0.609	0.001
55	921	0.607	0.608	0.001
55	741	0.604	0.605	0.001
55	809	0.604	0.605	0.001
55	804	0.604	0.606	0.002
100	449	0.605	0.607	0.002
100	541	0.599	0.595	-0.004
100	476	0.607	0.606	-0.001
100	45	0.605	0.605	0.000
100	642	0.601	0.599	-0.002
105	1036	0.606	0.608	0.002
105	1038	0.610	0.610	0.000
105	203	0.601	0.602	0.001
105	1029	0.607	0.605	-0.002
105	1027	0.604	0.603	-0.001
105	Max	0.614	0.615	0.002
105	Average	0.607	0.607	0.000
105	Min	0.596	0.595	-0.004
105	Std Dev	0.004	0.004	0.001



12.7_V_FAULT_RISE_12V	
Test Site	Tester
Test Number	Unit
Max Limit	Min Limit
V	V
0.63	0.63
0.58	0.58

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.602	0.603	0.604	0.603	0.607	0.605	0.596	0.603	0.605	0.595	0.602
Average	0.604	0.608	0.608	0.608	0.609	0.608	0.607	0.607	0.607	0.602	0.606
Max	0.606	0.612	0.611	0.611	0.612	0.613	0.615	0.613	0.609	0.607	0.610
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630



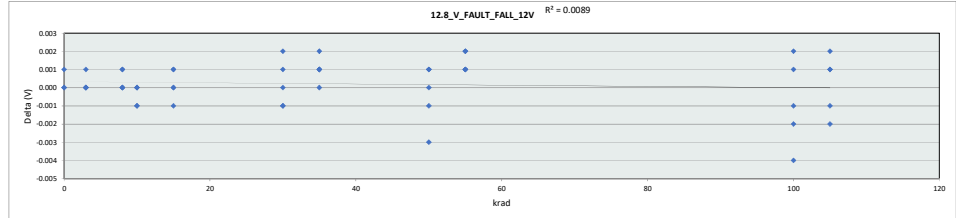


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

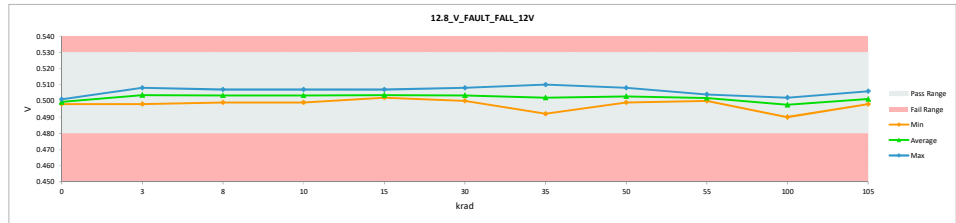
12.8_V_FAULT_FALL_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.48

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.499	0.499	0.000
0	726	0.501	0.501	0.000
0	791	0.497	0.498	0.001
3	689	0.506	0.506	0.000
3	688	0.501	0.501	0.000
3	700	0.498	0.498	0.000
3	482	0.505	0.505	0.000
3	1033	0.507	0.508	0.001
8	442	0.504	0.504	0.000
8	699	0.499	0.499	0.000
8	344	0.504	0.505	0.001
8	355	0.502	0.502	0.000
8	730	0.506	0.507	0.001
10	437	0.507	0.507	0.000
10	396	0.505	0.505	0.000
10	521	0.499	0.499	0.000
10	535	0.505	0.504	-0.001
10	526	0.503	0.502	-0.001
15	540	0.505	0.504	-0.001
15	387	0.502	0.502	0.000
15	787	0.502	0.502	0.000
15	1042	0.502	0.503	0.001
15	483	0.506	0.507	0.001
30	597	0.502	0.501	-0.001
30	853	0.509	0.508	-0.001
30	416	0.504	0.504	0.000
30	949	0.498	0.500	0.002
30	221	0.503	0.504	0.001
35	538	0.500	0.501	0.001
35	164	0.502	0.503	0.001
35	1018	0.504	0.504	0.000
35	462	0.491	0.492	0.001
35	1032	0.508	0.510	0.002
50	566	0.506	0.507	0.001
50	197	0.509	0.508	-0.001
50	793	0.502	0.499	-0.003
50	802	0.500	0.500	0.000
50	61	0.499	0.500	0.001
55	795	0.503	0.504	0.001
55	921	0.502	0.504	0.002
55	741	0.499	0.500	0.001
55	809	0.499	0.500	0.001
55	804	0.499	0.501	0.002
100	449	0.500	0.502	0.002
100	541	0.494	0.490	-0.004
100	476	0.502	0.501	-0.001
100	45	0.500	0.501	0.001
100	642	0.496	0.494	-0.002
105	1036	0.502	0.503	0.001
105	1038	0.505	0.506	0.001
105	203	0.496	0.498	0.002
105	1029	0.503	0.501	-0.002
105	1027	0.498	0.498	-0.001
105	Max	0.509	0.510	0.002
105	Average	0.502	0.502	0.000
105	Min	0.491	0.490	-0.004
105	Std Dev	0.004	0.004	0.001



12.8_V_FAULT_FALL_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.53
Min Limit	0.48

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480
Min	0.498	0.498	0.499	0.499	0.502	0.500	0.492	0.499	0.500	0.490	0.498
Average	0.499	0.504	0.503	0.503	0.504	0.503	0.502	0.503	0.502	0.498	0.501
Max	0.501	0.508	0.507	0.507	0.507	0.508	0.510	0.508	0.504	0.502	0.506
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530

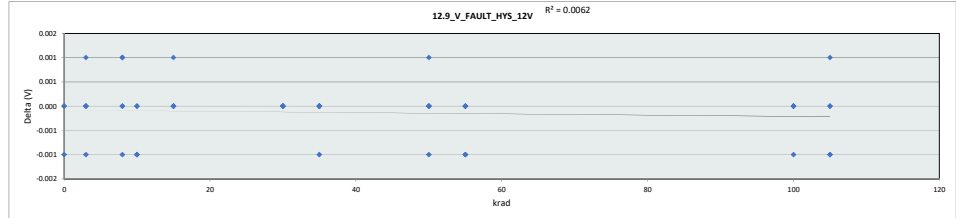


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

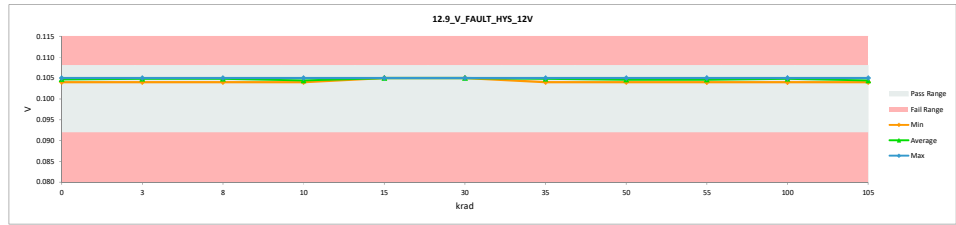
12.9_V_FAULT_HYS_12V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.108
Min Limit	0.092

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.105	0.105	0.000
0	726	0.105	0.105	0.000
0	791	0.105	0.104	-0.001
3	689	0.105	0.105	0.000
3	688	0.104	0.105	0.001
3	700	0.105	0.105	0.000
3	482	0.105	0.105	0.000
3	1033	0.105	0.104	-0.001
8	442	0.105	0.105	0.000
8	699	0.104	0.105	0.001
8	344	0.105	0.105	0.000
8	355	0.104	0.105	0.001
8	790	0.105	0.104	-0.001
10	437	0.105	0.104	-0.001
10	396	0.105	0.105	0.000
10	521	0.105	0.104	-0.001
10	535	0.105	0.105	0.000
10	526	0.105	0.104	-0.001
15	940	0.104	0.105	0.001
15	387	0.105	0.105	0.000
15	787	0.105	0.105	0.000
15	1042	0.105	0.105	0.000
15	483	0.105	0.105	0.000
30	597	0.105	0.105	0.000
30	853	0.105	0.105	0.000
30	416	0.105	0.105	0.000
30	949	0.105	0.105	0.000
30	221	0.105	0.105	0.000
35	538	0.105	0.105	0.000
35	164	0.105	0.105	0.000
35	1018	0.105	0.105	0.000
35	462	0.105	0.104	-0.001
35	1032	0.105	0.105	0.000
50	566	0.105	0.104	-0.001
50	197	0.104	0.105	0.001
50	793	0.104	0.104	0.000
50	802	0.105	0.105	0.000
50	61	0.105	0.105	0.000
55	795	0.105	0.104	-0.001
55	921	0.105	0.104	-0.001
55	741	0.105	0.105	0.000
55	809	0.105	0.105	0.000
55	804	0.105	0.105	0.000
100	449	0.105	0.105	0.000
100	541	0.105	0.105	0.000
100	476	0.105	0.105	0.000
100	45	0.105	0.104	-0.001
100	642	0.105	0.105	0.000
105	1036	0.104	0.105	0.001
105	1038	0.105	0.104	-0.001
105	203	0.105	0.104	-0.001
105	1029	0.104	0.104	0.000
105	1027	0.105	0.105	0.000
105	Max	0.105	0.105	0.001
105	Average	0.105	0.105	0.000
105	Min	0.104	0.104	-0.001
105	Std Dev	0.000	0.000	0.001



12.9_V_FAULT_HYS_12V	
Test Site	
Tester	
Test Number	
Max Limit	0.108
Min Limit	0.092

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092
Min	0.104	0.104	0.104	0.104	0.105	0.105	0.104	0.104	0.104	0.104	0.104
Average	0.105	0.105	0.105	0.104	0.105	0.105	0.105	0.105	0.105	0.105	0.104
Max	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
UL	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108

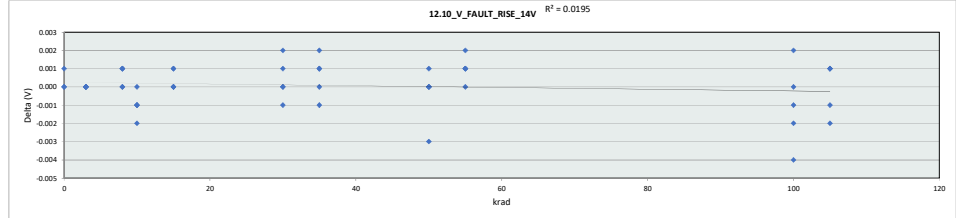


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

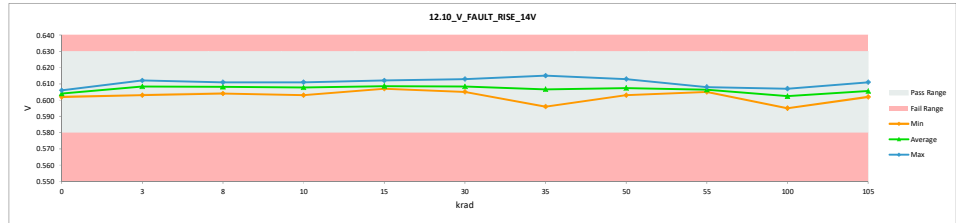
12.10_V_FAULT_RISE_14V	
Test Site	Tester
Test Number	Unit
Unit	V
Max Limit	0.63
Min Limit	0.58

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.604	0.604	0.000
0	726	0.605	0.606	0.001
0	791	0.602	0.602	0.000
3	689	0.611	0.611	0.000
3	688	0.606	0.606	0.000
3	700	0.603	0.603	0.000
3	482	0.610	0.610	0.000
3	1033	0.612	0.612	0.000
8	442	0.609	0.609	0.000
8	699	0.603	0.604	0.001
8	344	0.609	0.610	0.001
8	355	0.606	0.607	0.001
8	790	0.611	0.611	0.000
10	437	0.612	0.611	-0.001
10	396	0.610	0.610	0.000
10	521	0.604	0.603	-0.001
10	535	0.610	0.609	-0.001
10	526	0.608	0.606	-0.002
15	540	0.609	0.609	0.000
15	387	0.607	0.607	0.000
15	787	0.607	0.607	0.000
15	1042	0.607	0.608	0.001
15	483	0.611	0.612	0.001
30	597	0.606	0.606	0.000
30	853	0.614	0.613	-0.001
30	416	0.609	0.609	0.000
30	949	0.603	0.605	0.002
30	221	0.608	0.609	0.001
35	538	0.605	0.606	0.001
35	164	0.607	0.608	0.001
35	1018	0.609	0.608	-0.001
35	462	0.596	0.596	0.000
35	1032	0.613	0.615	0.002
50	566	0.611	0.611	0.000
50	197	0.613	0.613	0.000
50	793	0.606	0.603	-0.003
50	802	0.605	0.605	0.000
50	61	0.604	0.605	0.001
55	795	0.608	0.608	0.000
55	921	0.607	0.608	0.001
55	741	0.604	0.605	0.001
55	809	0.604	0.605	0.001
55	804	0.604	0.606	0.002
100	449	0.605	0.607	0.002
100	541	0.599	0.595	-0.004
100	476	0.607	0.606	-0.001
100	45	0.605	0.605	0.000
100	642	0.601	0.599	-0.002
105	1036	0.606	0.607	0.001
105	1038	0.610	0.611	0.001
105	203	0.601	0.602	0.001
105	1029	0.607	0.605	-0.002
105	1027	0.604	0.603	-0.001
105	Max	0.614	0.615	0.002
105	Average	0.607	0.607	0.000
105	Min	0.596	0.595	-0.004
105	Std Dev	0.004	0.004	0.001



12.10_V_FAULT_RISE_14V	
Test Site	Tester
Test Number	Unit
Unit	V
Max Limit	0.63
Min Limit	0.58

krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580	0.580
Min	0.602	0.603	0.604	0.603	0.607	0.605	0.596	0.603	0.605	0.595	0.602
Average	0.604	0.608	0.608	0.608	0.609	0.608	0.607	0.607	0.606	0.607	0.606
Max	0.606	0.612	0.611	0.611	0.612	0.613	0.615	0.613	0.608	0.607	0.611
UL	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630	0.630

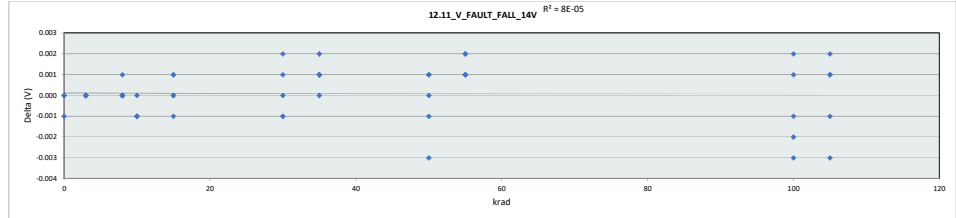


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

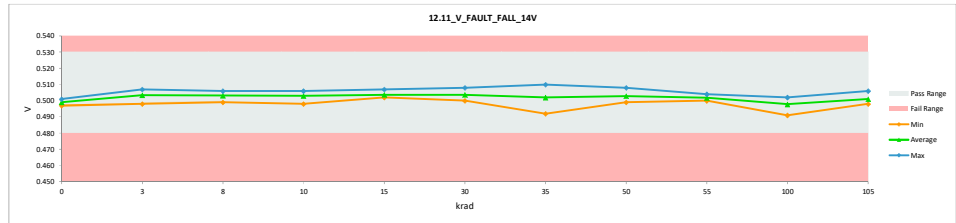
12.11_V_FAULT_FALL_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.48

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.499	0.499	0.000
0	726	0.501	0.501	0.000
0	791	0.498	0.497	-0.001
3	689	0.506	0.506	0.000
3	688	0.501	0.501	0.000
3	700	0.498	0.498	0.000
3	482	0.505	0.505	0.000
3	1033	0.507	0.507	0.000
8	442	0.504	0.504	0.000
8	699	0.499	0.499	0.000
8	344	0.504	0.505	0.001
8	355	0.502	0.502	0.000
8	730	0.506	0.506	0.000
10	437	0.506	0.506	-0.001
10	396	0.505	0.505	0.000
10	521	0.499	0.498	-0.001
10	535	0.505	0.504	-0.001
10	526	0.503	0.502	-0.001
15	940	0.505	0.504	-0.001
15	387	0.502	0.502	0.000
15	787	0.502	0.502	0.000
15	1042	0.502	0.503	0.001
15	483	0.506	0.507	0.001
30	597	0.502	0.501	-0.001
30	853	0.509	0.508	-0.001
30	416	0.505	0.505	0.000
30	949	0.498	0.500	0.002
30	221	0.503	0.504	0.001
35	538	0.500	0.501	0.001
35	164	0.502	0.503	0.001
35	1018	0.504	0.504	0.000
35	462	0.491	0.492	0.001
35	1032	0.508	0.510	0.002
50	566	0.506	0.507	0.001
50	197	0.509	0.508	-0.001
50	793	0.502	0.499	-0.003
50	802	0.500	0.500	0.000
50	61	0.499	0.500	0.001
55	795	0.503	0.504	0.001
55	921	0.502	0.504	0.002
55	741	0.499	0.500	0.001
55	809	0.499	0.500	0.001
55	804	0.499	0.501	0.002
100	449	0.500	0.502	0.002
100	541	0.494	0.491	-0.003
100	476	0.502	0.501	-0.001
100	45	0.500	0.501	0.001
100	642	0.496	0.494	-0.002
105	1036	0.502	0.503	0.001
105	1038	0.505	0.506	0.001
105	203	0.496	0.498	0.002
105	1029	0.503	0.500	-0.003
105	1027	0.498	0.498	-0.001
105	Max	0.509	0.510	0.002
105	Average	0.502	0.502	0.000
105	Min	0.491	0.491	-0.003
105	Std Dev	0.004	0.004	0.001



12.11_V_FAULT_FALL_14V	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	0.53
Min Limit	0.48

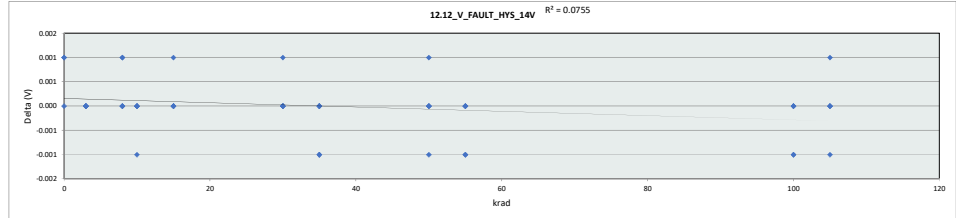
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480
Min	0.497	0.498	0.499	0.498	0.502	0.500	0.492	0.499	0.500	0.491	0.498
Average	0.499	0.503	0.503	0.503	0.504	0.504	0.502	0.503	0.502	0.498	0.501
Max	0.501	0.507	0.506	0.506	0.507	0.508	0.510	0.508	0.504	0.502	0.506
UL	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530	0.530



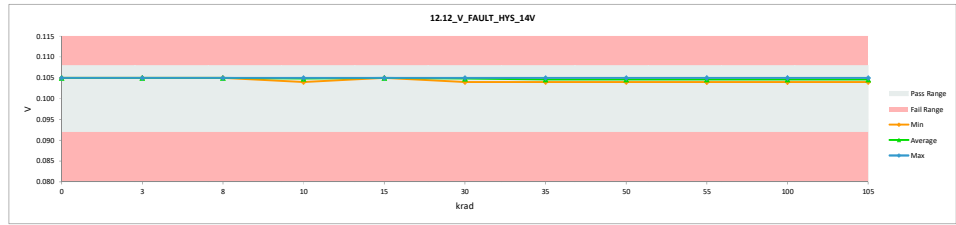
HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

12.12_V_FAULT_HYS_14V				
krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.105	0.105	0.000
0	726	0.104	0.105	0.001
0	791	0.104	0.105	0.001
3	689	0.105	0.105	0.000
3	688	0.105	0.105	0.000
3	700	0.105	0.105	0.000
3	482	0.105	0.105	0.000
3	1033	0.105	0.105	0.000
8	442	0.105	0.105	0.000
8	699	0.104	0.105	0.001
8	344	0.105	0.105	0.000
8	355	0.104	0.105	0.001
8	790	0.105	0.105	0.000
10	437	0.105	0.105	0.000
10	396	0.105	0.105	0.000
10	521	0.105	0.105	0.000
10	535	0.105	0.105	0.000
10	526	0.105	0.104	-0.001
15	940	0.104	0.105	0.001
15	387	0.105	0.105	0.000
15	787	0.105	0.105	0.000
15	1042	0.105	0.105	0.000
15	483	0.105	0.105	0.000
30	597	0.104	0.105	0.001
30	853	0.105	0.105	0.000
30	416	0.104	0.104	0.000
30	949	0.105	0.105	0.000
30	221	0.105	0.105	0.000
35	538	0.105	0.105	0.000
35	164	0.105	0.105	0.000
35	1018	0.105	0.104	-0.001
35	462	0.105	0.104	-0.001
35	1032	0.105	0.105	0.000
50	566	0.105	0.104	-0.001
50	197	0.104	0.105	0.001
50	793	0.104	0.104	0.000
50	802	0.105	0.105	0.000
50	61	0.105	0.105	0.000
55	795	0.105	0.104	-0.001
55	921	0.105	0.104	-0.001
55	741	0.105	0.105	0.000
55	809	0.105	0.105	0.000
55	804	0.105	0.105	0.000
100	449	0.105	0.105	0.000
100	541	0.105	0.104	-0.001
100	476	0.105	0.105	0.000
100	45	0.105	0.104	-0.001
100	642	0.105	0.105	0.000
105	1036	0.104	0.104	0.000
105	1038	0.105	0.105	0.000
105	203	0.105	0.104	-0.001
105	1029	0.104	0.105	0.001
105	1027	0.105	0.105	0.000
105	Max	0.105	0.105	0.001
105	Average	0.105	0.105	0.000
105	Min	0.104	0.104	-0.001
105	Std Dev	0.000	0.000	0.001



12.12_V_FAULT_HYS_14V											
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092	0.092
Min	0.105	0.105	0.105	0.104	0.105	0.104	0.104	0.104	0.104	0.104	0.104
Average	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
Max	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
UL	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108

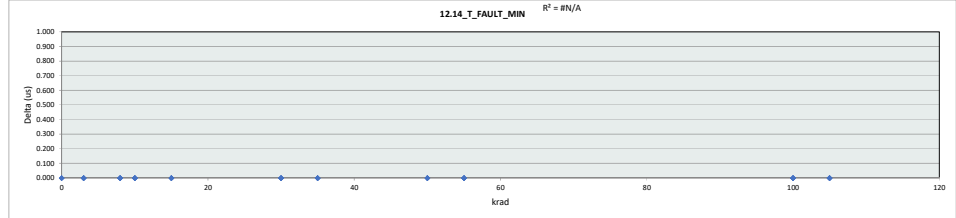


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

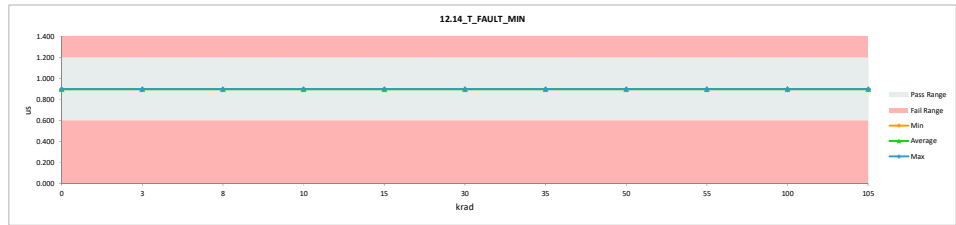
12.14_T_FAULT_MIN	
Test Site	
Tester	
Test Number	
Unit	us
Max Limit	1.2
Min Limit	0.6

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	0.900	0.900	0.000
0	726	0.900	0.900	0.000
0	791	0.900	0.900	0.000
3	689	0.900	0.900	0.000
3	688	0.900	0.900	0.000
3	700	0.900	0.900	0.000
3	482	0.900	0.900	0.000
3	1033	0.900	0.900	0.000
8	442	0.900	0.900	0.000
8	699	0.900	0.900	0.000
8	344	0.900	0.900	0.000
8	355	0.900	0.900	0.000
8	730	0.900	0.900	0.000
10	537	0.900	0.900	0.000
10	396	0.900	0.900	0.000
10	521	0.900	0.900	0.000
10	535	0.900	0.900	0.000
10	526	0.900	0.900	0.000
15	540	0.900	0.900	0.000
15	387	0.900	0.900	0.000
15	787	0.900	0.900	0.000
15	1042	0.900	0.900	0.000
15	483	0.900	0.900	0.000
30	597	0.900	0.900	0.000
30	853	0.900	0.900	0.000
30	416	0.900	0.900	0.000
30	949	0.900	0.900	0.000
30	221	0.900	0.900	0.000
35	538	0.900	0.900	0.000
35	164	0.900	0.900	0.000
35	1018	0.900	0.900	0.000
35	462	0.900	0.900	0.000
35	1032	0.900	0.900	0.000
50	566	0.900	0.900	0.000
50	197	0.900	0.900	0.000
50	793	0.900	0.900	0.000
50	802	0.900	0.900	0.000
50	61	0.900	0.900	0.000
55	795	0.900	0.900	0.000
55	921	0.900	0.900	0.000
55	741	0.900	0.900	0.000
55	809	0.900	0.900	0.000
55	804	0.900	0.900	0.000
100	449	0.900	0.900	0.000
100	541	0.900	0.900	0.000
100	476	0.900	0.900	0.000
100	45	0.900	0.900	0.000
100	642	0.900	0.900	0.000
105	1036	0.900	0.900	0.000
105	1038	0.900	0.900	0.000
105	203	0.900	0.900	0.000
105	1029	0.900	0.900	0.000
105	1027	0.900	0.900	0.000
105	Max	0.900	0.900	0.000
105	Average	0.900	0.900	0.000
105	Min	0.900	0.900	0.000
105	Std Dev	0.000	0.000	0.000



12.14_T_FAULT_MIN	
Test Site	
Tester	
Test Number	
Max Limit	1.2 us
Min Limit	0.6 us

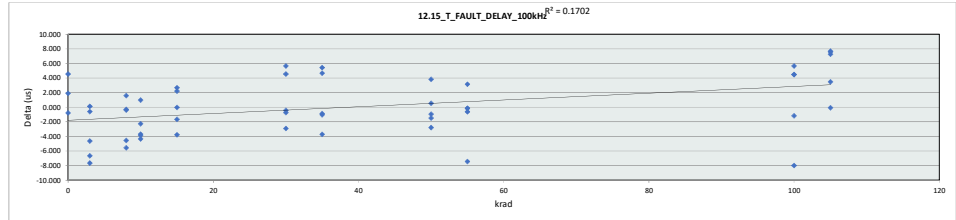
krad	0	3	8	10	15	30	35	50	55	100	105
LL	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Min	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900
Average	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900
Max	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900
UL	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200



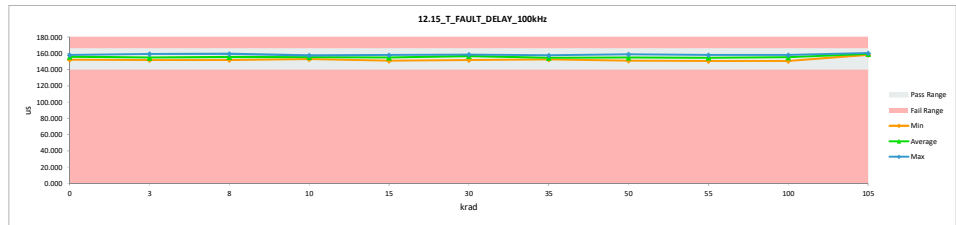
HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 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	Serial #	PRE_HDR	POST_HDR	Delta
0	552	153.345	157.920	4.575
0	726	153.027	152.271	-0.756
0	791	155.422	157.361	1.939
3	689	159.157	159.309	0.152
3	688	159.060	158.493	-0.567
3	700	159.416	151.790	-7.626
3	482	156.396	151.792	-4.604
3	1032	152.252	152.145	-0.107
8	442	158.111	152.576	-5.535
8	699	157.864	159.466	1.602
8	344	156.353	151.821	-4.532
8	355	157.790	157.429	-0.361
8	790	156.613	156.347	-0.266
10	537	156.653	152.829	-3.824
10	396	156.469	157.480	1.011
10	521	159.773	156.109	-3.664
10	535	158.606	154.300	-4.306
10	526	157.968	155.736	-2.232
15	940	154.672	150.922	-3.750
15	387	159.665	158.026	-1.639
15	787	155.485	155.487	0.002
15	1042	152.690	155.387	2.697
15	483	152.775	155.021	2.246
30	597	152.874	158.557	5.683
30	853	156.680	156.283	-0.397
30	416	153.270	157.849	4.579
30	949	154.683	151.803	-2.880
30	221	159.283	158.571	-0.712
35	538	156.773	153.101	-3.672
35	164	152.068	157.531	5.463
35	1018	153.257	152.412	-0.845
35	462	151.416	156.104	4.688
35	1032	154.122	153.120	-1.002
50	566	156.314	155.399	-0.915
50	197	152.583	151.133	-1.450
50	793	160.110	157.358	-2.752
50	802	151.183	151.749	0.566
50	61	155.102	158.952	3.850
55	795	157.873	150.458	-7.415
55	921	158.551	157.956	-0.595
55	741	152.381	155.562	3.181
55	809	155.133	155.018	-0.115
55	804	153.897	153.769	-0.128
100	449	158.594	150.631	-7.963
100	541	152.934	157.428	4.494
100	476	152.209	157.891	5.682
100	45	155.749	154.596	-1.153
100	642	150.718	155.234	4.516
105	1036	152.667	160.277	7.610
105	1038	155.458	158.960	3.502
105	203	160.179	160.142	-0.037
105	1029	151.397	158.693	7.296
105	1027	150.541	158.255	7.714
105	Max	160.179	160.277	7.714
105	Average	155.549	155.562	0.014
105	Min	150.541	150.458	-7.963
105	Std Dev	2.828	2.842	3.984



		12.15_T_FAULT_DELAY_100kHz										
Test Site	Tester											
Test Number	Unit	us	us									
Max Limit		166	166									
Min Limit		140	140									
krad	0	3	8	10	15	30	35	50	55	100	105	
LL	140.000	140.000	140.000	140.000	140.000	140.000	140.000	140.000	140.000	140.000	140.000	
Min	152.271	151.790	151.821	152.829	150.922	151.803	152.412	151.133	150.458	150.631	158.255	
Average	155.851	154.706	155.528	155.291	154.969	156.613	154.454	154.918	154.553	155.156	159.265	
Max	157.920	159.309	159.466	157.480	158.026	158.571	157.531	158.952	157.956	157.891	160.277	
UL	166.000	166.000	166.000	166.000	166.000	166.000	166.000	166.000	166.000	166.000	166.000	

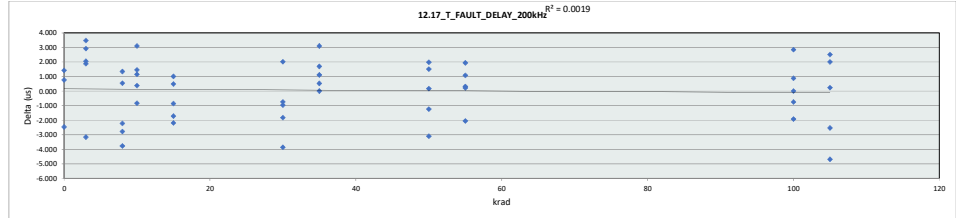


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

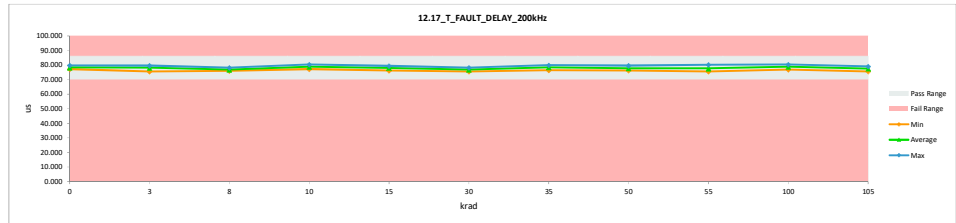
12.17_T_FAULT_DELAY_200kHz	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	86 86
Min Limit	70 70

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	78.350	79.787	1.437
0	726	79.631	77.178	-2.453
0	791	77.374	78.152	0.778
3	689	75.928	78.867	2.939
3	688	75.658	79.150	3.492
3	700	75.896	77.795	1.899
3	482	78.728	75.589	-3.139
3	1033	77.991	79.675	2.074
8	442	80.420	78.212	-2.208
8	699	75.674	77.037	1.363
8	344	79.738	75.989	-3.749
8	355	79.004	76.247	-2.757
8	730	76.296	76.853	0.557
10	437	79.901	80.388	0.397
10	396	75.831	78.948	3.117
10	521	75.767	77.237	1.470
10	535	78.311	77.494	-0.817
10	526	78.757	79.926	1.169
15	940	79.191	77.491	-1.700
15	387	78.626	79.134	0.508
15	787	76.961	76.126	-0.835
15	1042	78.357	79.378	1.021
15	483	79.997	77.826	-2.171
30	597	78.929	78.204	-0.725
30	853	78.059	76.251	-1.808
30	416	77.632	76.684	-0.948
30	949	75.862	77.898	2.036
30	221	79.389	75.553	-3.836
35	538	79.317	79.345	0.028
35	164	78.208	79.924	1.716
35	1018	75.822	76.366	0.544
35	462	76.275	77.408	1.133
35	1032	76.429	79.544	3.115
50	566	77.083	78.616	1.533
50	197	79.839	76.756	-3.083
50	793	77.516	76.292	-1.224
50	802	79.453	79.637	0.184
50	61	76.138	78.141	2.003
55	795	78.221	80.183	1.962
55	921	77.099	77.431	0.332
55	741	77.731	77.964	0.233
55	809	76.215	77.309	1.094
55	804	77.583	75.546	-2.037
100	449	75.994	76.887	0.893
100	541	76.629	79.489	2.860
100	476	79.926	78.024	-1.902
100	45	80.284	79.551	-0.733
100	642	80.336	80.360	0.024
105	1036	78.389	78.641	0.252
105	1038	78.488	75.976	-2.512
105	203	77.021	79.044	2.023
105	1029	76.111	78.641	2.530
105	1027	80.304	75.637	-4.667
105	Max	80.420	80.388	3.452
105	Average	77.894	77.958	0.064
105	Min	75.658	75.546	-4.667
105	Std Dev	1.527	1.428	2.037



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000
Min	77.178	75.589	75.989	77.237	76.126	75.553	76.366	76.292	75.546	76.887	75.637
Average	78.372	78.215	76.868	78.799	77.991	76.918	78.517	77.888	77.687	78.862	77.588
Max	79.787	79.675	78.212	80.388	79.378	78.204	79.924	79.637	80.183	80.360	79.044
UL	86.000	86.000	86.000	86.000	86.000	86.000	86.000	86.000	86.000	86.000	86.000



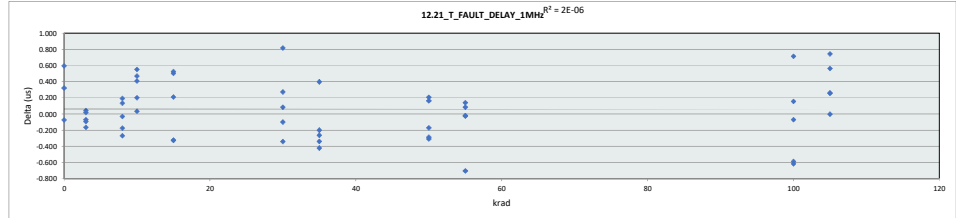


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

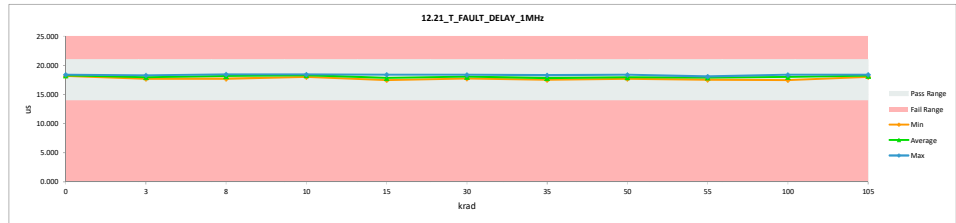
12.21_T_FAULT_DELAY_1MHZ	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	21 21
Min Limit	14 14

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	17.799	18.397	0.598
0	726	17.919	18.243	0.324
0	791	18.218	18.146	-0.072
3	689	18.054	17.892	-0.162
3	688	17.980	18.025	0.045
3	700	17.771	17.704	-0.067
3	482	18.262	18.283	0.021
3	1033	18.088	17.947	-0.091
8	442	18.433	18.406	-0.027
8	699	18.025	17.759	-0.266
8	344	18.195	18.390	0.195
8	355	18.315	18.452	0.137
8	790	17.865	17.692	-0.173
10	437	18.470	18.420	-0.410
10	396	17.901	18.373	0.472
10	521	17.882	18.436	0.554
10	535	18.120	18.324	0.204
10	526	17.946	17.983	0.037
15	940	17.538	18.044	0.506
15	387	17.832	17.512	-0.320
15	787	17.474	17.687	0.213
15	1042	17.784	17.461	-0.323
15	483	17.876	18.403	0.527
30	597	17.822	17.725	-0.097
30	853	17.601	17.876	0.275
30	416	17.540	18.358	0.818
30	949	18.118	18.204	0.086
30	221	18.369	18.031	-0.338
35	538	17.973	17.776	-0.197
35	164	17.913	17.495	-0.418
35	1018	17.902	18.302	0.400
35	462	17.861	17.524	-0.337
35	1032	18.230	17.970	-0.260
50	566	17.657	17.866	0.209
50	197	17.988	17.682	-0.306
50	793	18.209	18.041	-0.168
50	802	17.996	17.712	-0.284
50	61	18.200	18.366	0.166
55	795	18.029	18.011	-0.018
55	921	18.102	18.079	-0.023
55	741	18.232	17.531	-0.701
55	809	17.778	17.865	0.087
55	804	17.890	18.032	0.142
100	449	18.458	17.845	-0.613
100	541	18.066	17.481	-0.585
100	476	17.550	18.266	0.716
100	45	18.203	18.361	0.158
100	642	18.072	18.005	-0.067
105	1036	17.991	17.991	0.000
105	1038	17.961	18.219	0.258
105	203	18.137	18.401	0.264
105	1029	17.603	18.169	0.566
105	1027	17.474	18.219	0.745
105	Max	18.458	18.452	0.818
105	Average	17.965	18.026	0.061
105	Min	17.474	17.461	-0.701
105	Std Dev	0.241	0.301	0.353



12.21_T_FAULT_DELAY_1MHZ	
Test Site	
Tester	
Test Number	
Max Limit	21 us
Min Limit	14 us

krad	0	3	8	10	15	30	35	50	55	100	105
LL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000
Min	18.146	17.704	17.692	17.983	17.461	17.725	17.495	17.682	17.531	17.481	17.991
Average	18.262	17.970	18.140	18.307	17.821	18.039	17.813	17.933	17.904	17.992	18.200
Max	18.397	18.283	18.452	18.436	18.403	18.358	18.302	18.366	18.079	18.361	18.401
UL	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000	21.000

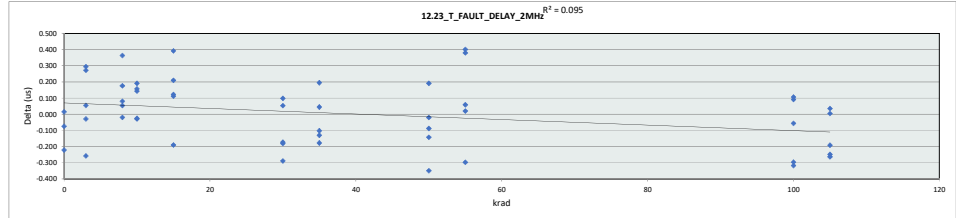


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

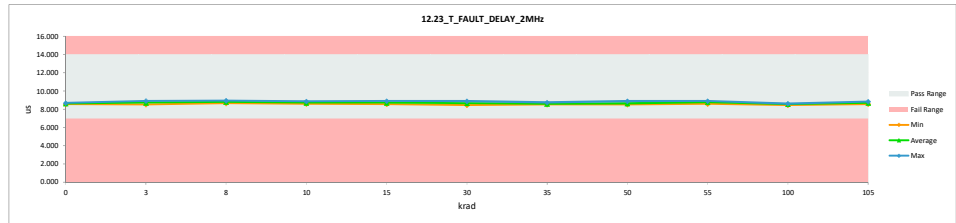
12.23_T_FAULT_DELAY_2MHz	
Test Site	
Tester	
Test Number	
Unit	us us
Max Limit	14 14
Min Limit	7 7

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.549	8.565	0.016
0	726	8.769	8.696	-0.073
0	791	8.910	8.690	-0.220
3	689	8.549	8.521	-0.028
3	688	8.656	8.929	0.273
3	700	8.545	8.841	0.296
3	482	8.927	8.671	-0.256
3	1033	8.540	8.682	0.056
8	442	8.594	8.959	0.365
8	699	8.660	8.837	0.177
8	344	8.730	8.712	-0.018
8	355	8.605	8.660	0.055
8	750	8.777	8.858	0.081
10	537	8.540	8.733	0.193
10	396	8.617	8.593	-0.024
10	521	8.665	8.823	0.158
10	535	8.691	8.663	-0.028
10	526	8.732	8.876	0.144
15	940	8.502	8.895	0.393
15	387	8.569	8.693	0.124
15	787	8.475	8.588	0.113
15	1042	8.703	8.914	0.211
15	483	8.746	8.557	-0.189
30	597	8.747	8.459	-0.288
30	853	8.842	8.896	0.054
30	416	8.958	8.787	-0.171
30	949	8.637	8.457	-0.180
30	221	8.649	8.749	0.100
35	538	8.647	8.518	-0.129
35	164	8.666	8.565	-0.101
35	1018	8.598	8.644	0.046
35	462	8.557	8.753	0.196
35	1032	8.705	8.529	-0.176
50	566	8.691	8.672	-0.019
50	197	8.697	8.556	-0.141
50	793	8.877	8.529	-0.348
50	802	8.707	8.900	0.193
50	61	8.704	8.618	-0.086
55	795	8.828	8.849	0.021
55	921	8.513	8.915	0.402
55	741	8.515	8.896	0.381
55	809	8.651	8.711	0.060
55	804	8.888	8.592	-0.296
100	449	8.616	8.561	-0.055
100	541	8.514	8.622	0.108
100	476	8.766	8.450	-0.316
100	45	8.873	8.578	-0.295
100	642	8.487	8.579	0.092
105	1036	8.956	8.694	-0.262
105	1038	8.772	8.582	-0.190
105	203	8.895	8.648	-0.247
105	1029	8.830	8.867	0.037
105	1027	8.928	8.734	-0.006
105	Max	8.958	8.959	0.402
105	Average	8.692	8.696	0.004
105	Min	8.475	8.450	-0.348
105	Std Dev	0.130	0.142	0.197



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

krad	0	3	8	10	15	30	35	50	55	100	105
LL	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
Min	8.565	8.521	8.660	8.593	8.557	8.457	8.518	8.529	8.592	8.450	8.582
Average	8.650	8.729	8.805	8.738	8.729	8.670	8.602	8.655	8.793	8.558	8.705
Max	8.696	8.929	8.959	8.876	8.914	8.896	8.753	8.900	8.915	8.622	8.867
UL	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000

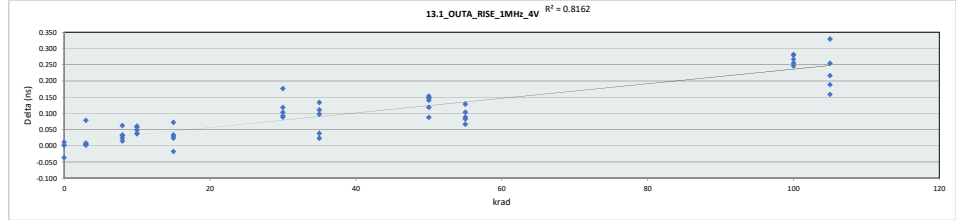


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

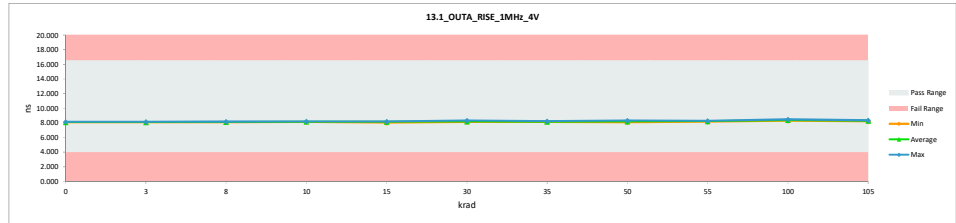
13.1_OUTA_RISE_1MHZ_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	8.178	8.142	-0.036
0	726	8.096	8.098	0.002
0	791	8.055	8.067	0.012
3	689	8.065	8.074	0.009
3	688	8.057	8.060	0.003
3	700	8.092	8.095	0.003
3	482	8.124	8.128	0.004
3	1033	8.157	8.146	-0.011
8	442	8.067	8.082	0.015
8	699	8.026	8.089	0.063
8	344	8.062	8.096	0.034
8	355	8.061	8.085	0.024
8	790	8.151	8.183	0.032
10	537	8.151	8.212	0.061
10	396	8.100	8.138	0.038
10	521	8.058	8.107	0.049
10	535	8.126	8.164	0.038
10	526	8.103	8.161	0.058
15	940	8.173	8.197	0.024
15	387	8.140	8.174	0.034
15	787	8.040	8.023	-0.017
15	1042	8.104	8.177	0.073
15	483	8.146	8.176	0.030
30	597	8.144	8.321	0.177
30	853	8.073	8.177	0.104
30	416	8.074	8.167	0.093
30	949	8.018	8.137	0.119
30	221	8.110	8.199	0.089
35	538	8.117	8.215	0.098
35	164	8.109	8.243	0.134
35	1018	8.130	8.169	0.039
35	462	8.028	8.139	0.111
35	1032	8.105	8.129	0.024
50	566	8.054	8.195	0.141
50	197	8.002	8.090	0.088
50	793	8.043	8.197	0.154
50	802	8.071	8.190	0.119
50	61	8.169	8.317	0.148
55	795	8.096	8.200	0.104
55	921	8.215	8.282	0.067
55	741	8.123	8.212	0.089
55	809	8.095	8.178	0.083
55	804	8.135	8.264	0.129
100	449	8.135	8.382	0.247
100	541	8.049	8.331	0.282
100	476	8.086	8.353	0.267
100	45	8.056	8.312	0.256
100	642	8.204	8.484	0.280
105	1036	8.101	8.290	0.189
105	1038	8.033	8.363	0.330
105	203	8.053	8.212	0.159
105	1029	8.092	8.347	0.255
105	1027	8.096	8.313	0.217
105	Max	8.215	8.484	0.350
	Average	8.095	8.194	0.099
	Min	8.002	8.023	-0.036
	Std Dev	0.048	0.097	0.088



13.1_OUTA_RISE_1MHZ_4V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	8.067	8.060	8.082	8.107	8.023	8.137	8.129	8.090	8.178	8.312	8.212
Average	8.102	8.101	8.107	8.156	8.149	8.200	8.179	8.198	8.227	8.372	8.305
Max	8.142	8.146	8.183	8.212	8.197	8.321	8.243	8.317	8.282	8.484	8.363
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

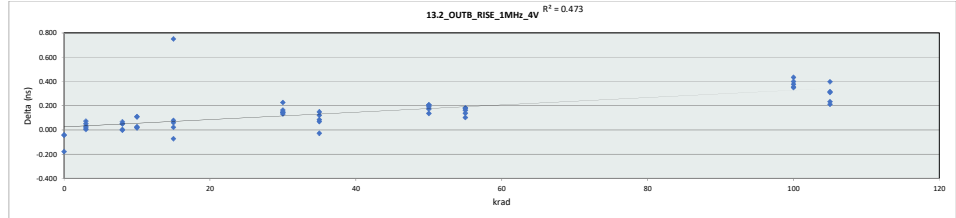


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

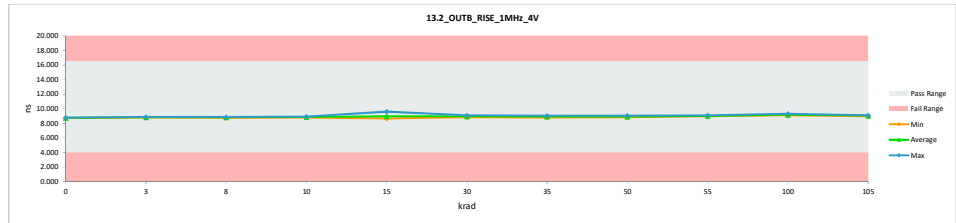
13.2_OUTB_RISE_1MHZ_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.977	8.800	-0.177
0	726	8.795	8.756	-0.039
0	791	8.748	8.707	-0.041
3	689	8.747	8.799	0.052
3	688	8.784	8.790	0.006
3	700	8.835	8.853	0.018
3	482	8.844	8.876	0.032
3	1033	8.834	8.834	0.075
8	442	8.791	8.797	0.006
8	699	8.706	8.759	0.053
8	344	8.799	8.850	0.051
8	355	8.795	8.864	0.069
8	750	8.876	8.876	0.000
10	537	8.911	8.933	0.022
10	396	8.798	8.817	0.019
10	521	8.720	8.829	0.109
10	535	8.873	8.902	0.029
10	526	8.810	8.923	0.113
15	940	8.850	9.602	0.752
15	387	8.826	8.850	0.024
15	787	8.732	8.661	-0.071
15	1042	8.789	8.870	0.081
15	483	8.864	8.925	0.061
30	597	8.866	9.094	0.228
30	853	8.774	8.907	0.133
30	416	8.777	8.927	0.150
30	949	8.722	8.866	0.144
30	221	8.819	8.985	0.166
35	538	8.843	8.966	0.123
35	164	8.965	9.036	0.071
35	1018	8.919	9.006	0.087
35	462	8.893	8.843	-0.050
35	1032	8.813	8.787	-0.026
50	566	8.762	8.954	0.192
50	197	8.683	8.821	0.138
50	793	8.740	8.948	0.208
50	802	8.729	8.938	0.209
50	61	8.893	9.067	0.174
55	795	8.805	8.970	0.165
55	921	8.924	9.104	0.180
55	741	8.830	9.014	0.184
55	809	8.851	8.955	0.104
55	804	8.877	9.016	0.139
100	449	8.874	9.225	0.351
100	541	8.736	9.171	0.435
100	476	8.739	9.140	0.401
100	45	8.733	9.089	0.356
100	642	8.943	9.321	0.378
105	1036	8.813	9.026	0.213
105	1038	8.712	9.111	0.399
105	203	8.733	8.968	0.235
105	1029	8.729	9.047	0.318
105	1027	8.983	8.993	0.010
105	Max	8.977	9.602	0.752
105	Average	8.806	8.948	0.143
105	Min	8.683	8.661	-0.177
105	Std Dev	0.072	0.162	0.156



13.2_OUTB_RISE_1MHZ_4V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	8.707	8.790	8.759	8.817	8.661	8.866	8.787	8.821	8.955	9.089	8.968
Average	8.754	8.830	8.829	8.881	8.982	8.956	8.928	8.946	9.012	9.189	9.049
Max	8.800	8.876	8.876	8.933	9.602	9.094	9.036	9.067	9.104	9.321	9.111
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

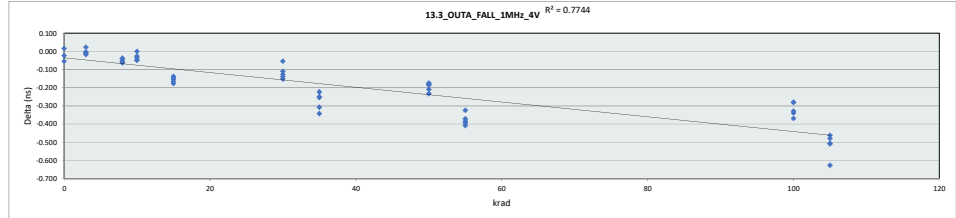


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

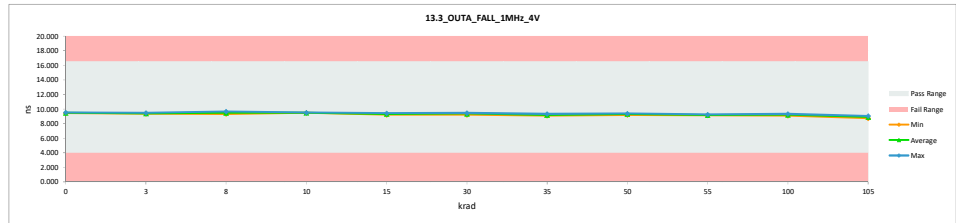
13.3_OUTA_FALL_1MHZ_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	9.589	9.536	-0.053
0	726	9.490	9.468	-0.022
0	791	9.427	9.444	0.017
3	689	9.366	9.363	-0.003
3	688	9.489	9.475	-0.014
3	700	9.396	9.391	-0.005
3	482	9.417	9.401	-0.016
3	1033	9.215	9.379	0.024
8	442	9.705	9.649	-0.056
8	699	9.362	9.326	-0.036
8	344	9.523	9.470	-0.053
8	355	9.642	9.600	-0.042
8	730	9.530	9.468	-0.062
10	537	9.502	9.469	-0.033
10	396	9.552	9.504	-0.048
10	521	9.471	9.472	0.001
10	535	9.528	9.503	-0.025
10	526	9.560	9.513	-0.047
15	540	9.537	9.361	-0.176
15	387	9.569	9.424	-0.145
15	787	9.381	9.216	-0.165
15	1042	9.458	9.322	-0.136
15	483	9.425	9.272	-0.153
30	597	9.501	9.448	-0.053
30	853	9.491	9.222	-0.139
30	416	9.563	9.454	-0.109
30	949	9.492	9.367	-0.125
30	221	9.532	9.381	-0.151
35	538	9.466	9.213	-0.253
35	164	9.496	9.247	-0.249
35	1018	9.413	9.107	-0.306
35	462	9.558	9.336	-0.222
35	1032	9.435	9.094	-0.341
50	566	9.518	9.310	-0.208
50	197	9.374	9.201	-0.173
50	793	9.509	9.326	-0.183
50	802	9.588	9.356	-0.232
50	61	9.569	9.387	-0.182
55	795	9.477	9.154	-0.323
55	921	9.584	9.201	-0.383
55	741	9.511	9.141	-0.370
55	809	9.650	9.243	-0.407
55	804	9.523	9.130	-0.393
100	449	9.562	9.235	-0.327
100	541	9.609	9.329	-0.280
100	476	9.475	9.197	-0.278
100	45	9.437	9.099	-0.338
100	642	9.601	9.233	-0.368
105	1036	9.438	8.961	-0.477
105	1038	9.347	8.722	-0.625
105	203	9.564	9.060	-0.504
105	1029	9.335	8.875	-0.460
105	1027	9.432	8.824	-0.508
105	Max	9.705	9.649	0.024
105	Average	9.494	9.301	-0.193
105	Min	9.335	8.722	-0.625
105	Std Dev	0.086	0.186	0.163



13.3_OUTA_FALL_1MHZ_4V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	9.444	9.363	9.326	9.469	9.216	9.222	9.094	9.201	9.130	9.099	8.722
Average	9.483	9.402	9.503	9.492	9.319	9.374	9.199	9.316	9.174	9.219	8.908
Max	9.536	9.475	9.649	9.513	9.424	9.454	9.336	9.387	9.243	9.329	9.060
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

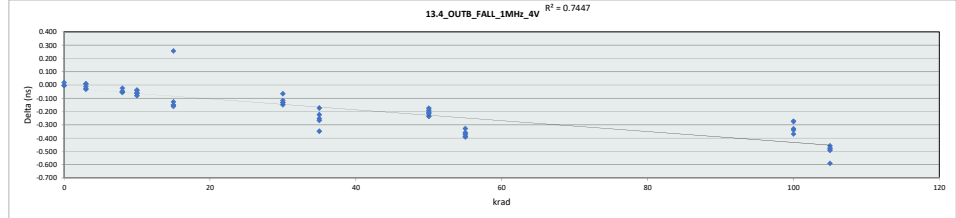


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

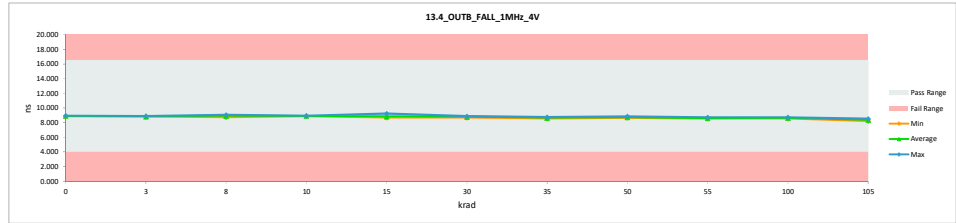
13.4_OUTB_FALL_1MHZ_4V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.972	8.972	0.000
0	726	8.936	8.932	-0.004
0	791	8.832	8.853	0.021
3	689	8.820	8.832	0.012
3	688	8.949	8.921	-0.028
3	700	8.834	8.804	-0.030
3	482	8.896	8.884	-0.012
3	1033	8.831	8.831	0.000
8	442	9.119	9.065	-0.054
8	699	8.776	8.754	-0.022
8	344	8.944	8.898	-0.046
8	355	9.077	9.024	-0.053
8	790	9.011	8.961	-0.050
10	537	8.981	8.933	-0.038
10	396	9.003	8.924	-0.079
10	521	8.929	8.874	-0.055
10	535	9.013	8.949	-0.064
10	526	9.000	8.963	-0.037
15	940	8.982	8.940	-0.042
15	387	8.973	8.913	-0.060
15	787	8.856	8.707	-0.149
15	1042	8.910	8.758	-0.152
15	483	8.899	8.773	-0.126
30	597	8.958	8.894	-0.064
30	853	8.820	8.672	-0.148
30	416	8.989	8.874	-0.115
30	949	8.909	8.778	-0.131
30	221	8.973	8.841	-0.132
35	538	8.899	8.647	-0.252
35	164	8.925	8.753	-0.172
35	1018	8.879	8.614	-0.265
35	462	8.984	8.762	-0.222
35	1032	8.931	8.584	-0.347
50	566	8.938	8.723	-0.215
50	197	8.866	8.662	-0.204
50	793	8.897	8.724	-0.173
50	802	8.959	8.723	-0.236
50	61	9.056	8.866	-0.190
55	795	8.886	8.559	-0.327
55	921	9.048	8.679	-0.369
55	741	8.997	8.612	-0.385
55	809	9.115	8.724	-0.391
55	804	8.919	8.562	-0.357
100	449	9.018	8.690	-0.328
100	541	9.020	8.748	-0.272
100	476	8.909	8.636	-0.273
100	45	8.926	8.558	-0.368
100	642	9.023	8.685	-0.338
105	1036	8.910	8.435	-0.475
105	1038	8.812	8.223	-0.589
105	203	9.031	8.539	-0.492
105	1029	8.774	8.317	-0.457
105	1027	8.888	8.408	-0.480
105	Max	9.119	9.240	0.258
105	Average	8.939	8.758	-0.182
105	Min	8.774	8.223	-0.589
105	Std Dev	0.080	0.187	0.169



13.4_OUTB_FALL_1MHZ_4V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	8.853	8.804	8.754	8.874	8.707	8.672	8.584	8.662	8.559	8.558	8.223
Average	8.919	8.954	8.940	8.929	8.858	8.812	8.672	8.740	8.627	8.663	8.384
Max	8.972	8.921	9.065	8.963	9.240	8.894	8.762	8.866	8.724	8.748	8.539
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

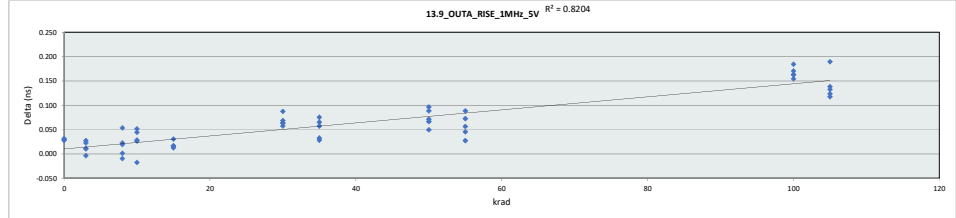


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

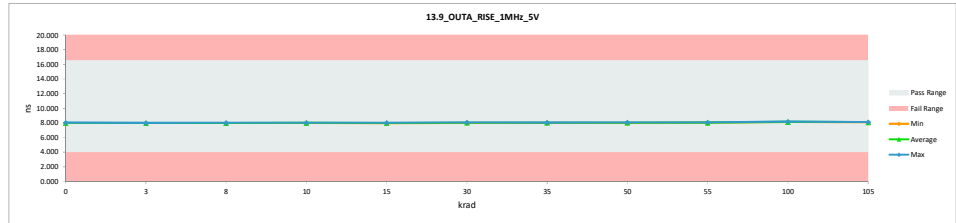
13.9_OUTA_RISE_1MHZ_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE HDR	POST HDR	Delta
0	552	8.014	8.043	0.029
0	726	7.975	8.004	0.029
0	791	7.940	7.972	0.032
3	689	7.973	7.984	0.011
3	688	7.941	7.964	0.023
3	700	7.974	7.971	-0.003
3	482	7.979	8.007	0.028
3	1033	7.992	8.004	0.012
8	442	7.966	7.968	0.002
8	699	7.928	7.982	0.054
8	344	7.945	7.968	0.023
8	355	7.970	7.990	0.020
8	730	8.020	8.011	-0.009
10	537	7.979	8.024	0.045
10	396	7.975	8.004	0.029
10	521	7.982	7.965	-0.017
10	535	7.977	8.029	0.052
10	526	7.992	8.019	0.027
15	540	7.990	8.021	0.031
15	387	8.000	8.013	0.013
15	787	7.929	7.946	0.017
15	1042	7.950	7.967	0.017
15	483	8.005	8.022	0.017
30	597	8.009	8.078	0.069
30	853	7.950	8.008	0.058
30	416	7.963	8.027	0.064
30	949	7.942	8.006	0.064
30	221	7.970	8.058	0.088
35	538	7.986	8.052	0.066
35	164	7.966	8.024	0.058
35	1018	7.991	8.024	0.033
35	462	7.927	8.003	0.076
35	1032	7.992	8.021	0.029
50	566	7.966	8.038	0.072
50	197	7.874	7.963	0.089
50	793	7.990	8.040	0.050
50	802	7.956	8.053	0.097
50	61	8.020	8.087	0.067
55	795	7.975	8.048	0.073
55	921	8.024	8.081	0.057
55	741	8.004	8.050	0.046
55	809	7.986	8.014	0.028
55	804	7.996	8.085	0.089
100	449	7.983	8.146	0.163
100	541	7.933	8.104	0.171
100	476	7.952	8.116	0.164
100	45	7.950	8.135	0.185
100	642	8.028	8.183	0.155
105	1036	7.974	8.107	0.133
105	1038	7.914	8.104	0.190
105	203	7.953	8.071	0.118
105	1029	7.967	8.091	0.124
105	1027	7.974	8.113	0.139
105	Max	8.028	8.183	0.190
105	Average	7.972	8.034	0.062
105	Min	7.874	7.946	-0.017
105	Std Dev	0.030	0.053	0.053



13.9_OUTA_RISE_1MHZ_5V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	7.972	7.964	7.968	7.965	7.946	8.006	8.003	7.963	8.014	8.104	8.071
Average	8.006	7.986	7.984	8.008	7.994	8.035	8.025	8.036	8.056	8.137	8.097
Max	8.043	8.007	8.011	8.029	8.022	8.078	8.052	8.087	8.085	8.183	8.113
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

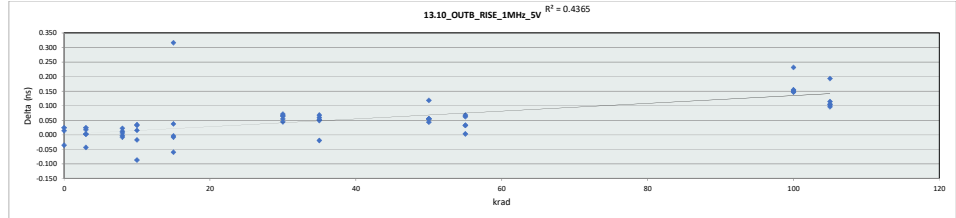


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

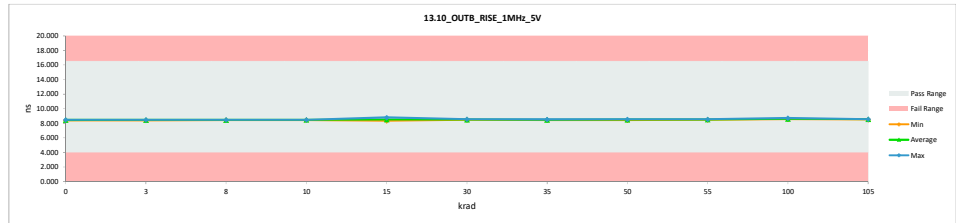
13.10_OUTB_RISE_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.537	8.502	-0.035
0	726	8.444	8.469	0.025
0	791	8.404	8.419	0.015
3	689	8.460	8.417	-0.043
3	688	8.455	8.458	0.003
3	700	8.469	8.494	0.025
3	482	8.476	8.494	0.018
3	1033	8.459	8.462	0.003
8	442	8.468	8.481	0.013
8	699	8.421	8.444	0.023
8	344	8.469	8.467	-0.002
8	355	8.463	8.470	0.007
8	730	8.499	8.492	-0.007
10	537	8.516	8.450	-0.066
10	396	8.468	8.501	0.033
10	521	8.484	8.467	-0.017
10	535	8.471	8.506	0.035
10	526	8.487	8.503	0.016
15	540	8.498	8.815	0.317
15	387	8.493	8.486	-0.007
15	787	8.427	8.368	-0.059
15	1042	8.461	8.458	-0.003
15	483	8.488	8.526	0.038
30	597	8.511	8.583	0.072
30	853	8.445	8.490	0.045
30	416	8.460	8.515	0.055
30	949	8.419	8.483	0.064
30	221	8.471	8.538	0.067
35	538	8.475	8.528	0.053
35	164	8.494	8.544	0.050
35	1018	8.478	8.546	0.068
35	462	8.420	8.480	0.060
35	1032	8.464	8.445	-0.019
50	566	8.466	8.522	0.056
50	197	8.375	8.430	0.055
50	793	8.454	8.509	0.055
50	802	8.411	8.530	0.119
50	61	8.522	8.566	0.044
55	795	8.485	8.489	0.004
55	921	8.538	8.571	0.033
55	741	8.476	8.544	0.068
55	809	8.471	8.504	0.033
55	804	8.494	8.557	0.063
100	449	8.489	8.643	0.154
100	541	8.425	8.580	0.155
100	476	8.435	8.585	0.150
100	45	8.435	8.582	0.147
100	642	8.496	8.728	0.232
105	1036	8.470	8.573	0.103
105	1038	8.388	8.582	0.194
105	203	8.421	8.518	0.097
105	1029	8.429	8.535	0.106
105	1027	8.466	8.581	0.115
105	Max	8.538	8.815	0.317
105	Average	8.465	8.518	0.053
105	Min	8.375	8.368	-0.086
105	Std Dev	0.036	0.074	0.072



13.10_OUTB_RISE_1MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	8.419	8.417	8.444	8.450	8.368	8.483	8.445	8.430	8.489	8.580	8.518
Average	8.463	8.465	8.471	8.485	8.531	8.522	8.509	8.511	8.533	8.624	8.558
Max	8.502	8.494	8.492	8.506	8.815	8.583	8.546	8.566	8.571	8.728	8.582
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500



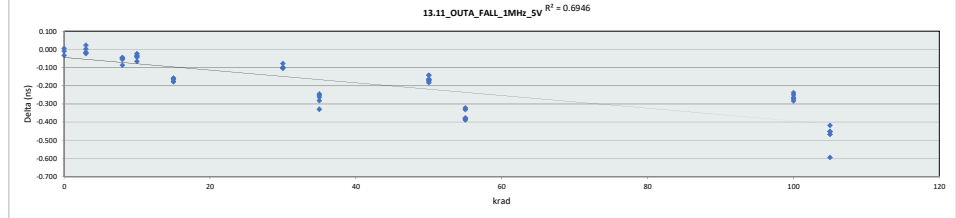


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

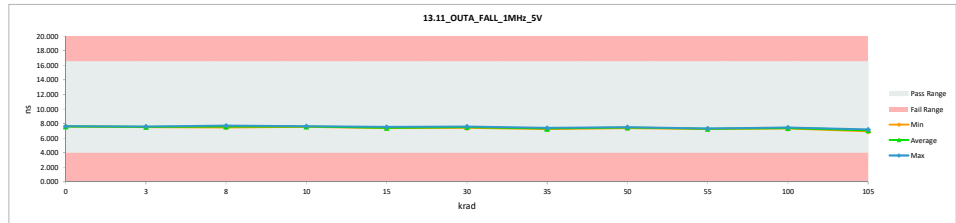
13.11_OUTA_FALL_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	7.677	7.645	-0.032
0	726	7.632	7.623	-0.009
0	791	7.579	7.585	0.006
3	689	7.526	7.529	0.003
3	688	7.628	7.606	-0.022
3	700	7.533	7.517	-0.016
3	482	7.556	7.537	-0.019
3	1033	7.515	7.515	0.024
8	442	7.769	7.715	-0.054
8	699	7.523	7.479	-0.044
8	344	7.637	7.589	-0.048
8	355	7.714	7.668	-0.046
8	790	7.633	7.547	-0.086
10	537	7.618	7.576	-0.042
10	396	7.679	7.656	-0.023
10	521	7.630	7.565	-0.065
10	535	7.630	7.595	-0.035
10	526	7.664	7.627	-0.037
15	940	7.641	7.465	-0.176
15	387	7.699	7.535	-0.164
15	787	7.542	7.383	-0.159
15	1042	7.570	7.393	-0.177
15	483	7.585	7.428	-0.157
30	597	7.624	7.526	-0.098
30	853	7.512	7.411	-0.101
30	416	7.567	7.590	-0.077
30	949	7.626	7.524	-0.102
30	221	7.645	7.544	-0.101
35	538	7.592	7.342	-0.250
35	164	7.560	7.316	-0.244
35	1018	7.535	7.254	-0.281
35	462	7.667	7.406	-0.261
35	1032	7.560	7.232	-0.328
50	566	7.659	7.488	-0.171
50	197	7.514	7.373	-0.141
50	793	7.665	7.501	-0.164
50	802	7.683	7.520	-0.163
50	61	7.678	7.496	-0.182
55	795	7.601	7.280	-0.321
55	921	7.630	7.300	-0.330
55	741	7.618	7.242	-0.376
55	809	7.727	7.340	-0.387
55	804	7.630	7.249	-0.381
100	449	7.645	7.408	-0.237
100	541	7.746	7.475	-0.271
100	476	7.610	7.347	-0.263
100	45	7.563	7.314	-0.249
100	642	7.678	7.395	-0.283
105	1036	7.568	7.151	-0.417
105	1038	7.512	6.919	-0.593
105	203	7.649	7.197	-0.452
105	1029	7.510	7.044	-0.466
105	1027	7.574	7.122	-0.449
105	Max	7.769	7.715	0.024
105	Average	7.615	7.436	-0.180
105	Min	7.491	6.919	-0.593
105	Std Dev	0.065	0.168	0.149



13.11_OUTA_FALL_1MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	7.585	7.515	7.479	7.565	7.383	7.411	7.232	7.373	7.242	7.314	6.919
Average	7.618	7.541	7.600	7.604	7.441	7.519	7.310	7.476	7.282	7.388	7.087
Max	7.645	7.606	7.715	7.656	7.535	7.590	7.406	7.520	7.340	7.475	7.197
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

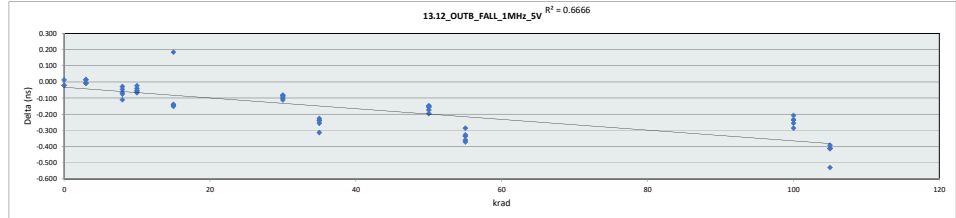


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

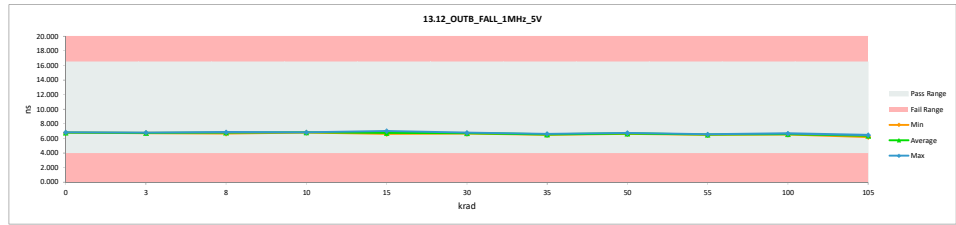
13.12_OUTB_FALL_1MHz_5V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	6.870	6.849	-0.021
0	726	6.859	6.839	-0.020
0	791	6.779	6.793	0.014
3	689	6.762	6.755	-0.007
3	688	6.828	6.821	-0.007
3	700	6.747	6.740	-0.007
3	482	6.768	6.782	0.014
3	1033	6.773	6.755	0.017
8	442	6.981	6.872	-0.109
8	699	6.717	6.690	-0.027
8	344	6.834	6.789	-0.045
8	355	6.935	6.869	-0.066
8	790	6.881	6.807	-0.074
10	537	6.878	6.825	-0.053
10	396	6.877	6.838	-0.039
10	521	6.863	6.797	-0.066
10	535	6.866	6.844	-0.022
10	526	6.908	6.853	-0.055
15	940	6.848	7.033	0.185
15	387	6.863	6.725	-0.138
15	787	6.810	6.671	-0.139
15	1042	6.794	6.649	-0.145
15	483	6.830	6.680	-0.150
30	597	6.857	6.746	-0.111
30	853	6.753	6.653	-0.100
30	416	6.875	6.793	-0.082
30	949	6.815	6.723	-0.092
30	221	6.859	6.779	-0.080
35	538	6.805	6.567	-0.238
35	164	6.829	6.593	-0.236
35	1018	6.773	6.519	-0.254
35	462	6.866	6.641	-0.225
35	1032	6.828	6.516	-0.312
50	566	6.844	6.690	-0.154
50	197	6.777	6.632	-0.145
50	793	6.858	6.686	-0.172
50	802	6.853	6.703	-0.150
50	61	6.948	6.753	-0.195
55	795	6.810	6.525	-0.285
55	921	6.865	6.538	-0.327
55	741	6.871	6.536	-0.335
55	809	6.955	6.585	-0.370
55	804	6.834	6.476	-0.358
100	449	6.885	6.653	-0.232
100	541	6.890	6.684	-0.206
100	476	6.822	6.588	-0.234
100	45	6.817	6.563	-0.254
100	642	6.882	6.597	-0.285
105	1036	6.828	6.417	-0.411
105	1038	6.741	6.213	-0.528
105	203	6.890	6.478	-0.412
105	1029	6.726	6.317	-0.409
105	1027	6.815	6.425	-0.390
105	Max	6.981	7.053	0.185
105	Average	6.838	6.677	-0.161
105	Min	6.717	6.213	-0.528
105	Std Dev	0.058	0.154	0.144



13.12_OUTB_FALL_1MHz_5V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	6.793	6.740	6.690	6.797	6.649	6.653	6.516	6.632	6.476	6.563	6.213
Average	6.827	6.771	6.805	6.831	6.752	6.739	6.567	6.693	6.532	6.617	6.370
Max	6.849	6.821	6.872	6.853	7.033	6.793	6.641	6.753	6.585	6.684	6.478
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

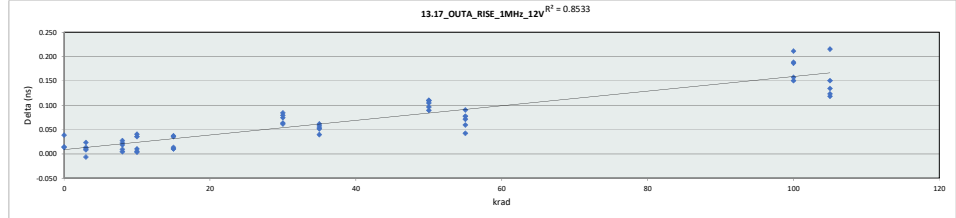


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

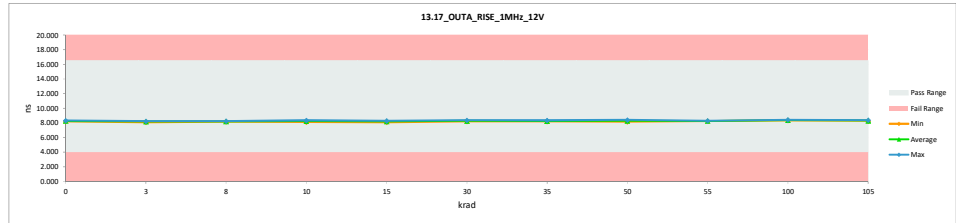
13.17_OUTA_RISE_1MHZ_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.309	8.324	0.015
0	726	8.190	8.229	0.039
0	791	8.188	8.202	0.014
3	689	8.228	8.239	0.011
3	688	8.186	8.180	-0.006
3	700	8.093	8.102	0.009
3	482	8.200	8.214	0.014
3	1033	8.164	8.196	0.024
8	442	8.167	8.195	0.028
8	699	8.220	8.239	0.019
8	344	8.151	8.161	0.010
8	355	8.138	8.161	0.023
8	790	8.244	8.249	0.005
10	537	8.219	8.255	0.036
10	396	8.254	8.260	0.006
10	521	8.168	8.209	0.041
10	535	8.289	8.293	0.004
10	526	8.107	8.118	0.011
15	940	8.179	8.217	0.038
15	387	8.250	8.286	0.036
15	787	8.077	8.088	0.011
15	1042	8.261	8.272	0.011
15	483	8.148	8.162	0.014
30	597	8.288	8.368	0.080
30	853	8.163	8.225	0.062
30	416	8.188	8.253	0.075
30	949	8.181	8.245	0.064
30	221	8.144	8.229	0.085
35	538	8.317	8.357	0.040
35	164	8.132	8.184	0.052
35	1018	8.164	8.226	0.062
35	462	8.139	8.197	0.058
35	1032	8.144	8.198	0.054
50	566	8.218	8.315	0.097
50	197	8.067	8.172	0.105
50	793	8.143	8.233	0.090
50	802	8.298	8.408	0.110
50	61	8.227	8.338	0.111
55	795	8.210	8.270	0.060
55	921	8.173	8.251	0.078
55	741	8.192	8.235	0.043
55	809	8.164	8.255	0.091
55	804	8.237	8.309	0.072
100	449	8.285	8.436	0.151
100	541	8.215	8.373	0.158
100	476	8.145	8.357	0.212
100	45	8.165	8.354	0.189
100	642	8.176	8.363	0.187
105	1036	8.262	8.381	0.119
105	1038	8.135	8.351	0.216
105	203	8.154	8.278	0.124
105	1029	8.160	8.311	0.151
105	1027	8.177	8.312	0.135
105	Max	8.219	8.436	0.216
105	Average	8.192	8.259	0.067
105	Min	8.067	8.088	-0.006
105	Std Dev	0.060	0.079	0.058



13.17_OUTA_RISE_1MHZ_12V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	8.202	8.102	8.161	8.118	8.088	8.225	8.184	8.172	8.235	8.354	8.278
Average	8.252	8.186	8.201	8.247	8.205	8.266	8.232	8.293	8.264	8.377	8.327
Max	8.324	8.239	8.249	8.355	8.286	8.368	8.357	8.408	8.309	8.436	8.381
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

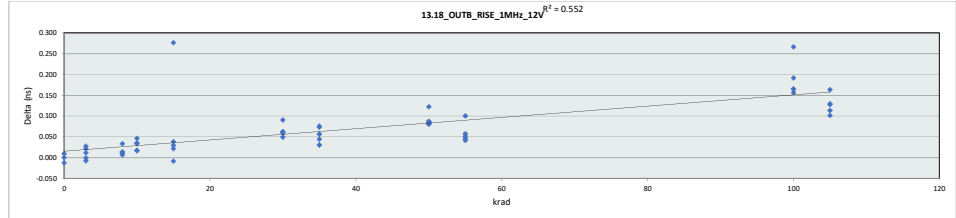


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

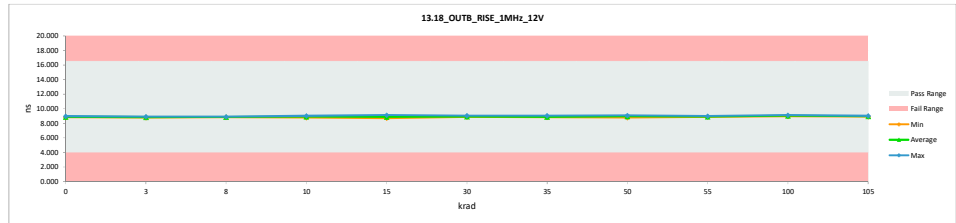
13.18_OUTB_RISE_1MHZ_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	9.001	8.989	-0.012
0	726	8.865	8.875	0.010
0	791	8.846	8.847	0.001
3	689	8.896	8.918	0.022
3	688	8.876	8.869	-0.007
3	700	8.768	8.796	0.028
3	482	8.874	8.874	0.000
3	1033	8.839	8.851	0.012
8	442	8.846	8.880	0.034
8	699	8.879	8.886	0.007
8	344	8.841	8.852	0.011
8	355	8.826	8.840	0.014
8	730	8.894	8.908	0.014
10	537	9.035	9.033	0.017
10	396	8.933	8.951	0.018
10	521	8.846	8.880	0.034
10	535	8.951	8.987	0.036
10	526	8.763	8.810	0.047
15	540	8.850	9.127	0.277
15	387	8.901	8.940	0.039
15	787	8.732	8.724	-0.008
15	1042	8.931	8.961	0.030
15	483	8.789	8.811	0.022
30	597	8.957	9.048	0.091
30	853	8.825	8.885	0.060
30	416	8.858	8.921	0.063
30	949	8.848	8.898	0.050
30	221	8.825	8.887	0.062
35	538	9.011	9.056	0.045
35	164	8.825	8.901	0.076
35	1018	8.834	8.891	0.057
35	462	8.808	8.882	0.074
35	1032	8.803	8.834	0.031
50	566	8.900	8.988	0.088
50	197	8.724	8.806	0.082
50	793	8.796	8.880	0.084
50	802	8.968	9.091	0.123
50	61	8.917	8.998	0.081
55	795	8.912	8.964	0.052
55	921	8.842	8.900	0.058
55	741	8.858	8.905	0.047
55	809	8.861	8.903	0.042
55	804	8.897	8.998	0.101
100	449	8.965	9.131	0.166
100	541	8.893	9.058	0.165
100	476	8.820	9.012	0.192
100	45	8.831	8.988	0.157
100	642	8.785	9.052	0.267
105	1036	8.909	9.037	0.128
105	1038	8.825	8.989	0.164
105	203	8.788	8.918	0.130
105	1029	8.806	8.920	0.114
105	1027	8.843	8.945	0.102
105	Max	9.016	9.131	0.277
105	Average	8.862	8.930	0.068
105	Min	8.724	8.724	-0.012
105	Std Dev	0.066	0.087	0.065



13.18_OUTB_RISE_1MHZ_12V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	8.847	8.796	8.840	8.810	8.724	8.885	8.834	8.806	8.900	8.988	8.918
Average	8.904	8.862	8.873	8.922	8.913	8.928	8.913	8.953	8.934	9.048	8.962
Max	8.989	8.918	8.908	9.033	9.127	9.048	9.056	9.091	8.998	9.131	9.037
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

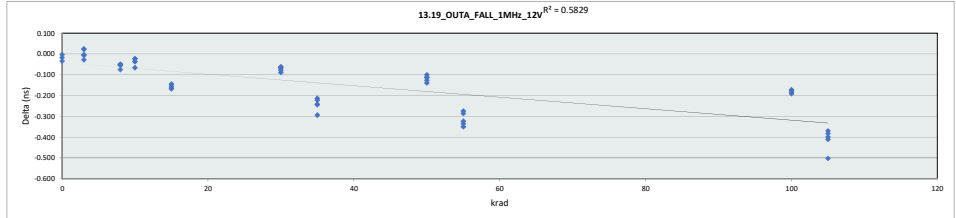


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

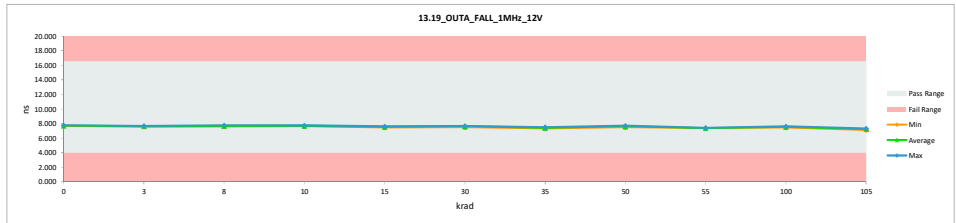
13.19_OUTA_FALL_1MHz_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	7.800	7.767	-0.033
0	726	7.710	7.694	-0.016
0	791	7.684	7.682	-0.002
3	689	7.628	7.654	0.026
3	688	7.706	7.679	-0.027
3	700	7.572	7.566	-0.006
3	482	7.634	7.657	0.023
3	1033	7.606	7.602	-0.002
8	442	7.814	7.765	-0.049
8	699	7.664	7.612	-0.052
8	344	7.711	7.662	-0.049
8	355	7.757	7.705	-0.052
8	790	7.708	7.634	-0.074
10	537	7.771	7.748	-0.023
10	396	7.780	7.759	-0.021
10	521	7.693	7.657	-0.036
10	535	7.782	7.717	-0.065
10	526	7.667	7.632	-0.035
15	940	7.690	7.526	-0.164
15	387	7.772	7.629	-0.143
15	787	7.616	7.461	-0.155
15	1042	7.733	7.567	-0.166
15	483	7.639	7.493	-0.146
30	597	7.740	7.680	-0.060
30	853	7.611	7.523	-0.088
30	416	7.747	7.684	-0.063
30	949	7.711	7.634	-0.077
30	221	7.695	7.625	-0.070
35	538	7.758	7.516	-0.242
35	164	7.632	7.411	-0.221
35	1018	7.606	7.364	-0.242
35	462	7.707	7.495	-0.212
35	1032	7.638	7.345	-0.293
50	566	7.763	7.651	-0.112
50	197	7.592	7.493	-0.099
50	793	7.704	7.593	-0.111
50	802	7.848	7.723	-0.125
50	61	7.748	7.610	-0.138
55	795	7.672	7.399	-0.273
55	921	7.674	7.389	-0.285
55	741	7.685	7.363	-0.322
55	809	7.772	7.423	-0.349
55	804	7.721	7.387	-0.334
100	449	7.766	7.583	-0.183
100	541	7.796	7.625	-0.171
100	476	7.690	7.500	-0.190
100	45	7.641	7.468	-0.173
100	642	7.572	7.496	-0.076
105	1036	7.703	7.321	-0.382
105	1038	7.632	7.131	-0.501
105	203	7.699	7.330	-0.369
105	1029	7.606	7.196	-0.410
105	1027	7.669	7.271	-0.398
105	Max	7.848	7.767	0.026
105	Average	7.699	7.549	-0.150
105	Min	7.572	7.131	-0.501
105	Std Dev	0.064	0.151	0.129



13.19_OUTA_FALL_1MHz_12V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	7.682	7.566	7.612	7.632	7.461	7.523	7.345	7.493	7.363	7.468	7.131
Average	7.714	7.632	7.676	7.703	7.535	7.629	7.426	7.614	7.392	7.534	7.250
Max	7.767	7.679	7.765	7.759	7.629	7.684	7.516	7.723	7.423	7.625	7.330
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

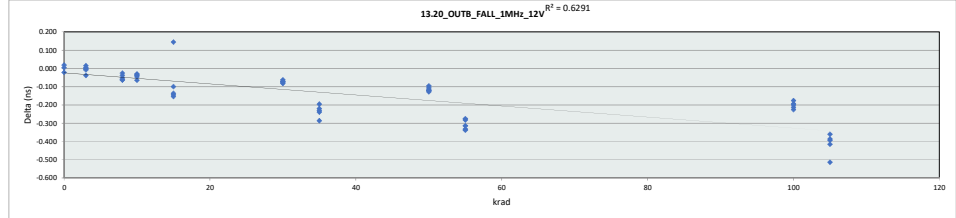


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

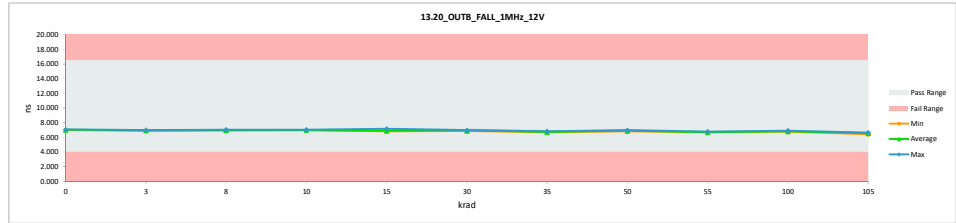
13.20_OUTB_FALL_1MHZ_12V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	7.076	7.056	-0.020
0	726	7.005	7.011	0.006
0	791	6.963	6.983	0.020
3	689	6.985	6.948	-0.037
3	688	6.995	6.999	0.004
3	700	6.880	6.884	0.004
3	482	6.956	6.973	0.017
3	1033	6.930	6.932	-0.006
8	442	7.085	7.048	-0.037
8	699	6.926	6.902	-0.024
8	344	6.991	6.940	-0.051
8	355	7.047	6.985	-0.062
8	730	7.026	6.965	-0.061
10	537	7.079	7.045	-0.033
10	396	7.058	7.021	-0.037
10	521	7.004	6.941	-0.063
10	535	7.083	7.038	-0.045
10	526	6.975	6.946	-0.029
15	940	7.005	7.151	0.146
15	387	7.023	6.888	-0.135
15	787	6.927	6.829	-0.098
15	1042	7.013	6.870	-0.143
15	483	6.960	6.808	-0.152
30	597	7.034	6.964	-0.070
30	853	6.933	6.845	-0.068
30	416	7.033	6.972	-0.061
30	949	6.993	6.912	-0.081
30	221	6.998	6.923	-0.075
35	538	7.050	6.831	-0.219
35	164	6.976	6.746	-0.230
35	1018	6.930	6.692	-0.238
35	462	6.980	6.786	-0.194
35	1032	6.957	6.672	-0.285
50	566	7.025	6.908	-0.117
50	197	6.907	6.813	-0.094
50	793	6.968	6.850	-0.118
50	802	7.079	6.973	-0.106
50	61	7.078	6.951	-0.127
55	795	6.955	6.681	-0.274
55	921	6.985	6.704	-0.281
55	741	7.022	6.691	-0.331
55	809	7.073	6.760	-0.313
55	804	7.025	6.688	-0.337
100	449	7.083	6.871	-0.212
100	541	7.067	6.892	-0.175
100	476	6.985	6.787	-0.198
100	45	6.986	6.794	-0.192
100	642	7.021	6.797	-0.224
105	1036	7.006	6.647	-0.359
105	1038	6.937	6.424	-0.513
105	203	7.010	6.625	-0.385
105	1029	6.916	6.502	-0.414
105	1027	6.977	6.585	-0.392
105	Max	7.085	7.151	0.146
105	Average	6.999	6.858	-0.142
105	Min	6.880	6.424	-0.513
105	Std Dev	0.052	0.149	0.136



13.20_OUTB_FALL_1MHZ_12V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	6.983	6.884	6.902	6.941	6.808	6.845	6.672	6.813	6.681	6.787	6.424
Average	7.017	6.947	6.968	6.998	6.909	6.923	6.745	6.899	6.705	6.828	6.557
Max	7.056	6.999	7.048	7.045	7.151	6.972	6.831	6.973	6.760	6.892	6.647
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

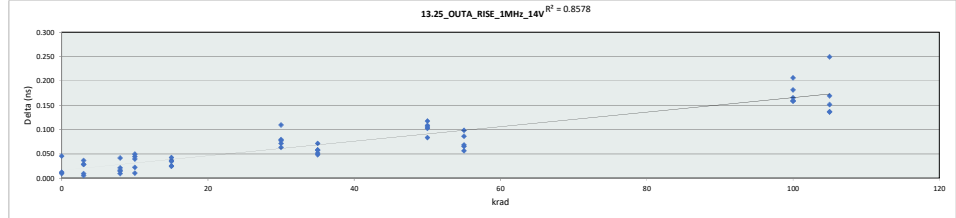


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

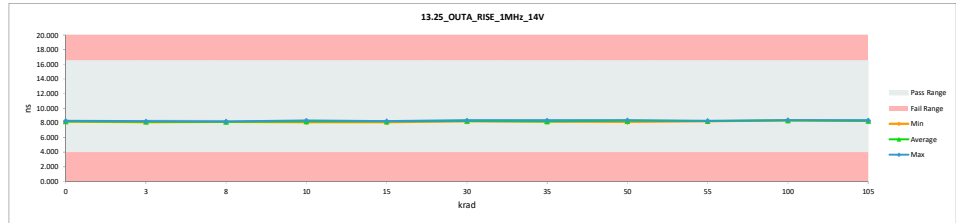
13.25_OUTA_RISE_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	8.279	8.292	0.013
0	726	8.152	8.198	0.046
0	791	8.166	8.176	0.010
3	689	8.203	8.232	0.029
3	688	8.145	8.151	0.006
3	700	8.065	8.075	0.010
3	482	8.163	8.200	0.037
3	1033	8.146	8.170	0.029
8	442	8.147	8.162	0.015
8	699	8.161	8.203	0.042
8	344	8.141	8.158	0.017
8	355	8.109	8.131	0.022
8	790	8.206	8.216	0.010
10	537	8.296	8.336	0.040
10	396	8.214	8.259	0.045
10	521	8.138	8.188	0.050
10	535	8.242	8.253	0.011
10	526	8.076	8.099	0.023
15	940	8.150	8.187	0.037
15	387	8.221	8.247	0.026
15	787	8.047	8.082	0.035
15	1042	8.237	8.262	0.025
15	483	8.105	8.148	0.043
30	597	8.247	8.357	0.110
30	853	8.131	8.195	0.064
30	416	8.170	8.248	0.078
30	949	8.152	8.224	0.072
30	221	8.136	8.216	0.080
35	538	8.302	8.354	0.052
35	164	8.117	8.189	0.072
35	1018	8.146	8.205	0.059
35	462	8.123	8.172	0.049
35	1032	8.124	8.182	0.058
50	566	8.194	8.303	0.109
50	197	8.044	8.128	0.084
50	793	8.107	8.210	0.103
50	802	8.266	8.384	0.118
50	61	8.217	8.323	0.106
55	795	8.147	8.246	0.099
55	921	8.145	8.211	0.066
55	741	8.160	8.217	0.057
55	809	8.138	8.225	0.087
55	804	8.213	8.282	0.069
100	449	8.235	8.394	0.159
100	541	8.197	8.357	0.160
100	476	8.137	8.344	0.207
100	45	8.136	8.318	0.182
100	642	8.172	8.338	0.166
105	1036	8.213	8.350	0.137
105	1038	8.106	8.356	0.250
105	203	8.106	8.258	0.152
105	1029	8.126	8.296	0.170
105	1027	8.150	8.287	0.137
105	Max	8.302	8.394	0.250
105	Average	8.163	8.238	0.074
105	Min	8.044	8.075	0.006
105	Std Dev	0.059	0.080	0.057



13.25_OUTA_RISE_1MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	8.176	8.075	8.131	8.099	8.082	8.195	8.172	8.128	8.211	8.318	8.258
Average	8.222	8.166	8.174	8.227	8.185	8.248	8.220	8.270	8.236	8.350	8.309
Max	8.292	8.232	8.216	8.336	8.262	8.357	8.354	8.384	8.282	8.394	8.356
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

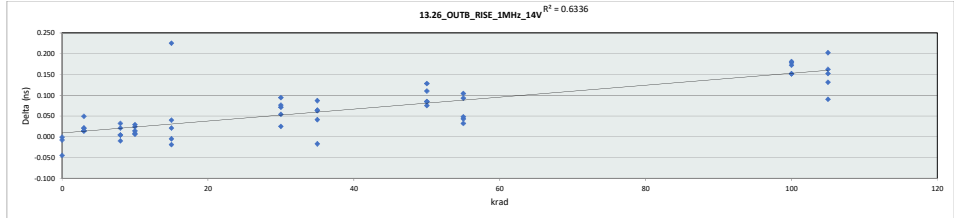


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

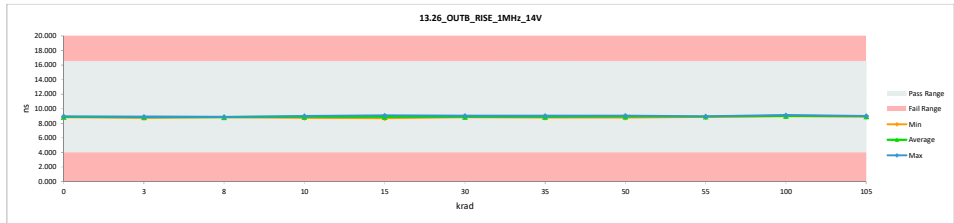
13.26_OUTB_RISE_1MHZ_14V	
Test Site	Tester
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	9.006	8.962	-0.044
0	726	8.859	8.859	0.000
0	791	8.839	8.832	-0.007
3	689	8.858	8.908	0.050
3	688	8.839	8.854	0.015
3	700	8.753	8.768	0.015
3	482	8.858	8.880	0.022
3	1033	8.835	8.835	0.022
8	442	8.850	8.855	0.005
8	699	8.857	8.879	0.022
8	344	8.850	8.841	-0.009
8	355	8.801	8.834	0.033
8	730	8.880	8.885	0.005
10	537	9.040	9.017	0.007
10	396	8.919	8.934	0.015
10	521	8.834	8.864	0.030
10	535	8.939	8.948	0.009
10	526	8.756	8.781	0.025
15	540	8.863	9.089	0.226
15	387	8.873	8.914	0.041
15	787	8.726	8.708	-0.018
15	1042	8.942	8.938	-0.004
15	483	8.793	8.815	0.022
30	597	8.936	9.031	0.095
30	853	8.977	8.852	-0.055
30	416	8.838	8.910	0.072
30	949	8.846	8.872	0.026
30	221	8.803	8.880	0.077
35	538	8.992	9.034	0.042
35	164	8.826	8.890	0.064
35	1018	8.834	8.899	0.065
35	462	8.787	8.875	0.088
35	1032	8.800	8.784	-0.016
50	566	8.863	8.992	0.129
50	197	8.712	8.798	0.086
50	793	8.779	8.855	0.076
50	802	8.950	9.065	0.111
50	61	8.881	8.966	0.085
55	795	8.841	8.946	0.105
55	921	8.828	8.922	0.094
55	741	8.845	8.878	0.033
55	809	8.844	8.888	0.044
55	804	8.920	8.969	0.049
100	449	8.954	9.127	0.173
100	541	8.883	9.036	0.153
100	476	8.809	8.988	0.179
100	45	8.827	8.979	0.152
100	842	8.947	9.029	0.182
105	1036	8.881	9.013	0.132
105	1038	8.797	9.000	0.203
105	203	8.770	8.933	0.163
105	1029	8.763	8.916	0.153
105	1027	8.845	8.936	0.091
105	Max	9.010	9.127	0.226
105	Average	8.849	8.914	0.065
105	Min	8.712	8.708	-0.044
105	Std Dev	0.066	0.086	0.064



13.26_OUTB_RISE_1MHZ_14V	
Test Site	Tester
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	8.832	8.768	8.834	8.781	8.708	8.852	8.784	8.798	8.878	8.979	8.916
Average	8.804	8.849	8.859	8.909	8.893	8.909	8.896	8.935	8.921	9.032	8.960
Max	8.962	8.908	8.885	9.017	9.089	9.031	9.034	9.065	8.969	9.127	9.013
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500



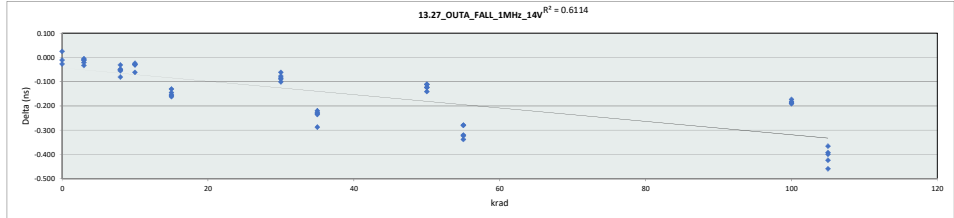


HDR TID Report  
TPS7H5004-SP QMLP

krad (Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

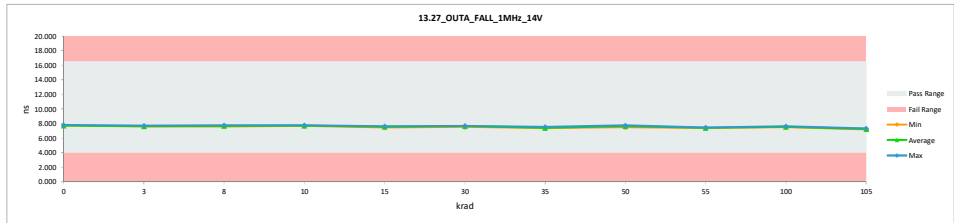
13.27_OUTA_FALL_1MHz_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	7.826	7.800	-0.026
0	726	7.728	7.718	-0.010
0	791	7.692	7.718	0.026
3	689	7.677	7.666	-0.011
3	688	7.744	7.712	-0.032
3	700	7.592	7.583	-0.009
3	482	7.671	7.651	-0.020
3	1033	7.619	7.626	-0.004
8	442	7.823	7.775	-0.048
8	699	7.656	7.626	-0.030
8	344	7.727	7.673	-0.054
8	355	7.771	7.723	-0.048
8	790	7.737	7.657	-0.080
10	537	7.794	7.767	-0.027
10	396	7.815	7.787	-0.028
10	521	7.709	7.686	-0.023
10	535	7.800	7.740	-0.060
10	526	7.693	7.663	-0.030
15	940	7.720	7.559	-0.161
15	387	7.800	7.656	-0.144
15	787	7.635	7.479	-0.156
15	1042	7.738	7.585	-0.153
15	483	7.649	7.520	-0.129
30	597	7.761	7.685	-0.076
30	853	7.633	7.549	-0.084
30	416	7.758	7.698	-0.060
30	949	7.732	7.632	-0.100
30	221	7.715	7.627	-0.088
35	538	7.783	7.549	-0.234
35	164	7.650	7.431	-0.219
35	1018	7.619	7.389	-0.230
35	462	7.721	7.495	-0.226
35	1032	7.656	7.370	-0.286
50	566	7.799	7.676	-0.123
50	197	7.627	7.505	-0.122
50	793	7.714	7.604	-0.110
50	802	7.858	7.748	-0.110
50	61	7.767	7.627	-0.140
55	795	7.695	7.417	-0.278
55	921	7.689	7.410	-0.279
55	741	7.714	7.392	-0.322
55	809	7.787	7.450	-0.337
55	804	7.742	7.423	-0.319
100	449	7.789	7.605	-0.184
100	541	7.826	7.637	-0.189
100	476	7.719	7.530	-0.189
100	45	7.668	7.486	-0.182
100	642	7.692	7.520	-0.172
105	1036	7.719	7.328	-0.391
105	1038	7.641	7.183	-0.458
105	203	7.712	7.347	-0.365
105	1029	7.628	7.205	-0.423
105	1027	7.676	7.278	-0.398
105	Max	7.858	7.800	0.026
105	Average	7.719	7.569	-0.150
105	Min	7.592	7.183	-0.458
105	Std Dev	0.064	0.150	0.125



13.27_OUTA_FALL_1MHz_14V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	7.718	7.583	7.626	7.663	7.479	7.549	7.370	7.505	7.392	7.486	7.183
Average	7.745	7.648	7.691	7.729	7.560	7.638	7.447	7.632	7.418	7.556	7.268
Max	7.800	7.712	7.775	7.787	7.656	7.698	7.549	7.748	7.450	7.637	7.347
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

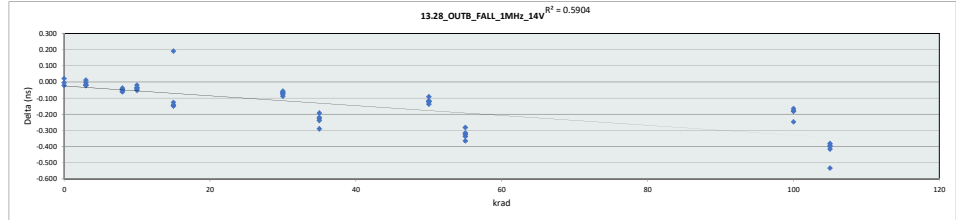


HDR TID Report  
TPS7H5004-SP QMLP

krad(Si)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

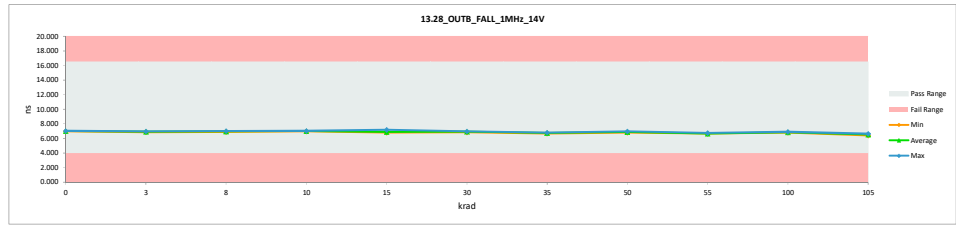
13.28_OUTB_FALL_1MHZ_14V	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	16.5 16.5
Min Limit	4 4

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	7.072	7.052	-0.020
0	726	7.016	7.013	-0.003
0	791	6.968	6.990	0.022
3	689	6.959	6.942	-0.017
3	688	7.007	6.986	-0.021
3	700	6.889	6.874	-0.015
3	482	6.970	6.968	-0.002
3	1033	6.923	6.933	0.013
8	442	7.082	7.035	-0.047
8	699	6.933	6.897	-0.036
8	344	6.995	6.936	-0.059
8	355	7.043	6.999	-0.044
8	730	7.026	6.968	-0.058
10	537	7.093	7.032	-0.061
10	396	7.063	7.029	-0.034
10	521	7.005	6.970	-0.035
10	535	7.082	7.040	-0.042
10	526	6.983	6.965	-0.018
15	940	6.995	7.187	0.192
15	387	7.043	6.918	-0.125
15	787	6.955	6.815	-0.140
15	1042	7.020	6.874	-0.146
15	483	6.961	6.814	-0.147
30	597	7.038	6.976	-0.062
30	853	6.926	6.840	-0.086
30	416	7.023	6.968	-0.055
30	949	6.987	6.915	-0.072
30	221	7.002	6.930	-0.072
35	538	7.030	6.812	-0.218
35	164	6.985	6.759	-0.226
35	1018	6.921	6.684	-0.237
35	462	6.991	6.800	-0.191
35	1032	6.981	6.693	-0.288
50	566	7.019	6.898	-0.121
50	197	6.913	6.823	-0.090
50	793	6.965	6.845	-0.120
50	802	7.090	6.975	-0.115
50	61	7.078	6.942	-0.136
55	795	6.975	6.695	-0.280
55	921	6.998	6.684	-0.314
55	741	7.018	6.655	-0.363
55	809	7.078	6.757	-0.321
55	804	7.009	6.674	-0.335
100	449	7.071	6.908	-0.163
100	541	7.070	6.895	-0.175
100	476	6.983	6.803	-0.180
100	45	6.977	6.798	-0.179
100	642	7.049	6.804	-0.245
105	1036	7.012	6.633	-0.379
105	1038	6.935	6.404	-0.531
105	203	7.038	6.648	-0.390
105	1029	6.925	6.511	-0.414
105	1027	6.978	6.579	-0.399
105	Max	7.090	7.187	0.152
105	Average	7.003	6.859	-0.143
105	Min	6.889	6.404	-0.531
105	Std Dev	0.051	0.153	0.141



13.28_OUTB_FALL_1MHZ_14V	
Test Site	
Tester	
Test Number	
Max Limit	16.5 ns
Min Limit	4 ns

	0	3	8	10	15	30	35	50	55	100	105
LL	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Min	6.990	6.874	6.897	6.965	6.814	6.840	6.684	6.823	6.655	6.798	6.404
Average	7.018	6.941	6.967	7.007	6.922	6.926	6.750	6.897	6.693	6.842	6.555
Max	7.052	6.986	7.035	7.040	7.187	6.976	6.812	6.975	6.757	6.908	6.648
UL	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500	16.500

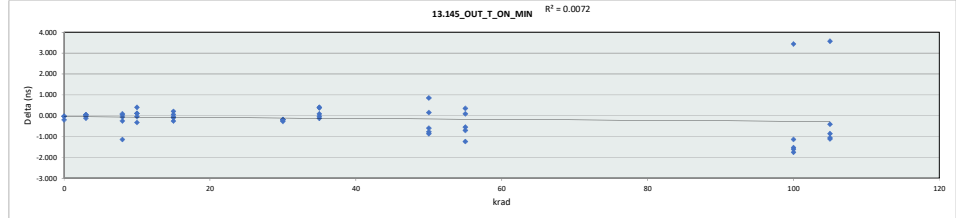


HDR TID Report  
TPS7H5004-SP QMLP

krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

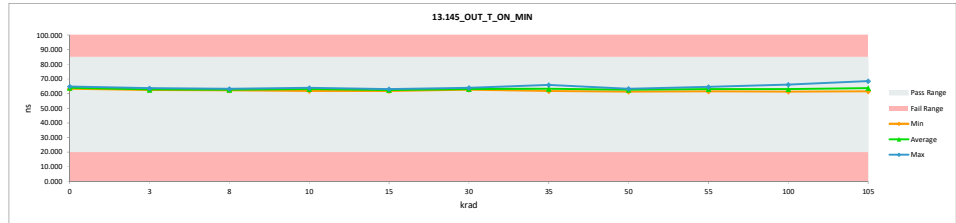
13.145_OUT_T_ON_MIN	
Test Site	
Tester	
Test Number	
Unit	ns ns
Max Limit	85 85
Min Limit	20 20

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	63.485	63.297	-0.188
0	726	63.653	63.639	-0.014
0	791	64.902	64.884	-0.018
3	689	62.389	62.448	0.059
3	688	62.464	62.353	-0.111
3	700	62.729	62.775	0.046
3	482	62.643	62.622	-0.021
3	1033	63.611	63.658	0.047
8	442	63.204	63.307	0.103
8	699	62.208	62.156	-0.052
8	344	63.564	62.430	-1.134
8	355	62.464	62.521	0.057
8	790	63.551	63.309	-0.242
10	437	64.922	63.839	-0.313
10	396	63.000	62.967	-0.033
10	521	63.792	63.916	0.124
10	535	62.401	62.813	0.412
10	526	61.673	61.798	0.125
15	940	62.893	63.115	0.222
15	387	62.210	62.121	-0.089
15	787	61.874	61.831	-0.043
15	1042	62.702	62.766	0.064
15	483	63.162	62.916	-0.246
30	597	64.081	63.817	-0.264
30	853	62.839	62.669	-0.170
30	416	63.103	62.911	-0.192
30	949	64.162	63.987	-0.175
30	221	62.954	62.763	-0.191
35	538	62.999	62.979	-0.020
35	164	66.029	65.920	-0.109
35	1018	61.625	61.722	0.097
35	462	62.180	62.594	0.414
35	1032	62.878	63.267	0.389
50	566	61.143	61.307	0.164
50	197	62.969	62.382	-0.587
50	793	64.119	63.357	-0.762
50	802	63.615	62.764	-0.851
50	61	62.300	63.163	0.863
55	795	64.457	63.924	-0.533
55	921	62.667	63.031	0.364
55	741	64.482	64.581	0.099
55	809	62.716	61.486	-1.230
55	804	62.994	62.298	-0.696
100	449	63.662	62.144	-1.518
100	541	63.473	61.727	-1.746
100	476	65.143	64.019	-1.124
100	45	62.709	66.161	3.452
100	642	62.892	61.293	-1.599
105	1036	64.022	62.919	-1.103
105	1038	63.421	62.565	-0.856
105	203	62.510	61.455	-1.055
105	1029	64.330	63.930	-0.400
105	1027	64.925	68.508	3.583
	Max	66.029	68.508	3.583
	Average	63.210	63.078	-0.132
	Min	61.143	61.293	-1.746
	Std Dev	0.956	1.268	0.914



13.145_OUT_T_ON_MIN	
Test Site	
Tester	
Test Number	
Max Limit	85 ns
Min Limit	20 ns

krad	0	3	8	10	15	30	35	50	55	100	105
LL	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Min	63.297	62.353	62.156	61.798	61.831	62.669	61.722	61.307	61.486	61.293	61.455
Average	63.940	62.771	62.745	63.067	62.550	63.229	63.296	62.595	63.064	63.069	63.875
Max	64.884	63.658	63.309	63.916	63.115	63.987	65.920	63.357	64.581	66.161	68.508
UL	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000	85.000

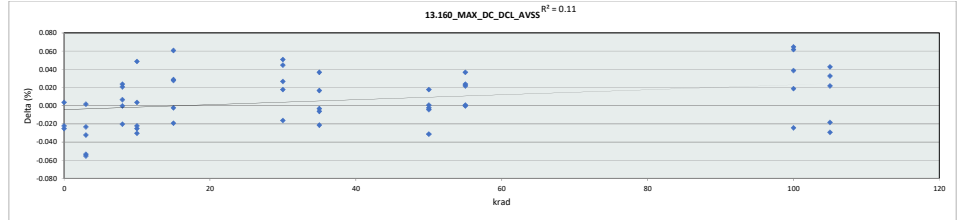


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krad(SI)	Description
0	Control Units
3	3 krad Unbiased
8	3 krad Biased
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased
100	100 krad Unbiased
105	100 krad Biased

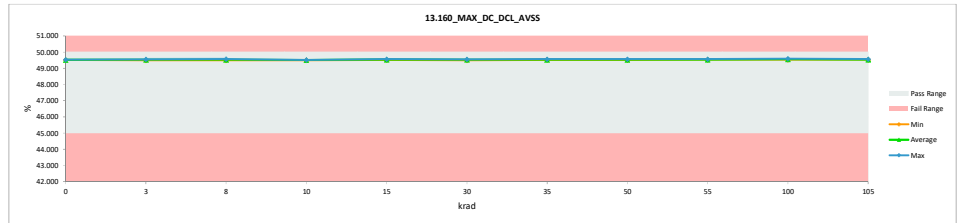
13.160_MAX_DC_DCL_AVSS		
Test Site	Tester	Test Number
Unit	%	%
Max Limit	50	50
Min Limit	45	45

krad	Serial #	PRE_HDR	POST_HDR	Delta
0	552	49.512	49.516	0.004
0	726	49.543	49.518	-0.025
0	791	49.556	49.534	-0.022
3	689	49.577	49.522	-0.055
3	688	49.543	49.511	-0.032
3	700	49.560	49.562	0.002
3	482	49.557	49.504	-0.053
3	1033	49.557	49.534	-0.023
8	442	49.512	49.519	0.007
8	699	49.547	49.571	0.024
8	344	49.543	49.523	-0.020
8	355	49.499	49.499	0.000
8	790	49.532	49.553	0.021
10	537	49.538	49.513	-0.025
10	396	49.507	49.511	0.004
10	521	49.538	49.508	-0.030
10	535	49.472	49.521	0.049
10	526	49.524	49.502	-0.022
15	940	49.520	49.548	0.028
15	387	49.554	49.552	-0.002
15	787	49.506	49.567	0.061
15	1042	49.534	49.515	-0.019
15	483	49.527	49.556	0.029
30	597	49.528	49.546	0.018
30	853	49.510	49.494	-0.016
30	416	49.492	49.537	0.045
30	949	49.510	49.561	0.051
30	221	49.504	49.531	0.027
35	538	49.524	49.521	-0.003
35	164	49.502	49.519	0.017
35	1018	49.528	49.565	0.037
35	462	49.541	49.520	-0.021
35	1032	49.536	49.530	-0.006
50	566	49.518	49.514	-0.004
50	197	49.517	49.518	0.001
50	793	49.537	49.506	-0.031
50	802	49.540	49.538	-0.002
50	61	49.547	49.565	0.018
55	795	49.524	49.548	0.024
55	921	49.569	49.569	0.000
55	741	49.490	49.527	0.037
55	809	49.532	49.533	0.001
55	804	49.528	49.550	0.022
100	449	49.522	49.561	0.039
100	541	49.533	49.552	0.019
100	476	49.501	49.566	0.065
100	45	49.557	49.533	-0.024
100	642	49.530	49.592	0.062
105	1036	49.536	49.569	0.033
105	1038	49.500	49.543	0.043
105	203	49.556	49.527	-0.029
105	1029	49.555	49.537	-0.018
105	1027	49.525	49.547	0.022
105	Max	49.577	49.592	0.065
105	Average	49.529	49.535	0.006
105	Min	49.472	49.494	-0.055
105	Std Dev	0.022	0.023	0.029



13.160_MAX_DC_DCL_AVSS		
Test Site	Tester	Test Number
Unit	%	%
Max Limit	50	50
Min Limit	45	45

krad	0	3	8	10	15	30	35	50	55	100	105
LL	45.000	45.000	45.000	45.000	45.000	45.000	45.000	45.000	45.000	45.000	45.000
Min	49.516	49.504	49.499	49.502	49.515	49.494	49.519	49.506	49.527	49.533	49.527
Average	49.523	49.527	49.533	49.511	49.548	49.534	49.531	49.528	49.545	49.561	49.545
Max	49.534	49.562	49.571	49.521	49.567	49.561	49.565	49.569	49.592	49.569	49.569
UL	50.000	50.000	50.000	50.000	50.000	50.000	50.000	50.000	50.000	50.000	50.000



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