



## ABSTRACT

This report covers the radiation characterization results of the SN54SC4T08-SEP AND 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). However, Radiation Lot Acceptance Testing (RLAT) will be performed using 22 units at a dose level of 30 krad(Si) for future wafer lots. Furthermore, the SN54SC4T08-SEP is packaged in a space enhanced plastic for low outgassing characteristics and is Single Event Latch-Up (SEL) immune up to 43 MeV-cm<sup>2</sup>/mg, which makes the device an option for low Earth orbit space applications. The device can be used to drive signals over relatively long traces or transmission lines.

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## 1 Device Information

The SN54SC4T08-SEP contains four independent 2-input AND Gates . Each gate performs the Boolean function  $Y = A \times B$  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.)

### 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	SN54SC4T08-SEP
Package	14-pin PW (TSSOP)
Technology	LBC9
Die Lot Number	2187553RFB
A/T Lot Number and Date Code	3130410ML3 / 2CARH9K
Quantity Tested	44 irradiated devices + 3 control
Lot Accept or Reject	Devices passed 30 krad(Si)
HDR Radiation Facility	Texas Instruments SLAB in Dallas, Texas
HDR Dose Level	10 krad(Si), 20 krad(Si), 30 krad(Si), 50 krad(Si)
HDR Dose Rate	203.27 -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 SN54SC4T08-SEP samples were irradiated at a high dose rate of 203.27 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 SN54SC4T08-SEP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI facility in Dallas, Texas. The un-attenuated dose rate of this cell is 203.27 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 Biased

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

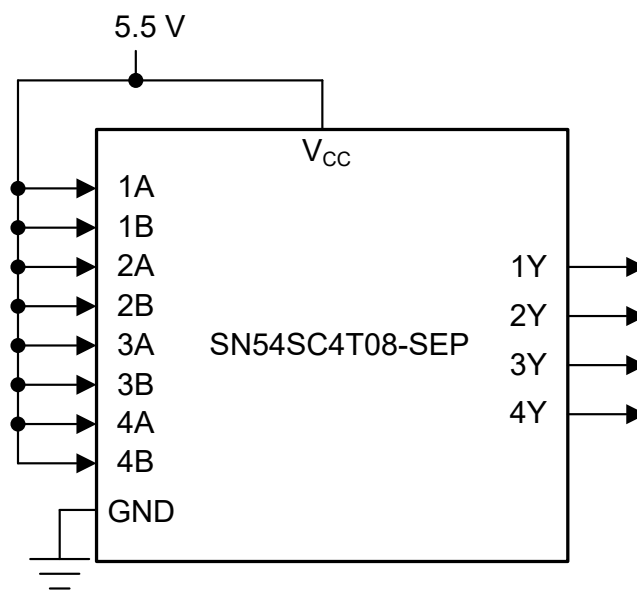


Figure 2-1. SN54SC4T08-SEP Biased Diagram

## 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. From initial feasibility studies the difference between pre- and post irradiation was greater for samples that were biased. For example, for RLAT 22 sample units were used at the 209-264 rad(Si)/s dose level with biased setup conditions and this is repeated for each wafer lot. 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 on the ATE and passed all tests to the specified SMD test limits.

[Table 2-1](#) lists the serialized samples used for TID characterization.

**Table 2-1. HDR Device Information**

Control Group	HDR = 203.27 rad(Si)/s				
Total Samples: 3	Total Samples: 44				
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 - 42	43 - 47

## 3 TID Characterization Test Results

### 3.1 TID Characterization Summary Results

The parametric data for the SN54SC4T08-SEP passes up to 30 krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the SN54SC4T08-SEP showed a strong degree of hardness to HDR TID irradiation up to 30 krad(Si). The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level. The parameters that did show a greater degree of change between pre- and post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. For the data sheet electrical parameters and associated tests, see [SN54SC4T08-SEP Radiation-Tolerant, 1.2-V to 5.5-V, Quadruple 2-Input Positive-AND Gates With Integrated Translation](#).

See [Section 5](#) for HDR report up to 50 krad(Si).

### 3.2 Specification Compliance Matrix

**Table 3-1. SN54SC4T08-SEP Electrical Parameters Table**

Parameter	Test Conditions	V <sub>CC</sub>	T <sub>A</sub> = -55°C to +125°C			Unit	Test Name	
			MIN	TYP	MAX			
V <sub>IH</sub>	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 <sub>IL</sub>	Low-Level input voltage	1.2 V to 1.3 V				V	VIL_1P2V, VIL_1P3V	
		1.65 V to 2 V					VIL_1P65V, VIL_2V	
		2.25 V to 2.75 V					VIL_2P25V, VIL_2P75V	
		3 V to 3.6 V					VIL_3V, VIL_3P6V	
		4.5 V to 5.5 V					VIL_4P5V, VIL_5P5V	
V <sub>OH</sub>	I <sub>OH</sub> = -50 μA	1.2 V to 5.5 V	V <sub>CC</sub> -0.2			V	VOH_N50UA_1P65V, VOH_N50UA_2V, VOH_N50UA_2P75V,VOH_N50UA_3P6V, VOH_N50UA_4P5V, VOH_N50UA_5P5V	
	I <sub>OH</sub> = -1 mA	1.2 V	0.8				VOH_N1MA_1P2V	
	I <sub>OH</sub> = -2 mA	1.65 V to 2 V	1.21				VOH_N2MA_1P65V, VOH_N2MA_2V	
	I <sub>OH</sub> = -3 mA	2.25 V to 2.75 V	1.93				VOH_N3MA_2P25V, VOH_N3MA_2P75V	
	I <sub>OH</sub> = -5.5 mA	3 V to 3.6 V	2.49				VOH_N5P5MA_3V, VOH_N5P5MA_3P6V	
	I <sub>OH</sub> = -8 mA	4.5 V to 5.5 V	3.95				VOH_N8MA_4P5V, VOH_N8MA_5P5V	
	I <sub>OH</sub> = -24 mA	4.5 V to 5.5 V	3.15				VOH_N24MA_4P5V, VOH_N24MA_5P5V	
V <sub>OL</sub>	I <sub>OL</sub> = 50 μA	1.2 V to 5.5 V				V	VOL_50UA_1P65V, VOL_50UA_2V, VOL_50UA_2P75V,VOL_50UA_3P6V, VOL_50UA_4P5V, VOL_50UA_5P5V	
	I <sub>OL</sub> = 1 mA	1.2 V					VOL_1MA_1P2V	
	I <sub>OL</sub> = 2 mA	1.65 V to 2 V					VOL_2MA_1P65V, VOL_2MA_2V	
	I <sub>OL</sub> = 3 mA	2.25 V to 2.75 V					VOL_3MA_2P25V, VOL_3MA_2P75V	
	I <sub>OL</sub> = 5.5 mA	3 V to 3.6 V					VOL_5P5MA_3V, VOL_5P5MA_3P6V	
	I <sub>OL</sub> = 8 mA	4.5 V to 5.5 V					VOL_8MA_4P5V, VOL_8MA_5P5V	
	I <sub>OL</sub> = 24 mA	4.5 V to 5.5 V					VOL_24MA_4P5V, VOL_24MA_5P5V	
I <sub>CC</sub>	V <sub>I</sub> = V <sub>CC</sub> or GND, I <sub>O</sub> = 0	1.2 V to 5.5 V	2		93	μA	ICCH_5P5V, ICCL_5P5V	
ΔI <sub>CC</sub>	One input at 0.3 V or 3.4 V, other inputs at V <sub>CC</sub> or GND	5.5 V			1.5	mA	DELTAICC_5P5V	
	One input at 0.3 V or 1.1 V, other inputs at V <sub>CC</sub> or GND	1.8 V			10	μA	DELTAICC_1P8V	
I <sub>I</sub>	V <sub>I</sub> = 0 V to V <sub>CC</sub>	V <sub>I</sub> = 0 V to V <sub>CC</sub>				±1	μA	IIH_5P5V, IIL_5P5V

## 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 SN54SC4T08-SEP TID HDR report. The report shows the variation for each parameter up to 50 krad(Si).

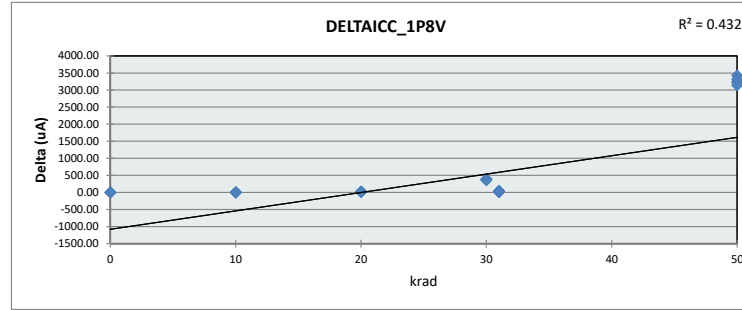


# TID Report

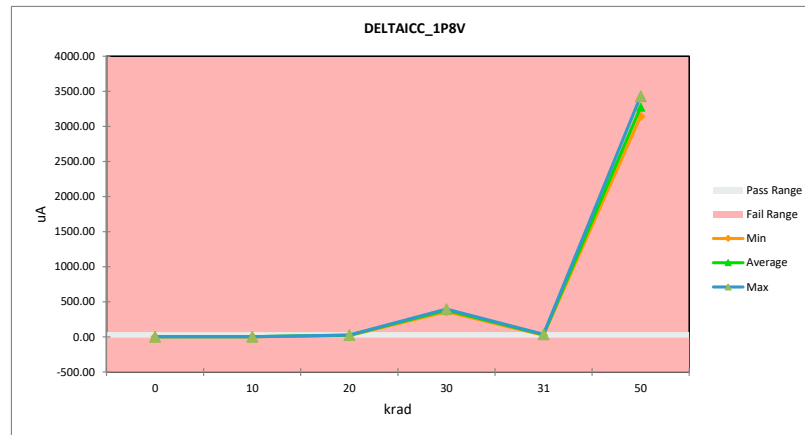
## SN54SC4T08-SEP

DELTAICC_1P8V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	uA	uA
Max Limit	68	68
Min Limit	-10	-10

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.955	2.892	-0.06	-2.13%	0.08%
0	2	2.986	2.830	-0.16	-5.22%	0.20%
0	3	3.080	3.111	0.03	1.01%	0.04%
10	4	2.986	3.018	0.03	1.07%	0.04%
10	5	2.955	2.767	-0.19	-6.36%	0.24%
10	6	2.892	2.736	-0.16	-5.39%	0.20%
10	7	2.924	2.955	0.03	1.06%	0.04%
10	8	3.049	2.924	-0.13	-4.10%	0.16%
20	9	2.798	23.866	21.07	752.97%	27.01%
20	10	3.049	22.301	19.25	631.42%	24.68%
20	11	2.986	23.584	20.60	689.82%	26.41%
20	12	2.924	26.276	23.35	798.63%	29.94%
20	13	2.892	19.702	16.81	581.26%	21.55%
30	14	2.955	379.850	376.90	12754.48%	483.20%
30	15	2.955	389.397	386.44	13077.56%	495.44%
30	16	3.018	397.755	394.74	13079.42%	506.07%
30	17	2.986	383.137	380.15	12731.11%	487.37%
30	18	3.080	359.534	356.45	11573.18%	456.99%
31	19	2.955	31.097	28.14	952.35%	36.08%
31	20	2.955	31.786	28.83	975.67%	36.96%
31	21	3.018	32.725	29.71	984.33%	38.09%
31	22	2.986	33.977	30.99	1037.88%	39.73%
31	23	3.080	30.377	27.30	886.27%	35.00%
31	24	2.955	32.631	29.68	1004.26%	38.05%
31	25	2.861	24.335	21.47	750.58%	27.53%
31	26	3.018	26.088	23.07	764.41%	29.58%
31	27	2.830	33.570	30.74	1086.22%	39.41%
31	28	2.830	32.130	29.30	1035.34%	37.56%
31	29	3.143	33.351	30.21	961.12%	38.73%
31	30	2.830	34.259	31.43	1110.57%	40.29%
31	31	2.892	28.937	26.05	900.59%	33.39%
31	32	2.861	30.533	27.67	967.21%	35.48%
31	33	2.830	24.367	21.54	761.02%	27.61%
31	34	2.986	22.739	19.75	661.52%	25.32%
31	35	2.986	35.198	32.21	1078.77%	41.30%
31	36	3.174	32.850	29.68	934.97%	38.05%
31	37	2.986	36.825	33.84	1133.26%	43.38%
31	38	2.924	32.036	29.11	995.62%	37.32%
31	39	2.861	32.067	29.21	1020.83%	37.44%
31	40	2.861	31.629	28.77	1005.52%	36.88%
31	41	2.861	26.026	23.17	809.68%	29.70%
31	42	3.018	25.431	22.41	742.64%	28.73%
50	43	3.331	3431.630	3428.30	102921.01%	4395.26%
50	44	3.080	3241.492	3238.41	105143.25%	4151.81%
50	45	3.020	3323.510	3320.49	109950.00%	4257.04%
50	46	2.990	3229.190	3226.20	107899.67%	4136.15%
50	47	3.080	3143.420	3140.34	101959.09%	4026.08%
Max		3.331	3431.630	3428.30	109950.00%	4395.26%
Average		2.972	407.507	404.54	13129.43%	518.67%
Min		2.798	2.736	-0.06	-6.36%	0.04%
Std Dev		0.102	1006.379	1006.28	32469.95%	1290.15%



DELTAICC_1P8V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	68	uA				
Min Limit	-10	uA				
krad	0	10	20	30	31	50
LL	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
Min	2.83	2.74	19.70	359.53	22.74	3143.42
Average	2.94	2.88	23.15	381.93	30.62	3273.85
Max	3.11	3.02	26.28	397.76	36.83	3431.63
UL	68.00	68.00	68.00	68.00	68.00	68.00

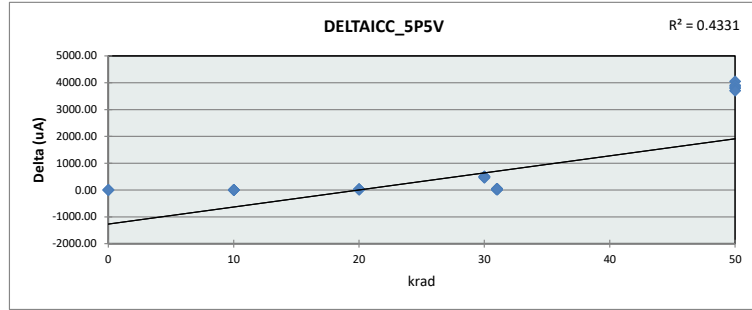


# TID Report

## SN54SC4T08-SEP

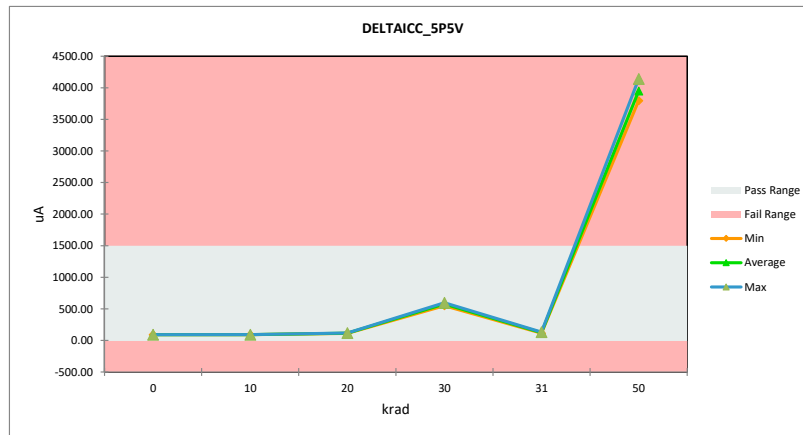
DELTAICC_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	uA	uA
Max Limit	1500	1500
Min Limit	-10	-10

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	91.982	92.076	0.09	0.10%	0.01%
0	2	92.514	92.358	-0.16	-0.17%	0.01%
0	3	92.076	92.264	0.19	0.20%	0.01%
10	4	92.201	91.826	-0.38	-0.41%	0.02%
10	5	92.076	91.200	-0.88	-0.95%	0.06%
10	6	92.076	91.481	-0.59	-0.65%	0.04%
10	7	92.389	91.669	-0.72	-0.78%	0.05%
10	8	91.732	91.012	-0.72	-0.78%	0.05%
20	9	91.669	115.209	23.54	25.68%	1.56%
20	10	92.389	114.051	21.66	23.45%	1.43%
20	11	92.859	115.679	22.82	24.57%	1.51%
20	12	91.763	118.715	26.95	29.37%	1.78%
20	13	92.389	111.265	18.88	20.43%	1.25%
30	14	91.951	572.586	480.64	522.71%	31.83%
30	15	92.201	591.086	498.89	541.08%	33.04%
30	16	92.233	596.470	504.24	546.70%	33.39%
30	17	91.888	574.839	482.95	525.59%	31.98%
30	18	92.045	548.263	456.22	495.65%	30.21%
31	19	91.951	126.416	34.47	37.48%	2.28%
31	20	92.201	126.667	34.47	37.38%	2.28%
31	21	92.233	128.858	36.63	39.71%	2.43%
31	22	91.888	129.828	37.94	41.29%	2.51%
31	23	92.045	124.162	32.12	34.89%	2.13%
31	24	91.701	126.667	34.97	38.13%	2.32%
31	25	91.826	115.773	23.95	26.08%	1.59%
31	26	92.045	118.747	26.70	29.01%	1.77%
31	27	91.419	128.232	36.81	40.27%	2.44%
31	28	92.483	127.074	34.59	37.40%	2.29%
31	29	91.920	127.324	35.40	38.52%	2.34%
31	30	92.201	129.296	37.10	40.23%	2.46%
31	31	92.389	122.128	29.74	32.19%	1.97%
31	32	91.763	124.162	32.40	35.31%	2.15%
31	33	91.325	115.710	24.39	26.70%	1.61%
31	34	91.732	114.270	22.54	24.57%	1.49%
31	35	91.794	130.580	38.79	42.25%	2.57%
31	36	92.264	127.856	35.59	38.58%	2.36%
31	37	91.669	132.802	41.13	44.87%	2.72%
31	38	92.295	127.449	35.15	38.09%	2.33%
31	39	92.327	127.293	34.97	37.87%	2.32%
31	40	91.481	125.602	34.12	37.30%	2.26%
31	41	91.732	118.183	26.45	28.84%	1.75%
31	42	92.327	117.463	25.14	27.22%	1.66%
50	43	91.857	4139.965	4048.11	4406.97%	268.09%
50	44	92.483	3931.484	3839.00	4151.03%	254.24%
50	45	92.080	3996.780	3904.70	4240.55%	258.59%
50	46	92.550	3884.500	3791.95	4097.19%	251.12%
50	47	92.390	3796.880	3704.49	4009.62%	245.33%
Max		92.859	4139.965	4047.11	4406.97%	268.09%
Average		92.060	573.068	481.01	521.52%	31.86%
Min		91.325	91.012	-0.31	-0.95%	0.01%
Std Dev		0.325	1186.994	1186.67	1286.52%	78.60%



DELTAICC_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	1500	uA
Min Limit	-10	uA

krad	0	10	20	30	31	50
LL	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
Min	92.08	91.01	111.27	548.26	114.27	3796.88
Average	92.23	91.44	114.98	576.65	124.69	3949.92
Max	92.36	91.83	118.72	596.47	132.80	4139.97
UL	1500.00	1500.00	1500.00	1500.00	1500.00	1500.00

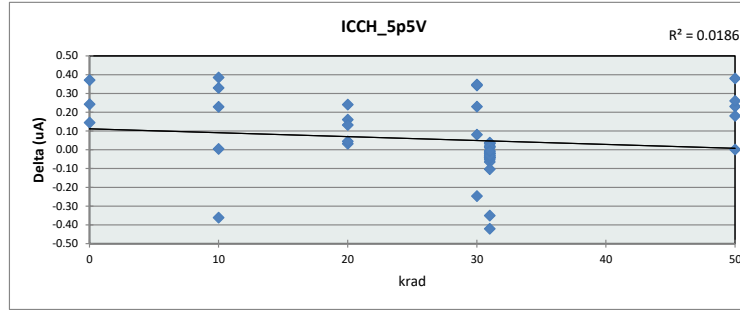


# TID Report

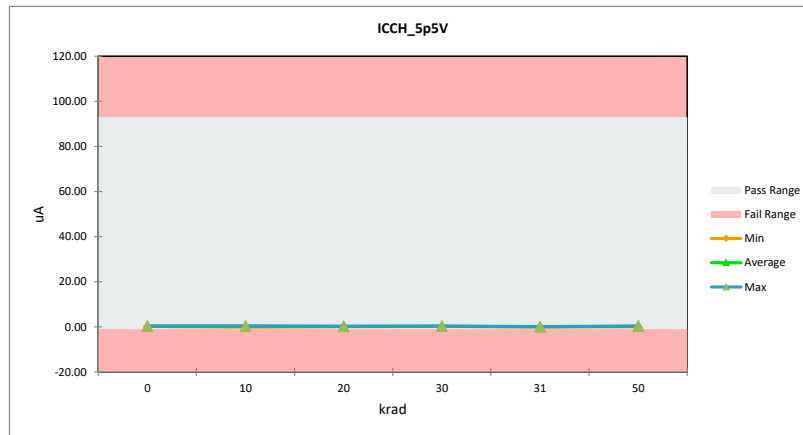
## SN54SC4T08-SEP

ICCH_5p5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	uA	uA
Max Limit	93	
Min Limit	-1	

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.017	0.388	0.37	2182.35%	0.39%
0	2	0.055	0.200	0.15	263.64%	0.15%
0	3	0.051	0.294	0.24	476.47%	0.26%
10	4	0.066	0.451	0.39	583.33%	0.41%
10	5	0.218	-0.144	-0.36	-166.06%	0.39%
10	6	0.034	0.263	0.23	673.53%	0.24%
10	7	0.196	0.200	0.00	2.04%	0.00%
10	8	0.027	0.357	0.33	1222.22%	0.35%
20	9	0.040	0.200	0.16	400.00%	0.17%
20	10	0.037	0.169	0.13	356.76%	0.14%
20	11	0.043	0.075	0.03	74.42%	0.03%
20	12	0.053	0.294	0.24	454.72%	0.26%
20	13	0.030	0.075	0.05	150.00%	0.05%
30	14	0.385	0.138	-0.25	-64.16%	0.26%
30	15	0.046	0.388	0.34	743.48%	0.36%
30	16	0.064	0.294	0.23	359.38%	0.24%
30	17	0.089	0.169	0.08	89.89%	0.09%
30	18	0.041	0.388	0.35	846.34%	0.37%
31	19	0.385	0.034	-0.35	-91.17%	0.37%
31	20	0.046	-0.007	-0.05	-115.22%	0.06%
31	21	0.064	0.097	0.03	51.56%	0.04%
31	22	0.089	0.068	-0.02	-23.60%	0.02%
31	23	0.041	0.012	-0.03	-70.73%	0.03%
31	24	0.043	0.062	0.02	44.19%	0.02%
31	25	0.041	-0.001	-0.04	-102.44%	0.04%
31	26	0.041	0.021	-0.02	-48.78%	0.02%
31	27	0.044	0.024	-0.02	-45.45%	0.02%
31	28	0.058	-0.007	-0.07	-112.07%	0.07%
31	29	0.027	0.065	0.04	140.74%	0.04%
31	30	0.053	0.018	-0.04	-66.04%	0.04%
31	31	0.038	0.072	0.03	89.47%	0.04%
31	32	0.392	-0.029	-0.42	-107.40%	0.45%
31	33	0.038	0.049	0.01	28.95%	0.01%
31	34	0.048	0.034	-0.01	-29.17%	0.01%
31	35	0.114	0.106	-0.01	-7.02%	0.01%
31	36	0.106	0.002	-0.10	-98.11%	0.11%
31	37	0.039	0.056	0.02	43.59%	0.02%
31	38	0.052	0.009	-0.04	-82.69%	0.05%
31	39	0.050	0.009	-0.04	-82.00%	0.04%
31	40	0.044	0.002	-0.04	-95.45%	0.04%
31	41	0.027	-0.004	-0.03	-114.81%	0.03%
31	42	0.072	0.065	-0.01	-9.72%	0.01%
50	43	0.043	0.044	0.00	2.33%	0.00%
50	44	0.126	0.357	0.23	183.33%	0.25%
50	45	0.030	0.290	0.26	866.67%	0.28%
50	46	0.040	0.420	0.38	950.00%	0.40%
50	47	0.050	0.230	0.18	360.00%	0.19%
Max		0.392	0.451	0.06	2182.35%	0.45%
Average		0.079	0.134	0.05	215.05%	0.15%
Min		0.017	-0.144	-0.16	-166.06%	0.00%
Std Dev		0.090	0.147	0.06	444.84%	0.15%



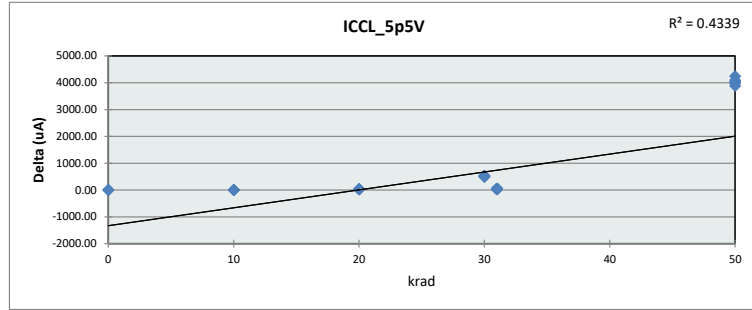
ICCH_5p5V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	93	uA				
Min Limit	-1	uA				
krad	0	10	20	30	31	50
LL	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Min	0.20	-0.14	0.08	0.14	-0.03	0.04
Average	0.29	0.23	0.16	0.28	0.03	0.27
Max	0.39	0.45	0.29	0.39	0.11	0.42
UL	93.00	93.00	93.00	93.00	93.00	93.00



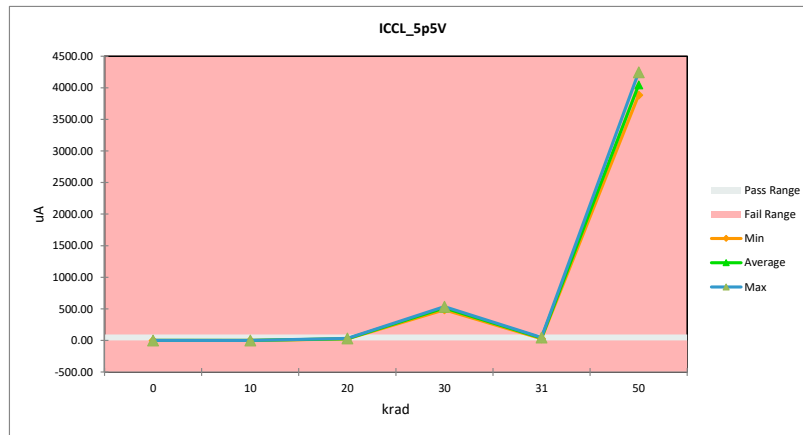
# TID Report SN54SC4T08-SEP

ICCL_5p5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	uA	uA
Max Limit	93	93
Min Limit	-1	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.008	0.200	0.19	2400.00%	0.20%
0	2	0.005	0.232	0.23	4540.00%	0.24%
0	3	0.006	0.075	0.07	1150.00%	0.07%
10	4	0.006	0.106	0.10	1666.67%	0.11%
10	5	0.005	0.263	0.26	5160.00%	0.27%
10	6	0.007	0.138	0.13	1871.43%	0.14%
10	7	0.004	0.451	0.45	11175.00%	0.48%
10	8	0.006	0.263	0.26	4283.33%	0.27%
20	9	0.006	27.935	27.93	465483.33%	29.71%
20	10	0.006	25.556	25.55	425833.33%	27.18%
20	11	0.004	27.215	27.21	680275.00%	28.95%
20	12	0.005	30.909	30.90	618080.00%	32.88%
20	13	0.007	22.175	22.17	316685.71%	23.58%
30	14	0.007	507.944	507.94	7256242.86%	540.36%
30	15	0.008	525.943	525.94	6574187.50%	559.51%
30	16	0.008	535.616	535.61	6695100.00%	569.80%
30	17	0.006	513.234	513.23	8553800.00%	545.99%
30	18	0.007	483.715	483.71	6910114.29%	514.58%
31	19	0.007	39.321	39.31	561628.57%	41.82%
31	20	0.008	40.127	40.12	501487.50%	42.68%
31	21	0.008	41.742	41.73	521675.00%	44.40%
31	22	0.006	43.015	43.01	716816.67%	45.75%
31	23	0.007	37.104	37.10	529957.14%	39.46%
31	24	0.004	39.453	39.45	986225.00%	41.97%
31	25	0.008	28.083	28.08	350937.50%	29.87%
31	26	0.007	30.693	30.69	438371.43%	32.64%
31	27	0.005	41.377	41.37	827440.00%	44.01%
31	28	0.008	40.140	40.13	501650.00%	42.69%
31	29	0.007	40.940	40.93	584757.14%	43.55%
31	30	0.007	42.731	42.72	610342.86%	45.45%
31	31	0.007	35.095	35.09	501257.14%	37.33%
31	32	0.007	37.262	37.26	532214.29%	39.63%
31	33	0.007	28.540	28.53	407614.29%	30.35%
31	34	0.006	26.241	26.24	437250.00%	27.91%
31	35	0.007	44.262	44.26	632214.29%	47.08%
31	36	0.006	41.214	41.21	686800.00%	43.84%
31	37	0.008	46.107	46.10	576237.50%	49.04%
31	38	0.008	40.433	40.43	505312.50%	43.01%
31	39	0.006	40.036	40.03	667166.67%	42.59%
31	40	0.007	39.453	39.45	563514.29%	41.96%
31	41	0.008	31.125	31.12	388962.50%	33.10%
31	42	0.006	29.623	29.62	493616.67%	31.51%
50	43	0.007	4245.865	4245.86	60655114.29%	4516.87%
50	44	0.005	4027.617	4027.61	80552240.00%	4284.69%
50	45	0.010	4093.140	4093.13	40931300.00%	4354.39%
50	46	0.010	3977.440	3977.43	39774300.00%	4231.31%
50	47	0.000	3885.690	3885.69	3885689900.00%	4133.71%
Max		0.010	4245.865	4245.86	3885689900.00%	4516.87%
Average		0.007	507.146	507.14	88503284.08%	539.51%
Min		0.000	0.075	0.07	1150.00%	0.07%
Std Dev		0.002	1244.034	1244.03	566149063.17%	1323.44%



ICCL_5p5V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	93	uA				
Min Limit	-1	uA				
krad	0	10	20	30	31	50
LL	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Min	0.08	0.11	22.18	483.72	26.24	3885.69
Average	0.17	0.24	26.76	513.29	37.67	4045.85
Max	0.23	0.45	30.91	535.62	46.11	4245.87
UL	93.00	93.00	93.00	93.00	93.00	93.00

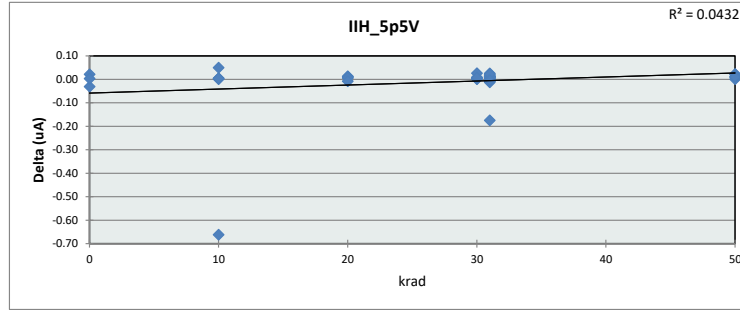


# TID Report

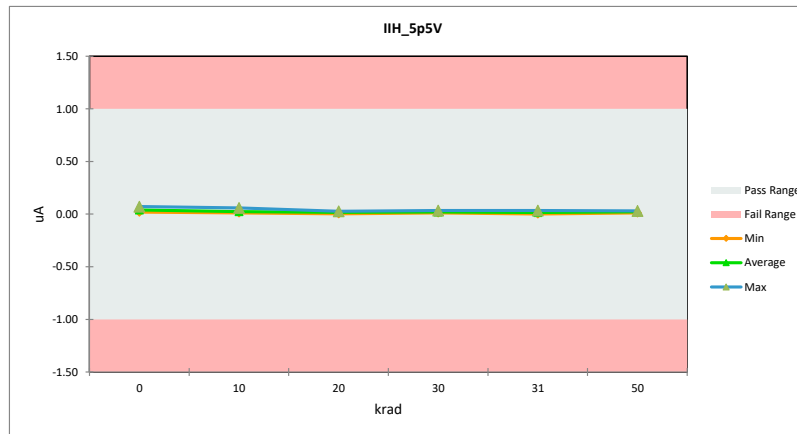
## SN54SC4T08-SEP

IIH_5p5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	uA	uA
Max Limit	1	1
Min Limit	-1	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.006	0.027	0.02	350.00%	1.05%
0	2	0.103	0.072	-0.03	-30.10%	1.55%
0	3	0.016	0.019	0.00	18.75%	0.15%
10	4	0.009	0.059	0.05	555.56%	2.50%
10	5	0.677	0.015	-0.66	-97.78%	33.10%
10	6	0.010	0.015	0.01	50.00%	0.25%
10	7	0.017	0.018	0.00	5.88%	0.05%
10	8	0.008	0.012	0.00	50.00%	0.20%
20	9	0.009	0.022	0.01	144.44%	0.65%
20	10	0.009	0.015	0.01	66.67%	0.30%
20	11	0.015	0.027	0.01	80.00%	0.60%
20	12	0.013	0.019	0.01	46.15%	0.30%
20	13	0.011	0.003	-0.01	-72.73%	0.40%
30	14	0.020	0.021	0.00	5.00%	0.05%
30	15	0.008	0.011	0.00	37.50%	0.15%
30	16	0.009	0.018	0.01	100.00%	0.45%
30	17	0.008	0.034	0.03	325.00%	1.30%
30	18	0.009	0.016	0.01	77.78%	0.35%
31	19	0.020	0.007	-0.01	-65.00%	0.65%
31	20	0.008	0.027	0.02	237.50%	0.95%
31	21	0.009	0.003	-0.01	-66.67%	0.30%
31	22	0.008	0.021	0.01	162.50%	0.65%
31	23	0.009	0.012	0.00	33.33%	0.15%
31	24	0.010	0.005	-0.01	-50.00%	0.25%
31	25	0.009	0.025	0.02	177.78%	0.80%
31	26	0.007	0.015	0.01	114.29%	0.40%
31	27	0.011	0.022	0.01	100.00%	0.55%
31	28	0.009	0.015	0.01	66.67%	0.30%
31	29	0.010	0.003	-0.01	-70.00%	0.35%
31	30	0.009	0.034	0.03	277.78%	1.25%
31	31	0.014	0.012	0.00	-14.29%	0.10%
31	32	0.007	0.001	-0.01	-85.71%	0.30%
31	33	0.007	0.017	0.01	142.86%	0.50%
31	34	0.009	0.003	-0.01	-66.67%	0.30%
31	35	0.191	0.016	-0.18	-91.62%	8.75%
31	36	0.007	0.006	0.00	-14.29%	0.05%
31	37	0.007	0.018	0.01	157.14%	0.55%
31	38	0.009	0.019	0.01	111.11%	0.50%
31	39	0.005	0.016	0.01	220.00%	0.55%
31	40	0.006	0.011	0.01	83.33%	0.25%
31	41	0.006	0.028	0.02	366.67%	1.10%
31	42	0.026	0.023	0.00	-11.54%	0.15%
50	43	0.006	0.029	0.02	383.33%	1.15%
50	44	0.011	0.012	0.00	9.09%	0.05%
50	45	0.010	0.020	0.01	100.00%	0.50%
50	46	0.010	0.030	0.02	200.00%	1.00%
50	47	0.010	0.020	0.01	100.00%	0.50%
	Max	0.677	0.072	-0.61	555.56%	33.10%
	Average	0.030	0.019	-0.01	89.78%	1.41%
	Min	0.005	0.001	0.00	-97.78%	0.05%
	Std Dev	0.101	0.013	-0.09	143.07%	4.89%



IIH_5p5V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	1	uA				
Min Limit	-1	uA				
krad	0	10	20	30	31	50
LL	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Min	0.02	0.01	0.00	0.01	0.00	0.01
Average	0.04	0.02	0.02	0.02	0.01	0.02
Max	0.07	0.06	0.03	0.03	0.03	0.03
UL	1.00	1.00	1.00	1.00	1.00	1.00

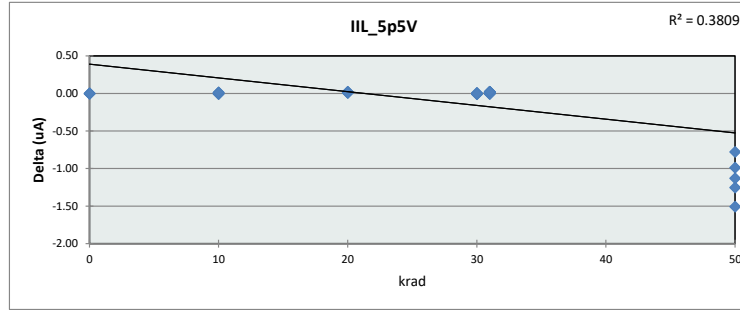


# TID Report

## SN54SC4T08-SEP

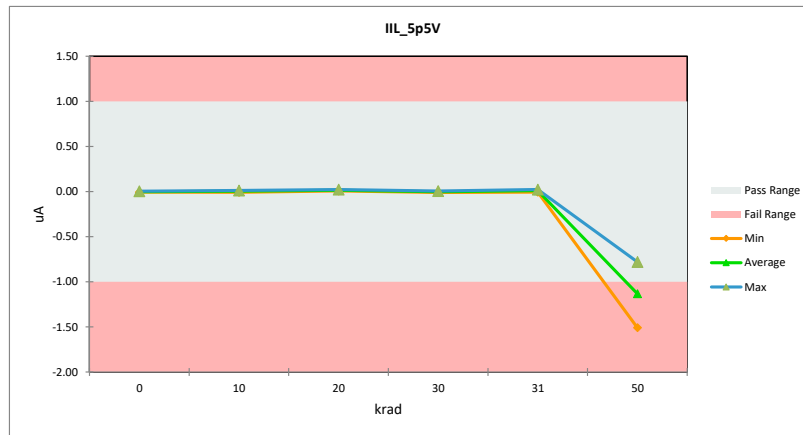
IIL_5p5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	uA	uA
Max Limit	1	1
Min Limit	-1	-1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.000	-0.006	-0.01	-6100.00%	0.31%
0	2	0.000	-0.003	0.00	-3100.00%	0.16%
0	3	0.000	0.003	0.00	2900.00%	0.15%
10	4	0.000	0.013	0.01	12900.00%	0.65%
10	5	0.000	-0.004	0.00	-4100.00%	0.21%
10	6	0.000	-0.008	-0.01	-8100.00%	0.41%
10	7	0.001	0.005	0.00	400.00%	0.20%
10	8	0.000	0.012	0.01	11900.00%	0.60%
20	9	0.000	0.009	0.01	8900.00%	0.45%
20	10	0.000	0.007	0.01	6900.00%	0.35%
20	11	0.000	0.022	0.02	21900.00%	1.10%
20	12	0.000	0.019	0.02	18900.00%	0.95%
20	13	0.000	0.015	0.01	14900.00%	0.75%
30	14	0.000	0.000	0.00	0.00%	0.00%
30	15	0.000	0.006	0.01	5900.00%	0.30%
30	16	0.000	-0.010	-0.01	-10100.00%	0.51%
30	17	0.000	-0.007	-0.01	-7100.00%	0.36%
30	18	0.000	0.000	0.00	0.00%	0.00%
31	19	0.000	0.002	0.00	1900.00%	0.10%
31	20	0.000	0.013	0.01	12900.00%	0.65%
31	21	0.000	0.000	0.00	0.00%	0.00%
31	22	0.000	0.005	0.00	4900.00%	0.25%
31	23	0.000	0.015	0.01	14900.00%	0.75%
31	24	0.000	0.009	0.01	8900.00%	0.45%
31	25	0.000	0.008	0.01	7900.00%	0.40%
31	26	0.001	0.006	0.01	500.00%	0.25%
31	27	0.000	0.010	0.01	9900.00%	0.50%
31	28	0.001	0.008	0.01	700.00%	0.35%
31	29	0.000	0.008	0.01	7900.00%	0.40%
31	30	0.000	0.010	0.01	9900.00%	0.50%
31	31	0.000	0.017	0.02	16900.00%	0.85%
31	32	0.000	0.010	0.01	9900.00%	0.50%
31	33	0.000	0.015	0.01	14900.00%	0.75%
31	34	0.000	0.000	0.00	0.00%	0.00%
31	35	0.001	0.023	0.02	2200.00%	1.10%
31	36	0.000	0.023	0.02	22900.00%	1.15%
31	37	0.000	0.018	0.02	17900.00%	0.90%
31	38	0.000	0.013	0.01	12900.00%	0.65%
31	39	0.001	0.005	0.00	400.00%	0.20%
31	40	0.001	0.018	0.02	1700.00%	0.85%
31	41	0.001	-0.007	-0.01	-800.00%	0.40%
31	42	0.000	0.021	0.02	20900.00%	1.05%
50	43	0.000	-1.509	-1.51	-1509100.00%	75.46%
50	44	0.000	-1.254	-1.25	-1254100.00%	62.71%
50	45	0.000	-0.990	-0.99	-990100.00%	49.51%
50	46	0.000	-1.130	-1.13	-1130100.00%	56.51%
50	47	0.000	-0.780	-0.78	-780100.00%	39.01%
Max		0.001	0.023	0.02	22900.00%	75.46%
Average		0.000	-0.114	-0.11	-114819.15%	6.46%
Min		0.000	-1.509	-1.51	-1509100.00%	0.00%
Std Dev		0.000	0.365	0.36	364190.76%	17.96%



IIL_5p5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	1	uA
Min Limit	-1	uA

	0	10	20	30	31	50
LL	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Min	-0.01	-0.01	0.01	-0.01	-0.01	-1.51
Average	0.00	0.00	0.01	0.00	0.01	-1.13
Max	0.00	0.01	0.02	0.01	0.02	-0.78
UL	1.00	1.00	1.00	1.00	1.00	1.00

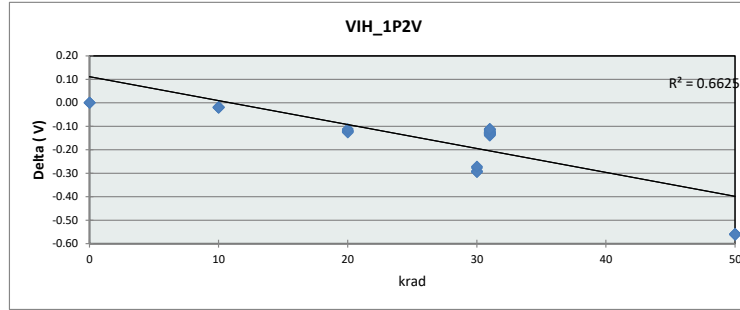


# TID Report

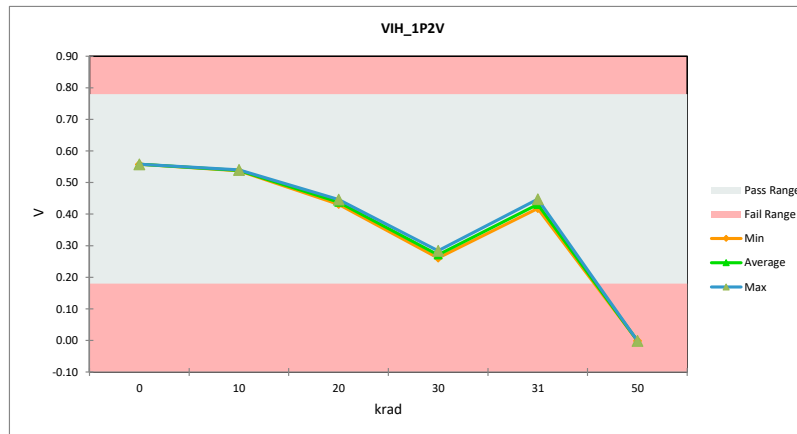
## SN54SC4T08-SEP

VIH_1P2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.78	0.78
Min Limit	0.18	0.18

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.558	0.558	0.00	0.00%	0.00%
0	2	0.558	0.558	0.00	0.00%	0.00%
0	3	0.558	0.558	0.00	0.00%	0.00%
10	4	0.558	0.538	-0.02	-3.58%	3.33%
10	5	0.558	0.539	-0.02	-3.41%	3.17%
10	6	0.557	0.539	-0.02	-3.23%	3.00%
10	7	0.559	0.540	-0.02	-3.40%	3.17%
10	8	0.558	0.537	-0.02	-3.76%	3.50%
20	9	0.558	0.439	-0.12	-21.33%	19.83%
20	10	0.558	0.436	-0.12	-21.86%	20.33%
20	11	0.557	0.437	-0.12	-21.54%	20.00%
20	12	0.557	0.431	-0.13	-22.62%	21.00%
20	13	0.558	0.446	-0.11	-20.07%	18.67%
30	14	0.559	0.282	-0.28	-49.55%	46.17%
30	15	0.556	0.265	-0.29	-52.34%	48.50%
30	16	0.556	0.261	-0.30	-53.06%	49.17%
30	17	0.558	0.264	-0.29	-52.69%	49.00%
30	18	0.556	0.284	-0.27	-48.92%	45.33%
31	19	0.559	0.433	-0.13	-22.54%	21.00%
31	20	0.556	0.425	-0.13	-23.56%	21.83%
31	21	0.556	0.425	-0.13	-23.56%	21.83%
31	22	0.558	0.430	-0.13	-22.94%	21.33%
31	23	0.556	0.431	-0.13	-22.48%	20.83%
31	24	0.555	0.422	-0.13	-23.96%	22.17%
31	25	0.557	0.441	-0.12	-20.83%	19.33%
31	26	0.558	0.439	-0.12	-21.33%	19.83%
31	27	0.558	0.418	-0.14	-25.09%	23.33%
31	28	0.556	0.427	-0.13	-23.20%	21.50%
31	29	0.557	0.421	-0.14	-24.42%	22.67%
31	30	0.558	0.427	-0.13	-23.48%	21.83%
31	31	0.558	0.435	-0.12	-22.04%	20.50%
31	32	0.555	0.431	-0.12	-22.34%	20.67%
31	33	0.556	0.443	-0.11	-20.32%	18.83%
31	34	0.558	0.447	-0.11	-19.89%	18.50%
31	35	0.559	0.426	-0.13	-23.79%	22.17%
31	36	0.558	0.425	-0.13	-23.84%	22.17%
31	37	0.556	0.429	-0.13	-22.84%	21.17%
31	38	0.556	0.429	-0.13	-22.84%	21.17%
31	39	0.557	0.420	-0.14	-24.60%	22.83%
31	40	0.556	0.428	-0.13	-23.02%	21.33%
31	41	0.555	0.440	-0.12	-20.72%	19.17%
31	42	0.556	0.443	-0.11	-20.32%	18.83%
50	43	0.558	-0.001	-0.56	-100.18%	93.17%
50	44	0.558	-0.001	-0.56	-100.18%	93.17%
50	45	0.560	-0.001	-0.56	-100.18%	93.50%
50	46	0.560	-0.001	-0.56	-100.18%	93.50%
50	47	0.560	-0.001	-0.56	-100.18%	93.50%
Max		0.560	0.558	0.00	0.00%	93.50%
Average		0.557	0.388	-0.17	-30.35%	28.21%
Min		0.555	-0.001	-0.56	-100.18%	0.00%
Std Dev		0.001	0.153	0.15	27.52%	25.64%



VIH_1P2V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	0.78	V				
Min Limit	0.18	V				
krad	0	10	20	30	31	50
LL	0.18	0.18	0.18	0.18	0.18	0.18
Min	0.56	0.54	0.43	0.26	0.42	0.00
Average	0.56	0.54	0.44	0.27	0.43	0.00
Max	0.56	0.54	0.45	0.28	0.45	0.00
UL	0.78	0.78	0.78	0.78	0.78	0.78

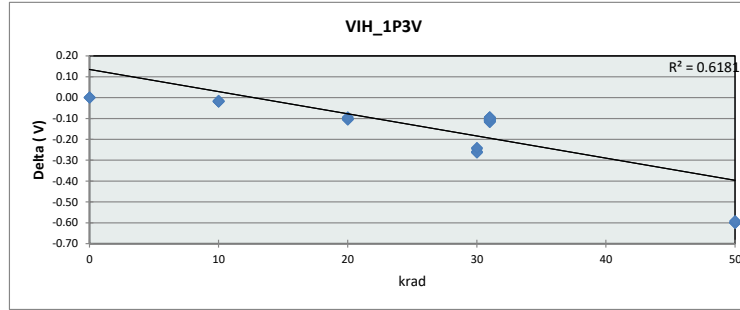


# TID Report

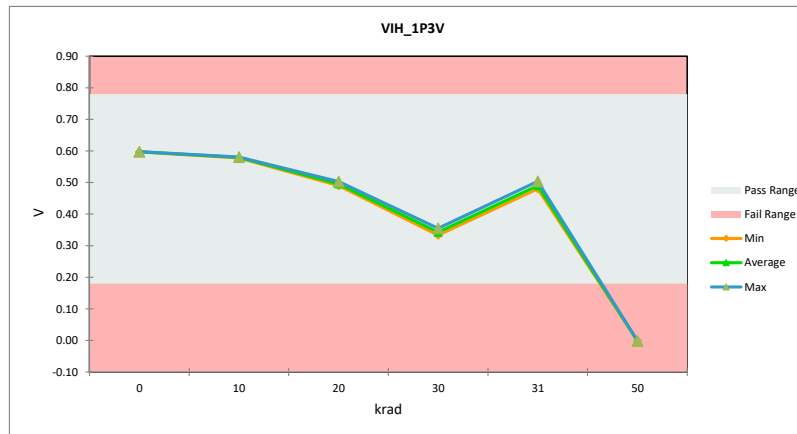
## SN54SC4T08-SEP

VIH_1P3V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.78	0.78
Min Limit	0.18	0.18

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.597	0.598	0.00	0.17%	0.17%
0	2	0.598	0.597	0.00	-0.17%	0.17%
0	3	0.597	0.597	0.00	0.00%	0.00%
10	4	0.597	0.579	-0.02	-3.02%	3.00%
10	5	0.598	0.579	-0.02	-3.18%	3.17%
10	6	0.596	0.581	-0.02	-2.52%	2.50%
10	7	0.598	0.581	-0.02	-2.84%	2.83%
10	8	0.597	0.578	-0.02	-3.18%	3.17%
20	9	0.598	0.497	-0.10	-16.89%	16.83%
20	10	0.596	0.491	-0.11	-17.62%	17.50%
20	11	0.596	0.495	-0.10	-16.95%	16.83%
20	12	0.596	0.490	-0.11	-17.79%	17.67%
20	13	0.597	0.503	-0.09	-15.75%	15.67%
30	14	0.598	0.353	-0.25	-40.97%	40.83%
30	15	0.597	0.338	-0.26	-43.38%	43.17%
30	16	0.596	0.335	-0.26	-43.79%	43.50%
30	17	0.597	0.333	-0.26	-44.22%	44.00%
30	18	0.596	0.355	-0.24	-40.44%	40.17%
31	19	0.598	0.492	-0.11	-17.73%	17.67%
31	20	0.597	0.485	-0.11	-18.76%	18.67%
31	21	0.596	0.486	-0.11	-18.46%	18.33%
31	22	0.597	0.490	-0.11	-17.92%	17.83%
31	23	0.596	0.490	-0.11	-17.79%	17.67%
31	24	0.596	0.483	-0.11	-18.96%	18.83%
31	25	0.596	0.498	-0.10	-16.44%	16.33%
31	26	0.597	0.498	-0.10	-16.58%	16.50%
31	27	0.597	0.480	-0.12	-19.60%	19.50%
31	28	0.595	0.487	-0.11	-18.15%	18.00%
31	29	0.596	0.483	-0.11	-18.96%	18.83%
31	30	0.597	0.488	-0.11	-18.26%	18.17%
31	31	0.597	0.495	-0.10	-17.09%	17.00%
31	32	0.594	0.490	-0.10	-17.51%	17.33%
31	33	0.597	0.500	-0.10	-16.25%	16.17%
31	34	0.598	0.504	-0.09	-15.72%	15.67%
31	35	0.598	0.486	-0.11	-18.73%	18.67%
31	36	0.597	0.485	-0.11	-18.76%	18.67%
31	37	0.597	0.489	-0.11	-18.09%	18.00%
31	38	0.594	0.489	-0.11	-17.68%	17.50%
31	39	0.597	0.480	-0.12	-19.60%	19.50%
31	40	0.595	0.488	-0.11	-17.98%	17.83%
31	41	0.593	0.498	-0.10	-16.02%	15.83%
31	42	0.597	0.501	-0.10	-16.08%	16.00%
50	43	0.597	-0.001	-0.60	-100.17%	99.67%
50	44	0.597	-0.001	-0.60	-100.17%	99.67%
50	45	0.600	-0.001	-0.60	-100.17%	100.17%
50	46	0.600	-0.001	-0.60	-100.17%	100.17%
50	47	0.590	-0.001	-0.59	-100.17%	98.50%
	Max	0.600	0.598	0.00	0.17%	100.17%
	Average	0.597	0.439	-0.16	-26.39%	26.25%
	Min	0.590	-0.001	-0.59	-100.17%	0.00%
	Std Dev	0.002	0.166	0.16	27.83%	27.67%



VIH_1P3V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	0.78	V				
Min Limit	0.18	V				
krad	0	10	20	30	31	50
LL	0.18	0.18	0.18	0.18	0.18	0.18
Min	0.60	0.58	0.49	0.33	0.48	0.00
Average	0.60	0.58	0.50	0.34	0.49	0.00
Max	0.60	0.58	0.50	0.36	0.50	0.00
UL	0.78	0.78	0.78	0.78	0.78	0.78



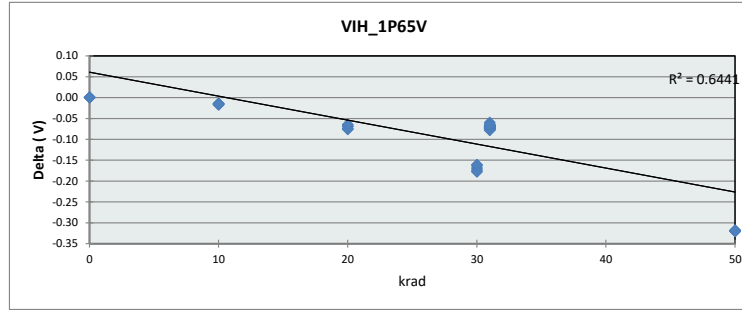


# TID Report

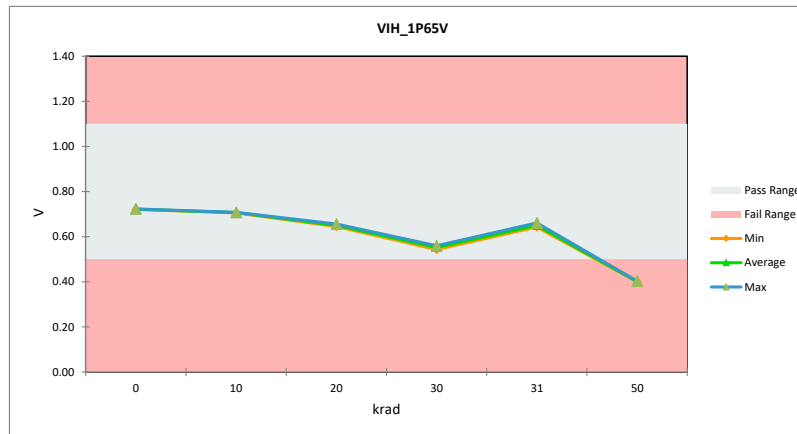
## SN54SC4T08-SEP

VIH_1P65V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.1	1.1
Min Limit	0.5	0.5

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.721	0.721	0.00	0.00%	0.00%
0	2	0.722	0.723	0.00	0.14%	0.17%
0	3	0.721	0.721	0.00	0.00%	0.00%
10	4	0.721	0.705	-0.02	-2.22%	2.67%
10	5	0.722	0.707	-0.02	-2.08%	2.50%
10	6	0.721	0.707	-0.01	-1.94%	2.33%
10	7	0.723	0.708	-0.02	-2.07%	2.50%
10	8	0.723	0.706	-0.02	-2.35%	2.83%
20	9	0.722	0.653	-0.07	-9.56%	11.50%
20	10	0.721	0.645	-0.08	-10.54%	12.67%
20	11	0.721	0.652	-0.07	-9.57%	11.50%
20	12	0.720	0.646	-0.07	-10.28%	12.33%
20	13	0.721	0.656	-0.06	-9.02%	10.83%
30	14	0.722	0.559	-0.16	-22.58%	27.17%
30	15	0.721	0.552	-0.17	-23.44%	28.17%
30	16	0.720	0.546	-0.17	-24.17%	29.00%
30	17	0.721	0.543	-0.18	-24.69%	29.67%
30	18	0.721	0.560	-0.16	-22.33%	26.83%
31	19	0.722	0.651	-0.07	-9.83%	11.83%
31	20	0.721	0.646	-0.08	-10.40%	12.50%
31	21	0.720	0.648	-0.07	-10.00%	12.00%
31	22	0.721	0.650	-0.07	-9.85%	11.83%
31	23	0.721	0.650	-0.07	-9.85%	11.83%
31	24	0.720	0.646	-0.07	-10.28%	12.33%
31	25	0.721	0.654	-0.07	-9.29%	11.17%
31	26	0.721	0.654	-0.07	-9.29%	11.17%
31	27	0.721	0.644	-0.08	-10.68%	12.83%
31	28	0.720	0.648	-0.07	-10.00%	12.00%
31	29	0.721	0.646	-0.08	-10.40%	12.50%
31	30	0.721	0.647	-0.07	-10.26%	12.33%
31	31	0.723	0.654	-0.07	-9.54%	11.50%
31	32	0.720	0.651	-0.07	-9.58%	11.50%
31	33	0.721	0.656	-0.06	-9.02%	10.83%
31	34	0.721	0.661	-0.06	-8.32%	10.00%
31	35	0.721	0.647	-0.07	-10.26%	12.33%
31	36	0.721	0.646	-0.08	-10.40%	12.50%
31	37	0.721	0.650	-0.07	-9.85%	11.83%
31	38	0.718	0.650	-0.07	-9.47%	11.33%
31	39	0.721	0.643	-0.08	-10.82%	13.00%
31	40	0.719	0.649	-0.07	-9.74%	11.67%
31	41	0.719	0.652	-0.07	-9.32%	11.17%
31	42	0.720	0.655	-0.06	-9.03%	10.83%
50	43	0.722	0.403	-0.32	-44.18%	53.17%
50	44	0.721	0.403	-0.32	-44.11%	53.00%
50	45	0.720	0.400	-0.32	-44.44%	53.33%
50	46	0.720	0.400	-0.32	-44.44%	53.33%
50	47	0.720	0.400	-0.32	-44.44%	53.33%
Max		0.723	0.723	0.00	0.14%	53.33%
Average		0.721	0.624	-0.10	-13.49%	16.21%
Min		0.718	0.400	-0.32	-44.44%	0.00%
Std Dev		0.001	0.088	0.09	12.20%	14.65%



VIH_1P65V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	1.1	V				
Min Limit	0.5	V				
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	0.65	0.54	0.64	0.40
Average	0.72	0.71	0.65	0.55	0.65	0.40
Max	0.72	0.71	0.66	0.56	0.66	0.40
UL	1.10	1.10	1.10	1.10	1.10	1.10

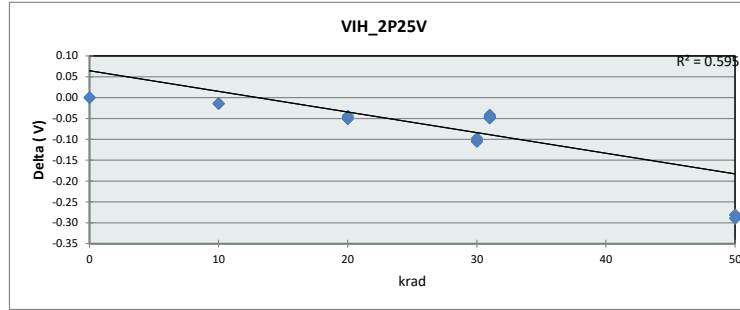


# TID Report

## SN54SC4T08-SEP

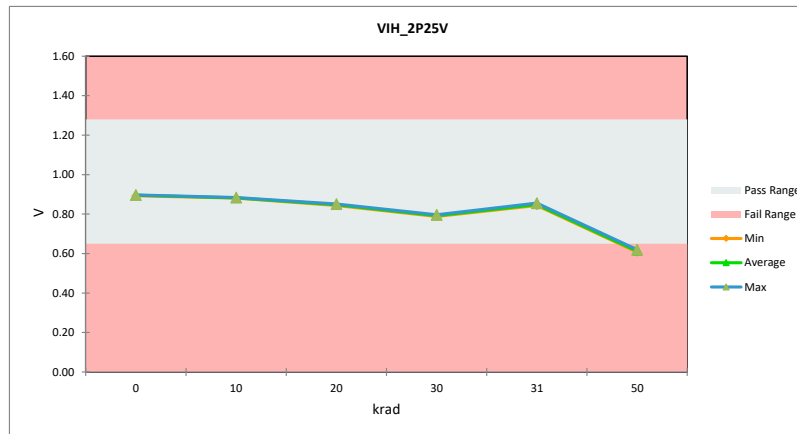
VIH_2P25V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.28	1.28
Min Limit	0.65	0.65

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.896	0.897	0.00	0.11%	0.16%
0	2	0.898	0.897	0.00	-0.11%	0.16%
0	3	0.893	0.893	0.00	0.00%	0.00%
10	4	0.894	0.881	-0.01	-1.45%	2.06%
10	5	0.897	0.882	-0.02	-1.67%	2.38%
10	6	0.897	0.883	-0.01	-1.56%	2.22%
10	7	0.899	0.884	-0.02	-1.67%	2.38%
10	8	0.897	0.883	-0.01	-1.56%	2.22%
20	9	0.896	0.850	-0.05	-5.13%	7.30%
20	10	0.896	0.844	-0.05	-5.80%	8.25%
20	11	0.894	0.850	-0.04	-4.92%	6.98%
20	12	0.891	0.844	-0.05	-5.27%	7.46%
20	13	0.895	0.851	-0.04	-4.92%	6.98%
30	14	0.897	0.795	-0.10	-11.37%	16.19%
30	15	0.894	0.792	-0.10	-11.41%	16.19%
30	16	0.894	0.788	-0.11	-11.86%	16.83%
30	17	0.895	0.790	-0.11	-11.73%	16.67%
30	18	0.894	0.797	-0.10	-10.85%	15.40%
31	19	0.897	0.849	-0.05	-5.35%	7.62%
31	20	0.894	0.847	-0.05	-5.26%	7.46%
31	21	0.894	0.846	-0.05	-5.37%	7.62%
31	22	0.895	0.849	-0.05	-5.14%	7.30%
31	23	0.894	0.849	-0.05	-5.03%	7.14%
31	24	0.894	0.846	-0.05	-5.37%	7.62%
31	25	0.895	0.851	-0.04	-4.92%	6.98%
31	26	0.895	0.850	-0.05	-5.03%	7.14%
31	27	0.894	0.845	-0.05	-5.48%	7.78%
31	28	0.894	0.848	-0.05	-5.15%	7.30%
31	29	0.896	0.847	-0.05	-5.47%	7.78%
31	30	0.895	0.848	-0.05	-5.25%	7.46%
31	31	0.896	0.850	-0.05	-5.13%	7.30%
31	32	0.895	0.848	-0.05	-5.25%	7.46%
31	33	0.895	0.852	-0.04	-4.80%	6.83%
31	34	0.897	0.856	-0.04	-4.57%	6.51%
31	35	0.896	0.847	-0.05	-5.47%	7.78%
31	36	0.895	0.847	-0.05	-5.36%	7.62%
31	37	0.895	0.846	-0.05	-5.47%	7.78%
31	38	0.892	0.845	-0.05	-5.27%	7.46%
31	39	0.894	0.844	-0.05	-5.59%	7.94%
31	40	0.893	0.847	-0.05	-5.15%	7.30%
31	41	0.894	0.846	-0.05	-5.37%	7.62%
31	42	0.896	0.850	-0.05	-5.13%	7.30%
50	43	0.897	0.608	-0.29	-32.22%	45.87%
50	44	0.897	0.615	-0.28	-31.44%	44.76%
50	45	0.900	0.610	-0.29	-32.22%	46.03%
50	46	0.900	0.620	-0.28	-31.11%	44.44%
50	47	0.900	0.610	-0.29	-32.22%	46.03%
Max		0.900	0.897	0.00	0.11%	46.03%
Average		0.895	0.824	-0.07	-8.00%	11.38%
Min		0.891	0.608	-0.28	-32.22%	0.00%
Std Dev		0.002	0.078	0.08	8.76%	12.49%



VIH_2P25V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	1.28	V
Min Limit	0.65	V

	0	10	20	30	31	50
LL	0.65	0.65	0.65	0.65	0.65	0.65
Min	0.89	0.88	0.84	0.79	0.84	0.61
Average	0.90	0.88	0.85	0.79	0.85	0.61
Max	0.90	0.88	0.85	0.80	0.86	0.62
UL	1.28	1.28	1.28	1.28	1.28	1.28

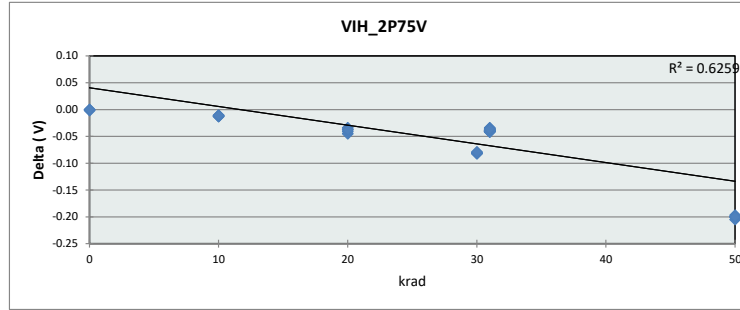


# TID Report

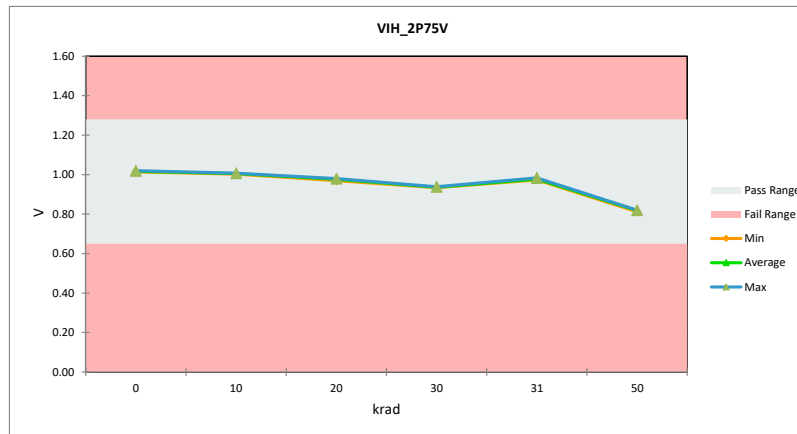
## SN54SC4T08-SEP

VIH_2P75V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.28	1.28
Min Limit	0.65	0.65

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.018	1.016	0.00	-0.20%	0.32%
0	2	1.020	1.020	0.00	0.00%	0.00%
0	3	1.014	1.014	0.00	0.00%	0.00%
10	4	1.014	1.003	-0.01	-1.08%	1.75%
10	5	1.019	1.006	-0.01	-1.28%	2.06%
10	6	1.017	1.005	-0.01	-1.18%	1.90%
10	7	1.020	1.007	-0.01	-1.27%	2.06%
10	8	1.018	1.007	-0.01	-1.08%	1.75%
20	9	1.016	0.979	-0.04	-3.64%	5.87%
20	10	1.018	0.973	-0.05	-4.42%	7.14%
20	11	1.014	0.980	-0.03	-3.35%	5.40%
20	12	1.011	0.970	-0.04	-4.06%	6.51%
20	13	1.016	0.978	-0.04	-3.74%	6.03%
30	14	1.019	0.938	-0.08	-7.95%	12.86%
30	15	1.016	0.934	-0.08	-8.07%	13.02%
30	16	1.015	0.934	-0.08	-7.98%	12.86%
30	17	1.018	0.936	-0.08	-8.06%	13.02%
30	18	1.018	0.939	-0.08	-7.76%	12.54%
31	19	1.019	0.980	-0.04	-3.83%	6.19%
31	20	1.016	0.976	-0.04	-3.94%	6.35%
31	21	1.015	0.975	-0.04	-3.94%	6.35%
31	22	1.018	0.977	-0.04	-4.03%	6.51%
31	23	1.018	0.979	-0.04	-3.83%	6.19%
31	24	1.015	0.975	-0.04	-3.94%	6.35%
31	25	1.016	0.980	-0.04	-3.54%	5.71%
31	26	1.017	0.980	-0.04	-3.64%	5.87%
31	27	1.016	0.976	-0.04	-3.94%	6.35%
31	28	1.015	0.976	-0.04	-3.84%	6.19%
31	29	1.017	0.977	-0.04	-3.93%	6.35%
31	30	1.017	0.977	-0.04	-3.93%	6.35%
31	31	1.017	0.977	-0.04	-3.93%	6.35%
31	32	1.017	0.979	-0.04	-3.74%	6.03%
31	33	1.016	0.981	-0.04	-3.44%	5.56%
31	34	1.018	0.984	-0.03	-3.34%	5.40%
31	35	1.018	0.977	-0.04	-4.03%	6.51%
31	36	1.017	0.976	-0.04	-4.03%	6.51%
31	37	1.016	0.976	-0.04	-3.94%	6.35%
31	38	1.013	0.973	-0.04	-3.95%	6.35%
31	39	1.015	0.973	-0.04	-4.14%	6.67%
31	40	1.016	0.976	-0.04	-3.94%	6.35%
31	41	1.014	0.975	-0.04	-3.85%	6.19%
31	42	1.017	0.980	-0.04	-3.64%	5.87%
50	43	1.017	0.812	-0.21	-20.16%	32.54%
50	44	1.016	0.819	-0.20	-19.39%	31.27%
50	45	1.020	0.820	-0.20	-19.61%	31.75%
50	46	1.020	0.820	-0.20	-19.61%	31.75%
50	47	1.020	0.820	-0.20	-19.61%	31.75%
Max		1.020	1.020	0.00	0.00%	32.54%
Average		1.017	0.961	-0.06	-5.44%	8.79%
Min		1.011	0.812	-0.20	-20.16%	0.00%
Std Dev		0.002	0.054	0.05	5.31%	8.59%



VIH_2P75V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	1.28	V				
Min Limit	0.65	V				
krad	0	10	20	30	31	50
LL	0.65	0.65	0.65	0.65	0.65	0.65
Min	1.01	1.00	0.97	0.93	0.97	0.81
Average	1.02	1.01	0.98	0.94	0.98	0.82
Max	1.02	1.01	0.98	0.94	0.98	0.82
UL	1.28	1.28	1.28	1.28	1.28	1.28

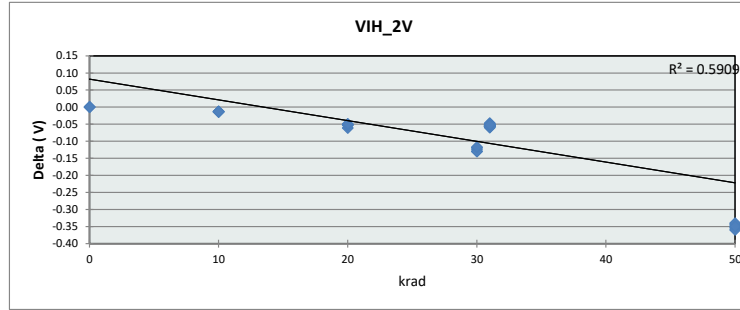


# TID Report

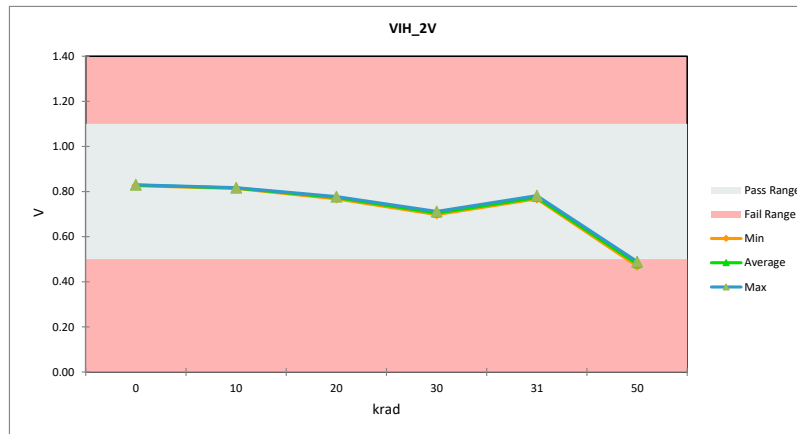
## SN54SC4T08-SEP

VIH_2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.1	1.1
Min Limit	0.5	0.5

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.829	0.829	0.00	0.00%	0.00%
0	2	0.830	0.830	0.00	0.00%	0.00%
0	3	0.826	0.826	0.00	0.00%	0.00%
10	4	0.827	0.814	-0.01	-1.57%	2.17%
10	5	0.829	0.815	-0.01	-1.69%	2.33%
10	6	0.828	0.815	-0.01	-1.57%	2.17%
10	7	0.831	0.817	-0.01	-1.68%	2.33%
10	8	0.829	0.815	-0.01	-1.69%	2.33%
20	9	0.828	0.775	-0.05	-6.40%	8.83%
20	10	0.829	0.768	-0.06	-7.36%	10.17%
20	11	0.827	0.775	-0.05	-6.29%	8.67%
20	12	0.824	0.772	-0.05	-6.31%	8.67%
20	13	0.827	0.778	-0.05	-5.93%	8.17%
30	14	0.829	0.710	-0.12	-14.35%	19.83%
30	15	0.827	0.704	-0.12	-14.87%	20.50%
30	16	0.827	0.698	-0.13	-15.60%	21.50%
30	17	0.828	0.698	-0.13	-15.70%	21.67%
30	18	0.829	0.712	-0.12	-14.11%	19.50%
31	19	0.829	0.776	-0.05	-6.39%	8.83%
31	20	0.827	0.771	-0.06	-6.77%	9.33%
31	21	0.827	0.770	-0.06	-6.89%	9.50%
31	22	0.828	0.775	-0.05	-6.40%	8.83%
31	23	0.829	0.773	-0.06	-6.76%	9.33%
31	24	0.827	0.771	-0.06	-6.77%	9.33%
31	25	0.828	0.775	-0.05	-6.40%	8.83%
31	26	0.827	0.777	-0.05	-6.05%	8.33%
31	27	0.827	0.769	-0.06	-7.01%	9.67%
31	28	0.827	0.771	-0.06	-6.77%	9.33%
31	29	0.829	0.773	-0.06	-6.76%	9.33%
31	30	0.828	0.772	-0.06	-6.76%	9.33%
31	31	0.831	0.776	-0.05	-6.62%	9.17%
31	32	0.826	0.774	-0.05	-6.30%	8.67%
31	33	0.829	0.778	-0.05	-6.15%	8.50%
31	34	0.829	0.782	-0.05	-5.67%	7.83%
31	35	0.829	0.773	-0.06	-6.76%	9.33%
31	36	0.828	0.771	-0.06	-6.88%	9.50%
31	37	0.828	0.771	-0.06	-6.88%	9.50%
31	38	0.824	0.773	-0.05	-6.19%	8.50%
31	39	0.828	0.768	-0.06	-7.25%	10.00%
31	40	0.826	0.772	-0.05	-6.54%	9.00%
31	41	0.827	0.773	-0.05	-6.53%	9.00%
31	42	0.829	0.777	-0.05	-6.27%	8.67%
50	43	0.829	0.475	-0.35	-42.70%	59.00%
50	44	0.830	0.485	-0.35	-41.57%	57.50%
50	45	0.830	0.470	-0.36	-43.37%	60.00%
50	46	0.830	0.490	-0.34	-40.96%	56.67%
50	47	0.830	0.480	-0.35	-42.17%	58.33%
Max		0.831	0.830	0.00	0.00%	60.00%
Average		0.828	0.743	-0.09	-10.29%	14.21%
Min		0.824	0.470	-0.35	-43.37%	0.00%
Std Dev		0.002	0.097	0.10	11.69%	16.18%



VIH_2V							
Test Site	SLAB	SLAB					
Tester	ETS88B	ETS88B					
Test Number	EQ773904	EQ773904					
Max Limit	1.1	V					
Min Limit	0.5	V					
	krad	0	10	20	30	31	50
LL		0.50	0.50	0.50	0.50	0.50	0.50
Min		0.83	0.81	0.77	0.70	0.77	0.47
Average		0.83	0.82	0.77	0.70	0.77	0.48
Max		0.83	0.82	0.78	0.71	0.78	0.49
UL		1.10	1.10	1.10	1.10	1.10	1.10

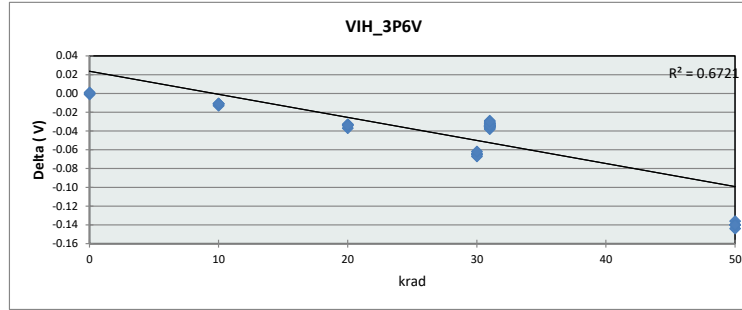


# TID Report

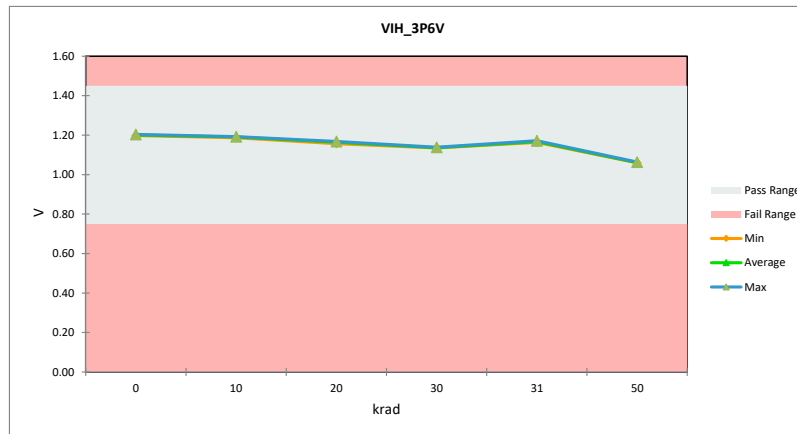
## SN54SC4T08-SEP

VIH_3P6V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.45	1.45
Min Limit	0.75	0.75

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.202	1.201	0.00	-0.08%	0.14%
0	2	1.204	1.204	0.00	0.00%	0.00%
0	3	1.197	1.198	0.00	0.08%	0.14%
10	4	1.200	1.187	-0.01	-1.08%	1.86%
10	5	1.204	1.192	-0.01	-1.00%	1.71%
10	6	1.201	1.190	-0.01	-0.92%	1.57%
10	7	1.204	1.193	-0.01	-0.91%	1.57%
10	8	1.202	1.191	-0.01	-0.92%	1.57%
20	9	1.201	1.168	-0.03	-2.75%	4.71%
20	10	1.202	1.165	-0.04	-3.08%	5.29%
20	11	1.198	1.165	-0.03	-2.75%	4.71%
20	12	1.191	1.157	-0.03	-2.85%	4.86%
20	13	1.201	1.167	-0.03	-2.83%	4.86%
30	14	1.202	1.137	-0.06	-5.41%	9.29%
30	15	1.199	1.135	-0.06	-5.34%	9.14%
30	16	1.200	1.135	-0.06	-5.42%	9.29%
30	17	1.202	1.135	-0.07	-5.57%	9.57%
30	18	1.201	1.139	-0.06	-5.16%	8.86%
31	19	1.202	1.167	-0.03	-2.91%	5.00%
31	20	1.199	1.164	-0.04	-2.92%	5.00%
31	21	1.200	1.166	-0.03	-2.83%	4.86%
31	22	1.202	1.168	-0.03	-2.83%	4.86%
31	23	1.201	1.168	-0.03	-2.75%	4.71%
31	24	1.200	1.164	-0.04	-3.00%	5.14%
31	25	1.203	1.168	-0.04	-2.91%	5.00%
31	26	1.203	1.169	-0.03	-2.83%	4.86%
31	27	1.202	1.165	-0.04	-3.08%	5.14%
31	28	1.201	1.165	-0.04	-3.00%	5.14%
31	29	1.203	1.169	-0.03	-2.83%	4.86%
31	30	1.201	1.166	-0.04	-2.91%	5.00%
31	31	1.200	1.168	-0.03	-2.67%	4.57%
31	32	1.204	1.169	-0.03	-2.91%	5.00%
31	33	1.201	1.172	-0.03	-2.41%	4.14%
31	34	1.202	1.171	-0.03	-2.58%	4.43%
31	35	1.200	1.168	-0.03	-2.67%	4.57%
31	36	1.203	1.165	-0.04	-3.16%	5.43%
31	37	1.202	1.168	-0.03	-2.83%	4.86%
31	38	1.195	1.163	-0.03	-2.68%	4.57%
31	39	1.200	1.165	-0.03	-2.92%	5.00%
31	40	1.203	1.168	-0.04	-2.91%	5.00%
31	41	1.199	1.165	-0.03	-2.84%	4.86%
31	42	1.201	1.171	-0.03	-2.50%	4.29%
50	43	1.204	1.060	-0.14	-11.96%	20.57%
50	44	1.200	1.064	-0.14	-11.33%	19.43%
50	45	1.200	1.060	-0.14	-11.67%	20.00%
50	46	1.200	1.060	-0.14	-11.67%	20.00%
50	47	1.200	1.060	-0.14	-11.67%	20.00%
Max		1.204	1.204	0.00	0.08%	20.57%
Average		1.201	1.157	-0.04	-3.66%	6.29%
Min		1.191	1.060	-0.13	-11.96%	0.00%
Std Dev		0.002	0.037	0.03	3.07%	5.25%



VIH_3P6V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	1.45	V				
Min Limit	0.75	V				
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	1.16	1.14	1.16	1.06
Average	1.20	1.19	1.16	1.14	1.17	1.06
Max	1.20	1.19	1.17	1.14	1.17	1.06
UL	1.45	1.45	1.45	1.45	1.45	1.45

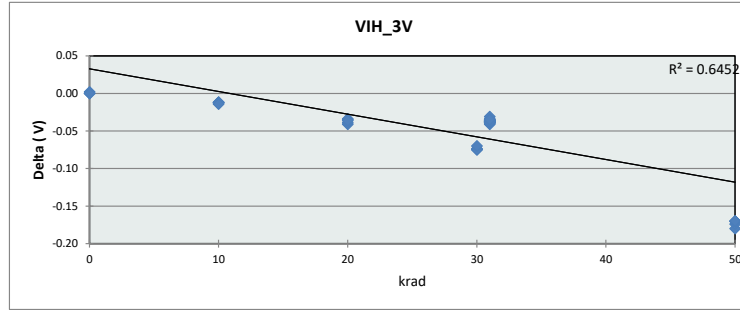


# TID Report

## SN54SC4T08-SEP

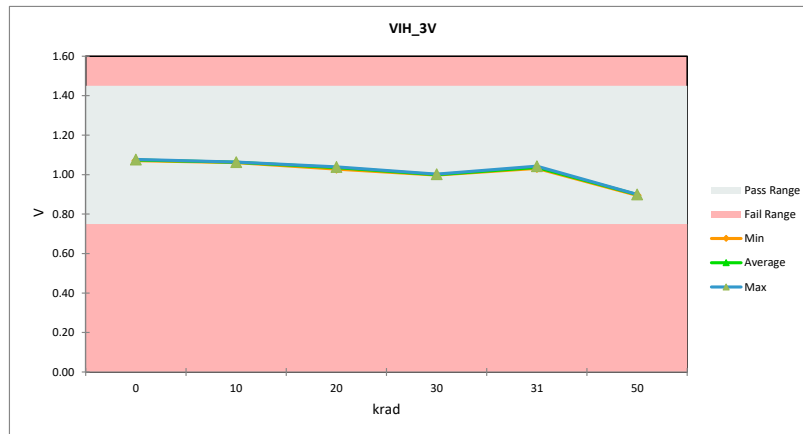
VIH_3V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.45	1.45
Min Limit	0.75	0.75

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.073	1.075	0.00	0.19%	0.29%
0	2	1.077	1.077	0.00	0.00%	0.00%
0	3	1.071	1.071	0.00	0.00%	0.00%
10	4	1.073	1.061	-0.01	-1.12%	1.71%
10	5	1.076	1.064	-0.01	-1.12%	1.71%
10	6	1.075	1.063	-0.01	-1.12%	1.71%
10	7	1.077	1.064	-0.01	-1.21%	1.86%
10	8	1.077	1.063	-0.01	-1.30%	2.00%
20	9	1.074	1.039	-0.04	-3.26%	5.00%
20	10	1.075	1.034	-0.04	-3.81%	5.86%
20	11	1.072	1.038	-0.03	-3.17%	4.86%
20	12	1.067	1.028	-0.04	-3.66%	5.57%
20	13	1.073	1.037	-0.04	-3.36%	5.14%
30	14	1.075	1.001	-0.07	-6.88%	10.57%
30	15	1.073	0.998	-0.08	-6.99%	10.71%
30	16	1.073	0.999	-0.07	-6.90%	10.57%
30	17	1.075	1.000	-0.08	-6.98%	10.71%
30	18	1.073	1.003	-0.07	-6.52%	10.00%
31	19	1.075	1.039	-0.04	-3.35%	5.14%
31	20	1.073	1.035	-0.04	-3.54%	5.43%
31	21	1.073	1.036	-0.04	-3.45%	5.29%
31	22	1.075	1.036	-0.04	-3.63%	5.57%
31	23	1.073	1.038	-0.03	-3.26%	5.00%
31	24	1.072	1.032	-0.04	-3.73%	5.71%
31	25	1.075	1.037	-0.04	-3.53%	5.43%
31	26	1.074	1.038	-0.04	-3.35%	5.14%
31	27	1.074	1.035	-0.04	-3.63%	5.57%
31	28	1.074	1.036	-0.04	-3.54%	5.43%
31	29	1.074	1.038	-0.04	-3.35%	5.14%
31	30	1.073	1.037	-0.04	-3.36%	5.14%
31	31	1.076	1.039	-0.04	-3.44%	5.29%
31	32	1.076	1.039	-0.04	-3.44%	5.29%
31	33	1.074	1.040	-0.03	-3.17%	4.86%
31	34	1.074	1.043	-0.03	-2.89%	4.43%
31	35	1.075	1.038	-0.04	-3.44%	5.29%
31	36	1.075	1.034	-0.04	-3.81%	5.86%
31	37	1.073	1.036	-0.04	-3.45%	5.29%
31	38	1.071	1.033	-0.04	-3.55%	5.43%
31	39	1.071	1.035	-0.04	-3.36%	5.14%
31	40	1.074	1.037	-0.04	-3.45%	5.29%
31	41	1.072	1.034	-0.04	-3.54%	5.43%
31	42	1.073	1.038	-0.03	-3.26%	5.00%
50	43	1.075	0.895	-0.18	-16.74%	25.71%
50	44	1.074	0.900	-0.17	-16.20%	24.86%
50	45	1.070	0.900	-0.17	-15.89%	24.29%
50	46	1.070	0.900	-0.17	-15.89%	24.29%
50	47	1.070	0.900	-0.17	-15.89%	24.29%
Max		1.077	1.077	0.00	0.19%	25.71%
Average		1.074	1.023	-0.05	-4.69%	7.20%
Min		1.067	0.895	-0.17	-16.74%	0.00%
Std Dev		0.002	0.047	0.04	4.31%	6.58%



VIH_3V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	1.45	V
Min Limit	0.75	V

	0	10	20	30	31	50
LL	0.75	0.75	0.75	0.75	0.75	0.75
Min	1.07	1.06	1.03	1.00	1.03	0.90
Average	1.07	1.06	1.04	1.00	1.04	0.90
Max	1.08	1.06	1.04	1.00	1.04	0.90
UL	1.45	1.45	1.45	1.45	1.45	1.45

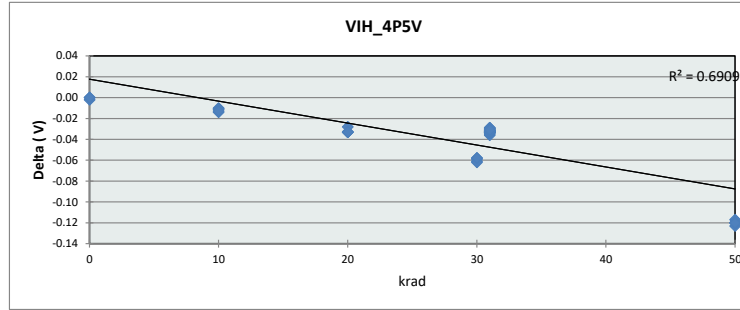


# TID Report

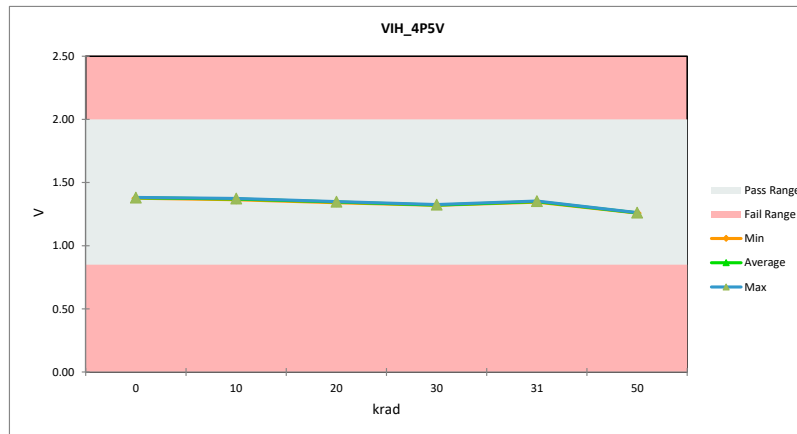
## SN54SC4T08-SEP

VIH_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	2	2
Min Limit	0.85	0.85

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.382	1.382	0.00	0.00%	0.00%
0	2	1.383	1.381	0.00	-0.14%	0.17%
0	3	1.376	1.376	0.00	0.00%	0.00%
10	4	1.378	1.364	-0.01	-1.02%	1.22%
10	5	1.383	1.373	-0.01	-0.72%	0.87%
10	6	1.380	1.369	-0.01	-0.80%	0.96%
10	7	1.385	1.374	-0.01	-0.79%	0.96%
10	8	1.382	1.369	-0.01	-0.94%	1.13%
20	9	1.382	1.349	-0.03	-2.39%	2.87%
20	10	1.382	1.349	-0.03	-2.39%	2.87%
20	11	1.375	1.347	-0.03	-2.04%	2.43%
20	12	1.374	1.341	-0.03	-2.40%	2.87%
20	13	1.379	1.346	-0.03	-2.39%	2.87%
30	14	1.382	1.324	-0.06	-4.20%	5.04%
30	15	1.378	1.319	-0.06	-4.28%	5.13%
30	16	1.381	1.320	-0.06	-4.42%	5.30%
30	17	1.383	1.321	-0.06	-4.48%	5.39%
30	18	1.383	1.325	-0.06	-4.19%	5.04%
31	19	1.382	1.349	-0.03	-2.39%	2.87%
31	20	1.378	1.346	-0.03	-2.32%	2.78%
31	21	1.381	1.345	-0.04	-2.61%	3.13%
31	22	1.383	1.350	-0.03	-2.39%	2.87%
31	23	1.383	1.353	-0.03	-2.17%	2.61%
31	24	1.381	1.346	-0.03	-2.53%	3.04%
31	25	1.382	1.350	-0.03	-2.32%	2.78%
31	26	1.382	1.352	-0.03	-2.17%	2.61%
31	27	1.381	1.348	-0.03	-2.39%	2.87%
31	28	1.381	1.348	-0.03	-2.39%	2.87%
31	29	1.383	1.350	-0.03	-2.39%	2.87%
31	30	1.381	1.351	-0.03	-2.17%	2.61%
31	31	1.381	1.349	-0.03	-2.32%	2.78%
31	32	1.384	1.352	-0.03	-2.31%	2.78%
31	33	1.381	1.352	-0.03	-2.10%	2.52%
31	34	1.381	1.352	-0.03	-2.10%	2.52%
31	35	1.381	1.349	-0.03	-2.32%	2.78%
31	36	1.382	1.349	-0.03	-2.39%	2.87%
31	37	1.383	1.351	-0.03	-2.31%	2.78%
31	38	1.379	1.345	-0.03	-2.47%	2.96%
31	39	1.380	1.346	-0.03	-2.46%	2.96%
31	40	1.381	1.350	-0.03	-2.24%	2.70%
31	41	1.377	1.344	-0.03	-2.40%	2.87%
31	42	1.383	1.352	-0.03	-2.24%	2.70%
50	43	1.381	1.258	-0.12	-8.91%	10.70%
50	44	1.379	1.262	-0.12	-8.48%	10.17%
50	45	1.380	1.260	-0.12	-8.70%	10.43%
50	46	1.380	1.260	-0.12	-8.70%	10.43%
50	47	1.380	1.260	-0.12	-8.70%	10.43%
	Max	1.385	1.382	0.00	0.00%	10.70%
	Average	1.381	1.341	-0.04	-2.91%	3.50%
	Min	1.374	1.258	-0.12	-8.91%	0.00%
	Std Dev	0.002	0.031	0.03	2.25%	2.70%



VIH_4P5V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	2	V				
Min Limit	0.85	V				
krad	0	10	20	30	31	50
LL	0.85	0.85	0.85	0.85	0.85	0.85
Min	1.38	1.36	1.34	1.32	1.34	1.26
Average	1.38	1.37	1.35	1.32	1.35	1.26
Max	1.38	1.37	1.35	1.33	1.35	1.26
UL	2.00	2.00	2.00	2.00	2.00	2.00

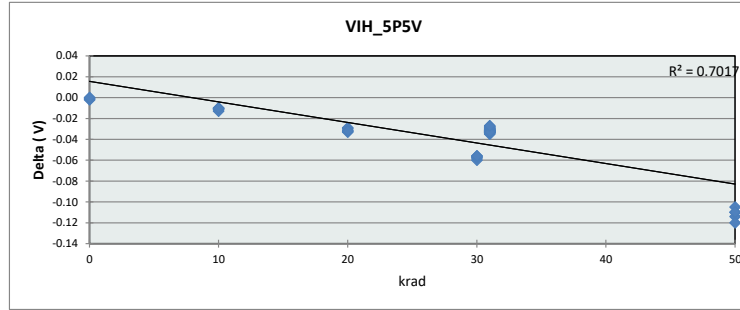


# TID Report

## SN54SC4T08-SEP

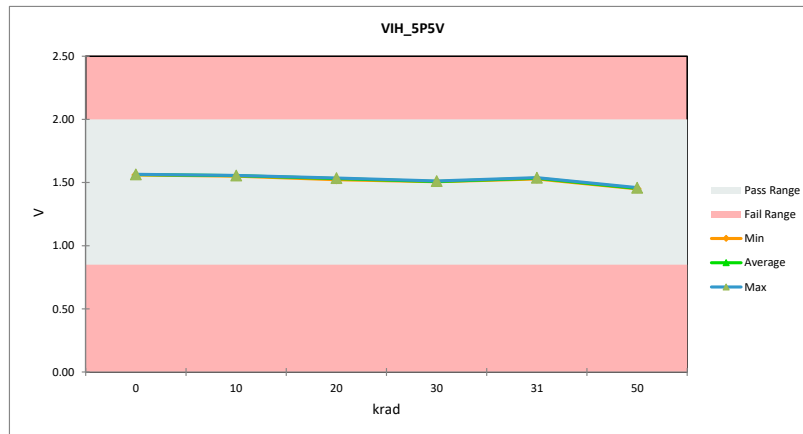
VIH_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	2	2
Min Limit	0.85	0.85

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.566	1.565	0.00	-0.06%	0.09%
0	2	1.567	1.565	0.00	-0.13%	0.17%
0	3	1.560	1.560	0.00	0.00%	0.00%
10	4	1.561	1.551	-0.01	-0.64%	0.87%
10	5	1.567	1.556	-0.01	-0.70%	0.96%
10	6	1.565	1.554	-0.01	-0.70%	0.96%
10	7	1.570	1.557	-0.01	-0.83%	1.13%
10	8	1.564	1.554	-0.01	-0.64%	0.87%
20	9	1.565	1.535	-0.03	-1.92%	2.61%
20	10	1.567	1.534	-0.03	-2.11%	2.87%
20	11	1.560	1.531	-0.03	-1.86%	2.52%
20	12	1.555	1.523	-0.03	-2.06%	2.78%
20	13	1.565	1.533	-0.03	-2.04%	2.78%
30	14	1.566	1.508	-0.06	-3.70%	5.04%
30	15	1.562	1.506	-0.06	-3.59%	4.87%
30	16	1.566	1.506	-0.06	-3.83%	5.22%
30	17	1.565	1.508	-0.06	-3.64%	4.96%
30	18	1.568	1.512	-0.06	-3.57%	4.87%
31	19	1.566	1.535	-0.03	-1.98%	2.70%
31	20	1.562	1.530	-0.03	-2.05%	2.78%
31	21	1.566	1.534	-0.03	-2.04%	2.78%
31	22	1.565	1.535	-0.03	-1.92%	2.61%
31	23	1.568	1.534	-0.03	-2.17%	2.96%
31	24	1.564	1.529	-0.04	-2.24%	3.04%
31	25	1.569	1.536	-0.03	-2.10%	2.87%
31	26	1.564	1.535	-0.03	-1.85%	2.52%
31	27	1.567	1.533	-0.03	-2.17%	2.96%
31	28	1.565	1.532	-0.03	-2.11%	2.87%
31	29	1.569	1.536	-0.03	-2.10%	2.87%
31	30	1.567	1.535	-0.03	-2.04%	2.78%
31	31	1.565	1.535	-0.03	-1.92%	2.61%
31	32	1.569	1.538	-0.03	-1.98%	2.70%
31	33	1.566	1.538	-0.03	-1.79%	2.43%
31	34	1.566	1.538	-0.03	-1.79%	2.43%
31	35	1.565	1.534	-0.03	-1.98%	2.70%
31	36	1.567	1.535	-0.03	-2.04%	2.78%
31	37	1.568	1.536	-0.03	-2.04%	2.78%
31	38	1.561	1.528	-0.03	-2.11%	2.87%
31	39	1.562	1.532	-0.03	-1.92%	2.61%
31	40	1.567	1.535	-0.03	-2.04%	2.78%
31	41	1.561	1.528	-0.03	-2.11%	2.87%
31	42	1.564	1.537	-0.03	-1.73%	2.35%
50	43	1.567	1.453	-0.11	-7.28%	9.91%
50	44	1.562	1.457	-0.11	-6.72%	9.13%
50	45	1.560	1.450	-0.11	-7.05%	9.57%
50	46	1.570	1.460	-0.11	-7.01%	9.57%
50	47	1.570	1.450	-0.12	-7.64%	10.43%
	Max	1.570	1.565	-0.01	0.00%	10.43%
	Average	1.565	1.527	-0.04	-2.47%	3.36%
	Min	1.555	1.450	-0.11	-7.64%	0.00%
	Std Dev	0.003	0.029	0.03	1.84%	2.51%



VIH_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	2	V
Min Limit	0.85	V

krad	0	10	20	30	31	50
LL	0.85	0.85	0.85	0.85	0.85	0.85
Min	1.56	1.55	1.52	1.51	1.53	1.45
Average	1.56	1.55	1.53	1.51	1.53	1.45
Max	1.57	1.56	1.54	1.51	1.54	1.46
UL	2.00	2.00	2.00	2.00	2.00	2.00



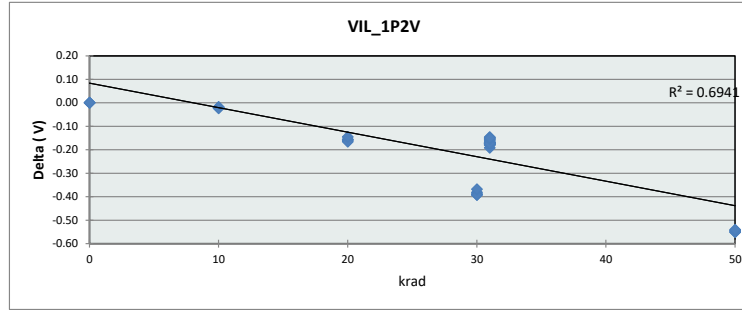


# TID Report

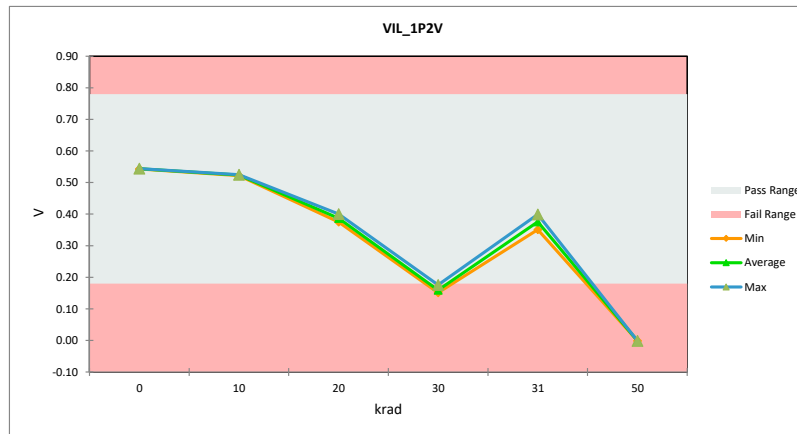
## SN54SC4T08-SEP

VIL_1P2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.78	0.78
Min Limit	0.18	0.18

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.544	0.544	0.00	0.00%	0.00%
0	2	0.544	0.544	0.00	0.00%	0.00%
0	3	0.543	0.543	0.00	0.00%	0.00%
10	4	0.542	0.523	-0.02	-3.51%	3.17%
10	5	0.544	0.524	-0.02	-3.68%	3.33%
10	6	0.543	0.525	-0.02	-3.31%	3.00%
10	7	0.545	0.525	-0.02	-3.67%	3.33%
10	8	0.545	0.522	-0.02	-4.22%	3.83%
20	9	0.545	0.389	-0.16	-28.62%	26.00%
20	10	0.543	0.387	-0.16	-28.73%	26.00%
20	11	0.543	0.383	-0.16	-29.47%	26.67%
20	12	0.541	0.375	-0.17	-30.68%	27.67%
20	13	0.545	0.400	-0.15	-26.61%	24.17%
30	14	0.545	0.163	-0.38	-70.09%	63.67%
30	15	0.543	0.155	-0.39	-71.45%	64.67%
30	16	0.543	0.151	-0.39	-72.19%	65.33%
30	17	0.544	0.151	-0.39	-72.24%	65.50%
30	18	0.544	0.176	-0.37	-67.65%	61.33%
31	19	0.545	0.375	-0.17	-31.19%	28.33%
31	20	0.543	0.370	-0.17	-31.86%	28.83%
31	21	0.543	0.373	-0.17	-31.31%	28.33%
31	22	0.544	0.372	-0.17	-31.62%	28.67%
31	23	0.544	0.374	-0.17	-31.25%	28.33%
31	24	0.542	0.363	-0.18	-33.03%	29.83%
31	25	0.543	0.393	-0.15	-27.62%	25.00%
31	26	0.545	0.388	-0.16	-28.81%	26.17%
31	27	0.543	0.351	-0.19	-35.36%	32.00%
31	28	0.543	0.374	-0.17	-31.12%	28.17%
31	29	0.543	0.363	-0.18	-33.15%	30.00%
31	30	0.544	0.372	-0.17	-31.62%	28.67%
31	31	0.544	0.378	-0.17	-30.51%	27.67%
31	32	0.542	0.382	-0.16	-29.52%	26.67%
31	33	0.544	0.395	-0.15	-27.39%	24.83%
31	34	0.545	0.399	-0.15	-26.79%	24.33%
31	35	0.545	0.370	-0.18	-32.11%	29.17%
31	36	0.544	0.366	-0.18	-32.72%	29.67%
31	37	0.543	0.371	-0.17	-31.68%	28.67%
31	38	0.542	0.368	-0.17	-32.10%	29.00%
31	39	0.543	0.368	-0.18	-32.23%	29.17%
31	40	0.541	0.368	-0.17	-31.98%	28.83%
31	41	0.542	0.387	-0.16	-28.60%	25.83%
31	42	0.543	0.393	-0.15	-27.62%	25.00%
50	43	0.543	-0.001	-0.54	-100.18%	90.67%
50	44	0.545	-0.001	-0.55	-100.18%	91.00%
50	45	0.550	-0.001	-0.55	-100.18%	91.83%
50	46	0.550	-0.001	-0.55	-100.18%	91.83%
50	47	0.540	-0.001	-0.54	-100.19%	90.17%
Max		0.550	0.544	-0.01	0.00%	91.83%
Average		0.544	0.340	-0.20	-37.41%	33.92%
Min		0.540	-0.001	-0.54	-100.19%	0.00%
Std Dev		0.002	0.153	0.15	28.23%	25.66%



VIL_1P2V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	0.78	V				
Min Limit	0.18	V				
krad	0	10	20	30	31	50
LL	0.18	0.18	0.18	0.18	0.18	0.18
Min	0.54	0.52	0.38	0.15	0.35	0.00
Average	0.54	0.52	0.39	0.16	0.38	0.00
Max	0.54	0.53	0.40	0.18	0.40	0.00
UL	0.78	0.78	0.78	0.78	0.78	0.78

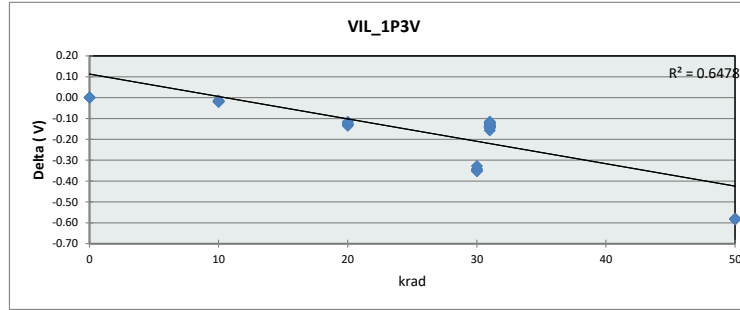


# TID Report

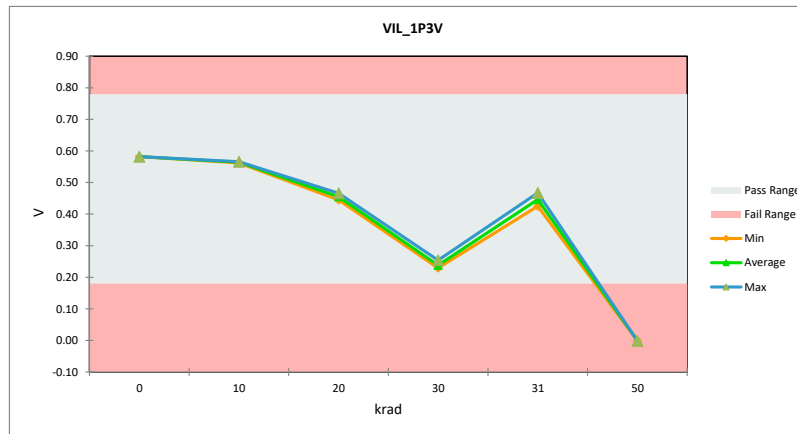
## SN54SC4T08-SEP

VIL_1P3V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.78	0.78
Min Limit	0.18	0.18

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.582	0.582	0.00	0.00%	0.00%
0	2	0.582	0.582	0.00	0.00%	0.00%
0	3	0.582	0.582	0.00	0.00%	0.00%
10	4	0.582	0.562	-0.02	-3.44%	3.33%
10	5	0.582	0.564	-0.02	-3.09%	3.00%
10	6	0.580	0.566	-0.01	-2.41%	2.33%
10	7	0.583	0.566	-0.02	-2.92%	2.83%
10	8	0.582	0.562	-0.02	-3.44%	3.33%
20	9	0.584	0.458	-0.13	-21.58%	21.00%
20	10	0.582	0.454	-0.13	-21.99%	21.33%
20	11	0.580	0.452	-0.13	-22.07%	21.33%
20	12	0.580	0.445	-0.14	-23.28%	22.50%
20	13	0.582	0.466	-0.12	-19.93%	19.33%
30	14	0.584	0.242	-0.34	-58.56%	57.00%
30	15	0.582	0.235	-0.35	-59.62%	57.83%
30	16	0.580	0.230	-0.35	-60.34%	58.33%
30	17	0.582	0.229	-0.35	-60.65%	58.83%
30	18	0.582	0.254	-0.33	-56.36%	54.67%
31	19	0.584	0.446	-0.14	-23.63%	23.00%
31	20	0.582	0.441	-0.14	-24.23%	23.50%
31	21	0.580	0.444	-0.14	-23.45%	22.67%
31	22	0.582	0.444	-0.14	-23.71%	23.00%
31	23	0.582	0.445	-0.14	-23.54%	22.83%
31	24	0.581	0.436	-0.15	-24.96%	24.17%
31	25	0.582	0.460	-0.12	-20.96%	20.33%
31	26	0.582	0.458	-0.12	-21.31%	20.67%
31	27	0.582	0.425	-0.16	-26.98%	26.17%
31	28	0.581	0.445	-0.14	-23.41%	22.67%
31	29	0.580	0.436	-0.14	-24.83%	24.00%
31	30	0.583	0.445	-0.14	-23.67%	23.00%
31	31	0.583	0.450	-0.13	-22.81%	22.17%
31	32	0.581	0.451	-0.13	-22.38%	21.67%
31	33	0.582	0.462	-0.12	-20.62%	20.00%
31	34	0.582	0.467	-0.12	-19.76%	19.17%
31	35	0.582	0.442	-0.14	-24.05%	23.33%
31	36	0.582	0.438	-0.14	-24.74%	24.00%
31	37	0.580	0.443	-0.14	-23.62%	22.83%
31	38	0.580	0.440	-0.14	-24.14%	23.33%
31	39	0.581	0.438	-0.14	-24.61%	23.83%
31	40	0.581	0.439	-0.14	-24.44%	23.67%
31	41	0.580	0.457	-0.12	-21.21%	20.50%
31	42	0.580	0.461	-0.12	-20.52%	19.83%
50	43	0.583	-0.001	-0.58	-100.17%	97.33%
50	44	0.582	-0.001	-0.58	-100.17%	97.17%
50	45	0.580	-0.001	-0.58	-100.17%	96.83%
50	46	0.580	-0.001	-0.58	-100.17%	96.83%
50	47	0.580	-0.001	-0.58	-100.17%	96.83%
	Max	0.584	0.582	0.00	0.00%	97.33%
	Average	0.582	0.399	-0.18	-31.45%	30.48%
	Min	0.580	-0.001	-0.58	-100.17%	0.00%
	Std Dev	0.001	0.164	0.16	28.21%	27.33%



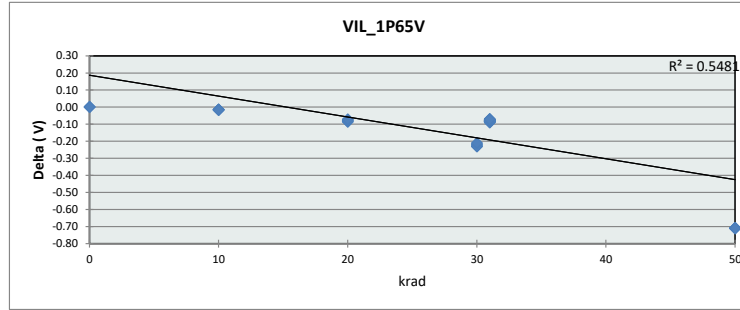
VIL_1P3V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	0.78	V				
Min Limit	0.18	V				
krad	0	10	20	30	31	50
LL	0.18	0.18	0.18	0.18	0.18	0.18
Min	0.58	0.56	0.45	0.23	0.43	0.00
Average	0.58	0.56	0.46	0.24	0.45	0.00
Max	0.58	0.57	0.47	0.25	0.47	0.00
UL	0.78	0.78	0.78	0.78	0.78	0.78



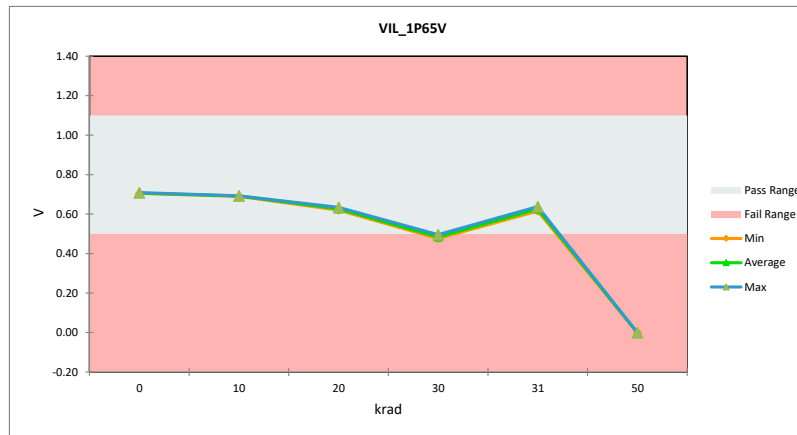
# TID Report SN54SC4T08-SEP

VIL_1P65V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.1	1.1
Min Limit	0.5	0.5

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.706	0.706	0.00	0.00%	0.00%
0	2	0.707	0.709	0.00	0.28%	0.33%
0	3	0.704	0.705	0.00	0.14%	0.17%
10	4	0.705	0.690	-0.02	-2.13%	2.50%
10	5	0.707	0.691	-0.02	-2.26%	2.67%
10	6	0.706	0.692	-0.01	-1.98%	2.33%
10	7	0.708	0.693	-0.02	-2.12%	2.50%
10	8	0.708	0.690	-0.02	-2.54%	3.00%
20	9	0.707	0.630	-0.08	-10.89%	12.83%
20	10	0.706	0.620	-0.09	-12.18%	14.33%
20	11	0.705	0.628	-0.08	-10.92%	12.83%
20	12	0.704	0.621	-0.08	-11.79%	13.83%
20	13	0.705	0.634	-0.07	-10.07%	11.83%
30	14	0.707	0.490	-0.22	-30.69%	36.17%
30	15	0.706	0.483	-0.22	-31.59%	37.17%
30	16	0.705	0.476	-0.23	-32.48%	38.17%
30	17	0.707	0.476	-0.23	-32.67%	38.50%
30	18	0.706	0.496	-0.21	-29.75%	35.00%
31	19	0.707	0.627	-0.08	-11.32%	13.33%
31	20	0.706	0.621	-0.09	-12.04%	14.17%
31	21	0.705	0.624	-0.08	-11.49%	13.50%
31	22	0.707	0.627	-0.08	-11.32%	13.33%
31	23	0.706	0.624	-0.08	-11.61%	13.67%
31	24	0.705	0.623	-0.08	-11.63%	13.67%
31	25	0.707	0.631	-0.08	-10.75%	12.67%
31	26	0.707	0.633	-0.07	-10.47%	12.33%
31	27	0.706	0.615	-0.09	-12.89%	15.17%
31	28	0.705	0.623	-0.08	-11.63%	13.67%
31	29	0.706	0.622	-0.08	-11.90%	14.00%
31	30	0.705	0.623	-0.08	-11.63%	13.67%
31	31	0.708	0.630	-0.08	-11.02%	13.00%
31	32	0.705	0.628	-0.08	-10.92%	12.83%
31	33	0.707	0.634	-0.07	-10.33%	12.17%
31	34	0.707	0.638	-0.07	-9.76%	11.50%
31	35	0.707	0.623	-0.08	-11.88%	14.00%
31	36	0.708	0.622	-0.09	-12.15%	14.33%
31	37	0.705	0.625	-0.08	-11.35%	13.33%
31	38	0.704	0.623	-0.08	-11.51%	13.50%
31	39	0.705	0.619	-0.09	-12.20%	14.33%
31	40	0.703	0.623	-0.08	-11.38%	13.33%
31	41	0.705	0.629	-0.08	-10.78%	12.67%
31	42	0.705	0.632	-0.07	-10.35%	12.17%
50	43	0.707	-0.001	-0.71	-100.14%	118.00%
50	44	0.707	-0.001	-0.71	-100.14%	118.00%
50	45	0.710	-0.001	-0.71	-100.14%	118.50%
50	46	0.710	-0.001	-0.71	-100.14%	118.50%
50	47	0.710	-0.001	-0.71	-100.14%	118.50%
	Max	0.710	0.709	0.00	0.28%	118.50%
	Average	0.706	0.556	-0.15	-21.21%	25.02%
	Min	0.703	-0.001	-0.70	-100.14%	0.00%
	Std Dev	0.002	0.202	0.20	28.63%	33.81%



VIL_1P65V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	1.1	V				
Min Limit	0.5	V				
krad	0	10	20	30	31	50
LL	0.50	0.50	0.50	0.50	0.50	0.50
Min	0.71	0.69	0.62	0.48	0.62	0.00
Average	0.71	0.69	0.63	0.48	0.63	0.00
Max	0.71	0.69	0.63	0.50	0.64	0.00
UL	1.10	1.10	1.10	1.10	1.10	1.10

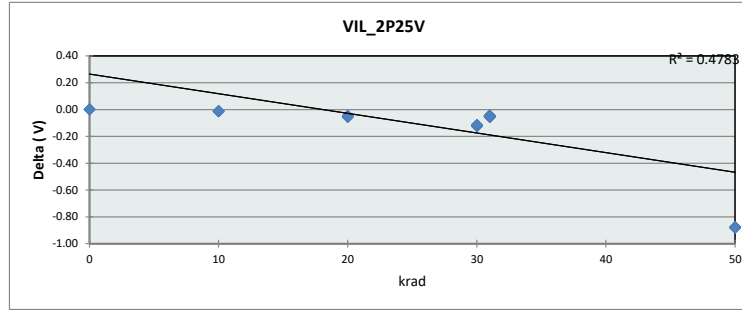


# TID Report

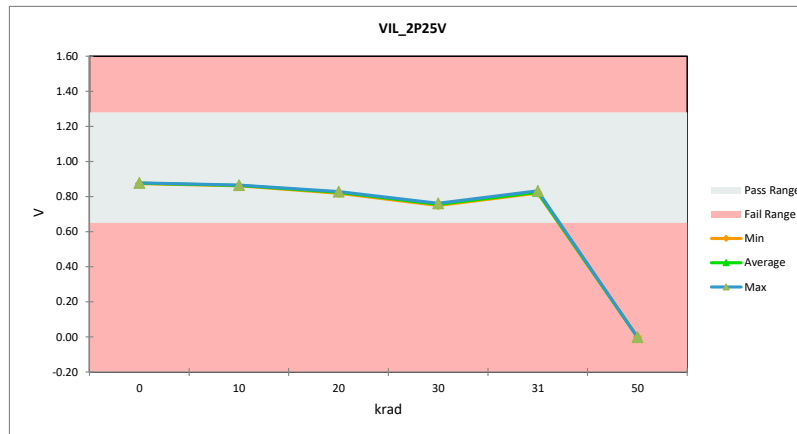
## SN54SC4T08-SEP

VIL_2P25V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.28	1.28
Min Limit	0.65	0.65

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.876	0.877	0.00	0.11%	0.16%
0	2	0.876	0.878	0.00	0.23%	0.32%
0	3	0.873	0.874	0.00	0.11%	0.16%
10	4	0.873	0.861	-0.01	-1.37%	1.90%
10	5	0.877	0.864	-0.01	-1.48%	2.06%
10	6	0.876	0.863	-0.01	-1.48%	2.06%
10	7	0.877	0.865	-0.01	-1.37%	1.90%
10	8	0.875	0.862	-0.01	-1.49%	2.06%
20	9	0.875	0.826	-0.05	-5.60%	7.78%
20	10	0.876	0.819	-0.06	-6.51%	9.05%
20	11	0.874	0.827	-0.05	-5.38%	7.46%
20	12	0.868	0.820	-0.05	-5.53%	7.62%
20	13	0.876	0.828	-0.05	-5.48%	7.62%
30	14	0.876	0.761	-0.12	-13.13%	18.25%
30	15	0.874	0.755	-0.12	-13.62%	18.89%
30	16	0.874	0.749	-0.13	-14.30%	19.84%
30	17	0.872	0.751	-0.12	-13.88%	19.21%
30	18	0.876	0.762	-0.11	-13.01%	18.10%
31	19	0.876	0.826	-0.05	-5.71%	7.94%
31	20	0.874	0.822	-0.05	-5.95%	8.25%
31	21	0.874	0.824	-0.05	-5.72%	7.94%
31	22	0.872	0.826	-0.05	-5.28%	7.30%
31	23	0.876	0.824	-0.05	-5.94%	8.25%
31	24	0.876	0.824	-0.05	-5.94%	8.25%
31	25	0.875	0.826	-0.05	-5.60%	7.78%
31	26	0.876	0.827	-0.05	-5.59%	7.78%
31	27	0.874	0.820	-0.05	-6.18%	8.57%
31	28	0.875	0.825	-0.05	-5.71%	7.94%
31	29	0.878	0.822	-0.06	-6.38%	8.89%
31	30	0.876	0.825	-0.05	-5.82%	8.10%
31	31	0.877	0.826	-0.05	-5.82%	8.10%
31	32	0.876	0.827	-0.05	-5.59%	7.78%
31	33	0.877	0.830	-0.05	-5.36%	7.46%
31	34	0.876	0.833	-0.04	-4.91%	6.83%
31	35	0.875	0.823	-0.05	-5.94%	8.25%
31	36	0.875	0.822	-0.05	-6.06%	8.41%
31	37	0.876	0.823	-0.05	-6.05%	8.41%
31	38	0.872	0.822	-0.05	-5.73%	7.94%
31	39	0.874	0.820	-0.05	-6.18%	8.57%
31	40	0.875	0.824	-0.05	-5.83%	8.10%
31	41	0.872	0.824	-0.05	-5.50%	7.62%
31	42	0.876	0.827	-0.05	-5.59%	7.78%
50	43	0.876	-0.001	-0.88	-100.11%	139.21%
50	44	0.876	-0.001	-0.88	-100.11%	139.21%
50	45	0.880	-0.001	-0.88	-100.11%	139.84%
50	46	0.880	-0.001	-0.88	-100.11%	139.84%
50	47	0.880	-0.001	-0.88	-100.11%	139.84%
Max		0.880	0.878	0.00	0.23%	139.84%
Average		0.875	0.737	-0.14	-15.79%	22.01%
Min		0.868	-0.001	-0.87	-100.11%	0.16%
Std Dev		0.002	0.259	0.26	29.60%	41.26%



VIL_2P25V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	1.28	V				
Min Limit	0.65	V				
krad	0	10	20	30	31	50
LL	0.65	0.65	0.65	0.65	0.65	0.65
Min	0.87	0.86	0.82	0.75	0.82	0.00
Average	0.88	0.86	0.82	0.76	0.82	0.00
Max	0.88	0.87	0.83	0.76	0.83	0.00
UL	1.28	1.28	1.28	1.28	1.28	1.28

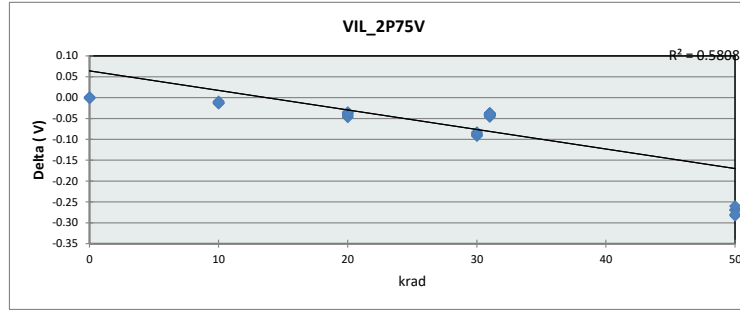


# TID Report

## SN54SC4T08-SEP

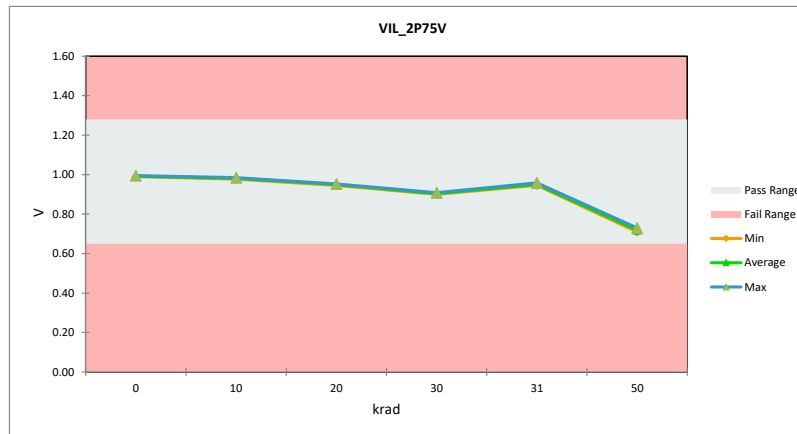
VIL_2P75V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.28	1.28
Min Limit	0.65	0.65

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.991	0.992	0.00	0.10%	0.16%
0	2	0.996	0.995	0.00	-0.10%	0.16%
0	3	0.991	0.990	0.00	-0.10%	0.16%
10	4	0.991	0.977	-0.01	-1.41%	2.22%
10	5	0.994	0.985	-0.01	-0.91%	1.43%
10	6	0.993	0.980	-0.01	-1.31%	2.06%
10	7	0.995	0.983	-0.01	-1.21%	1.90%
10	8	0.993	0.981	-0.01	-1.21%	1.90%
20	9	0.992	0.953	-0.04	-3.93%	6.19%
20	10	0.994	0.947	-0.05	-4.73%	7.46%
20	11	0.989	0.952	-0.04	-3.74%	5.87%
20	12	0.988	0.945	-0.04	-4.35%	6.83%
20	13	0.987	0.952	-0.04	-3.55%	5.56%
30	14	0.992	0.905	-0.09	-8.77%	13.81%
30	15	0.992	0.902	-0.09	-9.07%	14.29%
30	16	0.992	0.900	-0.09	-9.27%	14.60%
30	17	0.992	0.904	-0.09	-8.87%	13.97%
30	18	0.992	0.909	-0.08	-8.37%	13.17%
31	19	0.992	0.951	-0.04	-4.13%	6.51%
31	20	0.992	0.946	-0.05	-4.64%	7.30%
31	21	0.992	0.952	-0.04	-4.03%	6.35%
31	22	0.992	0.951	-0.04	-4.13%	6.51%
31	23	0.992	0.952	-0.04	-4.03%	6.35%
31	24	0.992	0.950	-0.04	-4.23%	6.67%
31	25	0.992	0.953	-0.04	-3.93%	6.19%
31	26	0.993	0.952	-0.04	-4.13%	6.51%
31	27	0.992	0.948	-0.04	-4.44%	6.98%
31	28	0.991	0.951	-0.04	-4.04%	6.35%
31	29	0.993	0.951	-0.04	-4.23%	6.67%
31	30	0.993	0.951	-0.04	-4.23%	6.67%
31	31	0.993	0.951	-0.04	-4.23%	6.67%
31	32	0.993	0.952	-0.04	-4.13%	6.51%
31	33	0.993	0.956	-0.04	-3.73%	5.87%
31	34	0.995	0.958	-0.04	-3.72%	5.87%
31	35	0.990	0.952	-0.04	-3.84%	6.03%
31	36	0.993	0.949	-0.04	-4.43%	6.98%
31	37	0.992	0.950	-0.04	-4.23%	6.67%
31	38	0.991	0.950	-0.04	-4.14%	6.51%
31	39	0.990	0.949	-0.04	-4.14%	6.51%
31	40	0.992	0.951	-0.04	-4.13%	6.51%
31	41	0.988	0.950	-0.04	-3.85%	6.03%
31	42	0.992	0.952	-0.04	-4.03%	6.35%
50	43	0.994	0.711	-0.28	-28.47%	44.92%
50	44	0.992	0.723	-0.27	-27.12%	42.70%
50	45	0.990	0.720	-0.27	-27.27%	42.86%
50	46	0.990	0.730	-0.26	-26.26%	41.27%
50	47	0.990	0.710	-0.28	-28.28%	44.44%
	Max	0.996	0.995	0.00	0.10%	44.92%
	Average	0.992	0.927	-0.06	-6.53%	10.29%
	Min	0.987	0.710	-0.28	-28.47%	0.16%
	Std Dev	0.002	0.076	0.07	7.61%	11.97%



VIL_2P75V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	1.28	V
Min Limit	0.65	V

krad	0	10	20	30	31	50
LL	0.65	0.65	0.65	0.65	0.65	0.65
Min	0.99	0.98	0.95	0.90	0.95	0.71
Average	0.99	0.98	0.95	0.90	0.95	0.72
Max	1.00	0.99	0.95	0.91	0.96	0.73
UL	1.28	1.28	1.28	1.28	1.28	1.28

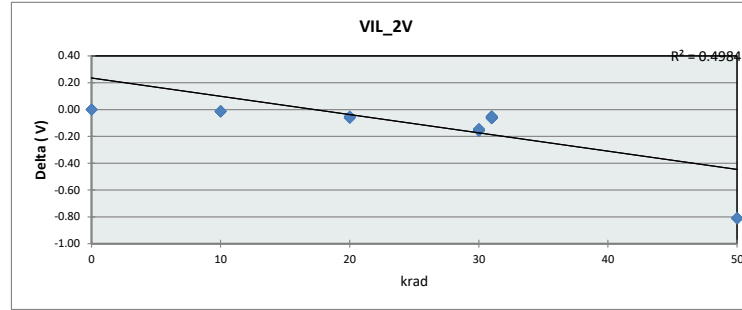


# TID Report

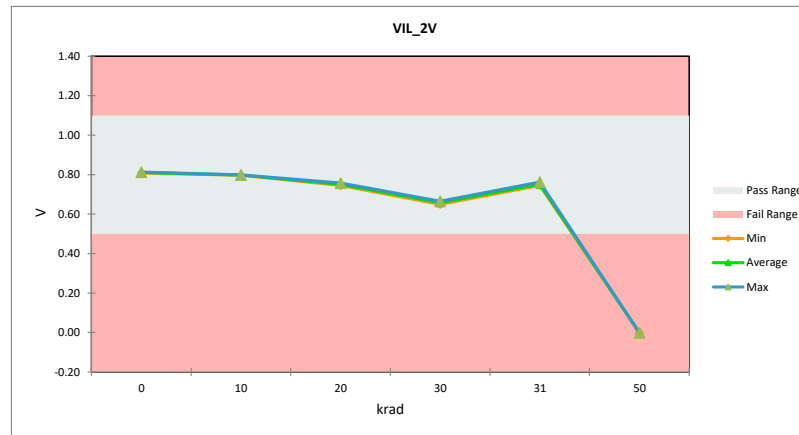
## SN54SC4T08-SEP

VIL_2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.1	1.1
Min Limit	0.5	0.5

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.811	0.812	0.00	0.12%	0.17%
0	2	0.813	0.813	0.00	0.00%	0.00%
0	3	0.808	0.808	0.00	0.00%	0.00%
10	4	0.810	0.797	-0.01	-1.60%	2.17%
10	5	0.811	0.799	-0.01	-1.48%	2.00%
10	6	0.811	0.797	-0.01	-1.73%	2.33%
10	7	0.813	0.799	-0.01	-1.72%	2.33%
10	8	0.812	0.798	-0.01	-1.72%	2.33%
20	9	0.810	0.752	-0.06	-7.16%	9.67%
20	10	0.808	0.745	-0.06	-7.80%	10.50%
20	11	0.810	0.754	-0.06	-6.91%	9.33%
20	12	0.807	0.748	-0.06	-7.31%	9.83%
20	13	0.809	0.757	-0.05	-6.43%	8.67%
30	14	0.813	0.664	-0.15	-18.33%	24.83%
30	15	0.811	0.658	-0.15	-18.87%	25.50%
30	16	0.809	0.649	-0.16	-19.78%	26.67%
30	17	0.810	0.654	-0.16	-19.26%	26.00%
30	18	0.810	0.665	-0.15	-17.90%	24.17%
31	19	0.813	0.753	-0.06	-7.38%	10.00%
31	20	0.811	0.750	-0.06	-7.52%	10.17%
31	21	0.809	0.751	-0.06	-7.17%	9.67%
31	22	0.810	0.751	-0.06	-7.28%	9.83%
31	23	0.810	0.752	-0.06	-7.16%	9.67%
31	24	0.811	0.750	-0.06	-7.52%	10.17%
31	25	0.809	0.755	-0.05	-6.67%	9.00%
31	26	0.810	0.756	-0.05	-6.67%	9.00%
31	27	0.810	0.745	-0.07	-8.02%	10.83%
31	28	0.809	0.751	-0.06	-7.17%	9.67%
31	29	0.810	0.749	-0.06	-7.53%	10.17%
31	30	0.810	0.751	-0.06	-7.28%	9.83%
31	31	0.811	0.755	-0.06	-6.91%	9.33%
31	32	0.811	0.754	-0.06	-7.03%	9.50%
31	33	0.810	0.758	-0.05	-6.42%	8.67%
31	34	0.813	0.762	-0.05	-6.27%	8.50%
31	35	0.812	0.749	-0.06	-7.76%	10.50%
31	36	0.810	0.749	-0.06	-7.53%	10.17%
31	37	0.811	0.749	-0.06	-7.64%	10.33%
31	38	0.809	0.749	-0.06	-7.42%	10.00%
31	39	0.809	0.745	-0.06	-7.91%	10.67%
31	40	0.810	0.750	-0.06	-7.41%	10.00%
31	41	0.809	0.753	-0.06	-6.92%	9.33%
31	42	0.811	0.756	-0.06	-6.78%	9.17%
50	43	0.811	-0.001	-0.81	-100.12%	135.33%
50	44	0.812	-0.001	-0.81	-100.12%	135.50%
50	45	0.810	-0.001	-0.81	-100.12%	135.17%
50	46	0.810	-0.001	-0.81	-100.12%	135.17%
50	47	0.810	-0.001	-0.81	-100.12%	135.17%
Max		0.813	0.813	0.00	0.12%	135.50%
Average		0.810	0.670	-0.14	-17.27%	23.34%
Min		0.807	-0.001	-0.81	-100.12%	0.00%
Std Dev		0.001	0.237	0.24	29.27%	39.54%



VIL_2V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	1.1	V				
Min Limit	0.5	V				
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	0.75	0.65	0.75	0.00
Average	0.81	0.80	0.75	0.66	0.75	0.00
Max	0.81	0.80	0.76	0.67	0.76	0.00
UL	1.10	1.10	1.10	1.10	1.10	1.10

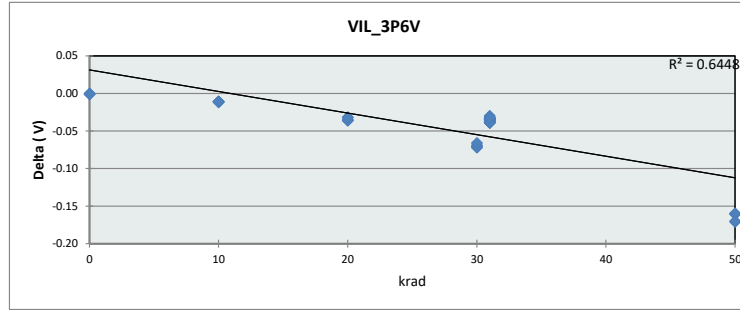


# TID Report

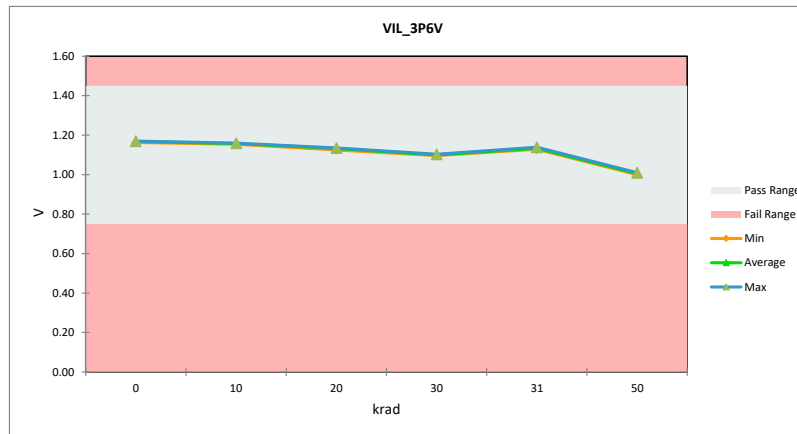
## SN54SC4T08-SEP

VIL_3P6V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.45	1.45
Min Limit	0.75	0.75

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.170	1.170	0.00	0.00%	0.00%
0	2	1.171	1.170	0.00	-0.09%	0.14%
0	3	1.164	1.163	0.00	-0.09%	0.14%
10	4	1.166	1.154	-0.01	-1.03%	1.71%
10	5	1.171	1.160	-0.01	-0.94%	1.57%
10	6	1.168	1.157	-0.01	-0.94%	1.57%
10	7	1.171	1.160	-0.01	-0.94%	1.57%
10	8	1.168	1.157	-0.01	-0.94%	1.57%
20	9	1.169	1.134	-0.04	-2.99%	5.00%
20	10	1.169	1.133	-0.04	-3.08%	5.14%
20	11	1.167	1.135	-0.03	-2.74%	4.57%
20	12	1.161	1.125	-0.04	-3.10%	5.14%
20	13	1.167	1.135	-0.03	-2.74%	4.57%
30	14	1.170	1.101	-0.07	-5.90%	9.86%
30	15	1.168	1.098	-0.07	-5.99%	10.00%
30	16	1.169	1.097	-0.07	-6.16%	10.29%
30	17	1.171	1.099	-0.07	-6.15%	10.29%
30	18	1.169	1.103	-0.07	-5.65%	9.43%
31	19	1.170	1.136	-0.03	-2.91%	4.86%
31	20	1.168	1.129	-0.04	-3.34%	5.57%
31	21	1.169	1.134	-0.04	-2.99%	5.00%
31	22	1.171	1.134	-0.04	-3.16%	5.29%
31	23	1.169	1.135	-0.03	-2.91%	4.86%
31	24	1.169	1.131	-0.04	-3.25%	5.43%
31	25	1.170	1.136	-0.03	-2.91%	4.86%
31	26	1.169	1.136	-0.03	-2.82%	4.71%
31	27	1.166	1.131	-0.03	-3.00%	5.00%
31	28	1.168	1.134	-0.03	-2.91%	4.86%
31	29	1.170	1.134	-0.04	-3.08%	5.14%
31	30	1.169	1.134	-0.04	-2.99%	5.00%
31	31	1.168	1.135	-0.03	-2.83%	4.71%
31	32	1.171	1.139	-0.03	-2.73%	4.57%
31	33	1.168	1.138	-0.03	-2.57%	4.29%
31	34	1.171	1.138	-0.03	-2.82%	4.71%
31	35	1.168	1.131	-0.04	-3.17%	5.29%
31	36	1.170	1.131	-0.04	-3.33%	5.57%
31	37	1.168	1.133	-0.03	-3.00%	5.00%
31	38	1.167	1.131	-0.04	-3.08%	5.14%
31	39	1.167	1.132	-0.04	-3.00%	5.00%
31	40	1.170	1.132	-0.04	-3.25%	5.43%
31	41	1.168	1.129	-0.04	-3.34%	5.57%
31	42	1.170	1.137	-0.03	-2.82%	4.71%
50	43	1.171	1.000	-0.17	-14.60%	24.43%
50	44	1.167	1.006	-0.16	-13.80%	23.00%
50	45	1.170	1.010	-0.16	-13.68%	22.86%
50	46	1.170	1.010	-0.16	-13.68%	22.86%
50	47	1.170	1.000	-0.17	-14.53%	24.29%
	Max	1.171	1.170	0.00	0.00%	24.43%
	Average	1.169	1.121	-0.05	-4.08%	6.82%
	Min	1.161	1.000	-0.16	-14.60%	0.00%
	Std Dev	0.002	0.044	0.04	3.76%	6.28%



VIL_3P6V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	1.45	V				
Min Limit	0.75	V				
	krad	0	10	20	30	31
LL		0.75	0.75	0.75	0.75	0.75
Min		1.16	1.15	1.13	1.10	1.10
Average		1.17	1.16	1.13	1.10	1.13
Max		1.17	1.16	1.14	1.10	1.14
UL		1.45	1.45	1.45	1.45	1.45

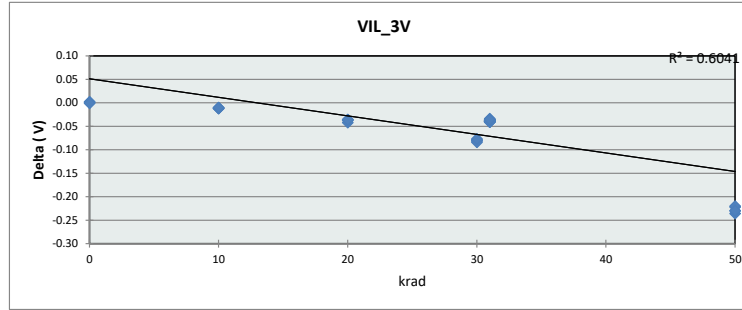


# TID Report

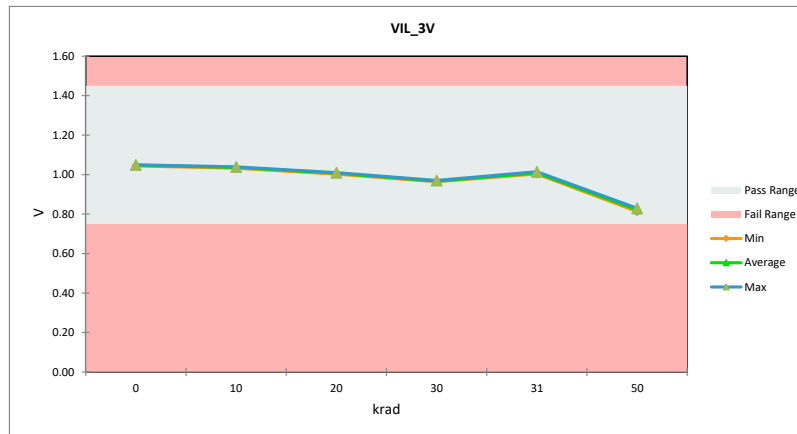
## SN54SC4T08-SEP

VIL_3V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.45	1.45
Min Limit	0.75	0.75

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.048	1.049	0.00	0.10%	0.14%
0	2	1.048	1.050	0.00	0.19%	0.29%
0	3	1.045	1.044	0.00	-0.10%	0.14%
10	4	1.044	1.033	-0.01	-1.05%	1.57%
10	5	1.049	1.037	-0.01	-1.14%	1.71%
10	6	1.047	1.035	-0.01	-1.15%	1.71%
10	7	1.050	1.039	-0.01	-1.05%	1.57%
10	8	1.047	1.037	-0.01	-0.96%	1.43%
20	9	1.047	1.010	-0.04	-3.53%	5.29%
20	10	1.048	1.006	-0.04	-4.01%	6.00%
20	11	1.045	1.009	-0.04	-3.44%	5.14%
20	12	1.040	1.003	-0.04	-3.56%	5.29%
20	13	1.046	1.010	-0.04	-3.44%	5.14%
30	14	1.049	0.968	-0.08	-7.72%	11.57%
30	15	1.045	0.966	-0.08	-7.56%	11.29%
30	16	1.045	0.964	-0.08	-7.75%	11.57%
30	17	1.048	0.964	-0.08	-8.02%	12.00%
30	18	1.048	0.971	-0.08	-7.35%	11.00%
31	19	1.049	1.009	-0.04	-3.81%	5.71%
31	20	1.045	1.006	-0.04	-3.73%	5.57%
31	21	1.045	1.006	-0.04	-3.73%	5.57%
31	22	1.048	1.010	-0.04	-3.63%	5.43%
31	23	1.048	1.009	-0.04	-3.72%	5.57%
31	24	1.045	1.006	-0.04	-3.73%	5.57%
31	25	1.048	1.011	-0.04	-3.53%	5.29%
31	26	1.046	1.010	-0.04	-3.44%	5.14%
31	27	1.046	1.006	-0.04	-3.82%	5.71%
31	28	1.047	1.008	-0.04	-3.72%	5.57%
31	29	1.047	1.009	-0.04	-3.63%	5.43%
31	30	1.049	1.009	-0.04	-3.81%	5.71%
31	31	1.046	1.009	-0.04	-3.54%	5.29%
31	32	1.048	1.011	-0.04	-3.53%	5.29%
31	33	1.048	1.012	-0.04	-3.44%	5.14%
31	34	1.049	1.015	-0.03	-3.24%	4.86%
31	35	1.047	1.008	-0.04	-3.72%	5.57%
31	36	1.047	1.006	-0.04	-3.92%	5.86%
31	37	1.048	1.008	-0.04	-3.82%	5.71%
31	38	1.045	1.007	-0.04	-3.64%	5.43%
31	39	1.043	1.005	-0.04	-3.64%	5.43%
31	40	1.047	1.008	-0.04	-3.72%	5.57%
31	41	1.045	1.004	-0.04	-3.92%	5.86%
31	42	1.048	1.012	-0.04	-3.44%	5.14%
50	43	1.049	0.813	-0.24	-22.50%	33.71%
50	44	1.047	0.825	-0.22	-21.20%	31.71%
50	45	1.050	0.820	-0.23	-21.90%	32.86%
50	46	1.050	0.830	-0.22	-20.95%	31.43%
50	47	1.050	0.820	-0.23	-21.90%	32.86%
	Max	1.050	1.050	0.00	0.19%	33.71%
	Average	1.047	0.990	-0.06	-5.49%	8.23%
	Min	1.040	0.813	-0.23	-22.50%	0.14%
	Std Dev	0.002	0.062	0.06	5.95%	8.90%



VIL_3V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	1.45	V				
Min Limit	0.75	V				
krad	0	10	20	30	31	50
LL	0.75	0.75	0.75	0.75	0.75	0.75
Min	1.04	1.03	1.00	0.96	1.00	0.81
Average	1.05	1.04	1.01	0.97	1.01	0.82
Max	1.05	1.04	1.01	0.97	1.02	0.83
UL	1.45	1.45	1.45	1.45	1.45	1.45



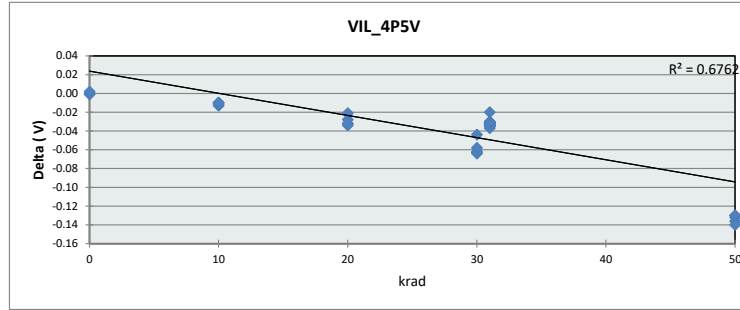


# TID Report

## SN54SC4T08-SEP

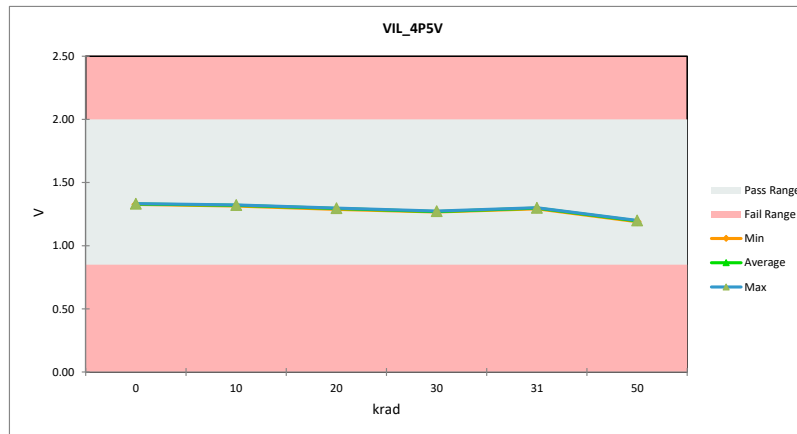
VIL_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	2	2
Min Limit	0.85	0.85

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.330	1.330	0.00	0.00%	0.00%
0	2	1.334	1.333	0.00	-0.07%	0.09%
0	3	1.325	1.327	0.00	0.15%	0.17%
10	4	1.327	1.314	-0.01	-0.98%	1.13%
10	5	1.333	1.321	-0.01	-0.90%	1.04%
10	6	1.328	1.318	-0.01	-0.75%	0.87%
10	7	1.333	1.323	-0.01	-0.75%	0.87%
10	8	1.330	1.320	-0.01	-0.75%	0.87%
20	9	1.327	1.295	-0.03	-2.41%	2.78%
20	10	1.330	1.296	-0.03	-2.56%	2.96%
20	11	1.326	1.298	-0.03	-2.11%	2.43%
20	12	1.309	1.288	-0.02	-1.60%	1.83%
20	13	1.328	1.296	-0.03	-2.41%	2.78%
30	14	1.331	1.268	-0.06	-4.73%	5.48%
30	15	1.312	1.268	-0.04	-3.35%	3.83%
30	16	1.331	1.267	-0.06	-4.81%	5.57%
30	17	1.333	1.271	-0.06	-4.65%	5.39%
30	18	1.332	1.274	-0.06	-4.35%	5.04%
31	19	1.331	1.300	-0.03	-2.33%	2.70%
31	20	1.312	1.292	-0.02	-1.52%	1.74%
31	21	1.331	1.297	-0.03	-2.55%	2.96%
31	22	1.333	1.299	-0.03	-2.55%	2.96%
31	23	1.332	1.301	-0.03	-2.33%	2.70%
31	24	1.329	1.294	-0.03	-2.63%	3.04%
31	25	1.331	1.301	-0.03	-2.25%	2.61%
31	26	1.331	1.299	-0.03	-2.40%	2.78%
31	27	1.328	1.294	-0.03	-2.56%	2.96%
31	28	1.331	1.297	-0.03	-2.55%	2.96%
31	29	1.332	1.297	-0.04	-2.63%	3.04%
31	30	1.331	1.299	-0.03	-2.40%	2.78%
31	31	1.330	1.297	-0.03	-2.48%	2.87%
31	32	1.335	1.301	-0.03	-2.55%	2.96%
31	33	1.332	1.301	-0.03	-2.33%	2.70%
31	34	1.333	1.301	-0.03	-2.40%	2.78%
31	35	1.328	1.298	-0.03	-2.26%	2.61%
31	36	1.331	1.296	-0.03	-2.63%	3.04%
31	37	1.328	1.295	-0.03	-2.48%	2.87%
31	38	1.328	1.296	-0.03	-2.41%	2.78%
31	39	1.327	1.295	-0.03	-2.41%	2.78%
31	40	1.329	1.295	-0.03	-2.56%	2.96%
31	41	1.329	1.292	-0.04	-2.78%	3.22%
31	42	1.332	1.301	-0.03	-2.33%	2.70%
50	43	1.332	1.196	-0.14	-10.21%	11.83%
50	44	1.326	1.194	-0.13	-9.95%	11.48%
50	45	1.330	1.200	-0.13	-9.77%	11.30%
50	46	1.330	1.200	-0.13	-9.77%	11.30%
50	47	1.330	1.190	-0.14	-10.53%	12.17%
	Max	1.335	1.333	0.00	0.15%	12.17%
	Average	1.329	1.288	-0.04	-3.10%	3.59%
	Min	1.309	1.190	-0.12	-10.53%	0.00%
	Std Dev	0.005	0.035	0.03	2.65%	3.06%



VIL_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	2	V
Min Limit	0.85	V

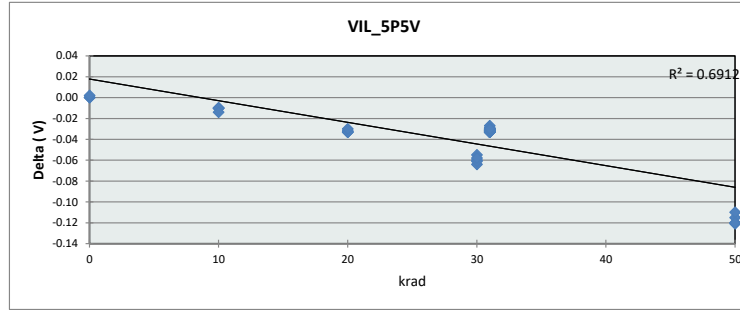
	0	10	20	30	31	50
LL	0.85	0.85	0.85	0.85	0.85	0.85
Min	1.33	1.31	1.29	1.27	1.29	1.19
Average	1.33	1.32	1.29	1.27	1.30	1.20
Max	1.33	1.32	1.30	1.27	1.30	1.20
UL	2.00	2.00	2.00	2.00	2.00	2.00



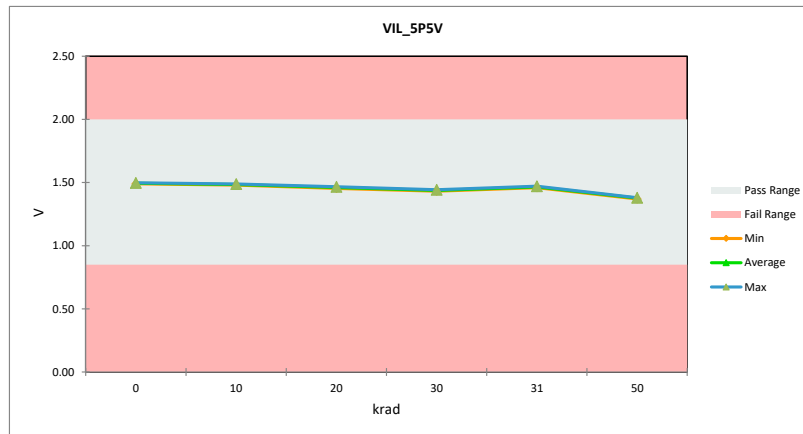
# TID Report SN54SC4T08-SEP

VIL_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	2	2
Min Limit	0.85	0.85

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.495	1.495	0.00	0.00%	0.00%
0	2	1.498	1.498	0.00	0.00%	0.00%
0	3	1.488	1.490	0.00	0.13%	0.17%
10	4	1.490	1.480	-0.01	-0.67%	0.87%
10	5	1.498	1.488	-0.01	-0.67%	0.87%
10	6	1.493	1.483	-0.01	-0.67%	0.87%
10	7	1.498	1.488	-0.01	-0.67%	0.87%
10	8	1.497	1.483	-0.01	-0.94%	1.22%
20	9	1.495	1.462	-0.03	-2.21%	2.87%
20	10	1.498	1.466	-0.03	-2.14%	2.78%
20	11	1.494	1.461	-0.03	-2.21%	2.87%
20	12	1.487	1.454	-0.03	-2.22%	2.87%
20	13	1.493	1.463	-0.03	-2.01%	2.61%
30	14	1.497	1.437	-0.06	-4.01%	5.22%
30	15	1.492	1.437	-0.05	-3.69%	4.78%
30	16	1.496	1.432	-0.06	-4.28%	5.57%
30	17	1.498	1.437	-0.06	-4.07%	5.30%
30	18	1.501	1.443	-0.06	-3.86%	5.04%
31	19	1.497	1.464	-0.03	-2.20%	2.87%
31	20	1.492	1.460	-0.03	-2.14%	2.78%
31	21	1.496	1.463	-0.03	-2.21%	2.87%
31	22	1.498	1.467	-0.03	-2.07%	2.70%
31	23	1.501	1.469	-0.03	-2.13%	2.78%
31	24	1.494	1.461	-0.03	-2.21%	2.87%
31	25	1.498	1.468	-0.03	-2.00%	2.61%
31	26	1.497	1.468	-0.03	-1.94%	2.52%
31	27	1.493	1.462	-0.03	-2.08%	2.70%
31	28	1.496	1.463	-0.03	-2.21%	2.87%
31	29	1.497	1.466	-0.03	-2.07%	2.70%
31	30	1.498	1.468	-0.03	-2.00%	2.61%
31	31	1.495	1.464	-0.03	-2.07%	2.70%
31	32	1.500	1.468	-0.03	-2.13%	2.78%
31	33	1.499	1.469	-0.03	-2.00%	2.61%
31	34	1.498	1.471	-0.03	-1.80%	2.35%
31	35	1.495	1.463	-0.03	-2.14%	2.78%
31	36	1.495	1.465	-0.03	-2.01%	2.61%
31	37	1.497	1.466	-0.03	-2.07%	2.70%
31	38	1.493	1.461	-0.03	-2.14%	2.78%
31	39	1.494	1.461	-0.03	-2.21%	2.87%
31	40	1.497	1.464	-0.03	-2.20%	2.87%
31	41	1.491	1.459	-0.03	-2.15%	2.78%
31	42	1.497	1.467	-0.03	-2.00%	2.61%
50	43	1.498	1.377	-0.12	-8.08%	10.52%
50	44	1.491	1.376	-0.12	-7.71%	10.00%
50	45	1.500	1.380	-0.12	-8.00%	10.43%
50	46	1.490	1.380	-0.11	-7.38%	9.57%
50	47	1.490	1.370	-0.12	-8.05%	10.43%
Max		1.501	1.498	0.00	0.13%	10.52%
Average		1.495	1.456	-0.04	-2.63%	3.43%
Min		1.487	1.370	-0.12	-8.08%	0.00%
Std Dev		0.003	0.031	0.03	2.05%	2.66%



VIL_5P5V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	2	V				
Min Limit	0.85	V				
krad	0	10	20	30	31	50
LL	0.85	0.85	0.85	0.85	0.85	0.85
Min	1.49	1.48	1.45	1.43	1.46	1.37
Average	1.49	1.48	1.46	1.44	1.46	1.38
Max	1.50	1.49	1.47	1.44	1.47	1.38
UL	2.00	2.00	2.00	2.00	2.00	2.00

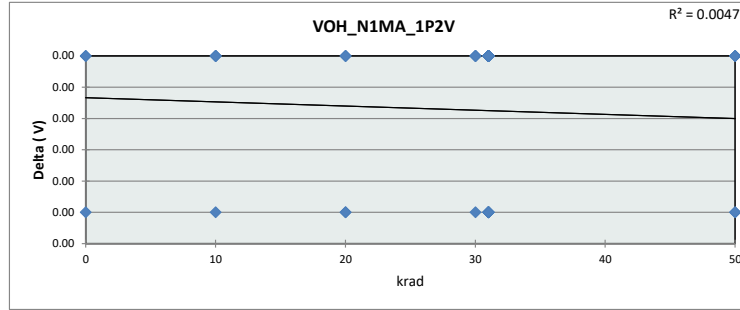


# TID Report

## SN54SC4T08-SEP

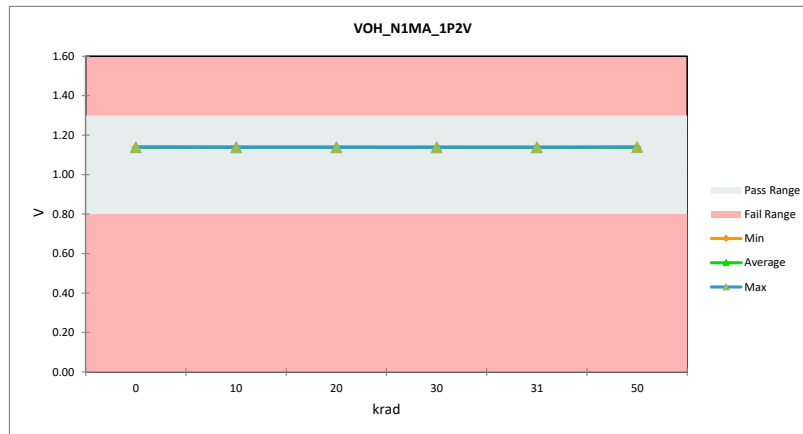
VOH_N1MA_1P2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.3	1.3
Min Limit	0.8	0.8

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.139	1.139	0.00	0.00%	0.00%
0	2	1.140	1.140	0.00	0.00%	0.00%
0	3	1.140	1.139	0.00	-0.09%	0.20%
10	4	1.140	1.139	0.00	-0.09%	0.20%
10	5	1.139	1.139	0.00	0.00%	0.00%
10	6	1.139	1.139	0.00	0.00%	0.00%
10	7	1.139	1.139	0.00	0.00%	0.00%
10	8	1.139	1.139	0.00	0.00%	0.00%
20	9	1.139	1.139	0.00	0.00%	0.00%
20	10	1.140	1.139	0.00	-0.09%	0.20%
20	11	1.139	1.139	0.00	0.00%	0.00%
20	12	1.139	1.139	0.00	0.00%	0.00%
20	13	1.140	1.139	0.00	-0.09%	0.20%
30	14	1.139	1.139	0.00	0.00%	0.00%
30	15	1.139	1.139	0.00	0.00%	0.00%
30	16	1.139	1.139	0.00	0.00%	0.00%
30	17	1.139	1.139	0.00	0.00%	0.00%
30	18	1.139	1.138	0.00	-0.09%	0.20%
31	19	1.139	1.139	0.00	0.00%	0.00%
31	20	1.139	1.138	0.00	-0.09%	0.20%
31	21	1.139	1.139	0.00	0.00%	0.00%
31	22	1.139	1.139	0.00	0.00%	0.00%
31	23	1.139	1.138	0.00	-0.09%	0.20%
31	24	1.139	1.139	0.00	0.00%	0.00%
31	25	1.139	1.139	0.00	0.00%	0.00%
31	26	1.139	1.138	0.00	-0.09%	0.20%
31	27	1.139	1.139	0.00	0.00%	0.00%
31	28	1.139	1.139	0.00	0.00%	0.00%
31	29	1.139	1.139	0.00	0.00%	0.00%
31	30	1.139	1.139	0.00	0.00%	0.00%
31	31	1.139	1.139	0.00	0.00%	0.00%
31	32	1.139	1.139	0.00	0.00%	0.00%
31	33	1.139	1.138	0.00	-0.09%	0.20%
31	34	1.139	1.138	0.00	-0.09%	0.20%
31	35	1.139	1.138	0.00	-0.09%	0.20%
31	36	1.140	1.139	0.00	-0.09%	0.20%
31	37	1.139	1.138	0.00	-0.09%	0.20%
31	38	1.139	1.139	0.00	0.00%	0.00%
31	39	1.140	1.139	0.00	-0.09%	0.20%
31	40	1.139	1.139	0.00	0.00%	0.00%
31	41	1.139	1.139	0.00	0.00%	0.00%
31	42	1.139	1.139	0.00	0.00%	0.00%
50	43	1.139	1.138	0.00	-0.09%	0.20%
50	44	1.139	1.138	0.00	-0.09%	0.20%
50	45	1.140	1.140	0.00	0.00%	0.00%
50	46	1.140	1.140	0.00	0.00%	0.00%
50	47	1.140	1.140	0.00	0.00%	0.00%
	Max	1.140	1.140	0.00	0.00%	0.20%
	Average	1.139	1.139	0.00	-0.03%	0.07%
	Min	1.139	1.138	0.00	-0.09%	0.00%
	Std Dev	0.000	0.001	0.00	0.04%	0.10%



VOH_N1MA_1P2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	1.3	V
Min Limit	0.8	V

	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

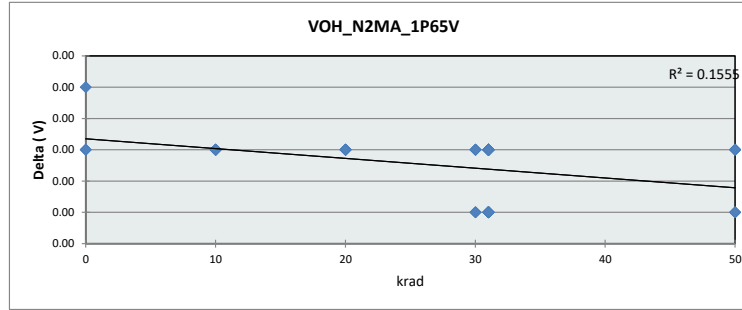


# TID Report

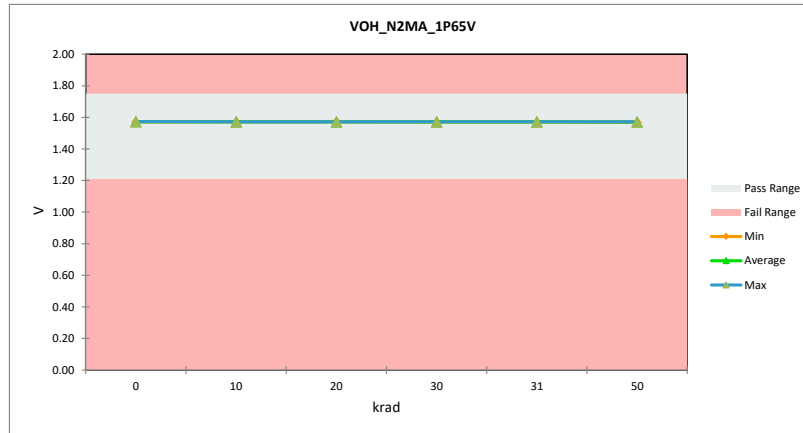
## SN54SC4T08-SEP

VOH_N2MA_1P65V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.75	1.75
Min Limit	1.21	1.21

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.572	1.572	0.00	0.00%	0.00%
0	2	1.572	1.572	0.00	0.00%	0.00%
0	3	1.572	1.573	0.00	0.06%	0.19%
10	4	1.572	1.572	0.00	0.00%	0.00%
10	5	1.572	1.572	0.00	0.00%	0.00%
10	6	1.572	1.572	0.00	0.00%	0.00%
10	7	1.572	1.572	0.00	0.00%	0.00%
10	8	1.572	1.572	0.00	0.00%	0.00%
20	9	1.572	1.572	0.00	0.00%	0.00%
20	10	1.572	1.572	0.00	0.00%	0.00%
20	11	1.572	1.572	0.00	0.00%	0.00%
20	12	1.572	1.572	0.00	0.00%	0.00%
20	13	1.572	1.572	0.00	0.00%	0.00%
30	14	1.572	1.572	0.00	0.00%	0.00%
30	15	1.572	1.572	0.00	0.00%	0.00%
30	16	1.572	1.571	0.00	-0.06%	0.19%
30	17	1.572	1.572	0.00	0.00%	0.00%
30	18	1.572	1.571	0.00	-0.06%	0.19%
31	19	1.572	1.572	0.00	0.00%	0.00%
31	20	1.572	1.572	0.00	0.00%	0.00%
31	21	1.572	1.572	0.00	0.00%	0.00%
31	22	1.572	1.572	0.00	0.00%	0.00%
31	23	1.572	1.571	0.00	-0.06%	0.19%
31	24	1.572	1.571	0.00	-0.06%	0.19%
31	25	1.572	1.572	0.00	0.00%	0.00%
31	26	1.572	1.571	0.00	-0.06%	0.19%
31	27	1.572	1.572	0.00	0.00%	0.00%
31	28	1.572	1.572	0.00	0.00%	0.00%
31	29	1.572	1.571	0.00	-0.06%	0.19%
31	30	1.572	1.572	0.00	0.00%	0.00%
31	31	1.572	1.572	0.00	0.00%	0.00%
31	32	1.572	1.572	0.00	0.00%	0.00%
31	33	1.572	1.571	0.00	-0.06%	0.19%
31	34	1.572	1.571	0.00	-0.06%	0.19%
31	35	1.572	1.571	0.00	-0.06%	0.19%
31	36	1.572	1.572	0.00	0.00%	0.00%
31	37	1.572	1.571	0.00	-0.06%	0.19%
31	38	1.572	1.572	0.00	0.00%	0.00%
31	39	1.572	1.572	0.00	0.00%	0.00%
31	40	1.572	1.572	0.00	0.00%	0.00%
31	41	1.572	1.571	0.00	-0.06%	0.19%
31	42	1.572	1.572	0.00	0.00%	0.00%
50	43	1.572	1.571	0.00	-0.06%	0.19%
50	44	1.573	1.572	0.00	-0.06%	0.19%
50	45	1.570	1.570	0.00	0.00%	0.00%
50	46	1.570	1.570	0.00	0.00%	0.00%
50	47	1.570	1.570	0.00	0.00%	0.00%
	Max	1.573	1.573	0.00	0.06%	0.19%
	Average	1.572	1.572	0.00	-0.02%	0.06%
	Min	1.570	1.570	0.00	-0.06%	0.00%
	Std Dev	0.001	0.001	0.00	0.03%	0.09%



VOH_N2MA_1P65V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	1.75	V				
Min Limit	1.21	V				
krad	0	10	20	30	31	50
LL	1.21	1.21	1.21	1.21	1.21	1.21
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

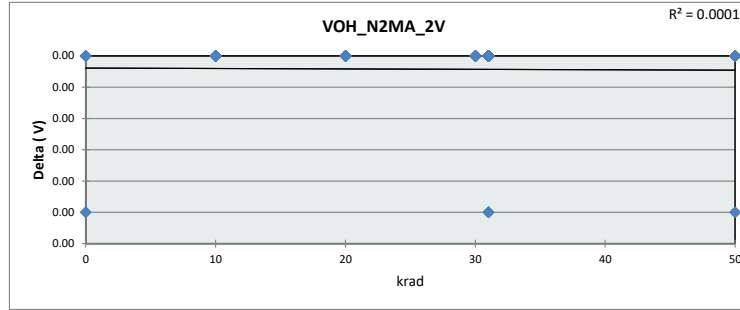


# TID Report

## SN54SC4T08-SEP

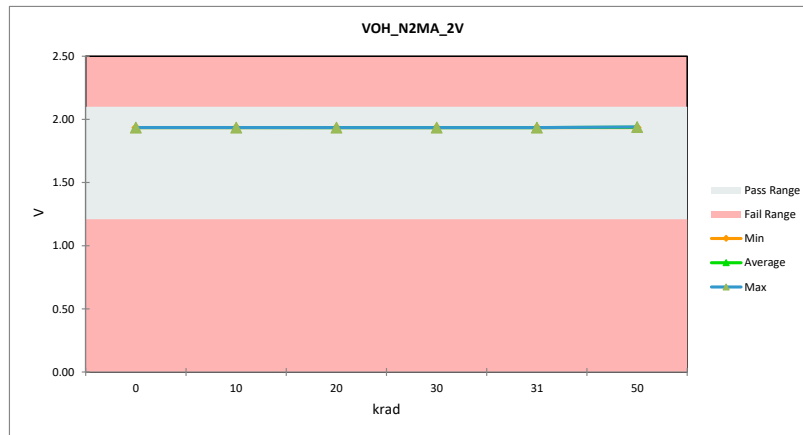
VOH_N2MA_2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	2.1	2.1
Min Limit	1.21	1.21

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.936	1.936	0.00	0.00%	0.00%
0	2	1.936	1.935	0.00	-0.05%	0.11%
0	3	1.936	1.936	0.00	0.00%	0.00%
10	4	1.936	1.936	0.00	0.00%	0.00%
10	5	1.935	1.935	0.00	0.00%	0.00%
10	6	1.935	1.935	0.00	0.00%	0.00%
10	7	1.935	1.935	0.00	0.00%	0.00%
10	8	1.935	1.935	0.00	0.00%	0.00%
20	9	1.935	1.935	0.00	0.00%	0.00%
20	10	1.935	1.935	0.00	0.00%	0.00%
20	11	1.935	1.935	0.00	0.00%	0.00%
20	12	1.935	1.935	0.00	0.00%	0.00%
20	13	1.935	1.935	0.00	0.00%	0.00%
30	14	1.935	1.935	0.00	0.00%	0.00%
30	15	1.935	1.935	0.00	0.00%	0.00%
30	16	1.935	1.935	0.00	0.00%	0.00%
30	17	1.935	1.935	0.00	0.00%	0.00%
30	18	1.935	1.935	0.00	0.00%	0.00%
31	19	1.935	1.935	0.00	0.00%	0.00%
31	20	1.935	1.935	0.00	0.00%	0.00%
31	21	1.935	1.935	0.00	0.00%	0.00%
31	22	1.935	1.935	0.00	0.00%	0.00%
31	23	1.935	1.935	0.00	0.00%	0.00%
31	24	1.935	1.935	0.00	0.00%	0.00%
31	25	1.935	1.935	0.00	0.00%	0.00%
31	26	1.935	1.935	0.00	0.00%	0.00%
31	27	1.935	1.935	0.00	0.00%	0.00%
31	28	1.935	1.935	0.00	0.00%	0.00%
31	29	1.935	1.935	0.00	0.00%	0.00%
31	30	1.935	1.935	0.00	0.00%	0.00%
31	31	1.935	1.935	0.00	0.00%	0.00%
31	32	1.935	1.935	0.00	0.00%	0.00%
31	33	1.935	1.935	0.00	0.00%	0.00%
31	34	1.935	1.935	0.00	0.00%	0.00%
31	35	1.935	1.935	0.00	0.00%	0.00%
31	36	1.936	1.935	0.00	-0.05%	0.11%
31	37	1.935	1.935	0.00	0.00%	0.00%
31	38	1.935	1.935	0.00	0.00%	0.00%
31	39	1.935	1.935	0.00	0.00%	0.00%
31	40	1.935	1.935	0.00	0.00%	0.00%
31	41	1.935	1.935	0.00	0.00%	0.00%
31	42	1.936	1.935	0.00	-0.05%	0.11%
50	43	1.935	1.935	0.00	0.00%	0.00%
50	44	1.936	1.935	0.00	-0.05%	0.11%
50	45	1.940	1.940	0.00	0.00%	0.00%
50	46	1.940	1.940	0.00	0.00%	0.00%
50	47	1.940	1.940	0.00	0.00%	0.00%
	Max	1.940	1.940	0.00	0.00%	0.11%
	Average	1.935	1.935	0.00	0.00%	0.01%
	Min	1.935	1.935	0.00	-0.05%	0.00%
	Std Dev	0.001	0.001	0.00	0.01%	0.03%



VOH_N2MA_2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	2.1	V
Min Limit	1.21	V

krad	0	10	20	30	31	50
LL	1.21	1.21	1.21	1.21	1.21	1.21
Min	1.94	1.94	1.94	1.94	1.94	1.94
Average	1.94	1.94	1.94	1.94	1.94	1.94
Max	1.94	1.94	1.94	1.94	1.94	1.94
UL	2.10	2.10	2.10	2.10	2.10	2.10

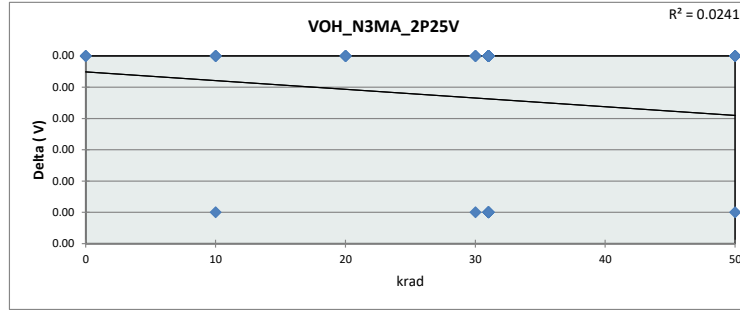


# TID Report

## SN54SC4T08-SEP

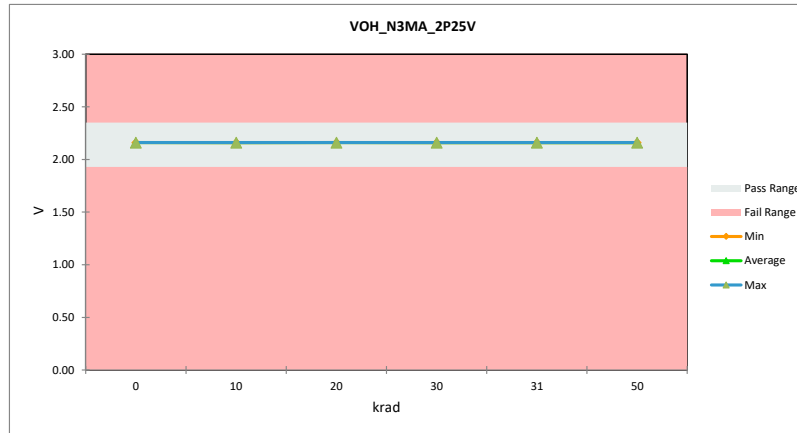
VOH_N3MA_2P25V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	2.35	2.35
Min Limit	1.93	1.93

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.161	2.161	0.00	0.00%	0.00%
0	2	2.161	2.161	0.00	0.00%	0.00%
0	3	2.161	2.161	0.00	0.00%	0.00%
10	4	2.161	2.161	0.00	0.00%	0.00%
10	5	2.161	2.161	0.00	0.00%	0.00%
10	6	2.161	2.161	0.00	0.00%	0.00%
10	7	2.161	2.161	0.00	0.00%	0.00%
10	8	2.161	2.160	0.00	-0.05%	0.24%
20	9	2.161	2.161	0.00	0.00%	0.00%
20	10	2.161	2.161	0.00	0.00%	0.00%
20	11	2.161	2.161	0.00	0.00%	0.00%
20	12	2.161	2.161	0.00	0.00%	0.00%
20	13	2.161	2.161	0.00	0.00%	0.00%
30	14	2.161	2.161	0.00	0.00%	0.00%
30	15	2.161	2.161	0.00	0.00%	0.00%
30	16	2.161	2.160	0.00	-0.05%	0.24%
30	17	2.161	2.161	0.00	0.00%	0.00%
30	18	2.160	2.160	0.00	0.00%	0.00%
31	19	2.161	2.161	0.00	0.00%	0.00%
31	20	2.161	2.160	0.00	-0.05%	0.24%
31	21	2.161	2.161	0.00	0.00%	0.00%
31	22	2.161	2.161	0.00	0.00%	0.00%
31	23	2.160	2.160	0.00	0.00%	0.00%
31	24	2.160	2.160	0.00	0.00%	0.00%
31	25	2.160	2.160	0.00	0.00%	0.00%
31	26	2.160	2.160	0.00	0.00%	0.00%
31	27	2.161	2.161	0.00	0.00%	0.00%
31	28	2.161	2.160	0.00	-0.05%	0.24%
31	29	2.160	2.160	0.00	0.00%	0.00%
31	30	2.161	2.160	0.00	-0.05%	0.24%
31	31	2.161	2.160	0.00	-0.05%	0.24%
31	32	2.160	2.160	0.00	0.00%	0.00%
31	33	2.161	2.160	0.00	-0.05%	0.24%
31	34	2.161	2.160	0.00	-0.05%	0.24%
31	35	2.160	2.160	0.00	0.00%	0.00%
31	36	2.161	2.160	0.00	-0.05%	0.24%
31	37	2.160	2.160	0.00	0.00%	0.00%
31	38	2.161	2.161	0.00	0.00%	0.00%
31	39	2.161	2.160	0.00	-0.05%	0.24%
31	40	2.161	2.160	0.00	-0.05%	0.24%
31	41	2.160	2.160	0.00	0.00%	0.00%
31	42	2.161	2.161	0.00	0.00%	0.00%
50	43	2.161	2.160	0.00	-0.05%	0.24%
50	44	2.161	2.161	0.00	0.00%	0.00%
50	45	2.160	2.160	0.00	0.00%	0.00%
50	46	2.160	2.160	0.00	0.00%	0.00%
50	47	2.160	2.160	0.00	0.00%	0.00%
	Max	2.161	2.161	0.00	0.00%	0.24%
	Average	2.161	2.160	0.00	-0.01%	0.06%
	Min	2.160	2.160	0.00	-0.05%	0.00%
	Std Dev	0.000	0.001	0.00	0.02%	0.10%



VOH_N3MA_2P25V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	2.35	V
Min Limit	1.93	V

	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

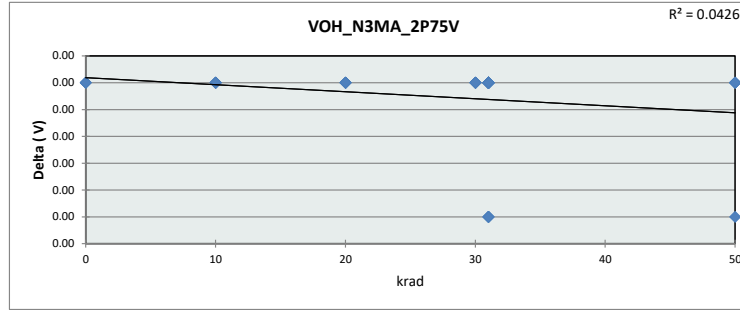


# TID Report

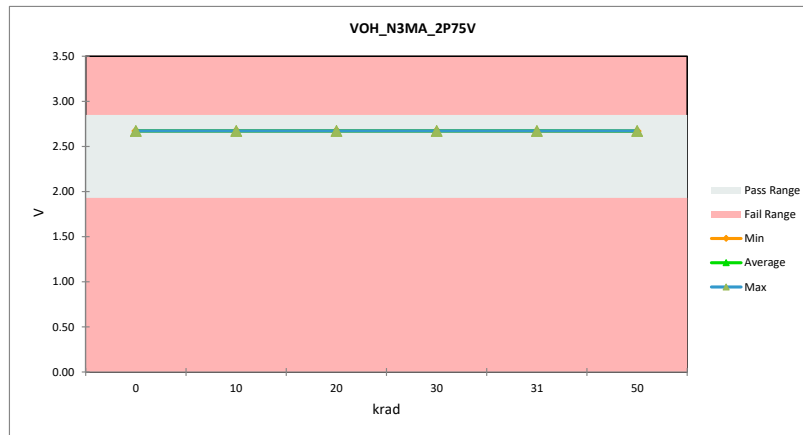
## SN54SC4T08-SEP

VOH_N3MA_2P75V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	2.85	2.85
Min Limit	1.93	1.93

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.672	2.672	0.00	0.00%	0.00%
0	2	2.672	2.672	0.00	0.00%	0.00%
0	3	2.672	2.672	0.00	0.00%	0.00%
10	4	2.672	2.672	0.00	0.00%	0.00%
10	5	2.672	2.672	0.00	0.00%	0.00%
10	6	2.672	2.672	0.00	0.00%	0.00%
10	7	2.672	2.672	0.00	0.00%	0.00%
10	8	2.672	2.672	0.00	0.00%	0.00%
20	9	2.672	2.672	0.00	0.00%	0.00%
20	10	2.672	2.672	0.00	0.00%	0.00%
20	11	2.672	2.672	0.00	0.00%	0.00%
20	12	2.672	2.672	0.00	0.00%	0.00%
20	13	2.672	2.672	0.00	0.00%	0.00%
30	14	2.672	2.672	0.00	0.00%	0.00%
30	15	2.672	2.672	0.00	0.00%	0.00%
30	16	2.672	2.672	0.00	0.00%	0.00%
30	17	2.672	2.672	0.00	0.00%	0.00%
30	18	2.672	2.672	0.00	0.00%	0.00%
31	19	2.672	2.672	0.00	0.00%	0.00%
31	20	2.672	2.672	0.00	0.00%	0.00%
31	21	2.672	2.672	0.00	0.00%	0.00%
31	22	2.672	2.672	0.00	0.00%	0.00%
31	23	2.672	2.672	0.00	0.00%	0.00%
31	24	2.672	2.671	0.00	-0.04%	0.11%
31	25	2.672	2.672	0.00	0.00%	0.00%
31	26	2.671	2.671	0.00	0.00%	0.00%
31	27	2.672	2.672	0.00	0.00%	0.00%
31	28	2.672	2.672	0.00	0.00%	0.00%
31	29	2.672	2.672	0.00	0.00%	0.00%
31	30	2.672	2.672	0.00	0.00%	0.00%
31	31	2.672	2.672	0.00	0.00%	0.00%
31	32	2.672	2.672	0.00	0.00%	0.00%
31	33	2.672	2.672	0.00	0.00%	0.00%
31	34	2.672	2.672	0.00	0.00%	0.00%
31	35	2.672	2.671	0.00	-0.04%	0.11%
31	36	2.672	2.672	0.00	0.00%	0.00%
31	37	2.672	2.671	0.00	-0.04%	0.11%
31	38	2.672	2.672	0.00	0.00%	0.00%
31	39	2.672	2.672	0.00	0.00%	0.00%
31	40	2.672	2.672	0.00	0.00%	0.00%
31	41	2.672	2.671	0.00	-0.04%	0.11%
31	42	2.672	2.672	0.00	0.00%	0.00%
50	43	2.672	2.672	0.00	0.00%	0.00%
50	44	2.673	2.672	0.00	-0.04%	0.11%
50	45	2.670	2.670	0.00	0.00%	0.00%
50	46	2.670	2.670	0.00	0.00%	0.00%
50	47	2.670	2.670	0.00	0.00%	0.00%
	Max	2.673	2.672	0.00	0.00%	0.11%
	Average	2.672	2.672	0.00	0.00%	0.01%
	Min	2.670	2.670	0.00	-0.04%	0.00%
	Std Dev	0.001	0.001	0.00	0.01%	0.03%



VOH_N3MA_2P75V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	2.85	V				
Min Limit	1.93	V				
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

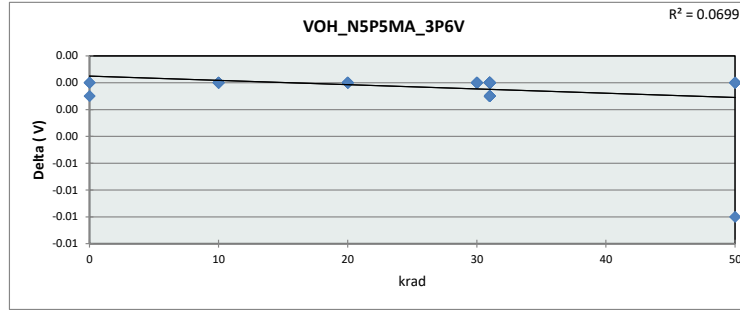


# TID Report

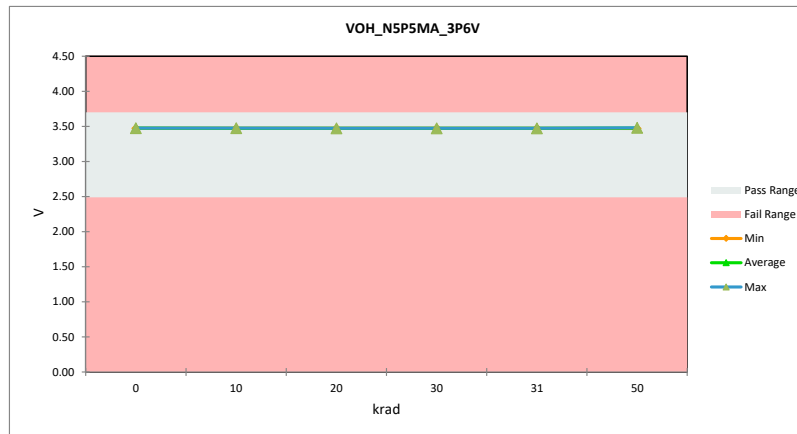
## SN54SC4T08-SEP

VOH_N5P5MA_3P6V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	3.7	3.7
Min Limit	2.49	2.49

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.475	3.474	0.00	-0.03%	0.08%
0	2	3.475	3.475	0.00	0.00%	0.00%
0	3	3.475	3.475	0.00	0.00%	0.00%
10	4	3.475	3.475	0.00	0.00%	0.00%
10	5	3.474	3.474	0.00	0.00%	0.00%
10	6	3.474	3.474	0.00	0.00%	0.00%
10	7	3.474	3.474	0.00	0.00%	0.00%
10	8	3.474	3.474	0.00	0.00%	0.00%
20	9	3.474	3.474	0.00	0.00%	0.00%
20	10	3.474	3.474	0.00	0.00%	0.00%
20	11	3.474	3.474	0.00	0.00%	0.00%
20	12	3.474	3.474	0.00	0.00%	0.00%
20	13	3.474	3.474	0.00	0.00%	0.00%
30	14	3.474	3.474	0.00	0.00%	0.00%
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	0.00%	0.00%
30	18	3.474	3.474	0.00	0.00%	0.00%
31	19	3.474	3.474	0.00	0.00%	0.00%
31	20	3.474	3.474	0.00	0.00%	0.00%
31	21	3.474	3.474	0.00	0.00%	0.00%
31	22	3.474	3.474	0.00	0.00%	0.00%
31	23	3.474	3.473	0.00	-0.03%	0.08%
31	24	3.474	3.473	0.00	-0.03%	0.08%
31	25	3.474	3.473	0.00	-0.03%	0.08%
31	26	3.473	3.473	0.00	0.00%	0.00%
31	27	3.474	3.474	0.00	0.00%	0.00%
31	28	3.474	3.474	0.00	0.00%	0.00%
31	29	3.474	3.474	0.00	0.00%	0.00%
31	30	3.474	3.474	0.00	0.00%	0.00%
31	31	3.474	3.474	0.00	0.00%	0.00%
31	32	3.474	3.473	0.00	-0.03%	0.08%
31	33	3.474	3.474	0.00	0.00%	0.00%
31	34	3.474	3.474	0.00	0.00%	0.00%
31	35	3.474	3.473	0.00	-0.03%	0.08%
31	36	3.474	3.474	0.00	0.00%	0.00%
31	37	3.473	3.473	0.00	0.00%	0.00%
31	38	3.474	3.474	0.00	0.00%	0.00%
31	39	3.474	3.474	0.00	0.00%	0.00%
31	40	3.474	3.474	0.00	0.00%	0.00%
31	41	3.474	3.473	0.00	-0.03%	0.08%
31	42	3.475	3.474	0.00	-0.03%	0.08%
50	43	3.474	3.474	0.00	0.00%	0.00%
50	44	3.475	3.475	0.00	0.00%	0.00%
50	45	3.480	3.480	0.00	0.00%	0.00%
50	46	3.480	3.480	0.00	0.00%	0.00%
50	47	3.480	3.470	-0.01	-0.29%	0.83%
	Max	3.480	3.480	0.00	0.00%	0.83%
	Average	3.474	3.474	0.00	-0.01%	0.03%
	Min	3.473	3.470	0.00	-0.29%	0.00%
	Std Dev	0.002	0.001	0.00	0.04%	0.12%



VOH_N5P5MA_3P6V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	3.7	V				
Min Limit	2.49	V				
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	3.48
Max	3.48	3.48	3.47	3.47	3.47	3.48
UL	3.70	3.70	3.70	3.70	3.70	3.70



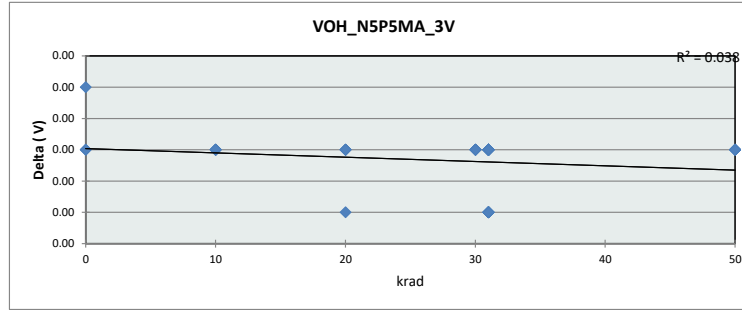


# TID Report

## SN54SC4T08-SEP

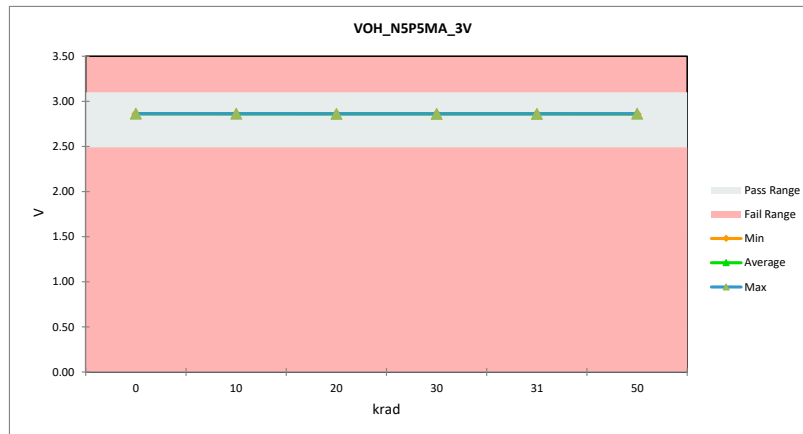
VOH_N5P5MA_3V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	3.1	3.1
Min Limit	2.49	2.49

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.863	2.863	0.00	0.00%	0.00%
0	2	2.862	2.862	0.00	0.00%	0.00%
0	3	2.862	2.863	0.00	0.03%	0.16%
10	4	2.863	2.863	0.00	0.00%	0.00%
10	5	2.862	2.862	0.00	0.00%	0.00%
10	6	2.862	2.862	0.00	0.00%	0.00%
10	7	2.862	2.862	0.00	0.00%	0.00%
10	8	2.862	2.862	0.00	0.00%	0.00%
20	9	2.862	2.862	0.00	0.00%	0.00%
20	10	2.862	2.862	0.00	0.00%	0.00%
20	11	2.862	2.862	0.00	0.00%	0.00%
20	12	2.862	2.862	0.00	0.00%	0.00%
20	13	2.863	2.862	0.00	-0.03%	0.16%
30	14	2.862	2.862	0.00	0.00%	0.00%
30	15	2.862	2.862	0.00	0.00%	0.00%
30	16	2.862	2.862	0.00	0.00%	0.00%
30	17	2.862	2.862	0.00	0.00%	0.00%
30	18	2.861	2.861	0.00	0.00%	0.00%
31	19	2.862	2.862	0.00	0.00%	0.00%
31	20	2.862	2.861	0.00	-0.03%	0.16%
31	21	2.862	2.862	0.00	0.00%	0.00%
31	22	2.862	2.862	0.00	0.00%	0.00%
31	23	2.861	2.861	0.00	0.00%	0.00%
31	24	2.862	2.861	0.00	-0.03%	0.16%
31	25	2.861	2.861	0.00	0.00%	0.00%
31	26	2.861	2.861	0.00	0.00%	0.00%
31	27	2.862	2.862	0.00	0.00%	0.00%
31	28	2.862	2.862	0.00	0.00%	0.00%
31	29	2.862	2.862	0.00	0.00%	0.00%
31	30	2.862	2.861	0.00	-0.03%	0.16%
31	31	2.862	2.861	0.00	-0.03%	0.16%
31	32	2.862	2.861	0.00	-0.03%	0.16%
31	33	2.862	2.861	0.00	-0.03%	0.16%
31	34	2.861	2.861	0.00	0.00%	0.00%
31	35	2.862	2.861	0.00	-0.03%	0.16%
31	36	2.862	2.862	0.00	0.00%	0.00%
31	37	2.861	2.861	0.00	0.00%	0.00%
31	38	2.862	2.862	0.00	0.00%	0.00%
31	39	2.862	2.862	0.00	0.00%	0.00%
31	40	2.862	2.862	0.00	0.00%	0.00%
31	41	2.862	2.861	0.00	-0.03%	0.16%
31	42	2.862	2.862	0.00	0.00%	0.00%
50	43	2.862	2.862	0.00	0.00%	0.00%
50	44	2.863	2.863	0.00	0.00%	0.00%
50	45	2.860	2.860	0.00	0.00%	0.00%
50	46	2.860	2.860	0.00	0.00%	0.00%
50	47	2.860	2.860	0.00	0.00%	0.00%
	Max	2.863	2.863	0.00	0.03%	0.16%
	Average	2.862	2.862	0.00	-0.01%	0.03%
	Min	2.860	2.860	0.00	-0.03%	0.00%
	Std Dev	0.001	0.001	0.00	0.02%	0.07%



VOH_N5P5MA_3V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	3.1	V
Min Limit	2.49	V

	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

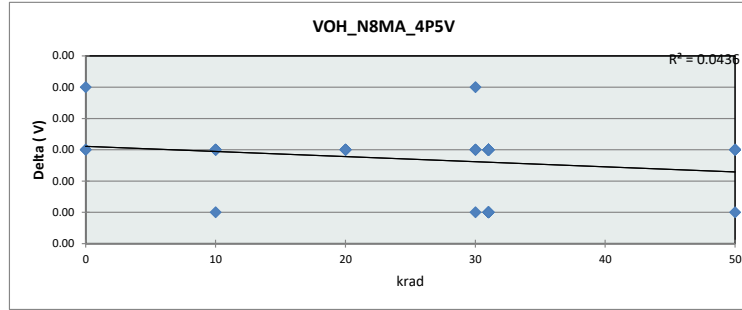


# TID Report

## SN54SC4T08-SEP

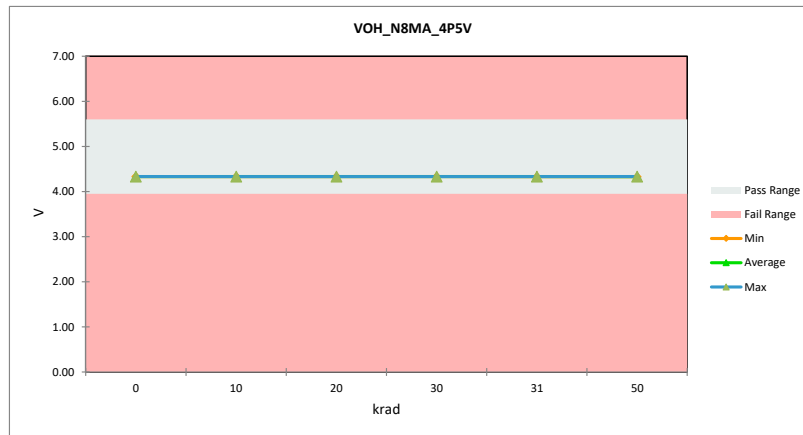
VOH_N8MA_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	5.6	5.6
Min Limit	3.95	3.95

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	4.332	4.332	0.00	0.00%	0.00%
0	2	4.332	4.332	0.00	0.00%	0.00%
0	3	4.332	4.333	0.00	0.02%	0.06%
10	4	4.333	4.332	0.00	-0.02%	0.06%
10	5	4.332	4.332	0.00	0.00%	0.00%
10	6	4.332	4.332	0.00	0.00%	0.00%
10	7	4.332	4.332	0.00	0.00%	0.00%
10	8	4.332	4.332	0.00	0.00%	0.00%
20	9	4.332	4.332	0.00	0.00%	0.00%
20	10	4.332	4.332	0.00	0.00%	0.00%
20	11	4.332	4.332	0.00	0.00%	0.00%
20	12	4.332	4.332	0.00	0.00%	0.00%
20	13	4.332	4.332	0.00	0.00%	0.00%
30	14	4.332	4.332	0.00	0.00%	0.00%
30	15	4.331	4.332	0.00	0.02%	0.06%
30	16	4.332	4.331	0.00	-0.02%	0.06%
30	17	4.332	4.332	0.00	0.00%	0.00%
30	18	4.331	4.331	0.00	0.00%	0.00%
31	19	4.332	4.332	0.00	0.00%	0.00%
31	20	4.331	4.331	0.00	0.00%	0.00%
31	21	4.332	4.332	0.00	0.00%	0.00%
31	22	4.332	4.332	0.00	0.00%	0.00%
31	23	4.331	4.331	0.00	0.00%	0.00%
31	24	4.331	4.331	0.00	0.00%	0.00%
31	25	4.331	4.331	0.00	0.00%	0.00%
31	26	4.331	4.330	0.00	-0.02%	0.06%
31	27	4.332	4.332	0.00	0.00%	0.00%
31	28	4.332	4.332	0.00	0.00%	0.00%
31	29	4.332	4.332	0.00	0.00%	0.00%
31	30	4.332	4.331	0.00	-0.02%	0.06%
31	31	4.332	4.331	0.00	-0.02%	0.06%
31	32	4.331	4.331	0.00	0.00%	0.00%
31	33	4.332	4.331	0.00	-0.02%	0.06%
31	34	4.331	4.331	0.00	0.00%	0.00%
31	35	4.332	4.331	0.00	-0.02%	0.06%
31	36	4.332	4.331	0.00	-0.02%	0.06%
31	37	4.331	4.331	0.00	0.00%	0.00%
31	38	4.332	4.332	0.00	0.00%	0.00%
31	39	4.332	4.332	0.00	0.00%	0.00%
31	40	4.332	4.332	0.00	0.00%	0.00%
31	41	4.332	4.331	0.00	-0.02%	0.06%
31	42	4.332	4.332	0.00	0.00%	0.00%
50	43	4.332	4.332	0.00	0.00%	0.00%
50	44	4.334	4.333	0.00	-0.02%	0.06%
50	45	4.330	4.330	0.00	0.00%	0.00%
50	46	4.330	4.330	0.00	0.00%	0.00%
50	47	4.330	4.330	0.00	0.00%	0.00%
	Max	4.334	4.333	0.00	0.02%	0.06%
	Average	4.332	4.332	0.00	0.00%	0.02%
	Min	4.330	4.330	0.00	-0.02%	0.00%
	Std Dev	0.001	0.001	0.00	0.01%	0.03%



VOH_N8MA_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	5.6	V
Min Limit	3.95	V

	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		5.60	5.60	5.60	5.60	5.60	5.60

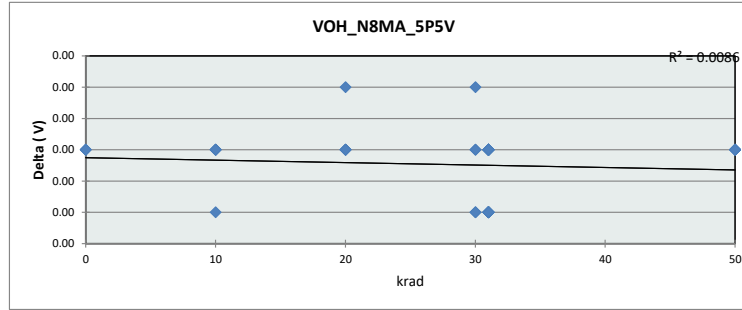


# TID Report

## SN54SC4T08-SEP

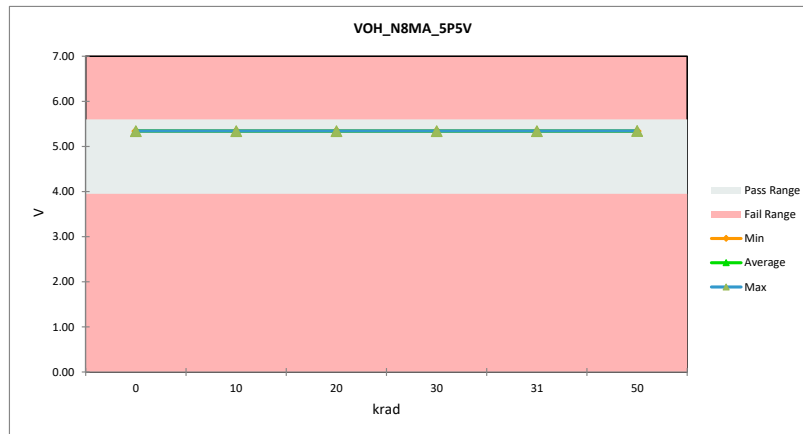
VOH_N8MA_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	5.6	5.6
Min Limit	3.95	3.95

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.343	5.343	0.00	0.00%	0.00%
0	2	5.343	5.343	0.00	0.00%	0.00%
0	3	5.343	5.343	0.00	0.00%	0.00%
10	4	5.343	5.343	0.00	0.00%	0.00%
10	5	5.343	5.343	0.00	0.00%	0.00%
10	6	5.343	5.342	0.00	-0.02%	0.06%
10	7	5.343	5.343	0.00	0.00%	0.00%
10	8	5.342	5.342	0.00	0.00%	0.00%
20	9	5.342	5.342	0.00	0.00%	0.00%
20	10	5.343	5.343	0.00	0.00%	0.00%
20	11	5.342	5.343	0.00	0.02%	0.06%
20	12	5.342	5.342	0.00	0.00%	0.00%
20	13	5.343	5.343	0.00	0.00%	0.00%
30	14	5.343	5.342	0.00	-0.02%	0.06%
30	15	5.342	5.343	0.00	0.02%	0.06%
30	16	5.343	5.342	0.00	-0.02%	0.06%
30	17	5.343	5.343	0.00	0.00%	0.00%
30	18	5.342	5.342	0.00	0.00%	0.00%
31	19	5.343	5.343	0.00	0.00%	0.00%
31	20	5.342	5.342	0.00	0.00%	0.00%
31	21	5.343	5.343	0.00	0.00%	0.00%
31	22	5.343	5.343	0.00	0.00%	0.00%
31	23	5.342	5.342	0.00	0.00%	0.00%
31	24	5.342	5.341	0.00	-0.02%	0.06%
31	25	5.342	5.342	0.00	0.00%	0.00%
31	26	5.342	5.341	0.00	-0.02%	0.06%
31	27	5.343	5.342	0.00	-0.02%	0.06%
31	28	5.343	5.343	0.00	0.00%	0.00%
31	29	5.343	5.342	0.00	-0.02%	0.06%
31	30	5.342	5.342	0.00	0.00%	0.00%
31	31	5.342	5.342	0.00	0.00%	0.00%
31	32	5.342	5.342	0.00	0.00%	0.00%
31	33	5.342	5.342	0.00	0.00%	0.00%
31	34	5.342	5.342	0.00	0.00%	0.00%
31	35	5.342	5.342	0.00	0.00%	0.00%
31	36	5.343	5.342	0.00	-0.02%	0.06%
31	37	5.342	5.341	0.00	-0.02%	0.06%
31	38	5.343	5.342	0.00	-0.02%	0.06%
31	39	5.343	5.342	0.00	-0.02%	0.06%
31	40	5.343	5.342	0.00	-0.02%	0.06%
31	41	5.342	5.342	0.00	0.00%	0.00%
31	42	5.343	5.342	0.00	-0.02%	0.06%
50	43	5.342	5.342	0.00	0.00%	0.00%
50	44	5.344	5.344	0.00	0.00%	0.00%
50	45	5.340	5.340	0.00	0.00%	0.00%
50	46	5.340	5.340	0.00	0.00%	0.00%
50	47	5.340	5.340	0.00	0.00%	0.00%
	Max	5.344	5.344	0.00	0.02%	0.06%
	Average	5.342	5.342	0.00	0.00%	0.02%
	Min	5.340	5.340	0.00	-0.02%	0.00%
	Std Dev	0.001	0.001	0.00	0.01%	0.03%



VOH_N8MA_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	5.6	V
Min Limit	3.95	V

	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

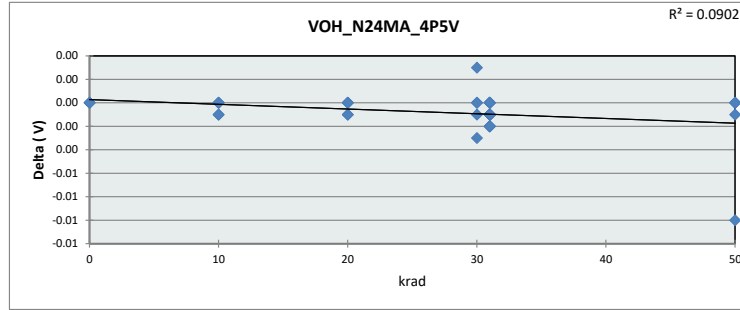


# TID Report

## SN54SC4T08-SEP

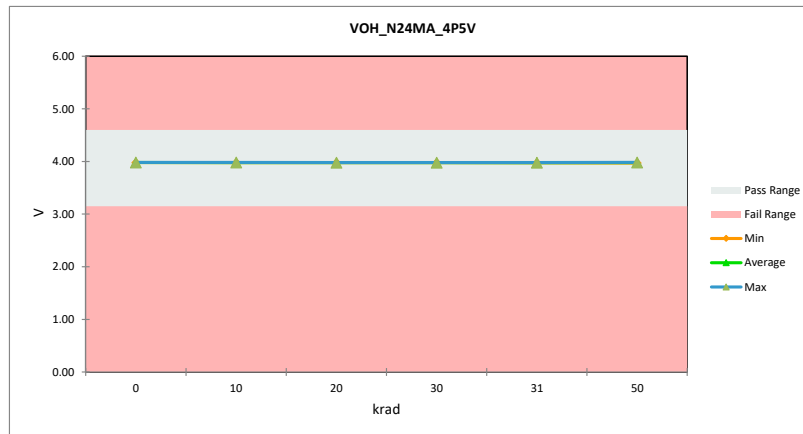
VOH_N24MA_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	4.6	4.6
Min Limit	3.15	3.15

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.981	3.981	0.00	0.00%	0.00%
0	2	3.980	3.980	0.00	0.00%	0.00%
0	3	3.981	3.981	0.00	0.00%	0.00%
10	4	3.982	3.981	0.00	-0.03%	0.07%
10	5	3.980	3.980	0.00	0.00%	0.00%
10	6	3.979	3.979	0.00	0.00%	0.00%
10	7	3.979	3.979	0.00	0.00%	0.00%
10	8	3.979	3.978	0.00	-0.03%	0.07%
20	9	3.978	3.978	0.00	0.00%	0.00%
20	10	3.979	3.979	0.00	0.00%	0.00%
20	11	3.979	3.978	0.00	-0.03%	0.07%
20	12	3.978	3.978	0.00	0.00%	0.00%
20	13	3.981	3.980	0.00	-0.03%	0.07%
30	14	3.979	3.979	0.00	0.00%	0.00%
30	15	3.977	3.980	0.00	0.08%	0.21%
30	16	3.980	3.977	0.00	-0.08%	0.21%
30	17	3.980	3.979	0.00	-0.03%	0.07%
30	18	3.977	3.977	0.00	0.00%	0.00%
31	19	3.979	3.979	0.00	0.00%	0.00%
31	20	3.977	3.977	0.00	0.00%	0.00%
31	21	3.980	3.980	0.00	0.00%	0.00%
31	22	3.980	3.980	0.00	0.00%	0.00%
31	23	3.977	3.976	0.00	-0.03%	0.07%
31	24	3.977	3.976	0.00	-0.03%	0.07%
31	25	3.977	3.976	0.00	-0.03%	0.07%
31	26	3.976	3.974	0.00	-0.05%	0.14%
31	27	3.979	3.979	0.00	0.00%	0.00%
31	28	3.980	3.979	0.00	-0.03%	0.07%
31	29	3.979	3.978	0.00	-0.03%	0.07%
31	30	3.979	3.977	0.00	-0.05%	0.14%
31	31	3.978	3.977	0.00	-0.03%	0.07%
31	32	3.978	3.977	0.00	-0.03%	0.07%
31	33	3.978	3.977	0.00	-0.03%	0.07%
31	34	3.977	3.977	0.00	0.00%	0.00%
31	35	3.978	3.976	0.00	-0.05%	0.14%
31	36	3.980	3.978	0.00	-0.05%	0.14%
31	37	3.976	3.975	0.00	-0.03%	0.07%
31	38	3.979	3.978	0.00	-0.03%	0.07%
31	39	3.979	3.978	0.00	-0.03%	0.07%
31	40	3.979	3.978	0.00	-0.03%	0.07%
31	41	3.977	3.976	0.00	-0.03%	0.07%
31	42	3.981	3.979	0.00	-0.05%	0.14%
50	43	3.979	3.979	0.00	0.00%	0.00%
50	44	3.984	3.983	0.00	-0.03%	0.07%
50	45	3.980	3.980	0.00	0.00%	0.00%
50	46	3.980	3.980	0.00	0.00%	0.00%
50	47	3.980	3.970	-0.01	-0.25%	0.69%
	Max	3.984	3.983	0.00	0.08%	0.69%
	Average	3.979	3.978	0.00	-0.02%	0.07%
	Min	3.976	3.970	-0.01	-0.25%	0.00%
	Std Dev	0.002	0.002	0.00	0.04%	0.11%



VOH_N24MA_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	4.6	V
Min Limit	3.15	V

	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	3.97
Average		3.98	3.98	3.98	3.98	3.98	3.98
Max		3.98	3.98	3.98	3.98	3.98	3.98
UL		4.60	4.60	4.60	4.60	4.60	4.60

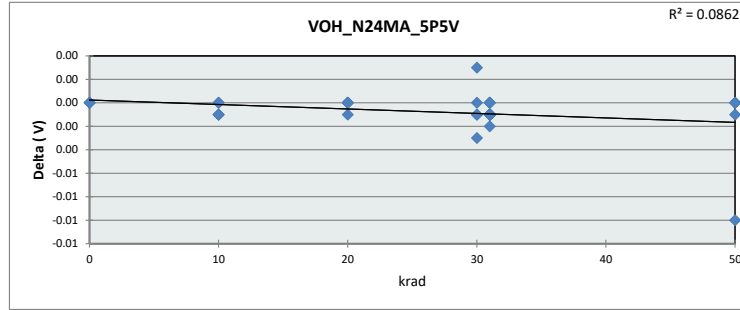


# TID Report

## SN54SC4T08-SEP

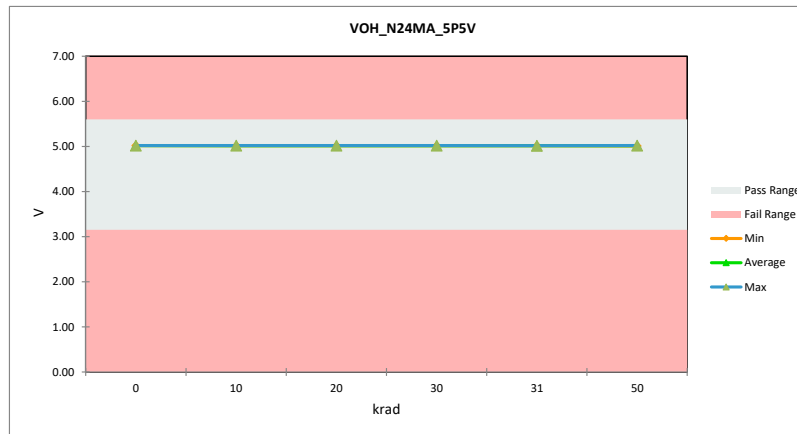
VOH_N24MA_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	5.6	5.6
Min Limit	3.15	3.15

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.019	5.019	0.00	0.00%	0.00%
0	2	5.019	5.019	0.00	0.00%	0.00%
0	3	5.019	5.019	0.00	0.00%	0.00%
10	4	5.020	5.019	0.00	-0.02%	0.04%
10	5	5.018	5.018	0.00	0.00%	0.00%
10	6	5.018	5.017	0.00	-0.02%	0.04%
10	7	5.018	5.018	0.00	0.00%	0.00%
10	8	5.018	5.017	0.00	-0.02%	0.04%
20	9	5.017	5.017	0.00	0.00%	0.00%
20	10	5.018	5.018	0.00	0.00%	0.00%
20	11	5.017	5.017	0.00	0.00%	0.00%
20	12	5.017	5.017	0.00	0.00%	0.00%
20	13	5.020	5.019	0.00	-0.02%	0.04%
30	14	5.018	5.017	0.00	-0.02%	0.04%
30	15	5.016	5.019	0.00	0.06%	0.12%
30	16	5.019	5.016	0.00	-0.06%	0.12%
30	17	5.019	5.018	0.00	-0.02%	0.04%
30	18	5.016	5.016	0.00	0.00%	0.00%
31	19	5.018	5.017	0.00	-0.02%	0.04%
31	20	5.016	5.016	0.00	0.00%	0.00%
31	21	5.019	5.018	0.00	-0.02%	0.04%
31	22	5.019	5.018	0.00	-0.02%	0.04%
31	23	5.016	5.015	0.00	-0.02%	0.04%
31	24	5.016	5.015	0.00	-0.02%	0.04%
31	25	5.016	5.015	0.00	-0.02%	0.04%
31	26	5.015	5.014	0.00	-0.02%	0.04%
31	27	5.018	5.018	0.00	0.00%	0.00%
31	28	5.018	5.018	0.00	0.00%	0.00%
31	29	5.018	5.017	0.00	-0.02%	0.04%
31	30	5.017	5.016	0.00	-0.02%	0.04%
31	31	5.017	5.016	0.00	-0.02%	0.04%
31	32	5.017	5.016	0.00	-0.02%	0.04%
31	33	5.017	5.016	0.00	-0.02%	0.04%
31	34	5.016	5.016	0.00	0.00%	0.00%
31	35	5.017	5.015	0.00	-0.04%	0.08%
31	36	5.018	5.017	0.00	-0.02%	0.04%
31	37	5.015	5.014	0.00	-0.02%	0.04%
31	38	5.018	5.017	0.00	-0.02%	0.04%
31	39	5.018	5.017	0.00	-0.02%	0.04%
31	40	5.018	5.017	0.00	-0.02%	0.04%
31	41	5.016	5.015	0.00	-0.02%	0.04%
31	42	5.019	5.018	0.00	-0.02%	0.04%
50	43	5.018	5.018	0.00	0.00%	0.00%
50	44	5.022	5.021	0.00	-0.02%	0.04%
50	45	5.020	5.020	0.00	0.00%	0.00%
50	46	5.020	5.020	0.00	0.00%	0.00%
50	47	5.020	5.010	-0.01	-0.20%	0.41%
	Max	5.022	5.021	0.00	0.06%	0.41%
	Average	5.018	5.017	0.00	-0.02%	0.04%
	Min	5.015	5.010	0.00	-0.20%	0.00%
	Std Dev	0.001	0.002	0.00	0.03%	0.06%



VOH_N24MA_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	5.6	V
Min Limit	3.15	V

	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	5.01	5.01
Average		5.02	5.02	5.02	5.02	5.02	5.02
Max		5.02	5.02	5.02	5.02	5.02	5.02
UL		5.60	5.60	5.60	5.60	5.60	5.60

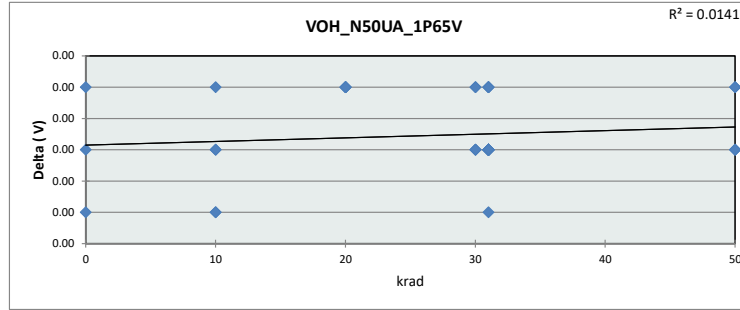


# TID Report

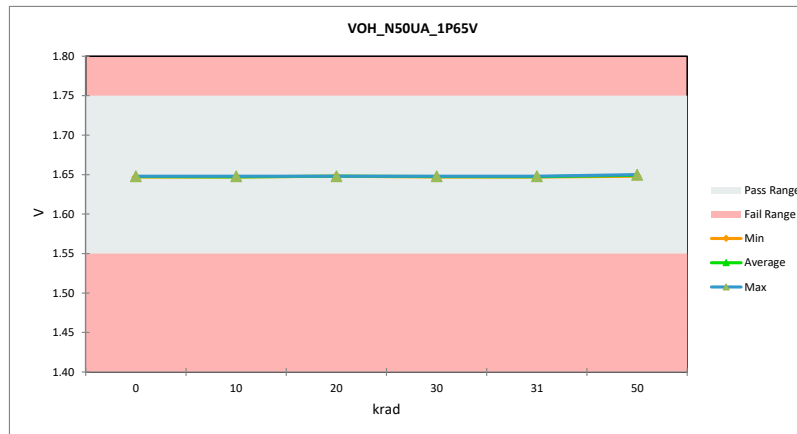
## SN54SC4T08-SEP

VOH_N50UA_1P65V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	1.75	1.75
Min Limit	1.55	1.55

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.647	1.648	0.00	0.06%	0.50%
0	2	1.648	1.648	0.00	0.00%	0.00%
0	3	1.648	1.647	0.00	-0.06%	0.50%
10	4	1.648	1.647	0.00	-0.06%	0.50%
10	5	1.647	1.648	0.00	0.06%	0.50%
10	6	1.648	1.647	0.00	-0.06%	0.50%
10	7	1.647	1.647	0.00	0.00%	0.00%
10	8	1.647	1.647	0.00	0.00%	0.00%
20	9	1.647	1.648	0.00	0.06%	0.50%
20	10	1.647	1.648	0.00	0.06%	0.50%
20	11	1.647	1.648	0.00	0.06%	0.50%
20	12	1.647	1.648	0.00	0.06%	0.50%
20	13	1.647	1.648	0.00	0.06%	0.50%
30	14	1.647	1.647	0.00	0.00%	0.00%
30	15	1.648	1.648	0.00	0.00%	0.00%
30	16	1.647	1.648	0.00	0.06%	0.50%
30	17	1.647	1.648	0.00	0.06%	0.50%
30	18	1.647	1.647	0.00	0.00%	0.00%
31	19	1.647	1.647	0.00	0.00%	0.00%
31	20	1.648	1.648	0.00	0.00%	0.00%
31	21	1.647	1.647	0.00	0.00%	0.00%
31	22	1.647	1.647	0.00	0.00%	0.00%
31	23	1.647	1.647	0.00	0.00%	0.00%
31	24	1.647	1.647	0.00	0.00%	0.00%
31	25	1.647	1.648	0.00	0.06%	0.50%
31	26	1.647	1.647	0.00	0.00%	0.00%
31	27	1.648	1.648	0.00	0.00%	0.00%
31	28	1.648	1.648	0.00	0.00%	0.00%
31	29	1.647	1.647	0.00	0.00%	0.00%
31	30	1.647	1.647	0.00	0.00%	0.00%
31	31	1.648	1.648	0.00	0.00%	0.00%
31	32	1.647	1.647	0.00	0.00%	0.00%
31	33	1.647	1.648	0.00	0.06%	0.50%
31	34	1.647	1.647	0.00	0.00%	0.00%
31	35	1.647	1.647	0.00	0.00%	0.00%
31	36	1.647	1.647	0.00	0.00%	0.00%
31	37	1.647	1.648	0.00	0.06%	0.50%
31	38	1.647	1.647	0.00	0.00%	0.00%
31	39	1.647	1.648	0.00	0.06%	0.50%
31	40	1.647	1.647	0.00	0.00%	0.00%
31	41	1.648	1.647	0.00	-0.06%	0.50%
31	42	1.648	1.648	0.00	0.00%	0.00%
50	43	1.647	1.648	0.00	0.06%	0.50%
50	44	1.647	1.648	0.00	0.06%	0.50%
50	45	1.650	1.650	0.00	0.00%	0.00%
50	46	1.650	1.650	0.00	0.00%	0.00%
50	47	1.650	1.650	0.00	0.00%	0.00%
Max		1.650	1.650	0.00	0.06%	0.50%
Average		1.647	1.648	0.00	0.01%	0.20%
Min		1.647	1.647	0.00	-0.06%	0.00%
Std Dev		0.001	0.001	0.00	0.04%	0.25%



VOH_N50UA_1P65V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	1.75	V				
Min Limit	1.55	V				
krad	0	10	20	30	31	50
LL	1.55	1.55	1.55	1.55	1.55	1.55
Min	1.65	1.65	1.65	1.65	1.65	1.65
Average	1.65	1.65	1.65	1.65	1.65	1.65
Max	1.65	1.65	1.65	1.65	1.65	1.65
UL	1.75	1.75	1.75	1.75	1.75	1.75

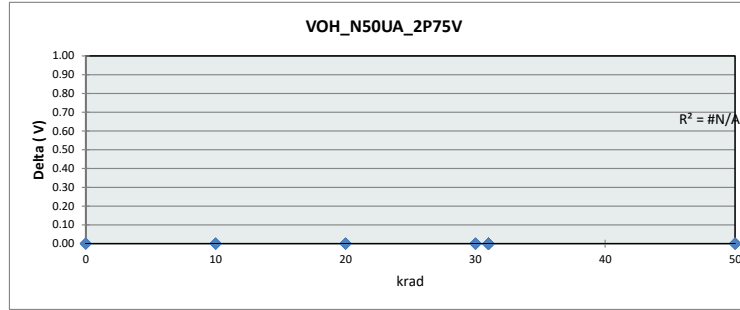


# TID Report

## SN54SC4T08-SEP

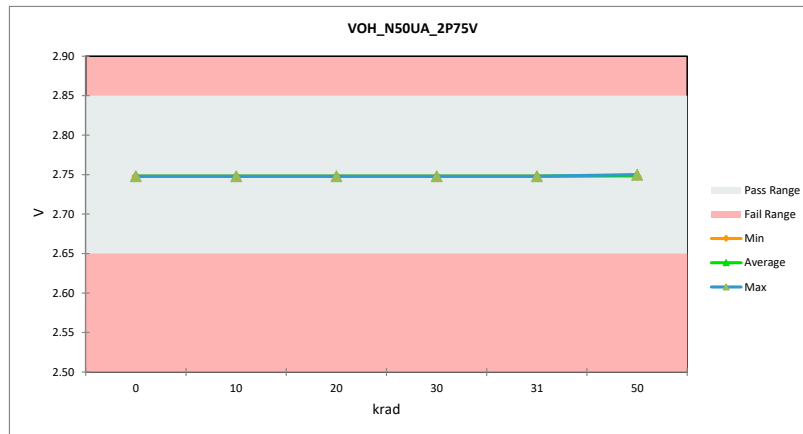
VOH_N50UA_2P75V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	2.85	2.85
Min Limit	2.65	2.65

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.748	2.748	0.00	0.00%	0.00%
0	2	2.748	2.748	0.00	0.00%	0.00%
0	3	2.748	2.748	0.00	0.00%	0.00%
10	4	2.748	2.748	0.00	0.00%	0.00%
10	5	2.748	2.748	0.00	0.00%	0.00%
10	6	2.748	2.748	0.00	0.00%	0.00%
10	7	2.748	2.748	0.00	0.00%	0.00%
10	8	2.748	2.748	0.00	0.00%	0.00%
20	9	2.748	2.748	0.00	0.00%	0.00%
20	10	2.748	2.748	0.00	0.00%	0.00%
20	11	2.748	2.748	0.00	0.00%	0.00%
20	12	2.748	2.748	0.00	0.00%	0.00%
20	13	2.748	2.748	0.00	0.00%	0.00%
30	14	2.748	2.748	0.00	0.00%	0.00%
30	15	2.748	2.748	0.00	0.00%	0.00%
30	16	2.748	2.748	0.00	0.00%	0.00%
30	17	2.748	2.748	0.00	0.00%	0.00%
30	18	2.748	2.748	0.00	0.00%	0.00%
31	19	2.748	2.748	0.00	0.00%	0.00%
31	20	2.748	2.748	0.00	0.00%	0.00%
31	21	2.748	2.748	0.00	0.00%	0.00%
31	22	2.748	2.748	0.00	0.00%	0.00%
31	23	2.748	2.748	0.00	0.00%	0.00%
31	24	2.748	2.748	0.00	0.00%	0.00%
31	25	2.748	2.748	0.00	0.00%	0.00%
31	26	2.748	2.748	0.00	0.00%	0.00%
31	27	2.748	2.748	0.00	0.00%	0.00%
31	28	2.748	2.748	0.00	0.00%	0.00%
31	29	2.748	2.748	0.00	0.00%	0.00%
31	30	2.748	2.748	0.00	0.00%	0.00%
31	31	2.748	2.748	0.00	0.00%	0.00%
31	32	2.748	2.748	0.00	0.00%	0.00%
31	33	2.748	2.748	0.00	0.00%	0.00%
31	34	2.748	2.748	0.00	0.00%	0.00%
31	35	2.748	2.748	0.00	0.00%	0.00%
31	36	2.748	2.748	0.00	0.00%	0.00%
31	37	2.748	2.748	0.00	0.00%	0.00%
31	38	2.748	2.748	0.00	0.00%	0.00%
31	39	2.748	2.748	0.00	0.00%	0.00%
31	40	2.748	2.748	0.00	0.00%	0.00%
31	41	2.748	2.748	0.00	0.00%	0.00%
31	42	2.748	2.748	0.00	0.00%	0.00%
50	43	2.750	2.750	0.00	0.00%	0.00%
50	44	2.750	2.750	0.00	0.00%	0.00%
50	45	2.750	2.750	0.00	0.00%	0.00%
50	46	2.750	2.750	0.00	0.00%	0.00%
50	47	2.750	2.750	0.00	0.00%	0.00%
	Max	2.750	2.750	0.00	0.00%	0.00%
	Average	2.748	2.748	0.00	0.00%	0.00%
	Min	2.748	2.748	0.00	0.00%	0.00%
	Std Dev	0.000	0.000	0.00	0.00%	0.00%



VOH_N50UA_2P75V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	2.85	V
Min Limit	2.65	V

krad	0	10	20	30	31	50
LL	2.65	2.65	2.65	2.65	2.65	2.65
Min	2.75	2.75	2.75	2.75	2.75	2.75
Average	2.75	2.75	2.75	2.75	2.75	2.75
Max	2.75	2.75	2.75	2.75	2.75	2.75
UL	2.85	2.85	2.85	2.85	2.85	2.85

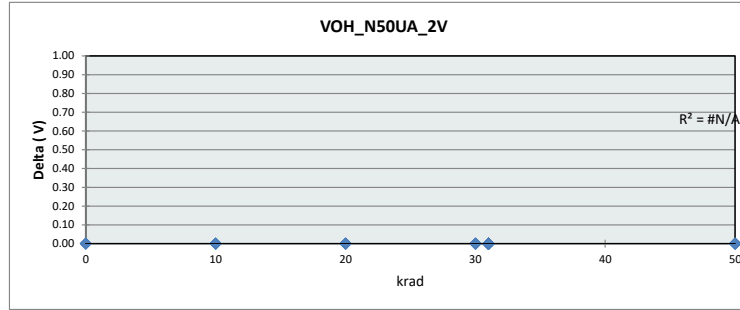


# TID Report

## SN54SC4T08-SEP

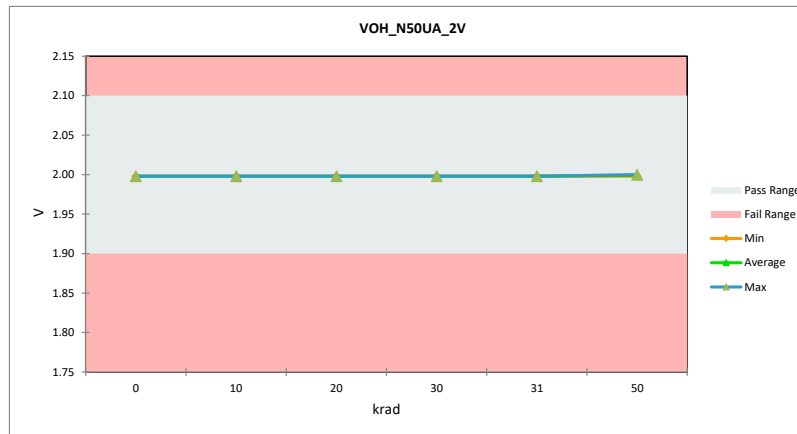
VOH_N50UA_2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	2.1	2.1
Min Limit	1.9	1.9

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1.998	1.998	0.00	0.00%	0.00%
0	2	1.998	1.998	0.00	0.00%	0.00%
0	3	1.998	1.998	0.00	0.00%	0.00%
10	4	1.998	1.998	0.00	0.00%	0.00%
10	5	1.998	1.998	0.00	0.00%	0.00%
10	6	1.998	1.998	0.00	0.00%	0.00%
10	7	1.998	1.998	0.00	0.00%	0.00%
10	8	1.998	1.998	0.00	0.00%	0.00%
20	9	1.998	1.998	0.00	0.00%	0.00%
20	10	1.998	1.998	0.00	0.00%	0.00%
20	11	1.998	1.998	0.00	0.00%	0.00%
20	12	1.998	1.998	0.00	0.00%	0.00%
20	13	1.998	1.998	0.00	0.00%	0.00%
30	14	1.998	1.998	0.00	0.00%	0.00%
30	15	1.998	1.998	0.00	0.00%	0.00%
30	16	1.998	1.998	0.00	0.00%	0.00%
30	17	1.998	1.998	0.00	0.00%	0.00%
30	18	1.998	1.998	0.00	0.00%	0.00%
31	19	1.998	1.998	0.00	0.00%	0.00%
31	20	1.998	1.998	0.00	0.00%	0.00%
31	21	1.998	1.998	0.00	0.00%	0.00%
31	22	1.998	1.998	0.00	0.00%	0.00%
31	23	1.998	1.998	0.00	0.00%	0.00%
31	24	1.998	1.998	0.00	0.00%	0.00%
31	25	1.998	1.998	0.00	0.00%	0.00%
31	26	1.998	1.998	0.00	0.00%	0.00%
31	27	1.998	1.998	0.00	0.00%	0.00%
31	28	1.998	1.998	0.00	0.00%	0.00%
31	29	1.998	1.998	0.00	0.00%	0.00%
31	30	1.998	1.998	0.00	0.00%	0.00%
31	31	1.998	1.998	0.00	0.00%	0.00%
31	32	1.998	1.998	0.00	0.00%	0.00%
31	33	1.998	1.998	0.00	0.00%	0.00%
31	34	1.998	1.998	0.00	0.00%	0.00%
31	35	1.998	1.998	0.00	0.00%	0.00%
31	36	1.998	1.998	0.00	0.00%	0.00%
31	37	1.998	1.998	0.00	0.00%	0.00%
31	38	1.998	1.998	0.00	0.00%	0.00%
31	39	1.998	1.998	0.00	0.00%	0.00%
31	40	1.998	1.998	0.00	0.00%	0.00%
31	41	1.998	1.998	0.00	0.00%	0.00%
31	42	1.998	1.998	0.00	0.00%	0.00%
50	43	1.998	1.998	0.00	0.00%	0.00%
50	44	1.998	1.998	0.00	0.00%	0.00%
50	45	2.000	2.000	0.00	0.00%	0.00%
50	46	2.000	2.000	0.00	0.00%	0.00%
50	47	2.000	2.000	0.00	0.00%	0.00%
	Max	2.000	2.000	0.00	0.00%	0.00%
	Average	1.998	1.998	0.00	0.00%	0.00%
	Min	1.998	1.998	0.00	0.00%	0.00%
	Std Dev	0.000	0.000	0.00	0.00%	0.00%



VOH_N50UA_2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	2.1	V
Min Limit	1.9	V

	0	10	20	30	31	50
LL	1.90	1.90	1.90	1.90	1.90	1.90
Min	2.00	2.00	2.00	2.00	2.00	2.00
Average	2.00	2.00	2.00	2.00	2.00	2.00
Max	2.00	2.00	2.00	2.00	2.00	2.00
UL	2.10	2.10	2.10	2.10	2.10	2.10



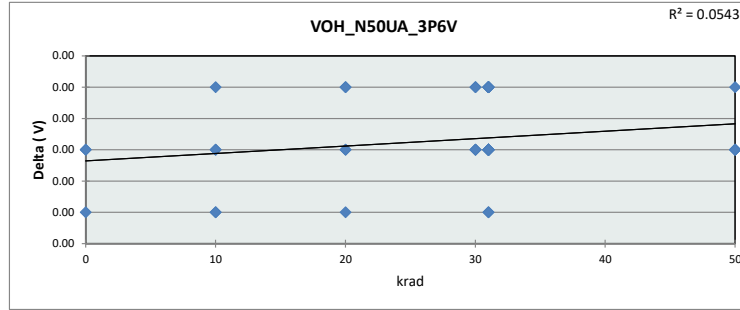


# TID Report

## SN54SC4T08-SEP

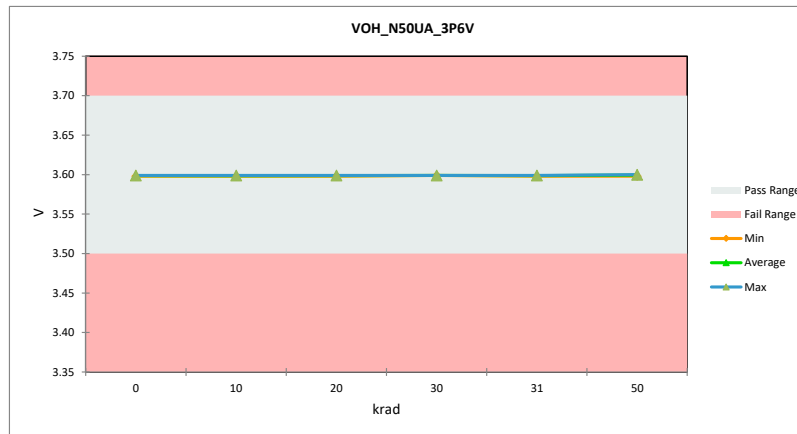
VOH_N50UA_3P6V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	3.7	3.7
Min Limit	3.5	3.5

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	3.599	3.598	0.00	-0.03%	0.50%
0	2	3.599	3.599	0.00	0.00%	0.00%
0	3	3.599	3.599	0.00	0.00%	0.00%
10	4	3.599	3.598	0.00	-0.03%	0.50%
10	5	3.599	3.599	0.00	0.00%	0.00%
10	6	3.599	3.598	0.00	-0.03%	0.50%
10	7	3.599	3.599	0.00	0.00%	0.00%
10	8	3.598	3.599	0.00	0.03%	0.50%
20	9	3.599	3.598	0.00	-0.03%	0.50%
20	10	3.598	3.599	0.00	0.03%	0.50%
20	11	3.599	3.599	0.00	0.00%	0.00%
20	12	3.599	3.599	0.00	0.00%	0.00%
20	13	3.598	3.599	0.00	0.03%	0.50%
30	14	3.598	3.599	0.00	0.03%	0.50%
30	15	3.599	3.599	0.00	0.00%	0.00%
30	16	3.598	3.599	0.00	0.03%	0.50%
30	17	3.599	3.599	0.00	0.00%	0.00%
30	18	3.599	3.599	0.00	0.00%	0.00%
31	19	3.598	3.599	0.00	0.03%	0.50%
31	20	3.599	3.598	0.00	-0.03%	0.50%
31	21	3.598	3.599	0.00	0.03%	0.50%
31	22	3.599	3.599	0.00	0.00%	0.00%
31	23	3.599	3.599	0.00	0.00%	0.00%
31	24	3.599	3.599	0.00	0.00%	0.00%
31	25	3.598	3.599	0.00	0.03%	0.50%
31	26	3.598	3.598	0.00	0.00%	0.00%
31	27	3.599	3.599	0.00	0.00%	0.00%
31	28	3.599	3.599	0.00	0.00%	0.00%
31	29	3.598	3.599	0.00	0.03%	0.50%
31	30	3.599	3.598	0.00	-0.03%	0.50%
31	31	3.599	3.599	0.00	0.00%	0.00%
31	32	3.598	3.599	0.00	0.03%	0.50%
31	33	3.599	3.599	0.00	0.00%	0.00%
31	34	3.599	3.599	0.00	0.00%	0.00%
31	35	3.598	3.599	0.00	0.03%	0.50%
31	36	3.599	3.599	0.00	0.00%	0.00%
31	37	3.599	3.599	0.00	0.00%	0.00%
31	38	3.598	3.599	0.00	0.03%	0.50%
31	39	3.599	3.599	0.00	0.00%	0.00%
31	40	3.599	3.599	0.00	0.00%	0.00%
31	41	3.599	3.599	0.00	0.00%	0.00%
31	42	3.599	3.599	0.00	0.00%	0.00%
50	43	3.598	3.598	0.00	0.00%	0.00%
50	44	3.598	3.599	0.00	0.03%	0.50%
50	45	3.600	3.600	0.00	0.00%	0.00%
50	46	3.600	3.600	0.00	0.00%	0.00%
50	47	3.600	3.600	0.00	0.00%	0.00%
	Max	3.600	3.600	0.00	0.03%	0.50%
	Average	3.599	3.599	0.00	0.00%	0.20%
	Min	3.598	3.598	0.00	-0.03%	0.00%
	Std Dev	0.001	0.000	0.00	0.02%	0.25%



VOH_N50UA_3P6V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	3.7	V
Min Limit	3.5	V

	0	10	20	30	31	50
LL	3.50	3.50	3.50	3.50	3.50	3.50
Min	3.60	3.60	3.60	3.60	3.60	3.60
Average	3.60	3.60	3.60	3.60	3.60	3.60
Max	3.60	3.60	3.60	3.60	3.60	3.60
UL	3.70	3.70	3.70	3.70	3.70	3.70

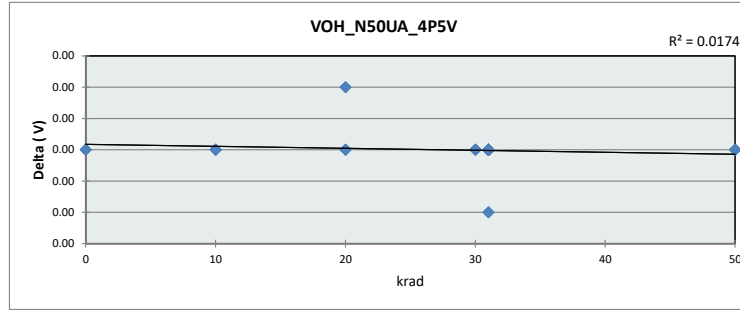


# TID Report

## SN54SC4T08-SEP

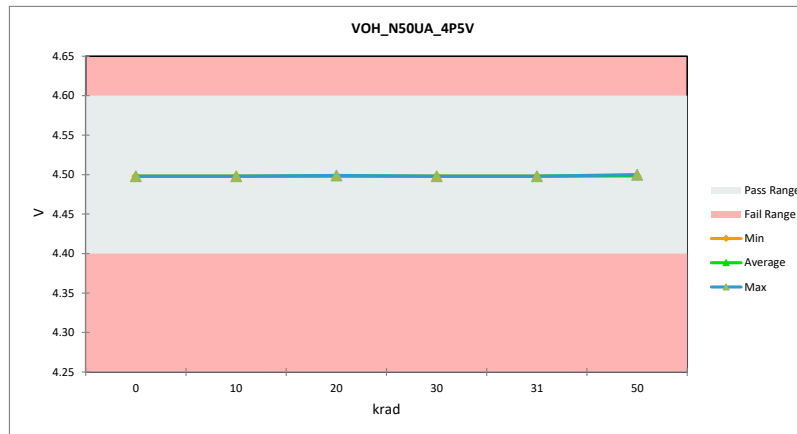
VOH_N50UA_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	4.6	4.6
Min Limit	4.4	4.4

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	4.498	4.498	0.00	0.00%	0.00%
0	2	4.498	4.498	0.00	0.00%	0.00%
0	3	4.498	4.498	0.00	0.00%	0.00%
10	4	4.498	4.498	0.00	0.00%	0.00%
10	5	4.498	4.498	0.00	0.00%	0.00%
10	6	4.498	4.498	0.00	0.00%	0.00%
10	7	4.498	4.498	0.00	0.00%	0.00%
10	8	4.498	4.498	0.00	0.00%	0.00%
20	9	4.498	4.499	0.00	0.02%	0.50%
20	10	4.498	4.499	0.00	0.02%	0.50%
20	11	4.498	4.498	0.00	0.00%	0.00%
20	12	4.498	4.498	0.00	0.00%	0.00%
20	13	4.498	4.498	0.00	0.00%	0.00%
30	14	4.498	4.498	0.00	0.00%	0.00%
30	15	4.498	4.498	0.00	0.00%	0.00%
30	16	4.498	4.498	0.00	0.00%	0.00%
30	17	4.498	4.498	0.00	0.00%	0.00%
30	18	4.498	4.498	0.00	0.00%	0.00%
31	19	4.498	4.498	0.00	0.00%	0.00%
31	20	4.498	4.498	0.00	0.00%	0.00%
31	21	4.498	4.498	0.00	0.00%	0.00%
31	22	4.498	4.498	0.00	0.00%	0.00%
31	23	4.498	4.498	0.00	0.00%	0.00%
31	24	4.498	4.498	0.00	0.00%	0.00%
31	25	4.498	4.498	0.00	0.00%	0.00%
31	26	4.498	4.498	0.00	0.00%	0.00%
31	27	4.499	4.498	0.00	-0.02%	0.50%
31	28	4.498	4.498	0.00	0.00%	0.00%
31	29	4.498	4.498	0.00	0.00%	0.00%
31	30	4.498	4.498	0.00	0.00%	0.00%
31	31	4.498	4.498	0.00	0.00%	0.00%
31	32	4.498	4.498	0.00	0.00%	0.00%
31	33	4.498	4.498	0.00	0.00%	0.00%
31	34	4.498	4.498	0.00	0.00%	0.00%
31	35	4.498	4.498	0.00	0.00%	0.00%
31	36	4.498	4.498	0.00	0.00%	0.00%
31	37	4.498	4.498	0.00	0.00%	0.00%
31	38	4.498	4.498	0.00	0.00%	0.00%
31	39	4.498	4.498	0.00	0.00%	0.00%
31	40	4.498	4.498	0.00	0.00%	0.00%
31	41	4.498	4.498	0.00	0.00%	0.00%
31	42	4.499	4.498	0.00	-0.02%	0.50%
50	43	4.498	4.498	0.00	0.00%	0.00%
50	44	4.498	4.498	0.00	0.00%	0.00%
50	45	4.500	4.500	0.00	0.00%	0.00%
50	46	4.500	4.500	0.00	0.00%	0.00%
50	47	4.500	4.500	0.00	0.00%	0.00%
	Max	4.500	4.500	0.00	0.02%	0.50%
	Average	4.498	4.498	0.00	0.00%	0.04%
	Min	4.498	4.498	0.00	-0.02%	0.00%
	Std Dev	0.001	0.001	0.00	0.01%	0.14%



VOH_N50UA_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	4.6	V
Min Limit	4.4	V

krad	0	10	20	30	31	50
LL	4.40	4.40	4.40	4.40	4.40	4.40
Min	4.50	4.50	4.50	4.50	4.50	4.50
Average	4.50	4.50	4.50	4.50	4.50	4.50
Max	4.50	4.50	4.50	4.50	4.50	4.50
UL	4.60	4.60	4.60	4.60	4.60	4.60

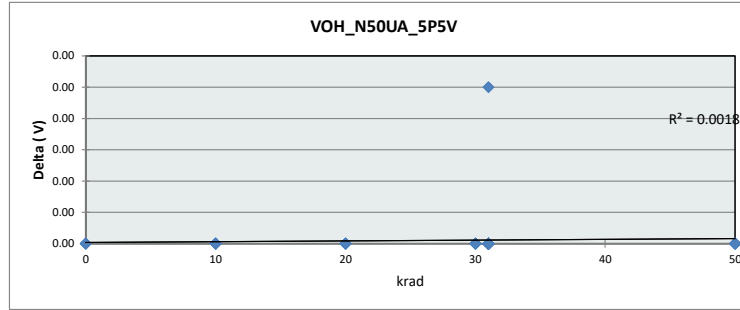


# TID Report

## SN54SC4T08-SEP

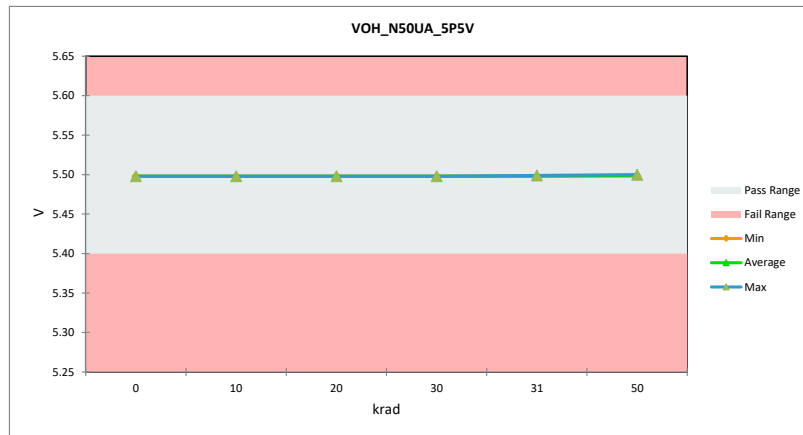
VOH_N50UA_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	5.6	5.6
Min Limit	5.4	5.4

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	5.498	5.498	0.00	0.00%	0.00%
0	2	5.498	5.498	0.00	0.00%	0.00%
0	3	5.498	5.498	0.00	0.00%	0.00%
10	4	5.498	5.498	0.00	0.00%	0.00%
10	5	5.498	5.498	0.00	0.00%	0.00%
10	6	5.498	5.498	0.00	0.00%	0.00%
10	7	5.498	5.498	0.00	0.00%	0.00%
10	8	5.498	5.498	0.00	0.00%	0.00%
20	9	5.498	5.498	0.00	0.00%	0.00%
20	10	5.498	5.498	0.00	0.00%	0.00%
20	11	5.498	5.498	0.00	0.00%	0.00%
20	12	5.498	5.498	0.00	0.00%	0.00%
20	13	5.498	5.498	0.00	0.00%	0.00%
30	14	5.498	5.498	0.00	0.00%	0.00%
30	15	5.498	5.498	0.00	0.00%	0.00%
30	16	5.498	5.498	0.00	0.00%	0.00%
30	17	5.498	5.498	0.00	0.00%	0.00%
30	18	5.498	5.498	0.00	0.00%	0.00%
31	19	5.498	5.498	0.00	0.00%	0.00%
31	20	5.498	5.498	0.00	0.00%	0.00%
31	21	5.498	5.498	0.00	0.00%	0.00%
31	22	5.498	5.498	0.00	0.00%	0.00%
31	23	5.498	5.498	0.00	0.00%	0.00%
31	24	5.498	5.498	0.00	0.00%	0.00%
31	25	5.498	5.498	0.00	0.00%	0.00%
31	26	5.498	5.498	0.00	0.00%	0.00%
31	27	5.498	5.498	0.00	0.00%	0.00%
31	28	5.498	5.498	0.00	0.00%	0.00%
31	29	5.498	5.498	0.00	0.00%	0.00%
31	30	5.498	5.498	0.00	0.00%	0.00%
31	31	5.498	5.498	0.00	0.00%	0.00%
31	32	5.498	5.498	0.00	0.00%	0.00%
31	33	5.498	5.498	0.00	0.00%	0.00%
31	34	5.498	5.498	0.00	0.00%	0.00%
31	35	5.498	5.498	0.00	0.00%	0.00%
31	36	5.498	5.498	0.00	0.00%	0.00%
31	37	5.498	5.498	0.00	0.00%	0.00%
31	38	5.498	5.498	0.00	0.00%	0.00%
31	39	5.498	5.499	0.00	0.02%	0.50%
31	40	5.498	5.498	0.00	0.00%	0.00%
31	41	5.498	5.498	0.00	0.00%	0.00%
31	42	5.498	5.498	0.00	0.00%	0.00%
50	43	5.498	5.498	0.00	0.00%	0.00%
50	44	5.498	5.498	0.00	0.00%	0.00%
50	45	5.500	5.500	0.00	0.00%	0.00%
50	46	5.500	5.500	0.00	0.00%	0.00%
50	47	5.500	5.500	0.00	0.00%	0.00%
	Max	5.500	5.500	0.00	0.02%	0.50%
	Average	5.498	5.498	0.00	0.00%	0.01%
	Min	5.498	5.498	0.00	0.00%	0.00%
	Std Dev	0.000	0.001	0.00	0.00%	0.07%



VOH_N50UA_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	5.6	V
Min Limit	5.4	V

krad	0	10	20	30	31	50
LL	5.40	5.40	5.40	5.40	5.40	5.40
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

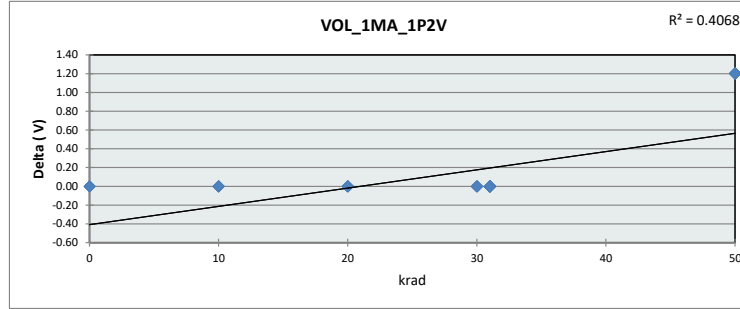


# TID Report

## SN54SC4T08-SEP

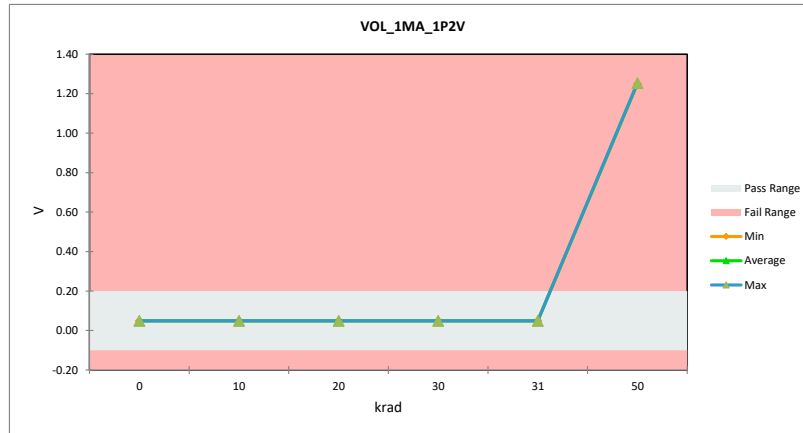
VOL_1MA_1P2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.2	0.2
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.049	0.049	0.00	0.00%	0.00%
0	2	0.049	0.049	0.00	0.00%	0.00%
0	3	0.049	0.049	0.00	0.00%	0.00%
10	4	0.049	0.049	0.00	0.00%	0.00%
10	5	0.049	0.049	0.00	0.00%	0.00%
10	6	0.049	0.049	0.00	0.00%	0.00%
10	7	0.049	0.049	0.00	0.00%	0.00%
10	8	0.049	0.049	0.00	0.00%	0.00%
20	9	0.049	0.049	0.00	0.00%	0.00%
20	10	0.049	0.049	0.00	0.00%	0.00%
20	11	0.049	0.049	0.00	0.00%	0.00%
20	12	0.049	0.049	0.00	0.00%	0.00%
20	13	0.049	0.049	0.00	0.00%	0.00%
30	14	0.049	0.049	0.00	0.00%	0.00%
30	15	0.049	0.049	0.00	0.00%	0.00%
30	16	0.049	0.049	0.00	0.00%	0.00%
30	17	0.049	0.049	0.00	0.00%	0.00%
30	18	0.050	0.049	0.00	-2.00%	0.33%
31	19	0.049	0.049	0.00	0.00%	0.00%
31	20	0.049	0.049	0.00	0.00%	0.00%
31	21	0.049	0.049	0.00	0.00%	0.00%
31	22	0.049	0.049	0.00	0.00%	0.00%
31	23	0.050	0.049	0.00	-2.00%	0.33%
31	24	0.049	0.049	0.00	0.00%	0.00%
31	25	0.050	0.049	0.00	-2.00%	0.33%
31	26	0.050	0.049	0.00	-2.00%	0.33%
31	27	0.049	0.049	0.00	0.00%	0.00%
31	28	0.049	0.049	0.00	0.00%	0.00%
31	29	0.049	0.049	0.00	0.00%	0.00%
31	30	0.050	0.049	0.00	-2.00%	0.33%
31	31	0.049	0.049	0.00	0.00%	0.00%
31	32	0.049	0.049	0.00	0.00%	0.00%
31	33	0.050	0.049	0.00	-2.00%	0.33%
31	34	0.050	0.049	0.00	-2.00%	0.33%
31	35	0.049	0.049	0.00	0.00%	0.00%
31	36	0.049	0.049	0.00	0.00%	0.00%
31	37	0.049	0.049	0.00	0.00%	0.00%
31	38	0.049	0.049	0.00	0.00%	0.00%
31	39	0.049	0.049	0.00	0.00%	0.00%
31	40	0.049	0.049	0.00	0.00%	0.00%
31	41	0.050	0.049	0.00	-2.00%	0.33%
31	42	0.049	0.049	0.00	0.00%	0.00%
50	43	0.049	1.254	1.21	2459.18%	401.67%
50	44	0.049	1.254	1.21	2459.18%	401.67%
50	45	0.050	1.250	1.20	2400.00%	400.00%
50	46	0.050	1.250	1.20	2400.00%	400.00%
50	47	0.050	1.250	1.20	2400.00%	400.00%
	Max	0.050	1.254	1.20	2459.18%	401.67%
	Average	0.049	0.177	0.13	257.50%	42.68%
	Min	0.049	0.049	0.00	-2.00%	0.00%
	Std Dev	0.000	0.375	0.37	755.54%	124.85%



VOL_1MA_1P2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	0.2	V
Min Limit	-0.1	V

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	1.25
Average	0.05	0.05	0.05	0.05	0.05	1.25
Max	0.05	0.05	0.05	0.05	0.05	1.25
UL	0.20	0.20	0.20	0.20	0.20	0.20

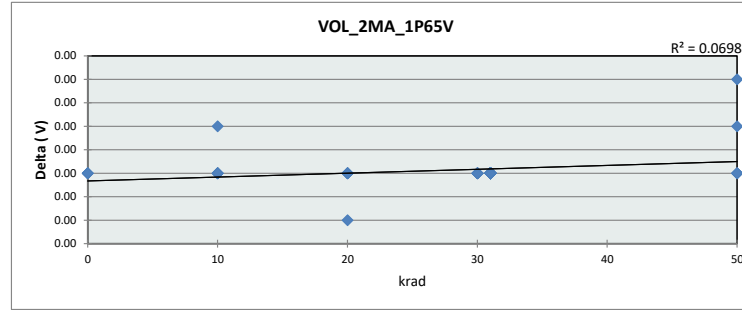


# TID Report

## SN54SC4T08-SEP

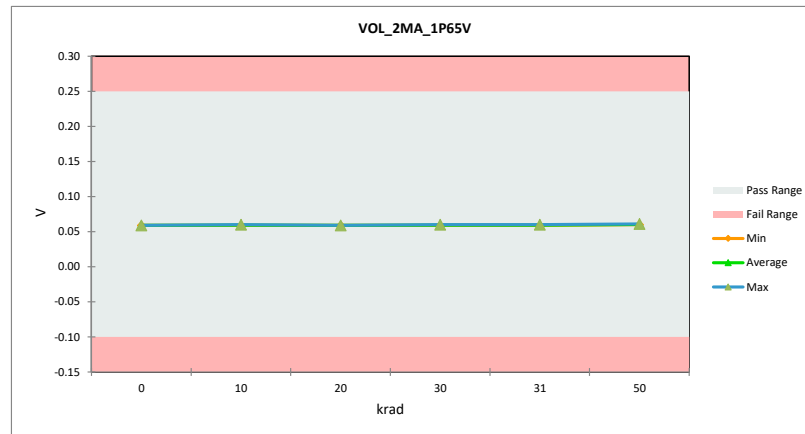
VOL_2MA_1P65V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.25	0.25
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.059	0.059	0.00	0.00%	0.00%
0	2	0.059	0.059	0.00	0.00%	0.00%
0	3	0.059	0.059	0.00	0.00%	0.00%
10	4	0.059	0.059	0.00	0.00%	0.00%
10	5	0.059	0.059	0.00	0.00%	0.00%
10	6	0.059	0.060	0.00	1.69%	0.29%
10	7	0.059	0.059	0.00	0.00%	0.00%
10	8	0.059	0.059	0.00	0.00%	0.00%
20	9	0.059	0.059	0.00	0.00%	0.00%
20	10	0.059	0.059	0.00	0.00%	0.00%
20	11	0.059	0.059	0.00	0.00%	0.00%
20	12	0.060	0.059	0.00	-1.67%	0.29%
20	13	0.059	0.059	0.00	0.00%	0.00%
30	14	0.059	0.059	0.00	0.00%	0.00%
30	15	0.059	0.059	0.00	0.00%	0.00%
30	16	0.059	0.059	0.00	0.00%	0.00%
30	17	0.059	0.059	0.00	0.00%	0.00%
30	18	0.060	0.060	0.00	0.00%	0.00%
31	19	0.059	0.059	0.00	0.00%	0.00%
31	20	0.059	0.059	0.00	0.00%	0.00%
31	21	0.059	0.059	0.00	0.00%	0.00%
31	22	0.059	0.059	0.00	0.00%	0.00%
31	23	0.060	0.060	0.00	0.00%	0.00%
31	24	0.059	0.059	0.00	0.00%	0.00%
31	25	0.060	0.060	0.00	0.00%	0.00%
31	26	0.060	0.060	0.00	0.00%	0.00%
31	27	0.059	0.059	0.00	0.00%	0.00%
31	28	0.059	0.059	0.00	0.00%	0.00%
31	29	0.059	0.059	0.00	0.00%	0.00%
31	30	0.060	0.060	0.00	0.00%	0.00%
31	31	0.059	0.059	0.00	0.00%	0.00%
31	32	0.059	0.059	0.00	0.00%	0.00%
31	33	0.060	0.060	0.00	0.00%	0.00%
31	34	0.060	0.060	0.00	0.00%	0.00%
31	35	0.059	0.059	0.00	0.00%	0.00%
31	36	0.059	0.059	0.00	0.00%	0.00%
31	37	0.060	0.060	0.00	0.00%	0.00%
31	38	0.059	0.059	0.00	0.00%	0.00%
31	39	0.059	0.059	0.00	0.00%	0.00%
31	40	0.059	0.059	0.00	0.00%	0.00%
31	41	0.060	0.060	0.00	0.00%	0.00%
31	42	0.059	0.059	0.00	0.00%	0.00%
50	43	0.059	0.061	0.00	3.39%	0.57%
50	44	0.059	0.060	0.00	1.69%	0.29%
50	45	0.060	0.060	0.00	0.00%	0.00%
50	46	0.060	0.060	0.00	0.00%	0.00%
50	47	0.060	0.060	0.00	0.00%	0.00%
	Max	0.060	0.061	0.00	3.39%	0.57%
	Average	0.059	0.059	0.00	0.11%	0.03%
	Min	0.059	0.059	0.00	-1.67%	0.00%
	Std Dev	0.000	0.001	0.00	0.65%	0.11%



VOL_2MA_1P65V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	0.25	V
Min Limit	-0.1	V

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	0.25	0.25	0.25	0.25	0.25	0.25

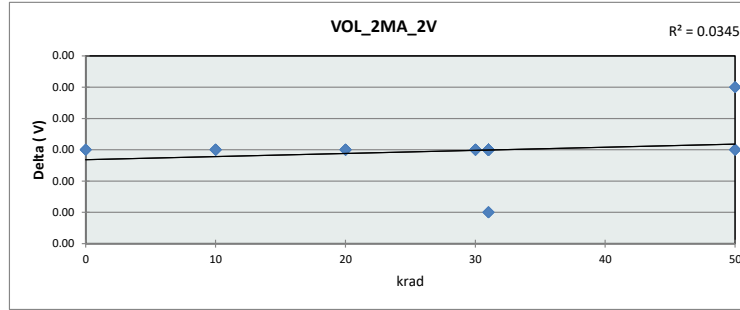


# TID Report

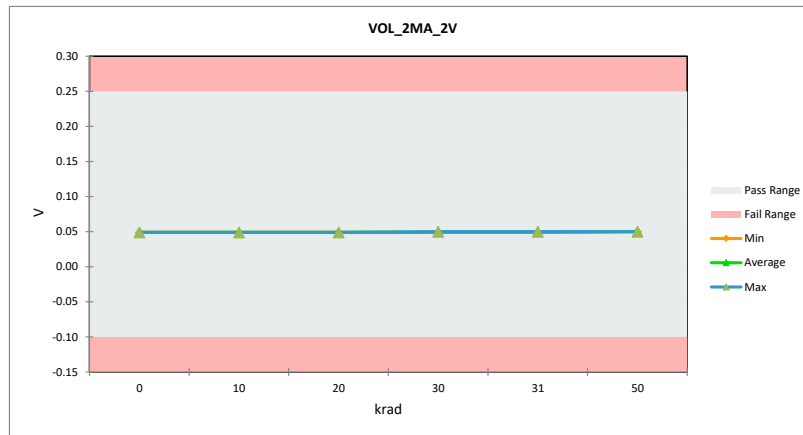
## SN54SC4T08-SEP

VOL_2MA_2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.25	0.25
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.049	0.049	0.00	0.00%	0.00%
0	2	0.049	0.049	0.00	0.00%	0.00%
0	3	0.049	0.049	0.00	0.00%	0.00%
10	4	0.049	0.049	0.00	0.00%	0.00%
10	5	0.049	0.049	0.00	0.00%	0.00%
10	6	0.049	0.049	0.00	0.00%	0.00%
10	7	0.049	0.049	0.00	0.00%	0.00%
10	8	0.049	0.049	0.00	0.00%	0.00%
20	9	0.049	0.049	0.00	0.00%	0.00%
20	10	0.049	0.049	0.00	0.00%	0.00%
20	11	0.049	0.049	0.00	0.00%	0.00%
20	12	0.049	0.049	0.00	0.00%	0.00%
20	13	0.049	0.049	0.00	0.00%	0.00%
30	14	0.049	0.049	0.00	0.00%	0.00%
30	15	0.049	0.049	0.00	0.00%	0.00%
30	16	0.049	0.049	0.00	0.00%	0.00%
30	17	0.049	0.049	0.00	0.00%	0.00%
30	18	0.050	0.050	0.00	0.00%	0.00%
31	19	0.049	0.049	0.00	0.00%	0.00%
31	20	0.049	0.049	0.00	0.00%	0.00%
31	21	0.049	0.049	0.00	0.00%	0.00%
31	22	0.049	0.049	0.00	0.00%	0.00%
31	23	0.050	0.050	0.00	0.00%	0.00%
31	24	0.049	0.049	0.00	0.00%	0.00%
31	25	0.050	0.049	0.00	-2.00%	0.29%
31	26	0.050	0.050	0.00	0.00%	0.00%
31	27	0.049	0.049	0.00	0.00%	0.00%
31	28	0.049	0.049	0.00	0.00%	0.00%
31	29	0.049	0.049	0.00	0.00%	0.00%
31	30	0.049	0.049	0.00	0.00%	0.00%
31	31	0.049	0.049	0.00	0.00%	0.00%
31	32	0.049	0.049	0.00	0.00%	0.00%
31	33	0.050	0.050	0.00	0.00%	0.00%
31	34	0.050	0.049	0.00	-2.00%	0.29%
31	35	0.049	0.049	0.00	0.00%	0.00%
31	36	0.049	0.049	0.00	0.00%	0.00%
31	37	0.050	0.049	0.00	-2.00%	0.29%
31	38	0.049	0.049	0.00	0.00%	0.00%
31	39	0.049	0.049	0.00	0.00%	0.00%
31	40	0.049	0.049	0.00	0.00%	0.00%
31	41	0.049	0.049	0.00	0.00%	0.00%
31	42	0.049	0.049	0.00	0.00%	0.00%
50	43	0.049	0.050	0.00	2.04%	0.29%
50	44	0.049	0.050	0.00	2.04%	0.29%
50	45	0.050	0.050	0.00	0.00%	0.00%
50	46	0.050	0.050	0.00	0.00%	0.00%
50	47	0.050	0.050	0.00	0.00%	0.00%
	Max	0.050	0.050	0.00	2.04%	0.29%
	Average	0.049	0.049	0.00	-0.04%	0.03%
	Min	0.049	0.049	0.00	-2.00%	0.00%
	Std Dev	0.000	0.000	0.00	0.66%	0.09%



VOL_2MA_2V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	0.25	V				
Min Limit	-0.1	V				
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

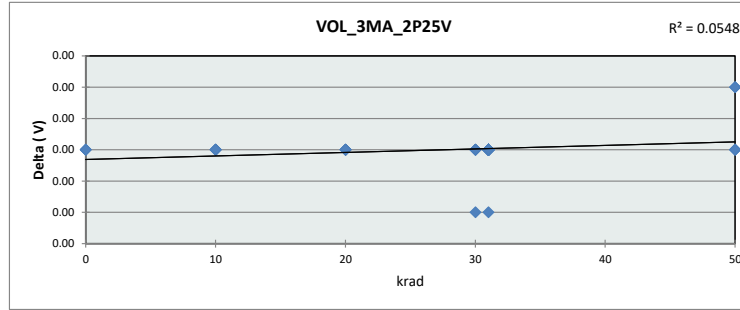


# TID Report

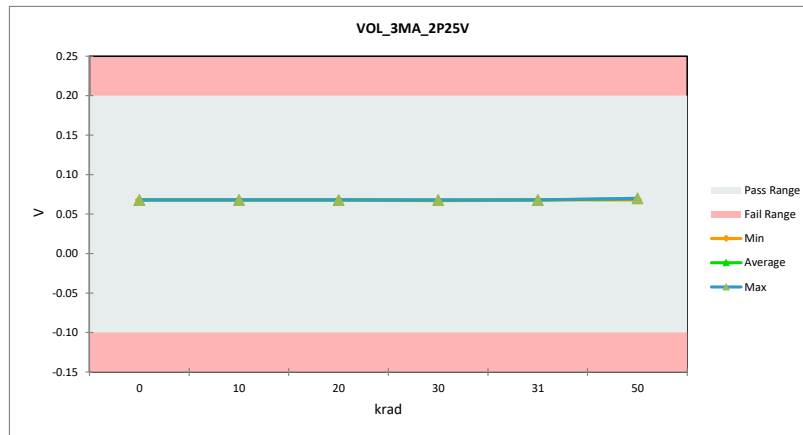
## SN54SC4T08-SEP

VOL_3MA_2P25V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.2	0.2
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.068	0.068	0.00	0.00%	0.00%
0	2	0.068	0.068	0.00	0.00%	0.00%
0	3	0.068	0.068	0.00	0.00%	0.00%
10	4	0.068	0.068	0.00	0.00%	0.00%
10	5	0.068	0.068	0.00	0.00%	0.00%
10	6	0.068	0.068	0.00	0.00%	0.00%
10	7	0.068	0.068	0.00	0.00%	0.00%
10	8	0.068	0.068	0.00	0.00%	0.00%
20	9	0.068	0.068	0.00	0.00%	0.00%
20	10	0.068	0.068	0.00	0.00%	0.00%
20	11	0.068	0.068	0.00	0.00%	0.00%
20	12	0.068	0.068	0.00	0.00%	0.00%
20	13	0.068	0.068	0.00	0.00%	0.00%
30	14	0.068	0.068	0.00	0.00%	0.00%
30	15	0.068	0.067	0.00	-1.47%	0.33%
30	16	0.068	0.068	0.00	0.00%	0.00%
30	17	0.068	0.068	0.00	0.00%	0.00%
30	18	0.068	0.068	0.00	0.00%	0.00%
31	19	0.068	0.068	0.00	0.00%	0.00%
31	20	0.068	0.068	0.00	0.00%	0.00%
31	21	0.068	0.068	0.00	0.00%	0.00%
31	22	0.068	0.068	0.00	0.00%	0.00%
31	23	0.068	0.068	0.00	0.00%	0.00%
31	24	0.068	0.068	0.00	0.00%	0.00%
31	25	0.068	0.068	0.00	0.00%	0.00%
31	26	0.069	0.068	0.00	-1.45%	0.33%
31	27	0.068	0.068	0.00	0.00%	0.00%
31	28	0.068	0.068	0.00	0.00%	0.00%
31	29	0.068	0.068	0.00	0.00%	0.00%
31	30	0.068	0.068	0.00	0.00%	0.00%
31	31	0.068	0.068	0.00	0.00%	0.00%
31	32	0.068	0.068	0.00	0.00%	0.00%
31	33	0.068	0.068	0.00	0.00%	0.00%
31	34	0.068	0.068	0.00	0.00%	0.00%
31	35	0.068	0.068	0.00	0.00%	0.00%
31	36	0.068	0.068	0.00	0.00%	0.00%
31	37	0.068	0.068	0.00	0.00%	0.00%
31	38	0.068	0.068	0.00	0.00%	0.00%
31	39	0.068	0.068	0.00	0.00%	0.00%
31	40	0.068	0.068	0.00	0.00%	0.00%
31	41	0.068	0.068	0.00	0.00%	0.00%
31	42	0.068	0.068	0.00	0.00%	0.00%
50	43	0.068	0.069	0.00	1.47%	0.33%
50	44	0.067	0.068	0.00	1.49%	0.33%
50	45	0.070	0.070	0.00	0.00%	0.00%
50	46	0.070	0.070	0.00	0.00%	0.00%
50	47	0.070	0.070	0.00	0.00%	0.00%
	Max	0.070	0.070	0.00	1.49%	0.33%
	Average	0.068	0.068	0.00	0.00%	0.03%
	Min	0.067	0.067	0.00	-1.47%	0.00%
	Std Dev	0.001	0.001	0.00	0.43%	0.09%



VOL_3MA_2P25V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	0.2	V				
Min Limit	-0.1	V				
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

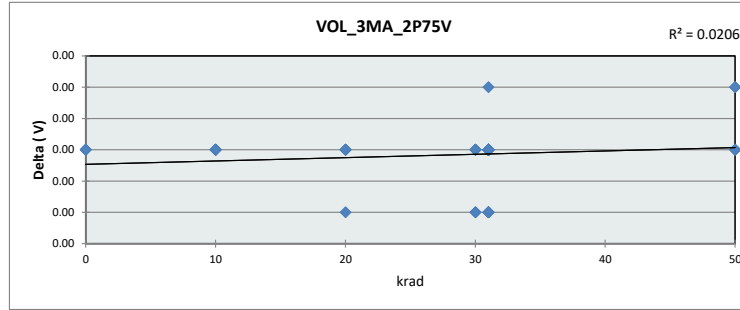


# TID Report

## SN54SC4T08-SEP

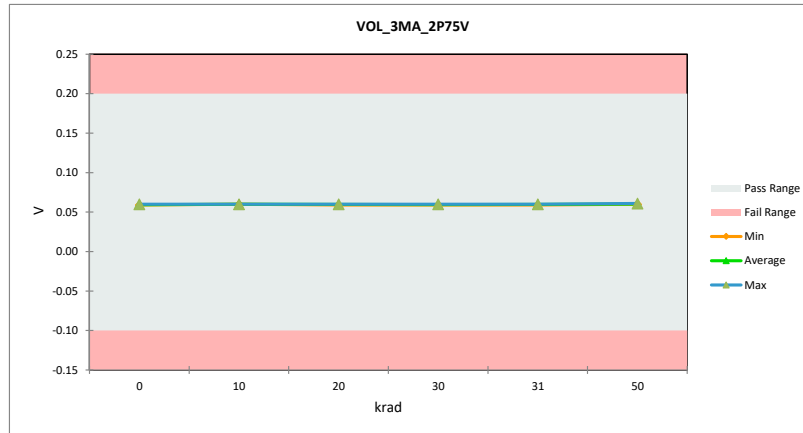
VOL_3MA_2P75V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.2	0.2
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.059	0.059	0.00	0.00%	0.00%
0	2	0.060	0.060	0.00	0.00%	0.00%
0	3	0.059	0.059	0.00	0.00%	0.00%
10	4	0.060	0.060	0.00	0.00%	0.00%
10	5	0.060	0.060	0.00	0.00%	0.00%
10	6	0.060	0.060	0.00	0.00%	0.00%
10	7	0.060	0.060	0.00	0.00%	0.00%
10	8	0.060	0.060	0.00	0.00%	0.00%
20	9	0.060	0.060	0.00	0.00%	0.00%
20	10	0.060	0.060	0.00	0.00%	0.00%
20	11	0.060	0.059	0.00	-1.67%	0.33%
20	12	0.060	0.060	0.00	0.00%	0.00%
20	13	0.060	0.060	0.00	0.00%	0.00%
30	14	0.060	0.060	0.00	0.00%	0.00%
30	15	0.060	0.059	0.00	-1.67%	0.33%
30	16	0.060	0.059	0.00	-1.67%	0.33%
30	17	0.060	0.060	0.00	0.00%	0.00%
30	18	0.060	0.060	0.00	0.00%	0.00%
31	19	0.060	0.059	0.00	-1.67%	0.33%
31	20	0.060	0.060	0.00	0.00%	0.00%
31	21	0.060	0.060	0.00	0.00%	0.00%
31	22	0.060	0.059	0.00	-1.67%	0.33%
31	23	0.060	0.060	0.00	0.00%	0.00%
31	24	0.060	0.060	0.00	0.00%	0.00%
31	25	0.060	0.060	0.00	0.00%	0.00%
31	26	0.060	0.060	0.00	0.00%	0.00%
31	27	0.060	0.059	0.00	-1.67%	0.33%
31	28	0.060	0.060	0.00	0.00%	0.00%
31	29	0.060	0.059	0.00	-1.67%	0.33%
31	30	0.060	0.060	0.00	0.00%	0.00%
31	31	0.060	0.060	0.00	0.00%	0.00%
31	32	0.060	0.060	0.00	0.00%	0.00%
31	33	0.060	0.060	0.00	0.00%	0.00%
31	34	0.060	0.060	0.00	0.00%	0.00%
31	35	0.060	0.060	0.00	0.00%	0.00%
31	36	0.060	0.060	0.00	0.00%	0.00%
31	37	0.060	0.060	0.00	0.00%	0.00%
31	38	0.059	0.059	0.00	0.00%	0.00%
31	39	0.060	0.060	0.00	0.00%	0.00%
31	40	0.060	0.060	0.00	0.00%	0.00%
31	41	0.060	0.060	0.00	0.00%	0.00%
31	42	0.059	0.060	0.00	1.69%	0.33%
50	43	0.060	0.061	0.00	1.67%	0.33%
50	44	0.059	0.060	0.00	1.69%	0.33%
50	45	0.060	0.060	0.00	0.00%	0.00%
50	46	0.060	0.060	0.00	0.00%	0.00%
50	47	0.060	0.060	0.00	0.00%	0.00%
	Max	0.060	0.061	0.00	1.69%	0.33%
	Average	0.060	0.060	0.00	-0.14%	0.07%
	Min	0.059	0.059	0.00	-1.67%	0.00%
	Std Dev	0.000	0.000	0.00	0.77%	0.14%



VOL_3MA_2P75V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	0.2	V
Min Limit	-0.1	V

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



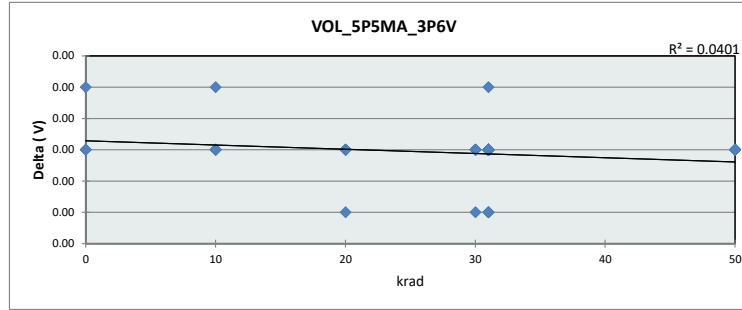


# TID Report

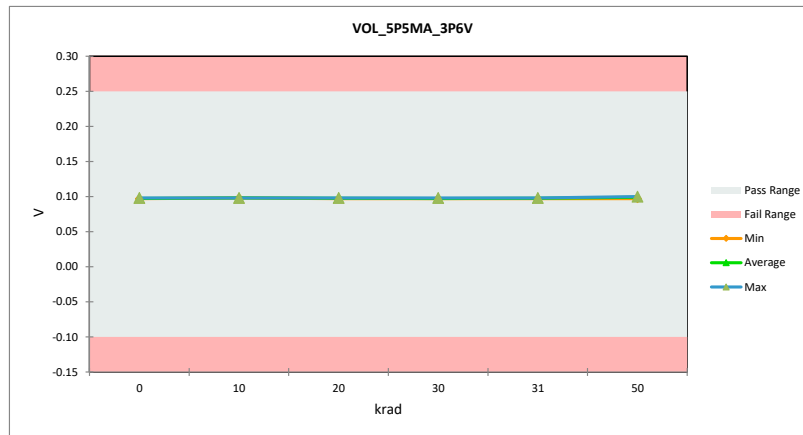
## SN54SC4T08-SEP

VOL_5P5MA_3P6V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.25	0.25
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.097	0.097	0.00	0.00%	0.00%
0	2	0.097	0.098	0.00	1.03%	0.29%
0	3	0.097	0.097	0.00	0.00%	0.00%
10	4	0.098	0.098	0.00	0.00%	0.00%
10	5	0.098	0.098	0.00	0.00%	0.00%
10	6	0.098	0.098	0.00	0.00%	0.00%
10	7	0.097	0.098	0.00	1.03%	0.29%
10	8	0.098	0.098	0.00	0.00%	0.00%
20	9	0.098	0.098	0.00	0.00%	0.00%
20	10	0.098	0.097	0.00	-1.02%	0.29%
20	11	0.097	0.097	0.00	0.00%	0.00%
20	12	0.098	0.098	0.00	0.00%	0.00%
20	13	0.098	0.098	0.00	0.00%	0.00%
30	14	0.098	0.097	0.00	-1.02%	0.29%
30	15	0.097	0.097	0.00	0.00%	0.00%
30	16	0.097	0.097	0.00	0.00%	0.00%
30	17	0.097	0.097	0.00	0.00%	0.00%
30	18	0.098	0.098	0.00	0.00%	0.00%
31	19	0.098	0.097	0.00	-1.02%	0.29%
31	20	0.097	0.097	0.00	0.00%	0.00%
31	21	0.097	0.097	0.00	0.00%	0.00%
31	22	0.097	0.097	0.00	0.00%	0.00%
31	23	0.098	0.098	0.00	0.00%	0.00%
31	24	0.098	0.098	0.00	0.00%	0.00%
31	25	0.098	0.098	0.00	0.00%	0.00%
31	26	0.098	0.098	0.00	0.00%	0.00%
31	27	0.097	0.097	0.00	0.00%	0.00%
31	28	0.098	0.097	0.00	-1.02%	0.29%
31	29	0.097	0.097	0.00	0.00%	0.00%
31	30	0.098	0.098	0.00	0.00%	0.00%
31	31	0.098	0.097	0.00	-1.02%	0.29%
31	32	0.098	0.098	0.00	0.00%	0.00%
31	33	0.098	0.098	0.00	0.00%	0.00%
31	34	0.098	0.098	0.00	0.00%	0.00%
31	35	0.098	0.098	0.00	0.00%	0.00%
31	36	0.098	0.098	0.00	0.00%	0.00%
31	37	0.098	0.098	0.00	0.00%	0.00%
31	38	0.097	0.097	0.00	0.00%	0.00%
31	39	0.097	0.098	0.00	1.03%	0.29%
31	40	0.097	0.097	0.00	0.00%	0.00%
31	41	0.098	0.098	0.00	0.00%	0.00%
31	42	0.097	0.097	0.00	0.00%	0.00%
50	43	0.098	0.098	0.00	0.00%	0.00%
50	44	0.097	0.097	0.00	0.00%	0.00%
50	45	0.100	0.100	0.00	0.00%	0.00%
50	46	0.100	0.100	0.00	0.00%	0.00%
50	47	0.100	0.100	0.00	0.00%	0.00%
	Max	0.100	0.100	0.00	1.03%	0.29%
	Average	0.098	0.098	0.00	-0.04%	0.05%
	Min	0.097	0.097	0.00	-1.02%	0.00%
	Std Dev	0.001	0.001	0.00	0.42%	0.11%



VOL_5P5MA_3P6V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	0.25	V				
Min Limit	-0.1	V				
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

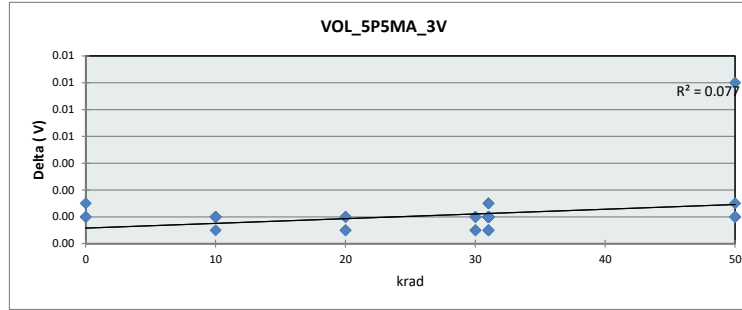


# TID Report

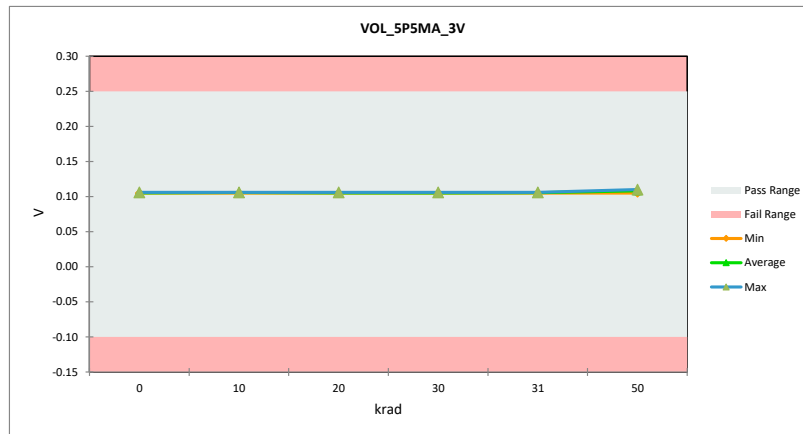
## SN54SC4T08-SEP

VOL_5P5MA_3V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.25	0.25
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.105	0.105	0.00	0.00%	0.00%
0	2	0.105	0.106	0.00	0.95%	0.29%
0	3	0.105	0.105	0.00	0.00%	0.00%
10	4	0.106	0.105	0.00	-0.94%	0.29%
10	5	0.106	0.106	0.00	0.00%	0.00%
10	6	0.106	0.106	0.00	0.00%	0.00%
10	7	0.106	0.106	0.00	0.00%	0.00%
10	8	0.106	0.106	0.00	0.00%	0.00%
20	9	0.106	0.106	0.00	0.00%	0.00%
20	10	0.106	0.105	0.00	-0.94%	0.29%
20	11	0.105	0.105	0.00	0.00%	0.00%
20	12	0.106	0.106	0.00	0.00%	0.00%
20	13	0.106	0.105	0.00	-0.94%	0.29%
30	14	0.106	0.105	0.00	-0.94%	0.29%
30	15	0.106	0.105	0.00	-0.94%	0.29%
30	16	0.105	0.105	0.00	0.00%	0.00%
30	17	0.105	0.105	0.00	0.00%	0.00%
30	18	0.106	0.106	0.00	0.00%	0.00%
31	19	0.106	0.105	0.00	-0.94%	0.29%
31	20	0.106	0.105	0.00	-0.94%	0.29%
31	21	0.105	0.105	0.00	0.00%	0.00%
31	22	0.105	0.105	0.00	0.00%	0.00%
31	23	0.106	0.106	0.00	0.00%	0.00%
31	24	0.106	0.106	0.00	0.00%	0.00%
31	25	0.106	0.106	0.00	0.00%	0.00%
31	26	0.106	0.106	0.00	0.00%	0.00%
31	27	0.106	0.105	0.00	-0.94%	0.29%
31	28	0.105	0.105	0.00	0.00%	0.00%
31	29	0.105	0.105	0.00	0.00%	0.00%
31	30	0.106	0.106	0.00	0.00%	0.00%
31	31	0.106	0.106	0.00	0.00%	0.00%
31	32	0.106	0.106	0.00	0.00%	0.00%
31	33	0.106	0.106	0.00	0.00%	0.00%
31	34	0.106	0.106	0.00	0.00%	0.00%
31	35	0.105	0.106	0.00	0.95%	0.29%
31	36	0.106	0.106	0.00	0.00%	0.00%
31	37	0.106	0.106	0.00	0.00%	0.00%
31	38	0.105	0.105	0.00	0.00%	0.00%
31	39	0.106	0.106	0.00	0.00%	0.00%
31	40	0.105	0.106	0.00	0.95%	0.29%
31	41	0.106	0.106	0.00	0.00%	0.00%
31	42	0.105	0.105	0.00	0.00%	0.00%
50	43	0.105	0.106	0.00	0.95%	0.29%
50	44	0.105	0.105	0.00	0.00%	0.00%
50	45	0.110	0.110	0.00	0.00%	0.00%
50	46	0.100	0.110	0.01	10.00%	2.86%
50	47	0.110	0.110	0.00	0.00%	0.00%
	Max	0.110	0.110	0.00	10.00%	2.86%
	Average	0.106	0.106	0.00	0.13%	0.13%
	Min	0.100	0.105	0.00	-0.94%	0.00%
	Std Dev	0.001	0.001	0.00	1.55%	0.42%



VOL_5P5MA_3V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	0.25	V				
Min Limit	-0.1	V				
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

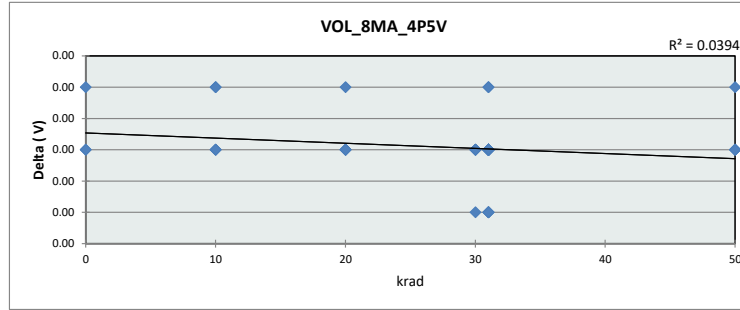


# TID Report

## SN54SC4T08-SEP

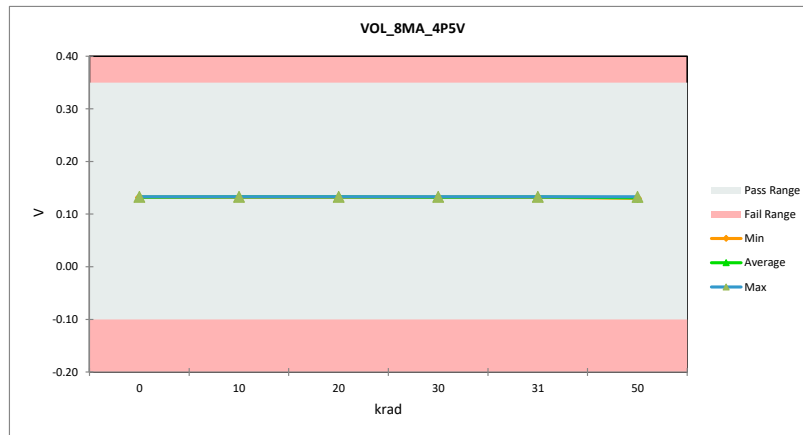
VOL_8MA_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.35	0.35
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.132	0.132	0.00	0.00%	0.00%
0	2	0.132	0.133	0.00	0.76%	0.22%
0	3	0.132	0.132	0.00	0.00%	0.00%
10	4	0.132	0.132	0.00	0.00%	0.00%
10	5	0.133	0.133	0.00	0.00%	0.00%
10	6	0.133	0.133	0.00	0.00%	0.00%
10	7	0.132	0.133	0.00	0.76%	0.22%
10	8	0.132	0.133	0.00	0.76%	0.22%
20	9	0.133	0.133	0.00	0.00%	0.00%
20	10	0.132	0.133	0.00	0.76%	0.22%
20	11	0.132	0.132	0.00	0.00%	0.00%
20	12	0.133	0.133	0.00	0.00%	0.00%
20	13	0.133	0.133	0.00	0.00%	0.00%
30	14	0.133	0.132	0.00	-0.75%	0.22%
30	15	0.132	0.132	0.00	0.00%	0.00%
30	16	0.132	0.132	0.00	0.00%	0.00%
30	17	0.132	0.132	0.00	0.00%	0.00%
30	18	0.133	0.133	0.00	0.00%	0.00%
31	19	0.133	0.132	0.00	-0.75%	0.22%
31	20	0.132	0.132	0.00	0.00%	0.00%
31	21	0.132	0.132	0.00	0.00%	0.00%
31	22	0.132	0.132	0.00	0.00%	0.00%
31	23	0.133	0.133	0.00	0.00%	0.00%
31	24	0.133	0.133	0.00	0.00%	0.00%
31	25	0.133	0.133	0.00	0.00%	0.00%
31	26	0.134	0.133	0.00	-0.75%	0.22%
31	27	0.132	0.132	0.00	0.00%	0.00%
31	28	0.133	0.133	0.00	0.00%	0.00%
31	29	0.132	0.132	0.00	0.00%	0.00%
31	30	0.133	0.133	0.00	0.00%	0.00%
31	31	0.133	0.132	0.00	-0.75%	0.22%
31	32	0.133	0.133	0.00	0.00%	0.00%
31	33	0.133	0.133	0.00	0.00%	0.00%
31	34	0.133	0.133	0.00	0.00%	0.00%
31	35	0.133	0.133	0.00	0.00%	0.00%
31	36	0.133	0.133	0.00	0.00%	0.00%
31	37	0.134	0.133	0.00	-0.75%	0.22%
31	38	0.132	0.132	0.00	0.00%	0.00%
31	39	0.132	0.133	0.00	0.76%	0.22%
31	40	0.132	0.133	0.00	0.76%	0.22%
31	41	0.133	0.133	0.00	0.00%	0.00%
31	42	0.132	0.132	0.00	0.00%	0.00%
50	43	0.133	0.133	0.00	0.00%	0.00%
50	44	0.131	0.132	0.00	0.76%	0.22%
50	45	0.130	0.130	0.00	0.00%	0.00%
50	46	0.130	0.130	0.00	0.00%	0.00%
50	47	0.130	0.130	0.00	0.00%	0.00%
	Max	0.134	0.133	0.00	0.76%	0.22%
	Average	0.132	0.132	0.00	0.03%	0.06%
	Min	0.130	0.130	0.00	-0.75%	0.00%
	Std Dev	0.001	0.001	0.00	0.38%	0.10%



VOL_8MA_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	0.35	V
Min Limit	-0.1	V

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

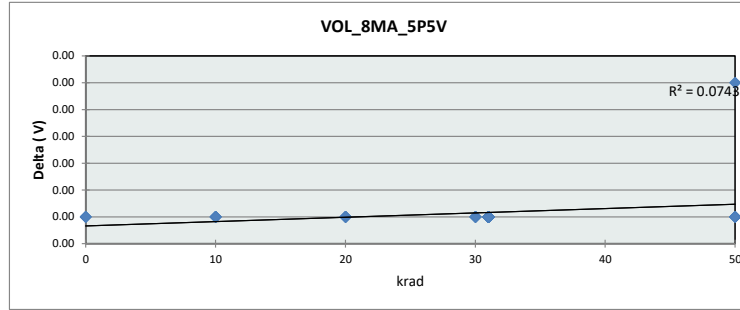


# TID Report

## SN54SC4T08-SEP

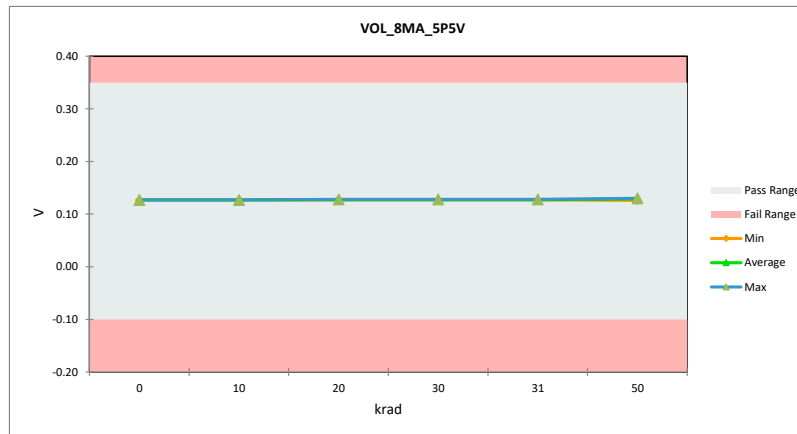
VOL_8MA_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.35	0.35
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.127	0.127	0.00	0.00%	0.00%
0	2	0.127	0.127	0.00	0.00%	0.00%
0	3	0.127	0.127	0.00	0.00%	0.00%
10	4	0.127	0.127	0.00	0.00%	0.00%
10	5	0.127	0.127	0.00	0.00%	0.00%
10	6	0.127	0.127	0.00	0.00%	0.00%
10	7	0.127	0.127	0.00	0.00%	0.00%
10	8	0.127	0.127	0.00	0.00%	0.00%
20	9	0.127	0.127	0.00	0.00%	0.00%
20	10	0.127	0.127	0.00	0.00%	0.00%
20	11	0.127	0.127	0.00	0.00%	0.00%
20	12	0.128	0.128	0.00	0.00%	0.00%
20	13	0.127	0.127	0.00	0.00%	0.00%
30	14	0.127	0.127	0.00	0.00%	0.00%
30	15	0.127	0.127	0.00	0.00%	0.00%
30	16	0.127	0.127	0.00	0.00%	0.00%
30	17	0.127	0.127	0.00	0.00%	0.00%
30	18	0.128	0.128	0.00	0.00%	0.00%
31	19	0.127	0.127	0.00	0.00%	0.00%
31	20	0.127	0.127	0.00	0.00%	0.00%
31	21	0.127	0.127	0.00	0.00%	0.00%
31	22	0.127	0.127	0.00	0.00%	0.00%
31	23	0.128	0.128	0.00	0.00%	0.00%
31	24	0.128	0.128	0.00	0.00%	0.00%
31	25	0.128	0.128	0.00	0.00%	0.00%
31	26	0.128	0.128	0.00	0.00%	0.00%
31	27	0.127	0.127	0.00	0.00%	0.00%
31	28	0.127	0.127	0.00	0.00%	0.00%
31	29	0.127	0.127	0.00	0.00%	0.00%
31	30	0.128	0.128	0.00	0.00%	0.00%
31	31	0.127	0.127	0.00	0.00%	0.00%
31	32	0.127	0.127	0.00	0.00%	0.00%
31	33	0.128	0.128	0.00	0.00%	0.00%
31	34	0.128	0.128	0.00	0.00%	0.00%
31	35	0.127	0.127	0.00	0.00%	0.00%
31	36	0.127	0.127	0.00	0.00%	0.00%
31	37	0.128	0.128	0.00	0.00%	0.00%
31	38	0.127	0.127	0.00	0.00%	0.00%
31	39	0.127	0.127	0.00	0.00%	0.00%
31	40	0.127	0.127	0.00	0.00%	0.00%
31	41	0.128	0.128	0.00	0.00%	0.00%
31	42	0.127	0.127	0.00	0.00%	0.00%
50	43	0.127	0.128	0.00	0.79%	0.22%
50	44	0.126	0.126	0.00	0.00%	0.00%
50	45	0.130	0.130	0.00	0.00%	0.00%
50	46	0.130	0.130	0.00	0.00%	0.00%
50	47	0.130	0.130	0.00	0.00%	0.00%
	Max	0.130	0.130	0.00	0.79%	0.22%
	Average	0.127	0.127	0.00	0.02%	0.00%
	Min	0.126	0.126	0.00	0.00%	0.00%
	Std Dev	0.001	0.001	0.00	0.11%	0.03%



VOL_8MA_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	0.35	V
Min Limit	-0.1	V

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

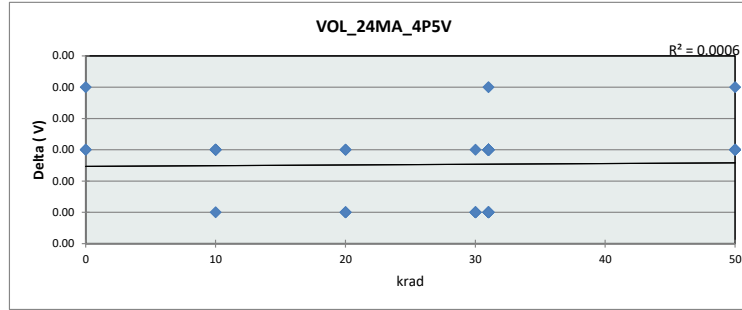


# TID Report

## SN54SC4T08-SEP

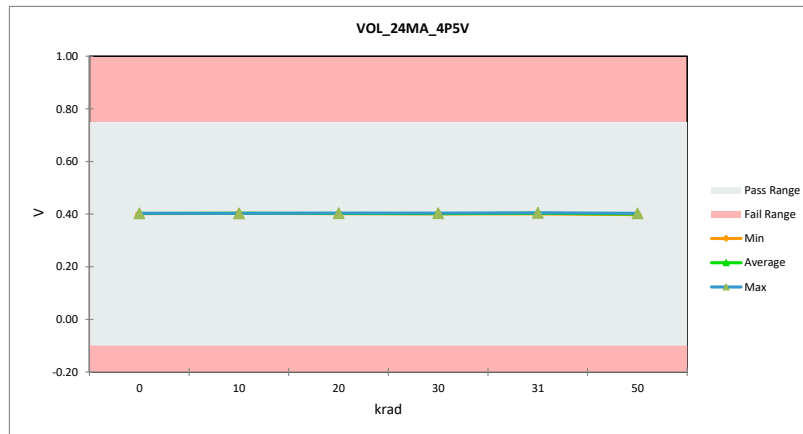
VOL_24MA_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.75	0.75
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.402	0.402	0.00	0.00%	0.00%
0	2	0.402	0.403	0.00	0.25%	0.12%
0	3	0.402	0.402	0.00	0.00%	0.00%
10	4	0.403	0.403	0.00	0.00%	0.00%
10	5	0.403	0.403	0.00	0.00%	0.00%
10	6	0.404	0.403	0.00	-0.25%	0.12%
10	7	0.403	0.403	0.00	0.00%	0.00%
10	8	0.403	0.403	0.00	0.00%	0.00%
20	9	0.403	0.403	0.00	0.00%	0.00%
20	10	0.403	0.402	0.00	-0.25%	0.12%
20	11	0.403	0.402	0.00	-0.25%	0.12%
20	12	0.404	0.404	0.00	0.00%	0.00%
20	13	0.403	0.402	0.00	-0.25%	0.12%
30	14	0.403	0.402	0.00	-0.25%	0.12%
30	15	0.402	0.401	0.00	-0.25%	0.12%
30	16	0.402	0.401	0.00	-0.25%	0.12%
30	17	0.402	0.402	0.00	0.00%	0.00%
30	18	0.405	0.404	0.00	-0.25%	0.12%
31	19	0.403	0.402	0.00	-0.25%	0.12%
31	20	0.402	0.402	0.00	0.00%	0.00%
31	21	0.402	0.401	0.00	-0.25%	0.12%
31	22	0.402	0.402	0.00	0.00%	0.00%
31	23	0.405	0.404	0.00	-0.25%	0.12%
31	24	0.404	0.404	0.00	0.00%	0.00%
31	25	0.405	0.405	0.00	0.00%	0.00%
31	26	0.406	0.405	0.00	-0.25%	0.12%
31	27	0.402	0.402	0.00	0.00%	0.00%
31	28	0.402	0.402	0.00	0.00%	0.00%
31	29	0.401	0.401	0.00	0.00%	0.00%
31	30	0.404	0.404	0.00	0.00%	0.00%
31	31	0.402	0.402	0.00	0.00%	0.00%
31	32	0.404	0.404	0.00	0.00%	0.00%
31	33	0.405	0.405	0.00	0.00%	0.00%
31	34	0.404	0.404	0.00	0.00%	0.00%
31	35	0.403	0.403	0.00	0.00%	0.00%
31	36	0.403	0.403	0.00	0.00%	0.00%
31	37	0.406	0.405	0.00	-0.25%	0.12%
31	38	0.402	0.402	0.00	0.00%	0.00%
31	39	0.403	0.403	0.00	0.00%	0.00%
31	40	0.402	0.403	0.00	0.25%	0.12%
31	41	0.405	0.404	0.00	-0.25%	0.12%
31	42	0.403	0.403	0.00	0.00%	0.00%
50	43	0.402	0.403	0.00	0.25%	0.12%
50	44	0.398	0.398	0.00	0.00%	0.00%
50	45	0.400	0.400	0.00	0.00%	0.00%
50	46	0.400	0.400	0.00	0.00%	0.00%
50	47	0.400	0.400	0.00	0.00%	0.00%
	Max	0.406	0.405	0.00	0.25%	0.12%
	Average	0.403	0.403	0.00	-0.06%	0.04%
	Min	0.398	0.398	0.00	-0.25%	0.00%
	Std Dev	0.002	0.001	0.00	0.14%	0.06%



VOL_24MA_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	0.75	V
Min Limit	-0.1	V

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	0.40	0.40
Average	0.40	0.40	0.40	0.40	0.40	0.40
Max	0.40	0.40	0.40	0.40	0.41	0.40
UL	0.75	0.75	0.75	0.75	0.75	0.75

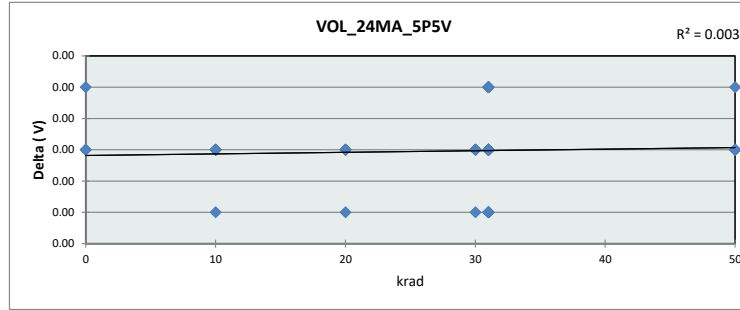


# TID Report

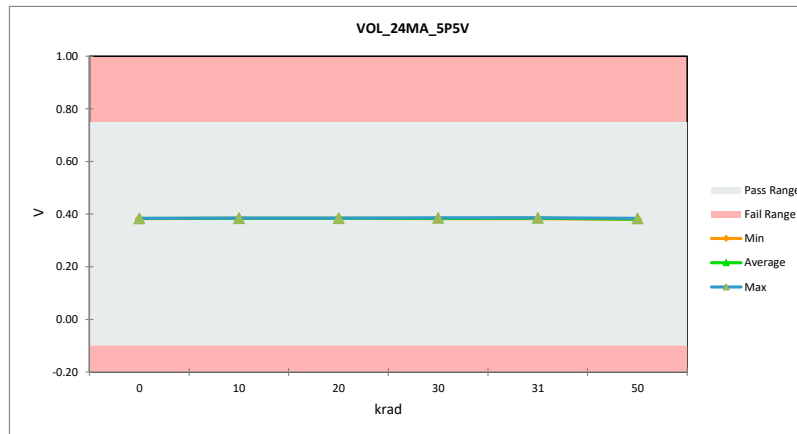
## SN54SC4T08-SEP

VOL_24MA_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.75	0.75
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.383	0.383	0.00	0.00%	0.00%
0	2	0.384	0.384	0.00	0.00%	0.00%
0	3	0.383	0.384	0.00	0.26%	0.12%
10	4	0.384	0.384	0.00	0.00%	0.00%
10	5	0.385	0.384	0.00	-0.26%	0.12%
10	6	0.385	0.385	0.00	0.00%	0.00%
10	7	0.384	0.384	0.00	0.00%	0.00%
10	8	0.384	0.384	0.00	0.00%	0.00%
20	9	0.385	0.384	0.00	-0.26%	0.12%
20	10	0.384	0.384	0.00	0.00%	0.00%
20	11	0.384	0.384	0.00	0.00%	0.00%
20	12	0.385	0.385	0.00	0.00%	0.00%
20	13	0.384	0.384	0.00	0.00%	0.00%
30	14	0.384	0.383	0.00	-0.26%	0.12%
30	15	0.383	0.383	0.00	0.00%	0.00%
30	16	0.383	0.383	0.00	0.00%	0.00%
30	17	0.383	0.383	0.00	0.00%	0.00%
30	18	0.386	0.386	0.00	0.00%	0.00%
31	19	0.384	0.383	0.00	-0.26%	0.12%
31	20	0.383	0.383	0.00	0.00%	0.00%
31	21	0.383	0.383	0.00	0.00%	0.00%
31	22	0.383	0.383	0.00	0.00%	0.00%
31	23	0.386	0.386	0.00	0.00%	0.00%
31	24	0.385	0.386	0.00	0.26%	0.12%
31	25	0.387	0.386	0.00	-0.26%	0.12%
31	26	0.387	0.386	0.00	-0.26%	0.12%
31	27	0.383	0.384	0.00	0.26%	0.12%
31	28	0.383	0.383	0.00	0.00%	0.00%
31	29	0.383	0.383	0.00	0.00%	0.00%
31	30	0.385	0.385	0.00	0.00%	0.00%
31	31	0.384	0.384	0.00	0.00%	0.00%
31	32	0.385	0.385	0.00	0.00%	0.00%
31	33	0.386	0.386	0.00	0.00%	0.00%
31	34	0.386	0.386	0.00	0.00%	0.00%
31	35	0.384	0.385	0.00	0.26%	0.12%
31	36	0.384	0.385	0.00	0.26%	0.12%
31	37	0.387	0.386	0.00	-0.26%	0.12%
31	38	0.383	0.383	0.00	0.00%	0.00%
31	39	0.384	0.384	0.00	0.00%	0.00%
31	40	0.383	0.384	0.00	0.26%	0.12%
31	41	0.386	0.385	0.00	-0.26%	0.12%
31	42	0.384	0.384	0.00	0.00%	0.00%
50	43	0.384	0.384	0.00	0.00%	0.00%
50	44	0.379	0.380	0.00	0.26%	0.12%
50	45	0.380	0.380	0.00	0.00%	0.00%
50	46	0.380	0.380	0.00	0.00%	0.00%
50	47	0.380	0.380	0.00	0.00%	0.00%
	Max	0.387	0.386	0.00	0.26%	0.12%
	Average	0.384	0.384	0.00	-0.01%	0.04%
	Min	0.379	0.380	0.00	-0.26%	0.00%
	Std Dev	0.002	0.002	0.00	0.15%	0.06%



VOL_24MA_5P5V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	0.75	V				
Min Limit	-0.1	V				
krad	0	10	20	30	31	50
LL	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
Min	0.38	0.38	0.38	0.38	0.38	0.38
Average	0.38	0.38	0.38	0.38	0.38	0.38
Max	0.38	0.39	0.39	0.39	0.39	0.38
UL	0.75	0.75	0.75	0.75	0.75	0.75

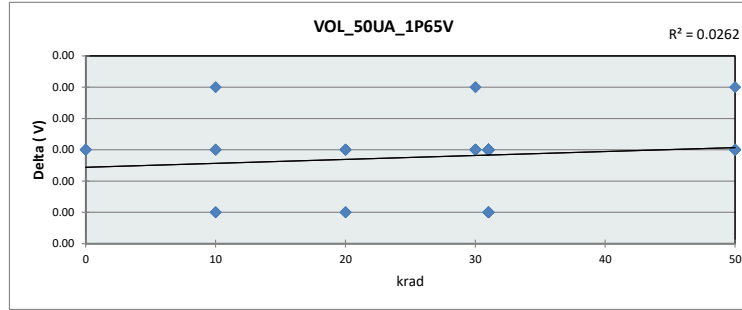


# TID Report

## SN54SC4T08-SEP

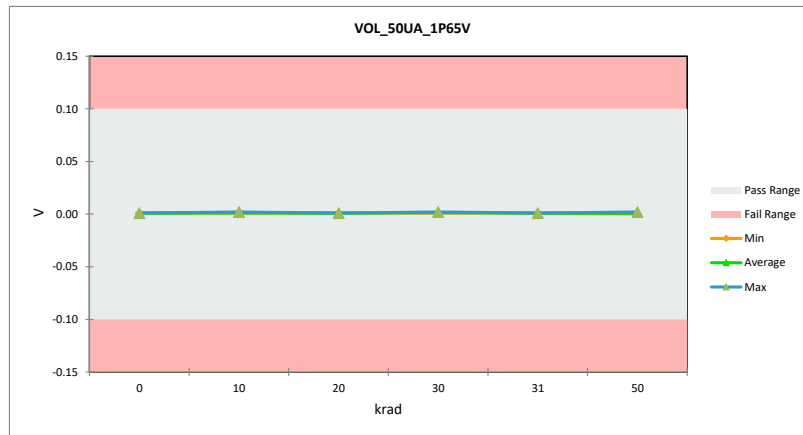
VOL_50UA_1P65V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.1	0.1
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.001	0.00	0.00%	0.00%
0	2	0.001	0.001	0.00	0.00%	0.00%
0	3	0.001	0.001	0.00	0.00%	0.00%
10	4	0.002	0.001	0.00	-50.00%	0.50%
10	5	0.001	0.002	0.00	100.00%	0.50%
10	6	0.001	0.001	0.00	0.00%	0.00%
10	7	0.001	0.001	0.00	0.00%	0.00%
10	8	0.002	0.001	0.00	-50.00%	0.50%
20	9	0.001	0.001	0.00	0.00%	0.00%
20	10	0.001	0.001	0.00	0.00%	0.00%
20	11	0.001	0.001	0.00	0.00%	0.00%
20	12	0.002	0.001	0.00	-50.00%	0.50%
20	13	0.002	0.001	0.00	-50.00%	0.50%
30	14	0.001	0.001	0.00	0.00%	0.00%
30	15	0.001	0.001	0.00	0.00%	0.00%
30	16	0.001	0.001	0.00	0.00%	0.00%
30	17	0.001	0.002	0.00	100.00%	0.50%
30	18	0.002	0.002	0.00	0.00%	0.00%
31	19	0.001	0.001	0.00	0.00%	0.00%
31	20	0.001	0.001	0.00	0.00%	0.00%
31	21	0.001	0.001	0.00	0.00%	0.00%
31	22	0.001	0.001	0.00	0.00%	0.00%
31	23	0.002	0.001	0.00	-50.00%	0.50%
31	24	0.001	0.001	0.00	0.00%	0.00%
31	25	0.001	0.001	0.00	0.00%	0.00%
31	26	0.001	0.001	0.00	0.00%	0.00%
31	27	0.001	0.001	0.00	0.00%	0.00%
31	28	0.001	0.001	0.00	0.00%	0.00%
31	29	0.001	0.001	0.00	0.00%	0.00%
31	30	0.001	0.001	0.00	0.00%	0.00%
31	31	0.001	0.001	0.00	0.00%	0.00%
31	32	0.002	0.001	0.00	-50.00%	0.50%
31	33	0.002	0.001	0.00	-50.00%	0.50%
31	34	0.001	0.001	0.00	0.00%	0.00%
31	35	0.002	0.001	0.00	-50.00%	0.50%
31	36	0.001	0.001	0.00	0.00%	0.00%
31	37	0.001	0.001	0.00	0.00%	0.00%
31	38	0.001	0.001	0.00	0.00%	0.00%
31	39	0.001	0.001	0.00	0.00%	0.00%
31	40	0.001	0.001	0.00	0.00%	0.00%
31	41	0.001	0.001	0.00	0.00%	0.00%
31	42	0.001	0.001	0.00	0.00%	0.00%
50	43	0.002	0.002	0.00	0.00%	0.00%
50	44	0.001	0.002	0.00	100.00%	0.50%
50	45	0.000	0.000	0.00	0.00%	0.00%
50	46	0.000	0.000	0.00	0.00%	0.00%
50	47	0.000	0.000	0.00	0.00%	0.00%
	Max	0.002	0.002	0.00	100.00%	0.50%
	Average	0.001	0.001	0.00	-2.13%	0.12%
	Min	0.000	0.000	0.00	-50.00%	0.00%
	Std Dev	0.000	0.000	0.00	32.90%	0.21%



VOL_50UA_1P65V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	0.1	V
Min Limit	-0.1	V

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

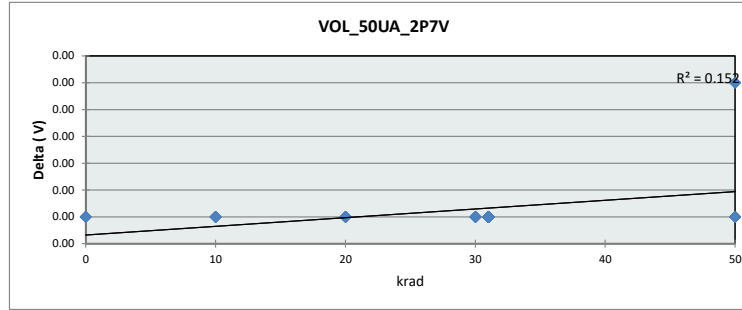


# TID Report

## SN54SC4T08-SEP

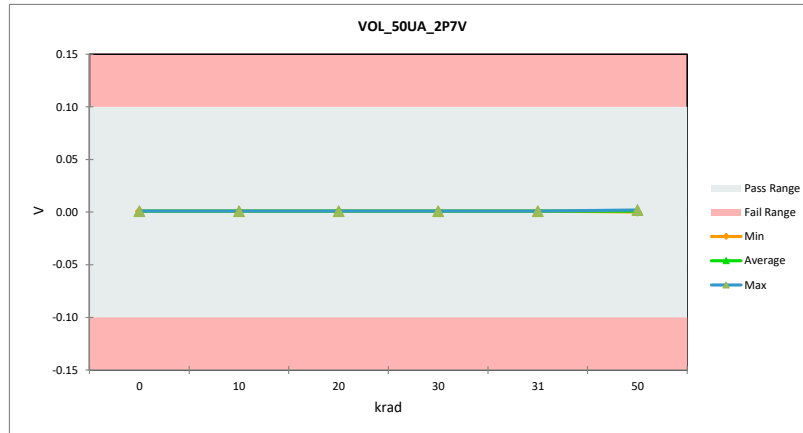
VOL_50UA_2P7V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.1	0.1
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.001	0.00	0.00%	0.00%
0	2	0.001	0.001	0.00	0.00%	0.00%
0	3	0.001	0.001	0.00	0.00%	0.00%
10	4	0.001	0.001	0.00	0.00%	0.00%
10	5	0.001	0.001	0.00	0.00%	0.00%
10	6	0.001	0.001	0.00	0.00%	0.00%
10	7	0.001	0.001	0.00	0.00%	0.00%
10	8	0.001	0.001	0.00	0.00%	0.00%
20	9	0.001	0.001	0.00	0.00%	0.00%
20	10	0.001	0.001	0.00	0.00%	0.00%
20	11	0.001	0.001	0.00	0.00%	0.00%
20	12	0.001	0.001	0.00	0.00%	0.00%
20	13	0.001	0.001	0.00	0.00%	0.00%
30	14	0.001	0.001	0.00	0.00%	0.00%
30	15	0.001	0.001	0.00	0.00%	0.00%
30	16	0.001	0.001	0.00	0.00%	0.00%
30	17	0.001	0.001	0.00	0.00%	0.00%
30	18	0.001	0.001	0.00	0.00%	0.00%
31	19	0.001	0.001	0.00	0.00%	0.00%
31	20	0.001	0.001	0.00	0.00%	0.00%
31	21	0.001	0.001	0.00	0.00%	0.00%
31	22	0.001	0.001	0.00	0.00%	0.00%
31	23	0.001	0.001	0.00	0.00%	0.00%
31	24	0.001	0.001	0.00	0.00%	0.00%
31	25	0.001	0.001	0.00	0.00%	0.00%
31	26	0.001	0.001	0.00	0.00%	0.00%
31	27	0.001	0.001	0.00	0.00%	0.00%
31	28	0.001	0.001	0.00	0.00%	0.00%
31	29	0.001	0.001	0.00	0.00%	0.00%
31	30	0.001	0.001	0.00	0.00%	0.00%
31	31	0.001	0.001	0.00	0.00%	0.00%
31	32	0.001	0.001	0.00	0.00%	0.00%
31	33	0.001	0.001	0.00	0.00%	0.00%
31	34	0.001	0.001	0.00	0.00%	0.00%
31	35	0.001	0.001	0.00	0.00%	0.00%
31	36	0.001	0.001	0.00	0.00%	0.00%
31	37	0.001	0.001	0.00	0.00%	0.00%
31	38	0.001	0.001	0.00	0.00%	0.00%
31	39	0.001	0.001	0.00	0.00%	0.00%
31	40	0.001	0.001	0.00	0.00%	0.00%
31	41	0.001	0.001	0.00	0.00%	0.00%
31	42	0.001	0.001	0.00	0.00%	0.00%
50	43	0.001	0.002	0.00	100.00%	0.50%
50	44	0.001	0.002	0.00	100.00%	0.50%
50	45	0.000	0.000	0.00	0.00%	0.00%
50	46	0.000	0.000	0.00	0.00%	0.00%
50	47	0.000	0.000	0.00	0.00%	0.00%
	Max	0.001	0.002	0.00	100.00%	0.50%
	Average	0.001	0.001	0.00	4.26%	0.02%
	Min	0.000	0.000	0.00	0.00%	0.00%
	Std Dev	0.000	0.000	0.00	20.40%	0.10%



VOL_50UA_2P7V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	0.1	V
Min Limit	-0.1	V

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



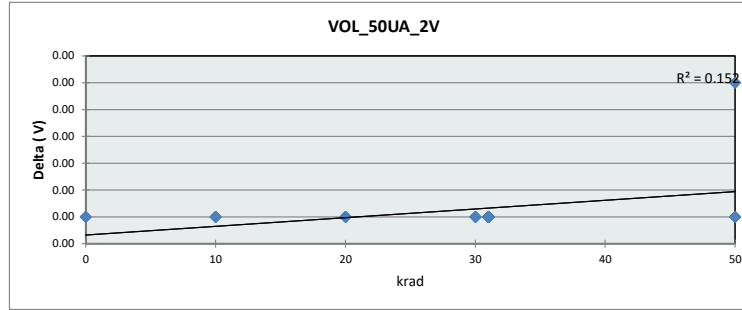


# TID Report

## SN54SC4T08-SEP

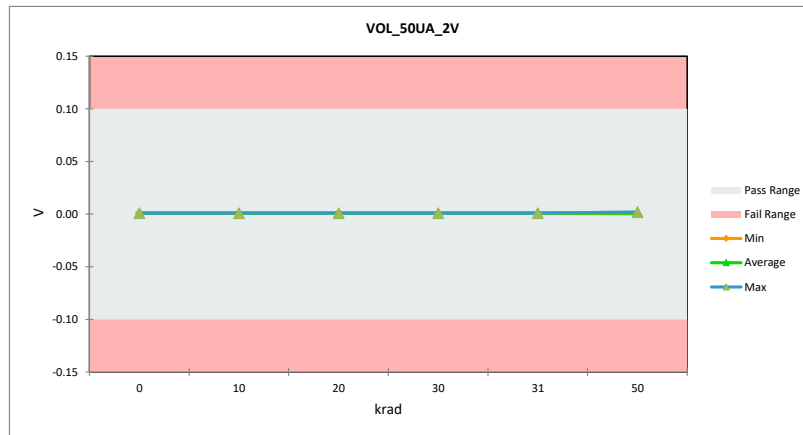
VOL_50UA_2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.1	0.1
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.001	0.00	0.00%	0.00%
0	2	0.001	0.001	0.00	0.00%	0.00%
0	3	0.001	0.001	0.00	0.00%	0.00%
10	4	0.001	0.001	0.00	0.00%	0.00%
10	5	0.001	0.001	0.00	0.00%	0.00%
10	6	0.001	0.001	0.00	0.00%	0.00%
10	7	0.001	0.001	0.00	0.00%	0.00%
10	8	0.001	0.001	0.00	0.00%	0.00%
20	9	0.001	0.001	0.00	0.00%	0.00%
20	10	0.001	0.001	0.00	0.00%	0.00%
20	11	0.001	0.001	0.00	0.00%	0.00%
20	12	0.001	0.001	0.00	0.00%	0.00%
20	13	0.001	0.001	0.00	0.00%	0.00%
30	14	0.001	0.001	0.00	0.00%	0.00%
30	15	0.001	0.001	0.00	0.00%	0.00%
30	16	0.001	0.001	0.00	0.00%	0.00%
30	17	0.001	0.001	0.00	0.00%	0.00%
30	18	0.001	0.001	0.00	0.00%	0.00%
31	19	0.001	0.001	0.00	0.00%	0.00%
31	20	0.001	0.001	0.00	0.00%	0.00%
31	21	0.001	0.001	0.00	0.00%	0.00%
31	22	0.001	0.001	0.00	0.00%	0.00%
31	23	0.001	0.001	0.00	0.00%	0.00%
31	24	0.001	0.001	0.00	0.00%	0.00%
31	25	0.001	0.001	0.00	0.00%	0.00%
31	26	0.001	0.001	0.00	0.00%	0.00%
31	27	0.001	0.001	0.00	0.00%	0.00%
31	28	0.001	0.001	0.00	0.00%	0.00%
31	29	0.001	0.001	0.00	0.00%	0.00%
31	30	0.001	0.001	0.00	0.00%	0.00%
31	31	0.001	0.001	0.00	0.00%	0.00%
31	32	0.001	0.001	0.00	0.00%	0.00%
31	33	0.001	0.001	0.00	0.00%	0.00%
31	34	0.001	0.001	0.00	0.00%	0.00%
31	35	0.001	0.001	0.00	0.00%	0.00%
31	36	0.001	0.001	0.00	0.00%	0.00%
31	37	0.001	0.001	0.00	0.00%	0.00%
31	38	0.001	0.001	0.00	0.00%	0.00%
31	39	0.001	0.001	0.00	0.00%	0.00%
31	40	0.001	0.001	0.00	0.00%	0.00%
31	41	0.001	0.001	0.00	0.00%	0.00%
31	42	0.001	0.001	0.00	0.00%	0.00%
50	43	0.001	0.002	0.00	100.00%	0.50%
50	44	0.001	0.002	0.00	100.00%	0.50%
50	45	0.000	0.000	0.00	0.00%	0.00%
50	46	0.000	0.000	0.00	0.00%	0.00%
50	47	0.000	0.000	0.00	0.00%	0.00%
	Max	0.001	0.002	0.00	100.00%	0.50%
	Average	0.001	0.001	0.00	4.26%	0.02%
	Min	0.000	0.000	0.00	0.00%	0.00%
	Std Dev	0.000	0.000	0.00	20.40%	0.10%



VOL_50UA_2V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	0.1	V
Min Limit	-0.1	V

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

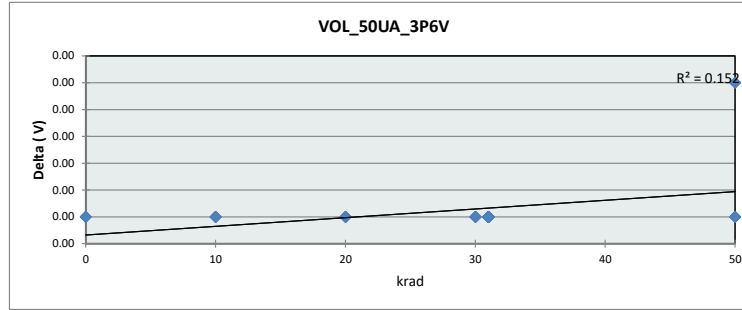


# TID Report

## SN54SC4T08-SEP

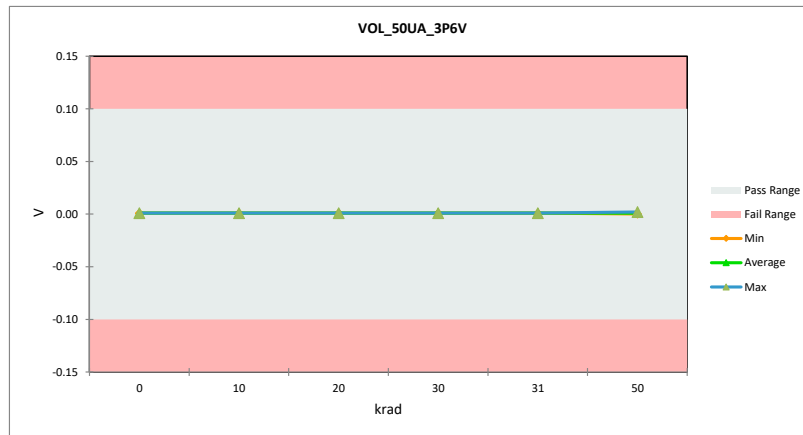
VOL_50UA_3P6V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.1	0.1
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.001	0.001	0.00	0.00%	0.00%
0	2	0.001	0.001	0.00	0.00%	0.00%
0	3	0.001	0.001	0.00	0.00%	0.00%
10	4	0.001	0.001	0.00	0.00%	0.00%
10	5	0.001	0.001	0.00	0.00%	0.00%
10	6	0.001	0.001	0.00	0.00%	0.00%
10	7	0.001	0.001	0.00	0.00%	0.00%
10	8	0.001	0.001	0.00	0.00%	0.00%
20	9	0.001	0.001	0.00	0.00%	0.00%
20	10	0.001	0.001	0.00	0.00%	0.00%
20	11	0.001	0.001	0.00	0.00%	0.00%
20	12	0.001	0.001	0.00	0.00%	0.00%
20	13	0.001	0.001	0.00	0.00%	0.00%
30	14	0.001	0.001	0.00	0.00%	0.00%
30	15	0.001	0.001	0.00	0.00%	0.00%
30	16	0.001	0.001	0.00	0.00%	0.00%
30	17	0.001	0.001	0.00	0.00%	0.00%
30	18	0.001	0.001	0.00	0.00%	0.00%
31	19	0.001	0.001	0.00	0.00%	0.00%
31	20	0.001	0.001	0.00	0.00%	0.00%
31	21	0.001	0.001	0.00	0.00%	0.00%
31	22	0.001	0.001	0.00	0.00%	0.00%
31	23	0.001	0.001	0.00	0.00%	0.00%
31	24	0.001	0.001	0.00	0.00%	0.00%
31	25	0.001	0.001	0.00	0.00%	0.00%
31	26	0.001	0.001	0.00	0.00%	0.00%
31	27	0.001	0.001	0.00	0.00%	0.00%
31	28	0.001	0.001	0.00	0.00%	0.00%
31	29	0.001	0.001	0.00	0.00%	0.00%
31	30	0.001	0.001	0.00	0.00%	0.00%
31	31	0.001	0.001	0.00	0.00%	0.00%
31	32	0.001	0.001	0.00	0.00%	0.00%
31	33	0.001	0.001	0.00	0.00%	0.00%
31	34	0.001	0.001	0.00	0.00%	0.00%
31	35	0.001	0.001	0.00	0.00%	0.00%
31	36	0.001	0.001	0.00	0.00%	0.00%
31	37	0.001	0.001	0.00	0.00%	0.00%
31	38	0.001	0.001	0.00	0.00%	0.00%
31	39	0.001	0.001	0.00	0.00%	0.00%
31	40	0.001	0.001	0.00	0.00%	0.00%
31	41	0.001	0.001	0.00	0.00%	0.00%
31	42	0.001	0.001	0.00	0.00%	0.00%
50	43	0.001	0.002	0.00	100.00%	0.50%
50	44	0.001	0.002	0.00	100.00%	0.50%
50	45	0.000	0.000	0.00	0.00%	0.00%
50	46	0.000	0.000	0.00	0.00%	0.00%
50	47	0.000	0.000	0.00	0.00%	0.00%
Max		0.001	0.002	0.00	100.00%	0.50%
Average		0.001	0.001	0.00	4.26%	0.02%
Min		0.000	0.000	0.00	0.00%	0.00%
Std Dev		0.000	0.000	0.00	20.40%	0.10%



VOL_50UA_3P6V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	0.1	V
Min Limit	-0.1	V

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

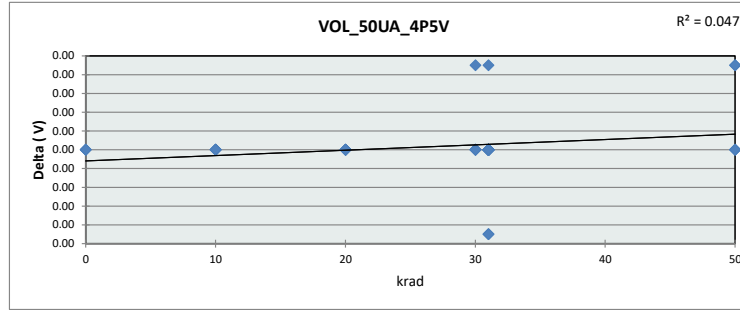


# TID Report

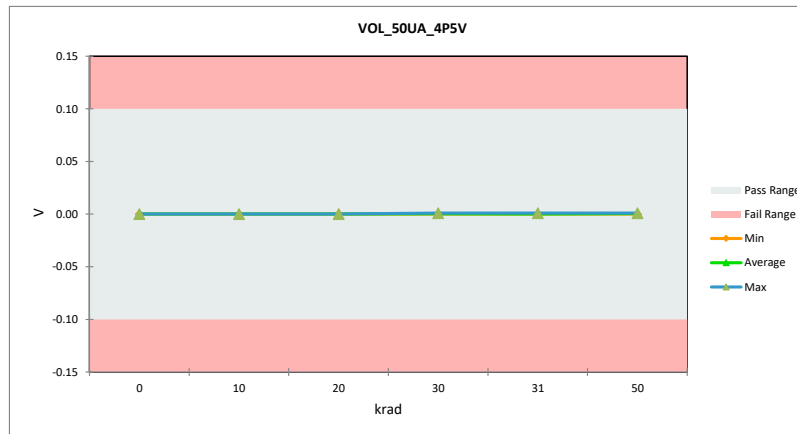
## SN54SC4T08-SEP

VOL_50UA_4P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.1	0.1
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.000	0.000	0.00	0.00%	0.00%
0	2	0.000	0.000	0.00	0.00%	0.00%
0	3	0.000	0.000	0.00	0.00%	0.00%
10	4	0.000	0.000	0.00	0.00%	0.00%
10	5	0.000	0.000	0.00	0.00%	0.00%
10	6	0.000	0.000	0.00	0.00%	0.00%
10	7	0.000	0.000	0.00	0.00%	0.00%
10	8	0.000	0.000	0.00	0.00%	0.00%
20	9	0.000	0.000	0.00	0.00%	0.00%
20	10	0.000	0.000	0.00	0.00%	0.00%
20	11	0.000	0.000	0.00	0.00%	0.00%
20	12	0.000	0.000	0.00	0.00%	0.00%
20	13	0.000	0.000	0.00	0.00%	0.00%
30	14	0.000	0.001	0.00	900.00%	0.45%
30	15	0.000	0.000	0.00	0.00%	0.00%
30	16	0.000	0.000	0.00	0.00%	0.00%
30	17	0.000	0.000	0.00	0.00%	0.00%
30	18	0.000	0.000	0.00	0.00%	0.00%
31	19	0.000	0.000	0.00	0.00%	0.00%
31	20	0.000	0.000	0.00	0.00%	0.00%
31	21	0.000	0.000	0.00	0.00%	0.00%
31	22	0.000	0.000	0.00	0.00%	0.00%
31	23	0.000	0.000	0.00	0.00%	0.00%
31	24	0.000	0.000	0.00	0.00%	0.00%
31	25	0.000	0.000	0.00	0.00%	0.00%
31	26	0.000	0.001	0.00	900.00%	0.45%
31	27	0.000	0.000	0.00	0.00%	0.00%
31	28	0.000	0.000	0.00	0.00%	0.00%
31	29	0.000	0.000	0.00	0.00%	0.00%
31	30	0.000	0.000	0.00	0.00%	0.00%
31	31	0.000	0.000	0.00	0.00%	0.00%
31	32	0.000	0.000	0.00	0.00%	0.00%
31	33	0.001	0.000	0.00	-90.00%	0.45%
31	34	0.000	0.000	0.00	0.00%	0.00%
31	35	0.001	0.000	0.00	-90.00%	0.45%
31	36	0.000	0.000	0.00	0.00%	0.00%
31	37	0.000	0.000	0.00	0.00%	0.00%
31	38	0.000	0.000	0.00	0.00%	0.00%
31	39	0.000	0.000	0.00	0.00%	0.00%
31	40	0.000	0.000	0.00	0.00%	0.00%
31	41	0.000	0.000	0.00	0.00%	0.00%
31	42	0.000	0.000	0.00	0.00%	0.00%
50	43	0.000	0.001	0.00	900.00%	0.45%
50	44	0.000	0.001	0.00	900.00%	0.45%
50	45	0.000	0.000	0.00	0.00%	0.00%
50	46	0.000	0.000	0.00	0.00%	0.00%
50	47	0.000	0.000	0.00	0.00%	0.00%
	Max	0.001	0.001	0.00	900.00%	0.45%
	Average	0.000	0.000	0.00	72.77%	0.06%
	Min	0.000	0.000	0.00	-90.00%	0.00%
	Std Dev	0.000	0.000	0.00	255.69%	0.15%



VOL_50UA_4P5V						
Test Site	SLAB	SLAB				
Tester	ETS88B	ETS88B				
Test Number	EQ773904	EQ773904				
Max Limit	0.1	V				
Min Limit	-0.1	V				
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

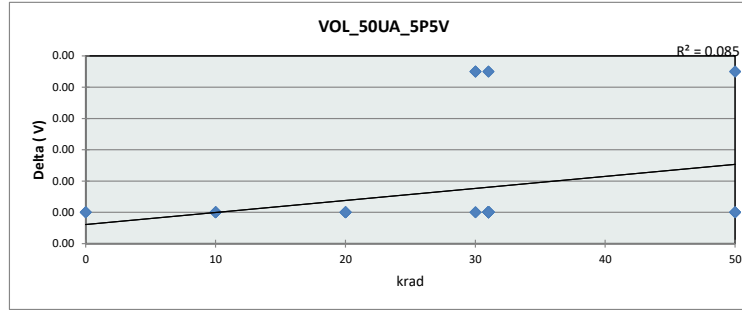


# TID Report

## SN54SC4T08-SEP

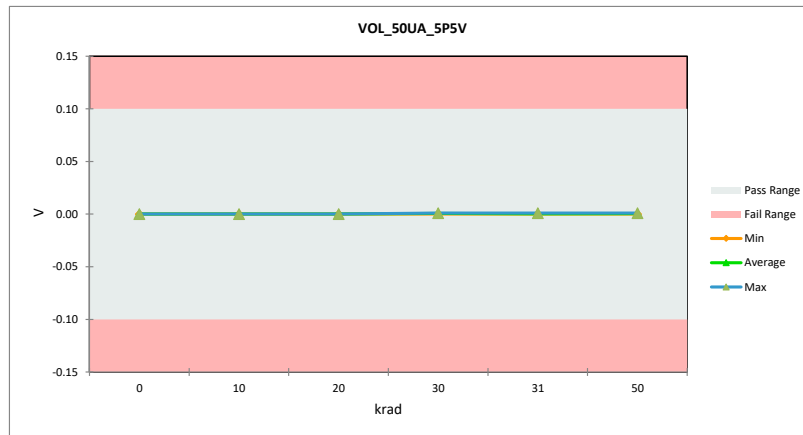
VOL_50UA_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Unit	V	V
Max Limit	0.1	0.1
Min Limit	-0.1	-0.1

krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.000	0.000	0.00	0.00%	0.00%
0	2	0.000	0.000	0.00	0.00%	0.00%
0	3	0.000	0.000	0.00	0.00%	0.00%
10	4	0.000	0.000	0.00	0.00%	0.00%
10	5	0.000	0.000	0.00	0.00%	0.00%
10	6	0.000	0.000	0.00	0.00%	0.00%
10	7	0.000	0.000	0.00	0.00%	0.00%
10	8	0.000	0.000	0.00	0.00%	0.00%
20	9	0.000	0.000	0.00	0.00%	0.00%
20	10	0.000	0.000	0.00	0.00%	0.00%
20	11	0.000	0.000	0.00	0.00%	0.00%
20	12	0.000	0.000	0.00	0.00%	0.00%
20	13	0.000	0.000	0.00	0.00%	0.00%
30	14	0.000	0.000	0.00	0.00%	0.00%
30	15	0.000	0.000	0.00	0.00%	0.00%
30	16	0.000	0.001	0.00	900.00%	0.45%
30	17	0.000	0.001	0.00	900.00%	0.45%
30	18	0.000	0.001	0.00	900.00%	0.45%
31	19	0.000	0.000	0.00	0.00%	0.00%
31	20	0.000	0.000	0.00	0.00%	0.00%
31	21	0.000	0.000	0.00	0.00%	0.00%
31	22	0.000	0.000	0.00	0.00%	0.00%
31	23	0.000	0.000	0.00	0.00%	0.00%
31	24	0.000	0.000	0.00	0.00%	0.00%
31	25	0.000	0.000	0.00	0.00%	0.00%
31	26	0.000	0.000	0.00	0.00%	0.00%
31	27	0.000	0.000	0.00	0.00%	0.00%
31	28	0.000	0.000	0.00	0.00%	0.00%
31	29	0.000	0.000	0.00	0.00%	0.00%
31	30	0.000	0.000	0.00	0.00%	0.00%
31	31	0.000	0.000	0.00	0.00%	0.00%
31	32	0.000	0.000	0.00	0.00%	0.00%
31	33	0.000	0.000	0.00	0.00%	0.00%
31	34	0.000	0.000	0.00	0.00%	0.00%
31	35	0.000	0.000	0.00	0.00%	0.00%
31	36	0.000	0.001	0.00	900.00%	0.45%
31	37	0.000	0.001	0.00	900.00%	0.45%
31	38	0.000	0.000	0.00	0.00%	0.00%
31	39	0.000	0.000	0.00	0.00%	0.00%
31	40	0.000	0.000	0.00	0.00%	0.00%
31	41	0.000	0.000	0.00	0.00%	0.00%
31	42	0.000	0.000	0.00	0.00%	0.00%
50	43	0.000	0.001	0.00	900.00%	0.45%
50	44	0.000	0.001	0.00	900.00%	0.45%
50	45	0.000	0.000	0.00	0.00%	0.00%
50	46	0.000	0.000	0.00	0.00%	0.00%
50	47	0.000	0.000	0.00	0.00%	0.00%
	Max	0.000	0.001	0.00	900.00%	0.45%
	Average	0.000	0.000	0.00	134.04%	0.07%
	Min	0.000	0.000	0.00	0.00%	0.00%
	Std Dev	0.000	0.000	0.00	323.89%	0.16%



VOL_50UA_5P5V		
Test Site	SLAB	SLAB
Tester	ETS88B	ETS88B
Test Number	EQ773904	EQ773904
Max Limit	0.1	V
Min Limit	-0.1	V

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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