

SN54SC4T125-SEP Total Ionizing Dose (TID) Report



ABSTRACT

This report covers the radiation characterization results of the SN54SC4T125-SEP radiation tolerant, single power supply quadruple buffer translator gate. The study was done to determine Total Ionizing Dose (TID) effects under high dose rate (HDR) up to 50 krad(Si) as a one time characterization. The results show that all samples passed within the specified limits up to 50 krad(Si). Radiation Lot Acceptance Testing (RLAT) will be performed using five units at a dose level of 30 krad(Si) for future wafer lots per MIL-STD-883 TM 1019.

The SN54SC4T125-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, which makes the device an option for low Earth orbit space applications.

The SN54SC4T125-SEP Total Ionizing Dose (TID) Report covers the TID performance of all seven devices listed below. The SN54SC4T125-SEP device covers all functional blocks and active die area of the other six devices, which is why the device was selected for total ionizing dose testing for this group of logic gate devices.

1. SN54SC4T125-SEP
2. SN54SC3T97-SEP
3. SN54SC3T98-SEP
4. SN54SC4T00-SEP
5. SN54SC4T02-SEP
6. SN54SC4T32-SEP
7. SN54SC4T86-SEP

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1 Device Information

The SN54SC4T125-SEP contains four independent buffers with 3-state outputs and extended voltage operation to allow for level translation. Each buffer performs the Boolean function $Y = A$ in positive logic. The output level is referenced to the supply voltage (V_{CC}) and supports 1.2-V, 1.8-V, 2.5-V, 3.3-V, and 5-V CMOS levels. The input is designed with a lower threshold circuit to support up translation for lower voltage CMOS inputs (For example, 1.2-V input to 1.8-V output or 1.8-V input to 3.3-V output.) Additionally, the 5-V tolerant input pins enable down translation (For example, 3.3-V to 2.5-V output). The SN54SC4T125-SEP is a pure CMOS device and as a result, was tested at a High Dose Rate (HDR) for TID testing.

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 50 krad(Si)	
TI Device Number	SN54SC4T125-SEP
Package	14-pin PW (TSSOP)
Technology	LBC9
Die Lot Number	2207754RFB
A/T Lot Number and Date Code	3291293ML3 / 33AF44K
Quantity Tested	25 irradiated devices + 3 control
Lot Accept or Reject	Devices passed 30 krad(Si)
HDR Radiation Facility	Texas Instruments CLAB in Dallas, Texas
HDR Dose Level	10 krad(Si), 20 krad(Si), 30 krad(Si), 50 krad(Si)
HDR Dose Rate	201.93 -rad(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 SN54SC4T125-SEP samples were irradiated at a high dose rate of 201.93 rad(Si) / s up to 50 krad(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 SN54SC4T125-SEP HDR exposure was performed on biased devices in a Co-60 gamma cell at TI facility in Dallas, Texas. The un-attenuated dose rate of this cell is 201.93 rads(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.

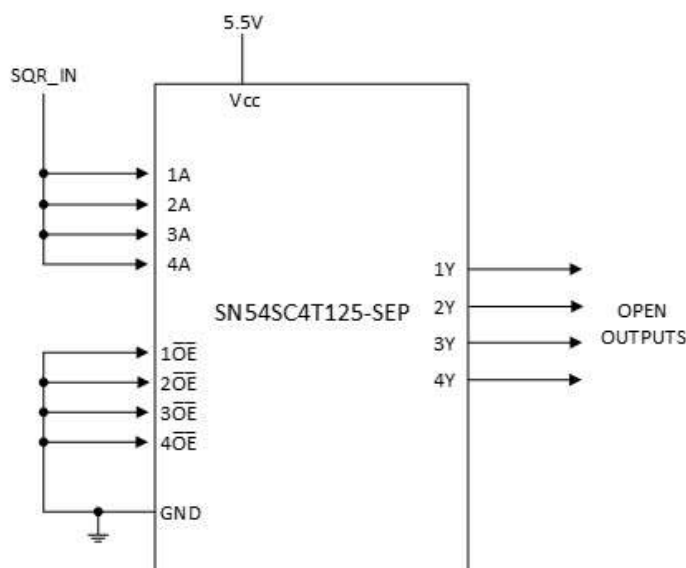


Figure 2-1. SN54SC4T125-SEP Biased Diagram

2.4 Test Configuration and Condition

A step stress (10k, 20k, 30k and 50k) test method was used to determine the TID hardness level. That is, after a predetermined TID level was reached, an electrical test was performed on a given sample of parts to verify that the units are within specified data sheet electrical test limits. The RLAT units were parametrically tested on ATE and then put through 25°C anneal for 50 hours. The units were then put through parametric testing again on the ATE.

Table 2-1 lists the serialized samples used for TID characterization.

Table 2-1. HDR Device Information

Control Group	HDR = 201.93 rad(Si)/s				
Total Samples: 3	Total Samples: 25				
Exposure Levels					
0 krad (Si)	10 krad (Si)	20 krad(Si)	30 krad(Si)		50 krad (Si)
Biased	Biased	Biased	Biased	Biased + 50 hour anneal	Biased
1 - 3	4 - 8	9 - 13	14 - 18	19 - 23	24 - 28

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the SN54SC4T125-SEP passes up to 50 krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the SN54SC4T125-SEP showed a strong degree of hardness to HDR TID irradiation up to 50 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.

See [Section 5](#) for HDR report up to 50 krad(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	1.2 V to 1.3 V	0.31	0.655	1.1	V	VTP_1P2V
		1.65 V to 2 V	0.39	0.915	1.32		VTP_1P65V, VTP_2V
		2.25 V to 2.75 V	0.51	1.09	1.51		VTP_2P25V, VTP_2P75V
		3 V to 3.6 V	0.65	1.2	1.7		VTP_3V, VTP_3P6V
		4.5 V to 5.5 V	0.87	1.51	2.16		VTP_4P5V, VTP_5P5V
V _{T-} 1	Negative-going input threshold voltage	1.2 V to 1.3 V	0.11	0.349	0.622	V	VTN_1P2V
		1.65 V to 2 V	0.18	0.455	0.666		VTN_1P65V, VTN_2V
		2.25 V to 2.75 V	0.25	0.545	0.74		VTN_2P25V, VTN_2P75V
		3 V to 3.6 V	0.33	0.635	0.85		VTN_3V, VTN_3P6V
		4.5 V to 5.5 V	0.45	0.755	1.14		VTN_4P5V, VTN_5P5V
ΔV _T 1	Hysteresis (VT+ – VT-)	1.2 V to 1.3 V	0.081	0.29	0.77	V	DELTAVT_1P2V
		1.65 V to 2 V	0.21	0.43	0.88		DELTAVT_1P65V, DELTAVT_2V
		2.25 V to 2.75 V	0.25	0.54	0.91		DELTAVT_2P25V, DELTAVT_2P75V
		3 V to 3.6 V	0.31	0.63	0.91		DELTAVT_3V, DELTAVT_3P6V
		4.5 V to 5.5 V	0.43	0.75	1.1		DELTAVT_4P5V, DELTAVT_5P5V
V _{IH}	High-level input voltage	1.2 V to 1.3 V	0.78			V	VIH_1P2V, VIH_1P3V
		1.65 V to 2 V	1.1				VIH_1P65V, VIH_2V
		2.25 V to 2.75 V	1.28				VIH_2P25V, VIH_2P75V
		3 V to 3.6 V	1.45				VIH_3V, VIH_3P6V
		4.5 V to 5.5 V	2				VIH_4P5V, VIH_5P5V
V _{IL}	Low-Level input voltage	1.2 V to 1.3 V			0.18	V	VIL_1P2V, VIL_1P3V
		1.65 V to 2 V			0.51		VIL_1P65V, VIL_2V
		2.25 V to 2.75 V			0.65		VIL_2P25V, VIL_2P75V
		3 V to 3.6 V			0.75		VIL_3V, VIL_3P6V
		4.5 V to 5.5 V			0.80		VIL_4P5V, VIL_5P5V
V _{OH} 2	I _{OH} = -50 μA	1.2 V to 5.5 V	V _{CC} -0.2			V	VOH_N50UA_1P65V, VOH_N50UA_2V, VOH_N50UA_2P75V,VOH_N5 0UA_3P6V, VOH_N50UA_4P5V, VOH_N50UA_5P5V
	I _{OH} = -1 mA	1.2 V	0.8				VOH_N1MA_1P2V
	I _{OH} = -2 mA	1.65 V to 2 V	1.21				VOH_N2MA_1P65V, VOH_N2MA_2V
	I _{OH} = -3 mA	2.25 V to 2.75 V	1.93				VOH_N3MA_2P25V, VOH_N3MA_2P75V
	I _{OH} = -5.5 mA	3 V to 3.6 V	2.49				VOH_N5P5MA_3V, VOH_N5P5MA_3P6V
	I _{OH} = -8 mA	4.5 V to 5.5 V	3.95				VOH_N8MA_4P5V, VOH_N8MA_5P5V
	I _{OH} = -24 mA	4.5 V to 5.5 V	3.15				VOH_N24MA_4P5V, VOH_N24MA_5P5V
V _{OL}	I _{OL} = 50 μA	1.2 V to 5.5 V			0.1	V	VOL_50UA_1P65V, VOL_50UA_2V, VOL_50UA_2P75V,VOL_50UA _3P6V, VOL_50UA_4P5V, VOL_50UA_5P5V
	I _{OL} = 1 mA	1.2 V			0.2		VOL_1MA_1P2V
	I _{OL} = 2 mA	1.65 V to 2 V			0.25		VOL_2MA_1P65V, VOL_2MA_2V
	I _{OL} = 3 mA	2.25 V to 2.75 V			0.2		VOL_3MA_2P25V, VOL_3MA_2P75V
	I _{OL} = 5.5 mA	3 V to 3.6 V			0.25		VOL_5P5MA_3V, VOL_5P5MA_3P6V
	I _{OL} = 8 mA	4.5 V to 5.5 V			0.35		VOL_8MA_4P5V, VOL_8MA_5P5V
	I _{OL} = 24 mA	4.5 V to 5.5 V			0.75		VOL_24MA_4P5V, VOL_24MA_5P5V
I _{CC}	V _I = V _{CC} or GND, I _O = 0	1.2 V to 5.5 V		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 0.3 V or 3.4 V, other inputs at V _{CC} or GND	5.5 V			1.5	mA	DELTAICC_5P5V
	One input at 0.3 V or 1.1 V, other inputs at V _{CC} or GND	1.8 V			68	μA	DELTAICC_1P8V
I _{OZ} 3	V _O = V _{CC} or GND	5.5 V			±2.5	μA	IOZ
I _I	V _I = 0 V to V _{CC}	V _I = 0 V to V _{CC}			±1	μA	IIH_5P5V, IIL_5P5V

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

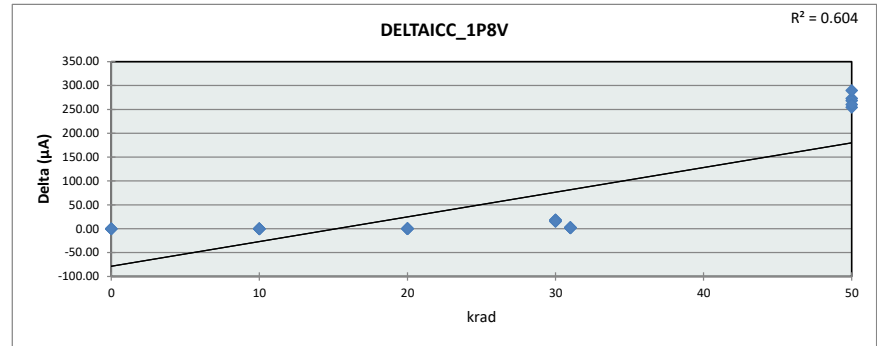
5 Appendix: HDR TID Report Data

This appendix provides the SN54SC4T125-SEP TID HDR report. The report shows the variation for each parameter up to 50 krad(Si).

TID Report SN54SC4T125-SEP

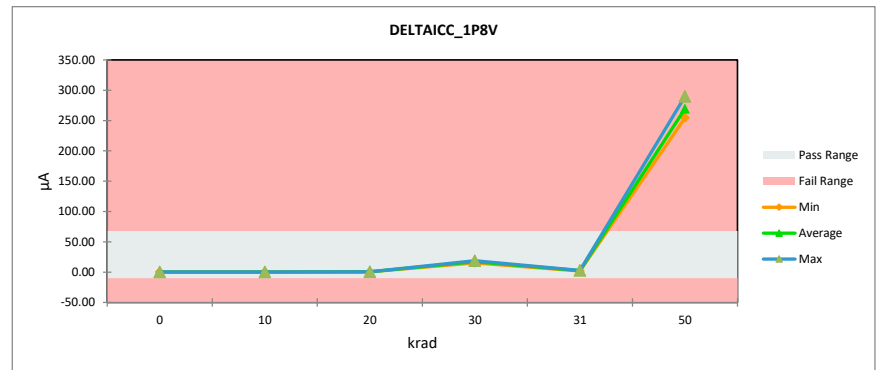
DELTAICC_1P8V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	µA
Max Limit	68
Min Limit	-10

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.419	0.083	-0.34	-80.18%	0.43%
0	2	0.106	0.239	0.13	125.12%	0.17%
0	3	0.169	0.333	0.16	97.22%	0.21%
10	4	0.138	0.052	-0.09	-62.29%	0.11%
10	5	0.357	0.239	-0.12	-32.93%	0.15%
10	6	0.169	0.333	0.16	97.22%	0.21%
10	7	0.200	0.208	0.01	3.95%	0.01%
10	8	0.451	0.177	-0.27	-60.75%	0.35%
20	9	0.263	0.396	0.13	50.48%	0.17%
20	10	0.012	0.489	0.48	3836.44%	0.61%
20	11	0.138	0.396	0.26	187.50%	0.33%
20	12	0.200	0.427	0.23	113.19%	0.29%
20	13	0.075	0.521	0.45	593.72%	0.57%
30	14	0.200	17.860	17.66	8821.08%	22.64%
30	15	0.357	15.990	15.63	4381.50%	20.04%
30	16	0.044	18.770	18.73	42822.48%	24.01%
30	17	0.169	18.330	18.16	10752.58%	23.28%
30	18	0.075	15.360	15.28	20371.81%	19.60%
31	19	0.200	1.989	1.79	893.51%	2.29%
31	20	0.357	2.958	2.60	729.04%	3.33%
31	21	0.044	2.458	2.41	5520.86%	3.10%
31	22	0.169	2.739	2.57	1521.67%	3.30%
31	23	0.075	2.333	2.26	3009.42%	2.89%
50	24	0.106	254.400	254.29	239222.67%	326.02%
50	25	0.106	273.400	273.29	257096.61%	350.38%
50	26	0.232	268.600	268.37	115875.82%	344.06%
50	27	0.075	289.700	289.62	386012.22%	371.31%
50	28	0.106	260.500	260.39	244961.15%	333.84%
Max		0.451	289.700	289.25	386012.22%	371.31%
Average		0.179	51.760	51.58	48102.18%	66.20%
Min		0.012	0.052	0.04	-80.18%	0.01%
Std Dev		0.117	103.623	103.51	102469.07%	132.85%



DELTAICC_1P8V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	µA
Max Limit	68
Min Limit	-10

krad	0	10	20	30	31	50
LL	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
Min	0.08	0.05	0.40	15.36	1.99	254.40
Average	0.22	0.20	0.45	17.26	2.50	269.32
Max	0.33	0.33	0.52	18.77	2.96	289.70
UL	68.00	68.00	68.00	68.00	68.00	68.00

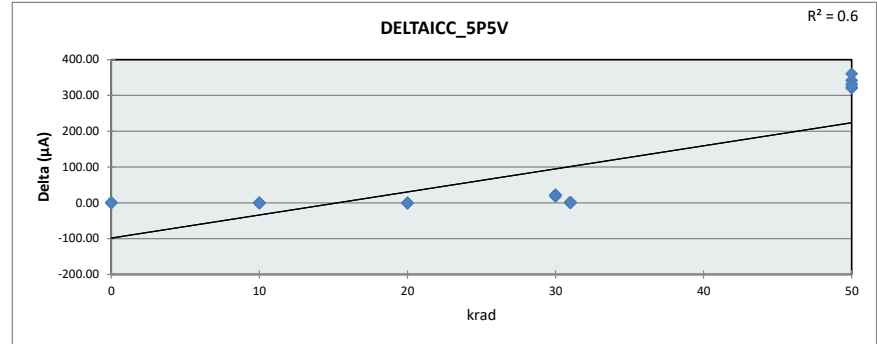


TID Report SN54SC4T125-SEP

DELTAICC_5PSV

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	µA
Max Limit	1500
Min Limit	-10

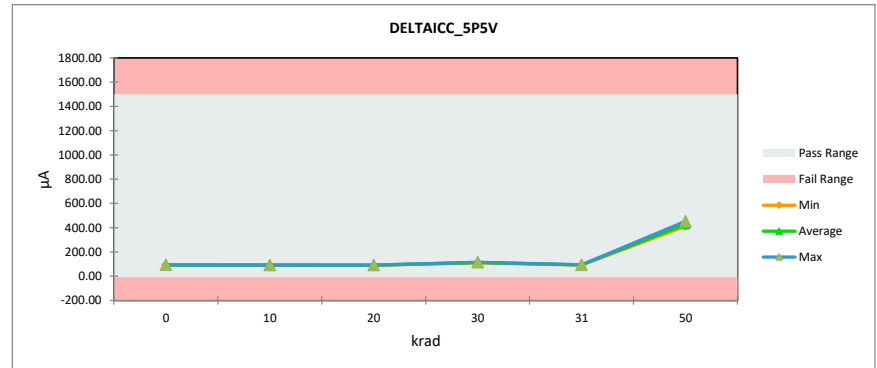
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	91.670	91.910	0.24	0.26%	0.02%
0	2	92.040	92.130	0.09	0.10%	0.01%
0	3	92.300	93.750	1.45	1.57%	0.10%
10	4	91.580	91.250	-0.33	-0.36%	0.02%
10	5	92.010	91.660	-0.35	-0.38%	0.02%
10	6	92.080	91.780	-0.30	-0.33%	0.02%
10	7	91.230	90.910	-0.32	-0.35%	0.02%
10	8	91.140	91.060	-0.08	-0.09%	0.01%
20	9	91.360	91.060	-0.30	-0.33%	0.02%
20	10	91.670	91.030	-0.64	-0.70%	0.04%
20	11	91.790	91.350	-0.44	-0.48%	0.03%
20	12	91.260	90.470	-0.79	-0.87%	0.05%
20	13	91.730	91.350	-0.38	-0.41%	0.03%
30	14	91.760	114.000	22.24	24.24%	1.47%
30	15	91.390	109.300	17.91	19.60%	1.19%
30	16	91.730	113.500	21.77	23.73%	1.44%
30	17	91.640	112.800	21.16	23.09%	1.40%
30	18	91.640	114.000	22.36	24.40%	1.48%
31	19	91.760	92.160	0.40	0.44%	0.03%
31	20	91.390	92.720	1.33	1.46%	0.09%
31	21	91.730	92.250	0.52	0.57%	0.03%
31	22	91.640	92.720	1.08	1.18%	0.07%
31	23	91.640	93.970	2.33	2.54%	0.15%
50	24	91.670	412.300	320.63	349.77%	21.23%
50	25	91.830	434.300	342.47	372.94%	22.68%
50	26	92.390	424.200	331.81	359.14%	21.97%
50	27	91.730	452.600	360.87	393.40%	23.90%
50	28	91.890	415.900	324.01	352.61%	21.46%
Max		92.390	452.600	360.21	393.40%	23.90%
Average		91.703	155.587	63.88	69.53%	4.25%
Min		91.140	90.470	-0.67	-0.87%	0.01%
Std Dev		0.294	129.676	129.38	141.01%	8.57%



DELTAICC_5PSV

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	µA
Max Limit	1500
Min Limit	-10

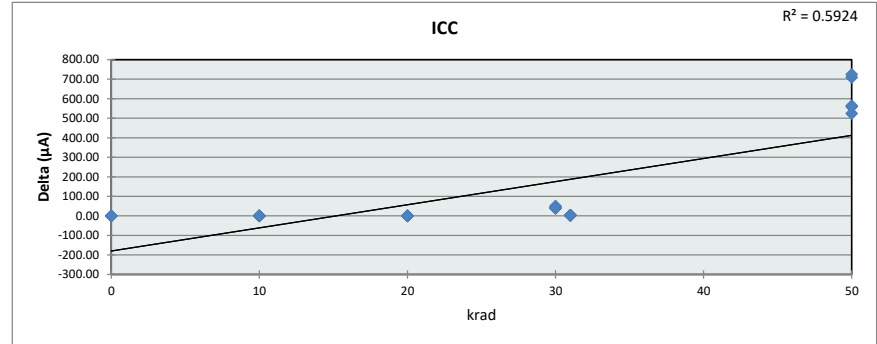
krad	0	10	20	30	31	50
LL	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
Min	91.91	90.91	90.47	109.30	92.16	412.30
Average	92.60	91.33	91.05	112.72	92.76	427.86
Max	93.75	91.78	91.35	114.00	93.97	452.60
UL	1500.00	1500.00	1500.00	1500.00	1500.00	1500.00



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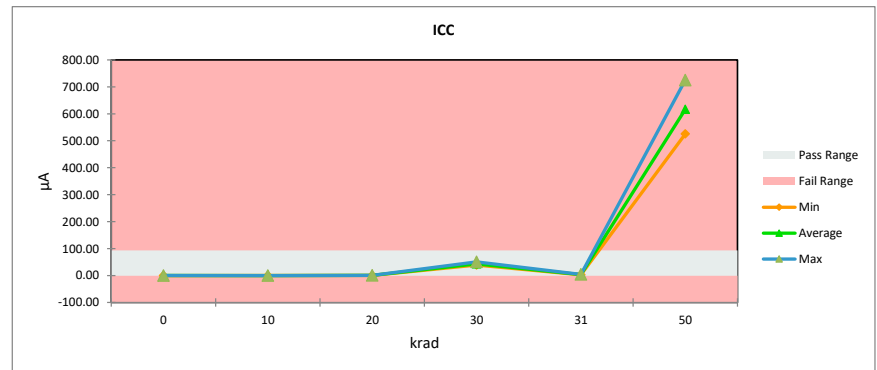
ICC	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	µA
Max Limit	93
Min Limit	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.013	0.012	0.00	-3.68%	0.00%
0	2	0.406	0.014	-0.39	-96.66%	0.42%
0	3	0.012	0.017	0.00	39.09%	0.01%
10	4	0.017	0.014	0.00	-19.27%	0.00%
10	5	0.015	0.014	0.00	-7.41%	0.00%
10	6	0.012	0.009	0.00	-22.58%	0.00%
10	7	0.017	0.015	0.00	-8.42%	0.00%
10	8	0.012	0.021	0.01	66.85%	0.01%
20	9	0.013	0.545	0.53	3969.40%	0.57%
20	10	0.012	0.468	0.46	3656.82%	0.48%
20	11	0.016	0.597	0.58	3651.88%	0.62%
20	12	0.016	0.628	0.61	3767.53%	0.65%
20	13	0.015	0.429	0.41	2703.14%	0.44%
30	14	0.014	38.670	38.66	269377.35%	41.12%
30	15	0.014	39.820	39.81	283720.38%	42.35%
30	16	0.017	45.540	45.52	275066.16%	48.43%
30	17	0.016	50.260	50.24	309573.44%	53.45%
30	18	0.010	40.140	40.13	391128.07%	42.69%
31	19	0.014	2.386	2.37	16527.18%	2.52%
31	20	0.014	3.784	3.77	26870.78%	4.01%
31	21	0.017	3.269	3.25	19652.27%	3.46%
31	22	0.016	3.617	3.60	22185.89%	3.83%
31	23	0.010	2.665	2.65	25874.66%	2.82%
50	24	0.017	525.100	525.08	3056361.00%	558.60%
50	25	0.013	709.600	709.59	5556673.69%	754.88%
50	26	0.014	558.800	558.79	3982793.80%	594.45%
50	27	0.016	725.200	725.18	4648617.95%	771.47%
50	28	0.013	564.000	563.99	4308532.54%	599.99%
	Max	0.406	725.200	724.79	5556673.69%	771.47%
	Average	0.028	118.416	118.39	828951.85%	125.97%
	Min	0.010	0.009	0.00	-9.66%	0.00%
	Std Dev	0.074	239.772	239.70	1694144.02%	255.07%



ICC	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	µA
Max Limit	93
Min Limit	-1

krad	0	10	20	30	31	50
LL	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Min	0.01	0.01	0.43	38.67	2.39	525.10
Average	0.01	0.01	0.53	42.89	3.14	616.54
Max	0.02	0.02	0.63	50.26	3.78	725.20
UL	93.00	93.00	93.00	93.00	93.00	93.00



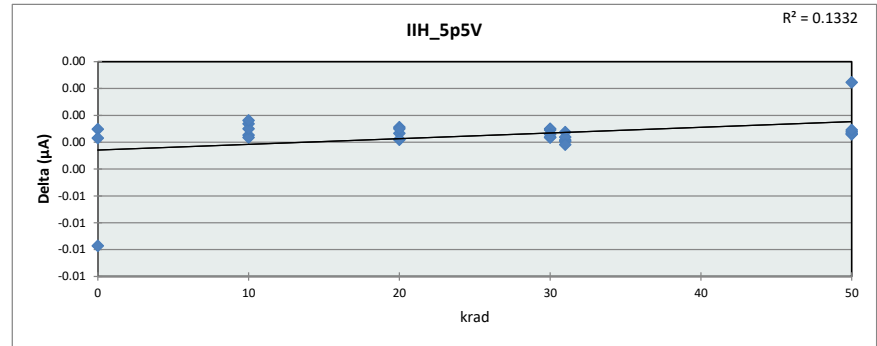
TID Report

SN54SC4T125-SEP

IIH_5p5V

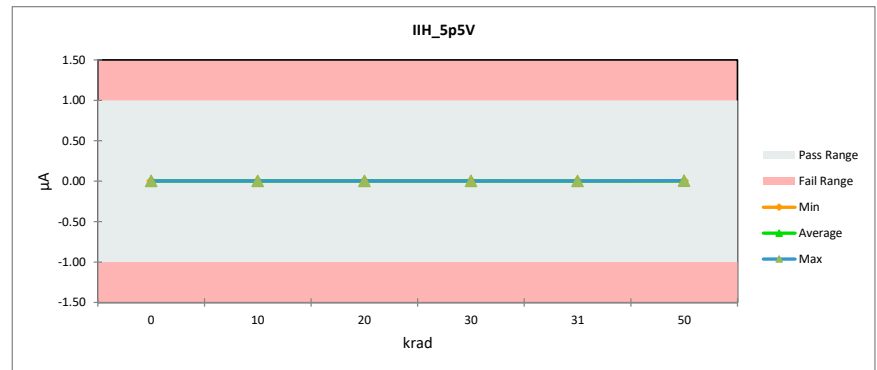
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	µA
Max Limit	1
Min Limit	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.004	0.003	0.00	-29.07%	0.05%
0	2	0.013	0.003	-0.01	-77.71%	0.49%
0	3	0.004	0.002	0.00	-42.36%	0.08%
10	4	0.004	0.002	0.00	-39.01%	0.07%
10	5	0.004	0.002	0.00	-46.63%	0.08%
10	6	0.003	0.003	0.00	-18.04%	0.03%
10	7	0.003	0.002	0.00	-30.58%	0.05%
10	8	0.003	0.003	0.00	-11.40%	0.02%
20	9	0.004	0.002	0.00	-47.18%	0.09%
20	10	0.004	0.002	0.00	-37.90%	0.07%
20	11	0.004	0.003	0.00	-24.86%	0.04%
20	12	0.004	0.003	0.00	-27.92%	0.05%
20	13	0.004	0.002	0.00	-43.69%	0.09%
30	14	0.004	0.003	0.00	-27.87%	0.05%
30	15	0.004	0.003	0.00	-27.23%	0.05%
30	16	0.004	0.002	0.00	-37.97%	0.07%
30	17	0.004	0.002	0.00	-42.24%	0.08%
30	18	0.004	0.003	0.00	-37.55%	0.08%
31	19	0.004	0.002	0.00	-49.42%	0.10%
31	20	0.004	0.002	0.00	-34.03%	0.06%
31	21	0.004	0.002	0.00	-49.81%	0.09%
31	22	0.004	0.002	0.00	-41.45%	0.08%
31	23	0.004	0.002	0.00	-50.57%	0.11%
50	24	0.004	0.006	0.00	68.06%	0.12%
50	25	0.004	0.002	0.00	-34.06%	0.06%
50	26	0.004	0.003	0.00	-35.57%	0.07%
50	27	0.004	0.002	0.00	-36.29%	0.07%
50	28	0.003	0.002	0.00	-31.55%	0.05%
	Max	0.013	0.006	-0.01	68.06%	0.49%
	Average	0.004	0.003	0.00	-33.71%	0.08%
	Min	0.003	0.002	0.00	-77.71%	0.02%
	Std Dev	0.002	0.001	0.00	23.41%	0.08%



Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	µA
Max Limit	1
Min Limit	-1

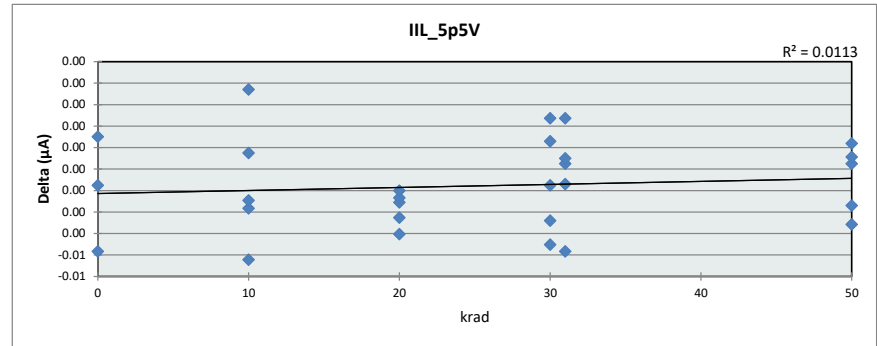
krad	0	10	20	30	31	50
LL	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Min	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	0.00	0.01
UL	1.00	1.00	1.00	1.00	1.00	1.00



TID Report SN54SC4T125-SEP

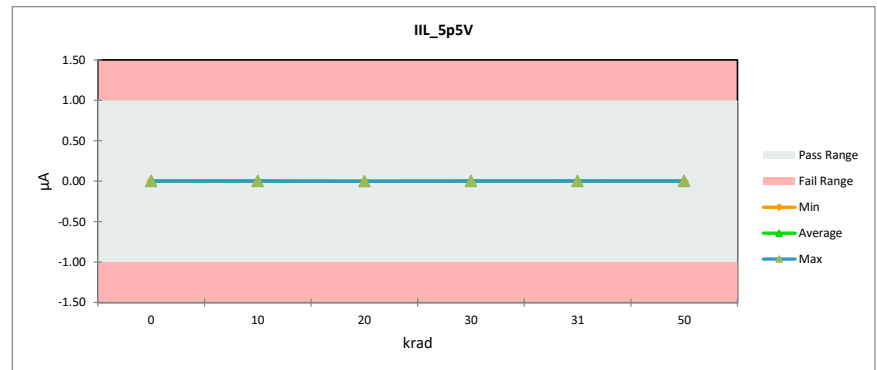
IIL_5p5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	µA
Max Limit	1
Min Limit	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.002	0.002	0.00	27.79%	0.03%
0	2	0.005	0.000	0.00	-96.79%	0.24%
0	3	0.001	-0.001	0.00	-266.51%	0.09%
10	4	0.001	0.004	0.00	297.80%	0.14%
10	5	0.004	-0.001	-0.01	-129.04%	0.26%
10	6	0.001	-0.002	0.00	-238.60%	0.14%
10	7	0.001	-0.001	0.00	-191.51%	0.12%
10	8	0.001	0.001	0.00	-23.75%	0.01%
20	9	0.002	-0.001	0.00	-131.62%	0.16%
20	10	0.001	-0.001	0.00	-221.08%	0.13%
20	11	0.001	-0.001	0.00	-266.23%	0.12%
20	12	0.002	-0.002	0.00	-162.71%	0.20%
20	13	0.001	-0.001	0.00	-164.26%	0.10%
30	14	0.002	0.003	0.00	84.22%	0.07%
30	15	0.002	-0.001	0.00	-157.38%	0.17%
30	16	0.004	0.000	0.00	-103.54%	0.23%
30	17	0.001	0.000	0.00	-136.49%	0.09%
30	18	0.001	0.001	0.00	36.41%	0.01%
31	19	0.002	0.003	0.00	84.22%	0.07%
31	20	0.002	0.001	0.00	-34.43%	0.04%
31	21	0.004	0.000	0.00	-110.74%	0.24%
31	22	0.001	0.001	0.00	-38.60%	0.02%
31	23	0.001	-0.001	0.00	-210.59%	0.09%
50	24	0.002	0.001	0.00	-40.25%	0.04%
50	25	0.002	0.002	0.00	12.99%	0.01%
50	26	0.003	0.000	0.00	-115.10%	0.18%
50	27	0.001	-0.002	0.00	-307.25%	0.13%
50	28	0.001	0.001	0.00	-35.27%	0.02%
	Max	0.005	0.004	0.00	297.80%	0.26%
	Average	0.002	0.000	0.00	-94.23%	0.11%
	Min	0.001	-0.002	0.00	-307.25%	0.01%
	Std Dev	0.001	0.002	0.00	130.84%	0.08%



IIL_5p5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	µA
Max Limit	1
Min Limit	-1

krad	0	10	20	30	31	50
LL	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Min	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	0.00	0.00
UL	1.00	1.00	1.00	1.00	1.00	1.00



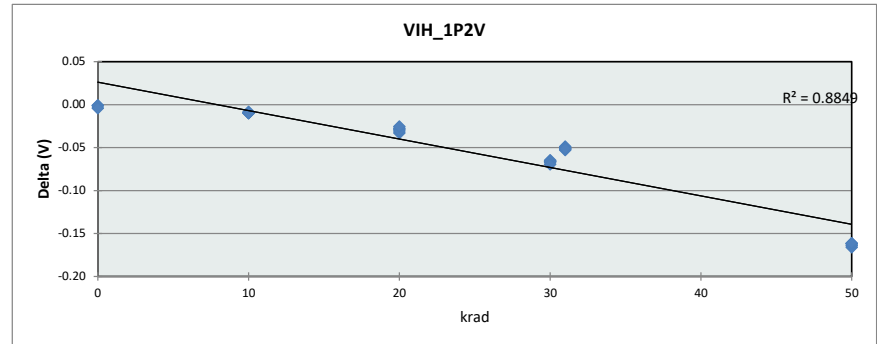
TID Report

SN54SC4T125-SEP

VIH_1P2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.78
Min Limit	0.2

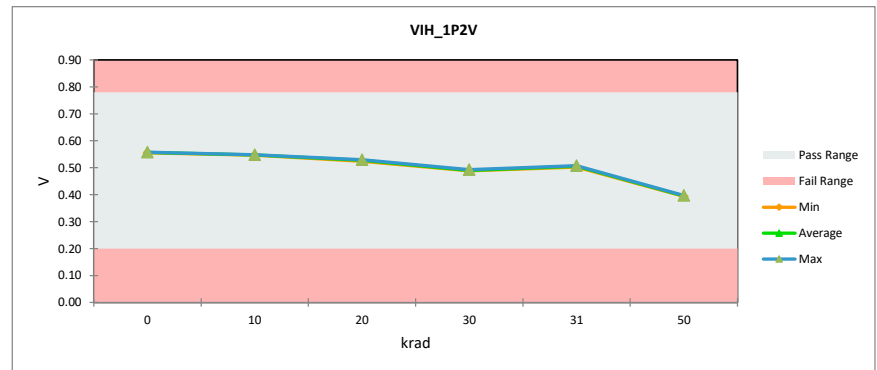
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.558	0.557	0.00	-0.16%	0.15%
0	2	0.559	0.558	0.00	-0.23%	0.22%
0	3	0.559	0.555	0.00	-0.73%	0.70%
10	4	0.558	0.548	-0.01	-1.72%	1.65%
10	5	0.557	0.547	-0.01	-1.75%	1.68%
10	6	0.556	0.548	-0.01	-1.52%	1.46%
10	7	0.557	0.547	-0.01	-1.77%	1.70%
10	8	0.556	0.547	-0.01	-1.67%	1.60%
20	9	0.556	0.523	-0.03	-5.90%	5.66%
20	10	0.558	0.530	-0.03	-4.96%	4.77%
20	11	0.556	0.528	-0.03	-5.18%	4.97%
20	12	0.559	0.528	-0.03	-5.47%	5.27%
20	13	0.555	0.530	-0.03	-4.61%	4.41%
30	14	0.556	0.491	-0.06	-11.66%	11.18%
30	15	0.555	0.488	-0.07	-12.04%	11.53%
30	16	0.555	0.490	-0.07	-11.81%	11.31%
30	17	0.559	0.493	-0.07	-11.84%	11.41%
30	18	0.558	0.488	-0.07	-12.45%	11.96%
31	19	0.556	0.507	-0.05	-8.78%	8.42%
31	20	0.555	0.505	-0.05	-9.08%	8.69%
31	21	0.555	0.503	-0.05	-9.50%	9.09%
31	22	0.559	0.507	-0.05	-9.27%	8.93%
31	23	0.558	0.506	-0.05	-9.16%	8.81%
50	24	0.559	0.397	-0.16	-28.96%	27.90%
50	25	0.557	0.396	-0.16	-28.99%	27.87%
50	26	0.560	0.395	-0.17	-29.59%	28.59%
50	27	0.557	0.394	-0.16	-29.40%	28.26%
50	28	0.556	0.395	-0.16	-29.00%	27.81%
	Max	0.560	0.558	0.00	-0.16%	28.59%
	Average	0.557	0.500	-0.06	-10.26%	9.86%
	Min	0.555	0.394	-0.16	-29.59%	0.15%
	Std Dev	0.001	0.055	0.05	9.82%	9.45%



VIH_1P2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.78
Min Limit	0.2

krad	0	10	20	30	31	50
LL	0.20	0.20	0.20	0.20	0.20	0.20
Min	0.56	0.55	0.52	0.49	0.50	0.39
Average	0.56	0.55	0.53	0.49	0.51	0.40
Max	0.56	0.55	0.53	0.49	0.51	0.40
UL	0.78	0.78	0.78	0.78	0.78	0.78



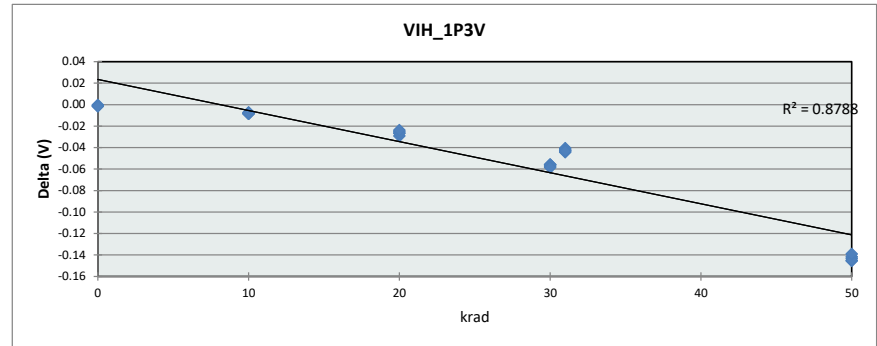
TID Report

SN54SC4T125-SEP

VIH_1P3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.78
Min Limit	0.2

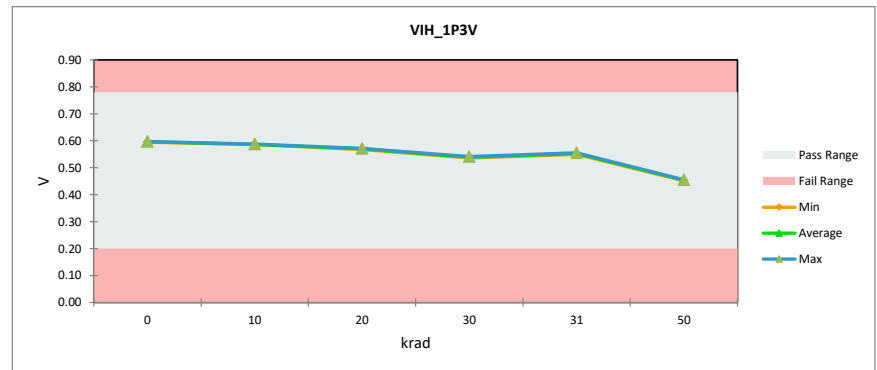
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.597	0.597	0.00	-0.05%	0.06%
0	2	0.598	0.597	0.00	-0.17%	0.18%
0	3	0.596	0.594	0.00	-0.25%	0.26%
10	4	0.596	0.587	-0.01	-1.42%	1.46%
10	5	0.595	0.586	-0.01	-1.40%	1.44%
10	6	0.595	0.587	-0.01	-1.40%	1.43%
10	7	0.594	0.586	-0.01	-1.21%	1.24%
10	8	0.594	0.586	-0.01	-1.26%	1.29%
20	9	0.596	0.567	-0.03	-4.88%	5.02%
20	10	0.597	0.572	-0.03	-4.21%	4.33%
20	11	0.596	0.569	-0.03	-4.46%	4.58%
20	12	0.597	0.571	-0.03	-4.44%	4.57%
20	13	0.595	0.571	-0.02	-3.98%	4.08%
30	14	0.596	0.540	-0.06	-9.42%	9.68%
30	15	0.594	0.536	-0.06	-9.66%	9.89%
30	16	0.594	0.538	-0.06	-9.37%	9.59%
30	17	0.597	0.541	-0.06	-9.40%	9.68%
30	18	0.596	0.537	-0.06	-9.82%	10.09%
31	19	0.596	0.555	-0.04	-6.79%	6.98%
31	20	0.594	0.551	-0.04	-7.10%	7.26%
31	21	0.594	0.549	-0.04	-7.46%	7.64%
31	22	0.597	0.555	-0.04	-7.11%	7.32%
31	23	0.596	0.553	-0.04	-7.26%	7.46%
50	24	0.598	0.455	-0.14	-23.90%	24.65%
50	25	0.596	0.454	-0.14	-23.75%	24.41%
50	26	0.598	0.453	-0.15	-24.29%	25.07%
50	27	0.597	0.452	-0.14	-24.30%	25.00%
50	28	0.594	0.455	-0.14	-23.40%	23.95%
	Max	0.598	0.597	0.00	-0.05%	25.07%
	Average	0.596	0.546	-0.05	-8.29%	8.52%
	Min	0.594	0.452	-0.14	-24.30%	0.06%
	Std Dev	0.002	0.048	0.05	8.06%	8.29%



VIH_1P3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.78
Min Limit	0.2

krad	0	10	20	30	31	50
LL	0.20	0.20	0.20	0.20	0.20	0.20
Min	0.59	0.59	0.57	0.54	0.55	0.45
Average	0.60	0.59	0.57	0.54	0.55	0.45
Max	0.60	0.59	0.57	0.54	0.56	0.46
UL	0.78	0.78	0.78	0.78	0.78	0.78



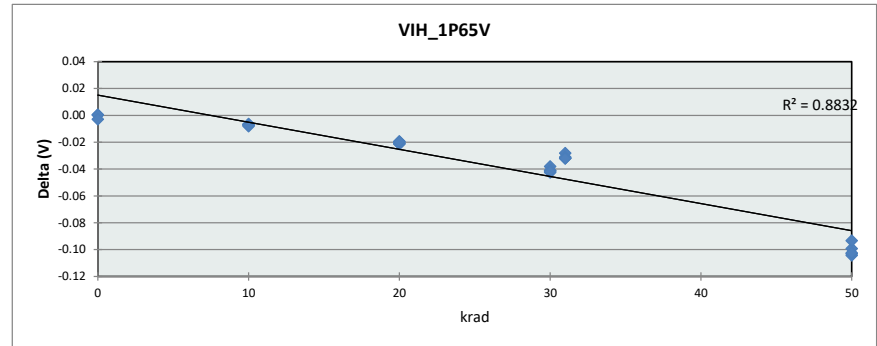
TID Report

SN54SC4T125-SEP

VIH_1P65V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.1
Min Limit	0.5

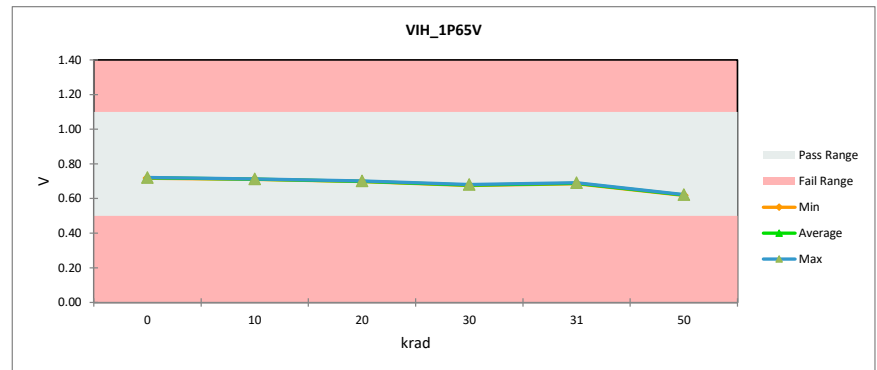
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.721	0.721	0.00	0.07%	0.08%
0	2	0.721	0.721	0.00	0.04%	0.04%
0	3	0.720	0.717	0.00	-0.39%	0.47%
10	4	0.720	0.713	-0.01	-1.01%	1.21%
10	5	0.718	0.711	-0.01	-0.95%	1.13%
10	6	0.718	0.712	-0.01	-0.89%	1.06%
10	7	0.718	0.711	-0.01	-0.98%	1.17%
10	8	0.718	0.710	-0.01	-1.12%	1.34%
20	9	0.719	0.698	-0.02	-2.86%	3.42%
20	10	0.720	0.701	-0.02	-2.69%	3.23%
20	11	0.720	0.699	-0.02	-2.93%	3.52%
20	12	0.721	0.699	-0.02	-2.97%	3.56%
20	13	0.718	0.698	-0.02	-2.73%	3.27%
30	14	0.719	0.681	-0.04	-5.29%	6.34%
30	15	0.717	0.676	-0.04	-5.74%	6.85%
30	16	0.716	0.675	-0.04	-5.73%	6.84%
30	17	0.721	0.678	-0.04	-5.89%	7.07%
30	18	0.721	0.679	-0.04	-5.82%	6.99%
31	19	0.719	0.691	-0.03	-3.91%	4.69%
31	20	0.717	0.685	-0.03	-4.47%	5.34%
31	21	0.716	0.685	-0.03	-4.34%	5.17%
31	22	0.721	0.689	-0.03	-4.40%	5.29%
31	23	0.721	0.689	-0.03	-4.43%	5.32%
50	24	0.723	0.620	-0.10	-14.25%	17.17%
50	25	0.720	0.621	-0.10	-13.78%	16.54%
50	26	0.724	0.620	-0.10	-14.41%	17.38%
50	27	0.720	0.618	-0.10	-14.23%	17.08%
50	28	0.716	0.623	-0.09	-13.03%	15.55%
	Max	0.724	0.721	0.00	0.07%	17.38%
	Average	0.719	0.684	-0.04	-4.97%	5.97%
	Min	0.716	0.618	-0.10	-14.41%	0.04%
	Std Dev	0.002	0.033	0.03	4.64%	5.57%



VIH_1P65V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.1
Min Limit	0.5

	krad	0	10	20	30	31	50
LL		0.50	0.50	0.50	0.50	0.50	0.50
Min		0.72	0.71	0.70	0.67	0.68	0.62
Average		0.72	0.71	0.70	0.68	0.69	0.62
Max		0.72	0.71	0.70	0.68	0.69	0.62
UL		1.10	1.10	1.10	1.10	1.10	1.10



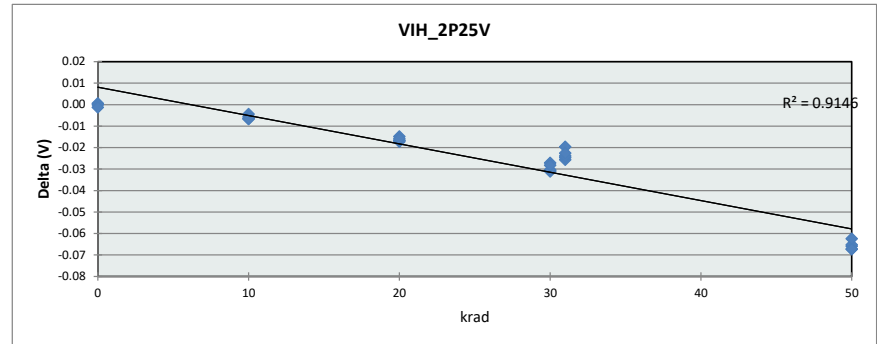
TID Report

SN54SC4T125-SEP

VIH_2P25V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.28
Min Limit	0.65

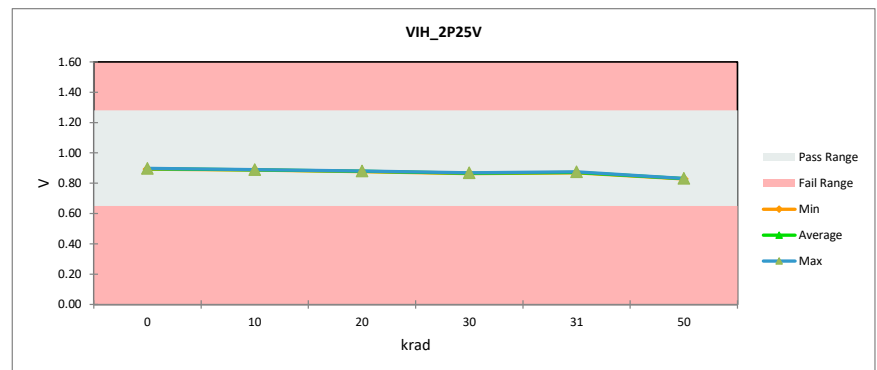
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.897	0.898	0.00	0.06%	0.09%
0	2	0.896	0.896	0.00	-0.01%	0.01%
0	3	0.894	0.892	0.00	-0.14%	0.20%
10	4	0.896	0.890	-0.01	-0.74%	1.06%
10	5	0.894	0.890	0.00	-0.49%	0.70%
10	6	0.894	0.888	-0.01	-0.62%	0.88%
10	7	0.894	0.887	-0.01	-0.69%	0.98%
10	8	0.894	0.887	-0.01	-0.73%	1.03%
20	9	0.893	0.878	-0.01	-1.65%	2.35%
20	10	0.896	0.880	-0.02	-1.85%	2.64%
20	11	0.896	0.878	-0.02	-1.92%	2.73%
20	12	0.895	0.878	-0.02	-1.86%	2.64%
20	13	0.892	0.876	-0.02	-1.77%	2.51%
30	14	0.895	0.868	-0.03	-3.03%	4.31%
30	15	0.894	0.863	-0.03	-3.44%	4.88%
30	16	0.894	0.863	-0.03	-3.48%	4.94%
30	17	0.896	0.865	-0.03	-3.38%	4.81%
30	18	0.896	0.868	-0.03	-3.15%	4.48%
31	19	0.895	0.875	-0.02	-2.19%	3.11%
31	20	0.894	0.868	-0.03	-2.87%	4.07%
31	21	0.894	0.869	-0.02	-2.76%	3.91%
31	22	0.896	0.872	-0.02	-2.67%	3.79%
31	23	0.896	0.873	-0.02	-2.52%	3.59%
50	24	0.896	0.830	-0.07	-7.35%	10.46%
50	25	0.896	0.830	-0.07	-7.29%	10.36%
50	26	0.898	0.831	-0.07	-7.48%	10.67%
50	27	0.895	0.828	-0.07	-7.52%	10.69%
50	28	0.893	0.830	-0.06	-6.99%	9.90%
	Max	0.898	0.898	0.00	0.06%	10.69%
	Average	0.895	0.870	-0.03	-2.81%	3.99%
	Min	0.892	0.828	-0.06	-7.52%	10.69%
	Std Dev	0.001	0.021	0.02	2.40%	3.40%



VIH_2P25V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.28
Min Limit	0.65

krad	0	10	20	30	31	50
LL	0.65	0.65	0.65	0.65	0.65	0.65
Min	0.89	0.89	0.88	0.86	0.87	0.83
Average	0.90	0.89	0.88	0.87	0.87	0.83
Max	0.90	0.89	0.88	0.87	0.88	0.83
UL	1.28	1.28	1.28	1.28	1.28	1.28



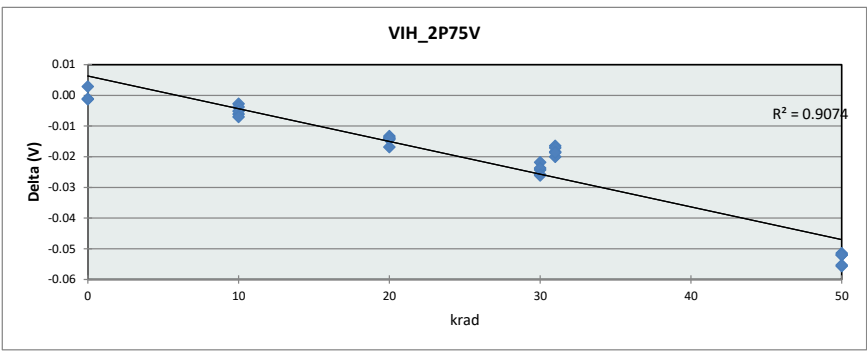
TID Report

SN54SC4T125-SEP

VIH_2P75V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.28
Min Limit	0.65

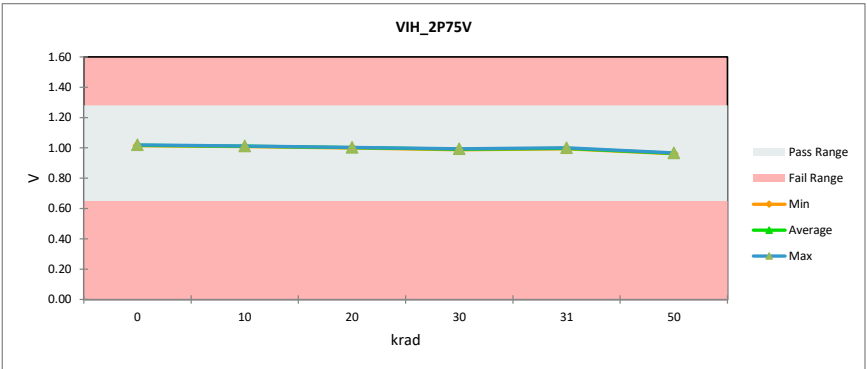
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.017	1.020	0.00	0.29%	0.46%
0	2	1.017	1.016	0.00	-0.12%	0.20%
0	3	1.016	1.015	0.00	-0.11%	0.18%
10	4	1.019	1.013	-0.01	-0.60%	0.97%
10	5	1.015	1.012	0.00	-0.27%	0.43%
10	6	1.015	1.011	0.00	-0.37%	0.60%
10	7	1.016	1.011	-0.01	-0.51%	0.82%
10	8	1.015	1.008	-0.01	-0.69%	1.12%
20	9	1.017	1.003	-0.01	-1.36%	2.20%
20	10	1.017	1.004	-0.01	-1.31%	2.11%
20	11	1.017	1.002	-0.01	-1.41%	2.28%
20	12	1.017	1.001	-0.02	-1.66%	2.68%
20	13	1.013	0.999	-0.01	-1.38%	2.22%
30	14	1.015	0.994	-0.02	-2.15%	3.46%
30	15	1.012	0.988	-0.02	-2.40%	3.86%
30	16	1.012	0.989	-0.02	-2.34%	3.76%
30	17	1.017	0.991	-0.03	-2.54%	4.10%
30	18	1.019	0.993	-0.03	-2.56%	4.14%
31	19	1.015	0.999	-0.02	-1.62%	2.61%
31	20	1.012	0.995	-0.02	-1.69%	2.72%
31	21	1.012	0.994	-0.02	-1.82%	2.92%
31	22	1.017	0.997	-0.02	-1.96%	3.17%
31	23	1.019	1.000	-0.02	-1.83%	2.96%
50	24	1.018	0.967	-0.05	-5.05%	8.16%
50	25	1.017	0.965	-0.05	-5.11%	8.25%
50	26	1.019	0.964	-0.06	-5.45%	8.83%
50	27	1.017	0.961	-0.06	-5.44%	8.78%
50	28	1.015	0.963	-0.05	-5.13%	8.26%
	Max	1.019	1.020	0.00	0.29%	8.83%
	Average	1.016	0.995	-0.02	-2.02%	3.29%
	Min	1.012	0.961	-0.05	-5.45%	0.18%
	Std Dev	0.002	0.017	0.02	1.71%	2.73%



VIH_2P75V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.28
Min Limit	0.65

krad	0	10	20	30	31	50
LL	0.65	0.65	0.65	0.65	0.65	0.65
Min	1.01	1.01	1.00	0.99	0.99	0.96
Average	1.02	1.01	1.00	0.99	1.00	0.96
Max	1.02	1.01	1.00	0.99	1.00	0.97
UL	1.28	1.28	1.28	1.28	1.28	1.28

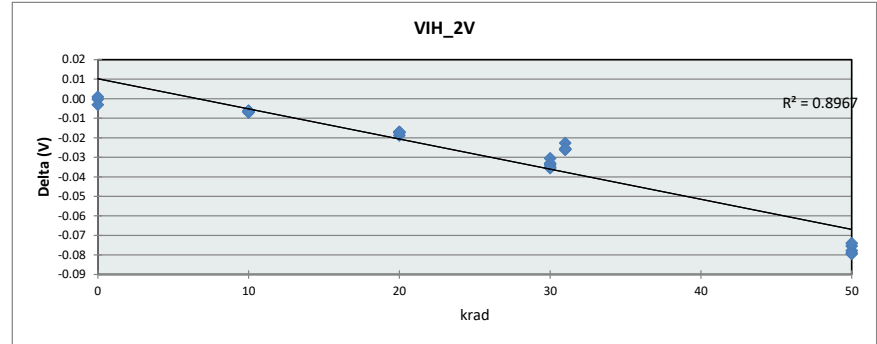


TID Report

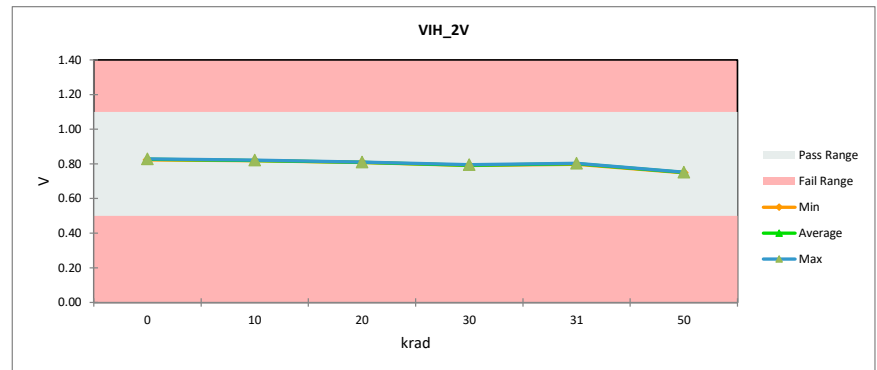
SN54SC4T125-SEP

VIH_2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.1
Min Limit	0.5

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.829	0.829	0.00	-0.03%	0.04%
0	2	0.827	0.828	0.00	0.12%	0.17%
0	3	0.826	0.823	0.00	-0.37%	0.50%
10	4	0.827	0.821	-0.01	-0.76%	1.05%
10	5	0.827	0.820	-0.01	-0.81%	1.11%
10	6	0.826	0.820	-0.01	-0.75%	1.04%
10	7	0.826	0.819	-0.01	-0.85%	1.17%
10	8	0.824	0.818	-0.01	-0.75%	1.03%
20	9	0.826	0.809	-0.02	-2.06%	2.84%
20	10	0.827	0.810	-0.02	-2.06%	2.84%
20	11	0.827	0.808	-0.02	-2.28%	3.14%
20	12	0.826	0.809	-0.02	-2.10%	2.90%
20	13	0.825	0.808	-0.02	-2.06%	2.84%
30	14	0.826	0.796	-0.03	-3.69%	5.08%
30	15	0.824	0.790	-0.03	-4.10%	5.64%
30	16	0.824	0.791	-0.03	-4.01%	5.51%
30	17	0.827	0.792	-0.04	-4.24%	5.84%
30	18	0.829	0.793	-0.04	-4.29%	5.92%
31	19	0.826	0.803	-0.02	-2.75%	3.78%
31	20	0.824	0.798	-0.03	-3.17%	4.35%
31	21	0.824	0.798	-0.03	-3.14%	4.31%
31	22	0.827	0.801	-0.03	-3.10%	4.28%
31	23	0.829	0.803	-0.03	-3.09%	4.26%
50	24	0.828	0.751	-0.08	-9.38%	12.96%
50	25	0.827	0.752	-0.08	-9.11%	12.56%
50	26	0.830	0.751	-0.08	-9.51%	13.16%
50	27	0.828	0.748	-0.08	-9.61%	13.25%
50	28	0.824	0.750	-0.07	-8.98%	12.33%
	Max	0.830	0.829	0.00	0.12%	13.25%
	Average	0.826	0.798	-0.03	-3.46%	4.78%
	Min	0.824	0.748	-0.08	-9.61%	0.04%
	Std Dev	0.002	0.025	0.02	3.07%	4.22%



VIH_2V		0	10	20	30	31	50
Test Site	SLAB						
Tester	ETS88B						
Test Number	EQ774000						
Units	V						
Max Limit	1.1						
Min Limit	0.5						
LL		0.50	0.50	0.50	0.50	0.50	0.50
Min		0.82	0.82	0.81	0.79	0.80	0.75
Average		0.83	0.82	0.81	0.79	0.80	0.75
Max		0.83	0.82	0.81	0.80	0.80	0.75
UL		1.10	1.10	1.10	1.10	1.10	1.10

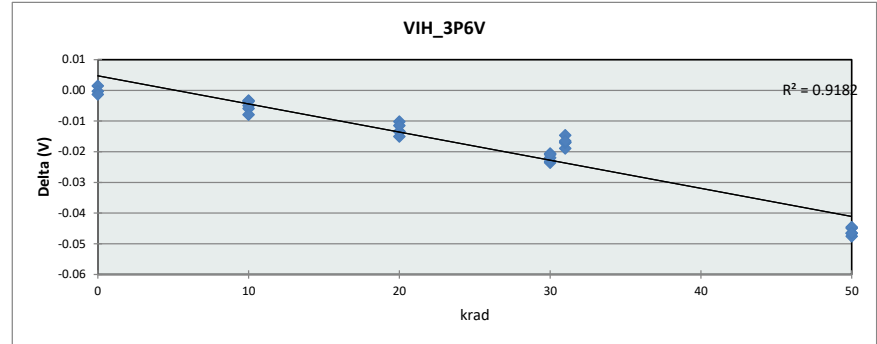


TID Report SN54SC4T125-SEP

VIH_3P6V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.45
Min Limit	0.75

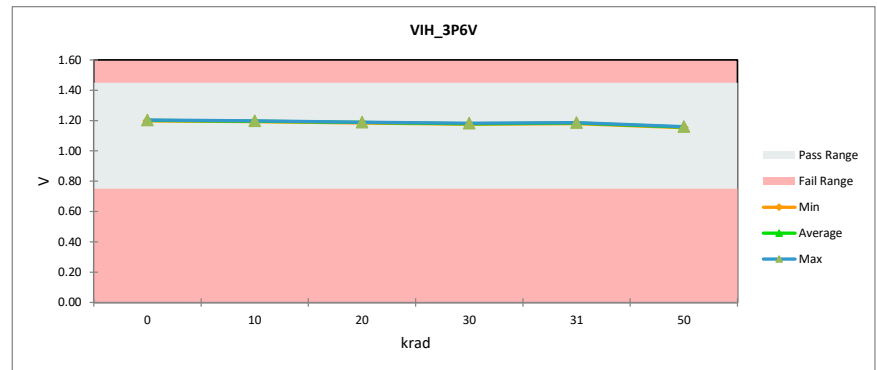
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.202	1.203	0.00	0.12%	0.21%
0	2	1.203	1.203	0.00	-0.02%	0.04%
0	3	1.199	1.198	0.00	-0.11%	0.19%
10	4	1.202	1.198	0.00	-0.41%	0.70%
10	5	1.201	1.198	0.00	-0.30%	0.51%
10	6	1.199	1.195	0.00	-0.28%	0.48%
10	7	1.201	1.195	-0.01	-0.49%	0.85%
10	8	1.201	1.193	-0.01	-0.66%	1.13%
20	9	1.199	1.189	-0.01	-0.85%	1.45%
20	10	1.203	1.189	-0.01	-1.11%	1.91%
20	11	1.202	1.189	-0.01	-1.12%	1.92%
20	12	1.200	1.188	-0.01	-0.96%	1.64%
20	13	1.198	1.183	-0.02	-1.26%	2.15%
30	14	1.202	1.181	-0.02	-1.72%	2.94%
30	15	1.199	1.176	-0.02	-1.96%	3.36%
30	16	1.199	1.177	-0.02	-1.83%	3.13%
30	17	1.202	1.179	-0.02	-1.92%	3.30%
30	18	1.203	1.182	-0.02	-1.74%	2.99%
31	19	1.202	1.187	-0.01	-1.22%	2.09%
31	20	1.199	1.180	-0.02	-1.58%	2.70%
31	21	1.199	1.182	-0.02	-1.41%	2.41%
31	22	1.202	1.185	-0.02	-1.42%	2.43%
31	23	1.203	1.187	-0.02	-1.37%	2.36%
50	24	1.204	1.160	-0.04	-3.73%	6.42%
50	25	1.203	1.158	-0.04	-3.71%	6.37%
50	26	1.204	1.158	-0.05	-3.87%	6.65%
50	27	1.201	1.153	-0.05	-3.96%	6.79%
50	28	1.200	1.154	-0.05	-3.87%	6.64%
Max		1.204	1.203	0.00	0.12%	6.79%
Average		1.201	1.183	-0.02	-1.53%	2.64%
Min		1.198	1.153	-0.05	-3.96%	0.04%
Std Dev		0.002	0.014	0.01	1.24%	2.11%



VIH_3P6V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.45
Min Limit	0.75

krad	0	10	20	30	31	50
LL	0.75	0.75	0.75	0.75	0.75	0.75
Min	1.20	1.19	1.18	1.18	1.18	1.15
Average	1.20	1.20	1.19	1.18	1.18	1.16
Max	1.20	1.20	1.19	1.18	1.19	1.16
UL	1.45	1.45	1.45	1.45	1.45	1.45

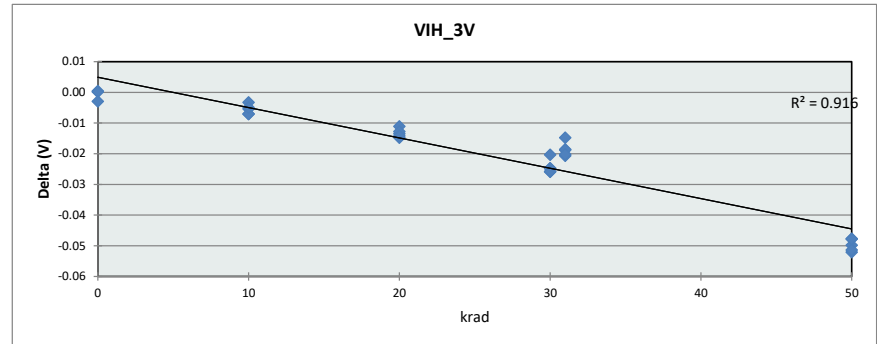


TID Report SN54SC4T125-SEP

VIH_3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.45
Min Limit	0.75

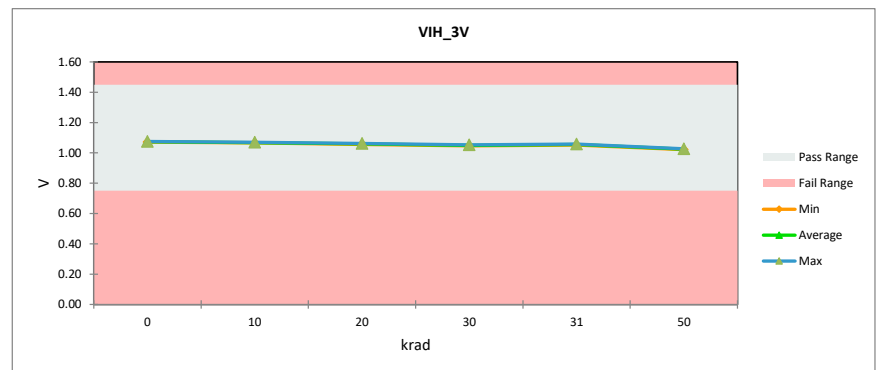
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.075	1.075	0.00	0.04%	0.06%
0	2	1.074	1.075	0.00	0.02%	0.03%
0	3	1.074	1.071	0.00	-0.27%	0.42%
10	4	1.075	1.070	-0.01	-0.50%	0.77%
10	5	1.073	1.069	0.00	-0.30%	0.46%
10	6	1.073	1.065	-0.01	-0.66%	1.00%
10	7	1.074	1.067	-0.01	-0.66%	1.01%
10	8	1.072	1.068	0.00	-0.46%	0.71%
20	9	1.073	1.062	-0.01	-1.03%	1.58%
20	10	1.075	1.060	-0.01	-1.37%	2.11%
20	11	1.073	1.059	-0.01	-1.25%	1.92%
20	12	1.072	1.059	-0.01	-1.19%	1.82%
20	13	1.070	1.056	-0.01	-1.33%	2.03%
30	14	1.073	1.053	-0.02	-1.89%	2.90%
30	15	1.071	1.046	-0.02	-2.31%	3.53%
30	16	1.072	1.047	-0.03	-2.41%	3.69%
30	17	1.074	1.049	-0.02	-2.31%	3.54%
30	18	1.078	1.052	-0.03	-2.39%	3.68%
31	19	1.073	1.058	-0.01	-1.38%	2.11%
31	20	1.071	1.052	-0.02	-1.75%	2.68%
31	21	1.072	1.052	-0.02	-1.92%	2.95%
31	22	1.074	1.055	-0.02	-1.73%	2.65%
31	23	1.078	1.058	-0.02	-1.87%	2.88%
50	24	1.074	1.027	-0.05	-4.44%	6.81%
50	25	1.075	1.025	-0.05	-4.63%	7.11%
50	26	1.077	1.025	-0.05	-4.83%	7.43%
50	27	1.073	1.021	-0.05	-4.79%	7.33%
50	28	1.071	1.023	-0.05	-4.46%	6.83%
Max		1.078	1.075	0.00	0.04%	7.43%
Average		1.073	1.053	-0.02	-1.86%	2.86%
Min		1.070	1.021	-0.05	-4.83%	0.03%
Std Dev		0.002	0.016	0.01	1.50%	2.29%



VIH_3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.45
Min Limit	0.75

krad	0	10	20	30	31	50
LL	0.75	0.75	0.75	0.75	0.75	0.75
Min	1.07	1.07	1.06	1.05	1.05	1.02
Average	1.07	1.07	1.06	1.05	1.05	1.02
Max	1.07	1.07	1.06	1.05	1.06	1.03
UL	1.45	1.45	1.45	1.45	1.45	1.45



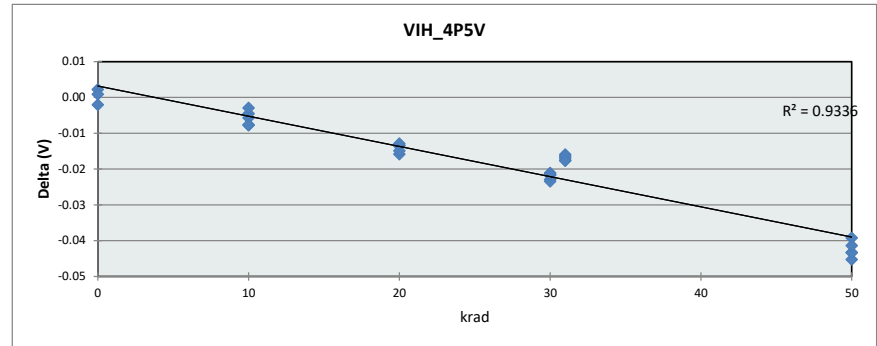
TID Report

SN54SC4T125-SEP

VIH_4P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	2
Min Limit	0.85

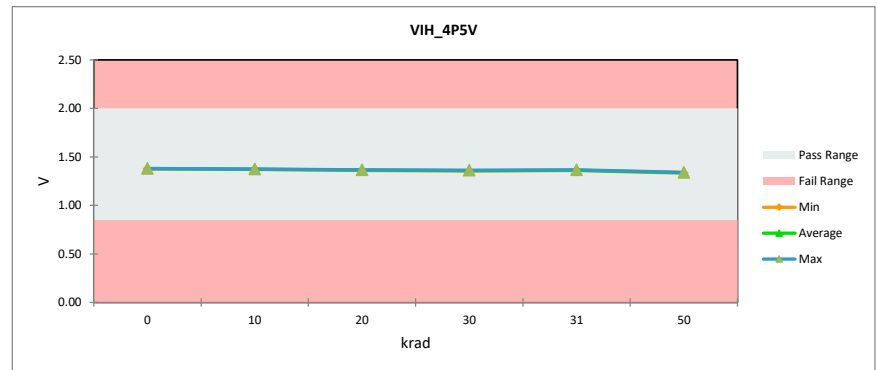
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.379	1.381	0.00	0.16%	0.19%
0	2	1.379	1.380	0.00	0.07%	0.08%
0	3	1.377	1.375	0.00	-0.15%	0.17%
10	4	1.379	1.375	0.00	-0.33%	0.39%
10	5	1.381	1.375	-0.01	-0.41%	0.49%
10	6	1.376	1.373	0.00	-0.21%	0.25%
10	7	1.379	1.371	-0.01	-0.56%	0.67%
10	8	1.378	1.370	-0.01	-0.55%	0.66%
20	9	1.381	1.368	-0.01	-0.97%	1.16%
20	10	1.381	1.365	-0.02	-1.15%	1.38%
20	11	1.380	1.367	-0.01	-0.98%	1.18%
20	12	1.378	1.365	-0.01	-0.94%	1.12%
20	13	1.376	1.361	-0.01	-1.08%	1.30%
30	14	1.381	1.360	-0.02	-1.53%	1.83%
30	15	1.377	1.354	-0.02	-1.66%	1.99%
30	16	1.378	1.355	-0.02	-1.70%	2.04%
30	17	1.380	1.358	-0.02	-1.57%	1.89%
30	18	1.384	1.362	-0.02	-1.55%	1.87%
31	19	1.381	1.364	-0.02	-1.22%	1.47%
31	20	1.377	1.361	-0.02	-1.16%	1.38%
31	21	1.378	1.361	-0.02	-1.27%	1.52%
31	22	1.380	1.363	-0.02	-1.19%	1.43%
31	23	1.384	1.366	-0.02	-1.27%	1.53%
50	24	1.380	1.341	-0.04	-2.84%	3.41%
50	25	1.381	1.338	-0.04	-3.13%	3.76%
50	26	1.384	1.338	-0.05	-3.27%	3.94%
50	27	1.376	1.333	-0.04	-3.15%	3.76%
50	28	1.376	1.335	-0.04	-3.01%	3.60%
	Max	1.384	1.381	0.00	0.16%	3.94%
	Average	1.379	1.361	-0.02	-1.31%	1.59%
	Min	1.376	1.333	-0.04	-3.27%	0.08%
	Std Dev	0.002	0.013	0.01	0.99%	1.16%



VIH_4P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	2
Min Limit	0.85

krad	0	10	20	30	31	50
LL	0.85	0.85	0.85	0.85	0.85	0.85
Min	1.38	1.37	1.36	1.35	1.36	1.33
Average	1.38	1.37	1.37	1.36	1.36	1.34
Max	1.38	1.37	1.37	1.36	1.37	1.34
UL	2.00	2.00	2.00	2.00	2.00	2.00

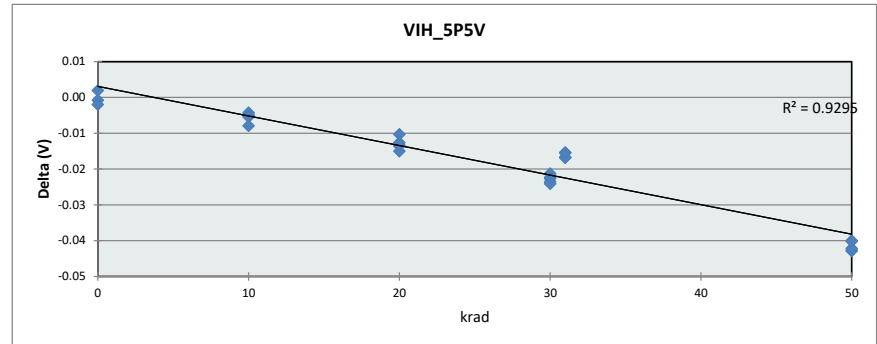


TID Report SN54SC4T125-SEP

VIH_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	2
Min Limit	0.85

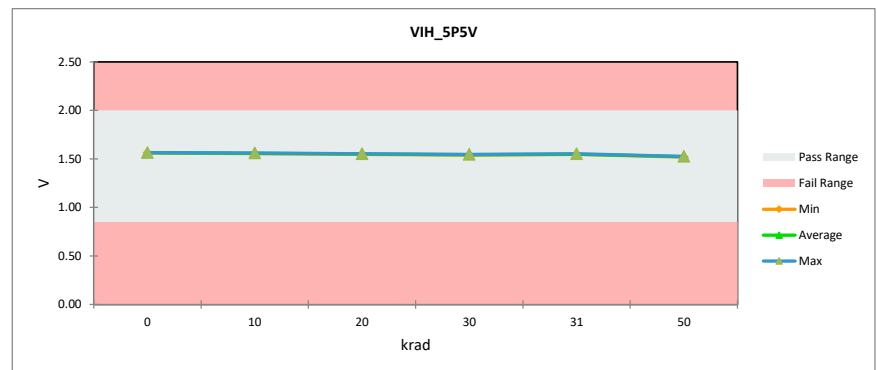
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.566	1.565	0.00	-0.05%	0.07%
0	2	1.566	1.564	0.00	-0.13%	0.17%
0	3	1.560	1.562	0.00	0.13%	0.17%
10	4	1.564	1.560	0.00	-0.27%	0.37%
10	5	1.566	1.561	-0.01	-0.32%	0.44%
10	6	1.562	1.557	0.00	-0.30%	0.41%
10	7	1.562	1.557	-0.01	-0.35%	0.47%
10	8	1.563	1.555	-0.01	-0.51%	0.69%
20	9	1.564	1.554	-0.01	-0.66%	0.89%
20	10	1.563	1.550	-0.01	-0.87%	1.18%
20	11	1.565	1.553	-0.01	-0.80%	1.09%
20	12	1.564	1.549	-0.02	-0.96%	1.31%
20	13	1.561	1.547	-0.01	-0.86%	1.16%
30	14	1.566	1.543	-0.02	-1.45%	1.97%
30	15	1.563	1.539	-0.02	-1.51%	2.05%
30	16	1.563	1.539	-0.02	-1.54%	2.09%
30	17	1.564	1.541	-0.02	-1.43%	1.94%
30	18	1.568	1.547	-0.02	-1.36%	1.85%
31	19	1.566	1.549	-0.02	-1.07%	1.45%
31	20	1.563	1.546	-0.02	-1.07%	1.46%
31	21	1.563	1.546	-0.02	-1.07%	1.46%
31	22	1.564	1.548	-0.02	-0.98%	1.34%
31	23	1.568	1.552	-0.02	-0.99%	1.34%
50	24	1.566	1.526	-0.04	-2.55%	3.48%
50	25	1.567	1.524	-0.04	-2.72%	3.71%
50	26	1.567	1.524	-0.04	-2.74%	3.73%
50	27	1.561	1.519	-0.04	-2.70%	3.67%
50	28	1.563	1.523	-0.04	-2.57%	3.49%
	Max	1.568	1.565	0.00	0.13%	3.73%
	Average	1.564	1.546	-0.02	-1.13%	1.55%
	Min	1.560	1.519	-0.04	-2.74%	0.07%
	Std Dev	0.002	0.013	0.01	0.85%	1.14%



VIH_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	2
Min Limit	0.85

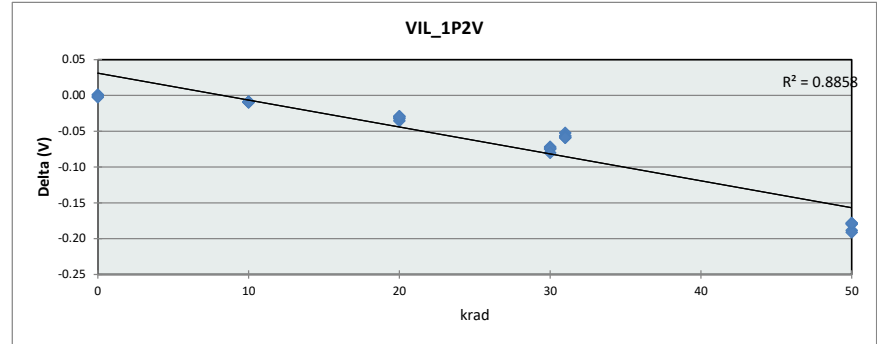
krad	0	10	20	30	31	50
LL	0.85	0.85	0.85	0.85	0.85	0.85
Min	1.56	1.56	1.55	1.54	1.55	1.52
Average	1.56	1.56	1.55	1.54	1.55	1.52
Max	1.57	1.56	1.55	1.55	1.55	1.53
UL	2.00	2.00	2.00	2.00	2.00	2.00



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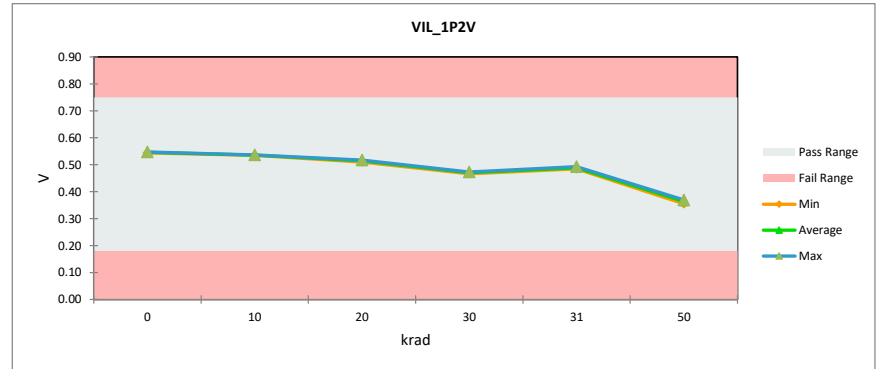
VIL_1P2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.75
Min Limit	0.18

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.546	0.547	0.00	0.21%	0.20%
0	2	0.548	0.547	0.00	-0.11%	0.11%
0	3	0.546	0.544	0.00	-0.45%	0.43%
10	4	0.546	0.537	-0.01	-1.75%	1.68%
10	5	0.544	0.535	-0.01	-1.70%	1.63%
10	6	0.544	0.535	-0.01	-1.63%	1.55%
10	7	0.544	0.535	-0.01	-1.65%	1.58%
10	8	0.544	0.536	-0.01	-1.60%	1.53%
20	9	0.545	0.510	-0.04	-6.50%	6.22%
20	10	0.546	0.517	-0.03	-5.28%	5.06%
20	11	0.545	0.513	-0.03	-5.90%	5.64%
20	12	0.547	0.516	-0.03	-5.72%	5.49%
20	13	0.545	0.515	-0.03	-5.37%	5.13%
30	14	0.545	0.473	-0.07	-13.16%	12.58%
30	15	0.544	0.469	-0.07	-13.76%	13.12%
30	16	0.544	0.471	-0.07	-13.44%	12.82%
30	17	0.547	0.472	-0.07	-13.64%	13.08%
30	18	0.546	0.466	-0.08	-14.62%	14.01%
31	19	0.545	0.493	-0.05	-9.57%	9.15%
31	20	0.544	0.487	-0.06	-10.39%	9.91%
31	21	0.544	0.485	-0.06	-10.85%	10.35%
31	22	0.547	0.490	-0.06	-10.37%	9.95%
31	23	0.546	0.487	-0.06	-10.80%	10.34%
50	24	0.548	0.369	-0.18	-32.52%	31.24%
50	25	0.546	0.366	-0.18	-32.90%	31.52%
50	26	0.549	0.361	-0.19	-34.26%	33.02%
50	27	0.546	0.355	-0.19	-35.00%	33.53%
50	28	0.544	0.365	-0.18	-32.86%	31.35%
	Max	0.549	0.547	0.00	0.21%	33.53%
	Average	0.545	0.482	-0.06	-11.63%	11.15%
	Min	0.544	0.355	-0.19	-35.00%	0.11%
	Std Dev	0.001	0.062	0.06	11.38%	10.90%



VIL_1P2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.75
Min Limit	0.18

	0	10	20	30	31	50
LL	0.18	0.18	0.18	0.18	0.18	0.18
Min	0.54	0.53	0.51	0.47	0.48	0.35
Average	0.55	0.54	0.51	0.47	0.49	0.36
Max	0.55	0.54	0.52	0.47	0.49	0.37
UL	0.75	0.75	0.75	0.75	0.75	0.75



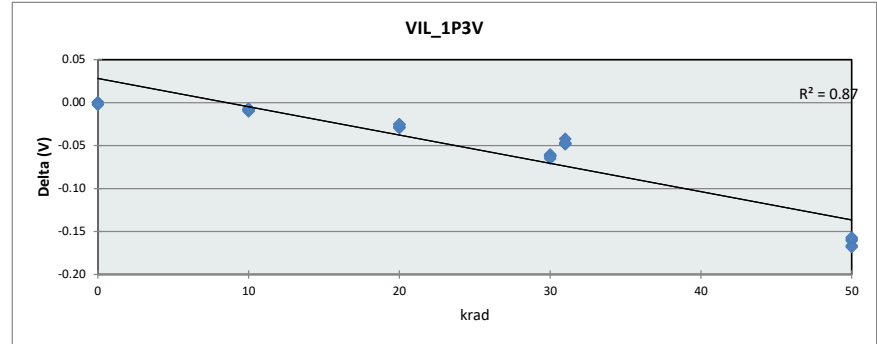
TID Report

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VIL_1P3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.75
Min Limit	0.18

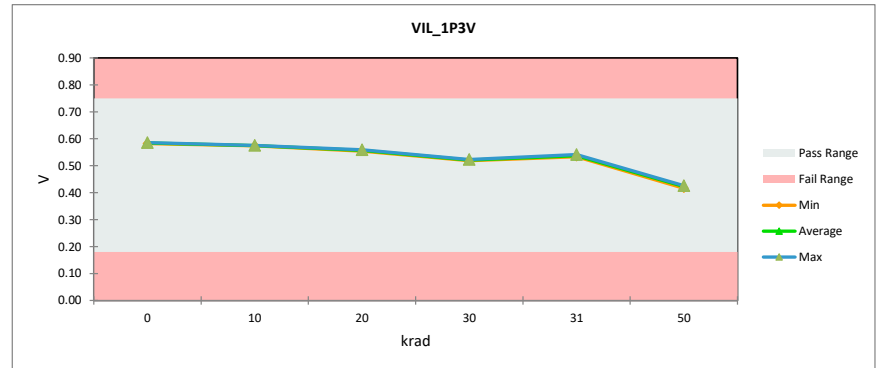
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.585	0.585	0.00	0.12%	0.12%
0	2	0.586	0.586	0.00	-0.01%	0.01%
0	3	0.585	0.582	0.00	-0.41%	0.42%
10	4	0.585	0.574	-0.01	-1.73%	1.78%
10	5	0.583	0.575	-0.01	-1.40%	1.43%
10	6	0.583	0.574	-0.01	-1.46%	1.50%
10	7	0.582	0.574	-0.01	-1.38%	1.41%
10	8	0.582	0.575	-0.01	-1.16%	1.18%
20	9	0.584	0.554	-0.03	-5.05%	5.17%
20	10	0.585	0.559	-0.03	-4.38%	4.49%
20	11	0.584	0.556	-0.03	-4.75%	4.86%
20	12	0.585	0.556	-0.03	-4.91%	5.03%
20	13	0.583	0.558	-0.02	-4.28%	4.38%
30	14	0.583	0.523	-0.06	-10.36%	10.61%
30	15	0.582	0.520	-0.06	-10.75%	10.98%
30	16	0.582	0.521	-0.06	-10.53%	10.75%
30	17	0.585	0.523	-0.06	-10.58%	10.86%
30	18	0.583	0.518	-0.06	-11.12%	11.38%
31	19	0.583	0.541	-0.04	-7.22%	7.39%
31	20	0.582	0.535	-0.05	-8.19%	8.37%
31	21	0.582	0.533	-0.05	-8.33%	8.50%
31	22	0.585	0.537	-0.05	-8.14%	8.36%
31	23	0.583	0.537	-0.05	-8.00%	8.18%
50	24	0.587	0.426	-0.16	-27.37%	28.16%
50	25	0.585	0.426	-0.16	-27.17%	27.86%
50	26	0.588	0.422	-0.17	-28.28%	29.17%
50	27	0.584	0.416	-0.17	-28.75%	29.46%
50	28	0.582	0.425	-0.16	-26.94%	27.51%
	Max	0.588	0.586	0.00	0.12%	29.46%
	Average	0.584	0.529	-0.05	-9.38%	9.62%
	Min	0.582	0.416	-0.17	-28.75%	0.01%
	Std Dev	0.001	0.055	0.05	9.40%	9.64%



VIL_1P3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.75
Min Limit	0.18

krad	0	10	20	30	31	50
LL	0.18	0.18	0.18	0.18	0.18	0.18
Min	0.58	0.57	0.55	0.52	0.53	0.42
Average	0.58	0.57	0.56	0.52	0.54	0.42
Max	0.59	0.57	0.56	0.52	0.54	0.43
UL	0.75	0.75	0.75	0.75	0.75	0.75



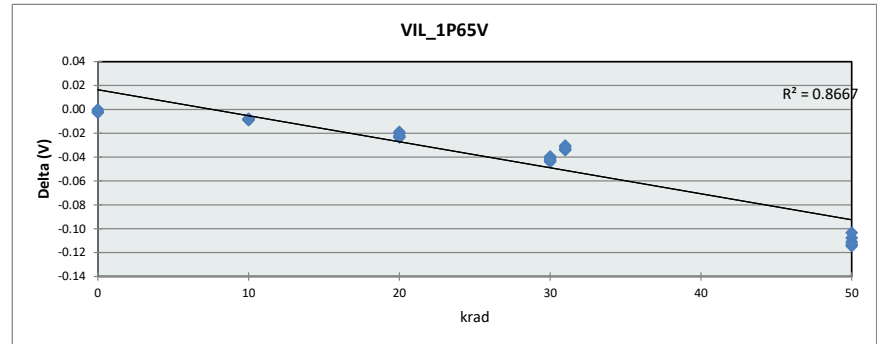
TID Report

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VIL_1P65V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1
Min Limit	0.5

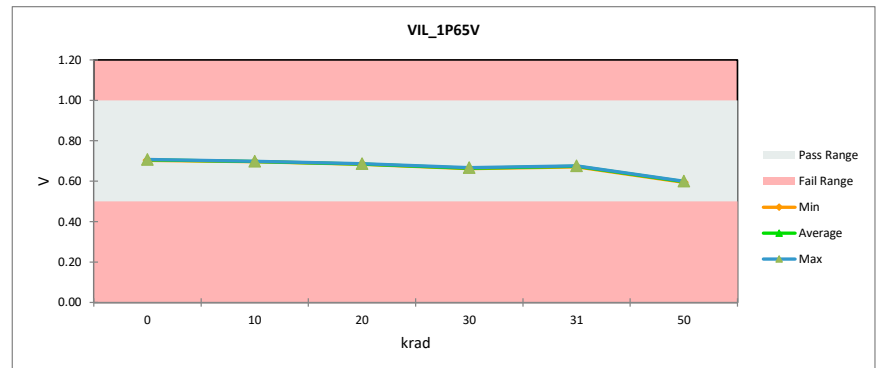
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.708	0.707	0.00	-0.22%	0.32%
0	2	0.708	0.707	0.00	-0.02%	0.03%
0	3	0.706	0.703	0.00	-0.39%	0.55%
10	4	0.707	0.699	-0.01	-1.25%	1.77%
10	5	0.706	0.698	-0.01	-1.14%	1.61%
10	6	0.705	0.697	-0.01	-1.15%	1.62%
10	7	0.705	0.696	-0.01	-1.24%	1.75%
10	8	0.704	0.696	-0.01	-1.15%	1.62%
20	9	0.707	0.683	-0.02	-3.29%	4.64%
20	10	0.706	0.687	-0.02	-2.68%	3.79%
20	11	0.705	0.685	-0.02	-2.84%	4.00%
20	12	0.708	0.685	-0.02	-3.29%	4.66%
20	13	0.705	0.683	-0.02	-3.14%	4.42%
30	14	0.706	0.667	-0.04	-5.60%	7.91%
30	15	0.703	0.662	-0.04	-5.84%	8.22%
30	16	0.705	0.662	-0.04	-6.09%	8.58%
30	17	0.707	0.664	-0.04	-6.20%	8.77%
30	18	0.707	0.665	-0.04	-6.00%	8.49%
31	19	0.706	0.676	-0.03	-4.29%	6.06%
31	20	0.703	0.671	-0.03	-4.53%	6.37%
31	21	0.705	0.671	-0.03	-4.80%	6.77%
31	22	0.707	0.673	-0.03	-4.80%	6.78%
31	23	0.707	0.675	-0.03	-4.55%	6.43%
50	24	0.709	0.598	-0.11	-15.65%	22.18%
50	25	0.707	0.600	-0.11	-15.22%	21.52%
50	26	0.711	0.596	-0.11	-16.10%	22.88%
50	27	0.707	0.594	-0.11	-16.00%	22.63%
50	28	0.703	0.600	-0.10	-14.68%	20.65%
	Max	0.711	0.707	0.00	-0.02%	22.88%
	Average	0.706	0.668	-0.04	-5.43%	7.68%
	Min	0.703	0.594	-0.11	-16.10%	0.03%
	Std Dev	0.002	0.036	0.03	5.15%	7.29%



VIL_1P65V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1
Min Limit	0.5

krad	0	10	20	30	31	50
LL	0.50	0.50	0.50	0.50	0.50	0.50
Min	0.70	0.70	0.68	0.66	0.67	0.59
Average	0.71	0.70	0.68	0.66	0.67	0.60
Max	0.71	0.70	0.69	0.67	0.68	0.60
UL	1.00	1.00	1.00	1.00	1.00	1.00



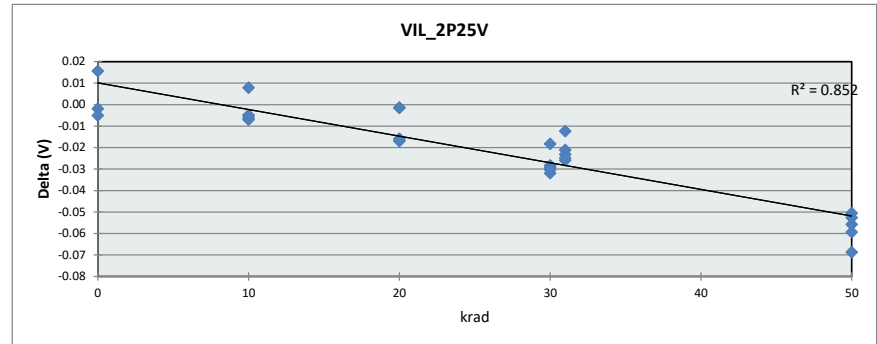
TID Report

SN54SC4T125-SEP

VIL_2P25V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.25
Min Limit	0.65

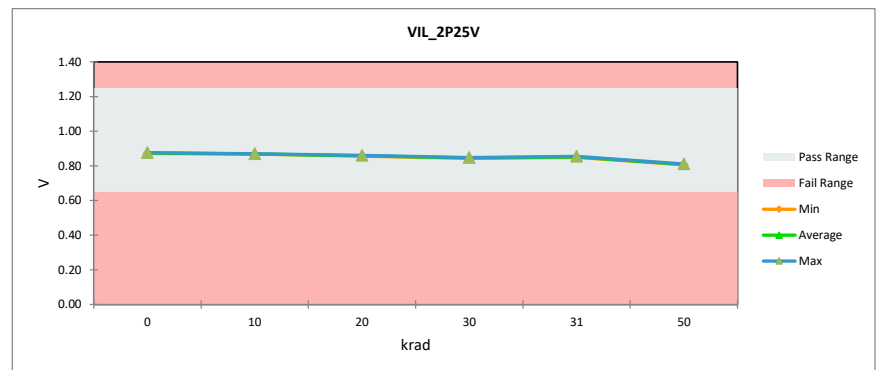
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.878	0.876	0.00	-0.22%	0.32%
0	2	0.860	0.876	0.02	1.82%	2.61%
0	3	0.876	0.871	-0.01	-0.58%	0.84%
10	4	0.874	0.868	-0.01	-0.71%	1.03%
10	5	0.875	0.868	-0.01	-0.80%	1.16%
10	6	0.874	0.869	-0.01	-0.57%	0.83%
10	7	0.875	0.870	0.00	-0.56%	0.82%
10	8	0.861	0.869	0.01	0.92%	1.32%
20	9	0.874	0.858	-0.02	-1.81%	2.64%
20	10	0.861	0.860	0.00	-0.17%	0.24%
20	11	0.859	0.858	0.00	-0.16%	0.23%
20	12	0.876	0.859	-0.02	-1.93%	2.82%
20	13	0.873	0.856	-0.02	-1.90%	2.76%
30	14	0.876	0.848	-0.03	-3.23%	4.71%
30	15	0.861	0.843	-0.02	-2.12%	3.05%
30	16	0.872	0.843	-0.03	-3.35%	4.87%
30	17	0.877	0.845	-0.03	-3.63%	5.31%
30	18	0.878	0.848	-0.03	-3.45%	5.04%
31	19	0.876	0.855	-0.02	-2.41%	3.51%
31	20	0.861	0.849	-0.01	-1.43%	2.05%
31	21	0.872	0.849	-0.02	-2.65%	3.85%
31	22	0.877	0.851	-0.03	-2.95%	4.31%
31	23	0.878	0.853	-0.02	-2.83%	4.15%
50	24	0.861	0.811	-0.05	-5.86%	8.41%
50	25	0.877	0.808	-0.07	-7.83%	11.45%
50	26	0.864	0.809	-0.06	-6.45%	9.29%
50	27	0.865	0.806	-0.06	-6.85%	9.88%
50	28	0.860	0.807	-0.05	-6.11%	8.76%
	Max	0.878	0.876	0.00	1.82%	11.45%
	Average	0.871	0.849	-0.02	-2.42%	3.80%
	Min	0.859	0.806	-0.05	-7.83%	0.23%
	Std Dev	0.007	0.022	0.01	2.41%	3.17%



VIL_2P25V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.25
Min Limit	0.65

krad	0	10	20	30	31	50
LL	0.65	0.65	0.65	0.65	0.65	0.65
Min	0.87	0.87	0.86	0.84	0.85	0.81
Average	0.87	0.87	0.86	0.85	0.85	0.81
Max	0.88	0.87	0.86	0.85	0.86	0.81
UL	1.25	1.25	1.25	1.25	1.25	1.25



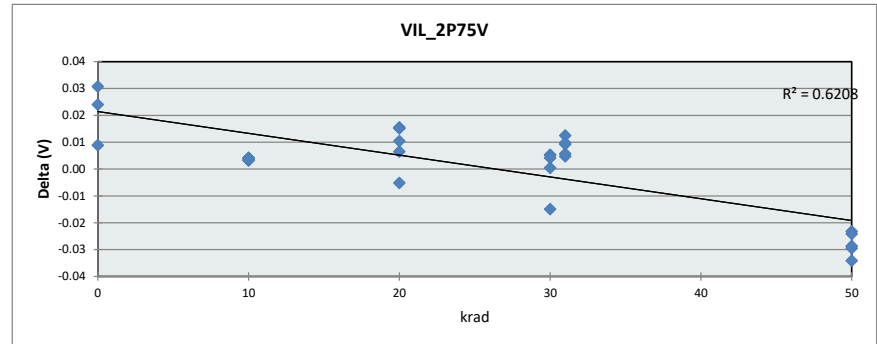
TID Report

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VIL_2P75V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.25
Min Limit	0.65

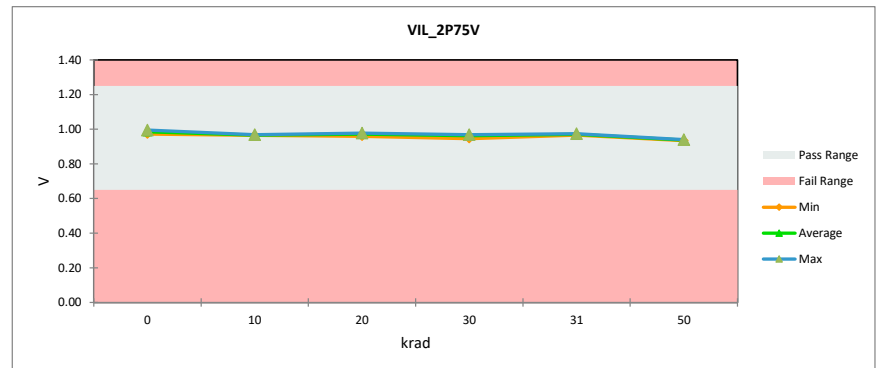
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.964	0.995	0.03	3.19%	5.13%
0	2	0.963	0.972	0.01	0.92%	1.48%
0	3	0.964	0.988	0.02	2.49%	4.00%
10	4	0.963	0.967	0.00	0.36%	0.58%
10	5	0.960	0.964	0.00	0.42%	0.68%
10	6	0.962	0.966	0.00	0.35%	0.57%
10	7	0.964	0.967	0.00	0.34%	0.54%
10	8	0.963	0.968	0.00	0.44%	0.70%
20	9	0.960	0.975	0.02	1.62%	2.59%
20	10	0.964	0.959	-0.01	-0.54%	0.86%
20	11	0.962	0.977	0.02	1.57%	2.52%
20	12	0.965	0.975	0.01	1.08%	1.74%
20	13	0.967	0.973	0.01	0.67%	1.09%
30	14	0.961	0.946	-0.01	-1.55%	2.49%
30	15	0.964	0.964	0.00	0.05%	0.08%
30	16	0.961	0.966	0.01	0.56%	0.89%
30	17	0.962	0.967	0.01	0.54%	0.86%
30	18	0.964	0.968	0.00	0.44%	0.70%
31	19	0.961	0.973	0.01	1.30%	2.09%
31	20	0.964	0.968	0.00	0.49%	0.79%
31	21	0.961	0.966	0.01	0.59%	0.95%
31	22	0.962	0.971	0.01	0.96%	1.54%
31	23	0.964	0.974	0.01	1.02%	1.64%
50	24	0.963	0.940	-0.02	-2.41%	3.86%
50	25	0.966	0.936	-0.03	-3.05%	4.91%
50	26	0.967	0.938	-0.03	-2.96%	4.78%
50	27	0.968	0.934	-0.03	-3.52%	5.68%
50	28	0.962	0.938	-0.02	-2.51%	4.02%
	Max	0.968	0.995	0.03	3.19%	5.68%
	Average	0.963	0.964	0.00	0.10%	2.06%
	Min	0.960	0.934	-0.03	-3.52%	0.08%
	Std Dev	0.002	0.015	0.01	1.66%	1.66%



VIL_2P75V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.25
Min Limit	0.65

krad	0	10	20	30	31	50
LL	0.65	0.65	0.65	0.65	0.65	0.65
Min	0.97	0.96	0.96	0.95	0.97	0.93
Average	0.99	0.97	0.97	0.96	0.97	0.94
Max	0.99	0.97	0.98	0.97	0.97	0.94
UL	1.25	1.25	1.25	1.25	1.25	1.25

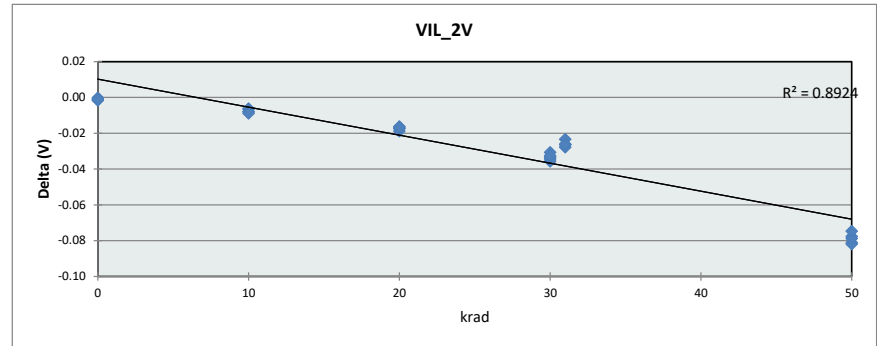


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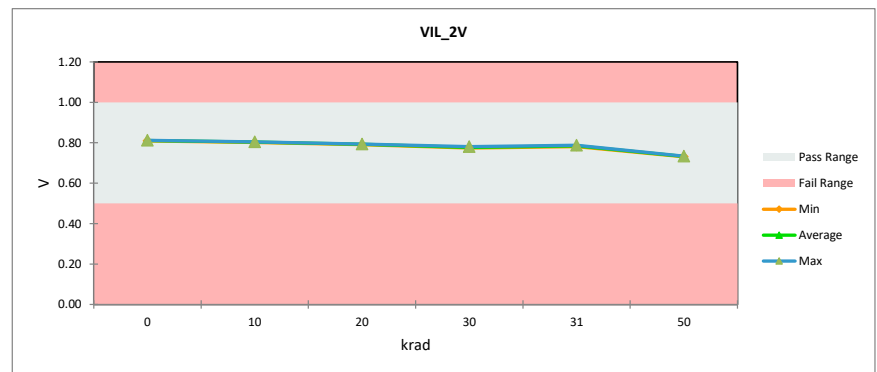
VIL_2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1
Min Limit	0.5

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.814	0.812	0.00	-0.20%	0.33%
0	2	0.812	0.812	0.00	-0.02%	0.03%
0	3	0.810	0.809	0.00	-0.12%	0.19%
10	4	0.811	0.803	-0.01	-0.99%	1.60%
10	5	0.811	0.805	-0.01	-0.79%	1.29%
10	6	0.811	0.805	-0.01	-0.77%	1.25%
10	7	0.811	0.803	-0.01	-0.97%	1.57%
10	8	0.810	0.801	-0.01	-1.09%	1.76%
20	9	0.812	0.793	-0.02	-2.31%	3.76%
20	10	0.809	0.793	-0.02	-2.01%	3.25%
20	11	0.809	0.792	-0.02	-2.14%	3.46%
20	12	0.811	0.794	-0.02	-2.13%	3.45%
20	13	0.808	0.791	-0.02	-2.05%	3.31%
30	14	0.811	0.780	-0.03	-3.78%	6.13%
30	15	0.808	0.775	-0.03	-4.12%	6.67%
30	16	0.809	0.773	-0.04	-4.41%	7.14%
30	17	0.811	0.777	-0.03	-4.22%	6.86%
30	18	0.812	0.780	-0.03	-4.00%	6.50%
31	19	0.811	0.788	-0.02	-2.88%	4.67%
31	20	0.808	0.781	-0.03	-3.43%	5.54%
31	21	0.809	0.783	-0.03	-3.25%	5.25%
31	22	0.811	0.785	-0.03	-3.24%	5.25%
31	23	0.812	0.786	-0.03	-3.22%	5.23%
50	24	0.813	0.732	-0.08	-9.98%	16.22%
50	25	0.811	0.734	-0.08	-9.57%	15.53%
50	26	0.814	0.732	-0.08	-10.06%	16.38%
50	27	0.809	0.731	-0.08	-9.73%	15.74%
50	28	0.808	0.734	-0.07	-9.24%	14.94%
	Max	0.814	0.812	0.00	-0.02%	16.38%
	Average	0.811	0.782	-0.03	-3.60%	5.83%
	Min	0.808	0.731	-0.08	-10.06%	0.03%
	Std Dev	0.002	0.026	0.02	3.18%	5.16%



VIL_2V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1
Min Limit	0.5

krad	0	10	20	30	31	50
LL	0.50	0.50	0.50	0.50	0.50	0.50
Min	0.81	0.80	0.79	0.77	0.78	0.73
Average	0.81	0.80	0.79	0.78	0.78	0.73
Max	0.81	0.80	0.79	0.78	0.79	0.73
UL	1.00	1.00	1.00	1.00	1.00	1.00

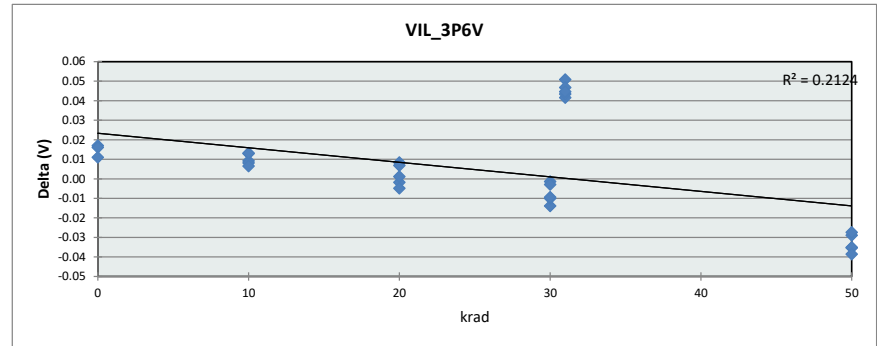


TID Report SN54SC4T125-SEP

VIL_3P6V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.35
Min Limit	0.75

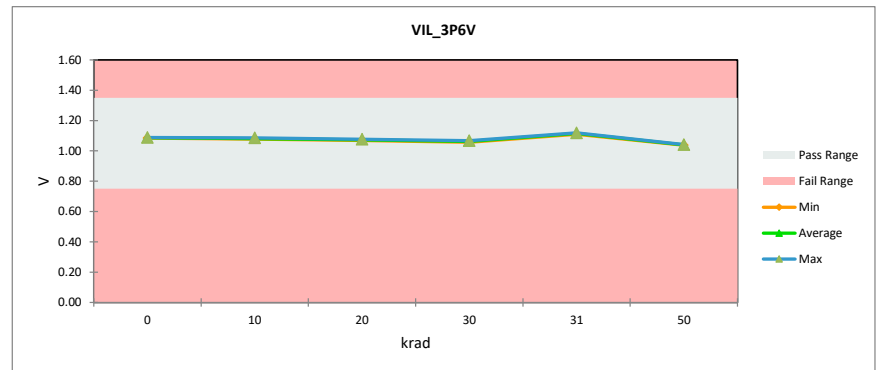
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.072	1.089	0.02	1.58%	2.83%
0	2	1.071	1.087	0.02	1.51%	2.69%
0	3	1.074	1.085	0.01	1.03%	1.83%
10	4	1.071	1.081	0.01	0.86%	1.53%
10	5	1.068	1.081	0.01	1.21%	2.16%
10	6	1.070	1.078	0.01	0.76%	1.36%
10	7	1.072	1.085	0.01	1.23%	2.20%
10	8	1.071	1.077	0.01	0.61%	1.09%
20	9	1.067	1.075	0.01	0.79%	1.40%
20	10	1.072	1.071	0.00	-0.16%	0.29%
20	11	1.069	1.076	0.01	0.65%	1.15%
20	12	1.073	1.074	0.00	0.11%	0.19%
20	13	1.073	1.068	0.00	-0.45%	0.81%
30	14	1.068	1.067	0.00	-0.13%	0.22%
30	15	1.071	1.057	-0.01	-1.29%	2.31%
30	16	1.068	1.065	0.00	-0.27%	0.49%
30	17	1.070	1.060	-0.01	-0.94%	1.67%
30	18	1.072	1.063	-0.01	-0.87%	1.56%
31	19	1.068	1.119	0.05	4.77%	8.48%
31	20	1.071	1.118	0.05	4.37%	7.80%
31	21	1.068	1.109	0.04	3.90%	6.93%
31	22	1.070	1.113	0.04	4.06%	7.24%
31	23	1.072	1.117	0.04	4.17%	7.45%
50	24	1.070	1.041	-0.03	-2.70%	4.81%
50	25	1.073	1.038	-0.04	-3.29%	5.88%
50	26	1.075	1.040	-0.04	-3.26%	5.84%
50	27	1.076	1.037	-0.04	-3.58%	6.42%
50	28	1.069	1.042	-0.03	-2.56%	4.56%
	Max	1.076	1.119	0.04	4.77%	8.48%
	Average	1.071	1.075	0.00	0.43%	3.26%
	Min	1.067	1.037	-0.03	-3.58%	6.42%
	Std Dev	0.002	0.024	0.02	2.35%	4.28%



VIL_3P6V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.35
Min Limit	0.75

krad	0	10	20	30	31	50
LL	0.75	0.75	0.75	0.75	0.75	0.75
Min	1.08	1.08	1.07	1.06	1.11	1.04
Average	1.09	1.08	1.07	1.06	1.12	1.04
Max	1.09	1.09	1.08	1.07	1.12	1.04
UL	1.35	1.35	1.35	1.35	1.35	1.35

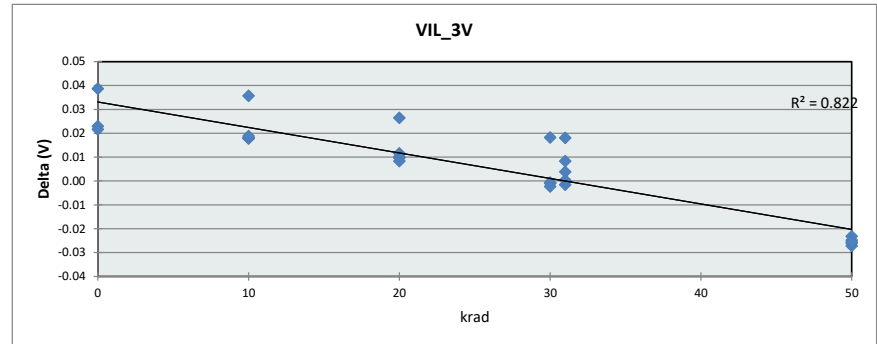


TID Report SN54SC4T125-SEP

VIL_3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.35
Min Limit	0.75

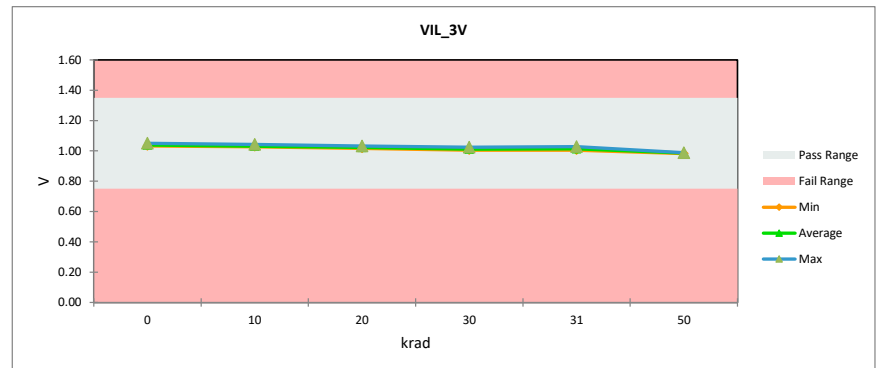
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.011	1.050	0.04	3.82%	6.45%
0	2	1.009	1.032	0.02	2.27%	3.82%
0	3	1.011	1.033	0.02	2.14%	3.61%
10	4	1.009	1.028	0.02	1.80%	3.02%
10	5	1.006	1.042	0.04	3.55%	5.95%
10	6	1.008	1.026	0.02	1.79%	3.00%
10	7	1.010	1.028	0.02	1.77%	2.98%
10	8	1.009	1.028	0.02	1.86%	3.14%
20	9	1.005	1.032	0.03	2.64%	4.42%
20	10	1.010	1.020	0.01	0.96%	1.61%
20	11	1.007	1.016	0.01	0.83%	1.40%
20	12	1.011	1.021	0.01	1.00%	1.69%
20	13	1.012	1.023	0.01	1.14%	1.93%
30	14	1.006	1.024	0.02	1.81%	3.04%
30	15	1.009	1.008	0.00	-0.07%	0.12%
30	16	1.006	1.005	0.00	-0.09%	0.15%
30	17	1.008	1.007	0.00	-0.08%	0.13%
30	18	1.010	1.008	0.00	-0.23%	0.38%
31	19	1.006	1.014	0.01	0.83%	1.39%
31	20	1.009	1.013	0.00	0.39%	0.65%
31	21	1.006	1.004	0.00	-0.15%	0.25%
31	22	1.008	1.008	0.00	0.03%	0.06%
31	23	1.010	1.028	0.02	1.79%	3.01%
50	24	1.009	0.986	-0.02	-2.30%	3.86%
50	25	1.011	0.987	-0.02	-2.46%	4.14%
50	26	1.013	0.986	-0.03	-2.68%	4.53%
50	27	1.014	0.988	-0.03	-2.57%	4.34%
50	28	1.007	0.982	-0.03	-2.54%	4.26%
Max		1.014	1.050	0.04	3.82%	6.45%
Average		1.009	1.015	0.01	0.62%	2.62%
Min		1.005	0.982	-0.02	-2.68%	0.06%
Std Dev		0.002	0.018	0.02	1.82%	1.83%



VIL_3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.35
Min Limit	0.75

krad	0	10	20	30	31	50
LL	0.75	0.75	0.75	0.75	0.75	0.75
Min	1.03	1.03	1.02	1.00	1.00	0.98
Average	1.04	1.03	1.02	1.01	1.01	0.99
Max	1.05	1.04	1.03	1.02	1.03	0.99
UL	1.35	1.35	1.35	1.35	1.35	1.35



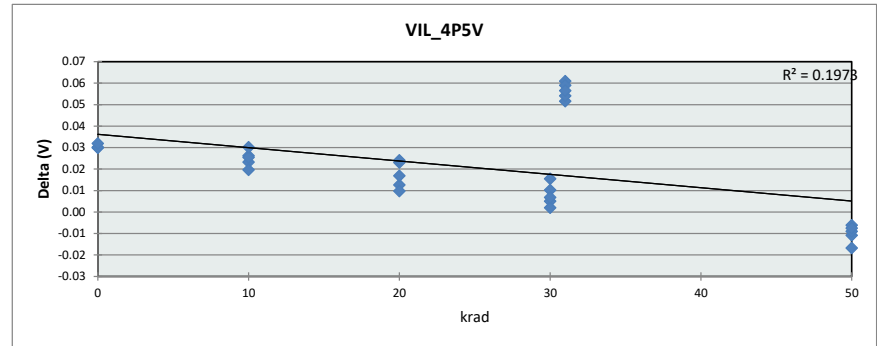
TID Report

SN54SC4T125-SEP

VIL_4P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.85
Min Limit	0.85

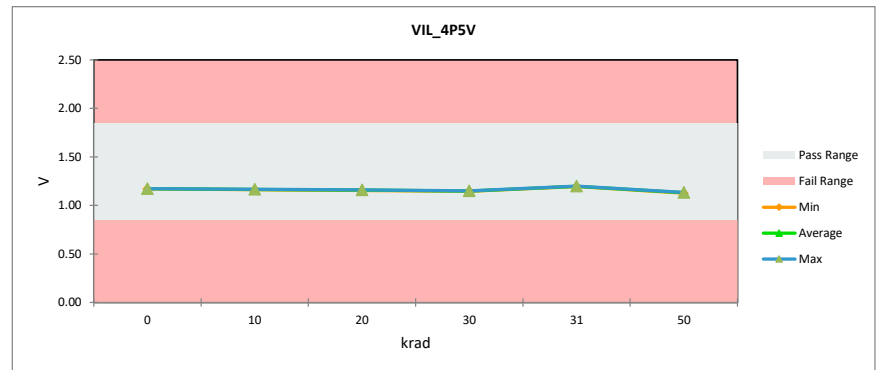
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.143	1.173	0.03	2.62%	2.99%
0	2	1.141	1.171	0.03	2.64%	3.01%
0	3	1.141	1.173	0.03	2.80%	3.20%
10	4	1.140	1.167	0.03	2.30%	2.62%
10	5	1.140	1.163	0.02	2.05%	2.33%
10	6	1.138	1.164	0.03	2.24%	2.54%
10	7	1.146	1.165	0.02	1.72%	1.97%
10	8	1.135	1.165	0.03	2.66%	3.02%
20	9	1.143	1.155	0.01	1.10%	1.26%
20	10	1.137	1.160	0.02	2.03%	2.31%
20	11	1.145	1.154	0.01	0.85%	0.97%
20	12	1.143	1.160	0.02	1.48%	1.69%
20	13	1.136	1.161	0.02	2.12%	2.41%
30	14	1.144	1.149	0.01	0.44%	0.50%
30	15	1.134	1.150	0.02	1.37%	1.55%
30	16	1.143	1.145	0.00	0.18%	0.20%
30	17	1.137	1.147	0.01	0.90%	1.02%
30	18	1.143	1.149	0.01	0.60%	0.68%
31	19	1.144	1.196	0.05	4.51%	5.16%
31	20	1.134	1.195	0.06	5.37%	6.10%
31	21	1.143	1.198	0.05	4.73%	5.41%
31	22	1.137	1.196	0.06	5.19%	5.90%
31	23	1.143	1.199	0.06	4.95%	5.65%
50	24	1.141	1.131	-0.01	-0.95%	1.08%
50	25	1.139	1.133	-0.01	-0.54%	0.61%
50	26	1.142	1.133	-0.01	-0.79%	0.90%
50	27	1.141	1.134	-0.01	-0.66%	0.75%
50	28	1.143	1.127	-0.02	-1.47%	1.68%
	Max	1.146	1.199	0.05	5.37%	6.10%
	Average	1.141	1.161	0.02	1.80%	2.41%
	Min	1.134	1.127	-0.01	-1.47%	0.20%
	Std Dev	0.003	0.021	0.02	1.91%	1.76%



VIL_4P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.85
Min Limit	0.85

krad	0	10	20	30	31	50
LL	0.85	0.85	0.85	0.85	0.85	0.85
Min	1.17	1.16	1.15	1.15	1.20	1.13
Average	1.17	1.16	1.16	1.15	1.20	1.13
Max	1.17	1.17	1.16	1.15	1.20	1.13
UL	1.85	1.85	1.85	1.85	1.85	1.85



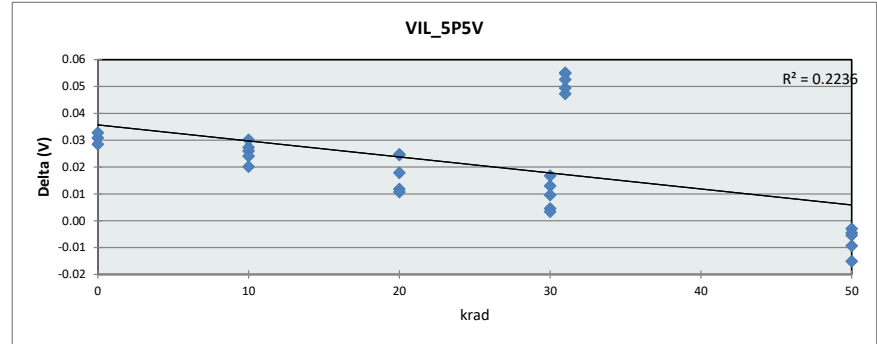
TID Report

SN54SC4T125-SEP

VIL_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.85
Min Limit	0.85

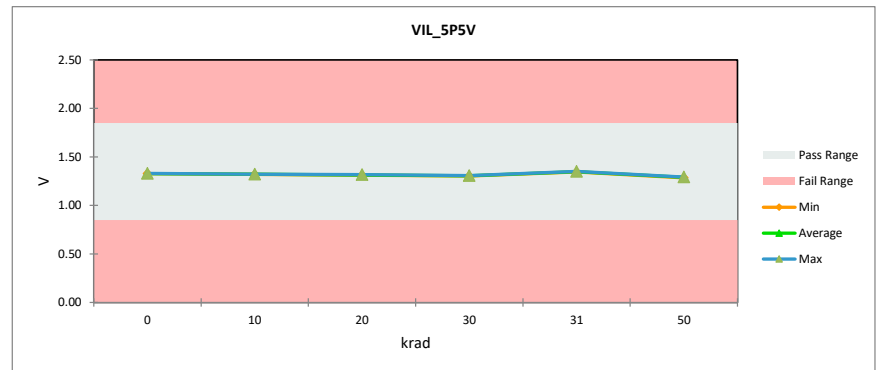
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.299	1.328	0.03	2.19%	2.85%
0	2	1.296	1.327	0.03	2.38%	3.09%
0	3	1.297	1.330	0.03	2.53%	3.28%
10	4	1.296	1.322	0.03	2.00%	2.60%
10	5	1.295	1.319	0.02	1.86%	2.41%
10	6	1.293	1.320	0.03	2.11%	2.73%
10	7	1.302	1.322	0.02	1.55%	2.02%
10	8	1.290	1.321	0.03	2.34%	3.02%
20	9	1.299	1.311	0.01	0.91%	1.18%
20	10	1.292	1.317	0.02	1.90%	2.46%
20	11	1.301	1.312	0.01	0.82%	1.07%
20	12	1.299	1.317	0.02	1.37%	1.78%
20	13	1.292	1.317	0.02	1.92%	2.48%
30	14	1.300	1.304	0.00	0.35%	0.46%
30	15	1.290	1.307	0.02	1.30%	1.68%
30	16	1.300	1.303	0.00	0.26%	0.34%
30	17	1.292	1.305	0.01	1.00%	1.30%
30	18	1.298	1.308	0.01	0.74%	0.96%
31	19	1.300	1.347	0.05	3.64%	4.73%
31	20	1.290	1.345	0.06	4.28%	5.52%
31	21	1.300	1.349	0.05	3.81%	4.95%
31	22	1.292	1.347	0.05	4.25%	5.49%
31	23	1.298	1.351	0.05	4.06%	5.26%
50	24	1.297	1.288	-0.01	-0.72%	0.93%
50	25	1.295	1.292	0.00	-0.23%	0.29%
50	26	1.297	1.292	0.00	-0.35%	0.45%
50	27	1.297	1.292	-0.01	-0.41%	0.54%
50	28	1.299	1.284	-0.02	-1.16%	1.51%
	Max	1.302	1.351	0.05	4.28%	5.52%
	Average	1.296	1.317	0.02	1.60%	2.33%
	Min	1.290	1.284	-0.01	-1.16%	0.29%
	Std Dev	0.004	0.019	0.02	1.52%	1.63%



VIL_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.85
Min Limit	0.85

krad	0	10	20	30	31	50
LL	0.85	0.85	0.85	0.85	0.85	0.85
Min	1.33	1.32	1.31	1.30	1.35	1.28
Average	1.33	1.32	1.31	1.31	1.35	1.29
Max	1.33	1.32	1.32	1.31	1.35	1.29
UL	1.85	1.85	1.85	1.85	1.85	1.85



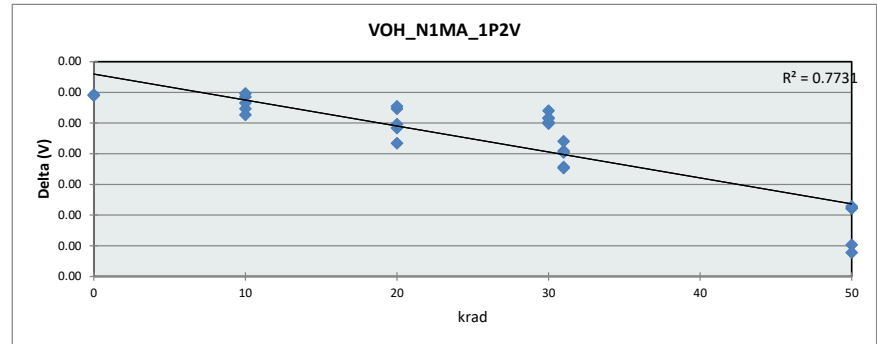
TID Report

SN54SC4T125-SEP

VOH_N1MA_1P2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.3
Min Limit	0.8

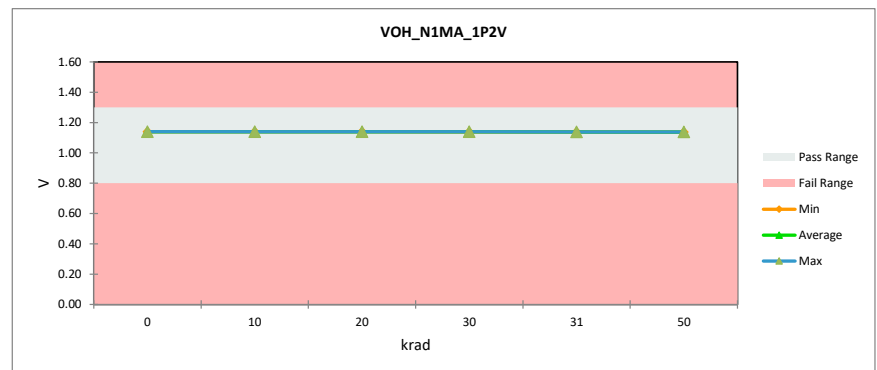
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.139	1.139	0.00	0.04%	0.09%
0	2	1.139	1.139	0.00	0.04%	0.09%
0	3	1.139	1.140	0.00	0.04%	0.09%
10	4	1.139	1.139	0.00	0.04%	0.09%
10	5	1.139	1.139	0.00	0.02%	0.05%
10	6	1.139	1.139	0.00	0.01%	0.03%
10	7	1.139	1.139	0.00	0.03%	0.07%
10	8	1.139	1.139	0.00	0.04%	0.10%
20	9	1.139	1.139	0.00	-0.01%	0.02%
20	10	1.139	1.139	0.00	0.02%	0.05%
20	11	1.138	1.139	0.00	0.02%	0.05%
20	12	1.139	1.139	0.00	-0.03%	0.07%
20	13	1.139	1.139	0.00	0.00%	0.00%
30	14	1.139	1.139	0.00	0.00%	0.00%
30	15	1.139	1.139	0.00	0.01%	0.02%
30	16	1.139	1.139	0.00	0.02%	0.04%
30	17	1.139	1.139	0.00	0.00%	0.00%
30	18	1.138	1.139	0.00	0.01%	0.02%
31	19	1.139	1.138	0.00	-0.04%	0.09%
31	20	1.139	1.138	0.00	-0.06%	0.14%
31	21	1.139	1.138	0.00	-0.03%	0.06%
31	22	1.139	1.138	0.00	-0.04%	0.10%
31	23	1.138	1.138	0.00	-0.06%	0.15%
50	24	1.139	1.138	0.00	-0.12%	0.28%
50	25	1.139	1.137	0.00	-0.12%	0.28%
50	26	1.139	1.137	0.00	-0.17%	0.40%
50	27	1.139	1.137	0.00	-0.19%	0.42%
50	28	1.138	1.137	0.00	-0.12%	0.27%
Max		1.139	1.140	0.00	0.04%	0.42%
Average		1.139	1.139	0.00	-0.02%	0.11%
Min		1.138	1.137	0.00	-0.19%	0.00%
Std Dev		0.000	0.001	0.00	0.07%	0.11%



VOH_N1MA_1P2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.3
Min Limit	0.8

krad	0	10	20	30	31	50
LL	0.80	0.80	0.80	0.80	0.80	0.80
Min	1.14	1.14	1.14	1.14	1.14	1.14
Average	1.14	1.14	1.14	1.14	1.14	1.14
Max	1.14	1.14	1.14	1.14	1.14	1.14
UL	1.30	1.30	1.30	1.30	1.30	1.30



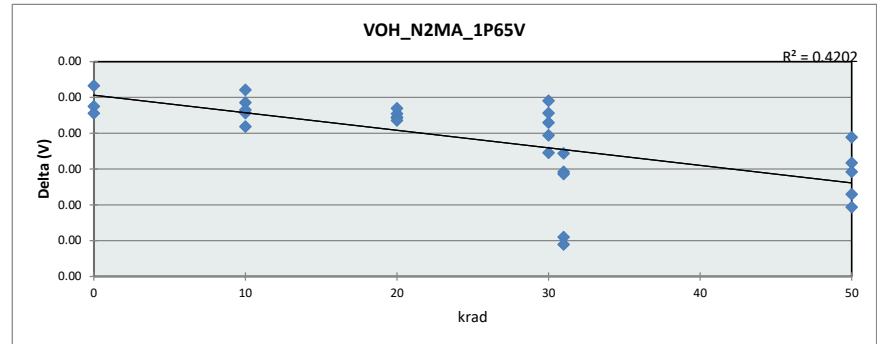
TID Report

SN54SC4T125-SEP

VOH_N2MA_1P65V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.75
Min Limit	1.2

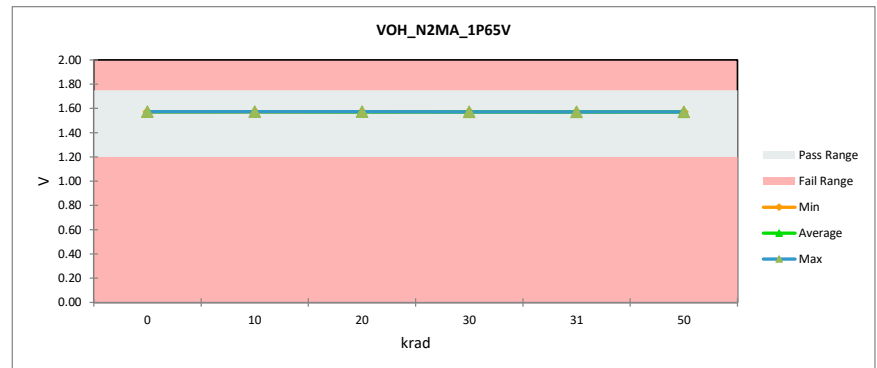
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.572	1.572	0.00	0.02%	0.07%
0	2	1.572	1.572	0.00	0.04%	0.12%
0	3	1.572	1.573	0.00	0.02%	0.05%
10	4	1.572	1.572	0.00	0.03%	0.08%
10	5	1.572	1.572	0.00	0.02%	0.05%
10	6	1.571	1.572	0.00	0.04%	0.11%
10	7	1.572	1.572	0.00	0.02%	0.06%
10	8	1.572	1.572	0.00	0.01%	0.02%
20	9	1.572	1.572	0.00	0.01%	0.04%
20	10	1.572	1.572	0.00	0.01%	0.04%
20	11	1.571	1.572	0.00	0.02%	0.05%
20	12	1.571	1.572	0.00	0.01%	0.03%
20	13	1.572	1.572	0.00	0.02%	0.06%
30	14	1.572	1.572	0.00	0.02%	0.05%
30	15	1.572	1.572	0.00	0.00%	0.00%
30	16	1.571	1.572	0.00	0.03%	0.08%
30	17	1.572	1.572	0.00	0.01%	0.03%
30	18	1.572	1.571	0.00	-0.02%	0.05%
31	19	1.572	1.571	0.00	-0.03%	0.10%
31	20	1.572	1.571	0.00	-0.09%	0.26%
31	21	1.571	1.571	0.00	-0.02%	0.05%
31	22	1.572	1.571	0.00	-0.04%	0.10%
31	23	1.572	1.570	0.00	-0.10%	0.28%
50	24	1.572	1.571	0.00	-0.03%	0.08%
50	25	1.572	1.571	0.00	-0.03%	0.10%
50	26	1.572	1.571	0.00	-0.05%	0.15%
50	27	1.572	1.571	0.00	-0.07%	0.19%
50	28	1.571	1.571	0.00	0.00%	0.01%
	Max	1.572	1.573	0.00	0.04%	0.28%
	Average	1.572	1.572	0.00	-0.01%	0.08%
	Min	1.571	1.570	0.00	-0.10%	0.00%
	Std Dev	0.000	0.001	0.00	0.04%	0.07%



VOH_N2MA_1P65V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.75
Min Limit	1.2

krad	0	10	20	30	31	50
LL	1.20	1.20	1.20	1.20	1.20	1.20
Min	1.57	1.57	1.57	1.57	1.57	1.57
Average	1.57	1.57	1.57	1.57	1.57	1.57
Max	1.57	1.57	1.57	1.57	1.57	1.57
UL	1.75	1.75	1.75	1.75	1.75	1.75



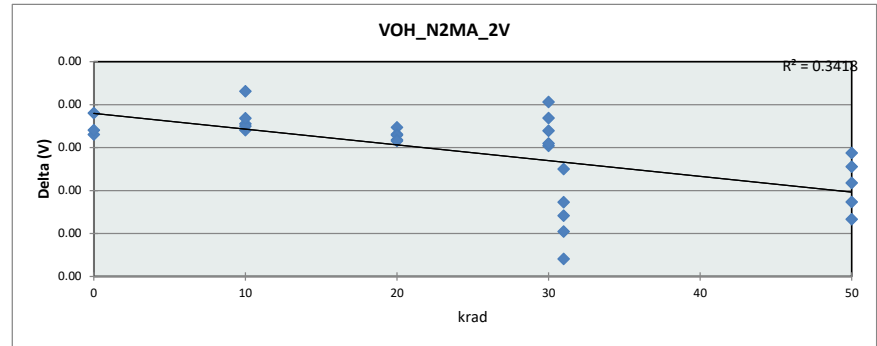
TID Report

SN54SC4T125-SEP

VOH_N2MA_2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	2.1
Min Limit	1.2

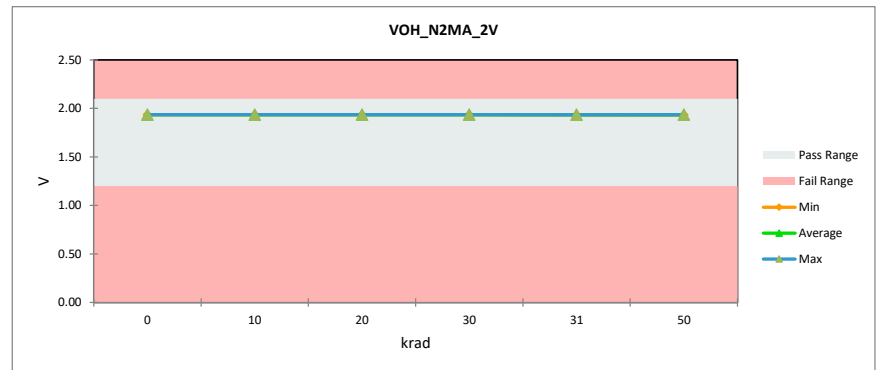
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.935	1.935	0.00	0.01%	0.02%
0	2	1.935	1.935	0.00	0.02%	0.04%
0	3	1.935	1.936	0.00	0.01%	0.02%
10	4	1.935	1.935	0.00	0.01%	0.02%
10	5	1.935	1.935	0.00	0.01%	0.03%
10	6	1.935	1.935	0.00	0.03%	0.07%
10	7	1.935	1.935	0.00	0.01%	0.03%
10	8	1.935	1.935	0.00	0.02%	0.04%
20	9	1.935	1.935	0.00	0.01%	0.02%
20	10	1.935	1.935	0.00	0.01%	0.03%
20	11	1.935	1.935	0.00	0.01%	0.02%
20	12	1.935	1.935	0.00	0.00%	0.01%
20	13	1.935	1.935	0.00	0.00%	0.01%
30	14	1.935	1.935	0.00	0.01%	0.02%
30	15	1.935	1.935	0.00	0.02%	0.04%
30	16	1.935	1.935	0.00	0.03%	0.06%
30	17	1.935	1.935	0.00	0.00%	0.00%
30	18	1.935	1.935	0.00	0.00%	0.01%
31	19	1.935	1.934	0.00	-0.03%	0.07%
31	20	1.935	1.934	0.00	-0.05%	0.11%
31	21	1.935	1.935	0.00	-0.01%	0.03%
31	22	1.935	1.934	0.00	-0.04%	0.09%
31	23	1.935	1.934	0.00	-0.07%	0.14%
50	24	1.935	1.935	0.00	-0.02%	0.05%
50	25	1.935	1.935	0.00	-0.01%	0.02%
50	26	1.935	1.934	0.00	-0.03%	0.07%
50	27	1.935	1.934	0.00	-0.04%	0.09%
50	28	1.934	1.934	0.00	0.00%	0.01%
	Max	1.935	1.936	0.00	0.03%	0.14%
	Average	1.935	1.935	0.00	0.00%	0.04%
	Min	1.934	1.934	0.00	-0.07%	0.00%
	Std Dev	0.000	0.001	0.00	0.03%	0.03%



VOH_N2MA_2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	2.1
Min Limit	1.2

krad	0	10	20	30	31	50
LL	1.20	1.20	1.20	1.20	1.20	1.20
Min	1.94	1.94	1.93	1.93	1.93	1.93
Average	1.94	1.94	1.94	1.94	1.93	1.93
Max	1.94	1.94	1.94	1.94	1.93	1.93
UL	2.10	2.10	2.10	2.10	2.10	2.10



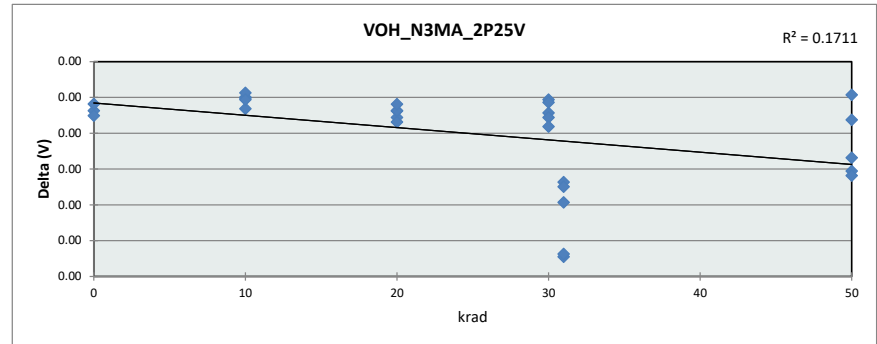
TID Report

SN54SC4T125-SEP

VOH_N3MA_2P25V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	2.35
Min Limit	1.93

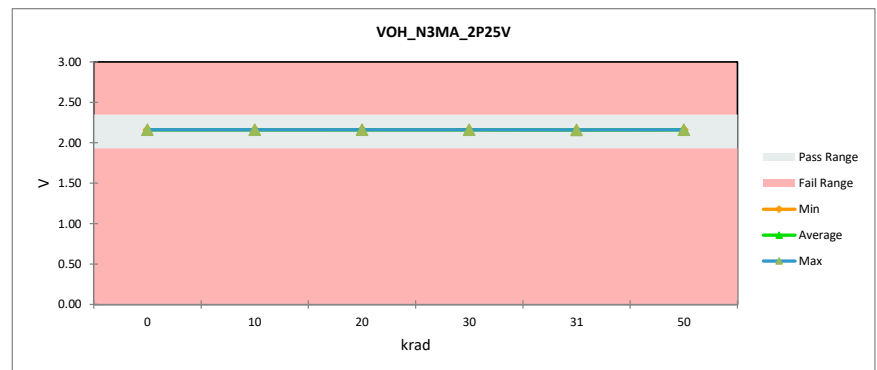
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.161	2.160	0.00	-0.01%	0.04%
0	2	2.161	2.160	0.00	0.00%	0.02%
0	3	2.161	2.161	0.00	-0.01%	0.06%
10	4	2.161	2.161	0.00	0.00%	0.00%
10	5	2.161	2.161	0.00	-0.01%	0.04%
10	6	2.160	2.160	0.00	0.00%	0.00%
10	7	2.160	2.160	0.00	0.00%	0.02%
10	8	2.160	2.160	0.00	0.00%	0.01%
20	9	2.160	2.160	0.00	-0.01%	0.04%
20	10	2.161	2.160	0.00	-0.01%	0.07%
20	11	2.160	2.160	0.00	-0.01%	0.04%
20	12	2.160	2.160	0.00	-0.02%	0.08%
20	13	2.160	2.160	0.00	0.00%	0.02%
30	14	2.160	2.160	0.00	0.00%	0.01%
30	15	2.161	2.160	0.00	-0.01%	0.05%
30	16	2.160	2.160	0.00	0.00%	0.02%
30	17	2.160	2.160	0.00	-0.01%	0.07%
30	18	2.160	2.160	0.00	-0.02%	0.10%
31	19	2.160	2.159	0.00	-0.05%	0.28%
31	20	2.161	2.158	0.00	-0.10%	0.53%
31	21	2.160	2.159	0.00	-0.06%	0.30%
31	22	2.160	2.159	0.00	-0.07%	0.35%
31	23	2.160	2.158	0.00	-0.10%	0.52%
50	24	2.160	2.160	0.00	-0.01%	0.07%
50	25	2.160	2.160	0.00	-0.04%	0.20%
50	26	2.161	2.160	0.00	-0.05%	0.24%
50	27	2.161	2.159	0.00	-0.05%	0.26%
50	28	2.159	2.159	0.00	0.00%	0.01%
Max		2.161	2.161	0.00	0.00%	0.53%
Average		2.160	2.160	0.00	-0.02%	0.12%
Min		2.159	2.158	0.00	-0.10%	0.00%
Std Dev		0.000	0.001	0.00	0.03%	0.15%



VOH_N3MA_2P25V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	2.35
Min Limit	1.93

krad	0	10	20	30	31	50
LL	1.93	1.93	1.93	1.93	1.93	1.93
Min	2.16	2.16	2.16	2.16	2.16	2.16
Average	2.16	2.16	2.16	2.16	2.16	2.16
Max	2.16	2.16	2.16	2.16	2.16	2.16
UL	2.35	2.35	2.35	2.35	2.35	2.35



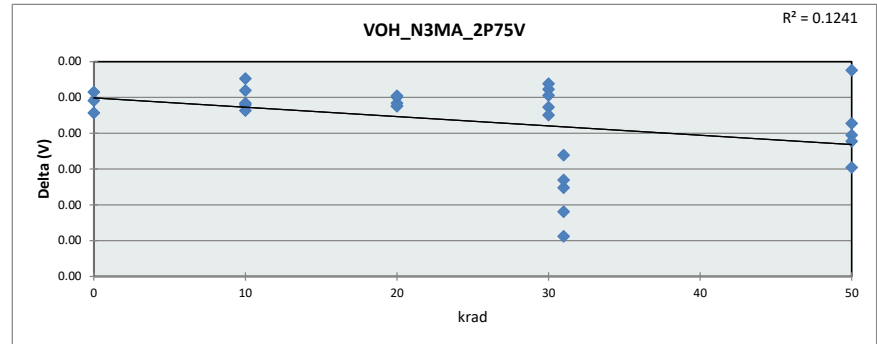
TID Report

SN54SC4T125-SEP

VOH_N3MA_2P75V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	2.85
Min Limit	1.93

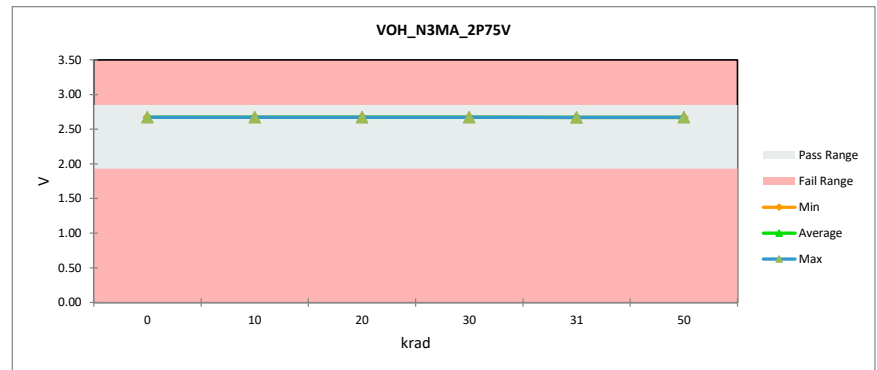
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.672	2.671	0.00	-0.01%	0.02%
0	2	2.672	2.672	0.00	0.00%	0.01%
0	3	2.672	2.672	0.00	0.00%	0.00%
10	4	2.672	2.672	0.00	0.00%	0.01%
10	5	2.672	2.672	0.00	0.00%	0.01%
10	6	2.671	2.672	0.00	0.01%	0.03%
10	7	2.672	2.672	0.00	0.00%	0.01%
10	8	2.672	2.671	0.00	-0.01%	0.02%
20	9	2.671	2.671	0.00	0.00%	0.01%
20	10	2.672	2.672	0.00	0.00%	0.01%
20	11	2.671	2.671	0.00	0.00%	0.00%
20	12	2.671	2.671	0.00	0.00%	0.01%
20	13	2.671	2.671	0.00	0.00%	0.00%
30	14	2.671	2.672	0.00	0.00%	0.01%
30	15	2.672	2.672	0.00	-0.01%	0.01%
30	16	2.671	2.671	0.00	0.01%	0.02%
30	17	2.672	2.671	0.00	-0.01%	0.03%
30	18	2.671	2.671	0.00	0.00%	0.00%
31	19	2.671	2.670	0.00	-0.05%	0.14%
31	20	2.672	2.670	0.00	-0.07%	0.21%
31	21	2.671	2.670	0.00	-0.03%	0.09%
31	22	2.672	2.670	0.00	-0.04%	0.13%
31	23	2.671	2.670	0.00	-0.06%	0.17%
50	24	2.672	2.671	0.00	-0.01%	0.04%
50	25	2.671	2.671	0.00	-0.02%	0.06%
50	26	2.671	2.671	0.00	-0.02%	0.07%
50	27	2.672	2.671	0.00	-0.04%	0.11%
50	28	2.670	2.671	0.00	0.01%	0.04%
	Max	2.672	2.672	0.00	0.01%	0.21%
	Average	2.671	2.671	0.00	-0.01%	0.05%
	Min	2.670	2.670	0.00	-0.07%	0.00%
	Std Dev	0.000	0.001	0.00	0.02%	0.06%



VOH_N3MA_2P75V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	2.85
Min Limit	1.93

krad	0	10	20	30	31	50
LL	1.93	1.93	1.93	1.93	1.93	1.93
Min	2.67	2.67	2.67	2.67	2.67	2.67
Average	2.67	2.67	2.67	2.67	2.67	2.67
Max	2.67	2.67	2.67	2.67	2.67	2.67
UL	2.85	2.85	2.85	2.85	2.85	2.85



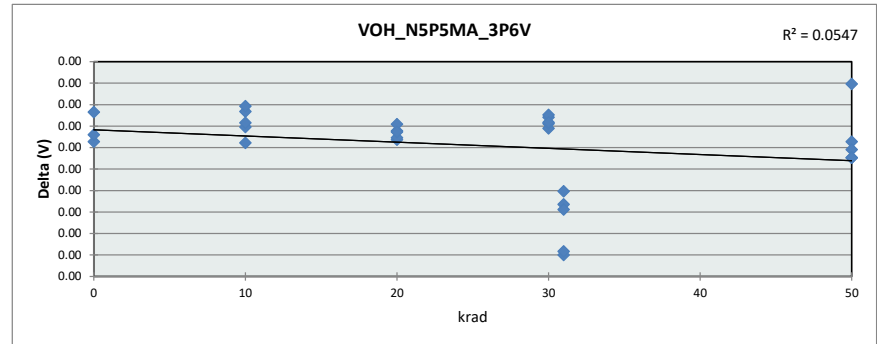
TID Report

SN54SC4T125-SEP

VOH_N5P5MA_3P6V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	3.7
Min Limit	2.49

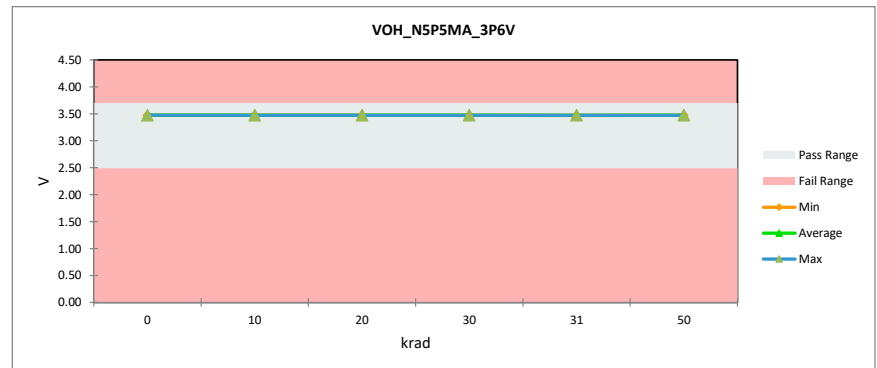
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.474	3.474	0.00	-0.01%	0.03%
0	2	3.474	3.474	0.00	0.01%	0.03%
0	3	3.475	3.475	0.00	-0.01%	0.02%
10	4	3.474	3.474	0.00	0.01%	0.03%
10	5	3.474	3.474	0.00	-0.01%	0.03%
10	6	3.474	3.474	0.00	0.01%	0.04%
10	7	3.474	3.474	0.00	0.00%	0.00%
10	8	3.474	3.474	0.00	0.00%	0.01%
20	9	3.474	3.474	0.00	0.00%	0.01%
20	10	3.474	3.474	0.00	-0.01%	0.03%
20	11	3.474	3.474	0.00	0.00%	0.00%
20	12	3.474	3.474	0.00	-0.01%	0.02%
20	13	3.474	3.474	0.00	0.00%	0.01%
30	14	3.474	3.474	0.00	0.01%	0.02%
30	15	3.474	3.474	0.00	0.00%	0.00%
30	16	3.474	3.474	0.00	0.00%	0.00%
30	17	3.474	3.474	0.00	0.01%	0.02%
30	18	3.473	3.474	0.00	0.00%	0.01%
31	19	3.474	3.472	0.00	-0.05%	0.15%
31	20	3.474	3.471	0.00	-0.09%	0.25%
31	21	3.474	3.472	0.00	-0.06%	0.16%
31	22	3.474	3.472	0.00	-0.04%	0.13%
31	23	3.473	3.471	0.00	-0.08%	0.24%
50	24	3.474	3.474	0.00	-0.01%	0.03%
50	25	3.474	3.473	0.00	-0.02%	0.05%
50	26	3.474	3.473	0.00	-0.02%	0.06%
50	27	3.474	3.473	0.00	-0.02%	0.06%
50	28	3.472	3.473	0.00	0.03%	0.08%
	Max	3.475	3.475	0.00	0.03%	0.25%
	Average	3.474	3.473	0.00	-0.01%	0.05%
	Min	3.472	3.471	0.00	-0.09%	0.00%
	Std Dev	0.000	0.001	0.00	0.03%	0.07%



VOH_N5P5MA_3P6V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	3.7
Min Limit	2.49

krad	0	10	20	30	31	50
LL	2.49	2.49	2.49	2.49	2.49	2.49
Min	3.47	3.47	3.47	3.47	3.47	3.47
Average	3.47	3.47	3.47	3.47	3.47	3.47
Max	3.47	3.47	3.47	3.47	3.47	3.47
UL	3.70	3.70	3.70	3.70	3.70	3.70



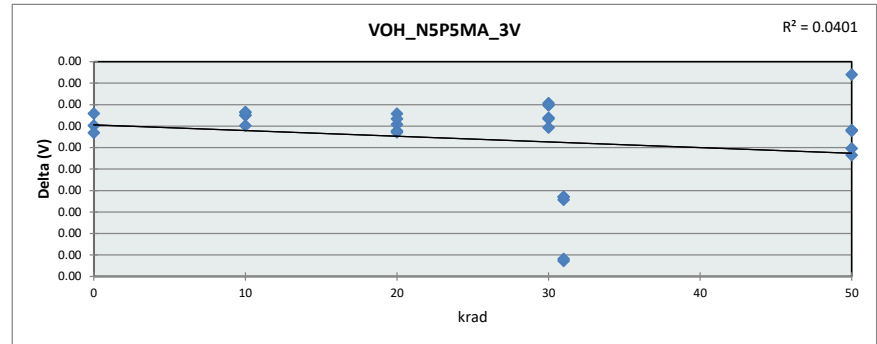
TID Report

SN54SC4T125-SEP

VOH_N5P5MA_3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	3.1
Min Limit	2.49

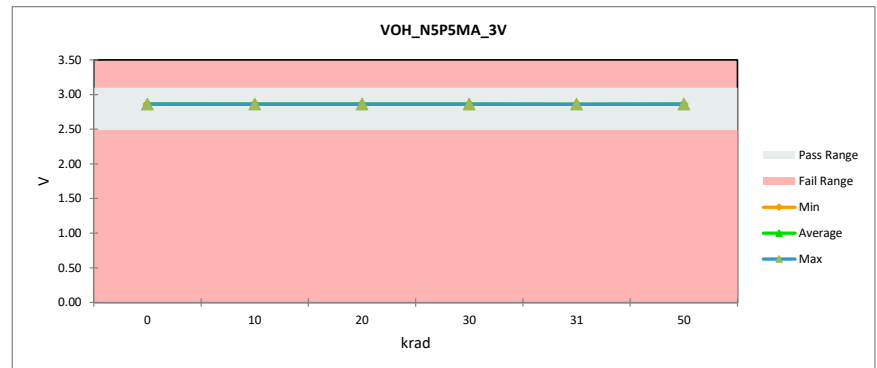
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.862	2.862	0.00	0.00%	0.00%
0	2	2.862	2.862	0.00	0.01%	0.05%
0	3	2.863	2.863	0.00	-0.01%	0.03%
10	4	2.862	2.862	0.00	0.01%	0.04%
10	5	2.862	2.862	0.00	0.00%	0.00%
10	6	2.862	2.862	0.00	0.01%	0.05%
10	7	2.862	2.862	0.00	0.01%	0.04%
10	8	2.862	2.862	0.00	0.01%	0.05%
20	9	2.862	2.862	0.00	0.00%	0.01%
20	10	2.862	2.862	0.00	0.01%	0.05%
20	11	2.861	2.861	0.00	0.00%	0.02%
20	12	2.862	2.861	0.00	-0.01%	0.02%
20	13	2.862	2.862	0.00	0.01%	0.03%
30	14	2.862	2.862	0.00	0.02%	0.09%
30	15	2.862	2.862	0.00	0.01%	0.03%
30	16	2.862	2.862	0.00	0.02%	0.08%
30	17	2.862	2.862	0.00	0.01%	0.03%
30	18	2.861	2.861	0.00	0.00%	0.01%
31	19	2.862	2.860	0.00	-0.06%	0.27%
31	20	2.862	2.859	0.00	-0.11%	0.51%
31	21	2.862	2.860	0.00	-0.06%	0.28%
31	22	2.862	2.860	0.00	-0.06%	0.27%
31	23	2.861	2.858	0.00	-0.11%	0.51%
50	24	2.862	2.862	0.00	0.00%	0.01%
50	25	2.862	2.861	0.00	0.00%	0.02%
50	26	2.862	2.861	0.00	-0.02%	0.11%
50	27	2.862	2.861	0.00	-0.02%	0.09%
50	28	2.860	2.861	0.00	0.04%	0.20%
	Max	2.863	2.863	0.00	0.04%	0.51%
	Average	2.862	2.861	0.00	-0.01%	0.10%
	Min	2.860	2.858	0.00	-0.11%	0.00%
	Std Dev	0.000	0.001	0.00	0.04%	0.14%



VOH_N5P5MA_3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	3.1
Min Limit	2.49

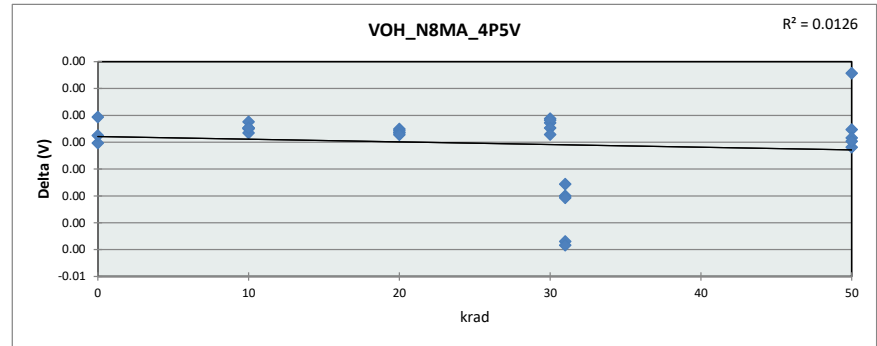
krad	0	10	20	30	31	50
LL	2.49	2.49	2.49	2.49	2.49	2.49
Min	2.86	2.86	2.86	2.86	2.86	2.86
Average	2.86	2.86	2.86	2.86	2.86	2.86
Max	2.86	2.86	2.86	2.86	2.86	2.86
UL	3.10	3.10	3.10	3.10	3.10	3.10



TID Report SN54SC4T125-SEP

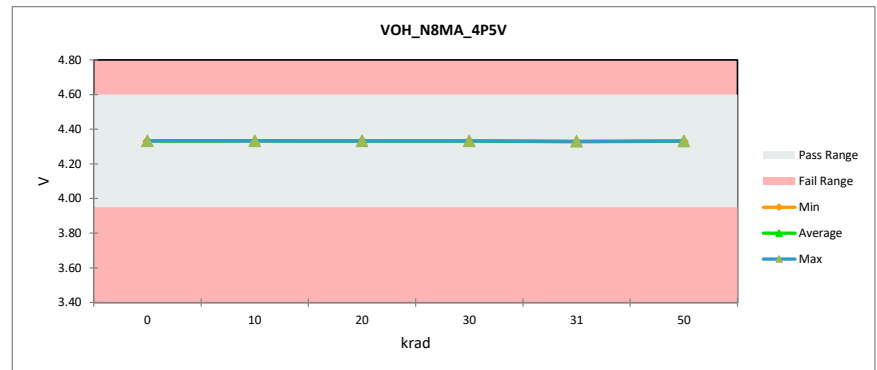
VOH_N8MA_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	4.6
Min Limit	3.95

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	4.332	4.332	0.00	0.00%	0.00%
0	2	4.331	4.332	0.00	0.02%	0.14%
0	3	4.333	4.333	0.00	0.01%	0.04%
10	4	4.332	4.332	0.00	0.01%	0.08%
10	5	4.332	4.332	0.00	0.01%	0.08%
10	6	4.331	4.332	0.00	0.02%	0.12%
10	7	4.332	4.332	0.00	0.01%	0.05%
10	8	4.332	4.332	0.00	0.01%	0.08%
20	9	4.331	4.332	0.00	0.01%	0.08%
20	10	4.332	4.332	0.00	0.01%	0.06%
20	11	4.331	4.331	0.00	0.01%	0.07%
20	12	4.331	4.332	0.00	0.01%	0.05%
20	13	4.332	4.332	0.00	0.01%	0.04%
30	14	4.331	4.332	0.00	0.02%	0.14%
30	15	4.332	4.333	0.00	0.02%	0.11%
30	16	4.331	4.332	0.00	0.02%	0.13%
30	17	4.331	4.332	0.00	0.01%	0.08%
30	18	4.331	4.331	0.00	0.01%	0.04%
31	19	4.331	4.329	0.00	-0.05%	0.31%
31	20	4.332	4.328	0.00	-0.09%	0.57%
31	21	4.331	4.329	0.00	-0.05%	0.32%
31	22	4.331	4.330	0.00	-0.04%	0.24%
31	23	4.331	4.327	0.00	-0.09%	0.59%
50	24	4.331	4.332	0.00	0.01%	0.07%
50	25	4.331	4.331	0.00	0.00%	0.02%
50	26	4.331	4.331	0.00	0.00%	0.03%
50	27	4.331	4.331	0.00	0.00%	0.01%
50	28	4.328	4.331	0.00	0.06%	0.40%
	Max	4.333	4.333	0.00	0.06%	0.59%
	Average	4.331	4.331	0.00	0.00%	0.14%
	Min	4.328	4.327	0.00	-0.09%	0.00%
	Std Dev	0.001	0.001	0.00	0.03%	0.16%



VOH_N8MA_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	4.6
Min Limit	3.95

krad	0	10	20	30	31	50
LL	3.95	3.95	3.95	3.95	3.95	3.95
Min	4.33	4.33	4.33	4.33	4.33	4.33
Average	4.33	4.33	4.33	4.33	4.33	4.33
Max	4.33	4.33	4.33	4.33	4.33	4.33
UL	4.60	4.60	4.60	4.60	4.60	4.60

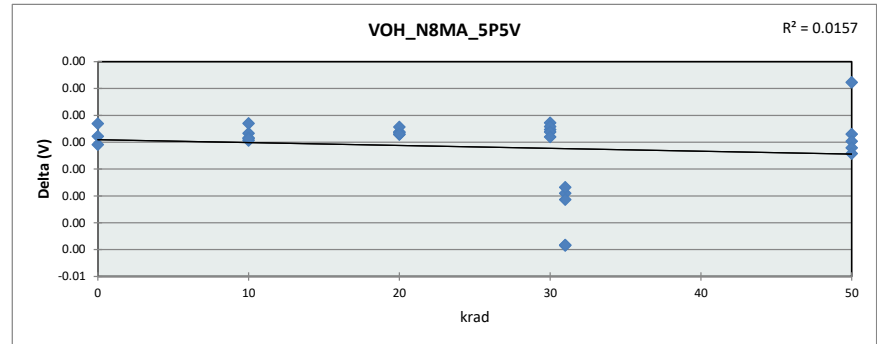


TID Report SN54SC4T125-SEP

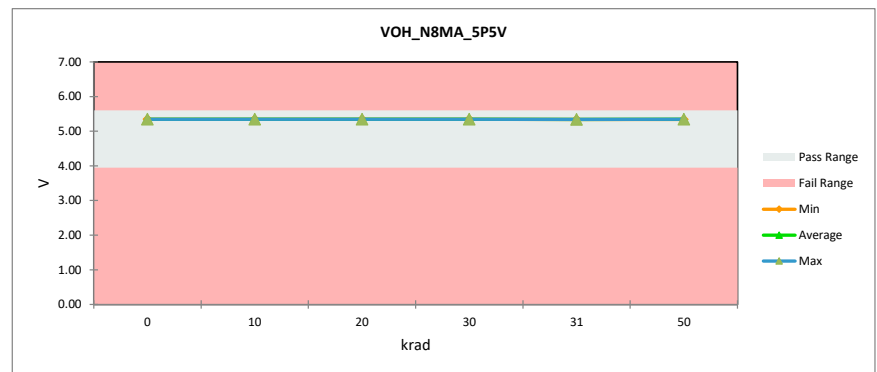
VOH_N8MA_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	5.6
Min Limit	3.95

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.343	5.343	0.00	0.00%	0.01%
0	2	5.342	5.343	0.00	0.01%	0.04%
0	3	5.343	5.344	0.00	0.00%	0.01%
10	4	5.343	5.343	0.00	0.01%	0.02%
10	5	5.343	5.343	0.00	0.00%	0.01%
10	6	5.342	5.343	0.00	0.01%	0.04%
10	7	5.343	5.343	0.00	0.00%	0.00%
10	8	5.342	5.343	0.00	0.00%	0.01%
20	9	5.342	5.343	0.00	0.01%	0.02%
20	10	5.343	5.343	0.00	0.01%	0.02%
20	11	5.342	5.342	0.00	0.01%	0.02%
20	12	5.342	5.342	0.00	0.01%	0.03%
20	13	5.342	5.343	0.00	0.01%	0.02%
30	14	5.342	5.343	0.00	0.01%	0.04%
30	15	5.343	5.343	0.00	0.01%	0.03%
30	16	5.342	5.343	0.00	0.01%	0.04%
30	17	5.342	5.343	0.00	0.01%	0.02%
30	18	5.342	5.342	0.00	0.00%	0.01%
31	19	5.342	5.340	0.00	-0.04%	0.11%
31	20	5.343	5.339	0.00	-0.07%	0.23%
31	21	5.342	5.340	0.00	-0.04%	0.13%
31	22	5.342	5.341	0.00	-0.03%	0.10%
31	23	5.342	5.338	0.00	-0.07%	0.23%
50	24	5.342	5.343	0.00	0.01%	0.02%
50	25	5.342	5.342	0.00	0.00%	0.00%
50	26	5.342	5.342	0.00	0.00%	0.01%
50	27	5.342	5.342	0.00	-0.01%	0.03%
50	28	5.339	5.341	0.00	0.04%	0.14%
	Max	5.343	5.344	0.00	0.04%	0.23%
	Average	5.342	5.342	0.00	0.00%	0.05%
	Min	5.339	5.338	0.00	-0.07%	0.00%
	Std Dev	0.001	0.001	0.00	0.02%	0.06%



krad	0	10	20	30	31	50
LL	3.95	3.95	3.95	3.95	3.95	3.95
Min	5.34	5.34	5.34	5.34	5.34	5.34
Average	5.34	5.34	5.34	5.34	5.34	5.34
Max	5.34	5.34	5.34	5.34	5.34	5.34
UL	5.60	5.60	5.60	5.60	5.60	5.60



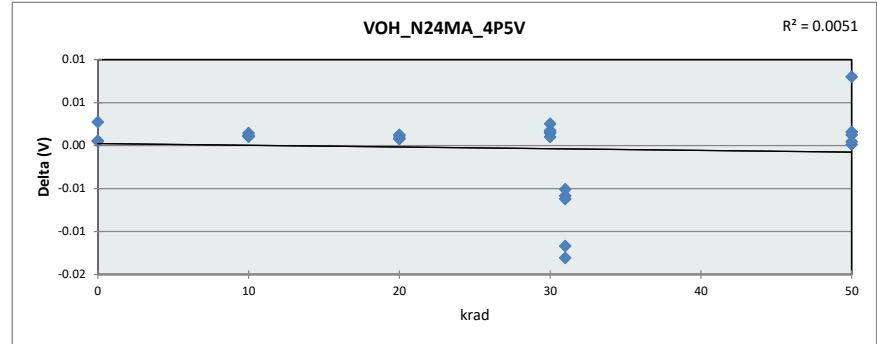
TID Report

SN54SC4T125-SEP

VOH_N24MA_4P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	4.6
Min Limit	3.15

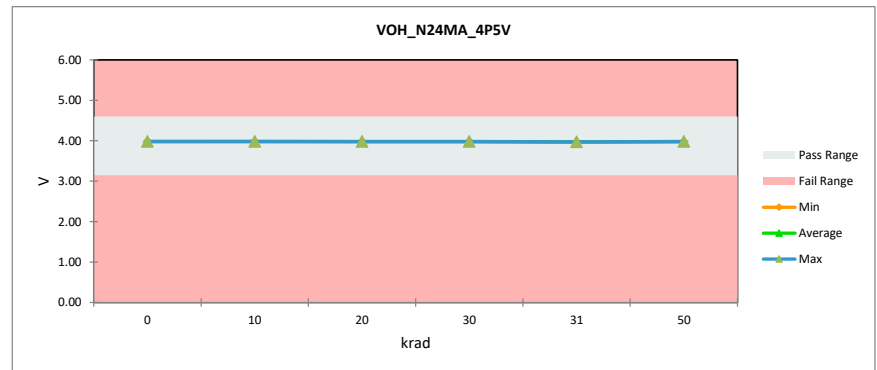
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.979	3.979	0.00	0.01%	0.04%
0	2	3.978	3.981	0.00	0.07%	0.19%
0	3	3.982	3.983	0.00	0.01%	0.04%
10	4	3.980	3.981	0.00	0.03%	0.08%
10	5	3.979	3.980	0.00	0.03%	0.07%
10	6	3.978	3.979	0.00	0.04%	0.10%
10	7	3.979	3.980	0.00	0.03%	0.07%
10	8	3.979	3.980	0.00	0.03%	0.08%
20	9	3.978	3.979	0.00	0.02%	0.05%
20	10	3.980	3.981	0.00	0.02%	0.06%
20	11	3.977	3.978	0.00	0.03%	0.08%
20	12	3.977	3.979	0.00	0.03%	0.09%
20	13	3.979	3.980	0.00	0.02%	0.06%
30	14	3.978	3.981	0.00	0.06%	0.17%
30	15	3.980	3.981	0.00	0.04%	0.12%
30	16	3.978	3.980	0.00	0.04%	0.10%
30	17	3.978	3.980	0.00	0.04%	0.11%
30	18	3.977	3.978	0.00	0.03%	0.07%
31	19	3.978	3.972	-0.01	-0.15%	0.40%
31	20	3.980	3.967	-0.01	-0.33%	0.90%
31	21	3.978	3.972	-0.01	-0.16%	0.43%
31	22	3.978	3.973	-0.01	-0.13%	0.35%
31	23	3.977	3.965	-0.01	-0.29%	0.81%
50	24	3.979	3.980	0.00	0.04%	0.11%
50	25	3.978	3.979	0.00	0.03%	0.09%
50	26	3.978	3.978	0.00	0.00%	0.01%
50	27	3.979	3.979	0.00	0.01%	0.03%
50	28	3.970	3.978	0.01	0.20%	0.55%
	Max	3.982	3.983	0.00	0.20%	0.90%
	Average	3.978	3.978	0.00	-0.01%	0.19%
	Min	3.970	3.965	0.00	-0.33%	0.01%
	Std Dev	0.002	0.004	0.00	0.11%	0.23%



VOH_N24MA_4P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	4.6
Min Limit	3.15

krad	0	10	20	30	31	50
LL	3.15	3.15	3.15	3.15	3.15	3.15
Min	3.98	3.98	3.98	3.98	3.97	3.98
Average	3.98	3.98	3.98	3.98	3.97	3.98
Max	3.98	3.98	3.98	3.98	3.97	3.98
UL	4.60	4.60	4.60	4.60	4.60	4.60



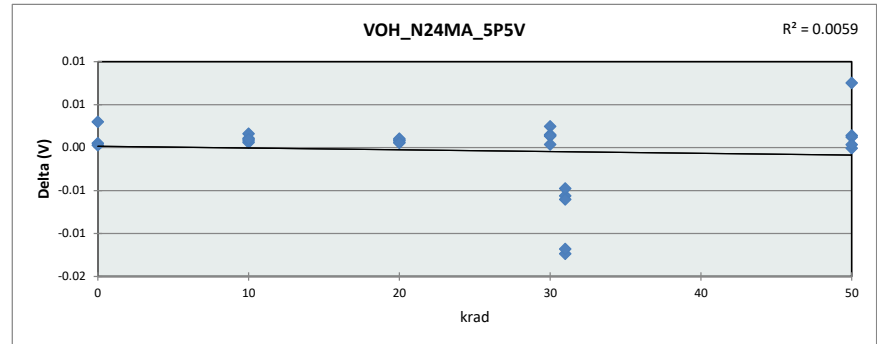
TID Report

SN54SC4T125-SEP

VOH_N24MA_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	5.6
Min Limit	3.15

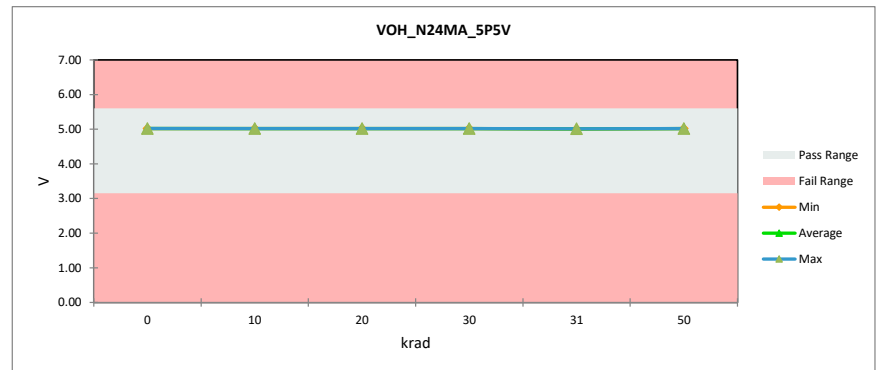
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.018	5.018	0.00	0.01%	0.02%
0	2	5.016	5.019	0.00	0.06%	0.12%
0	3	5.021	5.021	0.00	0.01%	0.01%
10	4	5.018	5.020	0.00	0.02%	0.04%
10	5	5.018	5.019	0.00	0.01%	0.02%
10	6	5.016	5.018	0.00	0.03%	0.07%
10	7	5.018	5.019	0.00	0.02%	0.03%
10	8	5.017	5.018	0.00	0.02%	0.04%
20	9	5.017	5.018	0.00	0.02%	0.03%
20	10	5.018	5.019	0.00	0.01%	0.03%
20	11	5.016	5.017	0.00	0.02%	0.04%
20	12	5.016	5.017	0.00	0.02%	0.04%
20	13	5.018	5.018	0.00	0.01%	0.02%
30	14	5.017	5.019	0.00	0.05%	0.10%
30	15	5.018	5.020	0.00	0.03%	0.06%
30	16	5.017	5.019	0.00	0.03%	0.06%
30	17	5.017	5.018	0.00	0.03%	0.05%
30	18	5.016	5.017	0.00	0.01%	0.02%
31	19	5.017	5.011	-0.01	-0.11%	0.23%
31	20	5.018	5.006	-0.01	-0.25%	0.50%
31	21	5.017	5.011	-0.01	-0.12%	0.25%
31	22	5.017	5.012	0.00	-0.09%	0.19%
31	23	5.016	5.005	-0.01	-0.24%	0.48%
50	24	5.017	5.019	0.00	0.03%	0.06%
50	25	5.017	5.018	0.00	0.02%	0.05%
50	26	5.017	5.017	0.00	0.00%	0.00%
50	27	5.017	5.018	0.00	0.01%	0.01%
50	28	5.008	5.016	0.01	0.15%	0.31%
	Max	5.021	5.021	0.00	0.15%	0.50%
	Average	5.017	5.017	0.00	-0.01%	0.10%
	Min	5.008	5.005	0.00	-0.25%	0.00%
	Std Dev	0.002	0.004	0.00	0.08%	0.13%



VOH_N24MA_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	5.6
Min Limit	3.15

krad	0	10	20	30	31	50
LL	3.15	3.15	3.15	3.15	3.15	3.15
Min	5.02	5.02	5.02	5.02	5.00	5.02
Average	5.02	5.02	5.02	5.02	5.01	5.02
Max	5.02	5.02	5.02	5.02	5.01	5.02
UL	5.60	5.60	5.60	5.60	5.60	5.60



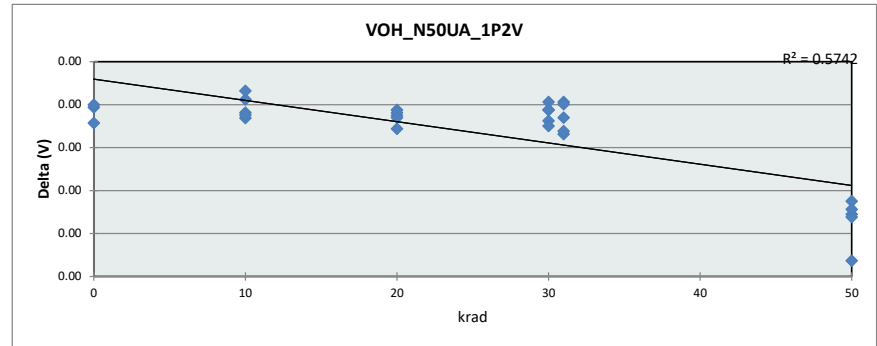
TID Report

SN54SC4T125-SEP

VOH_N50UA_1P2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.3
Min Limit	1

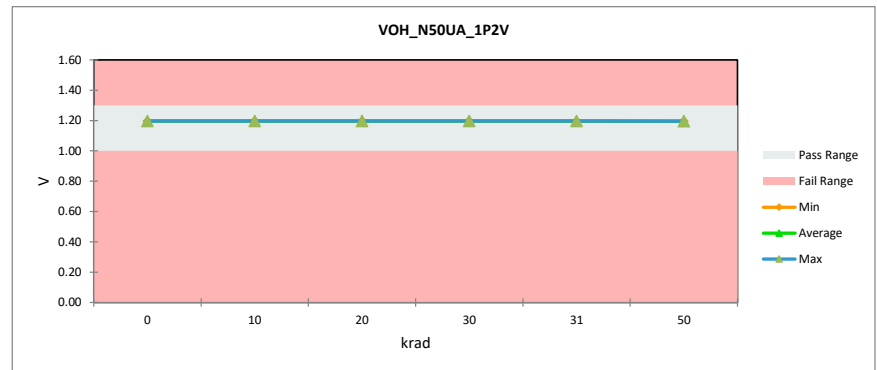
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.196	1.197	0.00	0.04%	0.16%
0	2	1.196	1.197	0.00	0.02%	0.10%
0	3	1.196	1.197	0.00	0.04%	0.17%
10	4	1.196	1.197	0.00	0.05%	0.19%
10	5	1.196	1.197	0.00	0.03%	0.14%
10	6	1.196	1.197	0.00	0.03%	0.11%
10	7	1.196	1.197	0.00	0.03%	0.13%
10	8	1.196	1.197	0.00	0.06%	0.22%
20	9	1.196	1.197	0.00	0.02%	0.07%
20	10	1.196	1.197	0.00	0.03%	0.13%
20	11	1.196	1.197	0.00	0.04%	0.15%
20	12	1.196	1.197	0.00	0.03%	0.14%
20	13	1.196	1.197	0.00	0.03%	0.12%
30	14	1.196	1.197	0.00	0.03%	0.10%
30	15	1.197	1.197	0.00	0.04%	0.15%
30	16	1.196	1.197	0.00	0.02%	0.08%
30	17	1.196	1.197	0.00	0.04%	0.18%
30	18	1.196	1.197	0.00	0.04%	0.15%
31	19	1.196	1.197	0.00	0.01%	0.05%
31	20	1.197	1.197	0.00	0.02%	0.06%
31	21	1.196	1.197	0.00	0.03%	0.12%
31	22	1.196	1.197	0.00	0.04%	0.18%
31	23	1.196	1.197	0.00	0.04%	0.17%
50	24	1.196	1.196	0.00	-0.05%	0.21%
50	25	1.196	1.196	0.00	-0.06%	0.26%
50	26	1.196	1.196	0.00	-0.07%	0.27%
50	27	1.197	1.195	0.00	-0.11%	0.44%
50	28	1.196	1.196	0.00	-0.06%	0.24%
	Max	1.197	1.197	0.00	0.06%	0.44%
	Average	1.196	1.197	0.00	0.01%	0.16%
	Min	1.196	1.195	0.00	-0.11%	0.05%
	Std Dev	0.000	0.001	0.00	0.04%	0.08%



VOH_N50UA_1P2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	1.3
Min Limit	1

krad	0	10	20	30	31	50
LL	1.00	1.00	1.00	1.00	1.00	1.00
Min	1.20	1.20	1.20	1.20	1.20	1.20
Average	1.20	1.20	1.20	1.20	1.20	1.20
Max	1.20	1.20	1.20	1.20	1.20	1.20
UL	1.30	1.30	1.30	1.30	1.30	1.30



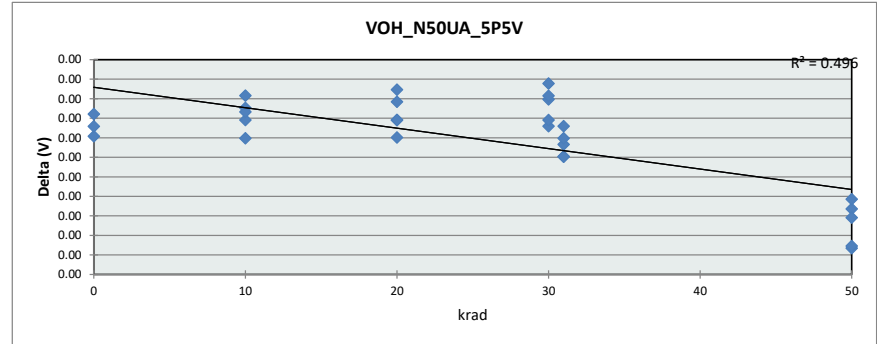
TID Report

SN54SC4T125-SEP

VOH_N50UA_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	5.6
Min Limit	5.3

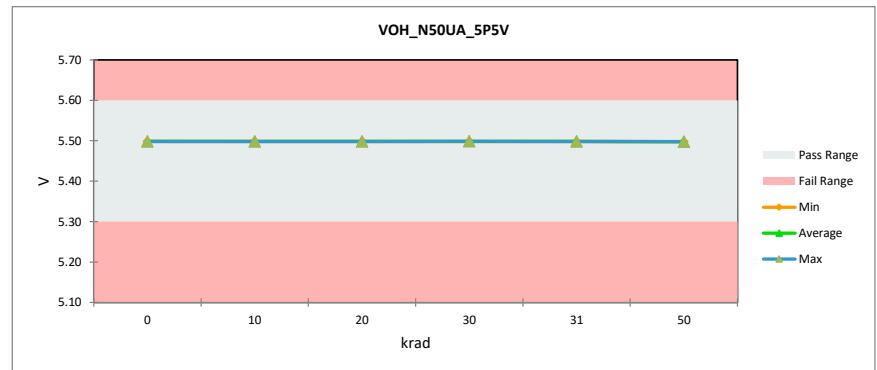
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.498	5.498	0.00	0.01%	0.11%
0	2	5.498	5.498	0.00	0.00%	0.07%
0	3	5.498	5.498	0.00	0.00%	0.09%
10	4	5.498	5.498	0.00	0.01%	0.14%
10	5	5.498	5.498	0.00	0.01%	0.10%
10	6	5.498	5.498	0.00	0.01%	0.12%
10	7	5.498	5.498	0.00	0.00%	0.07%
10	8	5.498	5.498	0.00	0.01%	0.11%
20	9	5.498	5.498	0.00	0.01%	0.10%
20	10	5.498	5.498	0.00	0.01%	0.10%
20	11	5.498	5.498	0.00	0.01%	0.15%
20	12	5.498	5.498	0.00	0.01%	0.13%
20	13	5.498	5.498	0.00	0.00%	0.07%
30	14	5.498	5.499	0.00	0.01%	0.13%
30	15	5.498	5.498	0.00	0.00%	0.09%
30	16	5.498	5.498	0.00	0.01%	0.14%
30	17	5.498	5.498	0.00	0.01%	0.10%
30	18	5.498	5.498	0.00	0.01%	0.16%
31	19	5.498	5.498	0.00	0.00%	0.06%
31	20	5.498	5.498	0.00	0.00%	0.03%
31	21	5.498	5.498	0.00	0.00%	0.09%
31	22	5.498	5.498	0.00	0.00%	0.07%
31	23	5.498	5.498	0.00	0.00%	0.03%
50	24	5.498	5.498	0.00	0.00%	0.05%
50	25	5.498	5.498	0.00	0.00%	0.07%
50	26	5.498	5.498	0.00	-0.01%	0.12%
50	27	5.498	5.498	0.00	-0.01%	0.12%
50	28	5.498	5.498	0.00	0.00%	0.04%
	Max	5.498	5.499	0.00	0.01%	0.16%
	Average	5.498	5.498	0.00	0.00%	0.09%
	Min	5.498	5.498	0.00	-0.01%	0.03%
	Std Dev	0.000	0.000	0.00	0.00%	0.04%



VOH_N50UA_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	5.6
Min Limit	5.3

krad	0	10	20	30	31	50
LL	5.30	5.30	5.30	5.30	5.30	5.30
Min	5.50	5.50	5.50	5.50	5.50	5.50
Average	5.50	5.50	5.50	5.50	5.50	5.50
Max	5.50	5.50	5.50	5.50	5.50	5.50
UL	5.60	5.60	5.60	5.60	5.60	5.60

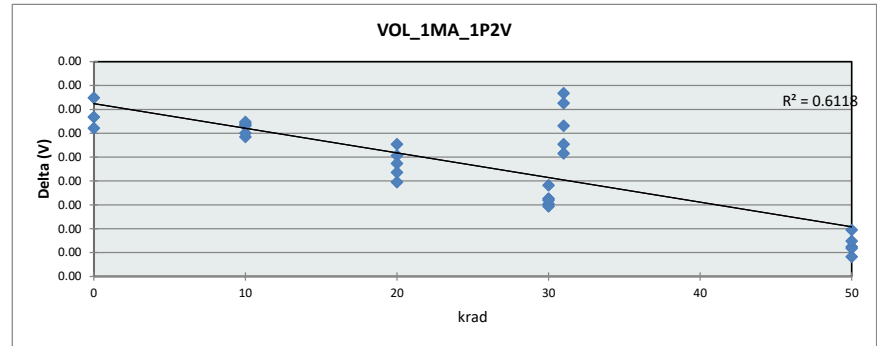


TID Report SN54SC4T125-SEP

VOL_1MA_1P2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.2
Min Limit	-0.1

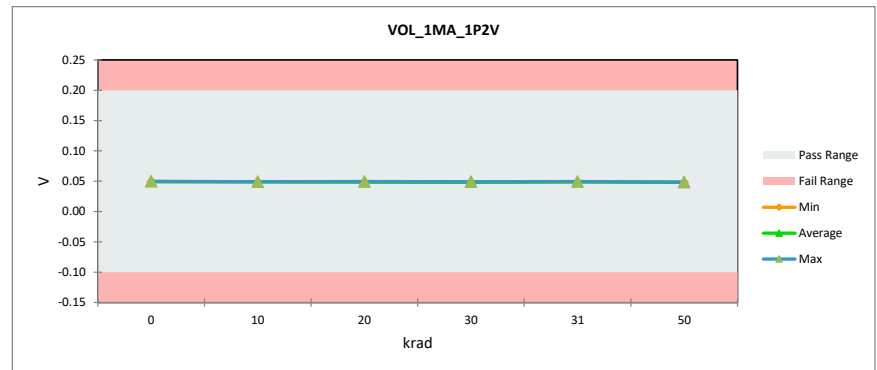
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.050	0.050	0.00	0.20%	0.03%
0	2	0.049	0.049	0.00	-0.13%	0.02%
0	3	0.049	0.049	0.00	-0.32%	0.05%
10	4	0.049	0.049	0.00	-0.25%	0.04%
10	5	0.049	0.049	0.00	-0.28%	0.05%
10	6	0.049	0.049	0.00	-0.47%	0.08%
10	7	0.049	0.049	0.00	-0.21%	0.04%
10	8	0.049	0.049	0.00	-0.40%	0.07%
20	9	0.050	0.049	0.00	-0.78%	0.13%
20	10	0.049	0.049	0.00	-0.60%	0.10%
20	11	0.049	0.049	0.00	-0.92%	0.15%
20	12	0.050	0.049	0.00	-1.22%	0.20%
20	13	0.049	0.048	0.00	-1.08%	0.18%
30	14	0.049	0.049	0.00	-1.60%	0.26%
30	15	0.049	0.048	0.00	-1.52%	0.25%
30	16	0.049	0.048	0.00	-1.66%	0.27%
30	17	0.049	0.048	0.00	-1.55%	0.25%
30	18	0.050	0.049	0.00	-1.28%	0.21%
31	19	0.049	0.049	0.00	-0.59%	0.10%
31	20	0.049	0.049	0.00	-0.75%	0.12%
31	21	0.049	0.049	0.00	0.28%	0.05%
31	22	0.049	0.049	0.00	0.11%	0.02%
31	23	0.050	0.050	0.00	-0.27%	0.05%
50	24	0.049	0.048	0.00	-2.49%	0.41%
50	25	0.049	0.048	0.00	-2.05%	0.34%
50	26	0.049	0.048	0.00	-2.33%	0.38%
50	27	0.049	0.048	0.00	-2.36%	0.39%
50	28	0.049	0.048	0.00	-2.25%	0.37%
	Max	0.050	0.050	0.00	0.28%	0.41%
	Average	0.049	0.049	0.00	-0.96%	0.16%
	Min	0.049	0.048	0.00	-2.49%	0.02%
	Std Dev	0.000	0.000	0.00	0.83%	0.13%



VOL_1MA_1P2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.05	0.05	0.05	0.05	0.05	0.05
Average	0.05	0.05	0.05	0.05	0.05	0.05
Max	0.05	0.05	0.05	0.05	0.05	0.05
UL	0.20	0.20	0.20	0.20	0.20	0.20



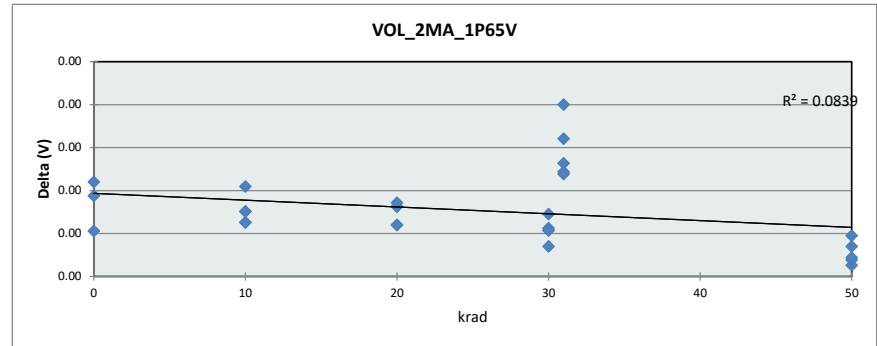
TID Report

SN54SC4T125-SEP

VOL_2MA_1P65V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.2
Min Limit	-0.1

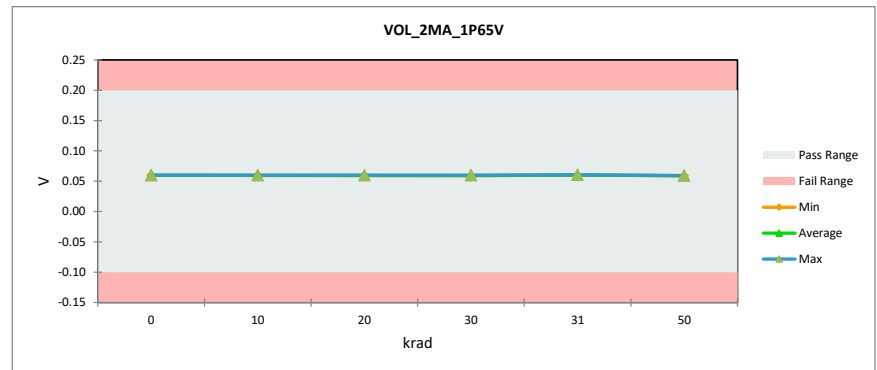
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.060	0.060	0.00	-0.10%	0.02%
0	2	0.060	0.060	0.00	-0.78%	0.16%
0	3	0.060	0.060	0.00	0.17%	0.03%
10	4	0.060	0.060	0.00	0.08%	0.02%
10	5	0.060	0.060	0.00	-0.41%	0.08%
10	6	0.060	0.060	0.00	-0.41%	0.08%
10	7	0.060	0.060	0.00	-0.61%	0.12%
10	8	0.060	0.059	0.00	-0.62%	0.12%
20	9	0.060	0.060	0.00	-0.31%	0.06%
20	10	0.059	0.059	0.00	-0.67%	0.13%
20	11	0.060	0.060	0.00	-0.31%	0.06%
20	12	0.060	0.060	0.00	-0.67%	0.13%
20	13	0.060	0.059	0.00	-0.24%	0.05%
30	14	0.060	0.059	0.00	-1.08%	0.22%
30	15	0.060	0.059	0.00	-0.73%	0.15%
30	16	0.060	0.059	0.00	-0.78%	0.15%
30	17	0.059	0.059	0.00	-0.46%	0.09%
30	18	0.060	0.060	0.00	-0.77%	0.15%
31	19	0.060	0.060	0.00	0.32%	0.06%
31	20	0.060	0.060	0.00	0.37%	0.07%
31	21	0.060	0.060	0.00	1.01%	0.20%
31	22	0.059	0.060	0.00	1.68%	0.33%
31	23	0.060	0.060	0.00	0.53%	0.11%
50	24	0.060	0.059	0.00	-1.09%	0.22%
50	25	0.060	0.059	0.00	-1.45%	0.29%
50	26	0.060	0.059	0.00	-1.34%	0.27%
50	27	0.060	0.059	0.00	-1.30%	0.26%
50	28	0.060	0.059	0.00	-0.88%	0.17%
	Max	0.060	0.060	0.00	1.68%	0.33%
	Average	0.060	0.060	0.00	-0.39%	0.14%
	Min	0.059	0.059	0.00	-1.45%	0.02%
	Std Dev	0.000	0.000	0.00	0.71%	0.08%



VOL_2MA_1P65V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.06	0.06	0.06	0.06	0.06	0.06
Average	0.06	0.06	0.06	0.06	0.06	0.06
Max	0.06	0.06	0.06	0.06	0.06	0.06
UL	0.20	0.20	0.20	0.20	0.20	0.20



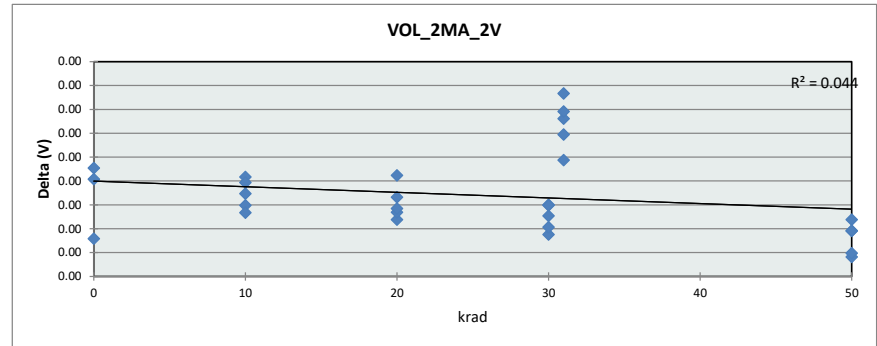
TID Report

SN54SC4T125-SEP

VOL_2MA_2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.25
Min Limit	-0.1

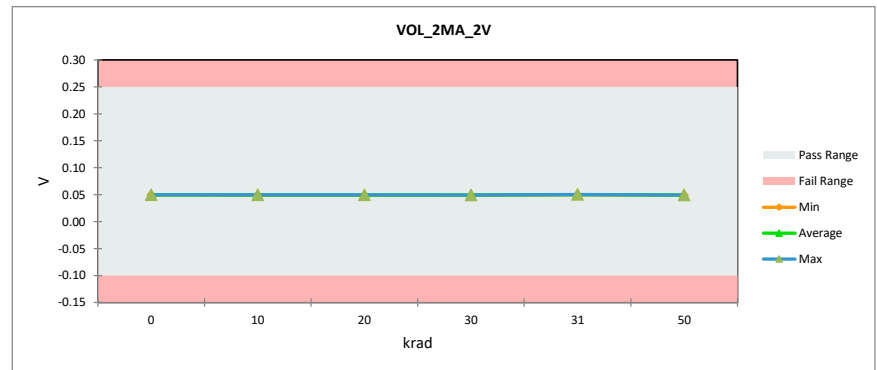
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.050	0.050	0.00	0.22%	0.03%
0	2	0.050	0.049	0.00	-0.97%	0.14%
0	3	0.050	0.050	0.00	0.03%	0.00%
10	4	0.049	0.049	0.00	0.07%	0.01%
10	5	0.049	0.049	0.00	-0.41%	0.06%
10	6	0.050	0.049	0.00	-0.21%	0.03%
10	7	0.050	0.050	0.00	-0.02%	0.00%
10	8	0.050	0.049	0.00	-0.54%	0.08%
20	9	0.050	0.050	0.00	0.09%	0.01%
20	10	0.049	0.049	0.00	-0.65%	0.09%
20	11	0.050	0.050	0.00	-0.53%	0.07%
20	12	0.050	0.050	0.00	-0.46%	0.07%
20	13	0.049	0.049	0.00	-0.28%	0.04%
30	14	0.050	0.049	0.00	-0.90%	0.13%
30	15	0.049	0.049	0.00	-0.40%	0.06%
30	16	0.049	0.049	0.00	-0.78%	0.11%
30	17	0.049	0.049	0.00	-0.59%	0.08%
30	18	0.050	0.049	0.00	-0.41%	0.06%
31	19	0.050	0.050	0.00	0.35%	0.05%
31	20	0.049	0.050	0.00	0.79%	0.11%
31	21	0.049	0.050	0.00	1.06%	0.15%
31	22	0.049	0.050	0.00	1.48%	0.21%
31	23	0.050	0.050	0.00	1.17%	0.17%
50	24	0.050	0.049	0.00	-0.84%	0.12%
50	25	0.050	0.049	0.00	-1.28%	0.18%
50	26	0.050	0.049	0.00	-1.21%	0.17%
50	27	0.050	0.049	0.00	-0.65%	0.09%
50	28	0.049	0.049	0.00	-0.84%	0.12%
	Max	0.050	0.050	0.00	1.48%	0.21%
	Average	0.050	0.049	0.00	-0.24%	0.09%
	Min	0.049	0.049	0.00	-1.28%	0.00%
	Std Dev	0.000	0.000	0.00	0.70%	0.06%



VOL_2MA_2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.25
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.05	0.05	0.05	0.05	0.05	0.05
Average	0.05	0.05	0.05	0.05	0.05	0.05
Max	0.05	0.05	0.05	0.05	0.05	0.05
UL	0.25	0.25	0.25	0.25	0.25	0.25



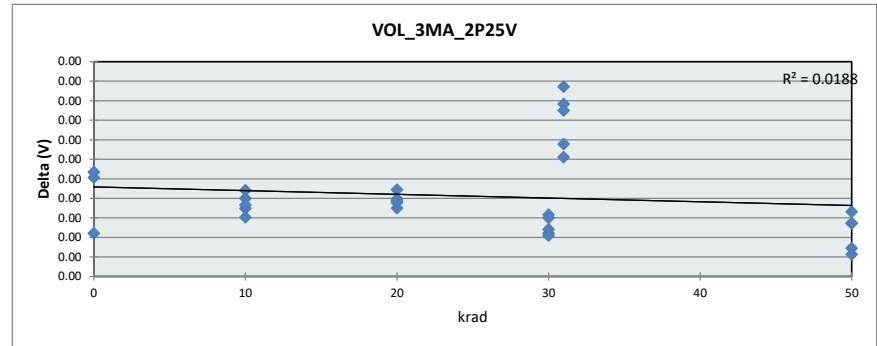
TID Report

SN54SC4T125-SEP

VOL_3MA_2P25V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.2
Min Limit	-0.1

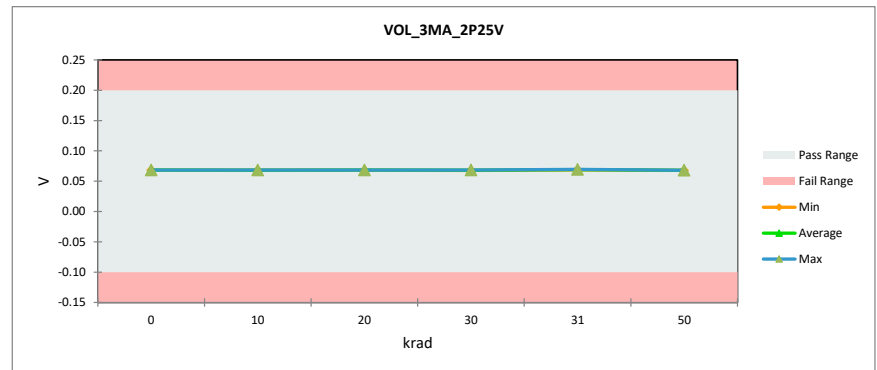
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.068	0.068	0.00	0.31%	0.07%
0	2	0.069	0.068	0.00	-0.52%	0.12%
0	3	0.068	0.068	0.00	0.40%	0.09%
10	4	0.068	0.068	0.00	0.00%	0.00%
10	5	0.068	0.068	0.00	-0.15%	0.03%
10	6	0.068	0.068	0.00	-0.10%	0.02%
10	7	0.068	0.068	0.00	-0.28%	0.06%
10	8	0.068	0.068	0.00	0.12%	0.03%
20	9	0.068	0.068	0.00	-0.06%	0.01%
20	10	0.068	0.068	0.00	0.13%	0.03%
20	11	0.068	0.068	0.00	-0.01%	0.00%
20	12	0.068	0.068	0.00	-0.15%	0.03%
20	13	0.068	0.068	0.00	-0.04%	0.01%
30	14	0.068	0.068	0.00	-0.24%	0.06%
30	15	0.068	0.068	0.00	-0.52%	0.12%
30	16	0.068	0.068	0.00	-0.56%	0.13%
30	17	0.068	0.068	0.00	-0.47%	0.11%
30	18	0.069	0.068	0.00	-0.29%	0.07%
31	19	0.068	0.069	0.00	0.82%	0.19%
31	20	0.068	0.069	0.00	0.62%	0.14%
31	21	0.068	0.069	0.00	1.42%	0.32%
31	22	0.068	0.069	0.00	1.68%	0.38%
31	23	0.069	0.069	0.00	1.31%	0.30%
50	24	0.068	0.068	0.00	-0.75%	0.17%
50	25	0.068	0.068	0.00	-0.37%	0.08%
50	26	0.068	0.068	0.00	-0.84%	0.19%
50	27	0.068	0.068	0.00	-0.20%	0.05%
50	28	0.068	0.068	0.00	-0.37%	0.08%
	Max	0.069	0.069	0.00	1.68%	0.38%
	Average	0.068	0.068	0.00	0.03%	0.10%
	Min	0.068	0.068	0.00	-0.84%	0.00%
	Std Dev	0.000	0.000	0.00	0.63%	0.10%



VOL_3MA_2P25V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.07	0.07	0.07	0.07	0.07	0.07
Average	0.07	0.07	0.07	0.07	0.07	0.07
Max	0.07	0.07	0.07	0.07	0.07	0.07
UL	0.20	0.20	0.20	0.20	0.20	0.20



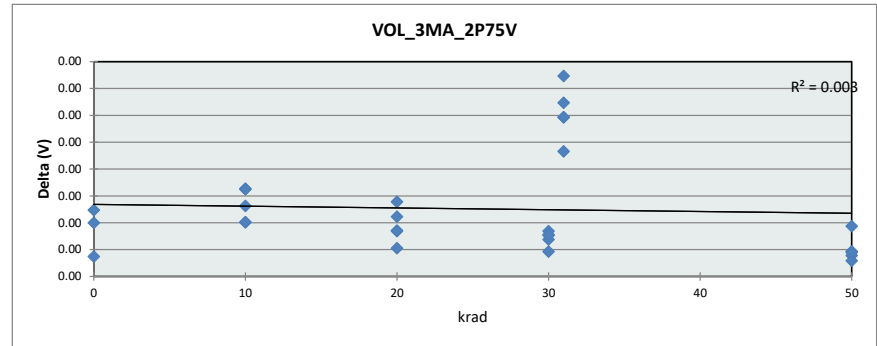
TID Report

SN54SC4T125-SEP

VOL_3MA_2P75V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.2
Min Limit	-0.1

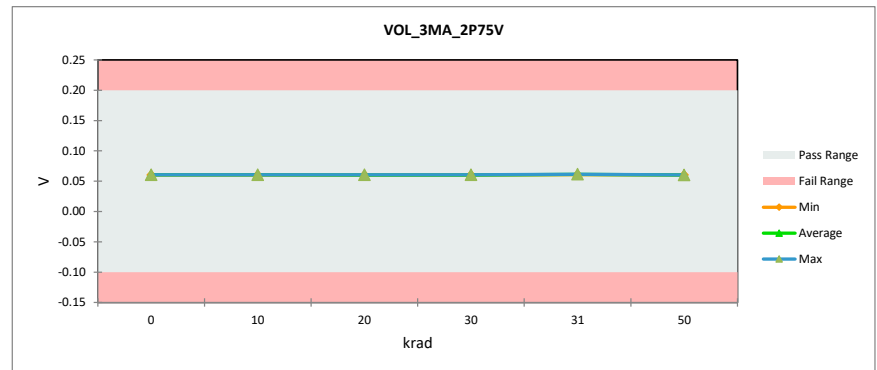
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.060	0.060	0.00	0.00%	0.00%
0	2	0.061	0.060	0.00	-0.42%	0.08%
0	3	0.061	0.061	0.00	0.16%	0.03%
10	4	0.060	0.060	0.00	0.42%	0.08%
10	5	0.060	0.060	0.00	0.01%	0.00%
10	6	0.060	0.060	0.00	0.42%	0.08%
10	7	0.060	0.061	0.00	0.21%	0.04%
10	8	0.060	0.060	0.00	0.01%	0.00%
20	9	0.060	0.061	0.00	0.26%	0.05%
20	10	0.060	0.060	0.00	-0.09%	0.02%
20	11	0.061	0.060	0.00	-0.10%	0.02%
20	12	0.061	0.060	0.00	-0.31%	0.06%
20	13	0.060	0.060	0.00	0.08%	0.02%
30	14	0.060	0.060	0.00	-0.10%	0.02%
30	15	0.060	0.060	0.00	-0.21%	0.04%
30	16	0.060	0.060	0.00	-0.35%	0.07%
30	17	0.060	0.060	0.00	-0.15%	0.03%
30	18	0.061	0.061	0.00	-0.15%	0.03%
31	19	0.060	0.061	0.00	1.30%	0.26%
31	20	0.060	0.061	0.00	0.88%	0.18%
31	21	0.060	0.061	0.00	1.48%	0.30%
31	22	0.060	0.061	0.00	1.81%	0.36%
31	23	0.061	0.061	0.00	1.30%	0.26%
50	24	0.060	0.060	0.00	-0.40%	0.08%
50	25	0.060	0.060	0.00	-0.35%	0.07%
50	26	0.061	0.060	0.00	-0.47%	0.09%
50	27	0.060	0.060	0.00	-0.36%	0.07%
50	28	0.060	0.060	0.00	-0.04%	0.01%
	Max	0.061	0.061	0.00	1.81%	0.36%
	Average	0.060	0.060	0.00	0.17%	0.09%
	Min	0.060	0.060	0.00	-0.47%	0.00%
	Std Dev	0.000	0.000	0.00	0.62%	0.10%



VOL_3MA_2P75V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.2
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.06	0.06	0.06	0.06	0.06	0.06
Average	0.06	0.06	0.06	0.06	0.06	0.06
Max	0.06	0.06	0.06	0.06	0.06	0.06
UL	0.20	0.20	0.20	0.20	0.20	0.20



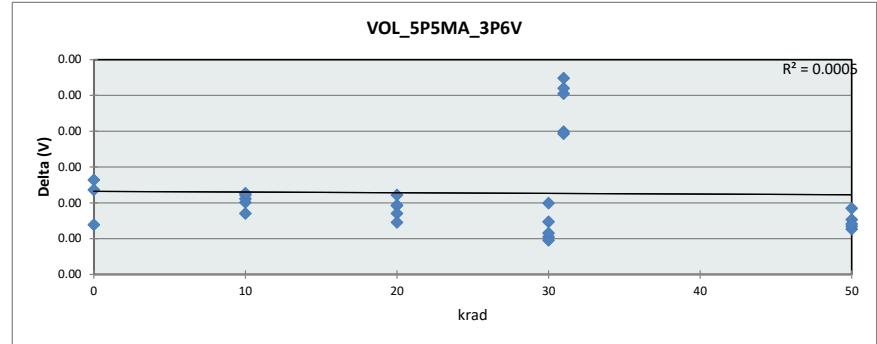
TID Report

SN54SC4T125-SEP

VOL_5P5MA_3P6V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.25
Min Limit	-0.1

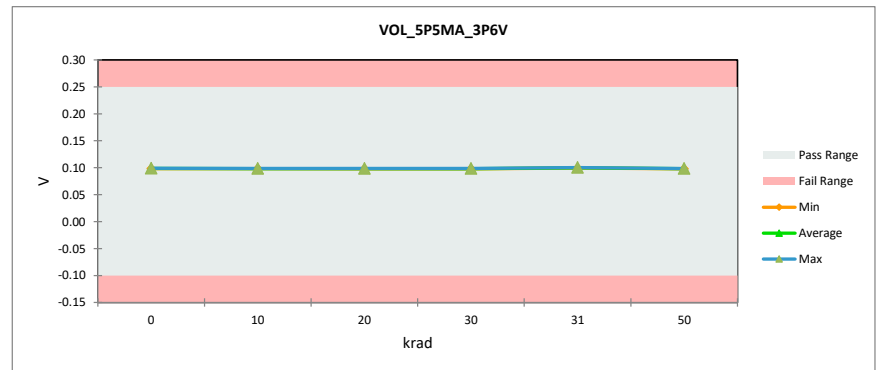
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.098	0.099	0.00	0.19%	0.05%
0	2	0.099	0.098	0.00	-0.31%	0.09%
0	3	0.099	0.099	0.00	0.33%	0.09%
10	4	0.098	0.098	0.00	0.01%	0.00%
10	5	0.098	0.098	0.00	0.06%	0.02%
10	6	0.098	0.098	0.00	-0.15%	0.04%
10	7	0.098	0.098	0.00	0.11%	0.03%
10	8	0.098	0.098	0.00	0.14%	0.04%
20	9	0.099	0.099	0.00	-0.03%	0.01%
20	10	0.098	0.098	0.00	0.11%	0.03%
20	11	0.099	0.099	0.00	-0.04%	0.01%
20	12	0.099	0.099	0.00	-0.15%	0.04%
20	13	0.098	0.098	0.00	-0.28%	0.08%
30	14	0.099	0.098	0.00	-0.48%	0.14%
30	15	0.098	0.098	0.00	-0.53%	0.15%
30	16	0.098	0.098	0.00	-0.27%	0.08%
30	17	0.098	0.098	0.00	-0.43%	0.12%
30	18	0.099	0.099	0.00	0.00%	0.00%
31	19	0.099	0.100	0.00	1.01%	0.28%
31	20	0.098	0.099	0.00	0.98%	0.28%
31	21	0.098	0.100	0.00	1.55%	0.44%
31	22	0.098	0.100	0.00	1.63%	0.46%
31	23	0.099	0.100	0.00	1.77%	0.50%
50	24	0.099	0.098	0.00	-0.37%	0.10%
50	25	0.099	0.098	0.00	-0.33%	0.09%
50	26	0.099	0.098	0.00	-0.24%	0.07%
50	27	0.099	0.098	0.00	-0.30%	0.08%
50	28	0.098	0.098	0.00	-0.08%	0.02%
	Max	0.099	0.100	0.00	1.77%	0.50%
	Average	0.098	0.099	0.00	0.14%	0.12%
	Min	0.098	0.098	0.00	-0.53%	0.00%
	Std Dev	0.000	0.001	0.00	0.64%	0.14%



VOL_5P5MA_3P6V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.25
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.10	0.10	0.10	0.10	0.10	0.10
Average	0.10	0.10	0.10	0.10	0.10	0.10
Max	0.10	0.10	0.10	0.10	0.10	0.10
UL	0.25	0.25	0.25	0.25	0.25	0.25



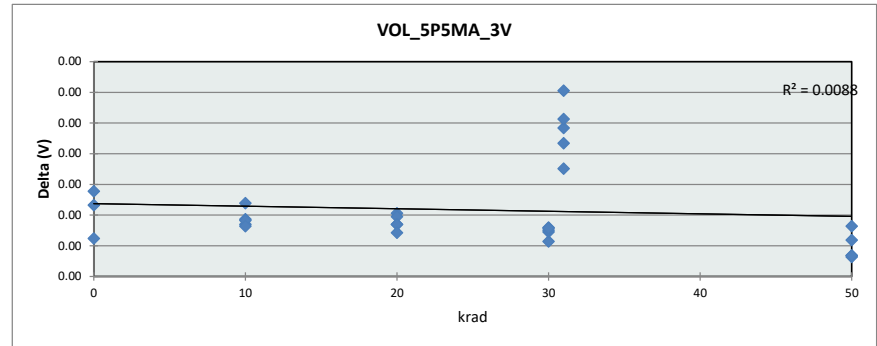
TID Report

SN54SC4T125-SEP

VOL_5P5MA_3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.25
Min Limit	-0.1

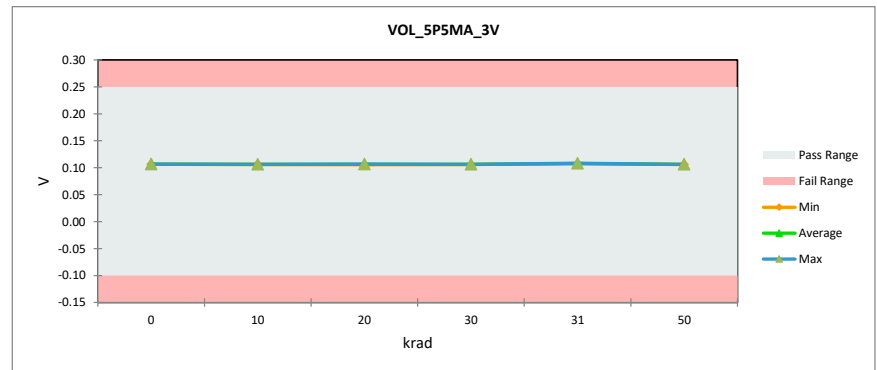
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.106	0.107	0.00	0.37%	0.11%
0	2	0.107	0.106	0.00	-0.36%	0.11%
0	3	0.107	0.107	0.00	0.15%	0.05%
10	4	0.106	0.106	0.00	-0.06%	0.02%
10	5	0.106	0.106	0.00	-0.14%	0.04%
10	6	0.106	0.106	0.00	0.18%	0.06%
10	7	0.106	0.106	0.00	-0.08%	0.02%
10	8	0.106	0.106	0.00	-0.17%	0.05%
20	9	0.107	0.107	0.00	0.03%	0.01%
20	10	0.106	0.106	0.00	-0.14%	0.04%
20	11	0.107	0.107	0.00	-0.02%	0.01%
20	12	0.107	0.106	0.00	-0.14%	0.04%
20	13	0.106	0.105	0.00	-0.27%	0.08%
30	14	0.107	0.106	0.00	-0.40%	0.12%
30	15	0.106	0.106	0.00	-0.19%	0.06%
30	16	0.106	0.106	0.00	-0.26%	0.08%
30	17	0.106	0.106	0.00	-0.23%	0.07%
30	18	0.107	0.107	0.00	-0.20%	0.06%
31	19	0.107	0.107	0.00	0.71%	0.22%
31	20	0.106	0.107	0.00	1.10%	0.33%
31	21	0.106	0.108	0.00	1.34%	0.41%
31	22	0.106	0.108	0.00	1.91%	0.58%
31	23	0.107	0.108	0.00	1.47%	0.45%
50	24	0.107	0.106	0.00	-0.62%	0.19%
50	25	0.107	0.106	0.00	-0.64%	0.19%
50	26	0.107	0.106	0.00	-0.38%	0.12%
50	27	0.107	0.106	0.00	-0.62%	0.19%
50	28	0.106	0.106	0.00	-0.17%	0.05%
	Max	0.107	0.108	0.00	1.91%	0.58%
	Average	0.106	0.106	0.00	0.08%	0.13%
	Min	0.106	0.105	0.00	-0.64%	0.01%
	Std Dev	0.000	0.001	0.00	0.65%	0.14%



VOL_5P5MA_3V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.25
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.11	0.11	0.11	0.11	0.11	0.11
Average	0.11	0.11	0.11	0.11	0.11	0.11
Max	0.11	0.11	0.11	0.11	0.11	0.11
UL	0.25	0.25	0.25	0.25	0.25	0.25

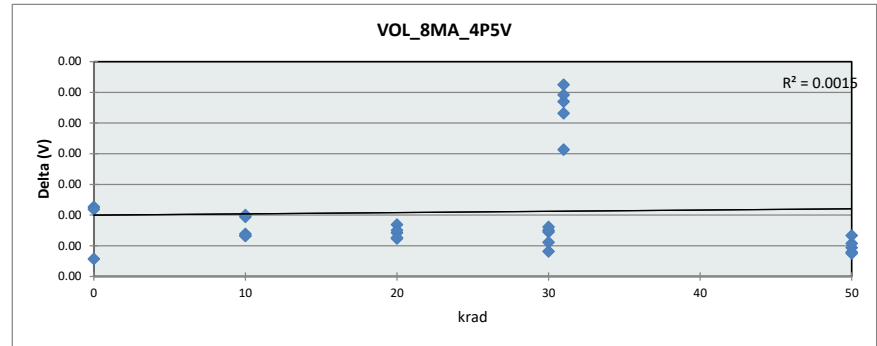


TID Report

SN54SC4T125-SEP

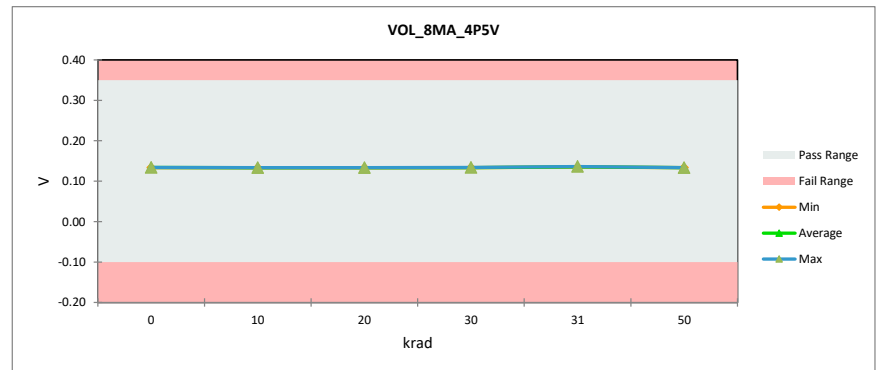
VOL_8MA_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.35
Min Limit	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.134	0.134	0.00	0.10%	0.03%
0	2	0.134	0.133	0.00	-0.53%	0.16%
0	3	0.134	0.134	0.00	0.07%	0.02%
10	4	0.133	0.133	0.00	-0.23%	0.07%
10	5	0.133	0.133	0.00	-0.02%	0.01%
10	6	0.134	0.133	0.00	-0.25%	0.07%
10	7	0.134	0.134	0.00	0.00%	0.00%
10	8	0.134	0.133	0.00	-0.25%	0.07%
20	9	0.134	0.134	0.00	-0.21%	0.06%
20	10	0.134	0.134	0.00	-0.12%	0.03%
20	11	0.134	0.134	0.00	-0.28%	0.08%
20	12	0.134	0.134	0.00	-0.19%	0.06%
20	13	0.133	0.133	0.00	-0.28%	0.08%
30	14	0.134	0.133	0.00	-0.44%	0.13%
30	15	0.134	0.133	0.00	-0.20%	0.06%
30	16	0.133	0.133	0.00	-0.19%	0.06%
30	17	0.134	0.133	0.00	-0.33%	0.10%
30	18	0.134	0.134	0.00	-0.14%	0.04%
31	19	0.134	0.135	0.00	0.80%	0.24%
31	20	0.134	0.135	0.00	1.24%	0.37%
31	21	0.133	0.135	0.00	1.38%	0.41%
31	22	0.134	0.136	0.00	1.47%	0.44%
31	23	0.134	0.136	0.00	1.58%	0.47%
50	24	0.134	0.133	0.00	-0.45%	0.13%
50	25	0.134	0.134	0.00	-0.40%	0.12%
50	26	0.134	0.133	0.00	-0.47%	0.14%
50	27	0.134	0.133	0.00	-0.34%	0.10%
50	28	0.134	0.133	0.00	-0.25%	0.07%
	Max	0.134	0.136	0.00	1.58%	0.47%
	Average	0.134	0.134	0.00	0.04%	0.13%
	Min	0.133	0.133	0.00	-0.53%	0.00%
	Std Dev	0.000	0.001	0.00	0.63%	0.13%



VOL_8MA_4P5V	
Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.35
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.13	0.13	0.13	0.13	0.13	0.13
Average	0.13	0.13	0.13	0.13	0.14	0.13
Max	0.13	0.13	0.13	0.13	0.14	0.13
UL	0.35	0.35	0.35	0.35	0.35	0.35



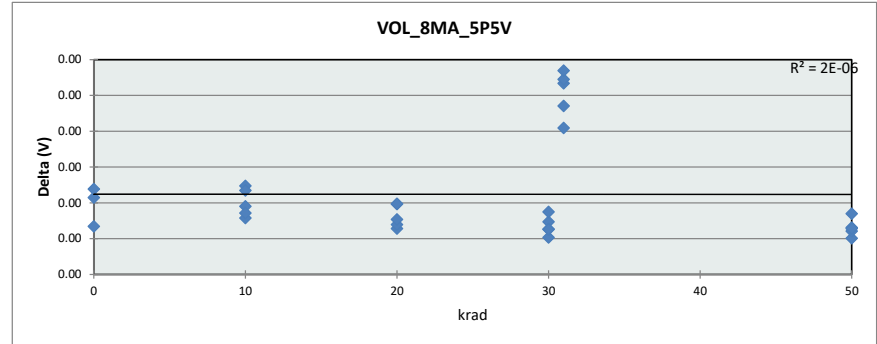
TID Report

SN54SC4T125-SEP

VOL_8MA_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.35
Min Limit	-0.1

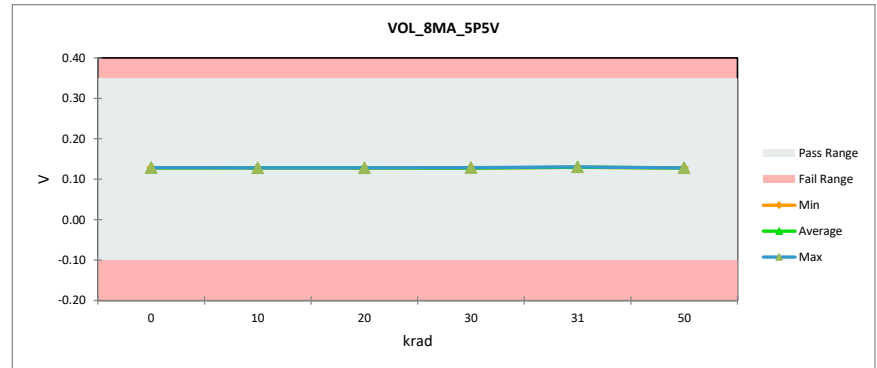
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.128	0.128	0.00	0.06%	0.02%
0	2	0.128	0.128	0.00	-0.25%	0.07%
0	3	0.128	0.128	0.00	0.15%	0.04%
10	4	0.128	0.128	0.00	0.19%	0.05%
10	5	0.128	0.128	0.00	-0.04%	0.01%
10	6	0.128	0.128	0.00	0.14%	0.04%
10	7	0.128	0.128	0.00	-0.16%	0.05%
10	8	0.128	0.128	0.00	-0.11%	0.03%
20	9	0.128	0.128	0.00	-0.28%	0.08%
20	10	0.128	0.128	0.00	-0.01%	0.00%
20	11	0.128	0.128	0.00	-0.01%	0.00%
20	12	0.128	0.128	0.00	-0.24%	0.07%
20	13	0.128	0.127	0.00	-0.18%	0.05%
30	14	0.128	0.128	0.00	-0.38%	0.11%
30	15	0.128	0.128	0.00	-0.21%	0.06%
30	16	0.128	0.128	0.00	-0.29%	0.08%
30	17	0.128	0.128	0.00	-0.29%	0.08%
30	18	0.128	0.128	0.00	-0.10%	0.03%
31	19	0.128	0.129	0.00	0.82%	0.23%
31	20	0.128	0.129	0.00	1.06%	0.30%
31	21	0.128	0.130	0.00	1.31%	0.37%
31	22	0.128	0.130	0.00	1.35%	0.38%
31	23	0.128	0.130	0.00	1.44%	0.41%
50	24	0.128	0.128	0.00	-0.27%	0.08%
50	25	0.128	0.128	0.00	-0.39%	0.11%
50	26	0.128	0.128	0.00	-0.31%	0.09%
50	27	0.128	0.128	0.00	-0.28%	0.08%
50	28	0.128	0.128	0.00	-0.12%	0.03%
	Max	0.128	0.130	0.00	1.44%	0.41%
	Average	0.128	0.128	0.00	0.09%	0.11%
	Min	0.128	0.127	0.00	-0.39%	0.00%
	Std Dev	0.000	0.001	0.00	0.55%	0.12%



VOL_8MA_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.35
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.13	0.13	0.13	0.13	0.13	0.13
Average	0.13	0.13	0.13	0.13	0.13	0.13
Max	0.13	0.13	0.13	0.13	0.13	0.13
UL	0.35	0.35	0.35	0.35	0.35	0.35



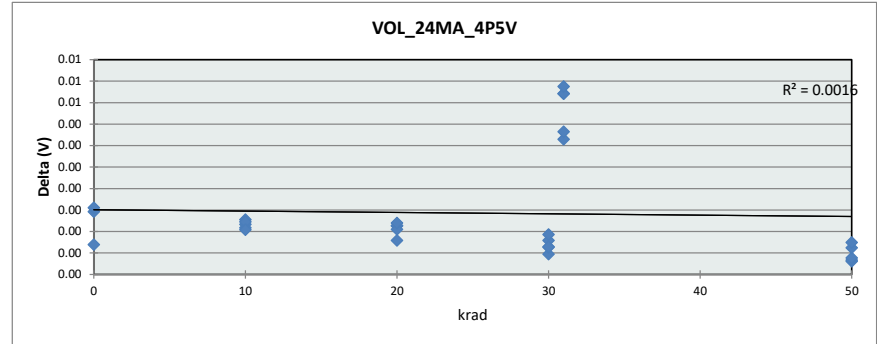
TID Report

SN54SC4T125-SEP

VOL_24MA_4P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.75
Min Limit	-0.1

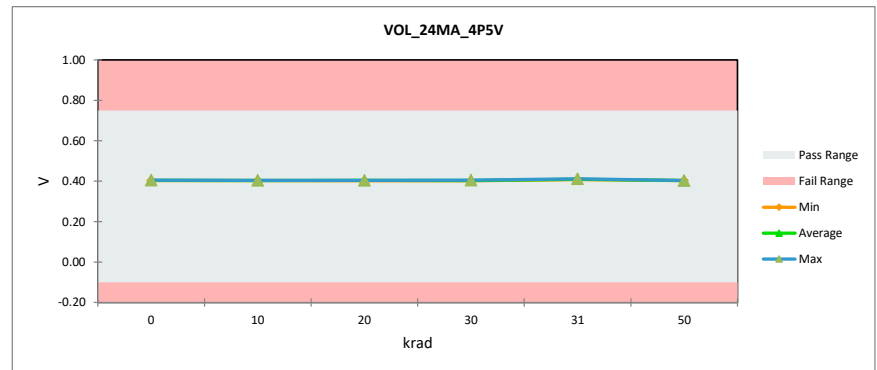
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.404	0.404	0.00	-0.02%	0.01%
0	2	0.405	0.403	0.00	-0.40%	0.19%
0	3	0.405	0.406	0.00	0.03%	0.01%
10	4	0.403	0.403	0.00	-0.11%	0.05%
10	5	0.404	0.403	0.00	-0.17%	0.08%
10	6	0.405	0.404	0.00	-0.20%	0.10%
10	7	0.404	0.404	0.00	-0.13%	0.06%
10	8	0.404	0.403	0.00	-0.23%	0.11%
20	9	0.405	0.404	0.00	-0.18%	0.09%
20	10	0.404	0.404	0.00	-0.18%	0.09%
20	11	0.405	0.405	0.00	-0.22%	0.11%
20	12	0.405	0.404	0.00	-0.35%	0.17%
20	13	0.403	0.402	0.00	-0.15%	0.07%
30	14	0.405	0.403	0.00	-0.51%	0.24%
30	15	0.404	0.403	0.00	-0.43%	0.20%
30	16	0.404	0.402	0.00	-0.35%	0.17%
30	17	0.405	0.403	0.00	-0.42%	0.20%
30	18	0.406	0.405	0.00	-0.28%	0.13%
31	19	0.405	0.408	0.00	0.81%	0.39%
31	20	0.404	0.408	0.00	0.90%	0.43%
31	21	0.404	0.409	0.01	1.34%	0.64%
31	22	0.405	0.410	0.01	1.34%	0.64%
31	23	0.406	0.412	0.01	1.42%	0.68%
50	24	0.405	0.403	0.00	-0.59%	0.28%
50	25	0.406	0.403	0.00	-0.57%	0.27%
50	26	0.406	0.403	0.00	-0.55%	0.26%
50	27	0.405	0.403	0.00	-0.43%	0.21%
50	28	0.404	0.403	0.00	-0.37%	0.18%
	Max	0.406	0.412	0.01	1.42%	0.68%
	Average	0.405	0.405	0.00	-0.04%	0.22%
	Min	0.403	0.402	0.00	-0.59%	0.01%
	Std Dev	0.001	0.003	0.00	0.60%	0.18%



VOL_24MA_4P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.75
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.40	0.40	0.40	0.40	0.41	0.40
Average	0.40	0.40	0.40	0.40	0.41	0.40
Max	0.41	0.40	0.40	0.40	0.41	0.40
UL	0.75	0.75	0.75	0.75	0.75	0.75



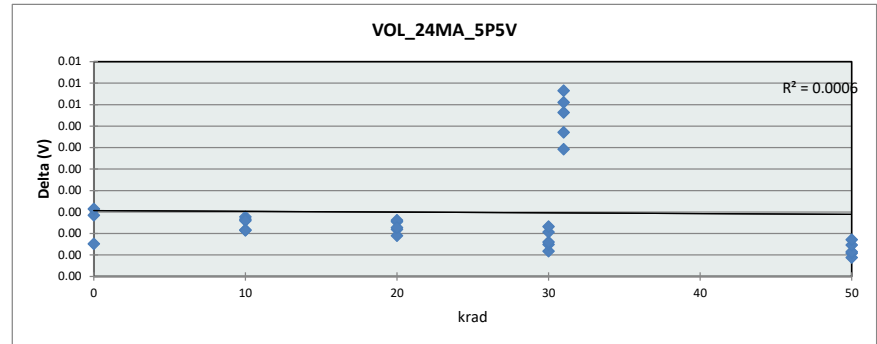
TID Report

SN54SC4T125-SEP

VOL_24MA_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.75
Min Limit	-0.1

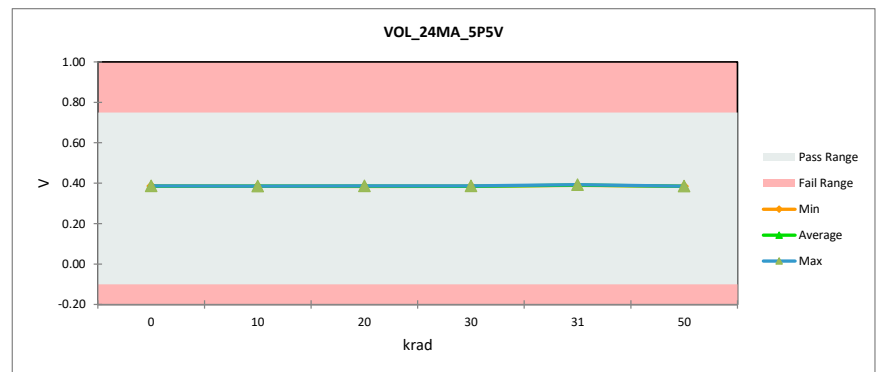
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.386	0.386	0.00	-0.04%	0.02%
0	2	0.387	0.385	0.00	-0.38%	0.17%
0	3	0.387	0.387	0.00	0.04%	0.02%
10	4	0.385	0.385	0.00	-0.06%	0.03%
10	5	0.386	0.385	0.00	-0.09%	0.04%
10	6	0.386	0.385	0.00	-0.22%	0.10%
10	7	0.386	0.385	0.00	-0.10%	0.05%
10	8	0.385	0.385	0.00	-0.22%	0.10%
20	9	0.386	0.386	0.00	-0.12%	0.05%
20	10	0.386	0.385	0.00	-0.10%	0.05%
20	11	0.387	0.386	0.00	-0.21%	0.09%
20	12	0.387	0.385	0.00	-0.29%	0.13%
20	13	0.384	0.384	0.00	-0.19%	0.09%
30	14	0.386	0.385	0.00	-0.47%	0.21%
30	15	0.386	0.384	0.00	-0.39%	0.18%
30	16	0.385	0.384	0.00	-0.36%	0.16%
30	17	0.386	0.385	0.00	-0.24%	0.11%
30	18	0.387	0.386	0.00	-0.18%	0.08%
31	19	0.386	0.389	0.00	0.76%	0.34%
31	20	0.386	0.390	0.00	0.96%	0.44%
31	21	0.385	0.390	0.00	1.20%	0.54%
31	22	0.386	0.391	0.01	1.32%	0.60%
31	23	0.387	0.393	0.01	1.46%	0.67%
50	24	0.387	0.384	0.00	-0.55%	0.25%
50	25	0.387	0.385	0.00	-0.49%	0.23%
50	26	0.387	0.385	0.00	-0.48%	0.22%
50	27	0.386	0.385	0.00	-0.40%	0.18%
50	28	0.386	0.384	0.00	-0.33%	0.15%
	Max	0.387	0.393	0.01	1.46%	0.67%
	Average	0.386	0.386	0.00	-0.01%	0.19%
	Min	0.384	0.384	0.00	-0.55%	0.02%
	Std Dev	0.001	0.002	0.00	0.57%	0.18%



VOL_24MA_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.75
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.39	0.38	0.38	0.38	0.39	0.38
Average	0.39	0.38	0.39	0.38	0.39	0.38
Max	0.39	0.39	0.39	0.39	0.39	0.39
UL	0.75	0.75	0.75	0.75	0.75	0.75



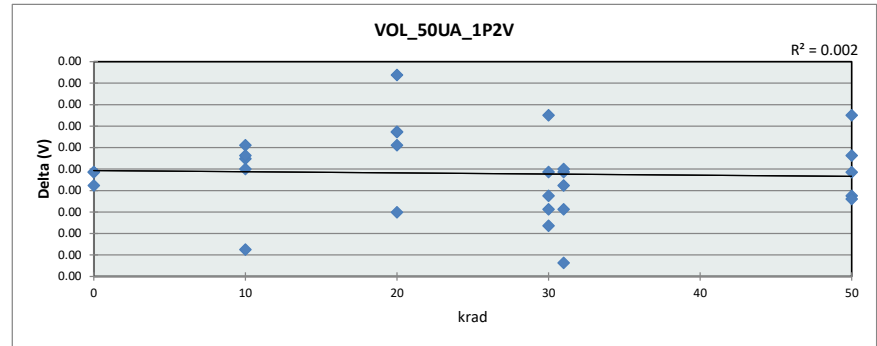
TID Report

SN54SC4T125-SEP

VOL_50UA_1P2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.1
Min Limit	-0.1

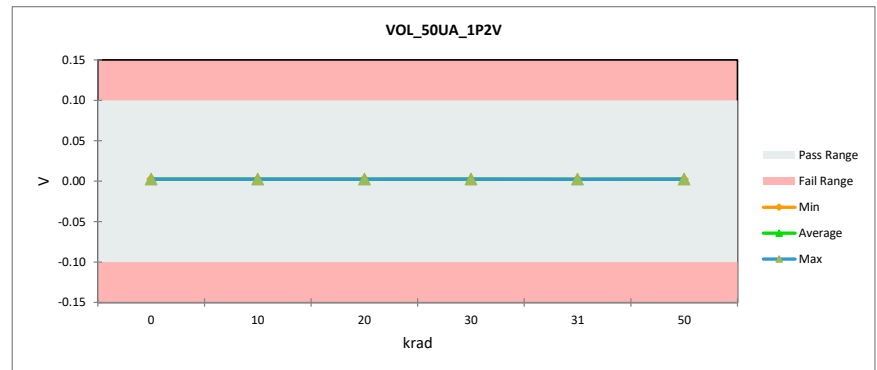
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.002	0.002	0.00	2.61%	0.03%
0	2	0.002	0.002	0.00	3.98%	0.05%
0	3	0.002	0.002	0.00	4.04%	0.05%
10	4	0.002	0.002	0.00	6.94%	0.08%
10	5	0.002	0.002	0.00	4.25%	0.05%
10	6	0.002	0.002	0.00	5.40%	0.06%
10	7	0.002	0.002	0.00	5.81%	0.07%
10	8	0.002	0.002	0.00	-3.65%	0.04%
20	9	0.002	0.002	0.00	6.94%	0.08%
20	10	0.002	0.002	0.00	8.22%	0.09%
20	11	0.002	0.002	0.00	14.92%	0.16%
20	12	0.002	0.002	0.00	8.11%	0.09%
20	13	0.002	0.002	0.00	-0.03%	0.00%
30	14	0.002	0.002	0.00	4.16%	0.05%
30	15	0.002	0.002	0.00	0.27%	0.00%
30	16	0.002	0.002	0.00	-1.40%	0.02%
30	17	0.002	0.002	0.00	1.62%	0.02%
30	18	0.002	0.003	0.00	9.81%	0.11%
31	19	0.002	0.002	0.00	2.76%	0.03%
31	20	0.002	0.002	0.00	-4.89%	0.06%
31	21	0.002	0.002	0.00	4.10%	0.05%
31	22	0.002	0.002	0.00	0.28%	0.00%
31	23	0.002	0.002	0.00	4.37%	0.05%
50	24	0.002	0.002	0.00	1.67%	0.02%
50	25	0.002	0.002	0.00	1.33%	0.02%
50	26	0.002	0.002	0.00	5.81%	0.07%
50	27	0.002	0.002	0.00	9.95%	0.11%
50	28	0.002	0.002	0.00	3.98%	0.05%
	Max	0.002	0.003	0.00	14.92%	0.16%
	Average	0.002	0.002	0.00	3.98%	0.05%
	Min	0.002	0.002	0.00	-4.89%	0.00%
	Std Dev	0.000	0.000	0.00	4.22%	0.04%



VOL_50UA_1P2V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.1
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	0.00	0.00
UL	0.10	0.10	0.10	0.10	0.10	0.10



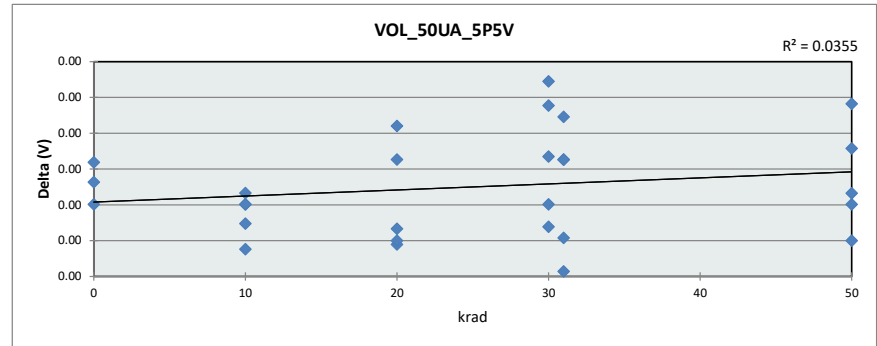
TID Report

SN54SC4T125-SEP

VOL_50UA_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.1
Min Limit	-0.1

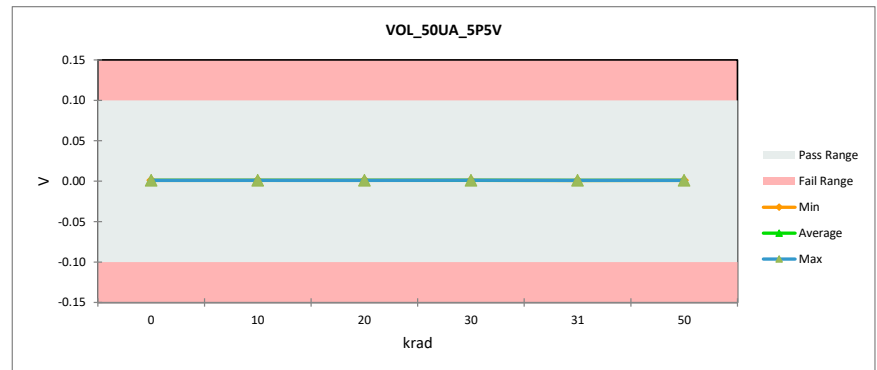
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.001	0.00	26.42%	0.10%
0	2	0.001	0.001	0.00	30.80%	0.13%
0	3	0.001	0.001	0.00	49.49%	0.16%
10	4	0.001	0.001	0.00	25.37%	0.10%
10	5	0.001	0.001	0.00	24.41%	0.10%
10	6	0.001	0.001	0.00	8.31%	0.04%
10	7	0.001	0.001	0.00	33.25%	0.12%
10	8	0.001	0.001	0.00	17.25%	0.07%
20	9	0.001	0.001	0.00	15.03%	0.07%
20	10	0.001	0.001	0.00	10.62%	0.04%
20	11	0.001	0.001	0.00	11.62%	0.05%
20	12	0.001	0.001	0.00	51.21%	0.16%
20	13	0.001	0.001	0.00	62.81%	0.21%
30	14	0.001	0.001	0.00	42.21%	0.17%
30	15	0.001	0.001	0.00	16.22%	0.07%
30	16	0.001	0.001	0.00	27.56%	0.10%
30	17	0.001	0.001	0.00	94.79%	0.27%
30	18	0.001	0.001	0.00	78.70%	0.24%
31	19	0.001	0.001	0.00	13.57%	0.05%
31	20	0.001	0.001	0.00	1.64%	0.01%
31	21	0.001	0.001	0.00	44.63%	0.16%
31	22	0.001	0.001	0.00	77.56%	0.22%
31	23	0.001	0.001	0.00	53.86%	0.16%
50	24	0.001	0.001	0.00	75.69%	0.24%
50	25	0.001	0.001	0.00	53.48%	0.18%
50	26	0.001	0.001	0.00	23.51%	0.10%
50	27	0.001	0.001	0.00	11.62%	0.05%
50	28	0.001	0.001	0.00	28.18%	0.12%
Max		0.001	0.001	0.00	94.79%	0.27%
Average		0.001	0.001	0.00	36.06%	0.13%
Min		0.001	0.001	0.00	1.64%	0.01%
Std Dev		0.000	0.000	0.00	24.78%	0.07%



VOL_50UA_5P5V

Test Site	SLAB
Tester	ETS88B
Test Number	EQ774000
Units	V
Max Limit	0.1
Min Limit	-0.1

krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	0.00	0.00
UL	0.10	0.10	0.10	0.10	0.10	0.10



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