



ABSTRACT

This report discusses the radiation characterization results of the SN54SC6T06-SEP radiation tolerant, hex inverter buffers and drivers with open-drain outputs. The study was done to determine Total Ionizing Dose (TID) effects under high dose rate (HDR) to 30krad(Si). Radiation Lot Acceptance Testing (RLAT) was performed using five units at a dose level of 30krad(Si) per MIL-STD-883 TM 1019. All future wafer lots will be tested under the same conditions.

The SN54SC6T06-SEP is packaged in a space enhanced plastic for low outgassing characteristics and is Single Event Latch-Up (SEL) immune up to 43MeV-cm² / mg, which makes the device an option for low Earth orbit space applications.

For full total ionizing dose characterization results, see [SN54SC6T07-SEP Total Ionizing Dose \(TID\) Report](#).

Table of Contents

1 Device Information	2
1.1 Device Details.....	2
2 Total Dose Test Setup	3
2.1 Test Overview.....	3
2.2 Test Description and Facilities.....	3
2.3 Test Setup Details.....	3
2.4 Test Configuration and Condition.....	4
3 TID Characterization Test Results	5
3.1 TID Characterization Summary Results.....	5
3.2 Specification Compliance Matrix.....	6
4 Reference Documents	8
5 Appendix: HDR TID Report Data	8

List of Figures

Figure 2-1. SN54SC6T06-SEP Biased Diagram.....	3
--	---

List of Tables

Table 1-1. Device and Exposure Details.....	2
Table 2-1. HDR Device Information.....	4
Table 3-1. Electrical Parameters Table.....	6

Trademarks

All trademarks are the property of their respective owners.

1 Device Information

The SN54SC6T06-SEP device contains six independent inverters with open-drain outputs and extended voltage operation to allow for level translation. Each inverter performs the Boolean function $Y = \bar{A}$ in positive logic. The output level is referenced to the supply voltage (VCC) and supports 1.2V, 1.8V, 2.5V, 3.3V, and 5V CMOS levels.

The input is designed with a lower threshold circuit to support up translation for lower voltage CMOS inputs (for example 1.2V input to 1.8V output or 1.8V input to 3.3V output). Additionally, the 5V tolerant input pins enable down translation (for example, 3.3V to 2.5V output).

1.1 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 30krad(Si)	
TI Device Number	SN54SC6T06-SEP
Package	14-pin PW (TSSOP)
Technology	LBC9
Die Lot Number	2208691RFB
A/T Lot Number and Date Code	3291306ML3 / 33AHEKK
Quantity Tested	Six irradiated devices + four control
Lot Accept or Reject	Devices passed 30krad(Si)
HDR Radiation Facility	Texas Instruments CLAB in Dallas, Texas
HDR Dose Level	10krad(Si), 20krad(Si), 30krad(Si), 50krad(Si)
HDR Dose Rate	191.55rad(Si) / s ionizing radiation
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
Irradiation Temperature	Ambient, room temperature

2 Total Dose Test Setup

2.1 Test Overview

The SN54SC6T06-SEP samples were irradiated at a high dose rate of 191.55rad(Si) / s up to 30krad(Si) and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). The samples were functional and passed all electrical parametric tests with readings within data sheet electrical specification limits.

2.2 Test Description and Facilities

The SN54SC6T06-SEP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at a TI facility in Dallas, Texas. The unattenuated dose rate of this cell is 192.51rads(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 sections.

2.3.1 Bias Diagram

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

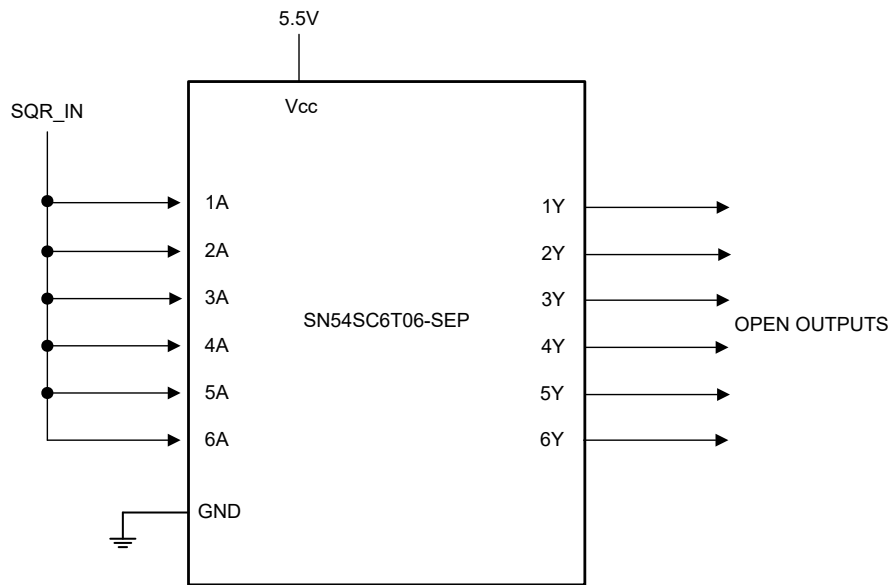


Figure 2-1. SN54SC6T06-SEP Biased Diagram

2.4 Test Configuration and Condition

The RLAT units were irradiated to 30krad(Si), parametrically tested on ATE, and then were annealed at 25°C for 72 hours. The units were then put through parametric testing once more on the ATE. An additional six units were irradiated to 30krad(Si) without anneal, for reference.

[Table 2-1](#) lists the serialized samples used for TID Radiation Lot Acceptance Testing (RLAT).

Table 2-1. HDR Device Information

Control Group	HDR = 191.55rad(Si) / s	
Total Samples: 4	Total Samples: 12	
	Exposure Levels	
0krad (Si)	30krad(Si)	
Biased	Biased	Biased + 50 hour anneal
1 - 4	5 - 10	11 - 16

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the SN54SC6T06-SEP passes to 30krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the SN54SC6T06-SEP showed a strong degree of hardness to HDR TID irradiation up to 30krad(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.

See [Section 5](#) for HDR report up to 30krad(Si).

3.2 Specification Compliance Matrix

Table 3-1. Electrical Parameters Table

Parameter	Test Conditions	V _{CC}	T _A = -55°C to +125°C			Unit	Test Name
			MIN	TYP	MAX		
V _{T+} 1	Positive-going input threshold voltage	1.2V to 1.3V	0.31	0.655	1.1	V	VTP_1P2V
		1.65V to 2V	0.39	0.915	1.32		VTP_1P65V, VTP_2V
		2.25V to 2.75V	0.51	1.09	1.51		VTP_2P25V, VTP_2P75V
		3V to 3.6V	0.65	1.2	1.7		VTP_3V, VTP_3P6V
		4.5V to 5.5V	0.87	1.51	2.16		VTP_4P5V, VTP_5P5V
V _{T-} 1	Negative-going input threshold voltage	1.2V to 1.3V	0.11	0.349	0.622	V	VTN_1P2V
		1.65V to 2V	0.18	0.455	0.666		VTN_1P65V, VTN_2V
		2.25V to 2.75V	0.25	0.545	0.74		VTN_2P25V, VTN_2P75V
		3V to 3.6V	0.33	0.635	0.85		VTN_3V, VTN_3P6V
		4.5V to 5.5V	0.45	0.755	1.14		VTN_4P5V, VTN_5P5V
ΔV _T 1	Hysteresis (V _{T+} – V _{T-})	1.2V to 1.3V	0.081	0.29	0.77	V	DELTAVT_1P2V
		1.65V to 2V	0.21	0.43	0.88		DELTAVT_1P65V, DELTAVT_2V
		2.25V to 2.75V	0.25	0.54	0.91		DELTAVT_2P25V, DELTAVT_2P75V
		3V to 3.6V	0.31	0.63	0.91		DELTAVT_3V, DELTAVT_3P6V
		4.5V to 5.5V	0.43	0.75	1.1		DELTAVT_4P5V, DELTAVT_5P5V
V _{IH}	High-level input voltage	1.2V to 1.3V	0.78			V	VIH_1P2V, VIH_1P3V
		1.65V to 2V	1.1				VIH_1P65V, VIH_2V
		2.25V to 2.75V	1.28				VIH_2P25V, VIH_2P75V
		3V to 3.6V	1.45				VIH_3V, VIH_3P6V
		4.5V to 5.5V	2				VIH_4P5V, VIH_5P5V
V _{IL}	Low-level input voltage	1.2V to 1.3V			0.18	V	VIL_1P2V, VIL_1P3V
		1.65V to 2V			0.51		VIL_1P65V, VIL_2V
		2.25V to 2.75V			0.65		VIL_2P25V, VIL_2P75V
		3V to 3.6V			0.75		VIL_3V, VIL_3P6V
		4.5V to 5.5V			0.8		VIL_4P5V, VIL_5P5V
V _{OH} 2	I _{OH} = -50μA	1.2V to 5.5V	V _{CC} -0.2			V	VOH_N50UA_1P65V, VOH_N50UA_2V, VOH_N50UA_2P75V, VOH_N50UA_3P6V, VOH_N50UA_4P5V, VOH_N50UA_5P5V
	I _{OH} = -1mA	1.2V	0.8				VOH_N1MA_1P2V
	I _{OH} = -2mA	1.65V to 2V	1.21				VOH_N2MA_1P65V, VOH_N2MA_2V
	I _{OH} = -3mA	2.25V to 2.75V	1.93				VOH_N3MA_2P25V, VOH_N3MA_2P75V
	I _{OH} = -5.5mA	3V to 3.6V	2.49				VOH_N5P5MA_3V, VOH_N5P5MA_3P6V
	I _{OH} = -8mA	4.5V to 5.5V	3.95				VOH_N8MA_4P5V, VOH_N8MA_5P5V
	I _{OH} = -24mA	4.5V to 5.5V	3.15				VOH_N24MA_4P5V, VOH_N24MA_5P5V
V _{OL}	I _{OL} = 50μA	1.2V to 5.5V			0.1	V	VOL_50UA_1P65V, VOL_50UA_2V, VOL_50UA_2P75V, VOL_50UA_3P6V, VOL_50UA_4P5V, VOL_50UA_5P5V
	I _{OL} = 1mA	1.2V			0.2		VOL_1MA_1P2V
	I _{OL} = 2mA	1.65V to 2V			0.25		VOL_2MA_1P65V, VOL_2MA_2V
	I _{OL} = 3mA	2.25V to 2.75V			0.2		VOL_3MA_2P25V, VOL_3MA_2P75V
	I _{OL} = 5.5mA	3V to 3.6V			0.25		VOL_5P5MA_3V, VOL_5P5MA_3P6V
	I _{OL} = 8mA	4.5V to 5.5V			0.35		VOL_8MA_4P5V, VOL_8MA_5P5V
	I _{OL} = 24mA	4.5V to 5.5V			0.75		VOL_24MA_4P5V, VOL_24MA_5P5V
I _{CC}	V _I = V _{CC} or GND, I _O = 0	1.2V to 5.5V		2	93	μA	ICCH_5P5V, ICCL_5P5V

Table 3-1. Electrical Parameters Table (continued)

Parameter	Test Conditions	V _{CC}	T _A = -55°C to +125°C			Unit	Test Name
			MIN	TYP	MAX		
Δ _{ICC}	One input at 0.3V or 3.4V, other inputs at V _{CC} or GND	5.5V			1.5	mA	DELTAICC_5P5V
	One input at 0.3V or 1.1V, other inputs at V _{CC} or GND	1.8V			68	μA	DELTAICC_1P8V
I _{OZ} 3	V _O = V _{CC} or GND	5.5V			±2.5	μA	IOZ
I _I	V _I = 0V to V _{CC}	V _I = 0V to V _{CC}			±1	μA	IIH_5P5V, IIL_5P5V

1. Schmitt-trigger input devices only.
2. Push-pull output devices only.
3. Tri-state output devices only.

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.

5 Appendix: HDR TID Report Data

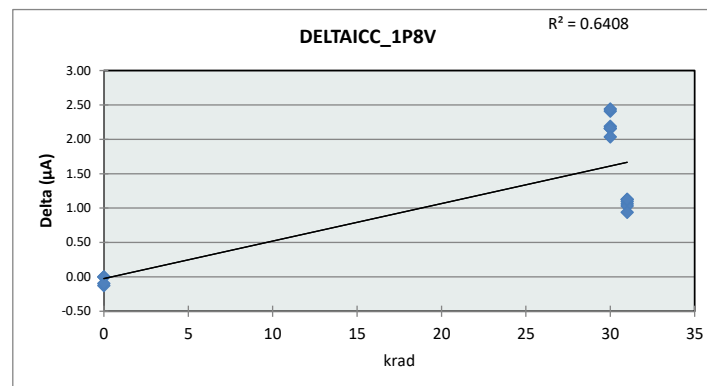
This appendix provides the SN54SC6T06-SEP TID HDR report. The report shows the variation for each parameter up to 30krad(Si).

TID Report

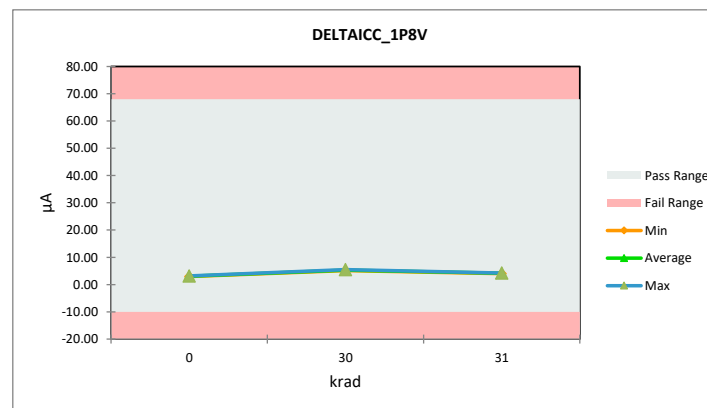
SN54SC6T06-SEP

DELTAICC_1P8V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	µA
Max Limit	68
Min Limit	-10

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.167	3.167	0.00	0.00%	0.00%
0	2	3.011	3.011	0.00	0.00%	0.00%
0	3	3.230	3.104	-0.13	-3.90%	0.16%
0	4	3.042	2.948	-0.09	-3.09%	0.12%
30	5	3.042	5.452	2.41	79.22%	3.09%
30	6	3.073	5.264	2.19	71.30%	2.81%
30	7	3.042	5.202	2.16	71.01%	2.77%
30	8	3.073	5.233	2.16	70.29%	2.77%
30	9	3.042	5.483	2.44	80.24%	3.13%
30	10	3.104	5.139	2.04	65.56%	2.61%
31	11	3.042	4.137	1.10	36.00%	1.40%
31	12	3.073	4.137	1.06	34.62%	1.36%
31	13	3.042	4.075	1.03	33.96%	1.32%
31	14	3.073	4.200	1.13	36.67%	1.44%
31	15	3.042	3.981	0.94	30.87%	1.20%
31	16	3.104	4.231	1.13	36.31%	1.44%
Max		3.230	5.483	2.25	80.24%	3.13%
Average		3.075	4.298	1.22	39.94%	1.60%
Min		3.011	2.948	-0.06	-3.90%	0.00%
Std Dev		0.055	0.912	0.86	30.38%	1.14%



DELTAICC_1P8V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774200		
Units	µA		
Max Limit	68		
Min Limit	-10		
krad	0	30	31
LL	-10.00	-10.00	-10.00
Min	2.95	5.14	3.98
Average	3.06	5.30	4.13
Max	3.17	5.48	4.23
UL	68.00	68.00	68.00

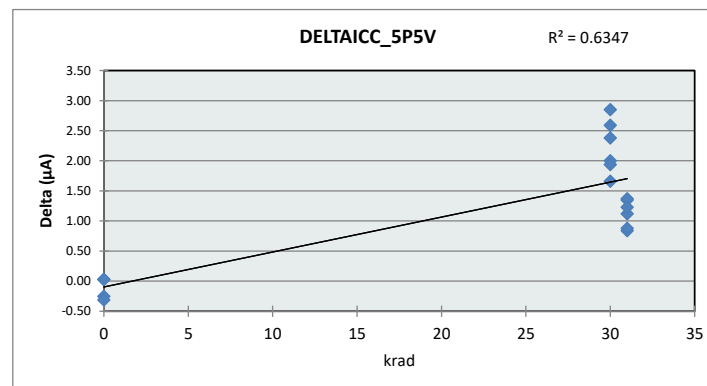


TID Report

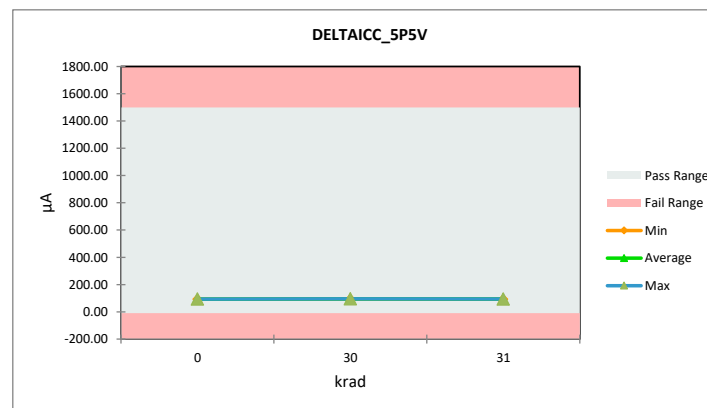
SN54SC6T06-SEP

DELTAICC_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	µA
Max Limit	1500
Min Limit	-10

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	93.510	93.260	-0.25	-0.27%	0.02%
0	2	92.380	92.410	0.03	0.03%	0.00%
0	3	92.600	92.630	0.03	0.03%	0.00%
0	4	92.630	92.320	-0.31	-0.33%	0.02%
30	5	92.510	94.170	1.66	1.79%	0.11%
30	6	93.070	95.070	2.00	2.15%	0.13%
30	7	92.070	94.920	2.85	3.10%	0.19%
30	8	92.880	94.820	1.94	2.09%	0.13%
30	9	92.510	95.100	2.59	2.80%	0.17%
30	10	92.220	94.600	2.38	2.58%	0.16%
31	11	92.510	93.350	0.84	0.91%	0.06%
31	12	93.070	93.950	0.88	0.95%	0.06%
31	13	92.070	93.190	1.12	1.22%	0.07%
31	14	92.880	94.230	1.35	1.45%	0.09%
31	15	92.510	93.880	1.37	1.48%	0.09%
31	16	92.220	93.450	1.23	1.33%	0.08%
Max		93.510	95.100	1.59	3.10%	0.19%
Average		92.603	93.834	1.23	1.33%	0.09%
Min		92.070	92.320	0.25	-0.33%	0.00%
Std Dev		0.397	0.933	0.54	1.08%	0.06%



DELTAICC_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	µA			
Max Limit	1500			
Min Limit	-10			
LL		-10.00	-10.00	-10.00
Min		92.32	94.17	93.19
Average		92.66	94.78	93.68
Max		93.26	95.10	94.23
UL		1500.00	1500.00	1500.00

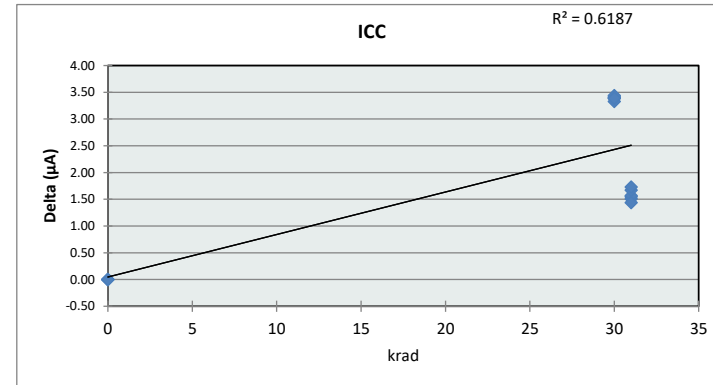


TID Report

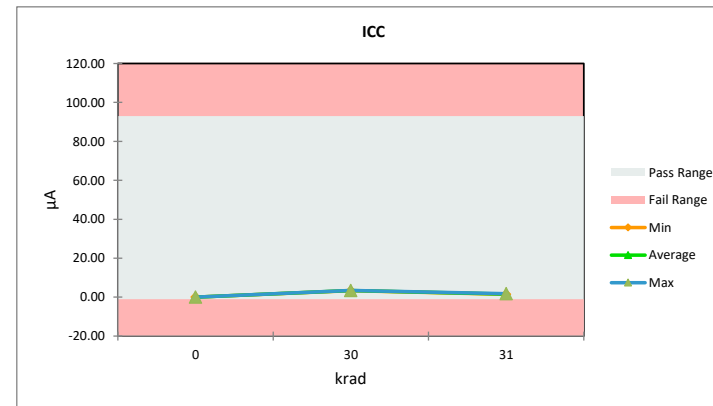
SN54SC6T06-SEP

ICC	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	µA
Max Limit	93
Min Limit	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.003	0.003	0.00	25.73%	0.00%
0	2	0.003	0.003	0.00	-11.76%	0.00%
0	3	0.003	0.003	0.00	-5.11%	0.00%
0	4	0.003	0.003	0.00	1.08%	0.00%
30	5	0.003	3.387	3.38	116814.05%	3.60%
30	6	0.003	3.411	3.41	127271.17%	3.63%
30	7	0.003	3.417	3.41	98657.23%	3.63%
30	8	0.003	3.333	3.33	107973.93%	3.54%
30	9	0.003	3.444	3.44	109337.56%	3.66%
30	10	0.003	3.393	3.39	102624.80%	3.61%
31	11	0.003	1.511	1.51	52057.40%	1.60%
31	12	0.003	1.550	1.55	57779.01%	1.65%
31	13	0.003	1.572	1.57	45333.53%	1.67%
31	14	0.003	1.674	1.67	54180.16%	1.78%
31	15	0.003	1.440	1.44	45657.86%	1.53%
31	16	0.003	1.734	1.73	52397.73%	1.84%
Max		0.003	3.444	3.44	127271.17%	3.66%
Average		0.003	1.867	1.86	60630.90%	1.98%
Min		0.003	0.003	0.00	-11.76%	0.00%
Std Dev		0.000	1.379	1.38	45293.94%	1.47%



ICC		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	µA			
Max Limit	93			
Min Limit	-1			
LL		-1.00	-1.00	-1.00
Min		0.00	3.33	1.44
Average		0.00	3.40	1.58
Max		0.00	3.44	1.73
UL		93.00	93.00	93.00

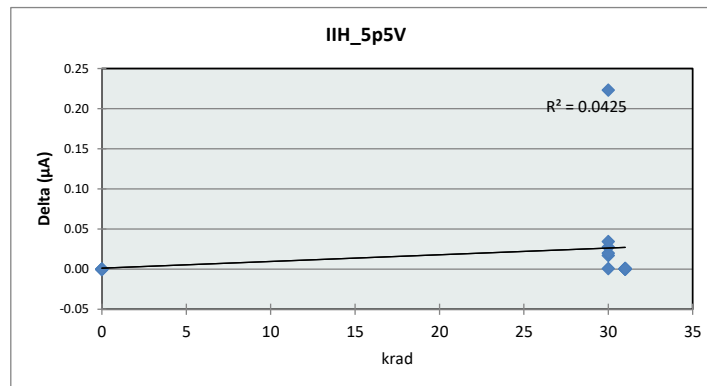


TID Report

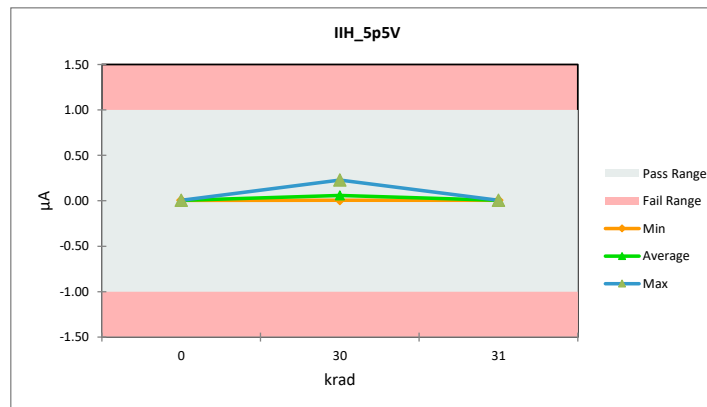
SN54SC6T06-SEP

IIH_5p5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	µA
Max Limit	1
Min Limit	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.005	0.005	0.00	2.42%	0.01%
0	2	0.005	0.005	0.00	7.34%	0.02%
0	3	0.005	0.004	0.00	-8.35%	0.02%
0	4	0.005	0.005	0.00	-10.49%	0.03%
30	5	0.005	0.006	0.00	12.04%	0.03%
30	6	0.005	0.033	0.03	549.70%	1.38%
30	7	0.005	0.228	0.22	4380.66%	11.16%
30	8	0.005	0.022	0.02	369.39%	0.85%
30	9	0.005	0.025	0.02	390.05%	1.00%
30	10	0.005	0.039	0.03	698.82%	1.72%
31	11	0.005	0.005	0.00	0.59%	0.00%
31	12	0.005	0.005	0.00	4.97%	0.01%
31	13	0.005	0.006	0.00	14.73%	0.04%
31	14	0.005	0.005	0.00	13.54%	0.03%
31	15	0.005	0.005	0.00	-0.60%	0.00%
31	16	0.005	0.006	0.00	20.91%	0.05%
Max		0.005	0.228	0.22	4380.66%	11.16%
Average		0.005	0.025	0.02	402.86%	1.02%
Min		0.005	0.004	0.00	-10.49%	0.00%
Std Dev		0.000	0.055	0.06	1085.47%	2.76%



IIH_5p5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	µA			
Max Limit	1			
Min Limit	-1			
LL		-1.00	-1.00	-1.00
Min		0.00	0.01	0.01
Average		0.00	0.06	0.01
Max		0.01	0.23	0.01
UL		1.00	1.00	1.00

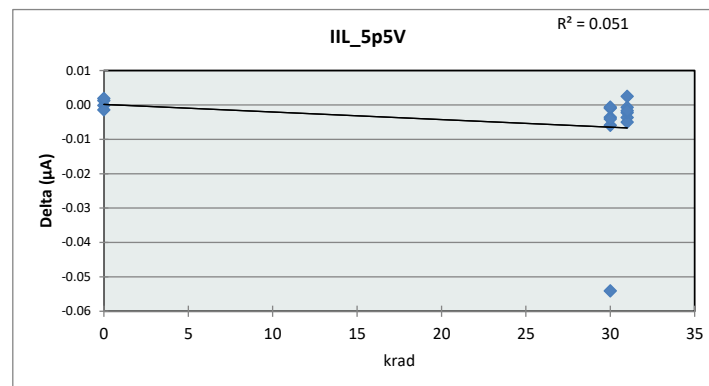


TID Report

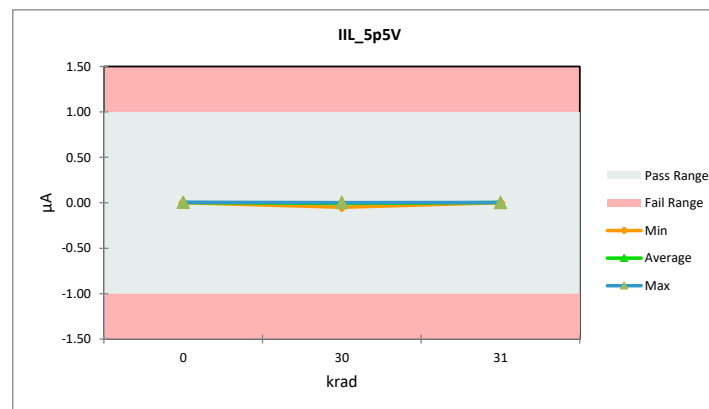
SN54SC6T06-SEP

IIL_5p5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	µA
Max Limit	1
Min Limit	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.002	0.003	0.00	78.86%	0.06%
0	2	0.001	0.001	0.00	-13.46%	0.01%
0	3	0.003	0.001	0.00	-49.46%	0.07%
0	4	0.004	0.006	0.00	49.68%	0.09%
30	5	0.002	0.001	0.00	-42.44%	0.05%
30	6	0.002	-0.002	0.00	-225.03%	0.18%
30	7	0.005	-0.049	-0.05	-1141.17%	2.70%
30	8	0.006	0.000	-0.01	-98.91%	0.30%
30	9	0.006	0.002	0.00	-68.17%	0.20%
30	10	0.003	0.002	0.00	-22.06%	0.03%
31	11	0.002	0.002	0.00	-30.92%	0.03%
31	12	0.002	0.004	0.00	157.72%	0.13%
31	13	0.005	0.001	0.00	-76.84%	0.18%
31	14	0.006	0.001	0.00	-83.27%	0.25%
31	15	0.006	0.004	0.00	-36.70%	0.11%
31	16	0.003	0.001	0.00	-58.23%	0.08%
Max		0.006	0.006	0.00	157.72%	2.70%
Average		0.004	-0.001	0.00	-103.77%	0.28%
Min		0.001	-0.049	-0.05	-1141.17%	0.01%
Std Dev		0.002	0.013	0.01	288.91%	0.65%



IIL_5p5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	µA			
Max Limit	1			
Min Limit	-1			
LL		-1.00	-1.00	-1.00
Min		0.00	-0.05	0.00
Average		0.00	-0.01	0.00
Max		0.01	0.00	0.00
UL		1.00	1.00	1.00

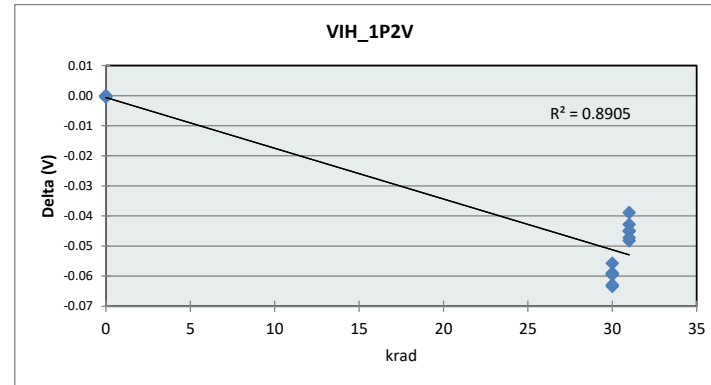


TID Report

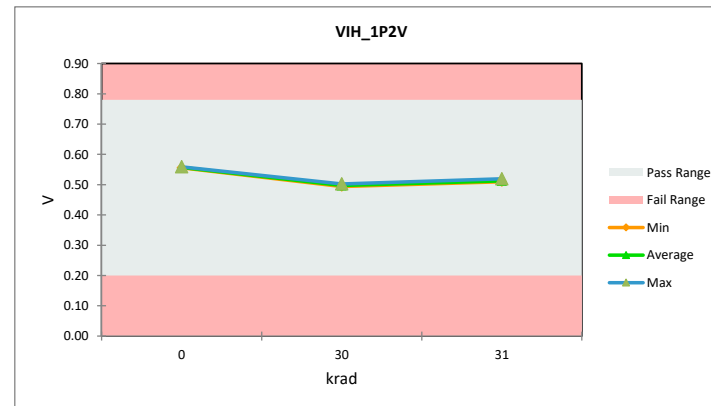
SN54SC6T06-SEP

VIH_1P2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.78
Min Limit	0.2

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.559	0.559	0.00	-0.03%	0.03%
0	2	0.556	0.556	0.00	-0.07%	0.07%
0	3	0.556	0.556	0.00	-0.05%	0.05%
0	4	0.558	0.558	0.00	0.01%	0.01%
30	5	0.558	0.494	-0.06	-11.36%	10.92%
30	6	0.558	0.502	-0.06	-9.98%	9.60%
30	7	0.558	0.499	-0.06	-10.57%	10.16%
30	8	0.557	0.498	-0.06	-10.65%	10.23%
30	9	0.556	0.497	-0.06	-10.70%	10.26%
30	10	0.557	0.494	-0.06	-11.29%	10.84%
31	11	0.558	0.509	-0.05	-8.64%	8.31%
31	12	0.558	0.519	-0.04	-6.97%	6.70%
31	13	0.558	0.515	-0.04	-7.67%	7.37%
31	14	0.557	0.512	-0.04	-8.05%	7.73%
31	15	0.556	0.511	-0.05	-8.10%	7.77%
31	16	0.557	0.509	-0.05	-8.48%	8.14%
Max		0.559	0.559	0.00	0.01%	10.92%
Average		0.557	0.518	-0.04	-7.04%	6.76%
Min		0.556	0.494	-0.06	-11.36%	0.01%
Std Dev		0.001	0.024	0.02	4.38%	4.20%



VIH_1P2V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.78			
Min Limit	0.2			
LL		0.20	0.20	0.20
Min		0.56	0.49	0.51
Average		0.56	0.50	0.51
Max		0.56	0.50	0.52
UL		0.78	0.78	0.78

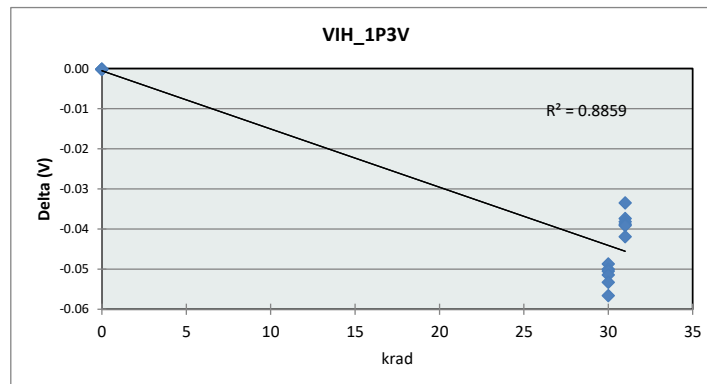


TID Report

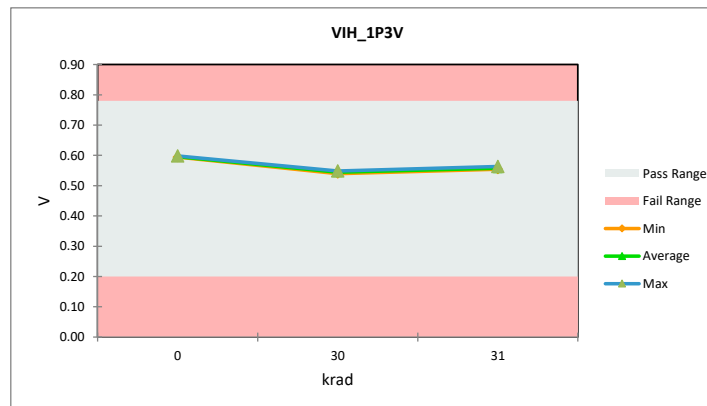
SN54SC6T06-SEP

VIH_1P3V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.78
Min Limit	0.2

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.598	0.598	0.00	-0.03%	0.03%
0	2	0.595	0.595	0.00	-0.03%	0.03%
0	3	0.594	0.594	0.00	-0.04%	0.04%
0	4	0.596	0.596	0.00	-0.04%	0.04%
30	5	0.596	0.540	-0.06	-9.49%	9.76%
30	6	0.597	0.548	-0.05	-8.16%	8.40%
30	7	0.596	0.546	-0.05	-8.38%	8.62%
30	8	0.596	0.545	-0.05	-8.47%	8.70%
30	9	0.595	0.544	-0.05	-8.64%	8.87%
30	10	0.595	0.542	-0.05	-8.95%	9.19%
31	11	0.596	0.554	-0.04	-7.03%	7.22%
31	12	0.597	0.564	-0.03	-5.61%	5.78%
31	13	0.596	0.559	-0.04	-6.26%	6.44%
31	14	0.596	0.558	-0.04	-6.41%	6.58%
31	15	0.595	0.556	-0.04	-6.52%	6.69%
31	16	0.595	0.556	-0.04	-6.57%	6.75%
Max		0.598	0.598	0.00	-0.03%	9.76%
Average		0.596	0.562	-0.03	-5.66%	5.82%
Min		0.594	0.540	-0.05	-9.49%	0.03%
Std Dev		0.001	0.021	0.02	3.53%	3.63%



VIH_1P3V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.78			
Min Limit	0.2			
LL		0.20	0.20	0.20
Min		0.59	0.54	0.55
Average		0.60	0.54	0.56
Max		0.60	0.55	0.56
UL		0.78	0.78	0.78

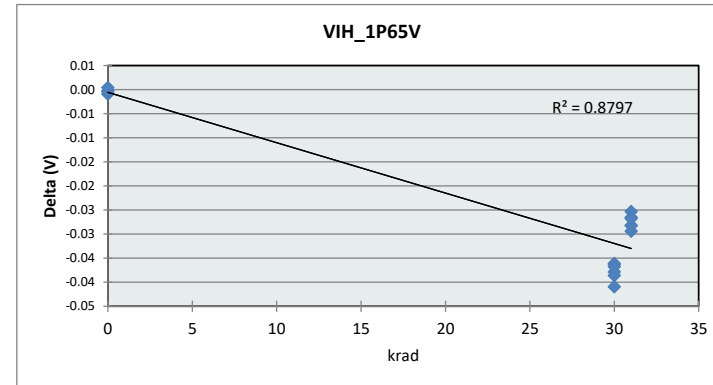


TID Report

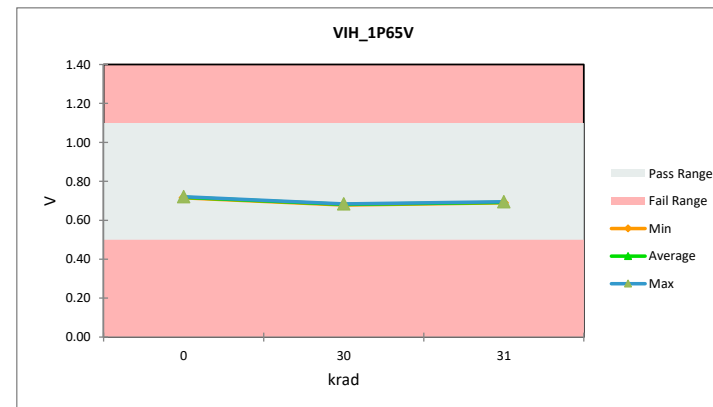
SN54SC6T06-SEP

VIH_1P65V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.1
Min Limit	0.5

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.722	0.721	0.00	-0.13%	0.16%
0	2	0.716	0.715	0.00	-0.04%	0.05%
0	3	0.717	0.716	0.00	-0.05%	0.06%
0	4	0.719	0.719	0.00	0.06%	0.07%
30	5	0.719	0.678	-0.04	-5.69%	6.82%
30	6	0.720	0.684	-0.04	-5.04%	6.05%
30	7	0.720	0.684	-0.04	-5.01%	6.01%
30	8	0.719	0.681	-0.04	-5.26%	6.31%
30	9	0.719	0.680	-0.04	-5.37%	6.43%
30	10	0.718	0.681	-0.04	-5.12%	6.13%
31	11	0.719	0.690	-0.03	-4.08%	4.90%
31	12	0.720	0.695	-0.03	-3.52%	4.22%
31	13	0.720	0.693	-0.03	-3.69%	4.42%
31	14	0.719	0.691	-0.03	-3.93%	4.71%
31	15	0.719	0.691	-0.03	-3.92%	4.70%
31	16	0.718	0.691	-0.03	-3.73%	4.46%
Max		0.722	0.721	0.00	0.06%	6.82%
Average		0.719	0.694	-0.02	-3.41%	4.09%
Min		0.716	0.678	-0.04	-5.69%	0.05%
Std Dev		0.001	0.015	0.01	2.12%	2.52%



VIH_1P65V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.1			
Min Limit	0.5			
LL		0.50	0.50	0.50
Min		0.72	0.68	0.69
Average		0.72	0.68	0.69
Max		0.72	0.68	0.69
UL		1.10	1.10	1.10

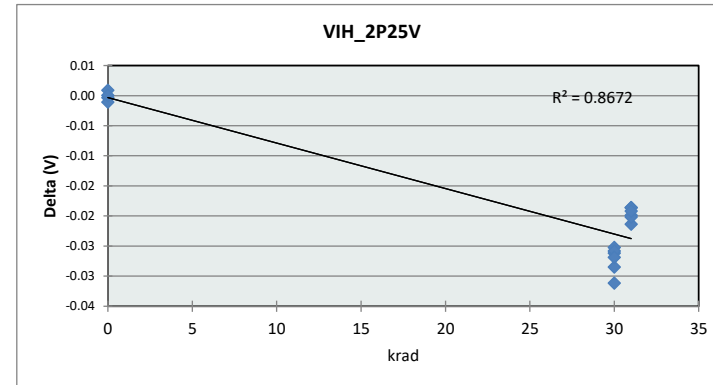


TID Report

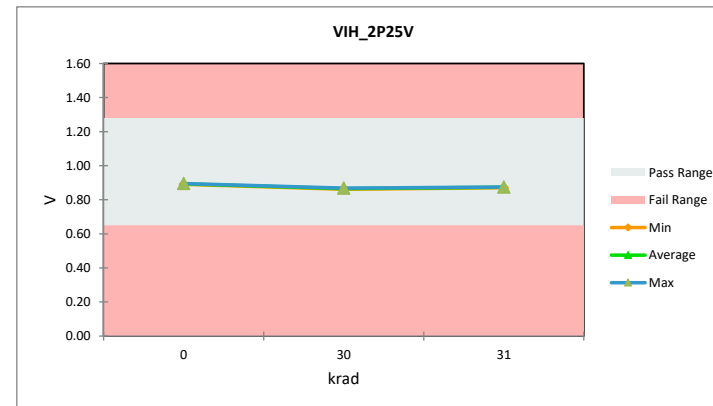
SN54SC6T06-SEP

VIH_2P25V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.28
Min Limit	0.65

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.896	0.895	0.00	-0.04%	0.05%
0	2	0.893	0.892	0.00	-0.12%	0.17%
0	3	0.890	0.891	0.00	0.10%	0.14%
0	4	0.895	0.895	0.00	0.00%	0.01%
30	5	0.893	0.862	-0.03	-3.49%	4.94%
30	6	0.893	0.868	-0.03	-2.82%	4.00%
30	7	0.895	0.868	-0.03	-2.92%	4.15%
30	8	0.891	0.865	-0.03	-2.90%	4.10%
30	9	0.893	0.864	-0.03	-3.19%	4.52%
30	10	0.892	0.865	-0.03	-3.01%	4.26%
31	11	0.893	0.872	-0.02	-2.39%	3.39%
31	12	0.893	0.875	-0.02	-2.08%	2.95%
31	13	0.895	0.875	-0.02	-2.22%	3.16%
31	14	0.891	0.872	-0.02	-2.09%	2.95%
31	15	0.893	0.873	-0.02	-2.26%	3.20%
31	16	0.892	0.873	-0.02	-2.15%	3.04%
Max		0.896	0.895	0.00	0.10%	4.94%
Average		0.893	0.875	-0.02	-1.97%	2.81%
Min		0.890	0.862	-0.03	-3.49%	0.01%
Std Dev		0.002	0.012	0.01	1.24%	1.73%



VIH_2P25V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.28			
Min Limit	0.65			
LL		0.65	0.65	0.65
Min		0.89	0.86	0.87
Average		0.89	0.87	0.87
Max		0.90	0.87	0.87
UL		1.28	1.28	1.28

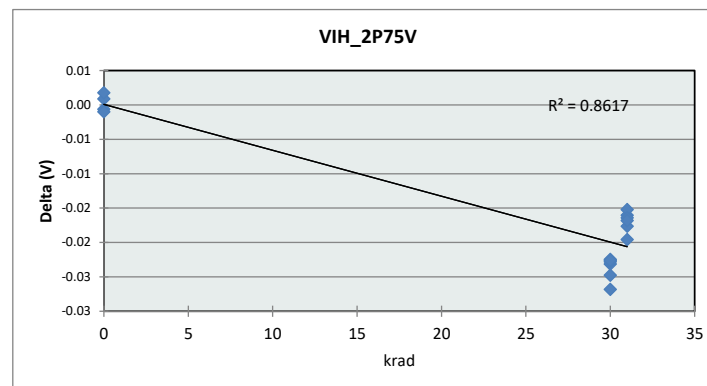


TID Report

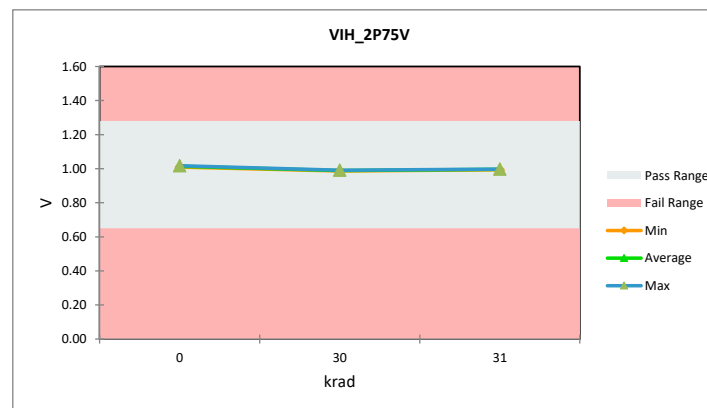
SN54SC6T06-SEP

VIH_2P75V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.28
Min Limit	0.65

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.017	1.018	0.00	0.09%	0.14%
0	2	1.015	1.014	0.00	-0.06%	0.10%
0	3	1.011	1.010	0.00	-0.10%	0.16%
0	4	1.014	1.016	0.00	0.18%	0.28%
30	5	1.013	0.990	-0.02	-2.28%	3.67%
30	6	1.013	0.991	-0.02	-2.22%	3.56%
30	7	1.014	0.991	-0.02	-2.25%	3.62%
30	8	1.011	0.987	-0.02	-2.45%	3.93%
30	9	1.014	0.987	-0.03	-2.64%	4.25%
30	10	1.013	0.990	-0.02	-2.23%	3.59%
31	11	1.013	0.997	-0.02	-1.58%	2.54%
31	12	1.013	0.998	-0.02	-1.50%	2.41%
31	13	1.014	0.998	-0.02	-1.62%	2.60%
31	14	1.011	0.994	-0.02	-1.74%	2.80%
31	15	1.014	0.994	-0.02	-1.93%	3.10%
31	16	1.013	0.996	-0.02	-1.66%	2.67%
Max		1.017	1.018	0.00	0.18%	4.25%
Average		1.013	0.998	-0.02	-1.50%	2.46%
Min		1.011	0.987	-0.02	-2.64%	0.10%
Std Dev		0.001	0.010	0.01	0.97%	1.47%



VIH_2P75V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.28			
Min Limit	0.65			
LL		0.65	0.65	0.65
Min		1.01	0.99	0.99
Average		1.01	0.99	1.00
Max		1.02	0.99	1.00
UL		1.28	1.28	1.28

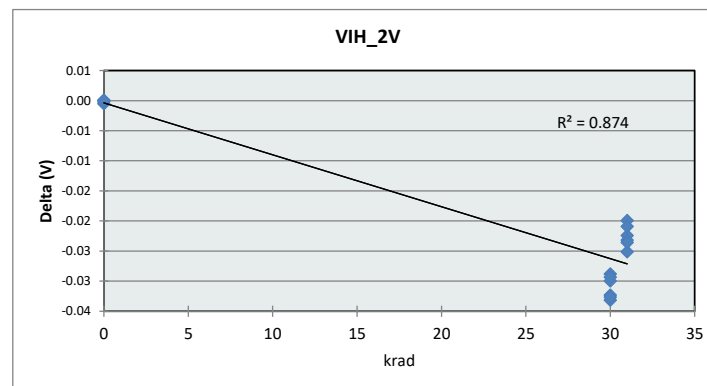


TID Report

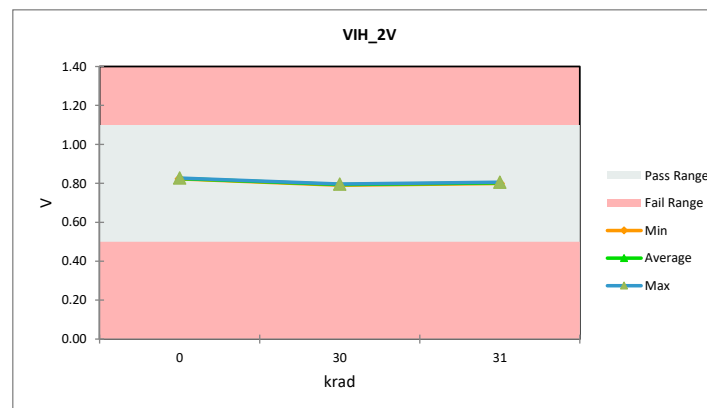
SN54SC6T06-SEP

VIH_2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.1
Min Limit	0.5

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.827	0.827	0.00	0.01%	0.01%
0	2	0.824	0.823	0.00	-0.06%	0.08%
0	3	0.823	0.823	0.00	-0.02%	0.03%
0	4	0.825	0.825	0.00	0.00%	0.01%
30	5	0.824	0.792	-0.03	-3.92%	5.38%
30	6	0.825	0.796	-0.03	-3.49%	4.80%
30	7	0.826	0.796	-0.03	-3.63%	4.99%
30	8	0.823	0.790	-0.03	-4.03%	5.52%
30	9	0.825	0.792	-0.03	-3.96%	5.44%
30	10	0.824	0.794	-0.03	-3.56%	4.89%
31	11	0.824	0.799	-0.03	-3.05%	4.18%
31	12	0.825	0.805	-0.02	-2.41%	3.32%
31	13	0.826	0.804	-0.02	-2.71%	3.74%
31	14	0.823	0.800	-0.02	-2.81%	3.86%
31	15	0.825	0.801	-0.02	-2.86%	3.93%
31	16	0.824	0.803	-0.02	-2.54%	3.48%
Max		0.827	0.827	0.00	0.01%	5.52%
Average		0.825	0.804	-0.02	-2.44%	3.35%
Min		0.823	0.790	-0.03	-4.03%	0.01%
Std Dev		0.001	0.013	0.01	1.53%	2.10%



VIH_2V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.1			
Min Limit	0.5			
LL		0.50	0.50	0.50
Min		0.82	0.79	0.80
Average		0.82	0.79	0.80
Max		0.83	0.80	0.81
UL		1.10	1.10	1.10

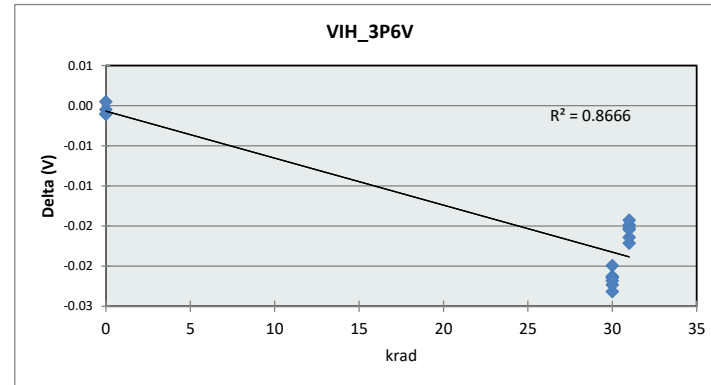


TID Report

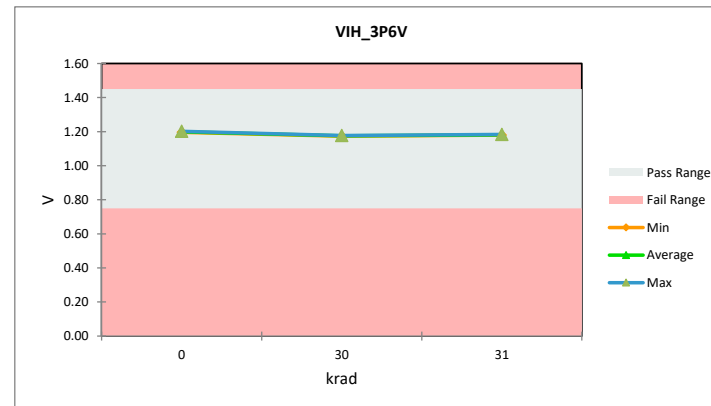
SN54SC6T06-SEP

VIH_3P6V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.45
Min Limit	0.75

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.203	1.202	0.00	-0.09%	0.15%
0	2	1.199	1.199	0.00	-0.04%	0.07%
0	3	1.196	1.196	0.00	0.04%	0.07%
0	4	1.200	1.199	0.00	-0.09%	0.15%
30	5	1.196	1.176	-0.02	-1.67%	2.85%
30	6	1.198	1.177	-0.02	-1.78%	3.04%
30	7	1.198	1.176	-0.02	-1.79%	3.06%
30	8	1.197	1.173	-0.02	-1.94%	3.31%
30	9	1.197	1.175	-0.02	-1.86%	3.19%
30	10	1.197	1.175	-0.02	-1.82%	3.12%
31	11	1.196	1.181	-0.02	-1.27%	2.18%
31	12	1.198	1.184	-0.01	-1.24%	2.12%
31	13	1.198	1.183	-0.01	-1.19%	2.04%
31	14	1.197	1.179	-0.02	-1.43%	2.45%
31	15	1.197	1.181	-0.02	-1.37%	2.34%
31	16	1.197	1.182	-0.02	-1.29%	2.20%
Max		1.203	1.202	0.00	0.04%	3.31%
Average		1.198	1.184	-0.01	-1.18%	2.02%
Min		1.196	1.173	-0.02	-1.94%	0.07%
Std Dev		0.002	0.010	0.01	0.72%	1.21%



VIH_3P6V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.45			
Min Limit	0.75			
krad		0	30	31
LL		0.75	0.75	0.75
Min		1.20	1.17	1.18
Average		1.20	1.18	1.18
Max		1.20	1.18	1.18
UL		1.45	1.45	1.45

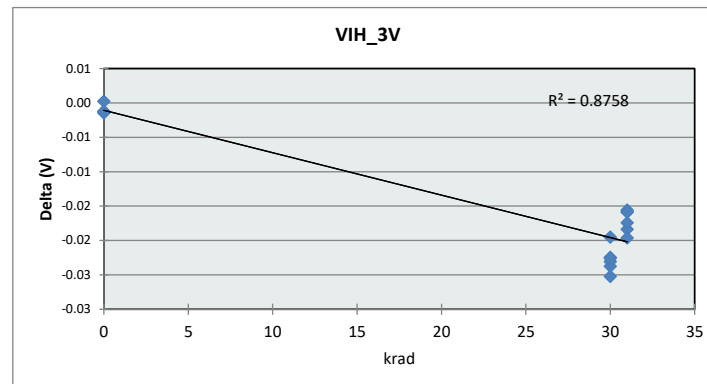


TID Report

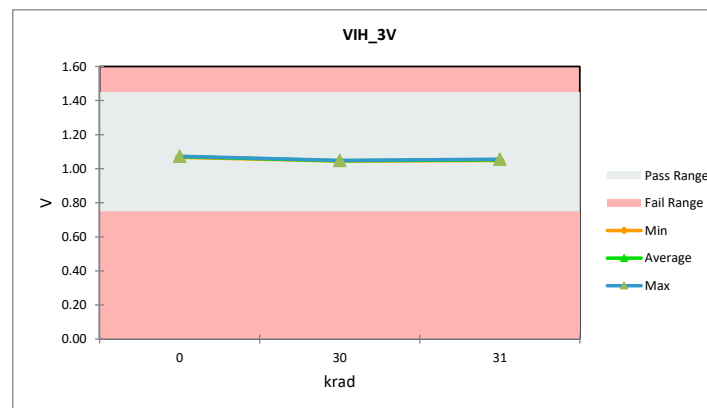
SN54SC6T06-SEP

VIH_3V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.45
Min Limit	0.75

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.075	1.073	0.00	-0.13%	0.21%
0	2	1.073	1.072	0.00	-0.11%	0.17%
0	3	1.067	1.067	0.00	0.02%	0.03%
0	4	1.072	1.071	0.00	-0.12%	0.18%
30	5	1.070	1.046	-0.02	-2.22%	3.39%
30	6	1.071	1.048	-0.02	-2.10%	3.21%
30	7	1.072	1.049	-0.02	-2.15%	3.29%
30	8	1.064	1.045	-0.02	-1.83%	2.79%
30	9	1.071	1.046	-0.03	-2.35%	3.60%
30	10	1.069	1.046	-0.02	-2.11%	3.22%
31	11	1.070	1.051	-0.02	-1.72%	2.63%
31	12	1.071	1.055	-0.02	-1.45%	2.22%
31	13	1.072	1.054	-0.02	-1.63%	2.49%
31	14	1.064	1.049	-0.02	-1.49%	2.27%
31	15	1.071	1.052	-0.02	-1.83%	2.80%
31	16	1.069	1.053	-0.02	-1.48%	2.26%
Max		1.075	1.073	0.00	0.02%	3.60%
Average		1.070	1.055	-0.02	-1.42%	2.17%
Min		1.064	1.045	-0.02	-2.35%	0.03%
Std Dev		0.003	0.010	0.01	0.84%	1.28%



VIH_3V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.45			
Min Limit	0.75			
LL		0.75	0.75	0.75
Min		1.07	1.04	1.05
Average		1.07	1.05	1.05
Max		1.07	1.05	1.06
UL		1.45	1.45	1.45

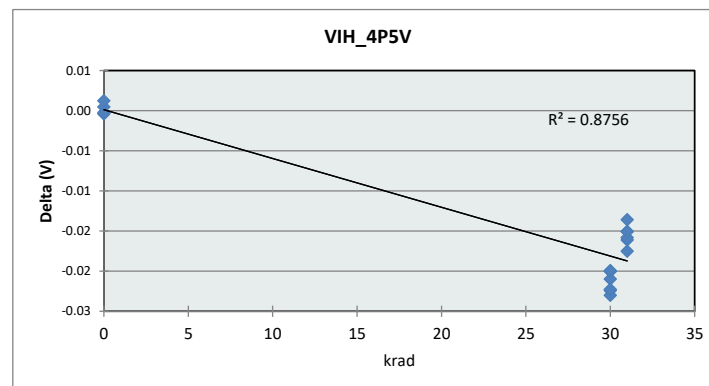


TID Report

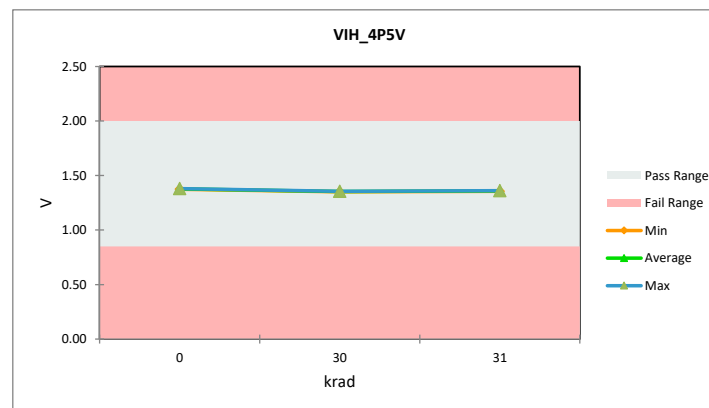
SN54SC6T06-SEP

VIH_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	2
Min Limit	0.85

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.380	1.380	0.00	-0.03%	0.03%
0	2	1.378	1.378	0.00	0.03%	0.04%
0	3	1.374	1.374	0.00	-0.02%	0.02%
0	4	1.377	1.378	0.00	0.09%	0.11%
30	5	1.375	1.354	-0.02	-1.53%	1.82%
30	6	1.375	1.355	-0.02	-1.46%	1.74%
30	7	1.375	1.355	-0.02	-1.45%	1.73%
30	8	1.373	1.351	-0.02	-1.63%	1.95%
30	9	1.376	1.353	-0.02	-1.67%	2.00%
30	10	1.375	1.353	-0.02	-1.62%	1.94%
31	11	1.375	1.359	-0.02	-1.17%	1.40%
31	12	1.375	1.361	-0.01	-0.99%	1.18%
31	13	1.375	1.360	-0.02	-1.10%	1.31%
31	14	1.373	1.356	-0.02	-1.27%	1.52%
31	15	1.376	1.360	-0.02	-1.15%	1.38%
31	16	1.375	1.360	-0.02	-1.10%	1.31%
Max		1.380	1.380	0.00	0.09%	2.00%
Average		1.375	1.362	-0.01	-1.00%	1.22%
Min		1.373	1.351	-0.02	-1.67%	0.02%
Std Dev		0.002	0.010	0.01	0.64%	0.74%



VIH_4P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	2			
Min Limit	0.85			
LL		0.85	0.85	0.85
Min		1.37	1.35	1.36
Average		1.38	1.35	1.36
Max		1.38	1.36	1.36
UL		2.00	2.00	2.00

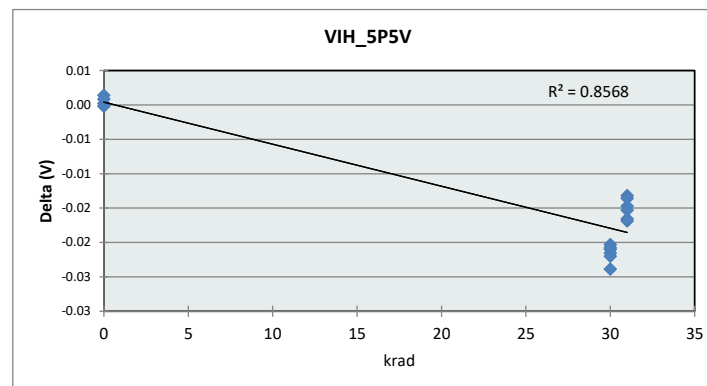


TID Report

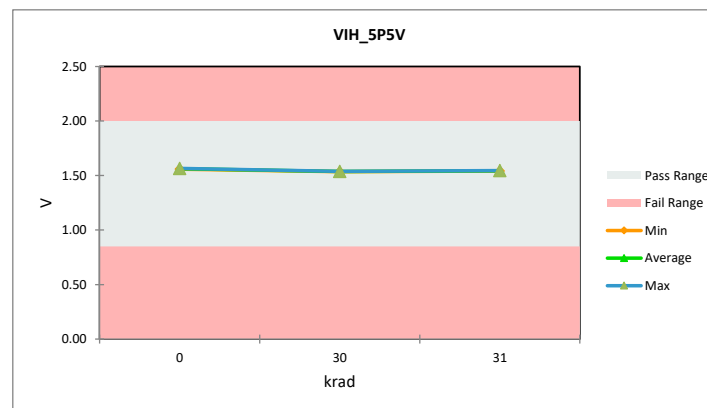
SN54SC6T06-SEP

VIH_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	2
Min Limit	0.85

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.566	1.565	0.00	-0.01%	0.02%
0	2	1.562	1.564	0.00	0.09%	0.12%
0	3	1.558	1.558	0.00	0.01%	0.02%
0	4	1.562	1.563	0.00	0.05%	0.07%
30	5	1.559	1.538	-0.02	-1.34%	1.82%
30	6	1.559	1.538	-0.02	-1.30%	1.77%
30	7	1.559	1.538	-0.02	-1.38%	1.87%
30	8	1.556	1.535	-0.02	-1.33%	1.80%
30	9	1.559	1.536	-0.02	-1.53%	2.07%
30	10	1.560	1.538	-0.02	-1.41%	1.91%
31	11	1.559	1.542	-0.02	-1.08%	1.47%
31	12	1.559	1.545	-0.01	-0.85%	1.15%
31	13	1.559	1.544	-0.01	-0.94%	1.28%
31	14	1.556	1.542	-0.01	-0.87%	1.18%
31	15	1.559	1.544	-0.02	-0.98%	1.33%
31	16	1.560	1.543	-0.02	-1.06%	1.44%
Max		1.566	1.565	0.00	0.09%	2.07%
Average		1.559	1.546	-0.01	-0.87%	1.21%
Min		1.556	1.535	-0.02	-1.53%	0.02%
Std Dev		0.002	0.011	0.01	0.58%	0.74%



VIH_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	2			
Min Limit	0.85			
LL		0.85	0.85	0.85
Min		1.56	1.54	1.54
Average		1.56	1.54	1.54
Max		1.57	1.54	1.55
UL		2.00	2.00	2.00

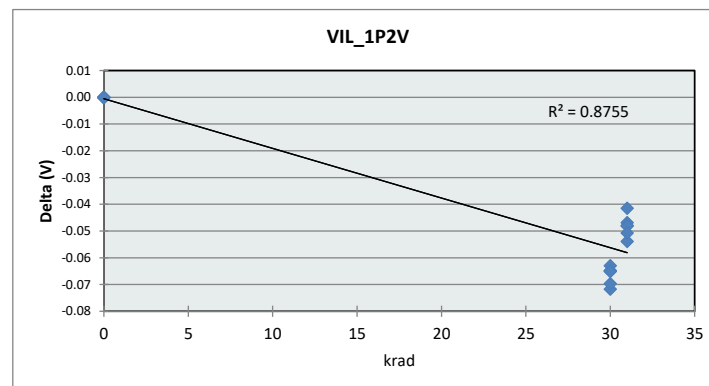


TID Report

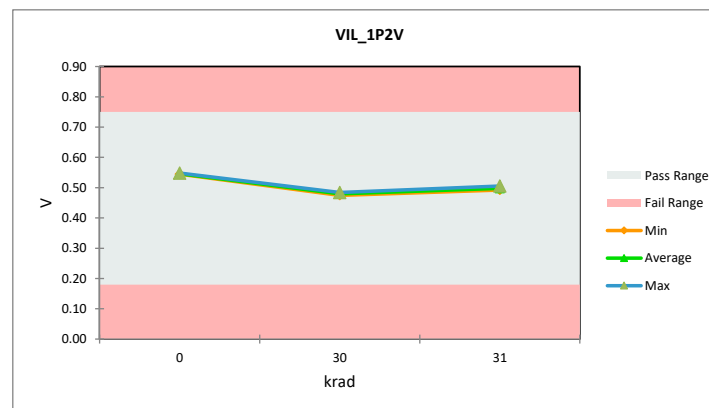
SN54SC6T06-SEP

VIL_1P2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.75
Min Limit	0.18

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.548	0.548	0.00	-0.03%	0.03%
0	2	0.545	0.545	0.00	0.03%	0.02%
0	3	0.545	0.544	0.00	-0.02%	0.02%
0	4	0.546	0.546	0.00	-0.01%	0.01%
30	5	0.546	0.474	-0.07	-13.13%	12.58%
30	6	0.547	0.484	-0.06	-11.51%	11.05%
30	7	0.547	0.482	-0.06	-11.84%	11.36%
30	8	0.546	0.481	-0.06	-11.89%	11.38%
30	9	0.545	0.480	-0.07	-11.95%	11.42%
30	10	0.545	0.475	-0.07	-12.78%	12.23%
31	11	0.546	0.492	-0.05	-9.86%	9.45%
31	12	0.547	0.506	-0.04	-7.58%	7.27%
31	13	0.547	0.500	-0.05	-8.57%	8.22%
31	14	0.546	0.498	-0.05	-8.79%	8.41%
31	15	0.545	0.497	-0.05	-8.83%	8.44%
31	16	0.545	0.494	-0.05	-9.30%	8.90%
Max		0.548	0.548	0.00	0.03%	12.58%
Average		0.546	0.503	-0.04	-7.88%	7.55%
Min		0.545	0.474	-0.07	-13.13%	0.01%
Std Dev		0.001	0.027	0.03	4.96%	4.75%



VIL_1P2V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.75			
Min Limit	0.18			
LL		0.18	0.18	0.18
Min		0.54	0.47	0.49
Average		0.55	0.48	0.50
Max		0.55	0.48	0.51
UL		0.75	0.75	0.75

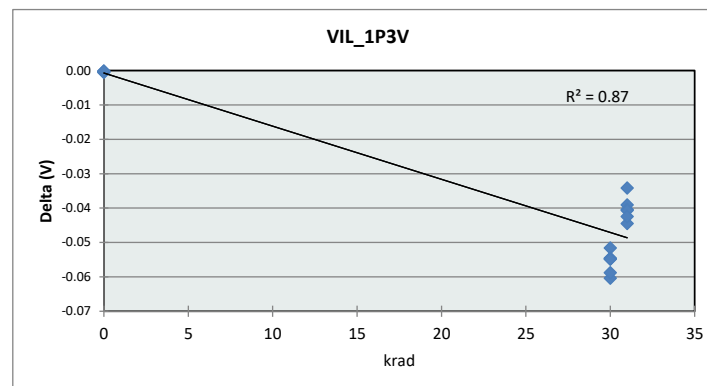


TID Report

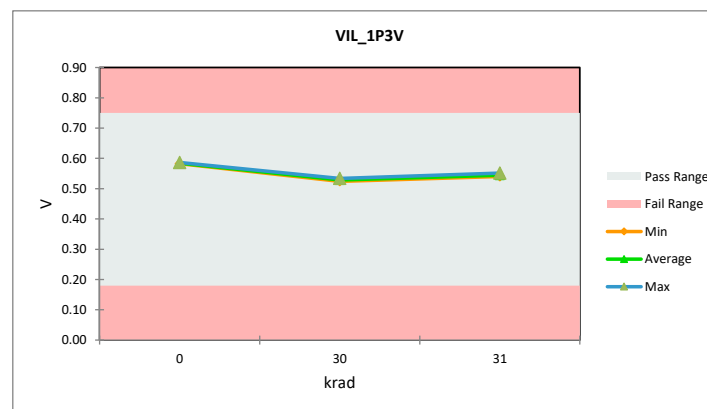
SN54SC6T06-SEP

VIL_1P3V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.75
Min Limit	0.18

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.587	0.586	0.00	-0.07%	0.07%
0	2	0.583	0.583	0.00	-0.09%	0.09%
0	3	0.583	0.582	0.00	-0.03%	0.03%
0	4	0.585	0.585	0.00	-0.02%	0.02%
30	5	0.584	0.524	-0.06	-10.33%	10.59%
30	6	0.585	0.534	-0.05	-8.82%	9.05%
30	7	0.585	0.531	-0.05	-9.32%	9.57%
30	8	0.584	0.530	-0.05	-9.36%	9.60%
30	9	0.583	0.528	-0.05	-9.41%	9.62%
30	10	0.584	0.525	-0.06	-10.07%	10.31%
31	11	0.584	0.540	-0.04	-7.61%	7.80%
31	12	0.585	0.551	-0.03	-5.83%	5.99%
31	13	0.585	0.546	-0.04	-6.67%	6.85%
31	14	0.584	0.544	-0.04	-6.92%	7.09%
31	15	0.583	0.542	-0.04	-6.98%	7.13%
31	16	0.584	0.541	-0.04	-7.27%	7.45%
Max		0.587	0.586	0.00	-0.02%	10.59%
Average		0.584	0.548	-0.04	-6.17%	6.33%
Min		0.583	0.524	-0.06	-10.33%	0.02%
Std Dev		0.001	0.023	0.02	3.87%	3.97%



VIL_1P3V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.75			
Min Limit	0.18			
LL		0.18	0.18	0.18
Min		0.58	0.52	0.54
Average		0.58	0.53	0.54
Max		0.59	0.53	0.55
UL		0.75	0.75	0.75

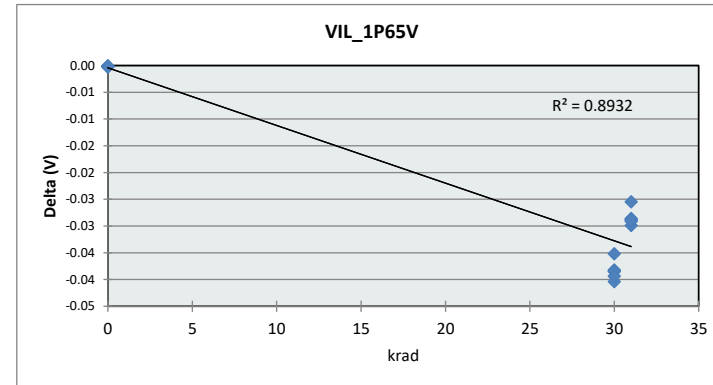


TID Report

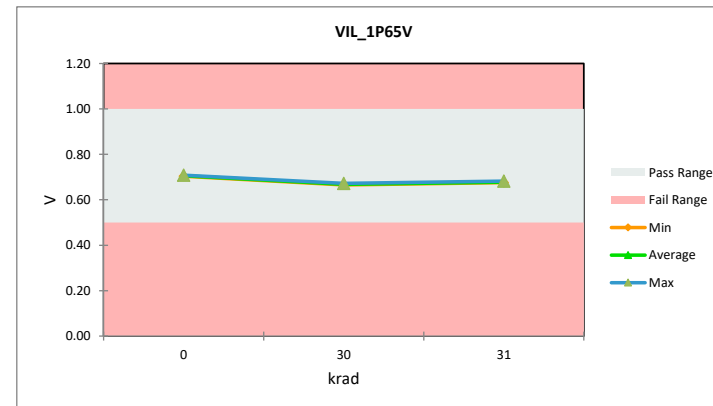
SN54SC6T06-SEP

VIL_1P65V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1
Min Limit	0.5

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.708	0.708	0.00	-0.01%	0.02%
0	2	0.705	0.705	0.00	-0.01%	0.02%
0	3	0.704	0.704	0.00	-0.02%	0.03%
0	4	0.707	0.707	0.00	-0.04%	0.06%
30	5	0.706	0.665	-0.04	-5.73%	8.08%
30	6	0.707	0.672	-0.04	-4.97%	7.03%
30	7	0.707	0.669	-0.04	-5.44%	7.70%
30	8	0.706	0.668	-0.04	-5.41%	7.64%
30	9	0.706	0.667	-0.04	-5.45%	7.69%
30	10	0.705	0.666	-0.04	-5.58%	7.87%
31	11	0.706	0.676	-0.03	-4.23%	5.97%
31	12	0.707	0.682	-0.03	-3.60%	5.09%
31	13	0.707	0.679	-0.03	-4.04%	5.72%
31	14	0.706	0.677	-0.03	-4.12%	5.82%
31	15	0.706	0.677	-0.03	-4.08%	5.76%
31	16	0.705	0.676	-0.03	-4.10%	5.79%
Max		0.708	0.708	0.00	-0.01%	8.08%
Average		0.706	0.681	-0.03	-3.55%	5.02%
Min		0.704	0.665	-0.04	-5.73%	0.02%
Std Dev		0.001	0.016	0.01	2.20%	3.11%



VIL_1P65V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1			
Min Limit	0.5			
LL		0.50	0.50	0.50
Min		0.70	0.67	0.68
Average		0.71	0.67	0.68
Max		0.71	0.67	0.68
UL		1.00	1.00	1.00

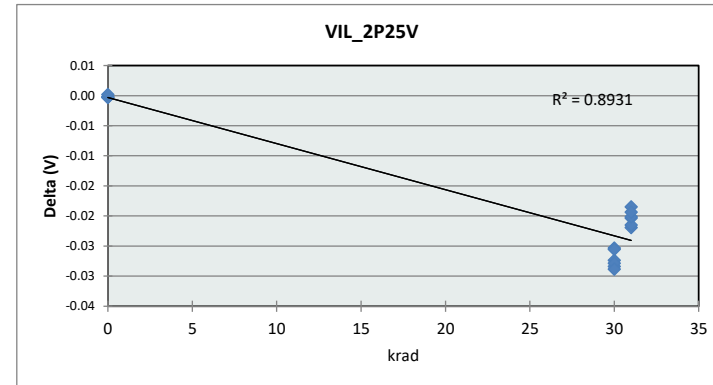


TID Report

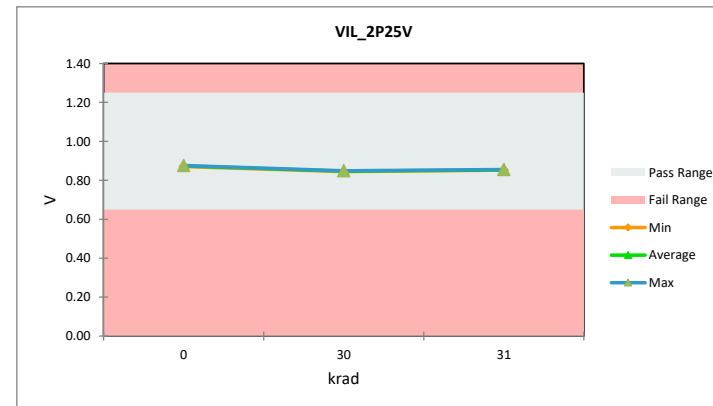
SN54SC6T06-SEP

VIL_2P25V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.25
Min Limit	0.65

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.876	0.876	0.00	-0.02%	0.03%
0	2	0.874	0.874	0.00	-0.03%	0.04%
0	3	0.871	0.871	0.00	-0.03%	0.05%
0	4	0.875	0.875	0.00	0.02%	0.04%
30	5	0.874	0.846	-0.03	-3.25%	4.73%
30	6	0.874	0.848	-0.03	-2.90%	4.22%
30	7	0.876	0.849	-0.03	-3.12%	4.56%
30	8	0.874	0.846	-0.03	-3.19%	4.64%
30	9	0.874	0.845	-0.03	-3.30%	4.80%
30	10	0.872	0.847	-0.03	-2.93%	4.25%
31	11	0.874	0.854	-0.02	-2.33%	3.39%
31	12	0.874	0.855	-0.02	-2.12%	3.08%
31	13	0.876	0.854	-0.02	-2.50%	3.65%
31	14	0.874	0.852	-0.02	-2.46%	3.58%
31	15	0.874	0.854	-0.02	-2.30%	3.35%
31	16	0.872	0.853	-0.02	-2.22%	3.23%
Max		0.876	0.876	0.00	0.02%	4.80%
Average		0.874	0.856	-0.02	-2.04%	2.98%
Min		0.871	0.845	-0.03	-3.30%	0.03%
Std Dev		0.001	0.011	0.01	1.27%	1.84%



VIL_2P25V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.25			
Min Limit	0.65			
LL		0.65	0.65	0.65
Min		0.87	0.84	0.85
Average		0.87	0.85	0.85
Max		0.88	0.85	0.86
UL		1.25	1.25	1.25

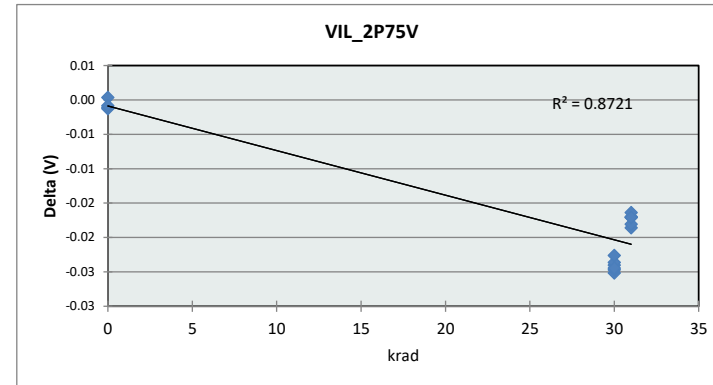


TID Report

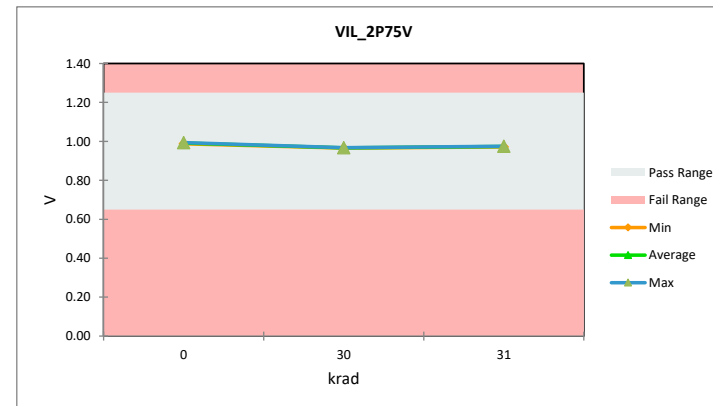
SN54SC6T06-SEP

VIL_2P75V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.25
Min Limit	0.65

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.993	0.994	0.00	0.04%	0.06%
0	2	0.993	0.992	0.00	-0.13%	0.21%
0	3	0.989	0.988	0.00	-0.11%	0.18%
0	4	0.993	0.992	0.00	-0.08%	0.14%
30	5	0.991	0.967	-0.02	-2.42%	4.00%
30	6	0.991	0.967	-0.02	-2.38%	3.94%
30	7	0.993	0.968	-0.03	-2.53%	4.19%
30	8	0.991	0.966	-0.02	-2.49%	4.11%
30	9	0.990	0.966	-0.02	-2.47%	4.07%
30	10	0.989	0.967	-0.02	-2.28%	3.77%
31	11	0.991	0.974	-0.02	-1.71%	2.83%
31	12	0.991	0.974	-0.02	-1.72%	2.85%
31	13	0.993	0.974	-0.02	-1.87%	3.10%
31	14	0.991	0.975	-0.02	-1.65%	2.73%
31	15	0.990	0.972	-0.02	-1.82%	3.01%
31	16	0.989	0.972	-0.02	-1.73%	2.85%
Max		0.993	0.994	0.00	0.04%	4.19%
Average		0.991	0.975	-0.02	-1.59%	2.63%
Min		0.989	0.966	-0.02	-2.53%	0.06%
Std Dev		0.001	0.010	0.01	0.96%	1.57%



VIL_2P75V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.25			
Min Limit	0.65			
LL		0.65	0.65	0.65
Min		0.99	0.97	0.97
Average		0.99	0.97	0.97
Max		0.99	0.97	0.97
UL		1.25	1.25	1.25

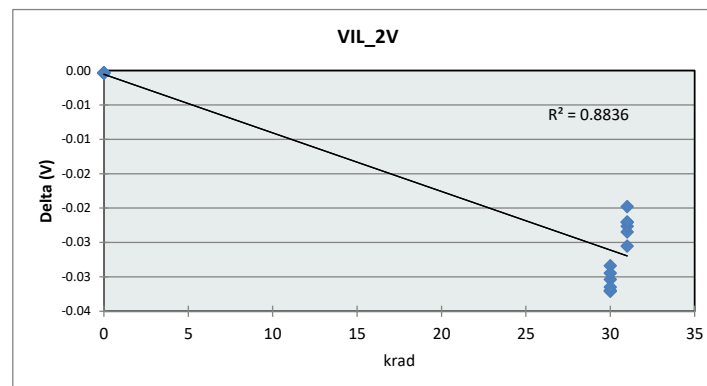


TID Report

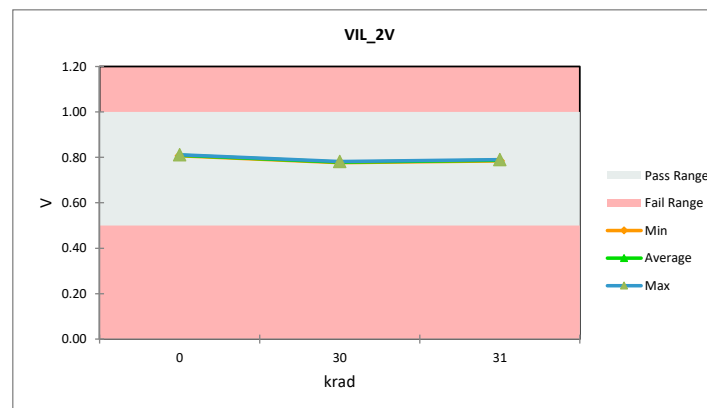
SN54SC6T06-SEP

VIL_2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1
Min Limit	0.5

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.812	0.812	0.00	-0.04%	0.06%
0	2	0.810	0.809	0.00	-0.04%	0.07%
0	3	0.807	0.807	0.00	-0.05%	0.08%
0	4	0.809	0.809	0.00	-0.04%	0.06%
30	5	0.810	0.778	-0.03	-3.96%	6.42%
30	6	0.810	0.782	-0.03	-3.50%	5.68%
30	7	0.811	0.781	-0.03	-3.74%	6.08%
30	8	0.809	0.777	-0.03	-3.95%	6.40%
30	9	0.809	0.778	-0.03	-3.89%	6.29%
30	10	0.808	0.779	-0.03	-3.64%	5.89%
31	11	0.810	0.784	-0.03	-3.15%	5.10%
31	12	0.810	0.790	-0.02	-2.44%	3.96%
31	13	0.811	0.788	-0.02	-2.89%	4.69%
31	14	0.809	0.786	-0.02	-2.80%	4.53%
31	15	0.809	0.787	-0.02	-2.72%	4.41%
31	16	0.808	0.786	-0.02	-2.72%	4.40%
Max		0.812	0.812	0.00	-0.04%	6.42%
Average		0.810	0.790	-0.02	-2.47%	4.01%
Min		0.807	0.777	-0.03	-3.96%	0.06%
Std Dev		0.001	0.012	0.01	1.53%	2.47%



VIL_2V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1			
Min Limit	0.5			
LL		0.50	0.50	0.50
Min		0.81	0.78	0.78
Average		0.81	0.78	0.79
Max		0.81	0.78	0.79
UL		1.00	1.00	1.00

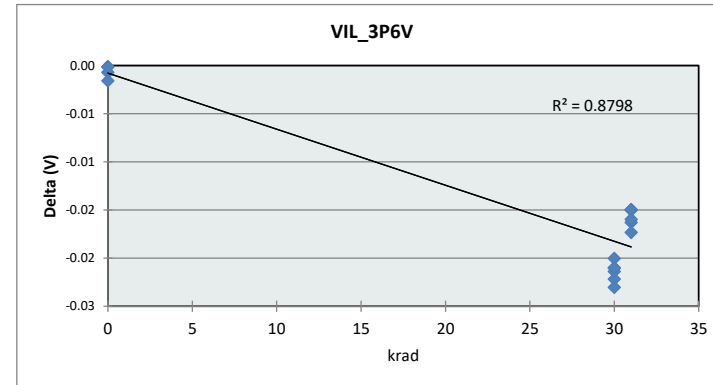


TID Report

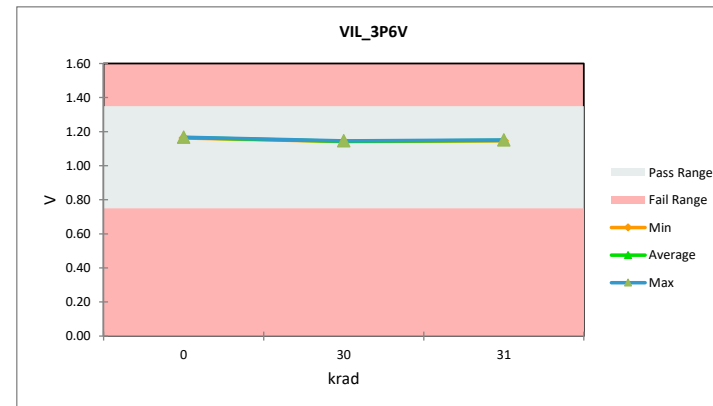
SN54SC6T06-SEP

VIL_3P6V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.35
Min Limit	0.75

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.168	1.167	0.00	-0.06%	0.12%
0	2	1.167	1.167	0.00	-0.01%	0.02%
0	3	1.163	1.163	0.00	-0.01%	0.02%
0	4	1.166	1.164	0.00	-0.14%	0.26%
30	5	1.166	1.144	-0.02	-1.90%	3.69%
30	6	1.164	1.143	-0.02	-1.81%	3.50%
30	7	1.166	1.146	-0.02	-1.72%	3.34%
30	8	1.165	1.142	-0.02	-1.98%	3.84%
30	9	1.164	1.143	-0.02	-1.84%	3.56%
30	10	1.163	1.142	-0.02	-1.81%	3.50%
31	11	1.166	1.150	-0.02	-1.40%	2.71%
31	12	1.164	1.149	-0.02	-1.29%	2.50%
31	13	1.166	1.151	-0.01	-1.28%	2.49%
31	14	1.165	1.150	-0.01	-1.29%	2.50%
31	15	1.164	1.147	-0.02	-1.49%	2.89%
31	16	1.163	1.147	-0.02	-1.37%	2.66%
Max		1.168	1.167	0.00	-0.01%	3.84%
Average		1.165	1.151	-0.01	-1.21%	2.35%
Min		1.163	1.142	-0.02	-1.98%	0.02%
Std Dev		0.002	0.009	0.01	0.73%	1.41%



VIL_3P6V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.35			
Min Limit	0.75			
LL		0.75	0.75	0.75
Min		1.16	1.14	1.15
Average		1.17	1.14	1.15
Max		1.17	1.15	1.15
UL		1.35	1.35	1.35

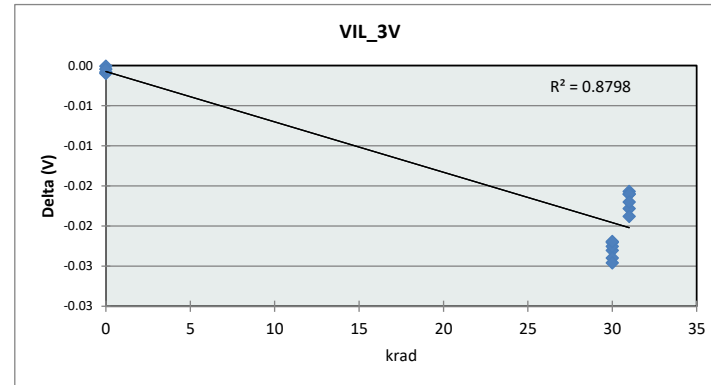


TID Report

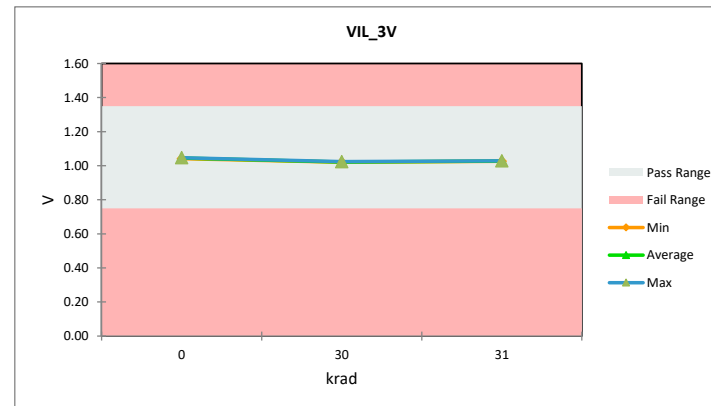
SN54SC6T06-SEP

VIL_3V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.35
Min Limit	0.75

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.048	1.047	0.00	-0.08%	0.14%
0	2	1.047	1.047	0.00	-0.01%	0.01%
0	3	1.043	1.042	0.00	-0.09%	0.16%
0	4	1.045	1.045	0.00	-0.04%	0.07%
30	5	1.045	1.022	-0.02	-2.20%	3.84%
30	6	1.044	1.022	-0.02	-2.11%	3.67%
30	7	1.047	1.024	-0.02	-2.15%	3.75%
30	8	1.045	1.021	-0.02	-2.29%	3.99%
30	9	1.045	1.021	-0.02	-2.35%	4.10%
30	10	1.043	1.021	-0.02	-2.10%	3.66%
31	11	1.045	1.029	-0.02	-1.50%	2.61%
31	12	1.044	1.028	-0.02	-1.54%	2.67%
31	13	1.047	1.029	-0.02	-1.70%	2.97%
31	14	1.045	1.029	-0.02	-1.53%	2.67%
31	15	1.045	1.026	-0.02	-1.80%	3.13%
31	16	1.043	1.026	-0.02	-1.63%	2.84%
Max		1.048	1.047	0.00	-0.01%	4.10%
Average		1.045	1.030	-0.02	-1.45%	2.52%
Min		1.043	1.021	-0.02	-2.35%	0.01%
Std Dev		0.001	0.010	0.01	0.87%	1.52%



VIL_3V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.35			
Min Limit	0.75			
LL		0.75	0.75	0.75
Min		1.04	1.02	1.03
Average		1.05	1.02	1.03
Max		1.05	1.02	1.03
UL		1.35	1.35	1.35

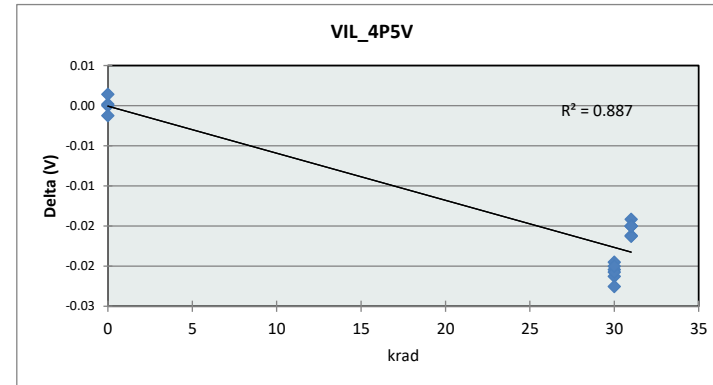


TID Report

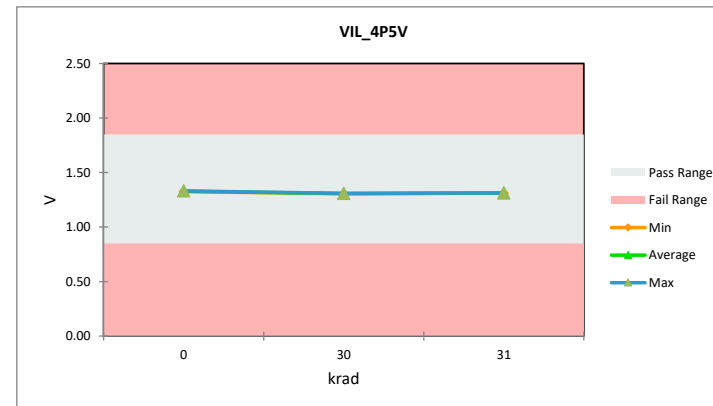
SN54SC6T06-SEP

VIL_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.85
Min Limit	0.85

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.331	1.331	0.00	0.01%	0.02%
0	2	1.330	1.330	0.00	0.00%	0.00%
0	3	1.326	1.325	0.00	-0.09%	0.12%
0	4	1.327	1.329	0.00	0.11%	0.14%
30	5	1.329	1.307	-0.02	-1.60%	2.13%
30	6	1.326	1.306	-0.02	-1.54%	2.04%
30	7	1.329	1.309	-0.02	-1.47%	1.95%
30	8	1.329	1.306	-0.02	-1.70%	2.25%
30	9	1.326	1.305	-0.02	-1.56%	2.07%
30	10	1.326	1.306	-0.02	-1.51%	2.00%
31	11	1.329	1.314	-0.02	-1.13%	1.50%
31	12	1.326	1.312	-0.01	-1.07%	1.42%
31	13	1.329	1.312	-0.02	-1.22%	1.62%
31	14	1.329	1.312	-0.02	-1.22%	1.63%
31	15	1.326	1.311	-0.02	-1.13%	1.50%
31	16	1.326	1.311	-0.02	-1.13%	1.50%
Max		1.331	1.331	0.00	0.11%	2.25%
Average		1.328	1.314	-0.01	-1.02%	1.37%
Min		1.326	1.305	-0.02	-1.70%	0.00%
Std Dev		0.002	0.009	0.01	0.64%	0.82%



VIL_4P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.85			
Min Limit	0.85			
LL		0.85	0.85	0.85
Min		1.32	1.31	1.31
Average		1.33	1.31	1.31
Max		1.33	1.31	1.31
UL		1.85	1.85	1.85

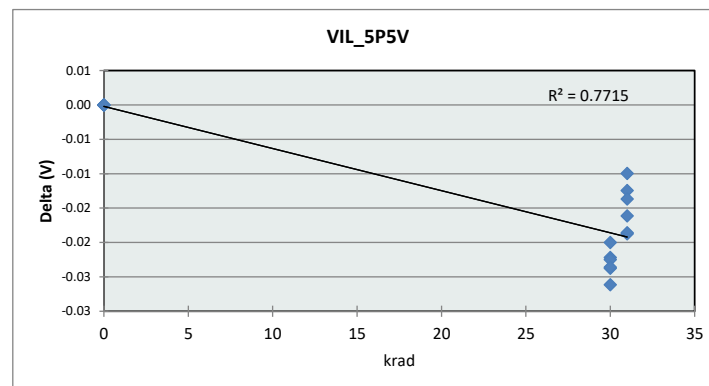


TID Report

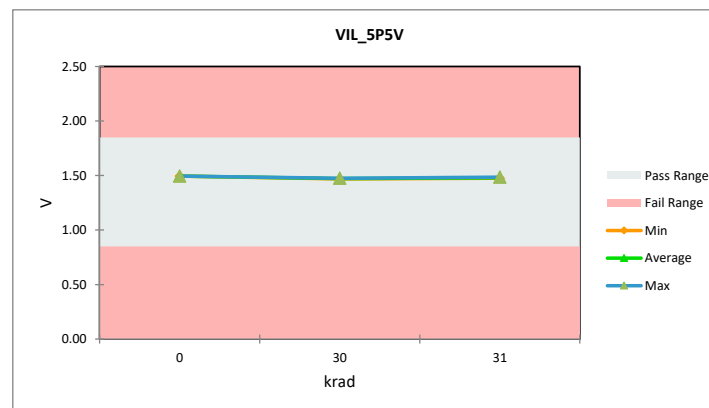
SN54SC6T06-SEP

VIL_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	1.85
Min Limit	0.85

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.495	1.495	0.00	0.00%	0.00%
0	2	1.495	1.495	0.00	0.00%	0.00%
0	3	1.495	1.495	0.00	0.00%	0.00%
0	4	1.495	1.495	0.00	0.00%	0.00%
30	5	1.495	1.473	-0.02	-1.48%	2.22%
30	6	1.495	1.471	-0.02	-1.59%	2.37%
30	7	1.495	1.475	-0.02	-1.34%	2.00%
30	8	1.495	1.472	-0.02	-1.50%	2.25%
30	9	1.495	1.469	-0.03	-1.75%	2.61%
30	10	1.495	1.471	-0.02	-1.58%	2.36%
31	11	1.495	1.479	-0.02	-1.08%	1.61%
31	12	1.495	1.482	-0.01	-0.83%	1.24%
31	13	1.495	1.481	-0.01	-0.91%	1.37%
31	14	1.495	1.476	-0.02	-1.25%	1.87%
31	15	1.495	1.485	-0.01	-0.67%	1.00%
31	16	1.495	1.476	-0.02	-1.24%	1.86%
Max		1.495	1.495	0.00	0.00%	2.61%
Average		1.495	1.481	-0.01	-0.95%	1.42%
Min		1.495	1.469	-0.03	-1.75%	0.00%
Std Dev		0.000	0.010	0.01	0.64%	0.95%



VIL_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	1.85			
Min Limit	0.85			
LL		0.85	0.85	0.85
Min		1.49	1.47	1.48
Average		1.49	1.47	1.48
Max		1.49	1.47	1.48
UL		1.85	1.85	1.85

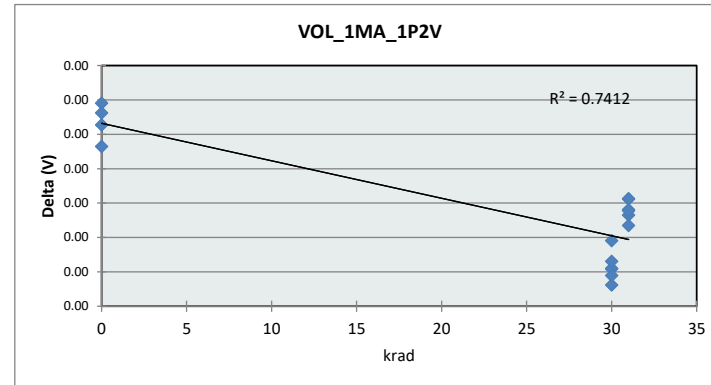


TID Report

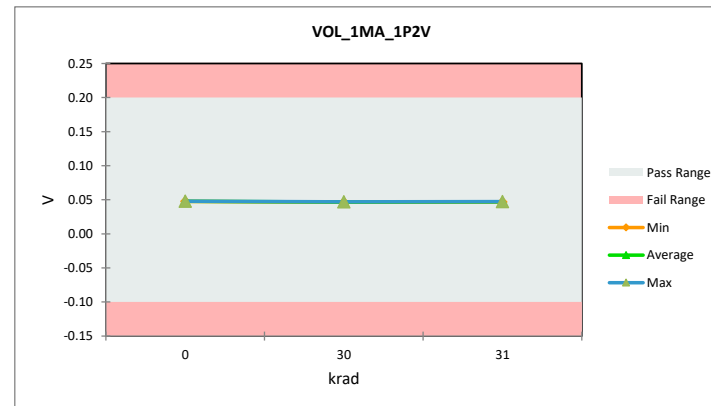
SN54SC6T06-SEP

VOL_1MA_1P2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.048	0.048	0.00	-0.15%	0.02%
0	2	0.048	0.048	0.00	0.11%	0.02%
0	3	0.048	0.048	0.00	0.38%	0.06%
0	4	0.048	0.048	0.00	0.26%	0.04%
30	5	0.048	0.047	0.00	-1.64%	0.26%
30	6	0.047	0.046	0.00	-1.66%	0.26%
30	7	0.047	0.047	0.00	-1.85%	0.29%
30	8	0.047	0.047	0.00	-1.56%	0.25%
30	9	0.047	0.047	0.00	-1.30%	0.21%
30	10	0.048	0.047	0.00	-1.72%	0.27%
31	11	0.048	0.047	0.00	-1.11%	0.18%
31	12	0.047	0.047	0.00	-0.99%	0.16%
31	13	0.047	0.047	0.00	-0.79%	0.13%
31	14	0.047	0.047	0.00	-0.79%	0.13%
31	15	0.047	0.047	0.00	-0.92%	0.15%
31	16	0.048	0.047	0.00	-0.93%	0.15%
Max		0.048	0.048	0.00	0.38%	0.29%
Average		0.048	0.047	0.00	-0.92%	0.16%
Min		0.047	0.046	0.00	-1.85%	0.02%
Std Dev		0.000	0.000	0.00	0.73%	0.09%



VOL_1MA_1P2V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.2			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.05	0.05	0.05
Average		0.05	0.05	0.05
Max		0.05	0.05	0.05
UL		0.20	0.20	0.20

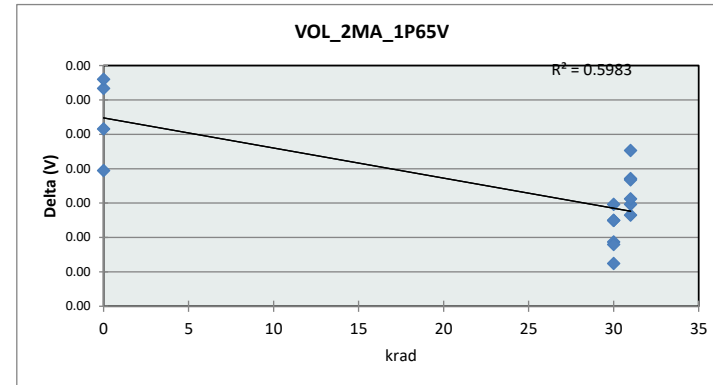


TID Report

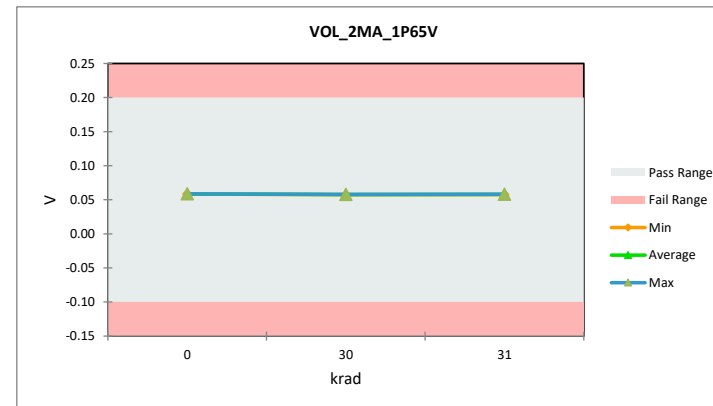
SN54SC6T06-SEP

VOL_2MA_1P65V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.059	0.058	0.00	-0.36%	0.07%
0	2	0.058	0.059	0.00	0.46%	0.09%
0	3	0.058	0.059	0.00	0.55%	0.11%
0	4	0.058	0.058	0.00	0.05%	0.01%
30	5	0.058	0.058	0.00	-0.70%	0.14%
30	6	0.058	0.058	0.00	-1.08%	0.21%
30	7	0.058	0.058	0.00	-1.29%	0.25%
30	8	0.058	0.058	0.00	-1.10%	0.21%
30	9	0.058	0.058	0.00	-0.86%	0.17%
30	10	0.058	0.058	0.00	-0.86%	0.17%
31	11	0.058	0.058	0.00	-0.44%	0.09%
31	12	0.058	0.058	0.00	-0.81%	0.16%
31	13	0.058	0.058	0.00	-0.70%	0.14%
31	14	0.058	0.058	0.00	-0.45%	0.09%
31	15	0.058	0.058	0.00	-0.64%	0.13%
31	16	0.058	0.058	0.00	-0.16%	0.03%
Max		0.059	0.059	0.00	0.55%	0.25%
Average		0.058	0.058	0.00	-0.52%	0.13%
Min		0.058	0.058	0.00	-1.29%	0.01%
Std Dev		0.000	0.000	0.00	0.53%	0.07%



VOL_2MA_1P65V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.2			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.06	0.06	0.06
Average		0.06	0.06	0.06
Max		0.06	0.06	0.06
UL		0.20	0.20	0.20

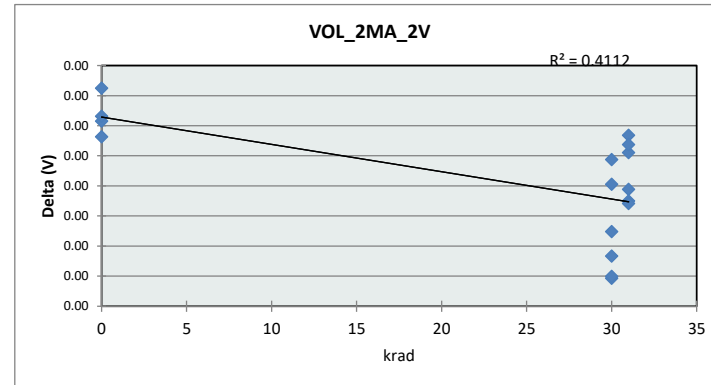


TID Report

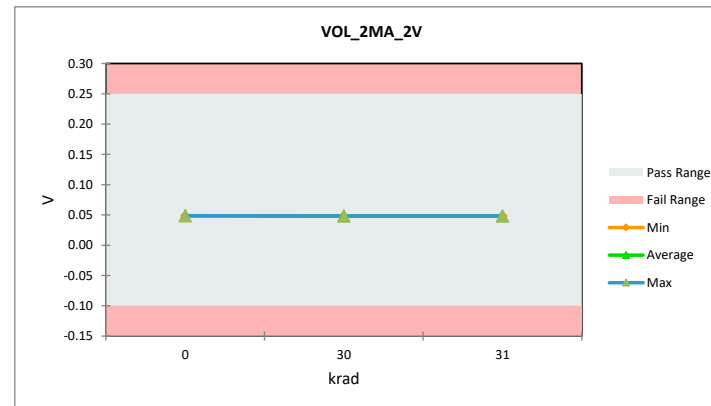
SN54SC6T06-SEP

VOL_2MA_2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.25
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.049	0.049	0.00	0.03%	0.00%
0	2	0.049	0.049	0.00	-0.07%	0.01%
0	3	0.049	0.049	0.00	0.06%	0.01%
0	4	0.049	0.049	0.00	0.26%	0.04%
30	5	0.048	0.048	0.00	-0.23%	0.03%
30	6	0.048	0.048	0.00	-0.73%	0.10%
30	7	0.049	0.048	0.00	-1.04%	0.14%
30	8	0.048	0.048	0.00	-0.89%	0.12%
30	9	0.048	0.048	0.00	-0.40%	0.06%
30	10	0.048	0.048	0.00	-1.03%	0.14%
31	11	0.048	0.048	0.00	-0.44%	0.06%
31	12	0.048	0.048	0.00	-0.52%	0.07%
31	13	0.049	0.048	0.00	-0.53%	0.07%
31	14	0.048	0.048	0.00	-0.18%	0.03%
31	15	0.048	0.048	0.00	-0.06%	0.01%
31	16	0.048	0.048	0.00	-0.13%	0.02%
Max		0.049	0.049	0.00	0.26%	0.14%
Average		0.048	0.048	0.00	-0.37%	0.06%
Min		0.048	0.048	0.00	-1.04%	0.00%
Std Dev		0.000	0.000	0.00	0.40%	0.05%



VOL_2MA_2V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774200		
Units	V		
Max Limit	0.25		
Min Limit	-0.1		
	0	30	31
LL	-0.10	-0.10	-0.10
Min	0.05	0.05	0.05
Average	0.05	0.05	0.05
Max	0.05	0.05	0.05
UL	0.25	0.25	0.25

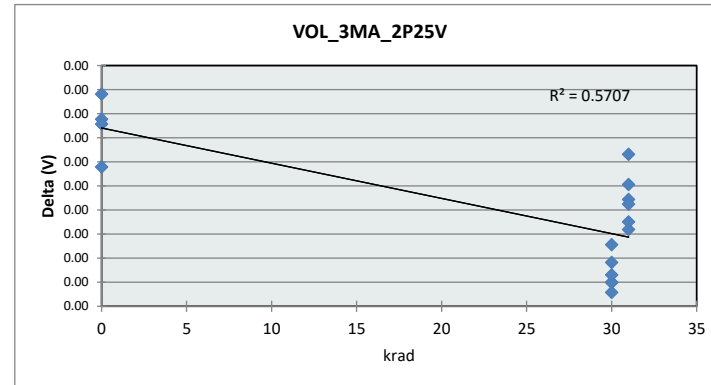


TID Report

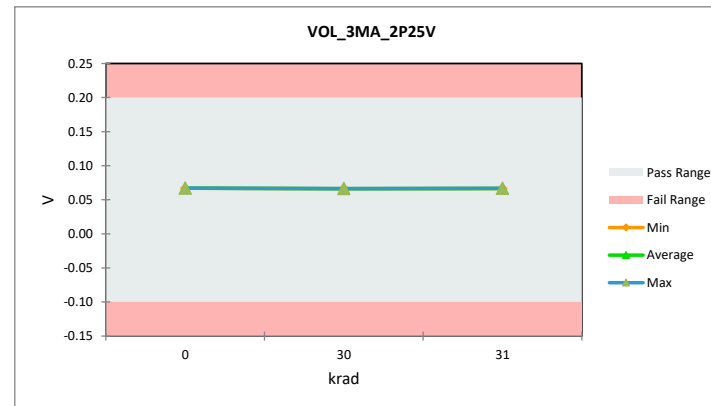
SN54SC6T06-SEP

VOL_3MA_2P25V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.067	0.067	0.00	-0.03%	0.01%
0	2	0.067	0.067	0.00	0.42%	0.09%
0	3	0.067	0.067	0.00	0.26%	0.06%
0	4	0.067	0.067	0.00	0.23%	0.05%
30	5	0.067	0.066	0.00	-0.62%	0.14%
30	6	0.067	0.066	0.00	-0.52%	0.11%
30	7	0.067	0.066	0.00	-0.75%	0.17%
30	8	0.067	0.066	0.00	-0.75%	0.17%
30	9	0.067	0.066	0.00	-0.81%	0.18%
30	10	0.067	0.066	0.00	-0.70%	0.16%
31	11	0.067	0.067	0.00	-0.42%	0.09%
31	12	0.067	0.066	0.00	-0.23%	0.05%
31	13	0.067	0.067	0.00	0.05%	0.01%
31	14	0.067	0.067	0.00	-0.26%	0.06%
31	15	0.067	0.067	0.00	-0.37%	0.08%
31	16	0.067	0.067	0.00	-0.14%	0.03%
Max		0.067	0.067	0.00	0.42%	0.18%
Average		0.067	0.067	0.00	-0.29%	0.09%
Min		0.067	0.066	0.00	-0.81%	0.01%
Std Dev		0.000	0.000	0.00	0.40%	0.06%



VOL_3MA_2P25V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.2			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.07	0.07	0.07
Average		0.07	0.07	0.07
Max		0.07	0.07	0.07
UL		0.20	0.20	0.20

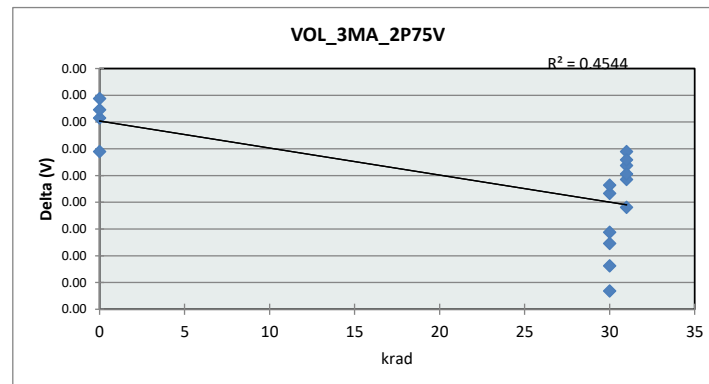


TID Report

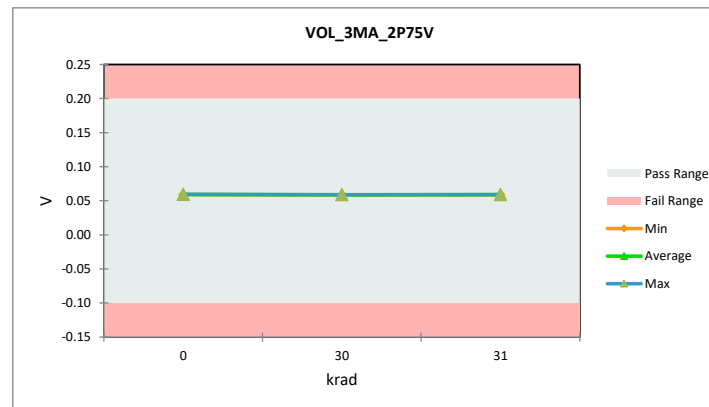
SN54SC6T06-SEP

VOL_3MA_2P75V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.059	0.059	0.00	-0.02%	0.00%
0	2	0.059	0.059	0.00	0.19%	0.04%
0	3	0.059	0.059	0.00	0.25%	0.05%
0	4	0.059	0.059	0.00	0.32%	0.06%
30	5	0.059	0.059	0.00	-0.53%	0.10%
30	6	0.059	0.059	0.00	-0.74%	0.15%
30	7	0.059	0.059	0.00	-0.90%	0.18%
30	8	0.059	0.059	0.00	-0.28%	0.06%
30	9	0.059	0.059	0.00	-0.23%	0.05%
30	10	0.059	0.059	0.00	-0.60%	0.12%
31	11	0.059	0.059	0.00	-0.19%	0.04%
31	12	0.059	0.059	0.00	-0.11%	0.02%
31	13	0.059	0.059	0.00	-0.37%	0.07%
31	14	0.059	0.059	0.00	-0.02%	0.00%
31	15	0.059	0.059	0.00	-0.16%	0.03%
31	16	0.059	0.059	0.00	-0.07%	0.01%
Max		0.059	0.059	0.00	0.32%	0.18%
Average		0.059	0.059	0.00	-0.22%	0.06%
Min		0.059	0.059	0.00	-0.90%	0.00%
Std Dev		0.000	0.000	0.00	0.35%	0.05%



VOL_3MA_2P75V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774200		
Units	V		
Max Limit	0.2		
Min Limit	-0.1		
	0	30	31
LL	-0.10	-0.10	-0.10
Min	0.06	0.06	0.06
Average	0.06	0.06	0.06
Max	0.06	0.06	0.06
UL	0.20	0.20	0.20

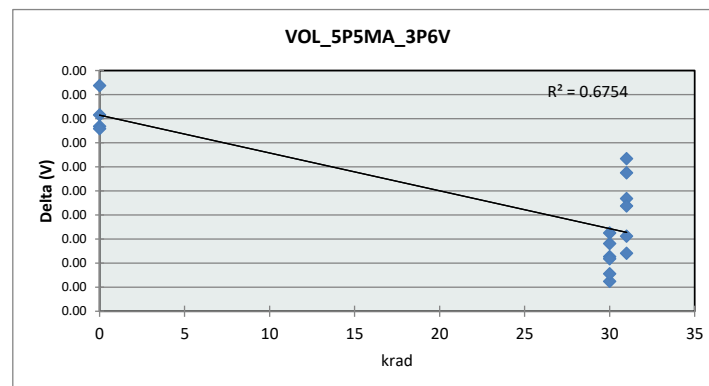


TID Report

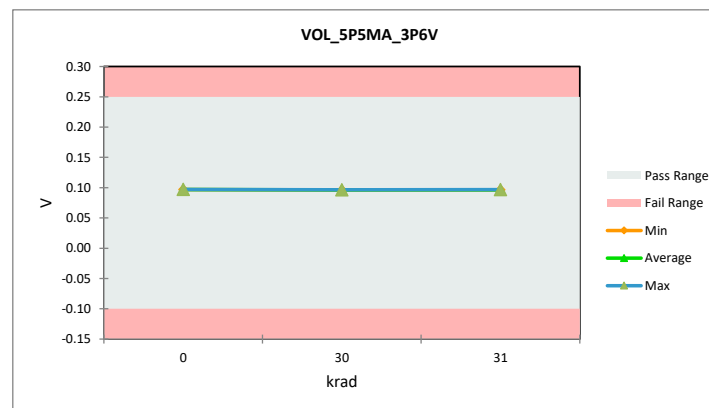
SN54SC6T06-SEP

VOL_5P5MA_3P6V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.25
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.097	0.097	0.00	0.28%	0.08%
0	2	0.096	0.097	0.00	0.45%	0.13%
0	3	0.097	0.097	0.00	0.27%	0.07%
0	4	0.097	0.097	0.00	0.33%	0.09%
30	5	0.097	0.096	0.00	-0.23%	0.06%
30	6	0.097	0.096	0.00	-0.39%	0.11%
30	7	0.097	0.096	0.00	-0.28%	0.08%
30	8	0.097	0.096	0.00	-0.18%	0.05%
30	9	0.097	0.096	0.00	-0.29%	0.08%
30	10	0.096	0.096	0.00	-0.36%	0.10%
31	11	0.097	0.096	0.00	-0.27%	0.07%
31	12	0.097	0.097	0.00	-0.19%	0.05%
31	13	0.097	0.097	0.00	0.14%	0.04%
31	14	0.097	0.097	0.00	0.08%	0.02%
31	15	0.097	0.097	0.00	-0.03%	0.01%
31	16	0.096	0.096	0.00	-0.06%	0.02%
Max		0.097	0.097	0.00	0.45%	0.13%
Average		0.097	0.097	0.00	-0.05%	0.07%
Min		0.096	0.096	0.00	-0.39%	0.01%
Std Dev		0.000	0.000	0.00	0.27%	0.03%



VOL_5P5MA_3P6V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.25			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.10	0.10	0.10
Average		0.10	0.10	0.10
Max		0.10	0.10	0.10
UL		0.25	0.25	0.25

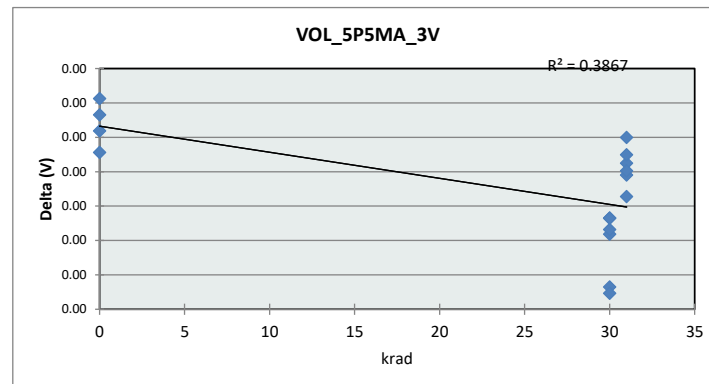


TID Report

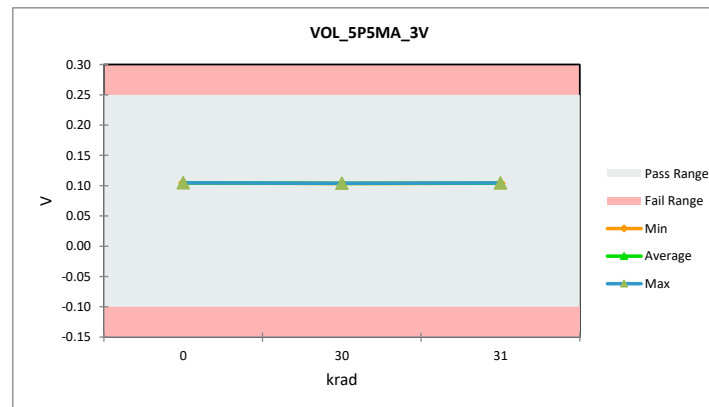
SN54SC6T06-SEP

VOL_5P5MA_3V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.25
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.105	0.105	0.00	0.04%	0.01%
0	2	0.104	0.105	0.00	0.22%	0.06%
0	3	0.105	0.104	0.00	-0.08%	0.03%
0	4	0.105	0.105	0.00	0.13%	0.04%
30	5	0.104	0.104	0.00	-0.54%	0.16%
30	6	0.104	0.104	0.00	-0.51%	0.15%
30	7	0.104	0.104	0.00	-0.83%	0.25%
30	8	0.104	0.104	0.00	-0.45%	0.13%
30	9	0.104	0.104	0.00	-0.45%	0.13%
30	10	0.104	0.103	0.00	-0.87%	0.26%
31	11	0.104	0.104	0.00	-0.33%	0.10%
31	12	0.104	0.104	0.00	-0.21%	0.06%
31	13	0.104	0.104	0.00	-0.14%	0.04%
31	14	0.104	0.104	0.00	-0.10%	0.03%
31	15	0.104	0.104	0.00	-0.19%	0.06%
31	16	0.104	0.104	0.00	0.00%	0.00%
Max		0.105	0.105	0.00	0.22%	0.26%
Average		0.104	0.104	0.00	-0.27%	0.09%
Min		0.104	0.103	0.00	-0.87%	0.00%
Std Dev		0.000	0.000	0.00	0.32%	0.08%



VOL_5P5MA_3V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.25			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.10	0.10	0.10
Average		0.10	0.10	0.10
Max		0.10	0.10	0.10
UL		0.25	0.25	0.25

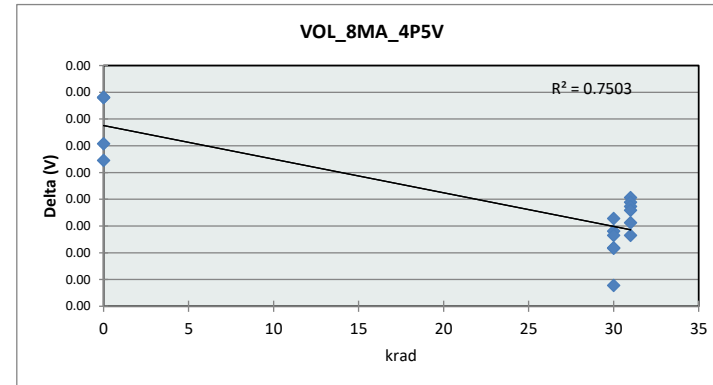


TID Report

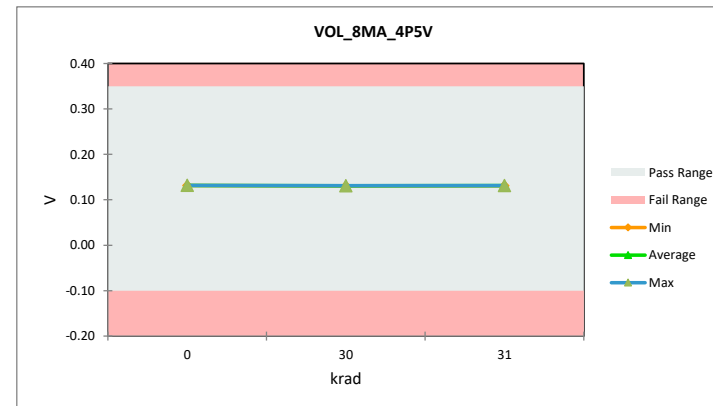
SN54SC6T06-SEP

VOL_8MA_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.35
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.131	0.131	0.00	0.16%	0.05%
0	2	0.131	0.131	0.00	0.43%	0.12%
0	3	0.131	0.132	0.00	0.43%	0.13%
0	4	0.132	0.132	0.00	0.07%	0.02%
30	5	0.131	0.131	0.00	-0.26%	0.08%
30	6	0.131	0.131	0.00	-0.33%	0.10%
30	7	0.132	0.131	0.00	-0.43%	0.13%
30	8	0.132	0.131	0.00	-0.43%	0.13%
30	9	0.132	0.131	0.00	-0.36%	0.10%
30	10	0.131	0.131	0.00	-0.64%	0.19%
31	11	0.131	0.131	0.00	-0.14%	0.04%
31	12	0.131	0.131	0.00	-0.17%	0.05%
31	13	0.132	0.131	0.00	-0.19%	0.06%
31	14	0.132	0.131	0.00	-0.29%	0.08%
31	15	0.132	0.131	0.00	-0.36%	0.10%
31	16	0.131	0.131	0.00	-0.21%	0.06%
Max		0.132	0.132	0.00	0.43%	0.19%
Average		0.131	0.131	0.00	-0.17%	0.09%
Min		0.131	0.131	0.00	-0.64%	0.02%
Std Dev		0.000	0.000	0.00	0.30%	0.04%



VOL_8MA_4P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.35			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.13	0.13	0.13
Average		0.13	0.13	0.13
Max		0.13	0.13	0.13
UL		0.35	0.35	0.35

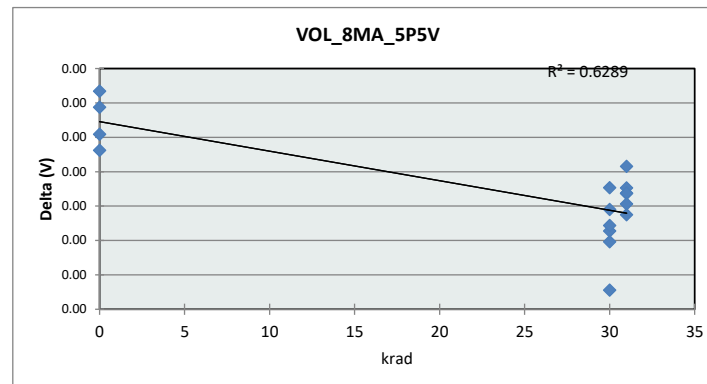


TID Report

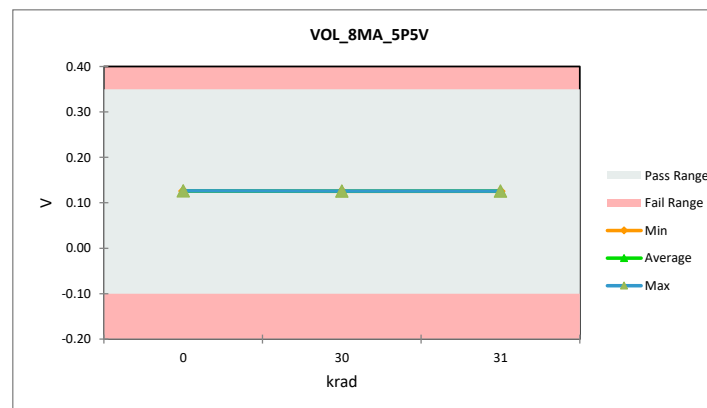
SN54SC6T06-SEP

VOL_8MA_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.35
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.126	0.126	0.00	0.17%	0.05%
0	2	0.126	0.126	0.00	0.10%	0.03%
0	3	0.126	0.126	0.00	0.37%	0.10%
0	4	0.126	0.126	0.00	0.30%	0.08%
30	5	0.126	0.126	0.00	-0.07%	0.02%
30	6	0.126	0.125	0.00	-0.27%	0.08%
30	7	0.126	0.125	0.00	-0.55%	0.15%
30	8	0.126	0.126	0.00	-0.32%	0.09%
30	9	0.126	0.126	0.00	-0.17%	0.05%
30	10	0.126	0.125	0.00	-0.25%	0.07%
31	11	0.126	0.126	0.00	-0.07%	0.02%
31	12	0.126	0.126	0.00	0.02%	0.01%
31	13	0.126	0.126	0.00	-0.10%	0.03%
31	14	0.126	0.126	0.00	-0.10%	0.03%
31	15	0.126	0.126	0.00	-0.15%	0.04%
31	16	0.126	0.125	0.00	-0.20%	0.06%
Max		0.126	0.126	0.00	0.37%	0.15%
Average		0.126	0.126	0.00	-0.08%	0.06%
Min		0.126	0.125	0.00	-0.55%	0.01%
Std Dev		0.000	0.000	0.00	0.23%	0.04%



VOL_8MA_5P5V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774200		
Units	V		
Max Limit	0.35		
Min Limit	-0.1		
	0	30	31
LL	-0.10	-0.10	-0.10
Min	0.13	0.13	0.13
Average	0.13	0.13	0.13
Max	0.13	0.13	0.13
UL	0.35	0.35	0.35

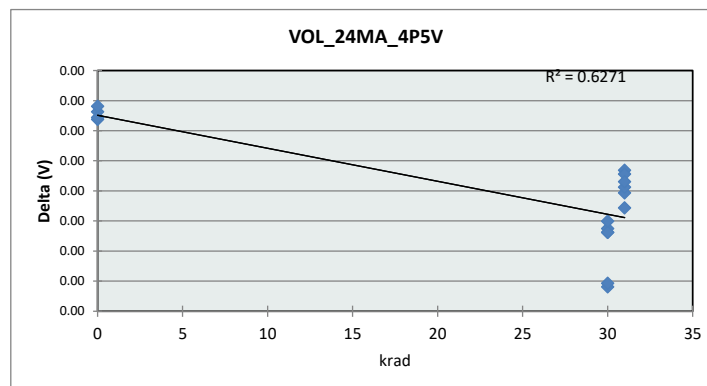


TID Report

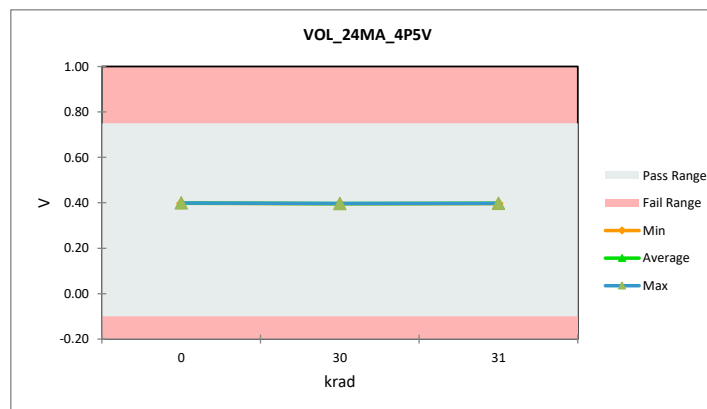
SN54SC6T06-SEP

VOL_24MA_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.75
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.398	0.399	0.00	0.21%	0.10%
0	2	0.397	0.398	0.00	0.17%	0.08%
0	3	0.397	0.398	0.00	0.23%	0.11%
0	4	0.398	0.399	0.00	0.18%	0.08%
30	5	0.398	0.396	0.00	-0.30%	0.14%
30	6	0.398	0.397	0.00	-0.28%	0.13%
30	7	0.398	0.396	0.00	-0.53%	0.25%
30	8	0.398	0.397	0.00	-0.30%	0.14%
30	9	0.398	0.397	0.00	-0.25%	0.12%
30	10	0.398	0.396	0.00	-0.51%	0.24%
31	11	0.398	0.397	0.00	-0.20%	0.09%
31	12	0.398	0.398	0.00	-0.04%	0.02%
31	13	0.398	0.398	0.00	-0.13%	0.06%
31	14	0.398	0.398	0.00	-0.11%	0.05%
31	15	0.398	0.398	0.00	-0.06%	0.03%
31	16	0.398	0.397	0.00	-0.09%	0.04%
Max		0.398	0.399	0.00	0.23%	0.25%
Average		0.398	0.397	0.00	-0.13%	0.10%
Min		0.397	0.396	0.00	-0.53%	0.25%
Std Dev		0.000	0.001	0.00	0.24%	0.07%



VOL_24MA_4P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.75			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.40	0.40	0.40
Average		0.40	0.40	0.40
Max		0.40	0.40	0.40
UL		0.75	0.75	0.75

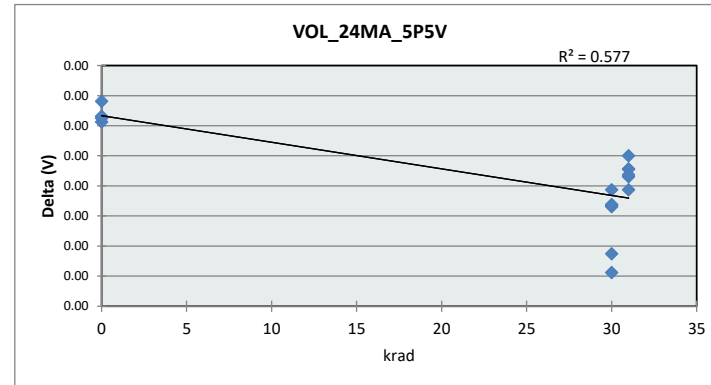


TID Report

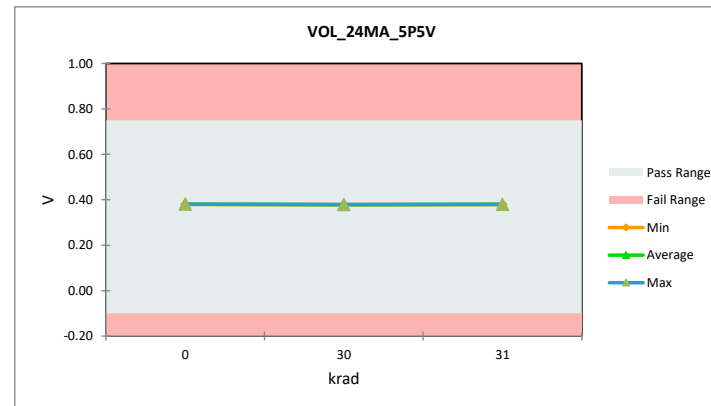
SN54SC6T06-SEP

VOL_24MA_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.75
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.380	0.380	0.00	0.15%	0.07%
0	2	0.379	0.380	0.00	0.24%	0.11%
0	3	0.379	0.380	0.00	0.16%	0.07%
0	4	0.380	0.381	0.00	0.17%	0.08%
30	5	0.379	0.379	0.00	-0.15%	0.07%
30	6	0.380	0.379	0.00	-0.22%	0.10%
30	7	0.380	0.378	0.00	-0.51%	0.23%
30	8	0.380	0.379	0.00	-0.21%	0.10%
30	9	0.380	0.379	0.00	-0.21%	0.10%
30	10	0.380	0.378	0.00	-0.43%	0.19%
31	11	0.379	0.379	0.00	-0.09%	0.04%
31	12	0.380	0.380	0.00	0.00%	0.00%
31	13	0.380	0.380	0.00	-0.15%	0.07%
31	14	0.380	0.380	0.00	-0.06%	0.03%
31	15	0.380	0.380	0.00	-0.06%	0.03%
31	16	0.380	0.379	0.00	-0.08%	0.04%
Max		0.380	0.381	0.00	0.24%	0.23%
Average		0.380	0.379	0.00	-0.09%	0.08%
Min		0.379	0.378	0.00	-0.51%	0.00%
Std Dev		0.000	0.001	0.00	0.21%	0.06%



VOL_24MA_5P5V		0	30	31
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.75			
Min Limit	-0.1			
LL		-0.10	-0.10	-0.10
Min		0.38	0.38	0.38
Average		0.38	0.38	0.38
Max		0.38	0.38	0.38
UL		0.75	0.75	0.75

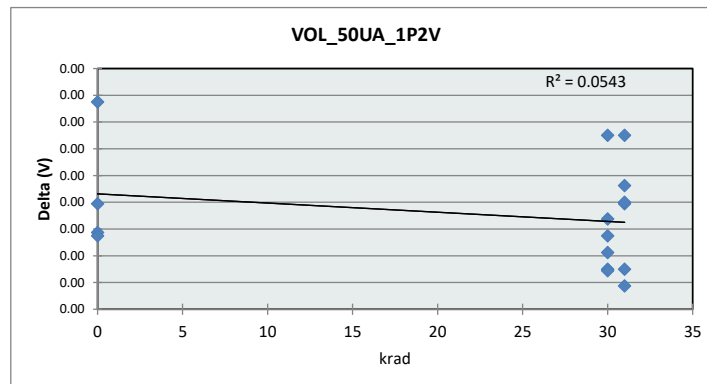


TID Report

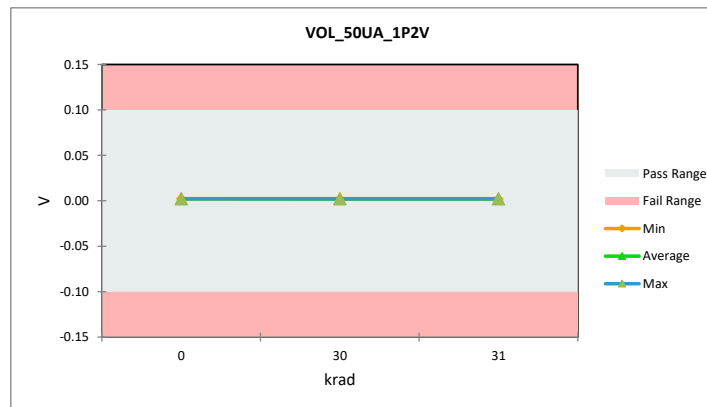
SN54SC6T06-SEP

VOL_50UA_1P2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.1
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.002	0.002	0.00	9.33%	0.09%
0	2	0.002	0.002	0.00	-2.40%	0.03%
0	3	0.002	0.002	0.00	-0.12%	0.00%
0	4	0.002	0.002	0.00	-2.69%	0.03%
30	5	0.002	0.002	0.00	5.85%	0.06%
30	6	0.002	0.002	0.00	-2.80%	0.03%
30	7	0.002	0.002	0.00	-1.44%	0.02%
30	8	0.002	0.002	0.00	-5.77%	0.06%
30	9	0.002	0.002	0.00	-4.27%	0.05%
30	10	0.002	0.002	0.00	-5.64%	0.06%
31	11	0.002	0.002	0.00	5.85%	0.06%
31	12	0.002	0.002	0.00	-5.61%	0.06%
31	13	0.002	0.002	0.00	-7.21%	0.08%
31	14	0.002	0.002	0.00	-0.12%	0.00%
31	15	0.002	0.002	0.00	1.42%	0.02%
31	16	0.002	0.002	0.00	0.00%	0.00%
Max		0.002	0.002	0.00	9.33%	0.09%
Average		0.002	0.002	0.00	-0.98%	0.04%
Min		0.002	0.002	0.00	-7.21%	0.00%
Std Dev		0.000	0.000	0.00	4.70%	0.03%



VOL_50UA_1P2V			
Test Site	SLAB		
Tester	ETS88B		
Test Number	EQ774200		
Units	V		
Max Limit	0.1		
Min Limit	-0.1		
	0	30	31
LL	-0.10	-0.10	-0.10
Min	0.00	0.00	0.00
Average	0.00	0.00	0.00
Max	0.00	0.00	0.00
UL	0.10	0.10	0.10

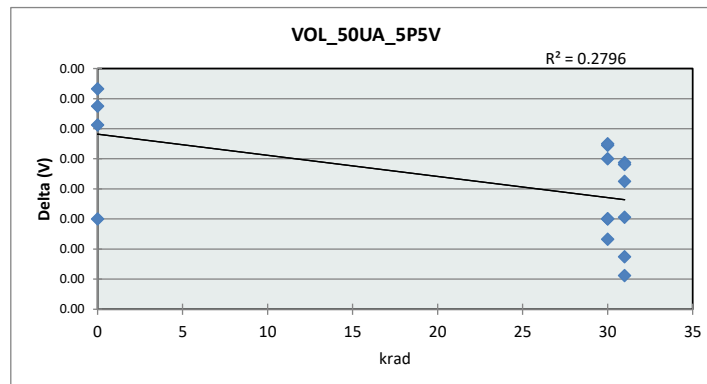


TID Report

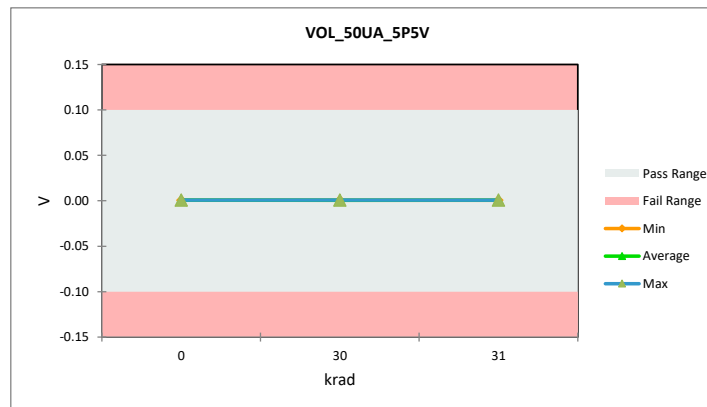
SN54SC6T06-SEP

VOL_50UA_5P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774200
Units	V
Max Limit	0.1
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.001	0.00	0.00%	0.00%
0	2	0.001	0.001	0.00	39.92%	0.11%
0	3	0.001	0.001	0.00	32.72%	0.09%
0	4	0.001	0.001	0.00	28.84%	0.08%
30	5	0.001	0.001	0.00	0.11%	0.00%
30	6	0.001	0.001	0.00	19.28%	0.06%
30	7	0.001	0.001	0.00	24.48%	0.06%
30	8	0.001	0.001	0.00	17.45%	0.05%
30	9	0.001	0.001	0.00	0.00%	0.00%
30	10	0.001	0.001	0.00	-4.82%	0.02%
31	11	0.001	0.001	0.00	0.51%	0.00%
31	12	0.001	0.001	0.00	-14.75%	0.05%
31	13	0.001	0.001	0.00	18.36%	0.05%
31	14	0.001	0.001	0.00	10.91%	0.03%
31	15	0.001	0.001	0.00	14.27%	0.05%
31	16	0.001	0.001	0.00	-8.95%	0.03%
	Max	0.001	0.001	0.00	39.92%	0.11%
	Average	0.001	0.001	0.00	11.14%	0.04%
	Min	0.001	0.001	0.00	-14.75%	0.00%
	Std Dev	0.000	0.000	0.00	15.84%	0.03%



VOL_50UA_5P5V				
Test Site	SLAB			
Tester	ETS88B			
Test Number	EQ774200			
Units	V			
Max Limit	0.1			
Min Limit	-0.1			
	krad	0	30	31
LL	-0.10	-0.10	-0.10	-0.10
Min	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00
UL	0.10	0.10	0.10	0.10



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](https://www.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 © 2024, Texas Instruments Incorporated