



ABSTRACT

This report covers the radiation characterization results of the SN54SLC8T245-SEP 8-Bit Dual-Supply Bus Transceiver. The study was done to determine Total Ionizing Dose (TID) effects under high dose rate (HDR) up to 20 krad(Si) as a one time characterization. The results show that all samples passed within the specified limits up to 20 krad(Si). However, Radiation Lot Acceptance Testing (RLAT) will be performed using 34 units at a dose level of 20 krad(Si) for future wafer lots. Furthermore, the SN54SLC8T245-SEP is packaged in a space enhanced plastic for low outgassing characteristics and is Single Event Latch-Up (SEL) immune up to 43 MeV-cm²/mg making the device suitable for low Earth orbit space applications. The device is ideal for logic level shifting from low voltage FPGAs, controllers, and subsystems.

Table of Contents

1 Device Information	2
1.1 Product Description.....	2
1.2 Device Details.....	2
2 Total Dose Test Setup	3
2.1 Test Overview.....	3
2.2 Test Description and Facilities.....	3
2.3 Test Setup Details.....	3
2.4 Test Configuration and Condition.....	3
3 TID Characterization Test Results	4
3.1 TID Characterization Summary Results.....	4
3.2 Specification Compliance Matrix.....	4
4 Reference Documents	6
A Appendix: HDR TID Report Data	7

List of Figures

Figure 2-1. SN54SLC8T245-SEP Bias Diagram.....	3
--	---

List of Tables

Table 1-1. Device and Exposure Details.....	2
Table 2-1. HDR = 20 krad(Si) Biased Device Information.....	3
Table 3-1. SN54SLC8T245-SEP Electrical Parameters Table.....	4

Trademarks

All trademarks are the property of their respective owners.

1 Device Information

1.1 Product Description

The SN54SLC8T245-SEP device is an 8-bit noninverting bus transceiver that resolves voltage level mismatch between devices operating at the latest voltage nodes (0.7 V, 0.8 V, and 0.9 V) and devices operating at industry standard voltage nodes (1.8 V, 2.5 V, and 3.3 V). The device operates by using two independent powersupply rails (V_{CCA} and V_{CCB}) that operate as low as 0.65 V. Data pins A1 through A8 are designed to track V_{CCA} , which accepts any supply voltage from 0.65 V to 3.6 V. Data pins B1 through B8 are designed to track V_{CCB} , which accepts any supply voltage from 0.65 V to 3.6 V.

The SN54SLC8T245-SEP device is designed for asynchronous communication between data buses. The device transmits data from the A bus to the B bus or from the B bus to the A bus, depending on the logic level of the direction-control inputs (DIR1 and DIR2). The output-enable (\overline{OE}) input is used to disable the outputs so the buses are effectively isolated. The control pins (DIR and \overline{OE}) are referenced to V_{CCA} .

This device is fully specified for partial-power-down applications using I_{off} . The I_{off} circuitry disables the outputs when the device is powered down. This inhibits current backflow into the device which prevents damage to the device. The V_{CC} isolation feature ensures that if either V_{CC} input supply is below 100 mV, then all level shifter outputs are disabled and placed into a high-impedance state. To ensure the high-impedance state of the level shifter I/Os during power up or power down, \overline{OE} should be tied to V_{CCA} through a pullup resistor; the minimum value of the resistor is determined by the current sinking capability of the driver

1.2 Device Details

Table 1-1 lists the device information used for TID HDR characterization and qualification.

Table 1-1. Device and Exposure Details

TID HDR Details: up to 20 krad(Si)	
TI Device Number	SN54SLC8T245-SEP
Package	24-pin PW (TSSOP)
Technology	LBC7
Die Lot Number	8269031
A/T Lot Number / Date Code	2242232/23CGH1K
Quantity Tested	34 irradiated devices + 3 control
Lot Accept/Reject	All levels tested and passed up to 20 krad(Si)
HDR Radiation Facility	Texas Instruments – Dallas, TX
HDR Dose Level	10 krad(Si), 30 krad(Si)
HDR Dose Rate	239.5 rad(Si)/s [238 to 241 rad(si)/s]
HDR Radiation Source	Gammacell (Hopewell, GR420) Co-60
Irradiation Temperature	25°C

2 Total Dose Test Setup

2.1 Test Overview

The SN54SLC8T245-SEP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Condition A was used. The product was irradiated up to the target radiation level, and then put through full electrical parametric testing on the production automated test equipment (ATE). All devices remained functional passing all parametric test limits.

2.2 Test Description and Facilities

The SN54SLC8T245-SEP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI facility in Dallas, Texas. The un-attenuated dose rate of this cell is 239.5 rads(Si)/s [238 to 241 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 were tested in biased conditions as described in the following section.

2.3.1 Biased

Figure 2-1 shows the bias conditions for each pin during irradiation.

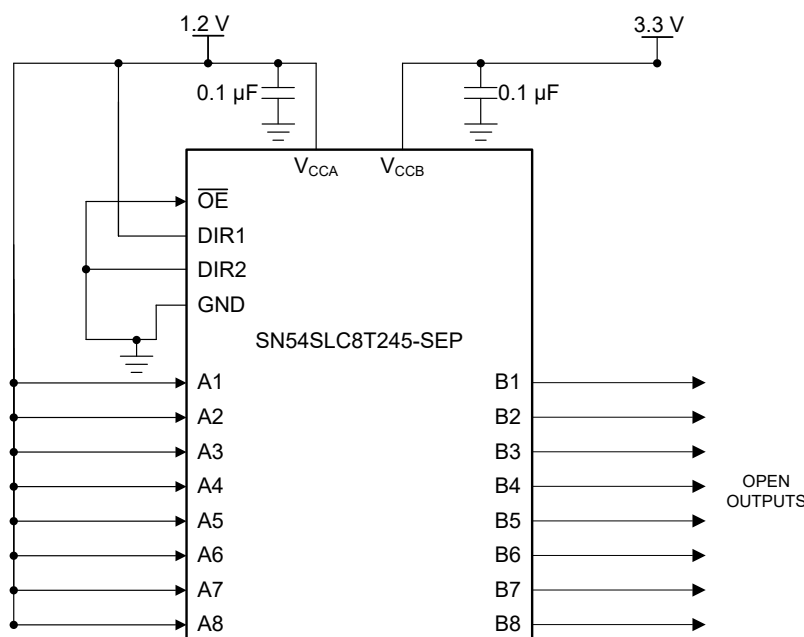


Figure 2-1. SN54SLC8T245-SEP Bias Diagram

2.4 Test Configuration and Condition

HDR devices were stressed at 20 krad(Si) for biased conditions.

Table 2-1. HDR = 20 krad(Si) Biased Device Information

Total Samples: 34	
Exposure Levels	
10 krad(Si)	20 krad(Si)
4, 5, 6	7 – 37

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the SN54SLC8T245-SEP passes up to 20 krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the SN54SLC8T245-SEP showed a strong degree of hardness to HDR TID irradiation up to 20 krad(Si). The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level. 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.

For the data sheet electrical parameters and associated tests, see [SN54SLC8T245-SEP Radiation-Tolerant, Eight-Bit, 0.65-V to 3.3-V, Direction-Controlled Level Translator in Space Enhanced Plastic](#) data sheet.

See [Appendix: HDR TID Report Data](#) for HDR report up to 20 krad(Si).

3.2 Specification Compliance Matrix

Table 3-1. SN54SLC8T245-SEP Electrical Parameters Table

PARAMETER	TEST CONDITIONS	V _{CCA}	V _{CCB}	SN54SLC8T245-SEP DATA SHEET				TEST NAME
				MIN	TYP	MAX	UNIT	
V _{OH} High-level output voltage	V _I = V _{IH}	I _{OH} = -50 μA	0.65 V	0.65 V	0.55		V	VOH_50UA
		I _{OH} = -200 μA	0.76 V	0.76 V	0.58			VOH_200UA
		I _{OH} = -500 μA	0.85 V	0.85 V	0.65			VOH_500UA
		I _{OH} = -3 mA	1.1 V	1.1 V	0.85			VOH_3MA
		I _{OH} = -6 mA	1.4 V	1.4 V	1.05			VOH_6MA
		I _{OH} = -8 mA	1.65 V	1.65 V	1.2			VOH_8MA
		I _{OH} = -9 mA	2.3 V	2.3 V	1.75			VOH_9MA
		I _{OH} = -12 mA	3 V	3 V	2.3			VOH_12MA
V _{OL} Low-level output voltage	V _I = V _{IL}	I _{OL} = 50 μA	0.65 V	0.65 V		0.1	V	VOL_50UA
		I _{OL} = 200 μA	0.76 V	0.76 V		0.18		VOL_200UA
		I _{OL} = 500 μA	0.85 V	0.85 V		0.2		VOL_500UA
		I _{OL} = 3 mA	1.1 V	1.1 V		0.25		VOL_3MA
		I _{OL} = 6 mA	1.4 V	1.4 V		0.35		VOL_6MA
		I _{OL} = 8 mA	1.65 V	1.65 V		0.45		VOL_8MA
		I _{OL} = 9 mA	2.3 V	2.3 V		0.55		VOL_9MA
		I _{OL} = 12 mA	3 V	3 V		0.7		VOL_12MA
I _I Input leakage current	Control Inputs (DIR, \overline{OE}): V _I = V _{CCA} or GND	0.65 V – 3.6 V	0.65 V – 3.6 V	-1	1	μA	II	
I _{off} Partial power down current	A Port: V _I or V _O = 0 V – 3.6 V	0 V	0 V – 3.6 V	-35	55	μA	IOFF	
	B Port: V _I or V _O = 0 V – 3.6 V	0 V – 3.6 V	0 V	-35	55			
I _{oz} High- impedance state output current	A Port: V _O = V _{CCO} or GND, V _I = V _{CCi} or GND, \overline{OE} = V _{IH}	3.6 V	3.6 V	-8	8	μA	IOZ	
	B Port: V _O = V _{CCO} or GND, V _I = V _{CCi} or GND, \overline{OE} = V _{IH}	3.6 V	3.6 V	-8	8			

Table 3-1. SN54SLC8T245-SEP Electrical Parameters Table (continued)

PARAMETER	TEST CONDITIONS	V_{CCA}	V_{CCB}	SN54SLC8T245-SEP DATA SHEET				TEST NAME
				MIN	TYP	MAX	UNIT	
I_{CCA} V_{CCA} supply current	$V_I = V_{CC1}$ or GND, $I_O = 0$ mA	0.65 V – 3.6 V	0.65 V – 3.6 V			40	μ A	ICCA_0.65v_3.6v
		0 V	3.6 V	-12				ICCA_0V_3.6V
		3.6 V	0 V			35		ICCA_3.6V_0V
I_{CCB} V_{CCB} supply current	$V_I = V_{CC1}$ or GND, $I_O = 0$ mA	0.65 V – 3.6 V	0.65 V – 3.6 V			38	μ A	ICCB_0.65v_3.6v
		0 V	3.6 V			35		ICCB_0V_3.6V
		3.6 V	0 V	-12				ICCB_3.6V_0V
$I_{CCA} + I_{CCB}$ Combined supply current	$V_I = V_{CC1}$ or GND, $I_O = 0$ mA	0.65 V – 3.6 V	0.65 V – 3.6 V			70	μ A	ICCA+ICCB

4 Reference Documents

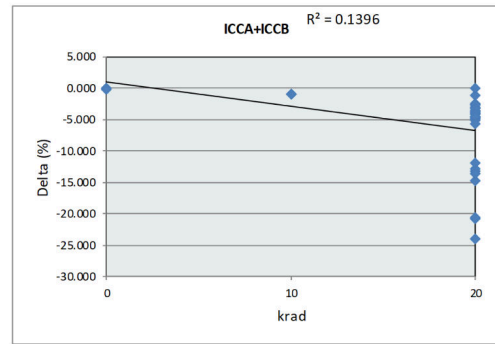
Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in MIL-STD-883 TM 1019. The document can be found at the DLA website.

A Appendix: HDR TID Report Data

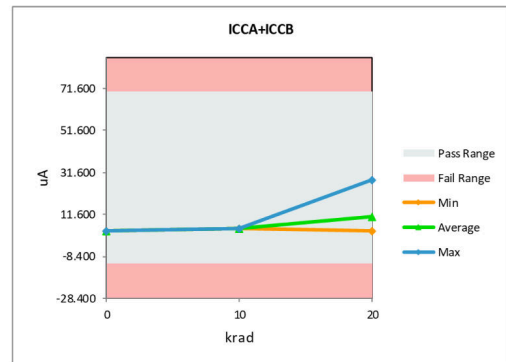
This appendix provides the SN54SLC8T245-SEP TID HDR report. The report shows the variation for each parameter up to 20 krad(Si).

TID Report
SN54SLC8T245-SEP

		ICCA+ICCB				
Test Site						
Tester						
Test Number						
Unit		uA	uA			
Max Limit		70	70			
Min Limit		-12	-12			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.912	3.916	-0.004	-0.10%	0.00%
0	2	3.866	3.908	-0.042	-1.09%	0.05%
0	3	3.882	3.946	-0.064	-1.65%	0.08%
10	4	3.886	4.772	-0.886	-22.80%	1.08%
10	5	3.883	4.764	-0.881	-22.69%	1.07%
10	6	3.926	4.744	-0.818	-20.84%	1.00%
20	7	3.876	24.533	-20.657	-532.95%	25.19%
20	8	3.906	27.903	-23.997	-614.36%	29.26%
20	9	3.934	24.533	-20.599	-523.61%	25.12%
20	10	3.876	17.001	-13.125	-338.62%	16.01%
20	11	3.906	18.647	-14.741	-377.39%	17.98%
20	12	3.934	16.718	-12.784	-324.96%	15.59%
20	13	3.906	17.538	-13.632	-349.00%	16.62%
20	14	3.934	15.800	-11.866	-301.63%	14.47%
20	15	3.522	6.050	-2.528	-71.78%	3.08%
20	16	3.547	6.720	-3.173	-89.46%	3.87%
20	17	3.453	7.286	-3.833	-111.00%	4.67%
20	18	3.497	8.057	-4.560	-130.40%	5.56%
20	19	3.525	6.148	-2.623	-74.41%	3.20%
20	20	3.516	7.132	-3.616	-102.84%	4.41%
20	21	3.544	8.252	-4.708	-132.84%	5.74%
20	22	3.544	5.946	-2.402	-67.78%	2.93%
20	23	3.578	6.550	-2.972	-83.06%	3.62%
20	24	3.503	7.340	-3.837	-109.53%	4.68%
20	25	3.547	8.324	-4.777	-134.68%	5.83%
20	26	3.512	4.622	-1.110	-31.61%	1.35%
20	27	3.556	7.220	-3.664	-103.04%	4.47%
20	28	3.522	8.211	-4.689	-133.13%	5.72%
20	29	3.528	7.984	-4.456	-126.30%	5.43%
20	30	3.547	6.195	-2.648	-74.65%	3.23%
20	31	3.538	7.088	-3.550	-100.34%	4.33%
20	32	3.553	8.585	-5.032	-141.63%	6.14%
20	33	3.519	6.682	-3.163	-89.88%	3.86%
20	34	3.607	7.720	-4.113	-114.03%	5.02%
20	35	3.541	7.934	-4.393	-124.06%	5.36%
20	36	3.560	9.167	-5.607	-157.50%	6.84%
20	37	3.547	3.582	-0.035	-0.99%	0.04%
Max		3.934	27.903	-0.004	-0.10%	29.26%
Average		3.674	9.500	-5.827	-155.04%	7.11%
Min		3.453	3.582	-23.997	-614.36%	0.00%
Std Dev		0.182	6.279	6.187	156.64%	7.54%

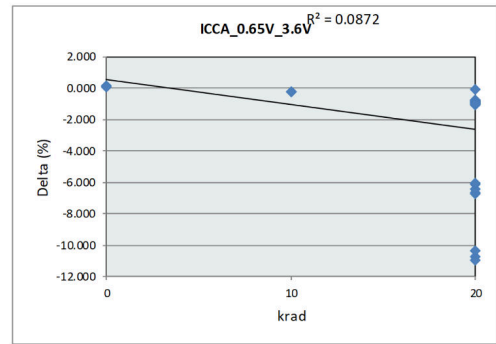


		ICCA+ICCB				
Test Site						
Tester						
Test Number						
Unit		uA	uA			
Max Limit		70	70			
Min Limit		-12	-12			
krad	0	10	20			
LL	-12.000	-12.000	-12.000			
Min	3.908	4.744	3.582			
Average	3.923	4.760	10.499			
Max	3.946	4.772	27.903			
UL	70.000	70.000	70.000			

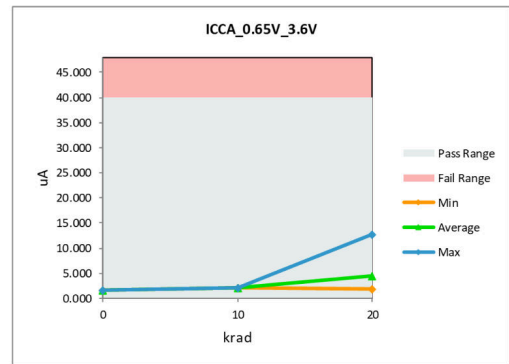


TID Report
SN54SLC8T245-SEP

ICCA_0.65V_3.6V						
Test Site						
Tester						
Test Number						
Unit	uA	uA				
Max Limit	40	40				
Min Limit	0	0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.822	1.662	0.160	8.78%	0.40%
0	2	1.780	1.640	0.140	7.87%	0.35%
0	3	1.783	1.662	0.121	6.79%	0.30%
10	4	1.805	2.037	-0.232	-12.85%	0.58%
10	5	1.808	2.034	-0.226	-12.50%	0.56%
10	6	1.833	2.063	-0.230	-12.55%	0.58%
20	7	1.789	12.510	-10.721	-599.27%	26.80%
20	8	1.819	12.719	-10.900	-599.23%	27.25%
20	9	1.850	12.164	-10.314	-557.51%	25.79%
20	10	1.789	8.513	-6.724	-375.85%	16.81%
20	11	1.819	8.416	-6.597	-362.67%	16.49%
20	12	1.850	8.281	-6.431	-347.62%	16.08%
20	13	1.819	7.923	-6.104	-335.57%	15.26%
20	14	1.850	7.845	-5.995	-324.05%	14.99%
20	15	1.789	2.521	-0.732	-40.92%	1.83%
20	16	1.752	2.587	-0.835	-47.66%	2.09%
20	17	1.748	2.594	-0.846	-48.40%	2.12%
20	18	1.780	2.694	-0.914	-51.35%	2.29%
20	19	1.764	2.550	-0.786	-44.56%	1.97%
20	20	1.767	2.625	-0.858	-48.56%	2.15%
20	21	1.780	2.735	-0.955	-53.65%	2.39%
20	22	1.786	2.578	-0.792	-44.34%	1.98%
20	23	1.789	2.584	-0.795	-44.44%	1.99%
20	24	1.755	2.666	-0.911	-51.91%	2.28%
20	25	1.755	2.694	-0.939	-53.50%	2.35%
20	26	1.767	2.496	-0.729	-41.26%	1.82%
20	27	1.792	2.669	-0.877	-48.94%	2.19%
20	28	1.767	2.672	-0.905	-51.22%	2.26%
20	29	1.780	2.789	-1.009	-56.69%	2.52%
20	30	1.792	2.559	-0.767	-42.80%	1.92%
20	31	1.796	2.647	-0.851	-47.38%	2.13%
20	32	1.767	2.829	-1.062	-60.10%	2.66%
20	33	1.789	2.622	-0.833	-46.56%	2.08%
20	34	1.833	2.741	-0.908	-49.54%	2.27%
20	35	1.780	2.713	-0.933	-52.42%	2.33%
20	36	1.818	2.804	-0.986	-54.24%	2.47%
20	37	1.767	1.799	-0.032	-1.81%	0.08%
Max	1.850	12.719	0.160	8.78%	27.25%	
Average	1.793	4.044	-2.252	-124.28%	5.69%	
Min	1.748	1.640	-10.900	-599.27%	0.08%	
Std Dev	0.028	3.233	3.219	176.62%	8.01%	

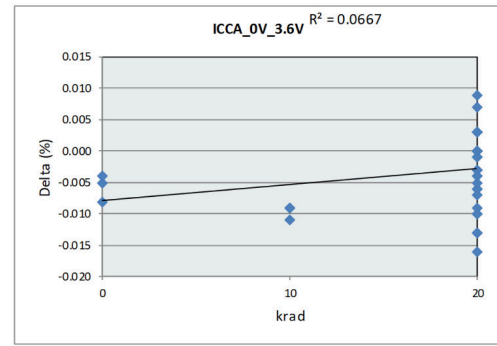


ICCA_0.65V_3.6V			
Test Site			
Tester			
Test Number			
Max Limit	40	uA	
Min Limit	0	uA	
krad	0	10	20
LL	0.000	0.000	0.000
Min	1.640	2.034	1.799
Average	1.655	2.045	4.469
Max	1.662	2.063	12.719
UL	40.000	40.000	40.000

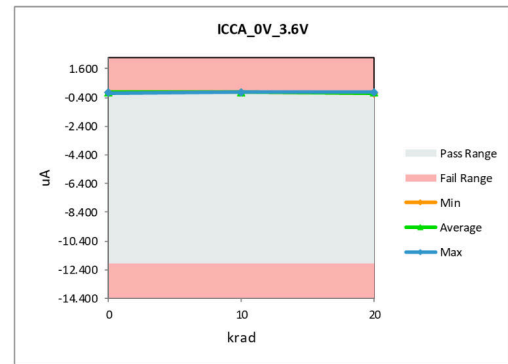


TID Report
SN54SLC8T245-SEP

ICCA_0V_3.6V						
Test Site						
Tester						
Test Number						
Unit	uA	uA				
Max Limit	0	0				
Min Limit	-12	-12				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.011	-0.003	-0.008	72.73%	0.07%
0	2	-0.008	-0.003	-0.005	62.50%	0.04%
0	3	-0.007	-0.003	-0.004	57.14%	0.03%
10	4	-0.012	-0.003	-0.009	75.00%	0.08%
10	5	-0.013	-0.002	-0.011	84.62%	0.09%
10	6	-0.009	0.000	-0.009	100.00%	0.08%
20	7	-0.008	-0.007	-0.001	12.50%	0.01%
20	8	-0.012	-0.003	-0.009	75.00%	0.08%
20	9	-0.009	-0.003	-0.006	66.67%	0.05%
20	10	-0.008	-0.007	-0.001	12.50%	0.01%
20	11	-0.012	0.001	-0.013	108.33%	0.11%
20	12	-0.009	-0.003	-0.006	66.67%	0.05%
20	13	-0.012	-0.021	0.009	-75.00%	0.08%
20	14	-0.009	-0.004	-0.005	55.56%	0.04%
20	15	-0.081	-0.078	-0.003	3.70%	0.03%
20	16	-0.078	-0.078	0.000	0.00%	0.00%
20	17	-0.074	-0.071	-0.003	4.05%	0.03%
20	18	-0.078	-0.071	-0.007	8.97%	0.06%
20	19	-0.071	-0.068	-0.003	4.23%	0.02%
20	20	-0.078	-0.081	0.003	-3.85%	0.03%
20	21	-0.078	-0.074	-0.004	5.13%	0.03%
20	22	-0.074	-0.081	0.007	-9.46%	0.06%
20	23	-0.078	-0.081	0.003	-3.85%	0.03%
20	24	-0.078	-0.081	0.003	-3.85%	0.03%
20	25	-0.078	-0.078	0.000	0.00%	0.00%
20	26	-0.071	-0.074	0.003	-4.23%	0.03%
20	27	-0.078	-0.078	0.000	0.00%	0.00%
20	28	-0.078	-0.068	-0.010	12.82%	0.08%
20	29	-0.081	-0.071	-0.010	12.35%	0.08%
20	30	-0.078	-0.074	-0.004	5.13%	0.03%
20	31	-0.081	-0.084	0.003	-3.70%	0.03%
20	32	-0.078	-0.078	0.000	0.00%	0.00%
20	33	-0.081	-0.081	0.000	0.00%	0.00%
20	34	-0.084	-0.068	-0.016	19.05%	0.13%
20	35	-0.078	-0.081	0.003	-3.85%	0.03%
20	36	-0.081	-0.068	-0.013	16.05%	0.11%
20	37	-0.074	-0.074	0.000	0.00%	0.00%
Max		-0.007	0.001	0.009	108.33%	0.13%
Average		-0.052	-0.049	-0.003	22.51%	0.04%
Min		-0.084	-0.084	-0.016	-75.00%	0.00%
Std Dev		0.033	0.035	0.006	38.39%	0.04%

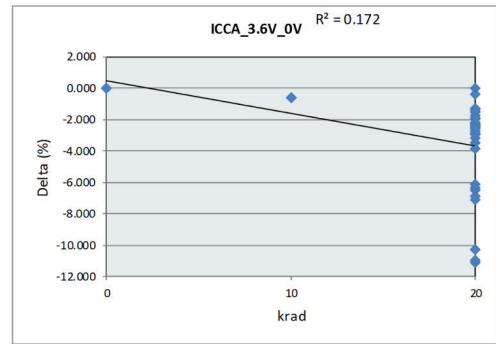


ICCA_0V_3.6V			
Test Site			
Tester			
Test Number			
Max Limit	0	uA	
Min Limit	-12	uA	
krad	0	10	20
LL	-12.000	-12.000	-12.000
Min	-0.003	-0.003	-0.084
Average	-0.003	-0.002	-0.058
Max	-0.003	0.000	0.001
UL	0.000	0.000	0.000

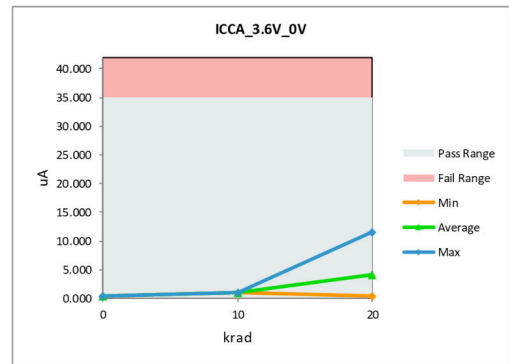


TID Report
SN54SLC8T245-SEP

ICCA_3.6V_0V						
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.370	0.371	-0.001	-0.27%	0.00%
0	2	0.373	0.379	-0.006	-1.61%	0.02%
0	3	0.366	0.370	-0.004	-1.09%	0.01%
10	4	0.376	0.948	-0.572	-152.13%	1.63%
10	5	0.373	0.966	-0.593	-158.98%	1.69%
10	6	0.380	0.937	-0.557	-146.58%	1.59%
20	7	0.367	11.463	-11.096	-3023.43%	31.70%
20	8	0.372	11.269	-10.897	-2929.30%	31.13%
20	9	0.384	10.631	-10.247	-2668.49%	29.28%
20	10	0.367	7.435	-7.068	-1925.89%	20.19%
20	11	0.372	7.191	-6.819	-1833.06%	19.48%
20	12	0.384	6.883	-6.499	-1692.45%	18.57%
20	13	0.372	6.719	-6.347	-1706.18%	18.13%
20	14	0.384	6.465	-6.081	-1583.59%	17.37%
20	15	0.403	1.774	-1.371	-340.20%	3.92%
20	16	0.410	2.122	-1.712	-417.56%	4.89%
20	17	0.394	2.748	-2.354	-597.46%	6.73%
20	18	0.394	3.238	-2.844	-721.83%	8.13%
20	19	0.403	1.931	-1.528	-379.16%	4.37%
20	20	0.397	2.644	-2.247	-565.99%	6.42%
20	21	0.406	3.131	-2.725	-671.18%	7.79%
20	22	0.397	1.692	-1.295	-326.20%	3.70%
20	23	0.397	2.320	-1.923	-484.38%	5.49%
20	24	0.397	2.732	-2.335	-588.16%	6.67%
20	25	0.394	3.332	-2.938	-745.69%	8.39%
20	26	0.406	0.765	-0.359	-88.42%	1.03%
20	27	0.403	2.587	-2.184	-541.94%	6.24%
20	28	0.397	3.232	-2.835	-714.11%	8.10%
20	29	0.394	3.577	-3.183	-807.87%	9.09%
20	30	0.397	1.893	-1.496	-376.83%	4.27%
20	31	0.403	2.814	-2.411	-598.26%	6.89%
20	32	0.403	3.854	-3.451	-856.33%	9.86%
20	33	0.413	2.289	-1.876	-454.24%	5.36%
20	34	0.403	2.974	-2.571	-637.97%	7.35%
20	35	0.403	2.842	-2.439	-605.21%	6.97%
20	36	0.410	4.256	-3.846	-938.05%	10.99%
20	37	0.400	0.406	-0.006	-1.50%	0.02%
Max		0.413	11.463	-0.001	-0.27%	31.70%
Average		0.391	3.545	-3.154	-818.42%	9.01%
Min		0.366	0.370	-11.096	-3023.43%	0.00%
Std Dev		0.014	2.987	2.992	805.61%	8.55%

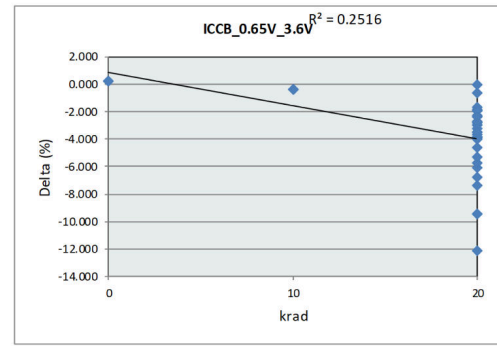


ICCA_3.6V_0V			
krad	0	10	20
LL	0.000	0.000	0.000
Min	0.370	0.937	0.406
Average	0.373	0.950	4.104
Max	0.379	0.966	11.463
UL	35.000	35.000	35.000

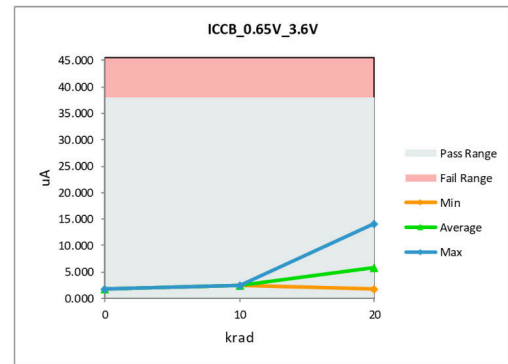


TID Report
SN54SLC8T245-SEP

ICCB_0.65V_3.6V						
Test Site						
Tester						
Test Number						
Unit	uA	uA				
Max Limit	38	38				
Min Limit	0	0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.109	1.859	0.250	11.85%	0.66%
0	2	2.115	1.862	0.253	11.96%	0.67%
0	3	2.118	1.871	0.247	11.66%	0.65%
10	4	2.091	2.449	-0.358	-17.12%	0.94%
10	5	2.088	2.474	-0.386	-18.49%	1.02%
10	6	2.109	2.452	-0.343	-16.26%	0.90%
20	7	2.107	11.529	-9.422	-447.18%	24.79%
20	8	2.098	14.154	-12.056	-574.64%	31.73%
20	9	2.098	11.509	-9.411	-448.57%	24.77%
20	10	2.107	8.114	-6.007	-285.10%	15.81%
20	11	2.098	9.440	-7.342	-349.95%	19.32%
20	12	2.098	7.787	-5.689	-271.16%	14.97%
20	13	2.098	8.867	-6.769	-322.64%	17.81%
20	14	2.098	7.329	-5.231	-249.33%	13.77%
20	15	1.821	3.651	-1.830	-100.49%	4.82%
20	16	1.836	4.214	-2.378	-129.52%	6.26%
20	17	1.789	4.749	-2.960	-165.46%	7.79%
20	18	1.818	5.454	-3.636	-200.00%	9.57%
20	19	1.836	3.699	-1.863	-101.47%	4.90%
20	20	1.818	4.573	-2.755	-151.54%	7.25%
20	21	1.840	5.605	-3.765	-204.62%	9.91%
20	22	1.833	3.469	-1.636	-89.25%	4.31%
20	23	1.849	4.067	-2.218	-119.96%	5.84%
20	24	1.824	4.755	-2.931	-160.69%	7.71%
20	25	1.833	5.699	-3.866	-210.91%	10.17%
20	26	1.827	2.437	-0.610	-33.39%	1.61%
20	27	1.843	4.642	-2.799	-151.87%	7.37%
20	28	1.827	5.611	-3.784	-207.12%	9.96%
20	29	1.836	5.278	-3.442	-187.47%	9.06%
20	30	1.843	3.717	-1.874	-101.68%	4.93%
20	31	1.840	4.494	-2.654	-144.24%	6.98%
20	32	1.836	5.841	-4.005	-218.14%	10.54%
20	33	1.821	4.148	-2.327	-127.79%	6.12%
20	34	1.862	5.079	-3.217	-172.77%	8.47%
20	35	1.830	5.300	-3.470	-189.62%	9.13%
20	36	1.836	6.444	-4.608	-250.98%	12.13%
20	37	1.824	1.858	-0.034	-1.86%	0.09%
Max		2.118	14.154	0.253	11.96%	31.73%
Average		1.934	5.310	-3.376	-172.59%	8.99%
Min		1.789	1.858	-12.056	-574.64%	0.09%
Std Dev		0.134	2.901	2.860	135.63%	7.39%

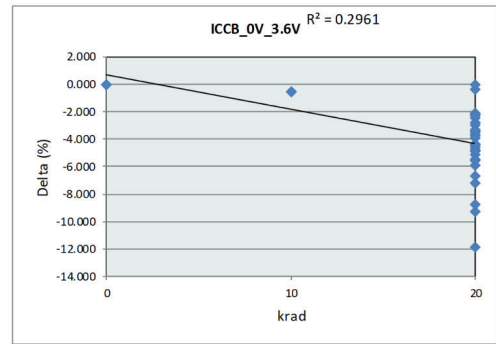


ICCB_0.65V_3.6V			
Test Site			
Tester			
Test Number			
Max Limit	38	uA	
Min Limit	0	uA	
krad	0	10	20
LL	0.000	0.000	0.000
Min	1.859	2.449	1.858
Average	1.864	2.458	5.920
Max	1.871	2.474	14.154
UL	38.000	38.000	38.000

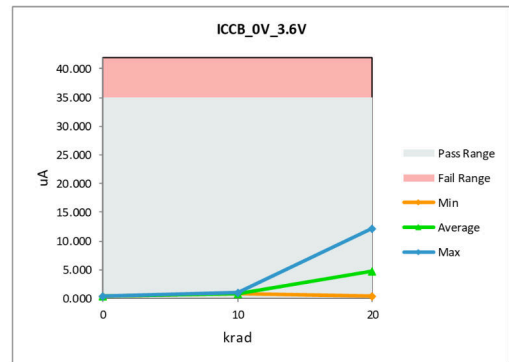


TID Report
SN54SLC8T245-SEP

ICCB_0V_3.6V						
Test Site						
Tester						
Test Number						
Unit	uA	uA				
Max Limit	35	35				
Min Limit	0	0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.368	0.369	-0.001	-0.27%	0.00%
0	2	0.365	0.370	-0.005	-1.37%	0.01%
0	3	0.364	0.369	-0.005	-1.37%	0.01%
10	4	0.376	0.914	-0.538	-143.09%	1.54%
10	5	0.364	0.925	-0.561	-154.12%	1.60%
10	6	0.373	0.904	-0.531	-142.36%	1.52%
20	7	0.372	9.628	-9.256	-2488.17%	26.45%
20	8	0.374	12.244	-11.870	-3173.80%	33.91%
20	9	0.375	9.124	-8.749	-2333.07%	25.00%
20	10	0.372	6.279	-5.907	-1587.90%	16.88%
20	11	0.374	7.585	-7.211	-1928.07%	20.60%
20	12	0.375	5.831	-5.456	-1454.93%	15.59%
20	13	0.374	7.039	-6.665	-1782.09%	19.04%
20	14	0.375	5.450	-5.075	-1353.33%	14.50%
20	15	0.402	2.569	-2.167	-539.05%	6.19%
20	16	0.399	3.327	-2.928	-733.83%	8.37%
20	17	0.399	4.085	-3.686	-923.81%	10.53%
20	18	0.399	4.825	-4.426	-1109.27%	12.65%
20	19	0.405	2.830	-2.425	-598.77%	6.93%
20	20	0.405	3.758	-3.353	-827.90%	9.58%
20	21	0.412	5.211	-4.799	-1164.81%	13.71%
20	22	0.408	2.456	-2.048	-501.96%	5.85%
20	23	0.405	3.170	-2.765	-682.72%	7.90%
20	24	0.396	4.016	-3.620	-914.14%	10.34%
20	25	0.386	5.101	-4.715	-1221.50%	13.47%
20	26	0.405	0.767	-0.362	-89.38%	1.03%
20	27	0.396	3.862	-3.466	-875.25%	9.90%
20	28	0.405	5.001	-4.596	-1134.81%	13.13%
20	29	0.396	4.784	-4.388	-1108.08%	12.54%
20	30	0.386	2.651	-2.265	-586.79%	6.47%
20	31	0.396	3.654	-3.258	-822.73%	9.31%
20	32	0.396	5.215	-4.819	-1216.92%	13.77%
20	33	0.399	3.148	-2.749	-688.97%	7.85%
20	34	0.405	4.287	-3.882	-958.52%	11.09%
20	35	0.405	4.699	-4.294	-1060.25%	12.27%
20	36	0.393	5.932	-5.539	-1409.41%	15.83%
20	37	0.389	0.405	-0.016	-4.11%	0.05%
Max	0.412	12.244	-0.001	-0.27%	33.91%	
Average	0.389	4.129	-3.740	-965.32%	10.69%	
Min	0.364	0.369	-11.870	-3173.80%	0.00%	
Std Dev	0.015	2.738	2.740	732.42%	7.83%	

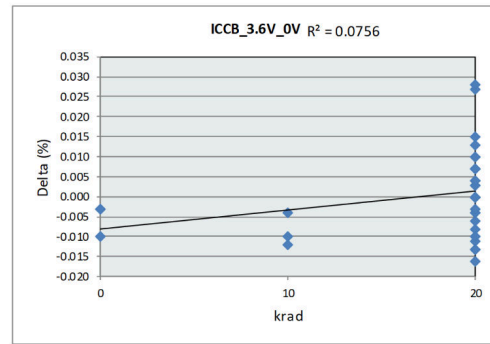


ICCB_0V_3.6V			
Test Site			
Tester			
Test Number			
Max Limit	35	uA	
Min Limit	0	uA	
krad	0	10	20
LL	0.000	0.000	0.000
Min	0.369	0.904	0.405
Average	0.369	0.914	4.804
Max	0.370	0.925	12.244
UL	35.000	35.000	35.000

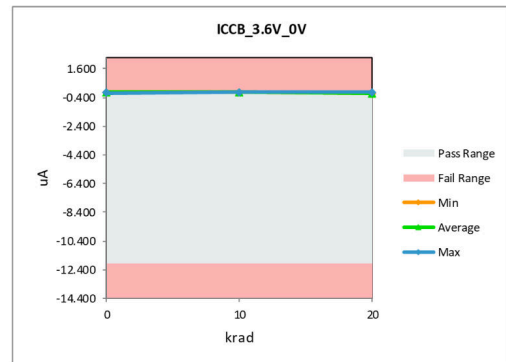


TID Report
SN54SLC8T245-SEP

ICCB_3.6V_0V						
Test Site						
Tester						
Test Number						
Unit	uA	uA				
Max Limit	0	0				
Min Limit	-12	-12				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.008	-0.005	-0.003	37.50%	0.03%
0	2	-0.013	-0.003	-0.010	76.92%	0.08%
0	3	-0.009	-0.006	-0.003	33.33%	0.03%
10	4	-0.011	-0.001	-0.010	90.91%	0.08%
10	5	-0.014	-0.002	-0.012	85.71%	0.10%
10	6	-0.008	-0.004	-0.004	50.00%	0.03%
20	7	-0.010	-0.025	0.015	-150.00%	0.13%
20	8	-0.013	-0.005	-0.008	61.54%	0.07%
20	9	-0.014	-0.003	-0.011	78.57%	0.09%
20	10	-0.010	-0.017	0.007	-70.00%	0.06%
20	11	-0.013	0.000	-0.013	100.00%	0.11%
20	12	-0.014	-0.004	-0.010	71.43%	0.08%
20	13	-0.013	-0.040	0.027	-207.69%	0.23%
20	14	-0.014	-0.042	0.028	-200.00%	0.23%
20	15	-0.082	-0.085	0.003	-3.66%	0.03%
20	16	-0.082	-0.082	0.000	0.00%	0.00%
20	17	-0.092	-0.076	-0.016	17.39%	0.13%
20	18	-0.079	-0.079	0.000	0.00%	0.00%
20	19	-0.089	-0.085	-0.004	4.49%	0.03%
20	20	-0.085	-0.089	0.004	-4.71%	0.03%
20	21	-0.085	-0.095	0.010	-11.76%	0.08%
20	22	-0.082	-0.082	0.000	0.00%	0.00%
20	23	-0.085	-0.085	0.000	0.00%	0.00%
20	24	-0.089	-0.092	0.003	-3.37%	0.03%
20	25	-0.089	-0.085	-0.004	4.49%	0.03%
20	26	-0.089	-0.079	-0.010	11.24%	0.08%
20	27	-0.082	-0.089	0.007	-8.54%	0.06%
20	28	-0.095	-0.082	-0.013	13.68%	0.11%
20	29	-0.082	-0.089	0.007	-8.54%	0.06%
20	30	-0.085	-0.082	-0.003	3.53%	0.03%
20	31	-0.082	-0.082	0.000	0.00%	0.00%
20	32	-0.082	-0.076	-0.006	7.32%	0.05%
20	33	-0.082	-0.089	0.007	-8.54%	0.06%
20	34	-0.085	-0.098	0.013	-15.29%	0.11%
20	35	-0.085	-0.089	0.004	-4.71%	0.03%
20	36	-0.079	-0.089	0.010	-12.66%	0.08%
20	37	-0.085	-0.092	0.007	-8.24%	0.06%
Max		-0.008	0.000	0.028	100.00%	0.23%
Average		-0.057	-0.058	0.000	0.82%	0.07%
Min		-0.095	-0.098	-0.016	-207.69%	0.00%
Std Dev		0.036	0.038	0.010	67.44%	0.05%

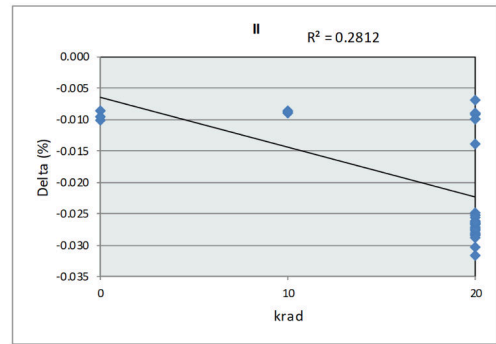


ICCB_3.6V_0V			
Test Site			
Tester			
Test Number			
Max Limit	0	uA	
Min Limit	-12	uA	
krad	0	10	20
LL	-12.000	-12.000	-12.000
Min	-0.006	-0.004	-0.098
Average	-0.005	-0.002	-0.068
Max	-0.003	-0.001	0.000
UL	0.000	0.000	0.000

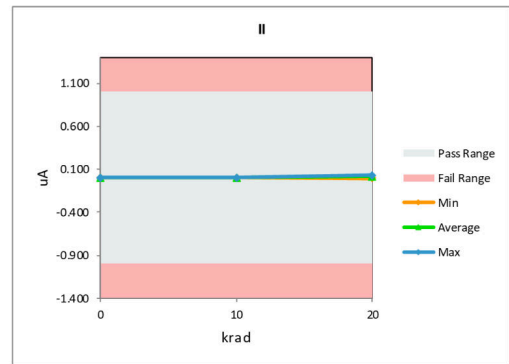


TID Report
SN54SLC8T245-SEP

		II				
Test Site						
Tester						
Test Number						
Unit		uA	uA			
Max Limit		1	1			
Min Limit		-1	-1			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.002	0.008	-0.010	506.78%	0.50%
0	2	-0.003	0.006	-0.009	330.77%	0.43%
0	3	-0.002	0.007	-0.009	383.78%	0.47%
10	4	-0.003	0.006	-0.009	304.55%	0.45%
10	5	-0.003	0.006	-0.009	327.85%	0.43%
10	6	-0.003	0.006	-0.009	325.00%	0.43%
20	7	-0.003	0.006	-0.009	293.55%	0.46%
20	8	-0.003	0.011	-0.014	488.24%	0.69%
20	9	-0.002	0.008	-0.010	528.57%	0.49%
20	10	-0.003	0.006	-0.009	293.55%	0.46%
20	11	-0.003	0.006	-0.009	311.76%	0.44%
20	12	-0.002	0.007	-0.009	475.00%	0.44%
20	13	-0.003	0.007	-0.010	347.06%	0.49%
20	14	-0.002	0.005	-0.007	367.86%	0.34%
20	15	-0.001	0.026	-0.027	3103.30%	1.36%
20	16	-0.003	0.028	-0.030	1185.68%	1.51%
20	17	0.001	0.026	-0.025	-2484.65%	1.24%
20	18	0.001	0.027	-0.026	-5017.42%	1.32%
20	19	-0.001	0.027	-0.028	2739.92%	1.42%
20	20	0.000	0.026	-0.026	-8156.73%	1.30%
20	21	0.001	0.027	-0.027	-4611.06%	1.34%
20	22	-0.001	0.026	-0.027	2620.00%	1.36%
20	23	-0.001	0.027	-0.028	4469.81%	1.38%
20	24	-0.001	0.027	-0.028	2367.73%	1.41%
20	25	-0.002	0.026	-0.028	1215.73%	1.42%
20	26	0.001	0.027	-0.026	-5015.81%	1.32%
20	27	-0.003	0.029	-0.032	1169.26%	1.58%
20	28	0.000	0.026	-0.026	58322.06%	1.32%
20	29	0.000	0.025	-0.025	-9416.64%	1.26%
20	30	0.001	0.027	-0.027	-3366.33%	1.33%
20	31	0.000	0.025	-0.025	#####	1.26%
20	32	-0.002	0.026	-0.028	1253.66%	1.40%
20	33	0.001	0.027	-0.026	-2269.83%	1.31%
20	34	0.000	0.028	-0.027	#####	1.37%
20	35	0.000	0.026	-0.025	-7961.21%	1.27%
20	36	-0.001	0.026	-0.026	4266.37%	1.32%
20	37	-0.002	0.027	-0.029	1677.81%	1.44%
	Max	0.001	0.029	-0.007	58322.06%	1.58%
	Average	-0.001	0.019	-0.020	-8863.57%	1.02%
	Min	-0.003	0.005	-0.032	#####	0.34%
	Std Dev	0.001	0.010	0.009	60079.44%	0.45%

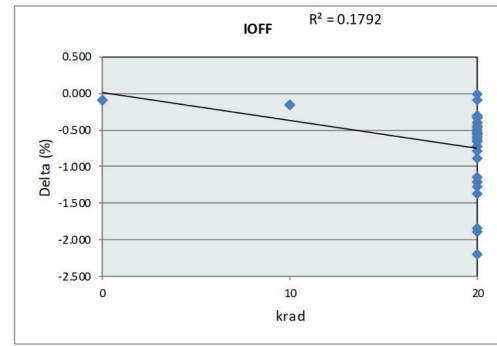


		II		
Test Site				
Tester				
Test Number				
Max Limit		1	uA	
Min Limit		-1	uA	
krad	0	10	20	
LL	-1.000	-1.000	-1.000	
Min	0.006	0.006	0.005	
Average	0.007	0.006	0.022	
Max	0.008	0.006	0.029	
UL	1.000	1.000	1.000	

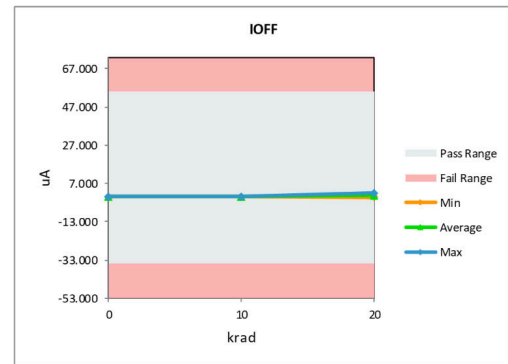


TID Report
SN54SLC8T245-SEP

		IOFF				
Test Site						
Tester						
Test Number						
Unit		uA	uA			
Max Limit		55	55			
Min Limit		-35	-35			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.042	0.131	-0.089	-211.67%	0.10%
0	2	0.042	0.131	-0.089	-209.60%	0.10%
0	3	0.042	0.131	-0.089	-210.21%	0.10%
10	4	0.043	0.196	-0.153	-360.84%	0.17%
10	5	0.042	0.195	-0.153	-367.77%	0.17%
10	6	0.044	0.200	-0.156	-359.33%	0.17%
20	7	0.042	1.919	-1.877	-4419.73%	2.09%
20	8	0.042	2.239	-2.197	-5191.58%	2.44%
20	9	0.044	1.884	-1.840	-4213.47%	2.04%
20	10	0.042	1.251	-1.209	-2846.42%	1.34%
20	11	0.042	1.413	-1.371	-3239.44%	1.52%
20	12	0.044	1.255	-1.211	-2773.36%	1.35%
20	13	0.042	1.311	-1.269	-2998.38%	1.41%
20	14	0.044	1.187	-1.143	-2617.67%	1.27%
20	15	0.099	0.431	-0.332	-336.20%	0.37%
20	16	0.100	0.534	-0.435	-436.43%	0.48%
20	17	0.096	0.632	-0.536	-557.07%	0.60%
20	18	0.097	0.742	-0.645	-668.06%	0.72%
20	19	0.097	0.409	-0.312	-321.12%	0.35%
20	20	0.097	0.583	-0.486	-499.72%	0.54%
20	21	0.100	0.817	-0.717	-720.45%	0.80%
20	22	0.098	0.393	-0.295	-300.11%	0.33%
20	23	0.097	0.497	-0.400	-412.03%	0.44%
20	24	0.099	0.655	-0.557	-564.62%	0.62%
20	25	0.098	0.811	-0.714	-730.60%	0.79%
20	26	0.097	0.184	-0.087	-89.49%	0.10%
20	27	0.096	0.559	-0.464	-484.72%	0.52%
20	28	0.097	0.737	-0.640	-656.63%	0.71%
20	29	0.096	0.682	-0.587	-613.90%	0.65%
20	30	0.097	0.414	-0.317	-325.90%	0.35%
20	31	0.097	0.613	-0.517	-534.32%	0.57%
20	32	0.097	0.872	-0.775	-800.58%	0.86%
20	33	0.097	0.488	-0.391	-400.81%	0.43%
20	34	0.099	0.659	-0.560	-563.74%	0.62%
20	35	0.098	0.703	-0.605	-615.32%	0.67%
20	36	0.099	0.982	-0.883	-895.07%	0.98%
20	37	0.098	0.105	-0.007	-7.00%	0.01%
	Max	0.100	2.239	-0.007	-7.00%	2.44%
	Average	0.077	0.728	-0.651	-1123.06%	0.72%
	Min	0.042	0.105	-2.197	-5191.58%	0.01%
	Std Dev	0.027	0.526	0.535	1364.40%	0.59%

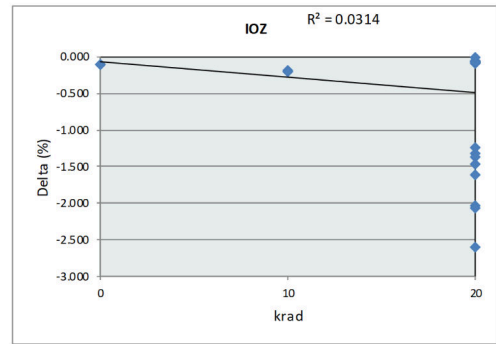


		IOFF		
Test Site				
Tester				
Test Number				
Max Limit		55	uA	
Min Limit		-35	uA	
krad	0	10	20	
LL	-35.000	-35.000	-35.000	
Min	0.131	0.195	0.105	
Average	0.131	0.197	0.838	
Max	0.131	0.200	2.239	
UL	55.000	55.000	55.000	

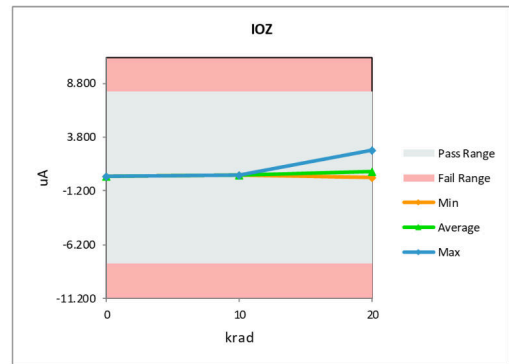


TID Report
SN54SLC8T245-SEP

		IOZ				
Test Site						
Tester						
Test Number						
Unit		uA	uA			
Max Limit		8	8			
Min Limit		-8	-8			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.027	0.133	-0.106	-386.77%	0.66%
0	2	0.027	0.134	-0.107	-398.80%	0.67%
0	3	0.027	0.135	-0.108	-397.89%	0.67%
10	4	0.027	0.210	-0.183	-667.12%	1.14%
10	5	0.027	0.217	-0.190	-702.77%	1.19%
10	6	0.028	0.218	-0.190	-687.06%	1.19%
20	7	0.027	2.055	-2.028	-7435.52%	12.67%
20	8	0.027	2.616	-2.589	-9511.02%	16.18%
20	9	0.028	2.088	-2.061	-7492.73%	12.88%
20	10	0.027	1.347	-1.320	-4839.34%	8.25%
20	11	0.027	1.633	-1.606	-5899.54%	10.04%
20	12	0.028	1.387	-1.360	-4943.64%	8.50%
20	13	0.027	1.480	-1.453	-5337.43%	9.08%
20	14	0.028	1.254	-1.227	-4460.00%	7.67%
20	15	0.067	0.125	-0.058	-87.91%	0.37%
20	16	0.067	0.140	-0.073	-108.80%	0.46%
20	17	0.066	0.133	-0.067	-101.02%	0.42%
20	18	0.067	0.135	-0.068	-101.73%	0.42%
20	19	0.066	0.129	-0.063	-95.80%	0.40%
20	20	0.067	0.136	-0.069	-103.58%	0.43%
20	21	0.068	0.146	-0.077	-113.01%	0.48%
20	22	0.067	0.127	-0.059	-88.65%	0.37%
20	23	0.067	0.133	-0.067	-100.25%	0.42%
20	24	0.066	0.142	-0.076	-115.06%	0.47%
20	25	0.066	0.140	-0.074	-112.09%	0.46%
20	26	0.067	0.128	-0.062	-92.74%	0.39%
20	27	0.065	0.145	-0.080	-123.45%	0.50%
20	28	0.067	0.134	-0.067	-100.80%	0.42%
20	29	0.066	0.142	-0.076	-114.94%	0.47%
20	30	0.067	0.127	-0.060	-89.25%	0.37%
20	31	0.067	0.134	-0.067	-99.85%	0.42%
20	32	0.065	0.145	-0.080	-122.70%	0.50%
20	33	0.068	0.131	-0.064	-93.61%	0.40%
20	34	0.069	0.141	-0.072	-104.85%	0.45%
20	35	0.068	0.137	-0.069	-100.71%	0.43%
20	36	0.067	0.138	-0.070	-104.87%	0.44%
20	37	0.066	0.072	-0.006	-9.33%	0.04%
Max		0.069	2.616	-0.006	-9.33%	16.18%
Average		0.052	0.486	-0.434	-1498.50%	2.71%
Min		0.027	0.072	-2.589	-9511.02%	0.04%
Std Dev		0.019	0.697	0.710	2645.55%	4.43%

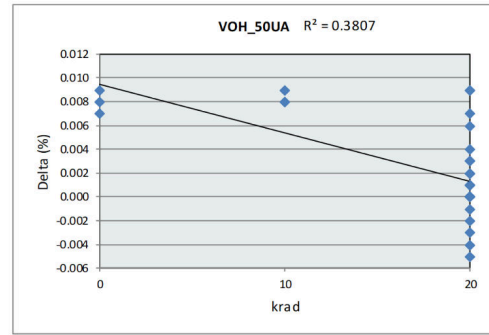


		IOZ		
Test Site				
Tester				
Test Number				
Max Limit		8	uA	
Min Limit		-8	uA	
krad	0	10	20	
LL	-8.000	-8.000	-8.000	
Min	0.133	0.210	0.072	
Average	0.134	0.215	0.546	
Max	0.135	0.218	2.616	
UL	8.000	8.000	8.000	

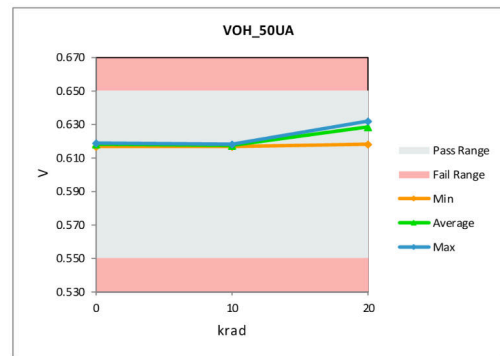


TID Report
SN54SLC8T245-SEP

VOH_50UA						
Test Site						
Tester						
Test Number						
Unit	V	V				
Max Limit	0.65	0.65				
Min Limit	0.55	0.55				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.626	0.619	0.007	1.12%	7.00%
0	2	0.627	0.619	0.008	1.28%	8.00%
0	3	0.626	0.617	0.009	1.44%	9.00%
10	4	0.626	0.618	0.008	1.28%	8.00%
10	5	0.626	0.617	0.009	1.44%	9.00%
10	6	0.626	0.618	0.008	1.28%	8.00%
20	7	0.627	0.618	0.009	1.44%	9.00%
20	8	0.626	0.619	0.007	1.12%	7.00%
20	9	0.627	0.618	0.009	1.44%	9.00%
20	10	0.627	0.621	0.006	0.96%	6.00%
20	11	0.626	0.622	0.004	0.64%	4.00%
20	12	0.627	0.624	0.003	0.48%	3.00%
20	13	0.626	0.631	-0.005	-0.80%	5.00%
20	14	0.627	0.631	-0.004	-0.64%	4.00%
20	15	0.632	0.632	0.000	0.00%	0.00%
20	16	0.633	0.632	0.001	0.16%	1.00%
20	17	0.632	0.632	0.000	0.00%	0.00%
20	18	0.631	0.630	0.001	0.16%	1.00%
20	19	0.630	0.630	0.000	0.00%	0.00%
20	20	0.631	0.631	0.000	0.00%	0.00%
20	21	0.630	0.629	0.001	0.16%	1.00%
20	22	0.630	0.628	0.002	0.32%	2.00%
20	23	0.629	0.632	-0.003	-0.48%	3.00%
20	24	0.632	0.631	0.001	0.16%	1.00%
20	25	0.631	0.631	0.000	0.00%	0.00%
20	26	0.631	0.629	0.002	0.32%	2.00%
20	27	0.629	0.631	-0.002	-0.32%	2.00%
20	28	0.631	0.629	0.002	0.32%	2.00%
20	29	0.629	0.629	0.000	0.00%	0.00%
20	30	0.629	0.629	0.000	0.00%	0.00%
20	31	0.630	0.629	0.001	0.16%	1.00%
20	32	0.629	0.629	0.000	0.00%	0.00%
20	33	0.631	0.631	0.000	0.00%	0.00%
20	34	0.629	0.629	0.000	0.00%	0.00%
20	35	0.632	0.632	0.000	0.00%	0.00%
20	36	0.629	0.630	-0.001	-0.16%	1.00%
20	37	0.632	0.629	0.003	0.47%	3.00%
Max		0.633	0.632	0.009	1.44%	9.00%
Average		0.629	0.627	0.002	0.37%	3.14%
Min		0.626	0.617	-0.005	-0.80%	0.00%
Std Dev		0.002	0.005	0.004	0.63%	3.30%

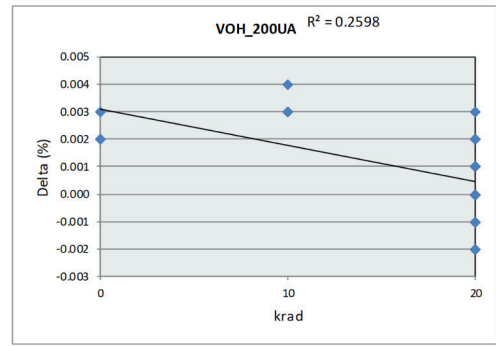


VOH_50UA			
Test Site			
Tester			
Test Number			
Max Limit	0.65	V	
Min Limit	0.55	V	
krad	0	10	20
LL	0.550	0.550	0.550
Min	0.617	0.617	0.618
Average	0.618	0.618	0.628
Max	0.619	0.618	0.632
UL	0.650	0.650	0.650

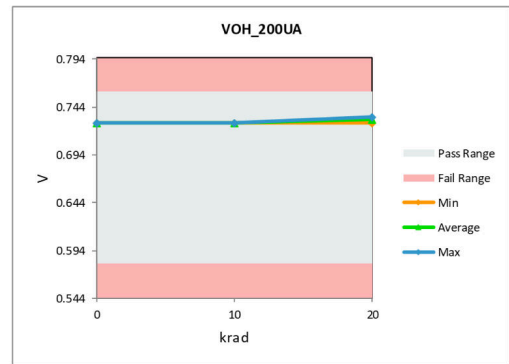


TID Report
SN54SLC8T245-SEP

		VOH_200UA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		0.76	0.76			
Min Limit		0.58	0.58			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.730	0.728	0.002	0.27%	1.11%
0	2	0.730	0.728	0.002	0.27%	1.11%
0	3	0.730	0.727	0.003	0.41%	1.67%
10	4	0.730	0.727	0.003	0.41%	1.67%
10	5	0.730	0.727	0.003	0.41%	1.67%
10	6	0.731	0.727	0.004	0.55%	2.22%
20	7	0.730	0.727	0.003	0.41%	1.67%
20	8	0.730	0.728	0.002	0.27%	1.11%
20	9	0.730	0.728	0.002	0.27%	1.11%
20	10	0.730	0.728	0.002	0.27%	1.11%
20	11	0.730	0.729	0.001	0.14%	0.56%
20	12	0.730	0.729	0.001	0.14%	0.56%
20	13	0.730	0.732	-0.002	-0.27%	1.11%
20	14	0.730	0.732	-0.002	-0.27%	1.11%
20	15	0.734	0.734	0.000	0.00%	0.00%
20	16	0.734	0.734	0.000	0.00%	0.00%
20	17	0.734	0.734	0.000	0.00%	0.00%
20	18	0.732	0.731	0.001	0.14%	0.56%
20	19	0.732	0.731	0.001	0.14%	0.56%
20	20	0.732	0.732	0.000	0.00%	0.00%
20	21	0.732	0.731	0.001	0.14%	0.56%
20	22	0.732	0.730	0.002	0.27%	1.11%
20	23	0.731	0.733	-0.002	-0.27%	1.11%
20	24	0.733	0.732	0.001	0.14%	0.56%
20	25	0.732	0.732	0.000	0.00%	0.00%
20	26	0.732	0.731	0.001	0.14%	0.56%
20	27	0.731	0.732	-0.001	-0.14%	0.56%
20	28	0.733	0.731	0.002	0.27%	1.11%
20	29	0.731	0.731	0.000	0.00%	0.00%
20	30	0.730	0.731	-0.001	-0.14%	0.56%
20	31	0.731	0.731	0.000	0.00%	0.00%
20	32	0.731	0.730	0.001	0.14%	0.56%
20	33	0.732	0.733	-0.001	-0.14%	0.56%
20	34	0.730	0.731	-0.001	-0.14%	0.56%
20	35	0.733	0.733	0.000	0.00%	0.00%
20	36	0.731	0.732	-0.001	-0.14%	0.56%
20	37	0.733	0.731	0.002	0.27%	1.11%
Max		0.734	0.734	0.004	0.55%	2.22%
Average		0.731	0.730	0.001	0.11%	0.77%
Min		0.730	0.727	-0.002	-0.27%	0.00%
Std Dev		0.001	0.002	0.002	0.21%	0.58%

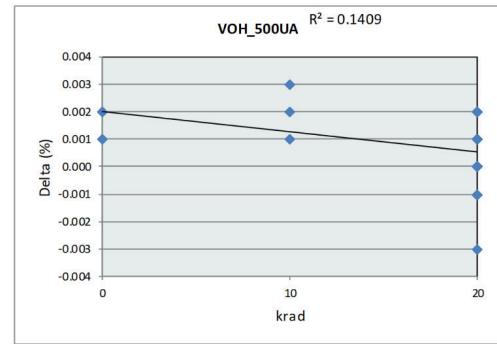


		VOH_200UA		
Test Site				
Tester				
Test Number				
Max Limit		0.76	V	
Min Limit		0.58	V	
krad	0	10	20	
LL	0.580	0.580	0.580	
Min	0.727	0.727	0.727	
Average	0.728	0.727	0.731	
Max	0.728	0.727	0.734	
UL	0.760	0.760	0.760	

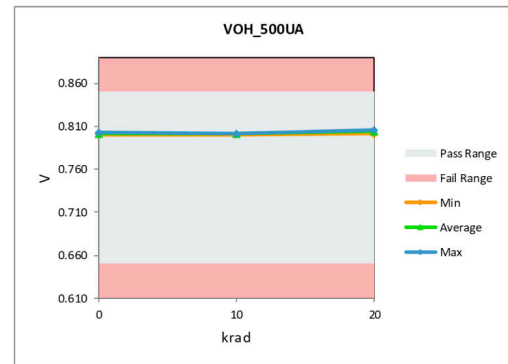


TID Report
SN54SLC8T245-SEP

		VOH_500UA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		0.85	0.85			
Min Limit		0.65	0.65			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.804	0.802	0.002	0.25%	1.00%
0	2	0.804	0.803	0.001	0.12%	0.50%
0	3	0.803	0.801	0.002	0.25%	1.00%
10	4	0.804	0.802	0.002	0.25%	1.00%
10	5	0.803	0.802	0.001	0.12%	0.50%
10	6	0.804	0.801	0.003	0.37%	1.50%
20	7	0.804	0.802	0.002	0.25%	1.00%
20	8	0.804	0.802	0.002	0.25%	1.00%
20	9	0.804	0.802	0.002	0.25%	1.00%
20	10	0.804	0.803	0.001	0.12%	0.50%
20	11	0.804	0.803	0.001	0.12%	0.50%
20	12	0.804	0.803	0.001	0.12%	0.50%
20	13	0.804	0.804	0.000	0.00%	0.00%
20	14	0.804	0.803	0.001	0.12%	0.50%
20	15	0.806	0.806	0.000	0.00%	0.00%
20	16	0.806	0.806	0.000	0.00%	0.00%
20	17	0.806	0.806	0.000	0.00%	0.00%
20	18	0.804	0.804	0.000	0.00%	0.00%
20	19	0.804	0.804	0.000	0.00%	0.00%
20	20	0.805	0.804	0.001	0.12%	0.50%
20	21	0.804	0.803	0.001	0.12%	0.50%
20	22	0.804	0.803	0.001	0.12%	0.50%
20	23	0.803	0.806	-0.003	-0.37%	1.50%
20	24	0.806	0.805	0.001	0.12%	0.50%
20	25	0.805	0.804	0.001	0.12%	0.50%
20	26	0.805	0.803	0.002	0.25%	1.00%
20	27	0.804	0.804	0.000	0.00%	0.00%
20	28	0.805	0.803	0.002	0.25%	1.00%
20	29	0.803	0.803	0.000	0.00%	0.00%
20	30	0.803	0.803	0.000	0.00%	0.00%
20	31	0.803	0.804	-0.001	-0.12%	0.50%
20	32	0.804	0.803	0.001	0.12%	0.50%
20	33	0.805	0.805	0.000	0.00%	0.00%
20	34	0.803	0.803	0.000	0.00%	0.00%
20	35	0.805	0.806	-0.001	-0.12%	0.50%
20	36	0.803	0.804	-0.001	-0.12%	0.50%
20	37	0.806	0.804	0.002	0.25%	1.00%
Max		0.806	0.806	0.003	0.37%	1.50%
Average		0.804	0.803	0.001	0.09%	0.53%
Min		0.803	0.801	-0.003	-0.37%	0.00%
Std Dev		0.001	0.001	0.001	0.15%	0.44%

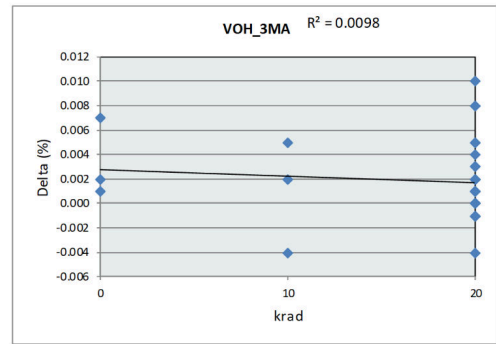


		VOH_500UA		
Test Site				
Tester				
Test Number				
Max Limit		0.85	V	
Min Limit		0.65	V	
krad	0	10	20	
LL	0.650	0.650	0.650	
Min	0.801	0.801	0.802	
Average	0.802	0.802	0.804	
Max	0.803	0.802	0.806	
UL	0.850	0.850	0.850	

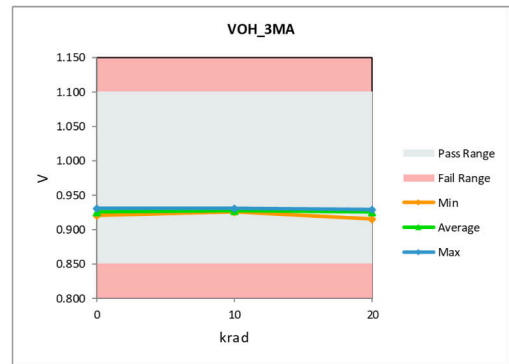


TID Report
SN54SLC8T245-SEP

		VOH_3MA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		1.1	1.1			
Min Limit		0.85	0.85			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.931	0.929	0.002	0.21%	0.80%
0	2	0.931	0.930	0.001	0.11%	0.40%
0	3	0.927	0.920	0.007	0.76%	2.80%
10	4	0.926	0.930	-0.004	-0.43%	1.60%
10	5	0.930	0.925	0.005	0.54%	2.00%
10	6	0.931	0.929	0.002	0.21%	0.80%
20	7	0.930	0.929	0.001	0.11%	0.40%
20	8	0.931	0.928	0.003	0.32%	1.20%
20	9	0.931	0.928	0.003	0.32%	1.20%
20	10	0.930	0.929	0.001	0.11%	0.40%
20	11	0.931	0.929	0.002	0.21%	0.80%
20	12	0.931	0.923	0.008	0.86%	3.20%
20	13	0.931	0.927	0.004	0.43%	1.60%
20	14	0.931	0.923	0.008	0.86%	3.20%
20	15	0.929	0.928	0.001	0.11%	0.40%
20	16	0.929	0.929	0.000	0.00%	0.00%
20	17	0.927	0.927	0.000	0.00%	0.00%
20	18	0.925	0.925	0.000	0.00%	0.00%
20	19	0.924	0.924	0.000	0.00%	0.00%
20	20	0.926	0.925	0.001	0.11%	0.40%
20	21	0.925	0.924	0.001	0.11%	0.40%
20	22	0.924	0.922	0.002	0.22%	0.80%
20	23	0.923	0.927	-0.004	-0.43%	1.60%
20	24	0.928	0.926	0.002	0.22%	0.80%
20	25	0.926	0.925	0.001	0.11%	0.40%
20	26	0.926	0.924	0.002	0.22%	0.80%
20	27	0.925	0.915	0.010	1.08%	4.00%
20	28	0.926	0.921	0.005	0.54%	2.00%
20	29	0.924	0.923	0.001	0.11%	0.40%
20	30	0.923	0.924	-0.001	-0.11%	0.40%
20	31	0.924	0.924	0.000	0.00%	0.00%
20	32	0.924	0.922	0.002	0.22%	0.80%
20	33	0.926	0.926	0.000	0.00%	0.00%
20	34	0.922	0.923	-0.001	-0.11%	0.40%
20	35	0.926	0.927	-0.001	-0.11%	0.40%
20	36	0.924	0.925	-0.001	-0.11%	0.40%
20	37	0.928	0.923	0.005	0.54%	2.00%
Max		0.931	0.930	0.010	1.08%	4.00%
Average		0.927	0.925	0.002	0.20%	0.99%
Min		0.922	0.915	-0.004	-0.43%	0.00%
Std Dev		0.003	0.003	0.003	0.33%	1.01%

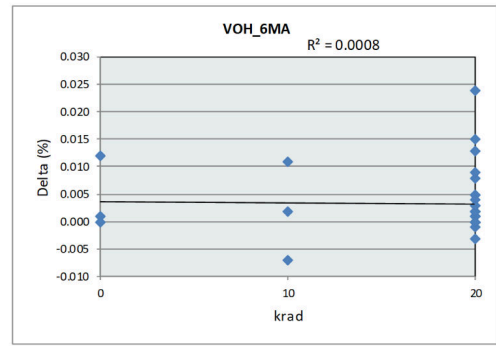


		VOH_3MA		
Test Site				
Tester				
Test Number				
Max Limit		1.1	V	
Min Limit		0.85	V	
krad	0	10	20	
LL	0.850	0.850	0.850	
Min	0.920	0.925	0.915	
Average	0.926	0.928	0.925	
Max	0.930	0.930	0.929	
UL	1.100	1.100	1.100	

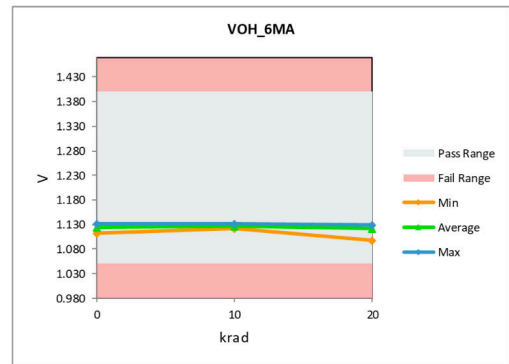


TID Report
SN54SLC8T245-SEP

		VOH_6MA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		1.4	1.4			
Min Limit		1.05	1.05			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.132	1.131	0.001	0.09%	0.29%
0	2	1.132	1.132	0.000	0.00%	0.00%
0	3	1.124	1.112	0.012	1.07%	3.43%
10	4	1.125	1.132	-0.007	-0.62%	2.00%
10	5	1.132	1.121	0.011	0.97%	3.14%
10	6	1.132	1.130	0.002	0.18%	0.57%
20	7	1.131	1.130	0.001	0.09%	0.29%
20	8	1.132	1.127	0.005	0.44%	1.43%
20	9	1.132	1.127	0.005	0.44%	1.43%
20	10	1.131	1.128	0.003	0.27%	0.86%
20	11	1.132	1.128	0.004	0.35%	1.14%
20	12	1.132	1.117	0.015	1.33%	4.29%
20	13	1.132	1.124	0.008	0.71%	2.29%
20	14	1.132	1.119	0.013	1.15%	3.71%
20	15	1.125	1.125	0.000	0.00%	0.00%
20	16	1.126	1.126	0.000	0.00%	0.00%
20	17	1.124	1.124	0.000	0.00%	0.00%
20	18	1.122	1.121	0.001	0.09%	0.29%
20	19	1.122	1.122	0.000	0.00%	0.00%
20	20	1.123	1.123	0.000	0.00%	0.00%
20	21	1.122	1.121	0.001	0.09%	0.29%
20	22	1.122	1.120	0.002	0.18%	0.57%
20	23	1.120	1.123	-0.003	-0.27%	0.86%
20	24	1.124	1.122	0.002	0.18%	0.57%
20	25	1.122	1.122	0.000	0.00%	0.00%
20	26	1.123	1.121	0.002	0.18%	0.57%
20	27	1.122	1.098	0.024	2.14%	6.86%
20	28	1.123	1.114	0.009	0.80%	2.57%
20	29	1.122	1.121	0.001	0.09%	0.29%
20	30	1.121	1.121	0.000	0.00%	0.00%
20	31	1.122	1.121	0.001	0.09%	0.29%
20	32	1.122	1.120	0.002	0.18%	0.57%
20	33	1.122	1.123	-0.001	-0.09%	0.29%
20	34	1.120	1.120	0.000	0.00%	0.00%
20	35	1.123	1.123	0.000	0.00%	0.00%
20	36	1.121	1.121	0.000	0.00%	0.00%
20	37	1.124	1.121	0.003	0.27%	0.86%
Max		1.132	1.132	0.024	2.14%	6.86%
Average		1.126	1.122	0.003	0.28%	1.07%
Min		1.120	1.098	-0.007	-0.62%	0.00%
Std Dev		0.005	0.006	0.006	0.51%	1.53%

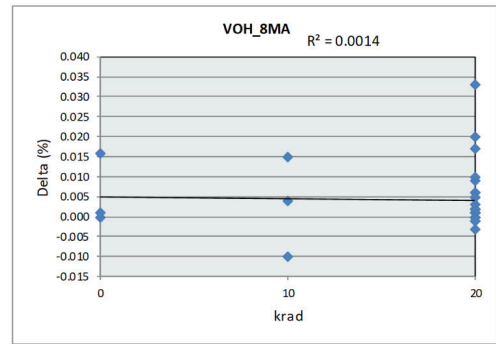


		VOH_6MA		
Test Site				
Tester				
Test Number				
Max Limit		1.4	V	
Min Limit		1.05	V	
krad	0	10	20	
LL	1.050	1.050	1.050	
Min	1.112	1.121	1.098	
Average	1.125	1.128	1.122	
Max	1.132	1.132	1.130	
UL	1.400	1.400	1.400	

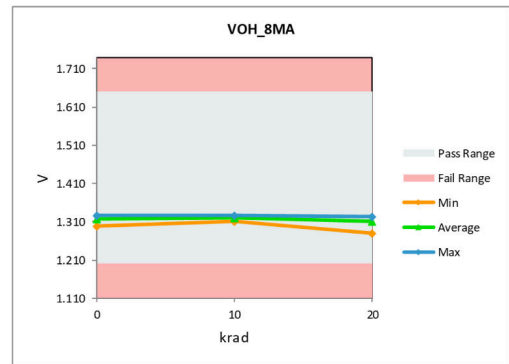


TID Report
SN54SLC8T245-SEP

		VOH_8MA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		1.65	1.65			
Min Limit		1.2	1.2			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.326	1.326	0.000	0.00%	0.00%
0	2	1.327	1.326	0.001	0.08%	0.22%
0	3	1.316	1.300	0.016	1.22%	3.56%
10	4	1.317	1.327	-0.010	-0.76%	2.22%
10	5	1.326	1.311	0.015	1.13%	3.33%
10	6	1.327	1.323	0.004	0.30%	0.89%
20	7	1.326	1.324	0.002	0.15%	0.44%
20	8	1.326	1.320	0.006	0.45%	1.33%
20	9	1.326	1.320	0.006	0.45%	1.33%
20	10	1.326	1.321	0.005	0.38%	1.11%
20	11	1.326	1.321	0.005	0.38%	1.11%
20	12	1.326	1.306	0.020	1.51%	4.44%
20	13	1.326	1.317	0.009	0.68%	2.00%
20	14	1.326	1.309	0.017	1.28%	3.78%
20	15	1.315	1.315	0.000	0.00%	0.00%
20	16	1.316	1.315	0.001	0.08%	0.22%
20	17	1.313	1.313	0.000	0.00%	0.00%
20	18	1.312	1.311	0.001	0.08%	0.22%
20	19	1.312	1.312	0.000	0.00%	0.00%
20	20	1.313	1.312	0.001	0.08%	0.22%
20	21	1.313	1.312	0.001	0.08%	0.22%
20	22	1.312	1.310	0.002	0.15%	0.44%
20	23	1.311	1.314	-0.003	-0.23%	0.67%
20	24	1.314	1.312	0.002	0.15%	0.44%
20	25	1.313	1.312	0.001	0.08%	0.22%
20	26	1.313	1.312	0.001	0.08%	0.22%
20	27	1.313	1.280	0.033	2.51%	7.33%
20	28	1.313	1.303	0.010	0.76%	2.22%
20	29	1.312	1.311	0.001	0.08%	0.22%
20	30	1.312	1.312	0.000	0.00%	0.00%
20	31	1.313	1.312	0.001	0.08%	0.22%
20	32	1.313	1.310	0.003	0.23%	0.67%
20	33	1.312	1.313	-0.001	-0.08%	0.22%
20	34	1.311	1.310	0.001	0.08%	0.22%
20	35	1.313	1.313	0.000	0.00%	0.00%
20	36	1.311	1.312	-0.001	-0.08%	0.22%
20	37	1.314	1.312	0.002	0.15%	0.44%
Max		1.327	1.327	0.033	2.51%	7.33%
Average		1.317	1.313	0.004	0.31%	1.09%
Min		1.311	1.280	-0.010	-0.76%	0.00%
Std Dev		0.006	0.008	0.008	0.58%	1.58%

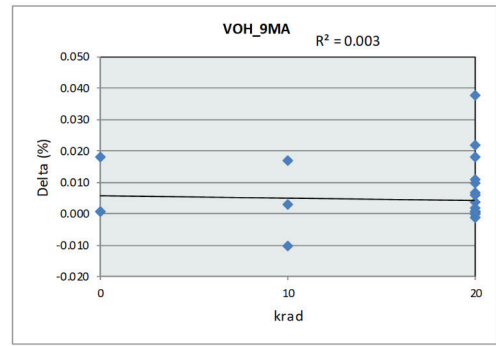


		VOH_8MA		
Test Site				
Tester				
Test Number				
Max Limit		1.65	V	
Min Limit		1.2	V	
krad	0	10	20	
LL	1.200	1.200	1.200	
Min	1.300	1.311	1.280	
Average	1.317	1.320	1.312	
Max	1.326	1.327	1.324	
UL	1.650	1.650	1.650	

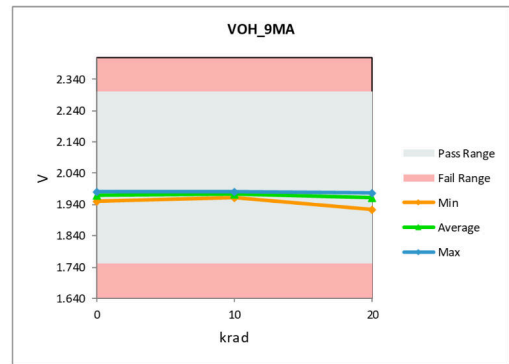


TID Report
SN54SLC8T245-SEP

		VOH_9MA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		2.3	2.3			
Min Limit		1.75	1.75			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.979	1.978	0.001	0.05%	0.18%
0	2	1.980	1.979	0.001	0.05%	0.18%
0	3	1.968	1.950	0.018	0.91%	3.27%
10	4	1.969	1.979	-0.010	-0.51%	1.82%
10	5	1.979	1.962	0.017	0.86%	3.09%
10	6	1.979	1.976	0.003	0.15%	0.55%
20	7	1.978	1.977	0.001	0.05%	0.18%
20	8	1.979	1.973	0.006	0.30%	1.09%
20	9	1.979	1.972	0.007	0.35%	1.27%
20	10	1.978	1.974	0.004	0.20%	0.73%
20	11	1.979	1.973	0.006	0.30%	1.09%
20	12	1.979	1.957	0.022	1.11%	4.00%
20	13	1.979	1.969	0.010	0.51%	1.82%
20	14	1.979	1.961	0.018	0.91%	3.27%
20	15	1.965	1.965	0.000	0.00%	0.00%
20	16	1.966	1.965	0.001	0.05%	0.18%
20	17	1.963	1.963	0.000	0.00%	0.00%
20	18	1.963	1.962	0.001	0.05%	0.18%
20	19	1.963	1.962	0.001	0.05%	0.18%
20	20	1.963	1.963	0.000	0.00%	0.00%
20	21	1.963	1.963	0.000	0.00%	0.00%
20	22	1.963	1.962	0.001	0.05%	0.18%
20	23	1.962	1.963	-0.001	-0.05%	0.18%
20	24	1.964	1.963	0.001	0.05%	0.18%
20	25	1.963	1.963	0.000	0.00%	0.00%
20	26	1.963	1.962	0.001	0.05%	0.18%
20	27	1.963	1.925	0.038	1.94%	6.91%
20	28	1.963	1.952	0.011	0.56%	2.00%
20	29	1.963	1.962	0.001	0.05%	0.18%
20	30	1.963	1.963	0.000	0.00%	0.00%
20	31	1.963	1.962	0.001	0.05%	0.18%
20	32	1.964	1.962	0.002	0.10%	0.36%
20	33	1.962	1.963	-0.001	-0.05%	0.18%
20	34	1.962	1.961	0.001	0.05%	0.18%
20	35	1.964	1.963	0.001	0.05%	0.18%
20	36	1.962	1.962	0.000	0.00%	0.00%
20	37	1.963	1.962	0.001	0.05%	0.18%
Max		1.980	1.979	0.038	1.94%	6.91%
Average		1.969	1.964	0.004	0.22%	0.92%
Min		1.962	1.925	-0.010	-0.51%	0.00%
Std Dev		0.007	0.010	0.009	0.43%	1.48%

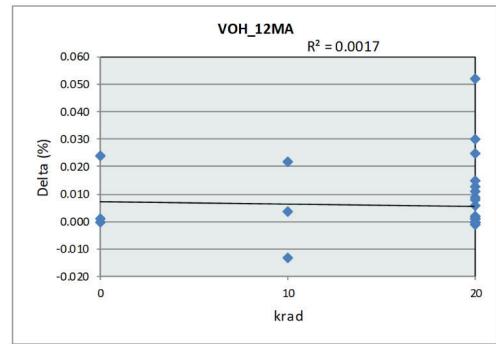


		VOH_9MA		
Test Site				
Tester				
Test Number				
Max Limit		2.3	V	
Min Limit		1.75	V	
krad	0	10	20	
LL	1.750	1.750	1.750	
Min	1.950	1.962	1.925	
Average	1.969	1.972	1.963	
Max	1.979	1.979	1.977	
UL	2.300	2.300	2.300	

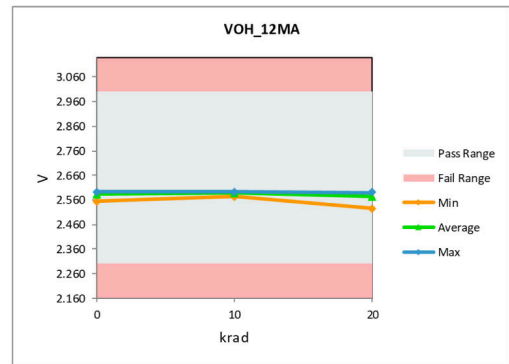


TID Report
SN54SLC8T245-SEP

		VOH_12MA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		3	3			
Min Limit		2.3	2.3			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.596	2.596	0.000	0.00%	0.00%
0	2	2.597	2.596	0.001	0.04%	0.14%
0	3	2.581	2.557	0.024	0.93%	3.43%
10	4	2.583	2.596	-0.013	-0.50%	1.86%
10	5	2.596	2.574	0.022	0.85%	3.14%
10	6	2.597	2.593	0.004	0.15%	0.57%
20	7	2.595	2.593	0.002	0.08%	0.29%
20	8	2.596	2.587	0.009	0.35%	1.29%
20	9	2.597	2.586	0.011	0.42%	1.57%
20	10	2.595	2.589	0.006	0.23%	0.86%
20	11	2.596	2.588	0.008	0.31%	1.14%
20	12	2.597	2.567	0.030	1.16%	4.29%
20	13	2.596	2.583	0.013	0.50%	1.86%
20	14	2.597	2.572	0.025	0.96%	3.57%
20	15	2.577	2.577	0.000	0.00%	0.00%
20	16	2.578	2.577	0.001	0.04%	0.14%
20	17	2.576	2.576	0.000	0.00%	0.00%
20	18	2.575	2.574	0.001	0.04%	0.14%
20	19	2.575	2.575	0.000	0.00%	0.00%
20	20	2.575	2.575	0.000	0.00%	0.00%
20	21	2.576	2.576	0.000	0.00%	0.00%
20	22	2.576	2.574	0.002	0.08%	0.29%
20	23	2.574	2.575	-0.001	-0.04%	0.14%
20	24	2.576	2.575	0.001	0.04%	0.14%
20	25	2.575	2.575	0.000	0.00%	0.00%
20	26	2.575	2.575	0.000	0.00%	0.00%
20	27	2.576	2.524	0.052	2.02%	7.43%
20	28	2.575	2.560	0.015	0.58%	2.14%
20	29	2.575	2.575	0.000	0.00%	0.00%
20	30	2.576	2.575	0.001	0.04%	0.14%
20	31	2.576	2.575	0.001	0.04%	0.14%
20	32	2.576	2.575	0.001	0.04%	0.14%
20	33	2.575	2.575	0.000	0.00%	0.00%
20	34	2.575	2.574	0.001	0.04%	0.14%
20	35	2.575	2.575	0.000	0.00%	0.00%
20	36	2.575	2.575	0.000	0.00%	0.00%
20	37	2.575	2.575	0.000	0.00%	0.00%
Max		2.597	2.596	0.052	2.02%	7.43%
Average		2.583	2.577	0.006	0.23%	0.95%
Min		2.574	2.524	-0.013	-0.50%	0.00%
Std Dev		0.010	0.013	0.012	0.45%	1.61%

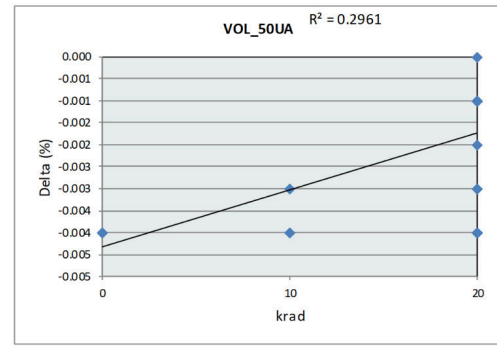


		VOH_12MA		
Test Site				
Tester				
Test Number				
Max Limit		3	V	
Min Limit		2.3	V	
krad	0	10	20	
LL	2.300	2.300	2.300	
Min	2.557	2.574	2.524	
Average	2.583	2.588	2.575	
Max	2.596	2.596	2.593	
UL	3.000	3.000	3.000	

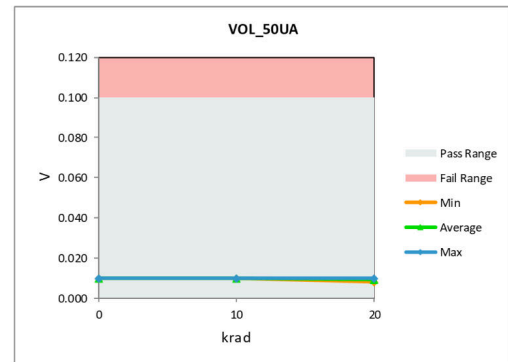


TID Report
SN54SLC8T245-SEP

VOL_50UA						
Test Site						
Tester						
Test Number						
Unit	V	V				
Max Limit	0.1	0.1				
Min Limit	0	0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.006	0.010	-0.004	-66.67%	4.00%
0	2	0.006	0.010	-0.004	-66.67%	4.00%
0	3	0.006	0.010	-0.004	-66.67%	4.00%
10	4	0.006	0.010	-0.004	-66.67%	4.00%
10	5	0.006	0.010	-0.004	-66.67%	4.00%
10	6	0.007	0.010	-0.003	-42.86%	3.00%
20	7	0.007	0.010	-0.003	-42.86%	3.00%
20	8	0.006	0.010	-0.004	-66.67%	4.00%
20	9	0.006	0.010	-0.004	-66.67%	4.00%
20	10	0.007	0.010	-0.003	-42.86%	3.00%
20	11	0.006	0.010	-0.004	-66.67%	4.00%
20	12	0.006	0.010	-0.004	-66.67%	4.00%
20	13	0.006	0.010	-0.004	-66.67%	4.00%
20	14	0.006	0.010	-0.004	-66.67%	4.00%
20	15	0.008	0.009	-0.001	-12.50%	1.00%
20	16	0.007	0.009	-0.002	-28.57%	2.00%
20	17	0.008	0.009	-0.001	-12.50%	1.00%
20	18	0.008	0.009	-0.001	-12.50%	1.00%
20	19	0.008	0.009	-0.001	-12.50%	1.00%
20	20	0.008	0.009	-0.001	-12.50%	1.00%
20	21	0.008	0.009	-0.001	-12.50%	1.00%
20	22	0.008	0.009	-0.001	-12.50%	1.00%
20	23	0.008	0.009	-0.001	-12.50%	1.00%
20	24	0.008	0.008	0.000	0.00%	0.00%
20	25	0.008	0.009	-0.001	-12.50%	1.00%
20	26	0.008	0.009	-0.001	-12.50%	1.00%
20	27	0.008	0.009	-0.001	-12.50%	1.00%
20	28	0.008	0.009	-0.001	-12.50%	1.00%
20	29	0.008	0.009	-0.001	-12.50%	1.00%
20	30	0.008	0.009	-0.001	-12.50%	1.00%
20	31	0.008	0.009	-0.001	-12.50%	1.00%
20	32	0.008	0.009	-0.001	-12.50%	1.00%
20	33	0.008	0.009	-0.001	-12.50%	1.00%
20	34	0.008	0.009	-0.001	-12.50%	1.00%
20	35	0.008	0.009	-0.001	-12.50%	1.00%
20	36	0.008	0.009	-0.001	-12.50%	1.00%
20	37	0.008	0.009	-0.001	-12.50%	1.00%
Max	0.008	0.010	0.000	0.00%	4.00%	
Average	0.007	0.009	-0.002	-31.16%	2.05%	
Min	0.006	0.008	-0.004	-66.67%	0.00%	
Std Dev	0.001	0.001	0.001	25.04%	1.41%	

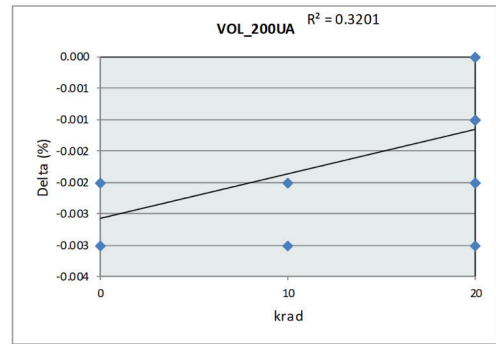


VOL_50UA			
Test Site			
Tester			
Test Number			
Max Limit	0.1	V	
Min Limit	0	V	
krad	0	10	20
LL	0.000	0.000	0.000
Min	0.010	0.010	0.008
Average	0.010	0.010	0.009
Max	0.010	0.010	0.010
UL	0.100	0.100	0.100

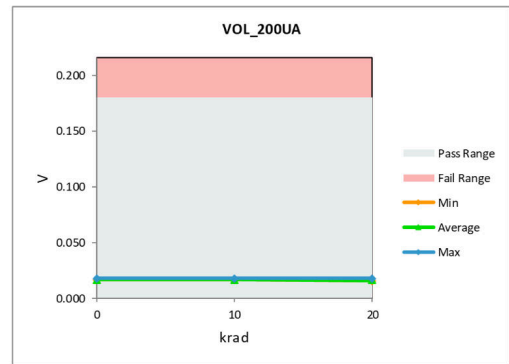


TID Report
SN54SLC8T245-SEP

VOL_200UA						
Test Site						
Tester						
Test Number						
Unit	V	V				
Max Limit	0.18	0.18				
Min Limit	0	0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.015	0.017	-0.002	-13.33%	1.11%
0	2	0.015	0.017	-0.002	-13.33%	1.11%
0	3	0.015	0.018	-0.003	-20.00%	1.67%
10	4	0.015	0.017	-0.002	-13.33%	1.11%
10	5	0.015	0.018	-0.003	-20.00%	1.67%
10	6	0.015	0.017	-0.002	-13.33%	1.11%
20	7	0.015	0.017	-0.002	-13.33%	1.11%
20	8	0.015	0.017	-0.002	-13.33%	1.11%
20	9	0.016	0.017	-0.001	-6.25%	0.56%
20	10	0.015	0.017	-0.002	-13.33%	1.11%
20	11	0.015	0.018	-0.003	-20.00%	1.67%
20	12	0.016	0.017	-0.001	-6.25%	0.56%
20	13	0.015	0.017	-0.002	-13.33%	1.11%
20	14	0.016	0.017	-0.001	-6.25%	0.56%
20	15	0.015	0.016	-0.001	-6.67%	0.56%
20	16	0.015	0.016	-0.001	-6.67%	0.56%
20	17	0.016	0.017	-0.001	-6.25%	0.56%
20	18	0.016	0.017	-0.001	-6.25%	0.56%
20	19	0.016	0.017	-0.001	-6.25%	0.56%
20	20	0.016	0.016	0.000	0.00%	0.00%
20	21	0.016	0.017	-0.001	-6.25%	0.56%
20	22	0.016	0.017	-0.001	-6.25%	0.56%
20	23	0.016	0.017	-0.001	-6.25%	0.56%
20	24	0.016	0.016	0.000	0.00%	0.00%
20	25	0.016	0.017	-0.001	-6.25%	0.56%
20	26	0.016	0.017	-0.001	-6.25%	0.56%
20	27	0.016	0.017	-0.001	-6.25%	0.56%
20	28	0.016	0.017	-0.001	-6.25%	0.56%
20	29	0.016	0.017	-0.001	-6.25%	0.56%
20	30	0.016	0.017	-0.001	-6.25%	0.56%
20	31	0.016	0.016	0.000	0.00%	0.00%
20	32	0.016	0.017	-0.001	-6.25%	0.56%
20	33	0.016	0.017	-0.001	-6.25%	0.56%
20	34	0.016	0.017	-0.001	-6.25%	0.56%
20	35	0.015	0.017	-0.002	-13.33%	1.11%
20	36	0.016	0.017	-0.001	-6.25%	0.56%
20	37	0.016	0.017	-0.001	-6.25%	0.56%
Max	0.016	0.018	0.000	0.00%	1.67%	
Average	0.016	0.017	-0.001	-8.60%	0.74%	
Min	0.015	0.016	-0.003	-20.00%	0.00%	
Std Dev	0.000	0.000	0.001	5.09%	0.42%	

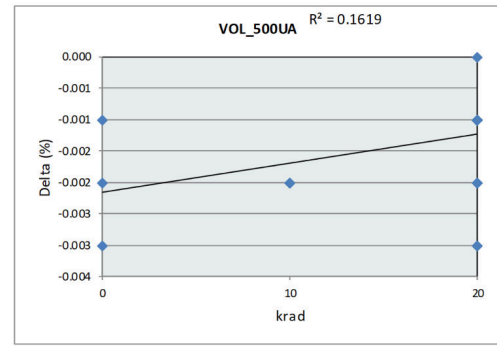


VOL_200UA			
Test Site			
Tester			
Test Number			
Max Limit	0.18	V	
Min Limit	0	V	
krad	0	10	20
LL	0.000	0.000	0.000
Min	0.017	0.017	0.016
Average	0.017	0.017	0.017
Max	0.018	0.018	0.018
UL	0.180	0.180	0.180

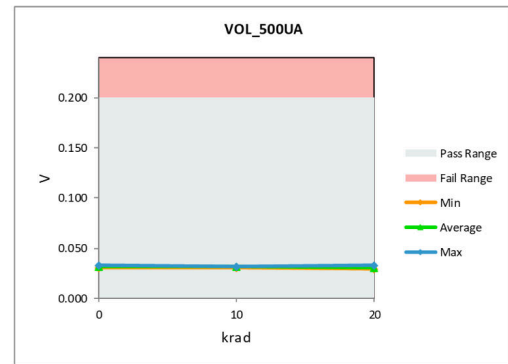


TID Report
SN54SLC8T245-SEP

VOL_500UA						
Test Site						
Tester						
Test Number						
Unit	V	V				
Max Limit	0.2	0.2				
Min Limit	0	0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.030	0.031	-0.001	-3.33%	0.50%
0	2	0.030	0.032	-0.002	-6.67%	1.00%
0	3	0.030	0.033	-0.003	-10.00%	1.50%
10	4	0.029	0.031	-0.002	-6.90%	1.00%
10	5	0.030	0.032	-0.002	-6.67%	1.00%
10	6	0.029	0.031	-0.002	-6.90%	1.00%
20	7	0.029	0.031	-0.002	-6.90%	1.00%
20	8	0.030	0.031	-0.001	-3.33%	0.50%
20	9	0.030	0.031	-0.001	-3.33%	0.50%
20	10	0.029	0.032	-0.003	-10.34%	1.50%
20	11	0.030	0.032	-0.002	-6.67%	1.00%
20	12	0.030	0.032	-0.002	-6.67%	1.00%
20	13	0.030	0.031	-0.001	-3.33%	0.50%
20	14	0.030	0.032	-0.002	-6.67%	1.00%
20	15	0.029	0.030	-0.001	-3.45%	0.50%
20	16	0.029	0.030	-0.001	-3.45%	0.50%
20	17	0.030	0.031	-0.001	-3.33%	0.50%
20	18	0.030	0.031	-0.001	-3.33%	0.50%
20	19	0.030	0.031	-0.001	-3.33%	0.50%
20	20	0.030	0.031	-0.001	-3.33%	0.50%
20	21	0.030	0.031	-0.001	-3.33%	0.50%
20	22	0.030	0.031	-0.001	-3.33%	0.50%
20	23	0.030	0.031	-0.001	-3.33%	0.50%
20	24	0.030	0.031	-0.001	-3.33%	0.50%
20	25	0.030	0.031	-0.001	-3.33%	0.50%
20	26	0.030	0.031	-0.001	-3.33%	0.50%
20	27	0.030	0.033	-0.003	-10.00%	1.50%
20	28	0.030	0.031	-0.001	-3.33%	0.50%
20	29	0.030	0.031	-0.001	-3.33%	0.50%
20	30	0.030	0.031	-0.001	-3.33%	0.50%
20	31	0.030	0.031	-0.001	-3.33%	0.50%
20	32	0.030	0.031	-0.001	-3.33%	0.50%
20	33	0.030	0.030	0.000	0.00%	0.00%
20	34	0.030	0.031	-0.001	-3.33%	0.50%
20	35	0.030	0.031	-0.001	-3.33%	0.50%
20	36	0.030	0.031	-0.001	-3.33%	0.50%
20	37	0.030	0.031	-0.001	-3.33%	0.50%
Max	0.030	0.033	0.000	0.00%	1.50%	
Average	0.030	0.031	-0.001	-4.54%	0.68%	
Min	0.029	0.030	-0.003	-10.34%	0.00%	
Std Dev	0.000	0.001	0.001	2.29%	0.34%	

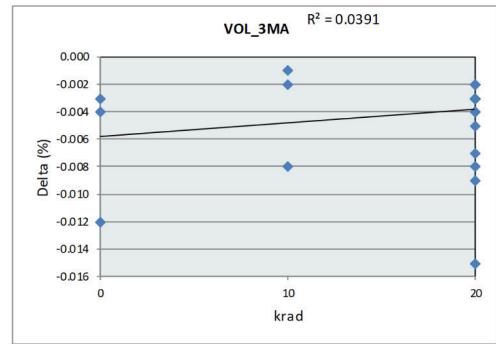


VOL_500UA			
Test Site			
Tester			
Test Number			
Max Limit	0.2	V	
Min Limit	0	V	
krad	0	10	20
LL	0.000	0.000	0.000
Min	0.031	0.031	0.030
Average	0.032	0.031	0.031
Max	0.033	0.032	0.033
UL	0.200	0.200	0.200

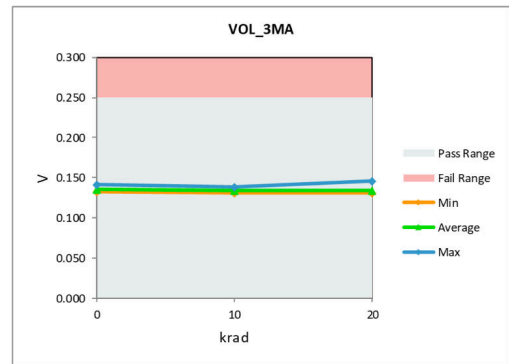


TID Report
SN54SLC8T245-SEP

		VOL_3MA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		0.25	0.25			
Min Limit		0	0			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.129	0.133	-0.004	-3.10%	1.60%
0	2	0.130	0.133	-0.003	-2.31%	1.20%
0	3	0.130	0.142	-0.012	-9.23%	4.80%
10	4	0.130	0.132	-0.002	-1.54%	0.80%
10	5	0.130	0.138	-0.008	-6.15%	3.20%
10	6	0.130	0.131	-0.001	-0.77%	0.40%
20	7	0.129	0.133	-0.004	-3.10%	1.60%
20	8	0.130	0.132	-0.002	-1.54%	0.80%
20	9	0.130	0.134	-0.004	-3.08%	1.60%
20	10	0.129	0.134	-0.005	-3.88%	2.00%
20	11	0.130	0.133	-0.003	-2.31%	1.20%
20	12	0.130	0.139	-0.009	-6.92%	3.60%
20	13	0.130	0.133	-0.003	-2.31%	1.20%
20	14	0.130	0.138	-0.008	-6.15%	3.20%
20	15	0.130	0.132	-0.002	-1.54%	0.80%
20	16	0.129	0.132	-0.003	-2.33%	1.20%
20	17	0.131	0.134	-0.003	-2.29%	1.20%
20	18	0.131	0.134	-0.003	-2.29%	1.20%
20	19	0.131	0.134	-0.003	-2.29%	1.20%
20	20	0.131	0.134	-0.003	-2.29%	1.20%
20	21	0.131	0.134	-0.003	-2.29%	1.20%
20	22	0.131	0.134	-0.003	-2.29%	1.20%
20	23	0.132	0.134	-0.002	-1.52%	0.80%
20	24	0.131	0.134	-0.003	-2.29%	1.20%
20	25	0.131	0.134	-0.003	-2.29%	1.20%
20	26	0.131	0.134	-0.003	-2.29%	1.20%
20	27	0.131	0.146	-0.015	-11.45%	6.00%
20	28	0.131	0.138	-0.007	-5.34%	2.80%
20	29	0.131	0.134	-0.003	-2.29%	1.20%
20	30	0.131	0.134	-0.003	-2.29%	1.20%
20	31	0.131	0.134	-0.003	-2.29%	1.20%
20	32	0.131	0.135	-0.004	-3.05%	1.60%
20	33	0.131	0.133	-0.002	-1.53%	0.80%
20	34	0.132	0.135	-0.003	-2.27%	1.20%
20	35	0.131	0.134	-0.003	-2.29%	1.20%
20	36	0.131	0.134	-0.003	-2.29%	1.20%
20	37	0.131	0.134	-0.003	-2.29%	1.20%
Max		0.132	0.146	-0.001	-0.77%	6.00%
Average		0.131	0.135	-0.004	-3.13%	1.63%
Min		0.129	0.131	-0.015	-11.45%	0.40%
Std Dev		0.001	0.003	0.003	2.22%	1.16%

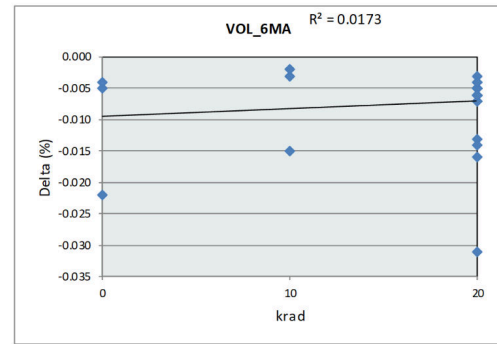


		VOL_3MA		
Test Site				
Tester				
Test Number				
Max Limit		0.25	V	
Min Limit		0	V	
krad	0	10	20	
LL	0.000	0.000	0.000	
Min	0.133	0.131	0.132	
Average	0.136	0.134	0.135	
Max	0.142	0.138	0.146	
UL	0.250	0.250	0.250	

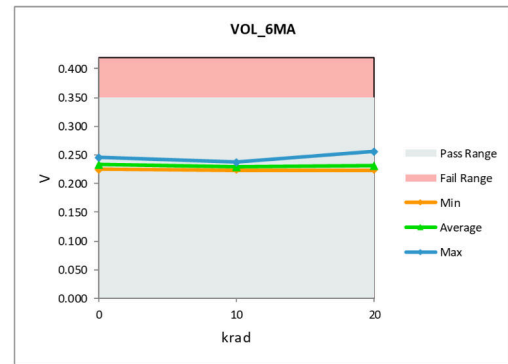


TID Report
SN54SLC8T245-SEP

		VOL_6MA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		0.35	0.35			
Min Limit		0	0			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.221	0.226	-0.005	-2.26%	1.43%
0	2	0.223	0.227	-0.004	-1.79%	1.14%
0	3	0.223	0.245	-0.022	-9.87%	6.29%
10	4	0.223	0.226	-0.003	-1.35%	0.86%
10	5	0.222	0.237	-0.015	-6.76%	4.29%
10	6	0.223	0.225	-0.002	-0.90%	0.57%
20	7	0.222	0.227	-0.005	-2.25%	1.43%
20	8	0.222	0.225	-0.003	-1.35%	0.86%
20	9	0.223	0.229	-0.006	-2.69%	1.71%
20	10	0.222	0.229	-0.007	-3.15%	2.00%
20	11	0.222	0.227	-0.005	-2.25%	1.43%
20	12	0.223	0.239	-0.016	-7.17%	4.57%
20	13	0.222	0.228	-0.006	-2.70%	1.71%
20	14	0.223	0.236	-0.013	-5.83%	3.71%
20	15	0.224	0.230	-0.006	-2.68%	1.71%
20	16	0.224	0.229	-0.005	-2.23%	1.43%
20	17	0.226	0.231	-0.005	-2.21%	1.43%
20	18	0.226	0.232	-0.006	-2.65%	1.71%
20	19	0.226	0.232	-0.006	-2.65%	1.71%
20	20	0.226	0.231	-0.005	-2.21%	1.43%
20	21	0.226	0.232	-0.006	-2.65%	1.71%
20	22	0.226	0.232	-0.006	-2.65%	1.71%
20	23	0.227	0.232	-0.005	-2.20%	1.43%
20	24	0.226	0.231	-0.005	-2.21%	1.43%
20	25	0.226	0.232	-0.006	-2.65%	1.71%
20	26	0.226	0.231	-0.005	-2.21%	1.43%
20	27	0.226	0.257	-0.031	-13.72%	8.86%
20	28	0.226	0.240	-0.014	-6.19%	4.00%
20	29	0.226	0.230	-0.004	-1.77%	1.14%
20	30	0.226	0.231	-0.005	-2.21%	1.43%
20	31	0.226	0.231	-0.005	-2.21%	1.43%
20	32	0.226	0.232	-0.006	-2.65%	1.71%
20	33	0.226	0.231	-0.005	-2.21%	1.43%
20	34	0.227	0.234	-0.007	-3.08%	2.00%
20	35	0.226	0.232	-0.006	-2.65%	1.71%
20	36	0.226	0.232	-0.006	-2.65%	1.71%
20	37	0.226	0.230	-0.004	-1.77%	1.14%
Max		0.227	0.257	-0.002	-0.90%	8.86%
Average		0.225	0.232	-0.007	-3.26%	2.09%
Min		0.221	0.225	-0.031	-13.72%	0.57%
Std Dev		0.002	0.006	0.006	2.54%	1.63%

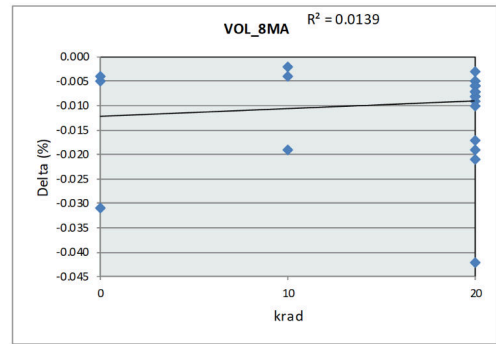


		VOL_6MA		
Test Site				
Tester				
Test Number				
Max Limit		0.35	V	
Min Limit		0	V	
krad	0	10	20	
LL	0.000	0.000	0.000	
Min	0.226	0.225	0.225	
Average	0.233	0.229	0.232	
Max	0.245	0.237	0.257	
UL	0.350	0.350	0.350	

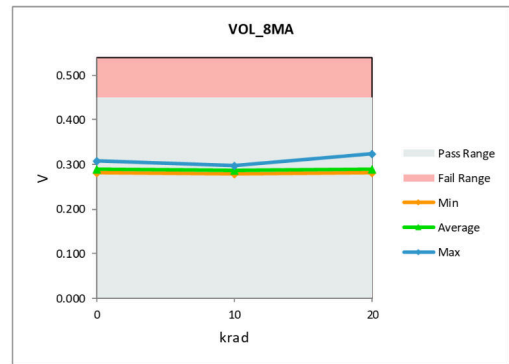


TID Report
SN54SLC8T245-SEP

		VOL_8MA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		0.45	0.45			
Min Limit		0	0			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.276	0.281	-0.005	-1.81%	1.11%
0	2	0.279	0.283	-0.004	-1.43%	0.89%
0	3	0.277	0.308	-0.031	-11.19%	6.89%
10	4	0.278	0.282	-0.004	-1.44%	0.89%
10	5	0.278	0.297	-0.019	-6.83%	4.22%
10	6	0.278	0.280	-0.002	-0.72%	0.44%
20	7	0.277	0.284	-0.007	-2.53%	1.56%
20	8	0.278	0.281	-0.003	-1.08%	0.67%
20	9	0.278	0.286	-0.008	-2.88%	1.78%
20	10	0.277	0.286	-0.009	-3.25%	2.00%
20	11	0.278	0.284	-0.006	-2.16%	1.33%
20	12	0.278	0.299	-0.021	-7.55%	4.67%
20	13	0.278	0.284	-0.006	-2.16%	1.33%
20	14	0.278	0.295	-0.017	-6.12%	3.78%
20	15	0.282	0.287	-0.005	-1.77%	1.11%
20	16	0.281	0.287	-0.006	-2.14%	1.33%
20	17	0.283	0.290	-0.007	-2.47%	1.56%
20	18	0.283	0.291	-0.008	-2.83%	1.78%
20	19	0.283	0.290	-0.007	-2.47%	1.56%
20	20	0.283	0.290	-0.007	-2.47%	1.56%
20	21	0.284	0.291	-0.007	-2.46%	1.56%
20	22	0.283	0.291	-0.008	-2.83%	1.78%
20	23	0.284	0.290	-0.006	-2.11%	1.33%
20	24	0.283	0.291	-0.008	-2.83%	1.78%
20	25	0.283	0.291	-0.008	-2.83%	1.78%
20	26	0.284	0.290	-0.006	-2.11%	1.33%
20	27	0.283	0.325	-0.042	-14.84%	9.33%
20	28	0.283	0.302	-0.019	-6.71%	4.22%
20	29	0.284	0.289	-0.005	-1.76%	1.11%
20	30	0.282	0.289	-0.007	-2.48%	1.56%
20	31	0.283	0.289	-0.006	-2.12%	1.33%
20	32	0.283	0.291	-0.008	-2.83%	1.78%
20	33	0.284	0.290	-0.006	-2.11%	1.33%
20	34	0.283	0.293	-0.010	-3.53%	2.22%
20	35	0.283	0.291	-0.008	-2.83%	1.78%
20	36	0.284	0.290	-0.006	-2.11%	1.33%
20	37	0.283	0.290	-0.007	-2.47%	1.56%
Max		0.284	0.325	-0.002	-0.72%	9.33%
Average		0.281	0.290	-0.009	-3.36%	2.10%
Min		0.276	0.280	-0.042	-14.84%	0.44%
Std Dev		0.003	0.008	0.008	2.83%	1.76%

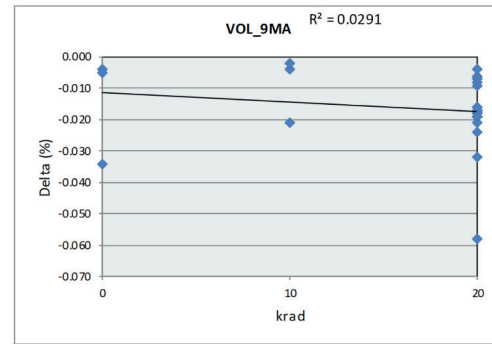


		VOL_8MA		
Test Site				
Tester				
Test Number				
Max Limit		0.45	V	
Min Limit		0	V	
krad	0	10	20	
LL	0.000	0.000	0.000	
Min	0.281	0.280	0.281	
Average	0.291	0.286	0.291	
Max	0.308	0.297	0.325	
UL	0.450	0.450	0.450	

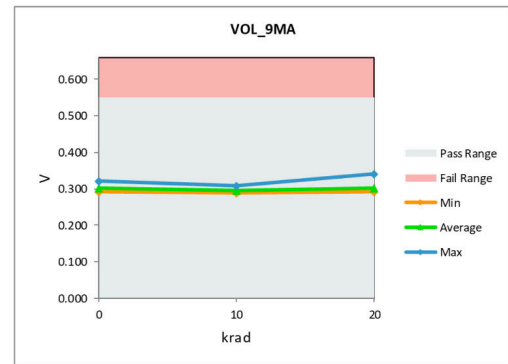


TID Report
SN54SLC8T245-SEP

		VOL_9MA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		0.55	0.55			
Min Limit		0	0			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.287	0.291	-0.004	-1.39%	0.73%
0	2	0.288	0.293	-0.005	-1.74%	0.91%
0	3	0.287	0.321	-0.034	-11.85%	6.18%
10	4	0.288	0.292	-0.004	-1.39%	0.73%
10	5	0.288	0.309	-0.021	-7.29%	3.82%
10	6	0.288	0.290	-0.002	-0.69%	0.36%
20	7	0.288	0.294	-0.006	-2.08%	1.09%
20	8	0.288	0.292	-0.004	-1.39%	0.73%
20	9	0.288	0.297	-0.009	-3.13%	1.64%
20	10	0.288	0.296	-0.008	-2.78%	1.45%
20	11	0.288	0.295	-0.007	-2.43%	1.27%
20	12	0.288	0.312	-0.024	-8.33%	4.36%
20	13	0.288	0.295	-0.007	-2.43%	1.27%
20	14	0.288	0.307	-0.019	-6.60%	3.45%
20	15	0.283	0.300	-0.017	-6.01%	3.09%
20	16	0.283	0.299	-0.016	-5.65%	2.91%
20	17	0.284	0.302	-0.018	-6.34%	3.27%
20	18	0.285	0.302	-0.017	-5.96%	3.09%
20	19	0.284	0.303	-0.019	-6.69%	3.45%
20	20	0.285	0.302	-0.017	-5.96%	3.09%
20	21	0.285	0.302	-0.017	-5.96%	3.09%
20	22	0.283	0.302	-0.019	-6.71%	3.45%
20	23	0.285	0.302	-0.017	-5.96%	3.09%
20	24	0.284	0.303	-0.019	-6.69%	3.45%
20	25	0.285	0.303	-0.018	-6.32%	3.27%
20	26	0.285	0.302	-0.017	-5.96%	3.09%
20	27	0.284	0.342	-0.058	-20.42%	10.55%
20	28	0.285	0.317	-0.032	-11.23%	5.82%
20	29	0.284	0.301	-0.017	-5.99%	3.09%
20	30	0.284	0.301	-0.017	-5.99%	3.09%
20	31	0.283	0.302	-0.019	-6.71%	3.45%
20	32	0.284	0.302	-0.018	-6.34%	3.27%
20	33	0.285	0.302	-0.017	-5.96%	3.09%
20	34	0.284	0.305	-0.021	-7.39%	3.82%
20	35	0.285	0.302	-0.017	-5.96%	3.09%
20	36	0.284	0.303	-0.019	-6.69%	3.45%
20	37	0.285	0.301	-0.016	-5.61%	2.91%
Max		0.288	0.342	-0.002	-0.69%	10.55%
Average		0.286	0.302	-0.017	-5.84%	3.03%
Min		0.283	0.290	-0.058	-20.42%	0.36%
Std Dev		0.002	0.009	0.010	3.54%	1.83%

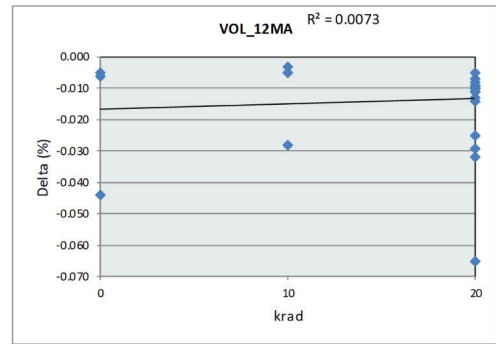


		VOL_9MA		
Test Site				
Tester				
Test Number				
Max Limit		0.55	V	
Min Limit		0	V	
krad	0	10	20	
LL	0.000	0.000	0.000	
Min	0.291	0.290	0.292	
Average	0.302	0.297	0.303	
Max	0.321	0.309	0.342	
UL	0.550	0.550	0.550	

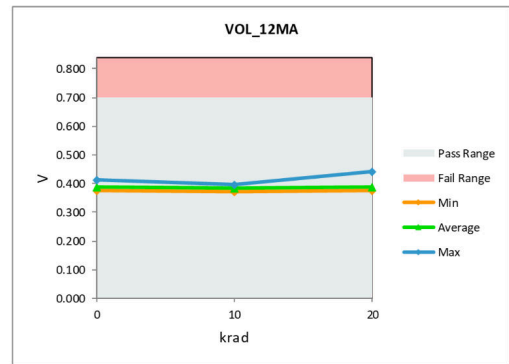


TID Report
SN54SLC8T245-SEP

		VOL_12MA				
Test Site						
Tester						
Test Number						
Unit		V	V			
Max Limit		0.7	0.7			
Min Limit		0	0			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.369	0.374	-0.005	-1.36%	0.71%
0	2	0.371	0.377	-0.006	-1.62%	0.86%
0	3	0.370	0.414	-0.044	-11.89%	6.29%
10	4	0.371	0.376	-0.005	-1.35%	0.71%
10	5	0.370	0.398	-0.028	-7.57%	4.00%
10	6	0.370	0.373	-0.003	-0.81%	0.43%
20	7	0.371	0.378	-0.007	-1.89%	1.00%
20	8	0.370	0.375	-0.005	-1.35%	0.71%
20	9	0.370	0.383	-0.013	-3.51%	1.86%
20	10	0.371	0.381	-0.010	-2.70%	1.43%
20	11	0.370	0.380	-0.010	-2.70%	1.43%
20	12	0.370	0.402	-0.032	-8.65%	4.57%
20	13	0.370	0.379	-0.009	-2.43%	1.29%
20	14	0.370	0.395	-0.025	-6.76%	3.57%
20	15	0.377	0.386	-0.009	-2.39%	1.29%
20	16	0.377	0.387	-0.010	-2.65%	1.43%
20	17	0.379	0.388	-0.009	-2.37%	1.29%
20	18	0.380	0.390	-0.010	-2.63%	1.43%
20	19	0.379	0.389	-0.010	-2.64%	1.43%
20	20	0.380	0.389	-0.009	-2.37%	1.29%
20	21	0.380	0.390	-0.010	-2.63%	1.43%
20	22	0.378	0.389	-0.011	-2.91%	1.57%
20	23	0.379	0.388	-0.009	-2.37%	1.29%
20	24	0.379	0.389	-0.010	-2.64%	1.43%
20	25	0.379	0.390	-0.011	-2.90%	1.57%
20	26	0.379	0.389	-0.010	-2.64%	1.43%
20	27	0.378	0.443	-0.065	-17.20%	9.29%
20	28	0.379	0.408	-0.029	-7.65%	4.14%
20	29	0.379	0.388	-0.009	-2.37%	1.29%
20	30	0.377	0.388	-0.011	-2.92%	1.57%
20	31	0.378	0.388	-0.010	-2.65%	1.43%
20	32	0.378	0.389	-0.011	-2.91%	1.57%
20	33	0.379	0.389	-0.010	-2.64%	1.43%
20	34	0.379	0.393	-0.014	-3.69%	2.00%
20	35	0.379	0.390	-0.011	-2.90%	1.57%
20	36	0.378	0.389	-0.011	-2.91%	1.57%
20	37	0.380	0.388	-0.008	-2.11%	1.14%
Max		0.380	0.443	-0.003	-0.81%	9.29%
Average		0.375	0.389	-0.014	-3.67%	1.97%
Min		0.369	0.373	-0.065	-17.20%	0.43%
Std Dev		0.004	0.012	0.012	3.22%	1.72%



		VOL_12MA		
Test Site				
Tester				
Test Number				
Max Limit		0.7	V	
Min Limit		0	V	
krad	0	10	20	
LL	0.000	0.000	0.000	
Min	0.374	0.373	0.375	
Average	0.388	0.382	0.390	
Max	0.414	0.398	0.443	
UL	0.700	0.700	0.700	



IMPORTANT NOTICE AND DISCLAIMER

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

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

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

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

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

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