

SN54SC6T07-SEP Total Ionizing Dose (TID) Report



ABSTRACT

This report discusses the radiation characterization results of the SN54SC6T07-SEP radiation tolerant, hex open-drain buffer with integrated translation. The study was done to determine Total Ionizing Dose (TID) effects under high dose rate (HDR) up to 50krad(Si) as a one time characterization. The results show that all samples passed within the specified limits up to 50krad(Si). Radiation Lot Acceptance Testing (RLAT) will be performed using five units at a dose level of 30 krad(Si) for future wafer lots per MIL-STD-883 TM 1019.

The SN54SC6T07-SEP is packaged in a space enhanced plastic for low outgassing characteristics and is Single Event Latch-Up (SEL) immune up to 43MeV-cm² / mg, which makes the device an option for low Earth orbit space applications.

The SN54SC6T07-SEP Total Ionizing Dose (TID) Report covers the TID performance of all four devices listed below. The SN54SC6T07-SEP device covers all functional blocks and active die area of the other three devices, which is why the device was selected for total ionizing dose testing for this group of voltage translation devices.

- SN54SC6T07-SEP
- SN54SC6T06-SEP
- SN54SC6T14-SEP
- SN54SC6T17-SEP

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1 Device Information

The SN54SC6T07-SEP device contains six independent buffers with open-drain outputs and extended voltage operation to allow for level translation. Each buffer performs the Boolean function $Y = A$ in positive logic. The output level is referenced to the supply voltage (VCC) and supports 1.2V, 1.8V, 2.5V, 3.3V, and 5V CMOS levels.

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

1.1 Device Details

[Table 1-1](#) lists the device information used for TID HDR characterization and qualification.

Table 1-1. Device and Exposure Details

| TID HDR Details: up to 50 krad(Si) | |
|------------------------------------|--|
| TI Device Number | SN54SC6T07-SEP |
| Package | 14-pin PW (TSSOP) |
| Technology | LBC9 |
| Die Lot Number | 2208585RFB |
| A/T Lot Number and Date Code | 3288329ML3 / 33AF4CK |
| Quantity Tested | 27 irradiated devices + four control |
| Lot Accept or Reject | Devices passed 30krad(Si) |
| HDR Radiation Facility | Texas Instruments CLAB in Dallas, Texas |
| HDR Dose Level | 10krad(Si), 20krad(Si), 30krad(Si), 50krad(Si) |
| HDR Dose Rate | 192.51 -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 SN54SC6T07-SEP samples were irradiated at a high dose rate of 192.51rad(Si) / s up to 50krad(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 SN54SC6T07-SEP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at a TI facility in Dallas, Texas. The unattenuated dose rate of this cell is 192.51 rads(Si) / s. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and full post radiation electrical evaluation using Texas Instruments ATE was conducted. ATE test limits are set per data sheet electrical limits based on qualification and characterization data. Post radiation measurements were taken within 30 minutes of removing the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post radiation measurements.

2.3 Test Setup Details

The devices were tested in biased conditions as described in the following sections.

2.3.1 Bias Diagram

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

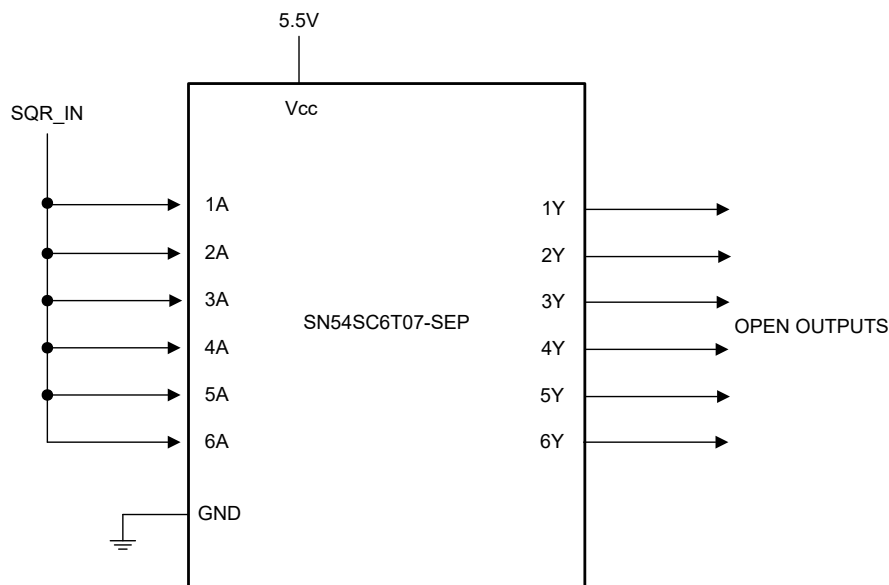


Figure 2-1. SN54SC6T07-SEP Biased Diagram

2.4 Test Configuration and Condition

A step stress (10k, 20k, 30k and 50k) test method was used to determine the TID hardness level. That is, after a predetermined TID level was reached, an electrical test was performed on a given sample of parts to verify that the units are within specified data sheet electrical test limits. The RLAT units were parametrically tested on ATE and then put through 25°C anneal for 72 hours. The units were then put through parametric testing again on the ATE.

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

Table 2-1. HDR Device Information

| Control Group | HDR = 192.51rad(Si)/s | | | | |
|------------------|-----------------------|------------|------------|----------------------------|-------------|
| Total Samples: 4 | Total Samples: 27 | | | | |
| | Exposure Levels | | | | |
| 0krad (Si) | 10krad (Si) | 20krad(Si) | 30krad(Si) | | 50krad (Si) |
| Biased | Biased | Biased | Biased | Biased + 72 hour anneal | Biased |
| 1 - 4 | 5 - 9 | 10 - 14 | 15 - 20 | 21 - 26 | 27 - 31 |

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the SN54SC6T07-SEP passes up to 30krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the SN54SC6T07-SEP showed a strong degree of hardness to HDR TID irradiation up to 30krad(Si). The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level. The parameters that showed a greater degree of change between pre- and post-irradiation were within the electrical performance characteristics specified in the data sheet electrical parameters.

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

3.2 Specification Compliance Matrix

Table 3-1. Electrical Parameters Table

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

Table 3-1. Electrical Parameters Table (continued)

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

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

4 Reference Documents

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

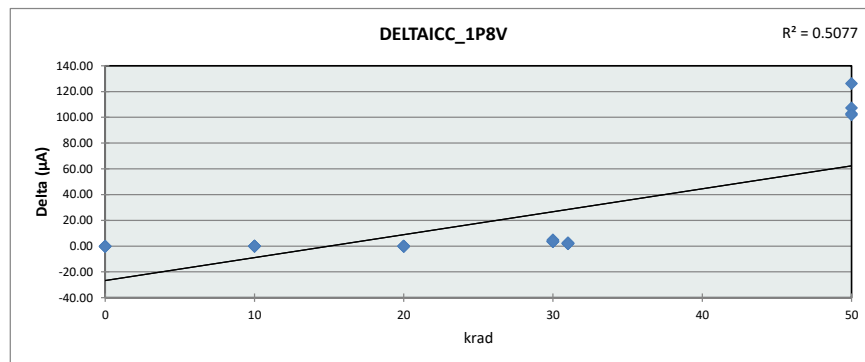
5 Appendix: HDR TID Report Data

This appendix provides the SN54SC6T07-SEP TID HDR report. The report shows the variation for each parameter up to 50krad(Si).

TID Report SN54SC6T07-SEP

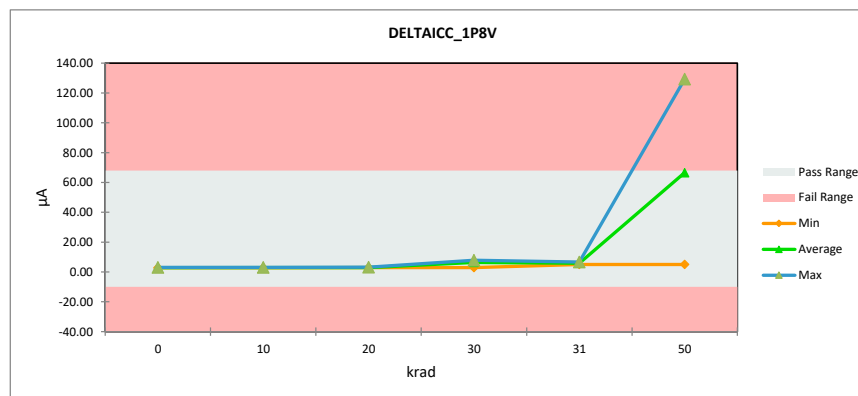
| DELTAICC_1P8V | |
|---------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | µA |
| Max Limit | 68 |
| Min Limit | -10 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|--------|----------|------------------|
| 0 | 1 | 3.167 | 2.823 | -0.34 | -10.86% | 0.44% |
| 0 | 2 | 2.917 | 2.854 | -0.06 | -2.16% | 0.08% |
| 0 | 3 | 3.136 | 3.042 | -0.09 | -3.00% | 0.12% |
| 0 | 4 | 3.073 | 2.917 | -0.16 | -5.08% | 0.20% |
| 10 | 5 | 2.948 | 2.854 | -0.09 | -3.19% | 0.12% |
| 10 | 6 | 3.073 | 3.073 | 0.00 | 0.00% | 0.00% |
| 10 | 7 | 3.073 | 2.885 | -0.19 | -6.12% | 0.24% |
| 10 | 8 | 3.011 | 3.073 | 0.06 | 2.06% | 0.08% |
| 10 | 9 | 2.854 | 2.917 | 0.06 | 2.21% | 0.08% |
| 20 | 10 | 2.979 | 2.885 | -0.09 | -3.16% | 0.12% |
| 20 | 11 | 3.261 | 3.073 | -0.19 | -5.77% | 0.24% |
| 20 | 12 | 3.073 | 2.979 | -0.09 | -3.06% | 0.12% |
| 20 | 13 | 3.011 | 3.136 | 0.13 | 4.15% | 0.16% |
| 20 | 14 | 3.198 | 2.948 | -0.25 | -7.82% | 0.32% |
| 30 | 15 | 3.104 | 7.330 | 4.23 | 136.15% | 5.42% |
| 30 | 16 | 3.073 | 6.579 | 3.51 | 114.09% | 4.49% |
| 30 | 17 | 2.979 | 7.831 | 4.85 | 162.87% | 6.22% |
| 30 | 18 | 3.011 | 6.986 | 3.98 | 132.02% | 5.10% |
| 30 | 19 | 3.073 | 6.548 | 3.48 | 113.08% | 4.46% |
| 30 | 20 | 3.230 | 6.642 | 3.41 | 105.63% | 4.37% |
| 31 | 21 | 3.104 | 5.264 | 2.16 | 69.59% | 2.77% |
| 31 | 22 | 3.073 | 5.014 | 1.94 | 63.16% | 2.49% |
| 31 | 23 | 2.979 | 5.577 | 2.60 | 87.21% | 3.33% |
| 31 | 24 | 3.011 | 5.452 | 2.44 | 81.07% | 3.13% |
| 31 | 25 | 3.073 | 5.139 | 2.07 | 67.23% | 2.65% |
| 31 | 26 | 3.230 | 5.014 | 1.78 | 55.23% | 2.29% |
| 50 | 27 | 3.073 | 129.300 | 126.23 | 4107.61% | 161.83% |
| 50 | 28 | 2.979 | 105.800 | 102.82 | 3451.53% | 131.82% |
| 50 | 29 | 2.948 | 110.300 | 107.35 | 3641.52% | 137.63% |
| 50 | 30 | 3.042 | 105.000 | 101.96 | 3351.68% | 130.72% |
| 50 | 31 | 3.104 | 84.340 | 81.24 | 2617.14% | 104.15% |
| Max | | 3.261 | 129.300 | 126.04 | 4107.61% | 161.83% |
| Average | | 3.059 | 18.841 | 15.78 | 523.26% | 20.37% |
| Min | | 2.854 | 2.823 | -0.03 | -10.86% | 0.00% |
| Std Dev | | 0.095 | 37.617 | 37.52 | 1248.39% | 48.19% |



| DELTAICC_1P8V | |
|---------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | µA |
| Max Limit | 68 |
| Min Limit | -10 |

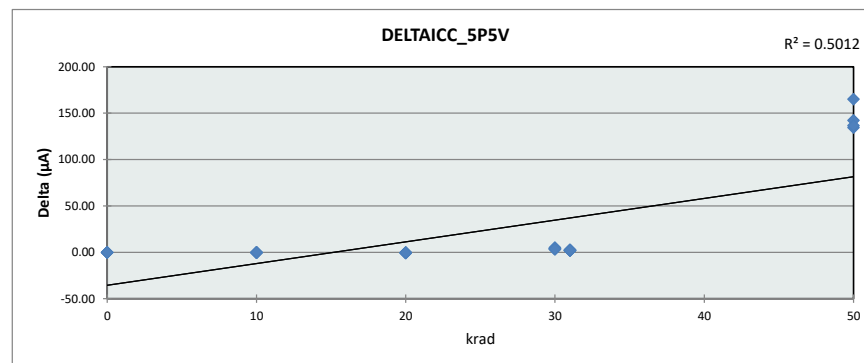
| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|--------|--------|--------|--------|--------|--------|
| krad | | | | | | |
| LL | -10.00 | -10.00 | -10.00 | -10.00 | -10.00 | -10.00 |
| Min | 2.82 | 2.85 | 2.89 | 2.95 | 5.01 | 5.01 |
| Average | 2.91 | 2.96 | 3.00 | 6.33 | 5.81 | 66.57 |
| Max | 3.04 | 3.07 | 3.14 | 7.83 | 6.64 | 129.30 |
| UL | 68.00 | 68.00 | 68.00 | 68.00 | 68.00 | 68.00 |



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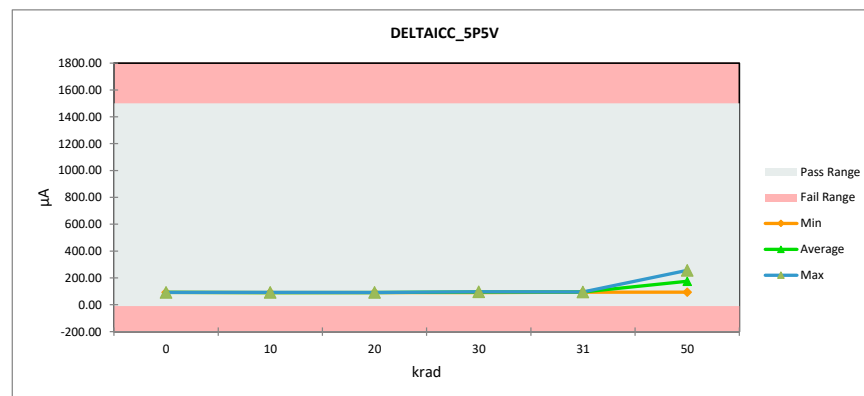
| DELTAICC_5P5V | |
|---------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | µA |
| Max Limit | 1500 |
| Min Limit | -10 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|--------|---------|------------------|
| 0 | 1 | 92.260 | 92.160 | -0.10 | -0.11% | 0.01% |
| 0 | 2 | 92.350 | 92.100 | -0.25 | -0.27% | 0.02% |
| 0 | 3 | 92.220 | 91.940 | -0.28 | -0.30% | 0.02% |
| 0 | 4 | 91.190 | 91.030 | -0.16 | -0.18% | 0.01% |
| 10 | 5 | 91.380 | 91.000 | -0.38 | -0.42% | 0.03% |
| 10 | 6 | 91.470 | 91.410 | -0.06 | -0.07% | 0.00% |
| 10 | 7 | 92.440 | 91.940 | -0.50 | -0.54% | 0.03% |
| 10 | 8 | 92.440 | 91.940 | -0.50 | -0.54% | 0.03% |
| 10 | 9 | 91.660 | 91.540 | -0.12 | -0.13% | 0.01% |
| 20 | 10 | 91.790 | 91.570 | -0.22 | -0.24% | 0.01% |
| 20 | 11 | 92.040 | 91.030 | -1.01 | -1.10% | 0.07% |
| 20 | 12 | 91.500 | 90.880 | -0.62 | -0.68% | 0.04% |
| 20 | 13 | 91.570 | 91.000 | -0.57 | -0.62% | 0.04% |
| 20 | 14 | 91.720 | 91.100 | -0.62 | -0.68% | 0.04% |
| 30 | 15 | 92.070 | 96.260 | 4.19 | 4.55% | 0.28% |
| 30 | 16 | 91.850 | 95.640 | 3.79 | 4.13% | 0.25% |
| 30 | 17 | 91.940 | 96.920 | 4.98 | 5.42% | 0.33% |
| 30 | 18 | 91.630 | 95.390 | 3.76 | 4.10% | 0.25% |
| 30 | 19 | 92.100 | 95.200 | 3.10 | 3.37% | 0.21% |
| 30 | 20 | 92.040 | 95.510 | 3.47 | 3.77% | 0.23% |
| 31 | 21 | 92.070 | 94.350 | 2.28 | 2.48% | 0.15% |
| 31 | 22 | 91.850 | 93.820 | 1.97 | 2.14% | 0.13% |
| 31 | 23 | 91.940 | 94.230 | 2.29 | 2.49% | 0.15% |
| 31 | 24 | 91.630 | 94.230 | 2.60 | 2.84% | 0.17% |
| 31 | 25 | 92.100 | 93.980 | 1.88 | 2.04% | 0.12% |
| 31 | 26 | 92.040 | 93.980 | 1.94 | 2.11% | 0.13% |
| 50 | 27 | 91.440 | 256.400 | 164.96 | 180.40% | 10.92% |
| 50 | 28 | 91.160 | 225.600 | 134.44 | 147.48% | 8.90% |
| 50 | 29 | 91.630 | 233.700 | 142.07 | 155.05% | 9.41% |
| 50 | 30 | 91.910 | 228.600 | 136.69 | 148.72% | 9.05% |
| 50 | 31 | 91.100 | 198.900 | 107.80 | 118.33% | 7.14% |
| Max | | 92.440 | 256.400 | 163.96 | 180.40% | 10.92% |
| Average | | 91.848 | 112.148 | 20.30 | 22.17% | 1.37% |
| Min | | 91.160 | 90.880 | -0.28 | -1.10% | 0.00% |
| Std Dev | | 0.345 | 49.675 | 49.33 | 54.41% | 3.29% |



| DELTAICC_5P5V | |
|---------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | µA |
| Max Limit | 1500 |
| Min Limit | -10 |

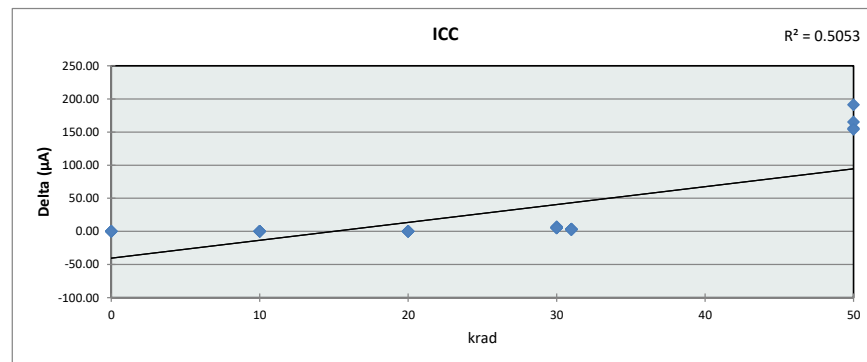
| | krad | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|---------|---------|---------|---------|---------|---------|
| LL | | -10.00 | -10.00 | -10.00 | -10.00 | -10.00 | -10.00 |
| Min | | 91.94 | 91.00 | 90.88 | 91.10 | 93.82 | 93.98 |
| Average | | 92.07 | 91.46 | 91.20 | 95.06 | 94.62 | 175.21 |
| Max | | 92.16 | 91.94 | 91.57 | 96.92 | 95.51 | 256.40 |
| UL | | 1500.00 | 1500.00 | 1500.00 | 1500.00 | 1500.00 | 1500.00 |



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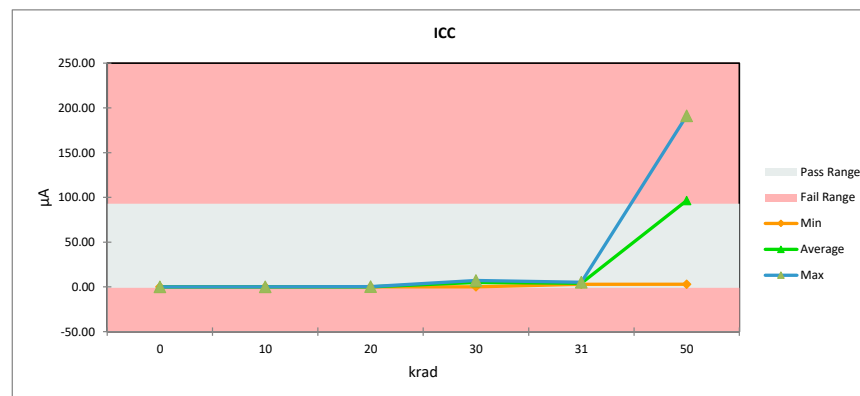
| ICC | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | µA |
| Max Limit | 93 |
| Min Limit | -1 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|--------|-------------|------------------|
| 0 | 1 | 0.003 | 0.003 | 0.00 | -16.39% | 0.00% |
| 0 | 2 | 0.003 | 0.003 | 0.00 | 5.01% | 0.00% |
| 0 | 3 | 0.003 | 0.003 | 0.00 | -3.14% | 0.00% |
| 0 | 4 | 0.003 | 0.003 | 0.00 | -21.03% | 0.00% |
| 10 | 5 | 0.003 | 0.003 | 0.00 | 4.27% | 0.00% |
| 10 | 6 | 0.003 | 0.003 | 0.00 | 9.24% | 0.00% |
| 10 | 7 | 0.003 | 0.004 | 0.00 | 31.19% | 0.00% |
| 10 | 8 | 0.003 | 0.003 | 0.00 | 16.92% | 0.00% |
| 10 | 9 | 0.003 | 0.003 | 0.00 | 4.27% | 0.00% |
| 20 | 10 | 0.003 | 0.063 | 0.06 | 2235.32% | 0.06% |
| 20 | 11 | 0.003 | 0.149 | 0.15 | 5334.31% | 0.16% |
| 20 | 12 | 0.003 | 0.232 | 0.23 | 7901.38% | 0.24% |
| 20 | 13 | 0.003 | 0.198 | 0.19 | 6438.72% | 0.21% |
| 20 | 14 | 0.003 | 0.052 | 0.05 | 1683.47% | 0.05% |
| 30 | 15 | 0.003 | 6.173 | 6.17 | 200062.13% | 6.56% |
| 30 | 16 | 0.003 | 5.371 | 5.37 | 202808.95% | 5.71% |
| 30 | 17 | 0.003 | 7.061 | 7.06 | 260549.69% | 7.51% |
| 30 | 18 | 0.003 | 5.583 | 5.58 | 190576.23% | 5.94% |
| 30 | 19 | 0.003 | 5.157 | 5.15 | 170548.58% | 5.48% |
| 30 | 20 | 0.003 | 5.240 | 5.24 | 168064.31% | 5.57% |
| 31 | 21 | 0.003 | 3.053 | 3.05 | 98894.81% | 3.24% |
| 31 | 22 | 0.003 | 2.868 | 2.87 | 108249.07% | 3.05% |
| 31 | 23 | 0.003 | 3.559 | 3.56 | 131276.89% | 3.78% |
| 31 | 24 | 0.003 | 3.469 | 3.47 | 118376.78% | 3.69% |
| 31 | 25 | 0.003 | 2.837 | 2.83 | 93778.23% | 3.01% |
| 31 | 26 | 0.003 | 2.872 | 2.87 | 92069.45% | 3.05% |
| 50 | 27 | 0.003 | 191.200 | 191.20 | 6978002.19% | 203.40% |
| 50 | 28 | 0.003 | 155.600 | 155.60 | 5370973.52% | 165.53% |
| 50 | 29 | 0.003 | 165.000 | 165.00 | 5757052.83% | 175.53% |
| 50 | 30 | 0.003 | 154.100 | 154.10 | 4896627.04% | 163.93% |
| 50 | 31 | 0.003 | 123.400 | 123.40 | 4083288.48% | 131.27% |
| Max | | 0.003 | 191.200 | 191.20 | 6978002.19% | 203.40% |
| Average | | 0.003 | 23.995 | 23.99 | 828717.81% | 25.52% |
| Min | | 0.003 | 0.003 | 0.00 | -21.03% | 0.00% |
| Std Dev | | 0.000 | 57.153 | 57.15 | 1985899.77% | 60.80% |



| ICC | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | µA |
| Max Limit | 93 |
| Min Limit | -1 |

| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|-------|-------|-------|-------|-------|--------|
| LL | -1.00 | -1.00 | -1.00 | -1.00 | -1.00 | -1.00 |
| Min | 0.00 | 0.00 | 0.00 | 0.05 | 2.87 | 2.84 |
| Average | 0.00 | 0.00 | 0.13 | 4.85 | 3.98 | 96.44 |
| Max | 0.00 | 0.00 | 0.23 | 7.06 | 5.24 | 191.20 |
| UL | 93.00 | 93.00 | 93.00 | 93.00 | 93.00 | 93.00 |

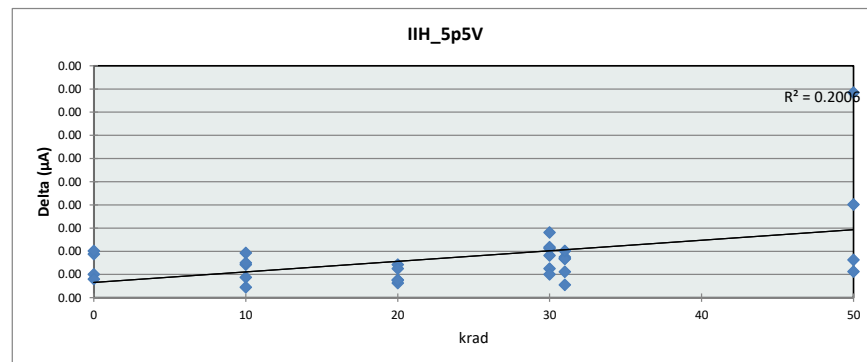


TID Report SN54SC6T07-SEP

IIH_5p5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | µA |
| Max Limit | 1 |
| Min Limit | -1 |

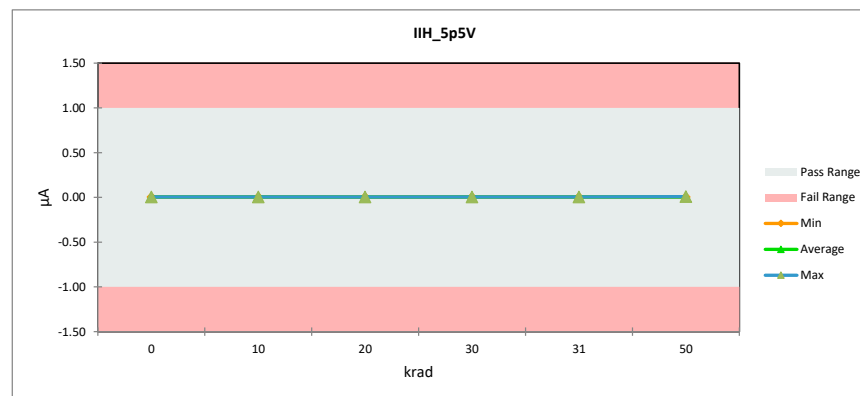
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.004 | 0.004 | 0.00 | 0.00% | 0.00% |
| 0 | 2 | 0.004 | 0.004 | 0.00 | -2.45% | 0.01% |
| 0 | 3 | 0.004 | 0.004 | 0.00 | 11.57% | 0.02% |
| 0 | 4 | 0.004 | 0.004 | 0.00 | 13.09% | 0.03% |
| 10 | 5 | 0.004 | 0.004 | 0.00 | -6.40% | 0.01% |
| 10 | 6 | 0.004 | 0.004 | 0.00 | 12.51% | 0.02% |
| 10 | 7 | 0.004 | 0.004 | 0.00 | 4.95% | 0.01% |
| 10 | 8 | 0.004 | 0.004 | 0.00 | 6.39% | 0.01% |
| 10 | 9 | 0.004 | 0.004 | 0.00 | -1.54% | 0.00% |
| 20 | 10 | 0.004 | 0.004 | 0.00 | -4.63% | 0.01% |
| 20 | 11 | 0.004 | 0.004 | 0.00 | -2.80% | 0.01% |
| 20 | 12 | 0.004 | 0.004 | 0.00 | -2.98% | 0.01% |
| 20 | 13 | 0.004 | 0.004 | 0.00 | 5.86% | 0.01% |
| 20 | 14 | 0.004 | 0.004 | 0.00 | 2.98% | 0.01% |
| 30 | 15 | 0.004 | 0.004 | 0.00 | 2.94% | 0.01% |
| 30 | 16 | 0.004 | 0.004 | 0.00 | 0.00% | 0.00% |
| 30 | 17 | 0.004 | 0.004 | 0.00 | 15.62% | 0.03% |
| 30 | 18 | 0.004 | 0.005 | 0.00 | 25.17% | 0.05% |
| 30 | 19 | 0.004 | 0.004 | 0.00 | 15.01% | 0.03% |
| 30 | 20 | 0.004 | 0.004 | 0.00 | 10.34% | 0.02% |
| 31 | 21 | 0.004 | 0.004 | 0.00 | -5.27% | 0.01% |
| 31 | 22 | 0.004 | 0.004 | 0.00 | 9.51% | 0.02% |
| 31 | 23 | 0.004 | 0.004 | 0.00 | 9.56% | 0.02% |
| 31 | 24 | 0.004 | 0.004 | 0.00 | 9.34% | 0.02% |
| 31 | 25 | 0.004 | 0.004 | 0.00 | 1.43% | 0.00% |
| 31 | 26 | 0.004 | 0.004 | 0.00 | 12.91% | 0.03% |
| 50 | 27 | 0.004 | 0.008 | 0.00 | 92.35% | 0.20% |
| 50 | 28 | 0.004 | 0.006 | 0.00 | 36.30% | 0.08% |
| 50 | 29 | 0.004 | 0.004 | 0.00 | 1.56% | 0.00% |
| 50 | 30 | 0.004 | 0.005 | 0.00 | 7.30% | 0.02% |
| 50 | 31 | 0.004 | 0.004 | 0.00 | -7.88% | 0.02% |
| Max | | 0.004 | 0.008 | 0.00 | 92.35% | 0.20% |
| Average | | 0.004 | 0.004 | 0.00 | 9.35% | 0.02% |
| Min | | 0.004 | 0.004 | 0.00 | -6.40% | 0.00% |
| Std Dev | | 0.000 | 0.001 | 0.00 | 18.21% | 0.04% |



IIH_5p5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | µA |
| Max Limit | 1 |
| Min Limit | -1 |

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



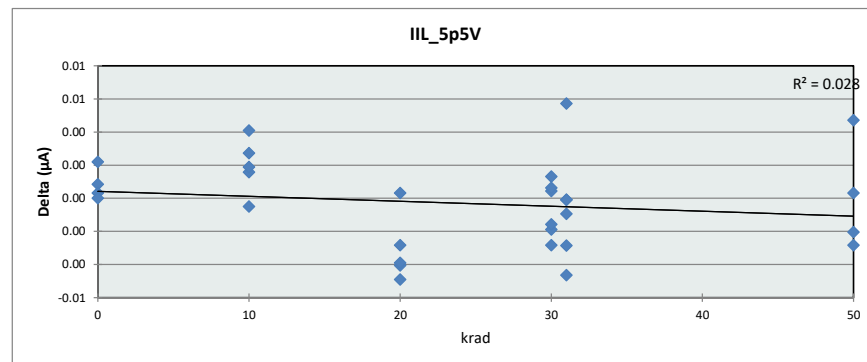
TID Report

SN54SC6T07-SEP

IIL_5p5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | µA |
| Max Limit | 1 |
| Min Limit | -1 |

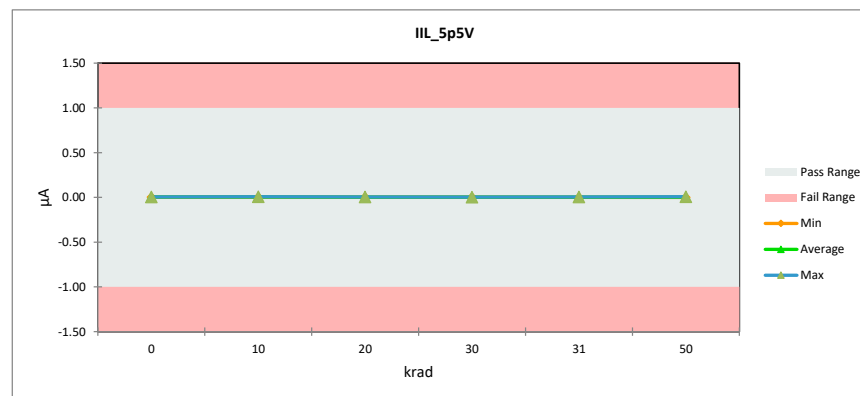
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|----------|------------------|
| 0 | 1 | 0.001 | 0.002 | 0.00 | 61.25% | 0.04% |
| 0 | 2 | 0.004 | 0.005 | 0.00 | 7.12% | 0.02% |
| 0 | 3 | 0.003 | 0.005 | 0.00 | 69.51% | 0.11% |
| 0 | 4 | 0.003 | 0.003 | 0.00 | 0.00% | 0.00% |
| 10 | 5 | 0.002 | 0.003 | 0.00 | 82.34% | 0.08% |
| 10 | 6 | 0.002 | 0.001 | 0.00 | -25.76% | 0.03% |
| 10 | 7 | 0.001 | 0.004 | 0.00 | 198.11% | 0.14% |
| 10 | 8 | 0.003 | 0.007 | 0.00 | 161.12% | 0.20% |
| 10 | 9 | 0.002 | 0.004 | 0.00 | 84.88% | 0.09% |
| 20 | 10 | 0.003 | 0.004 | 0.00 | 9.05% | 0.02% |
| 20 | 11 | 0.006 | 0.002 | 0.00 | -71.32% | 0.20% |
| 20 | 12 | 0.004 | 0.002 | 0.00 | -63.95% | 0.14% |
| 20 | 13 | 0.007 | 0.002 | 0.00 | -74.00% | 0.25% |
| 20 | 14 | 0.006 | 0.002 | 0.00 | -68.57% | 0.19% |
| 30 | 15 | 0.006 | 0.003 | 0.00 | -44.85% | 0.14% |
| 30 | 16 | 0.005 | 0.003 | 0.00 | -37.34% | 0.09% |
| 30 | 17 | 0.004 | 0.003 | 0.00 | -38.27% | 0.08% |
| 30 | 18 | 0.001 | 0.002 | 0.00 | 29.62% | 0.02% |
| 30 | 19 | 0.002 | 0.003 | 0.00 | 85.73% | 0.07% |
| 30 | 20 | 0.002 | 0.002 | 0.00 | 39.40% | 0.03% |
| 31 | 21 | 0.006 | 0.002 | 0.00 | -73.68% | 0.23% |
| 31 | 22 | 0.005 | 0.004 | 0.00 | -18.67% | 0.05% |
| 31 | 23 | 0.004 | 0.001 | 0.00 | -69.50% | 0.14% |
| 31 | 24 | 0.001 | 0.001 | 0.00 | -6.39% | 0.00% |
| 31 | 25 | 0.002 | 0.007 | 0.01 | 372.38% | 0.29% |
| 31 | 26 | 0.002 | 0.002 | 0.00 | -5.71% | 0.00% |
| 50 | 27 | 0.003 | 0.003 | 0.00 | 9.92% | 0.02% |
| 50 | 28 | 0.001 | -0.001 | 0.00 | -142.09% | 0.10% |
| 50 | 29 | 0.004 | 0.001 | 0.00 | -68.87% | 0.14% |
| 50 | 30 | 0.001 | 0.006 | 0.00 | 366.46% | 0.24% |
| 50 | 31 | 0.002 | 0.002 | 0.00 | 24.30% | 0.02% |
| | Max | 0.007 | 0.007 | 0.00 | 372.38% | 0.29% |
| | Average | 0.003 | 0.003 | 0.00 | 25.60% | 0.11% |
| | Min | 0.001 | -0.001 | 0.00 | -142.09% | 0.00% |
| | Std Dev | 0.002 | 0.002 | 0.00 | 119.13% | 0.08% |



IIL_5p5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | µA |
| Max Limit | 1 |
| Min Limit | -1 |

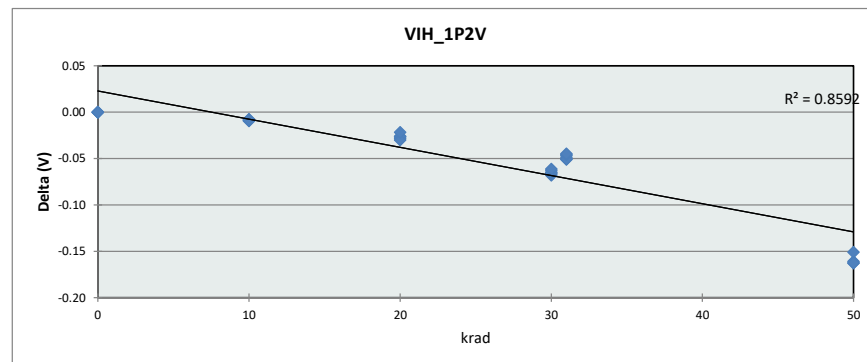
| krad | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|-------|-------|-------|-------|-------|-------|
| LL | -1.00 | -1.00 | -1.00 | -1.00 | -1.00 | -1.00 |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Max | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01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



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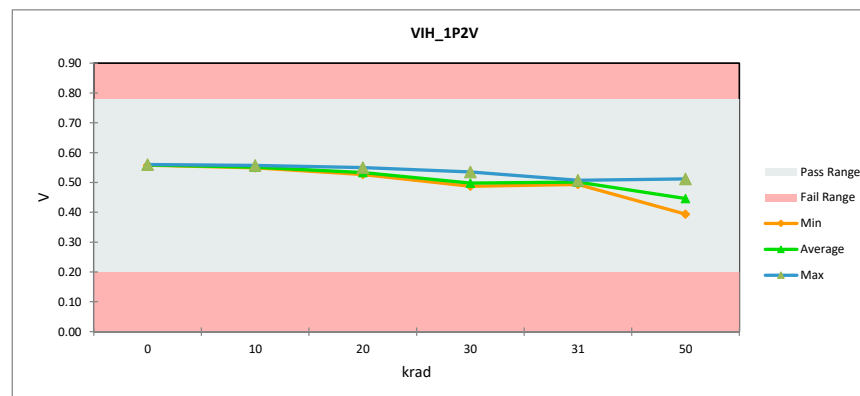
| VIH_1P2V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.78 |
| Min Limit | 0.2 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.560 | 0.560 | 0.00 | 0.00% | 0.00% |
| 0 | 2 | 0.558 | 0.558 | 0.00 | 0.00% | 0.00% |
| 0 | 3 | 0.559 | 0.558 | 0.00 | -0.07% | 0.06% |
| 0 | 4 | 0.558 | 0.557 | 0.00 | -0.02% | 0.02% |
| 10 | 5 | 0.557 | 0.549 | -0.01 | -1.55% | 1.49% |
| 10 | 6 | 0.559 | 0.551 | -0.01 | -1.46% | 1.41% |
| 10 | 7 | 0.560 | 0.551 | -0.01 | -1.69% | 1.63% |
| 10 | 8 | 0.557 | 0.549 | -0.01 | -1.37% | 1.32% |
| 10 | 9 | 0.559 | 0.550 | -0.01 | -1.54% | 1.49% |
| 20 | 10 | 0.559 | 0.533 | -0.03 | -4.65% | 4.48% |
| 20 | 11 | 0.556 | 0.528 | -0.03 | -5.08% | 4.87% |
| 20 | 12 | 0.553 | 0.527 | -0.03 | -4.82% | 4.60% |
| 20 | 13 | 0.558 | 0.528 | -0.03 | -5.38% | 5.17% |
| 20 | 14 | 0.557 | 0.535 | -0.02 | -3.91% | 3.75% |
| 30 | 15 | 0.554 | 0.490 | -0.06 | -11.66% | 11.14% |
| 30 | 16 | 0.555 | 0.487 | -0.07 | -12.29% | 11.77% |
| 30 | 17 | 0.555 | 0.489 | -0.07 | -11.99% | 11.48% |
| 30 | 18 | 0.556 | 0.490 | -0.07 | -11.81% | 11.32% |
| 30 | 19 | 0.556 | 0.493 | -0.06 | -11.30% | 10.84% |
| 30 | 20 | 0.557 | 0.495 | -0.06 | -11.02% | 10.58% |
| 31 | 21 | 0.554 | 0.507 | -0.05 | -8.47% | 8.09% |
| 31 | 22 | 0.555 | 0.505 | -0.05 | -9.11% | 8.72% |
| 31 | 23 | 0.555 | 0.506 | -0.05 | -8.84% | 8.46% |
| 31 | 24 | 0.556 | 0.505 | -0.05 | -9.18% | 8.80% |
| 31 | 25 | 0.556 | 0.510 | -0.05 | -8.25% | 7.91% |
| 31 | 26 | 0.557 | 0.512 | -0.04 | -8.04% | 7.72% |
| 50 | 27 | 0.555 | 0.394 | -0.16 | -29.01% | 27.75% |
| 50 | 28 | 0.560 | 0.397 | -0.16 | -29.08% | 28.08% |
| 50 | 29 | 0.558 | 0.407 | -0.15 | -27.04% | 26.03% |
| 50 | 30 | 0.559 | 0.397 | -0.16 | -29.06% | 28.03% |
| 50 | 31 | 0.558 | 0.410 | -0.15 | -26.56% | 25.55% |
| | Max | 0.560 | 0.560 | 0.00 | 0.00% | 28.08% |
| | Average | 0.557 | 0.507 | -0.05 | -8.92% | 8.57% |
| | Min | 0.553 | 0.394 | -0.16 | -29.08% | 0.00% |
| | Std Dev | 0.002 | 0.050 | 0.05 | 8.85% | 8.51% |



| VIH_1P2V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.78 |
| Min Limit | 0.2 |

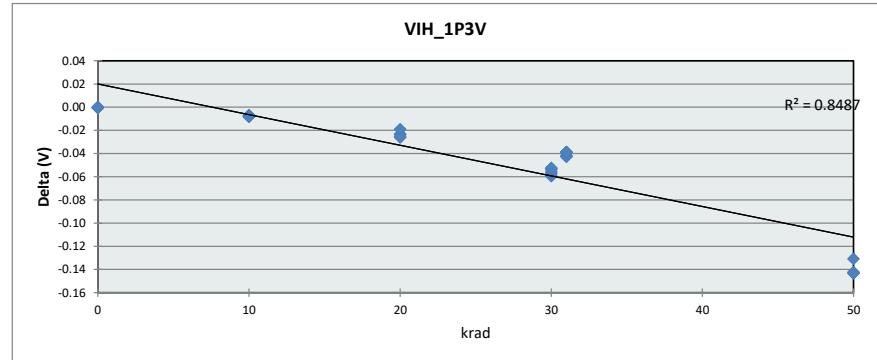
| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Min | 0.56 | 0.55 | 0.53 | 0.49 | 0.49 | 0.39 |
| Average | 0.56 | 0.55 | 0.53 | 0.50 | 0.50 | 0.45 |
| Max | 0.56 | 0.56 | 0.55 | 0.53 | 0.51 | 0.51 |
| UL | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 |



TID Report SN54SC6T07-SEP

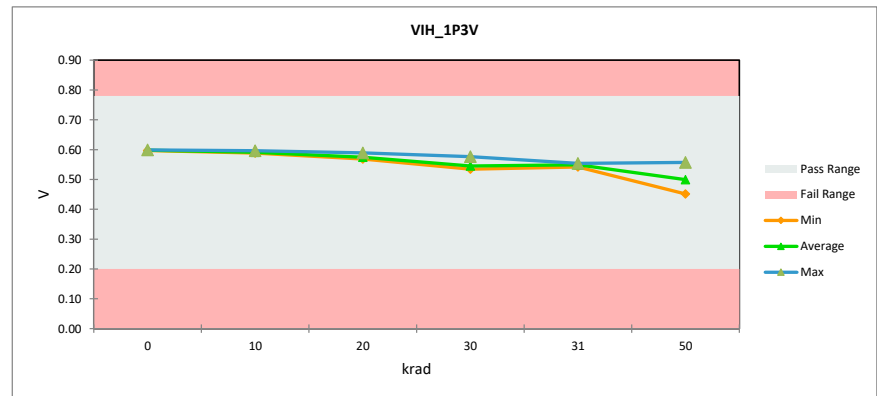
| VIH_1P3V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.78 |
| Min Limit | 0.2 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.599 | 0.599 | 0.00 | -0.03% | 0.03% |
| 0 | 2 | 0.599 | 0.598 | 0.00 | -0.08% | 0.08% |
| 0 | 3 | 0.598 | 0.597 | 0.00 | -0.10% | 0.11% |
| 0 | 4 | 0.597 | 0.597 | 0.00 | 0.00% | 0.00% |
| 10 | 5 | 0.596 | 0.588 | -0.01 | -1.34% | 1.38% |
| 10 | 6 | 0.597 | 0.590 | -0.01 | -1.17% | 1.20% |
| 10 | 7 | 0.600 | 0.592 | -0.01 | -1.29% | 1.33% |
| 10 | 8 | 0.595 | 0.588 | -0.01 | -1.22% | 1.25% |
| 10 | 9 | 0.598 | 0.589 | -0.01 | -1.39% | 1.43% |
| 20 | 10 | 0.598 | 0.575 | -0.02 | -3.87% | 3.99% |
| 20 | 11 | 0.594 | 0.569 | -0.03 | -4.31% | 4.42% |
| 20 | 12 | 0.592 | 0.568 | -0.02 | -4.02% | 4.10% |
| 20 | 13 | 0.596 | 0.570 | -0.03 | -4.38% | 4.49% |
| 20 | 14 | 0.595 | 0.576 | -0.02 | -3.20% | 3.29% |
| 30 | 15 | 0.593 | 0.539 | -0.05 | -9.08% | 9.28% |
| 30 | 16 | 0.594 | 0.535 | -0.06 | -10.00% | 10.25% |
| 30 | 17 | 0.595 | 0.537 | -0.06 | -9.66% | 9.91% |
| 30 | 18 | 0.595 | 0.539 | -0.06 | -9.41% | 9.65% |
| 30 | 19 | 0.595 | 0.542 | -0.05 | -8.90% | 9.13% |
| 30 | 20 | 0.596 | 0.544 | -0.05 | -8.79% | 9.03% |
| 31 | 21 | 0.593 | 0.554 | -0.04 | -6.57% | 6.72% |
| 31 | 22 | 0.594 | 0.552 | -0.04 | -7.15% | 7.33% |
| 31 | 23 | 0.595 | 0.553 | -0.04 | -7.04% | 7.22% |
| 31 | 24 | 0.595 | 0.552 | -0.04 | -7.18% | 7.36% |
| 31 | 25 | 0.595 | 0.556 | -0.04 | -6.51% | 6.68% |
| 31 | 26 | 0.596 | 0.557 | -0.04 | -6.51% | 6.69% |
| 50 | 27 | 0.594 | 0.451 | -0.14 | -23.97% | 24.53% |
| 50 | 28 | 0.599 | 0.456 | -0.14 | -23.87% | 24.65% |
| 50 | 29 | 0.597 | 0.466 | -0.13 | -21.92% | 22.57% |
| 50 | 30 | 0.599 | 0.456 | -0.14 | -23.91% | 24.70% |
| 50 | 31 | 0.597 | 0.467 | -0.13 | -21.82% | 22.46% |
| | Max | 0.600 | 0.599 | 0.00 | 0.00% | 24.70% |
| | Average | 0.596 | 0.553 | -0.04 | -7.23% | 7.43% |
| | Min | 0.592 | 0.451 | -0.14 | -23.97% | 0.00% |
| | Std Dev | 0.002 | 0.043 | 0.04 | 7.23% | 7.45% |



| VIH_1P3V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.78 |
| Min Limit | 0.2 |

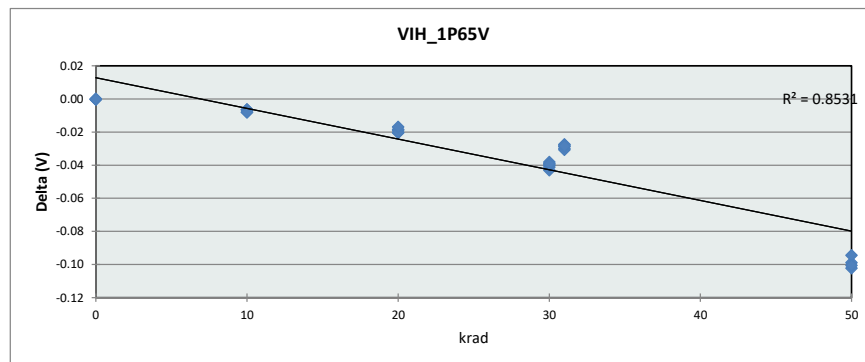
| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Min | 0.60 | 0.59 | 0.57 | 0.53 | 0.54 | 0.45 |
| Average | 0.60 | 0.59 | 0.57 | 0.55 | 0.55 | 0.50 |
| Max | 0.60 | 0.60 | 0.59 | 0.58 | 0.55 | 0.56 |
| UL | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 |



TID Report SN54SC6T07-SEP

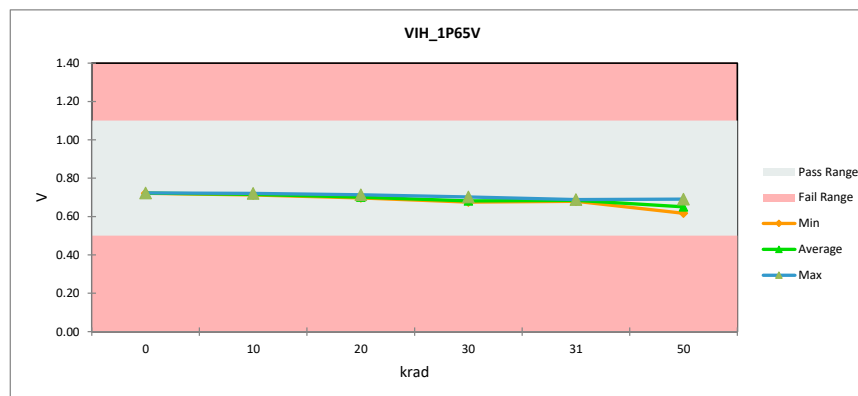
| VIH_1P65V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.1 |
| Min Limit | 0.5 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.723 | 0.723 | 0.00 | 0.01% | 0.01% |
| 0 | 2 | 0.722 | 0.721 | 0.00 | -0.05% | 0.06% |
| 0 | 3 | 0.723 | 0.722 | 0.00 | -0.05% | 0.05% |
| 0 | 4 | 0.721 | 0.721 | 0.00 | -0.03% | 0.03% |
| 10 | 5 | 0.720 | 0.712 | -0.01 | -1.13% | 1.35% |
| 10 | 6 | 0.722 | 0.715 | -0.01 | -0.93% | 1.11% |
| 10 | 7 | 0.722 | 0.716 | -0.01 | -0.88% | 1.06% |
| 10 | 8 | 0.719 | 0.712 | -0.01 | -0.91% | 1.10% |
| 10 | 9 | 0.722 | 0.714 | -0.01 | -1.11% | 1.34% |
| 20 | 10 | 0.722 | 0.703 | -0.02 | -2.56% | 3.08% |
| 20 | 11 | 0.718 | 0.697 | -0.02 | -2.86% | 3.42% |
| 20 | 12 | 0.716 | 0.697 | -0.02 | -2.64% | 3.15% |
| 20 | 13 | 0.717 | 0.697 | -0.02 | -2.81% | 3.36% |
| 20 | 14 | 0.719 | 0.702 | -0.02 | -2.36% | 2.83% |
| 30 | 15 | 0.716 | 0.677 | -0.04 | -5.48% | 6.55% |
| 30 | 16 | 0.717 | 0.676 | -0.04 | -5.76% | 6.88% |
| 30 | 17 | 0.718 | 0.675 | -0.04 | -6.00% | 7.18% |
| 30 | 18 | 0.717 | 0.677 | -0.04 | -5.62% | 6.71% |
| 30 | 19 | 0.718 | 0.680 | -0.04 | -5.32% | 6.36% |
| 30 | 20 | 0.719 | 0.680 | -0.04 | -5.46% | 6.55% |
| 31 | 21 | 0.716 | 0.688 | -0.03 | -3.88% | 4.64% |
| 31 | 22 | 0.717 | 0.687 | -0.03 | -4.18% | 5.00% |
| 31 | 23 | 0.718 | 0.688 | -0.03 | -4.27% | 5.12% |
| 31 | 24 | 0.717 | 0.688 | -0.03 | -4.02% | 4.80% |
| 31 | 25 | 0.718 | 0.690 | -0.03 | -3.83% | 4.58% |
| 31 | 26 | 0.719 | 0.691 | -0.03 | -3.98% | 4.77% |
| 50 | 27 | 0.716 | 0.617 | -0.10 | -13.81% | 16.48% |
| 50 | 28 | 0.722 | 0.620 | -0.10 | -14.15% | 17.03% |
| 50 | 29 | 0.721 | 0.627 | -0.09 | -13.10% | 15.74% |
| 50 | 30 | 0.722 | 0.621 | -0.10 | -13.93% | 16.76% |
| 50 | 31 | 0.721 | 0.628 | -0.09 | -12.88% | 15.47% |
| | Max | 0.723 | 0.723 | 0.00 | 0.01% | 17.03% |
| | Average | 0.719 | 0.688 | -0.03 | -4.37% | 5.24% |
| | Min | 0.716 | 0.617 | -0.10 | -14.15% | 0.01% |
| | Std Dev | 0.002 | 0.031 | 0.03 | 4.19% | 5.03% |



| VIH_1P65V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.1 |
| Min Limit | 0.5 |

| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Min | 0.72 | 0.71 | 0.70 | 0.68 | 0.68 | 0.62 |
| Average | 0.72 | 0.72 | 0.70 | 0.68 | 0.68 | 0.65 |
| Max | 0.72 | 0.72 | 0.71 | 0.70 | 0.69 | 0.69 |
| UL | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |

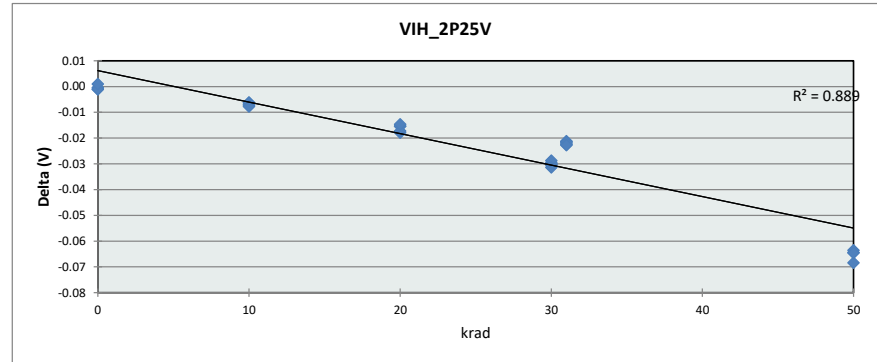


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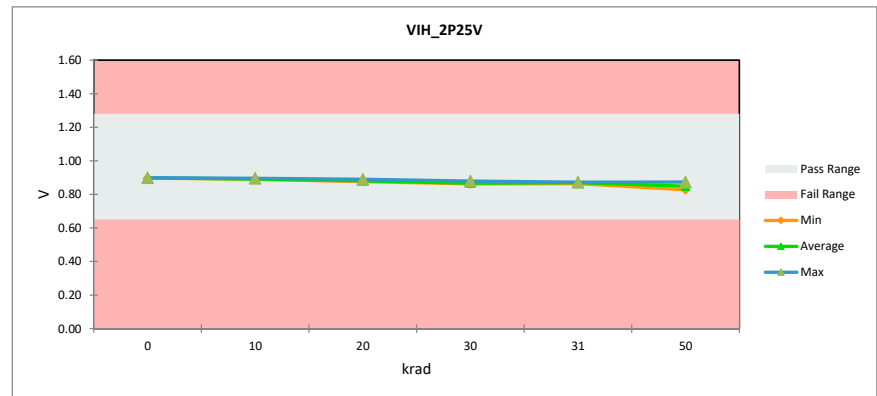
| VIH_2P25V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.28 |
| Min Limit | 0.65 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.901 | 0.899 | 0.00 | -0.12% | 0.18% |
| 0 | 2 | 0.897 | 0.897 | 0.00 | -0.04% | 0.06% |
| 0 | 3 | 0.899 | 0.898 | 0.00 | -0.10% | 0.15% |
| 0 | 4 | 0.895 | 0.896 | 0.00 | 0.11% | 0.15% |
| 10 | 5 | 0.897 | 0.891 | -0.01 | -0.71% | 1.01% |
| 10 | 6 | 0.898 | 0.891 | -0.01 | -0.78% | 1.12% |
| 10 | 7 | 0.897 | 0.890 | -0.01 | -0.81% | 1.15% |
| 10 | 8 | 0.896 | 0.890 | -0.01 | -0.69% | 0.98% |
| 10 | 9 | 0.898 | 0.890 | -0.01 | -0.86% | 1.22% |
| 20 | 10 | 0.896 | 0.881 | -0.02 | -1.71% | 2.44% |
| 20 | 11 | 0.895 | 0.877 | -0.02 | -2.00% | 2.84% |
| 20 | 12 | 0.893 | 0.878 | -0.02 | -1.73% | 2.45% |
| 20 | 13 | 0.893 | 0.876 | -0.02 | -1.93% | 2.74% |
| 20 | 14 | 0.894 | 0.879 | -0.01 | -1.64% | 2.33% |
| 30 | 15 | 0.894 | 0.864 | -0.03 | -3.34% | 4.75% |
| 30 | 16 | 0.893 | 0.863 | -0.03 | -3.41% | 4.83% |
| 30 | 17 | 0.894 | 0.864 | -0.03 | -3.31% | 4.70% |
| 30 | 18 | 0.894 | 0.864 | -0.03 | -3.37% | 4.78% |
| 30 | 19 | 0.895 | 0.867 | -0.03 | -3.21% | 4.57% |
| 30 | 20 | 0.896 | 0.864 | -0.03 | -3.51% | 4.98% |
| 31 | 21 | 0.894 | 0.872 | -0.02 | -2.48% | 3.52% |
| 31 | 22 | 0.893 | 0.872 | -0.02 | -2.40% | 3.40% |
| 31 | 23 | 0.894 | 0.873 | -0.02 | -2.37% | 3.37% |
| 31 | 24 | 0.894 | 0.872 | -0.02 | -2.52% | 3.57% |
| 31 | 25 | 0.895 | 0.874 | -0.02 | -2.42% | 3.44% |
| 31 | 26 | 0.896 | 0.873 | -0.02 | -2.54% | 3.62% |
| 50 | 27 | 0.892 | 0.827 | -0.06 | -7.22% | 10.22% |
| 50 | 28 | 0.898 | 0.829 | -0.07 | -7.62% | 10.86% |
| 50 | 29 | 0.898 | 0.834 | -0.06 | -7.08% | 10.09% |
| 50 | 30 | 0.896 | 0.832 | -0.06 | -7.20% | 10.24% |
| 50 | 31 | 0.898 | 0.834 | -0.06 | -7.09% | 10.10% |
| Max | | 0.901 | 0.899 | 0.00 | 0.11% | 10.86% |
| Average | | 0.896 | 0.873 | -0.02 | -2.57% | 3.66% |
| Min | | 0.892 | 0.827 | -0.06 | -7.62% | 0.06% |
| Std Dev | | 0.002 | 0.020 | 0.02 | 2.18% | 3.09% |



| VIH_2P25V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.28 |
| Min Limit | 0.65 |

| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 |
| Min | 0.90 | 0.89 | 0.88 | 0.86 | 0.86 | 0.83 |
| Average | 0.90 | 0.89 | 0.88 | 0.87 | 0.87 | 0.85 |
| Max | 0.90 | 0.90 | 0.89 | 0.88 | 0.87 | 0.87 |
| UL | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

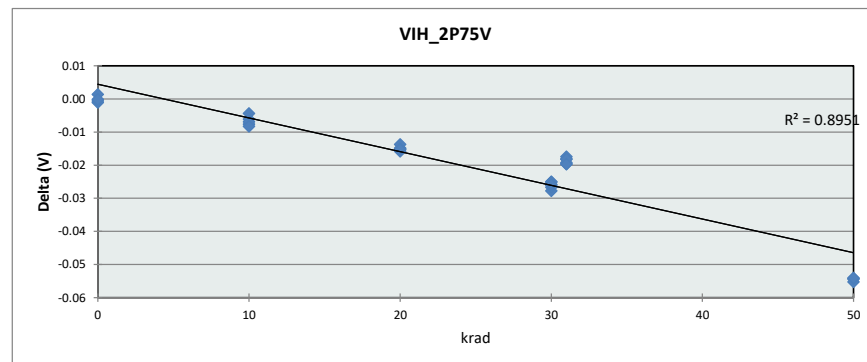


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VIH_2P75V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.28 |
| Min Limit | 0.65 |

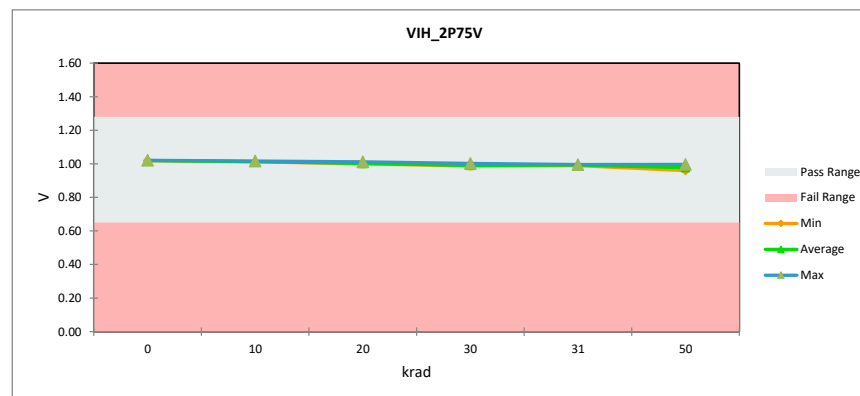
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 1.022 | 1.021 | 0.00 | -0.11% | 0.17% |
| 0 | 2 | 1.017 | 1.019 | 0.00 | 0.13% | 0.22% |
| 0 | 3 | 1.019 | 1.019 | 0.00 | -0.06% | 0.10% |
| 0 | 4 | 1.016 | 1.016 | 0.00 | -0.02% | 0.02% |
| 10 | 5 | 1.019 | 1.011 | -0.01 | -0.75% | 1.21% |
| 10 | 6 | 1.019 | 1.013 | -0.01 | -0.60% | 0.97% |
| 10 | 7 | 1.017 | 1.012 | 0.00 | -0.43% | 0.70% |
| 10 | 8 | 1.019 | 1.012 | -0.01 | -0.68% | 1.10% |
| 10 | 9 | 1.020 | 1.011 | -0.01 | -0.81% | 1.31% |
| 20 | 10 | 1.016 | 1.001 | -0.01 | -1.46% | 2.36% |
| 20 | 11 | 1.015 | 1.002 | -0.01 | -1.35% | 2.18% |
| 20 | 12 | 1.016 | 1.000 | -0.02 | -1.56% | 2.52% |
| 20 | 13 | 1.015 | 1.000 | -0.02 | -1.49% | 2.40% |
| 20 | 14 | 1.017 | 1.002 | -0.02 | -1.51% | 2.43% |
| 30 | 15 | 1.015 | 0.987 | -0.03 | -2.74% | 4.41% |
| 30 | 16 | 1.015 | 0.988 | -0.03 | -2.63% | 4.24% |
| 30 | 17 | 1.014 | 0.989 | -0.03 | -2.48% | 3.98% |
| 30 | 18 | 1.014 | 0.988 | -0.03 | -2.58% | 4.14% |
| 30 | 19 | 1.015 | 0.990 | -0.02 | -2.46% | 3.97% |
| 30 | 20 | 1.015 | 0.989 | -0.03 | -2.54% | 4.10% |
| 31 | 21 | 1.015 | 0.996 | -0.02 | -1.90% | 3.06% |
| 31 | 22 | 1.015 | 0.995 | -0.02 | -1.93% | 3.11% |
| 31 | 23 | 1.014 | 0.996 | -0.02 | -1.80% | 2.89% |
| 31 | 24 | 1.014 | 0.996 | -0.02 | -1.72% | 2.77% |
| 31 | 25 | 1.015 | 0.997 | -0.02 | -1.78% | 2.87% |
| 31 | 26 | 1.015 | 0.995 | -0.02 | -1.95% | 3.13% |
| 50 | 27 | 1.014 | 0.960 | -0.05 | -5.36% | 8.63% |
| 50 | 28 | 1.018 | 0.963 | -0.06 | -5.43% | 8.77% |
| 50 | 29 | 1.019 | 0.965 | -0.05 | -5.32% | 8.61% |
| 50 | 30 | 1.018 | 0.964 | -0.05 | -5.31% | 8.58% |
| 50 | 31 | 1.018 | 0.966 | -0.05 | -5.08% | 8.22% |
| Max | | 1.022 | 1.021 | 0.00 | 0.13% | 8.77% |
| Average | | 1.016 | 0.997 | -0.02 | -1.95% | 3.17% |
| Min | | 1.014 | 0.960 | -0.05 | -5.43% | 0.02% |
| Std Dev | | 0.002 | 0.017 | 0.01 | 1.59% | 2.55% |



VIH_2P75V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.28 |
| Min Limit | 0.65 |

| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 |
| Min | 1.02 | 1.01 | 1.00 | 0.99 | 0.99 | 0.96 |
| Average | 1.02 | 1.01 | 1.00 | 0.99 | 0.99 | 0.98 |
| Max | 1.02 | 1.02 | 1.01 | 1.00 | 1.00 | 1.00 |
| UL | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

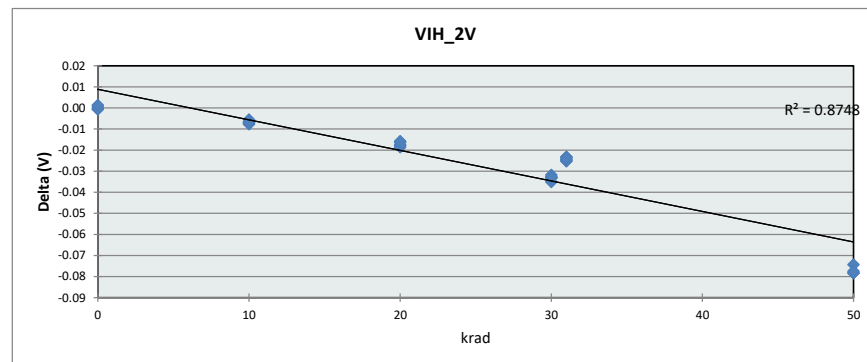


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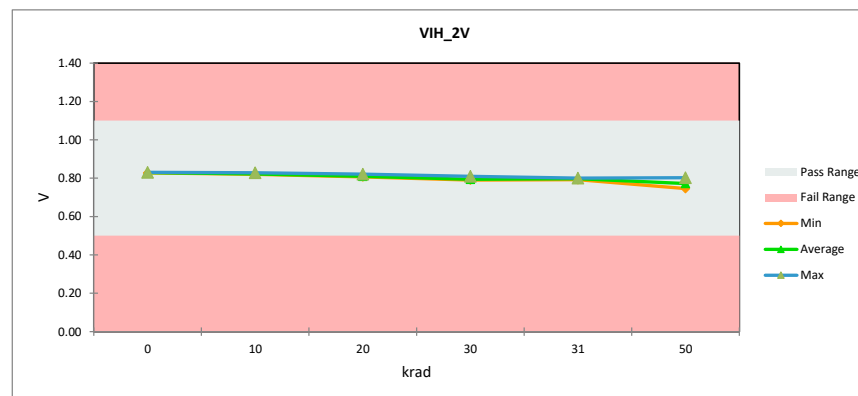
| VIH_2V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.1 |
| Min Limit | 0.5 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.830 | 0.831 | 0.00 | 0.06% | 0.08% |
| 0 | 2 | 0.828 | 0.828 | 0.00 | -0.08% | 0.11% |
| 0 | 3 | 0.830 | 0.829 | 0.00 | -0.06% | 0.08% |
| 0 | 4 | 0.827 | 0.828 | 0.00 | 0.16% | 0.22% |
| 10 | 5 | 0.828 | 0.821 | -0.01 | -0.85% | 1.17% |
| 10 | 6 | 0.829 | 0.823 | -0.01 | -0.67% | 0.93% |
| 10 | 7 | 0.828 | 0.821 | -0.01 | -0.93% | 1.28% |
| 10 | 8 | 0.827 | 0.820 | -0.01 | -0.80% | 1.11% |
| 10 | 9 | 0.828 | 0.821 | -0.01 | -0.86% | 1.19% |
| 20 | 10 | 0.827 | 0.810 | -0.02 | -2.12% | 2.92% |
| 20 | 11 | 0.825 | 0.806 | -0.02 | -2.26% | 3.10% |
| 20 | 12 | 0.823 | 0.807 | -0.02 | -1.99% | 2.72% |
| 20 | 13 | 0.825 | 0.807 | -0.02 | -2.16% | 2.96% |
| 20 | 14 | 0.826 | 0.810 | -0.02 | -1.91% | 2.63% |
| 30 | 15 | 0.824 | 0.791 | -0.03 | -3.97% | 5.45% |
| 30 | 16 | 0.824 | 0.791 | -0.03 | -4.01% | 5.51% |
| 30 | 17 | 0.825 | 0.790 | -0.04 | -4.26% | 5.86% |
| 30 | 18 | 0.825 | 0.792 | -0.03 | -3.99% | 5.49% |
| 30 | 19 | 0.826 | 0.794 | -0.03 | -3.85% | 5.29% |
| 30 | 20 | 0.826 | 0.792 | -0.03 | -4.04% | 5.55% |
| 31 | 21 | 0.824 | 0.800 | -0.02 | -2.83% | 3.88% |
| 31 | 22 | 0.824 | 0.798 | -0.03 | -3.07% | 4.21% |
| 31 | 23 | 0.825 | 0.800 | -0.02 | -2.98% | 4.10% |
| 31 | 24 | 0.825 | 0.800 | -0.02 | -3.00% | 4.13% |
| 31 | 25 | 0.826 | 0.803 | -0.02 | -2.82% | 3.88% |
| 31 | 26 | 0.826 | 0.802 | -0.02 | -2.89% | 3.98% |
| 50 | 27 | 0.824 | 0.746 | -0.08 | -9.50% | 13.05% |
| 50 | 28 | 0.829 | 0.750 | -0.08 | -9.46% | 13.07% |
| 50 | 29 | 0.828 | 0.754 | -0.07 | -8.98% | 12.39% |
| 50 | 30 | 0.827 | 0.750 | -0.08 | -9.36% | 12.91% |
| 50 | 31 | 0.829 | 0.755 | -0.07 | -8.90% | 12.30% |
| Max | | 0.830 | 0.831 | 0.00 | 0.16% | 13.07% |
| Average | | 0.826 | 0.801 | -0.03 | -3.12% | 4.31% |
| Min | | 0.823 | 0.746 | -0.08 | -9.50% | 0.08% |
| Std Dev | | 0.002 | 0.024 | 0.02 | 2.82% | 3.86% |



| VIH_2V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.1 |
| Min Limit | 0.5 |

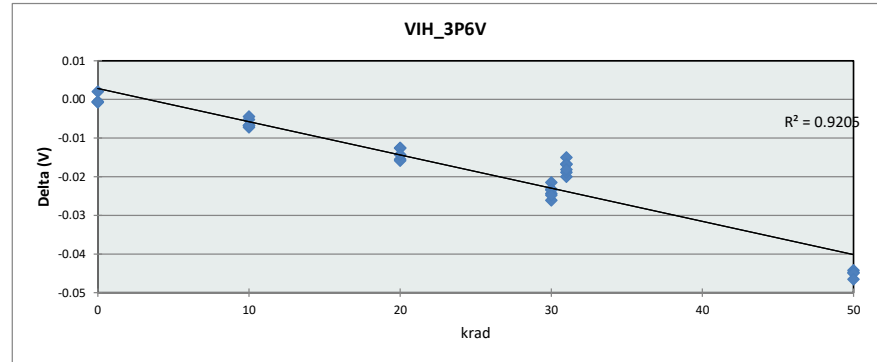
| krad | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Min | 0.83 | 0.82 | 0.81 | 0.79 | 0.79 | 0.75 |
| Average | 0.83 | 0.82 | 0.81 | 0.79 | 0.80 | 0.77 |
| Max | 0.83 | 0.83 | 0.82 | 0.81 | 0.80 | 0.80 |
| UL | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |



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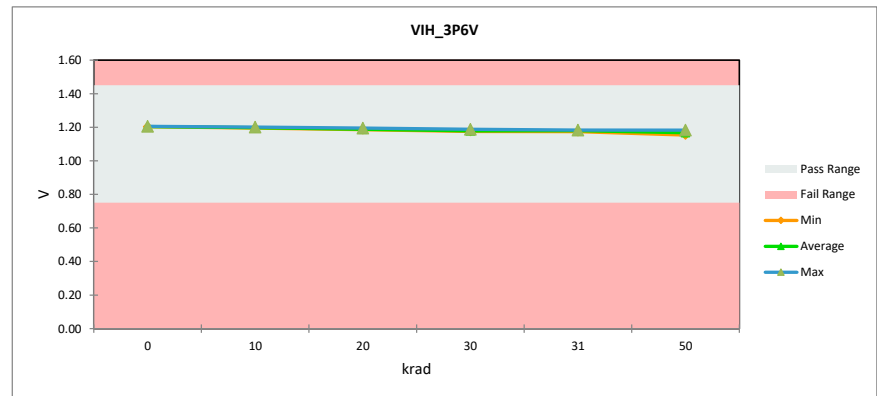
| VIH_3P6V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.45 |
| Min Limit | 0.75 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 1.206 | 1.205 | 0.00 | -0.05% | 0.08% |
| 0 | 2 | 1.201 | 1.203 | 0.00 | 0.17% | 0.29% |
| 0 | 3 | 1.204 | 1.203 | 0.00 | -0.06% | 0.10% |
| 0 | 4 | 1.201 | 1.201 | 0.00 | -0.05% | 0.09% |
| 10 | 5 | 1.203 | 1.196 | -0.01 | -0.60% | 1.03% |
| 10 | 6 | 1.205 | 1.198 | -0.01 | -0.56% | 0.96% |
| 10 | 7 | 1.200 | 1.195 | -0.01 | -0.43% | 0.74% |
| 10 | 8 | 1.204 | 1.200 | 0.00 | -0.37% | 0.63% |
| 10 | 9 | 1.202 | 1.196 | -0.01 | -0.57% | 0.97% |
| 20 | 10 | 1.198 | 1.185 | -0.01 | -1.05% | 1.79% |
| 20 | 11 | 1.202 | 1.187 | -0.02 | -1.29% | 2.21% |
| 20 | 12 | 1.201 | 1.186 | -0.02 | -1.32% | 2.26% |
| 20 | 13 | 1.199 | 1.186 | -0.01 | -1.05% | 1.80% |
| 20 | 14 | 1.202 | 1.188 | -0.01 | -1.19% | 2.04% |
| 30 | 15 | 1.199 | 1.176 | -0.02 | -1.94% | 3.32% |
| 30 | 16 | 1.198 | 1.176 | -0.02 | -1.79% | 3.07% |
| 30 | 17 | 1.203 | 1.177 | -0.03 | -2.17% | 3.73% |
| 30 | 18 | 1.199 | 1.175 | -0.02 | -2.03% | 3.48% |
| 30 | 19 | 1.201 | 1.178 | -0.02 | -1.95% | 3.35% |
| 30 | 20 | 1.199 | 1.174 | -0.02 | -2.07% | 3.54% |
| 31 | 21 | 1.199 | 1.182 | -0.02 | -1.40% | 2.39% |
| 31 | 22 | 1.198 | 1.183 | -0.02 | -1.25% | 2.14% |
| 31 | 23 | 1.203 | 1.183 | -0.02 | -1.66% | 2.86% |
| 31 | 24 | 1.199 | 1.183 | -0.02 | -1.40% | 2.40% |
| 31 | 25 | 1.201 | 1.182 | -0.02 | -1.57% | 2.70% |
| 31 | 26 | 1.199 | 1.180 | -0.02 | -1.52% | 2.59% |
| 50 | 27 | 1.198 | 1.153 | -0.04 | -3.69% | 6.32% |
| 50 | 28 | 1.202 | 1.157 | -0.04 | -3.72% | 6.39% |
| 50 | 29 | 1.203 | 1.158 | -0.04 | -3.74% | 6.42% |
| 50 | 30 | 1.203 | 1.156 | -0.05 | -3.87% | 6.65% |
| 50 | 31 | 1.204 | 1.160 | -0.04 | -3.66% | 6.29% |
| Max | | 1.206 | 1.205 | 0.00 | 0.17% | 6.65% |
| Average | | 1.201 | 1.183 | -0.02 | -1.47% | 2.55% |
| Min | | 1.198 | 1.153 | -0.04 | -3.87% | 0.08% |
| Std Dev | | 0.002 | 0.014 | 0.01 | 1.12% | 1.90% |



| VIH_3P6V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.45 |
| Min Limit | 0.75 |

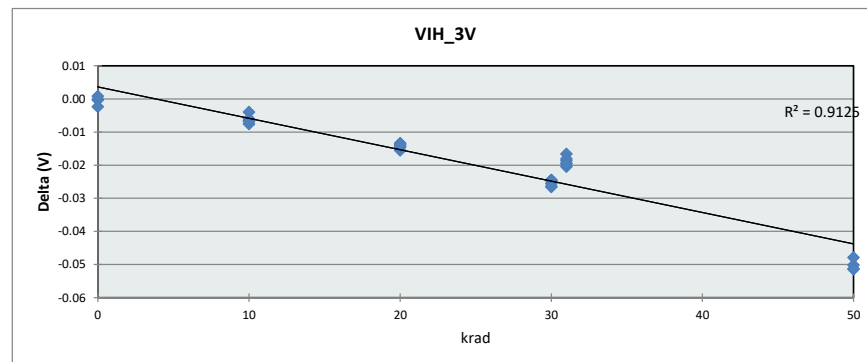
| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| Min | 1.20 | 1.20 | 1.19 | 1.18 | 1.17 | 1.15 |
| Average | 1.20 | 1.20 | 1.19 | 1.18 | 1.18 | 1.17 |
| Max | 1.21 | 1.20 | 1.20 | 1.19 | 1.18 | 1.18 |
| UL | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |



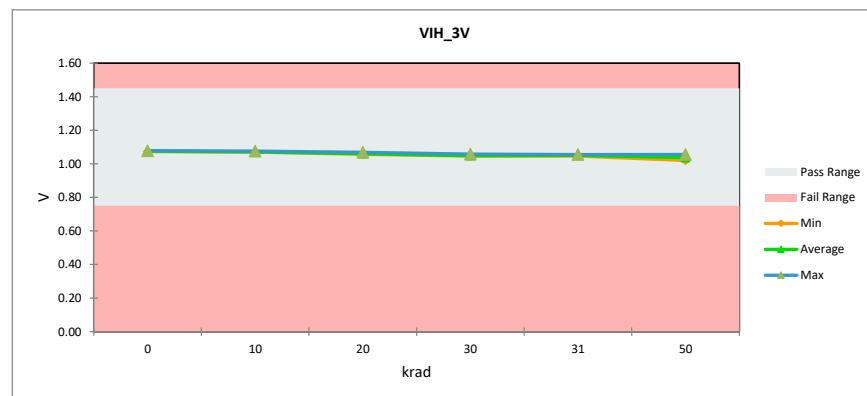
TID Report SN54SC6T07-SEP

| VIH_3V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.45 |
| Min Limit | 0.75 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 1.079 | 1.078 | 0.00 | -0.03% | 0.05% |
| 0 | 2 | 1.073 | 1.073 | 0.00 | -0.01% | 0.01% |
| 0 | 3 | 1.077 | 1.074 | 0.00 | -0.22% | 0.34% |
| 0 | 4 | 1.074 | 1.075 | 0.00 | 0.08% | 0.12% |
| 10 | 5 | 1.076 | 1.070 | -0.01 | -0.56% | 0.86% |
| 10 | 6 | 1.076 | 1.070 | -0.01 | -0.61% | 0.94% |
| 10 | 7 | 1.074 | 1.070 | 0.00 | -0.37% | 0.57% |
| 10 | 8 | 1.077 | 1.070 | -0.01 | -0.70% | 1.08% |
| 10 | 9 | 1.075 | 1.068 | -0.01 | -0.63% | 0.97% |
| 20 | 10 | 1.072 | 1.056 | -0.02 | -1.45% | 2.22% |
| 20 | 11 | 1.072 | 1.059 | -0.01 | -1.25% | 1.91% |
| 20 | 12 | 1.073 | 1.058 | -0.01 | -1.36% | 2.09% |
| 20 | 13 | 1.072 | 1.058 | -0.01 | -1.32% | 2.02% |
| 20 | 14 | 1.072 | 1.058 | -0.01 | -1.28% | 1.96% |
| 30 | 15 | 1.072 | 1.047 | -0.02 | -2.28% | 3.49% |
| 30 | 16 | 1.072 | 1.046 | -0.03 | -2.38% | 3.65% |
| 30 | 17 | 1.073 | 1.047 | -0.03 | -2.47% | 3.79% |
| 30 | 18 | 1.071 | 1.046 | -0.02 | -2.31% | 3.53% |
| 30 | 19 | 1.074 | 1.049 | -0.02 | -2.29% | 3.51% |
| 30 | 20 | 1.072 | 1.046 | -0.03 | -2.47% | 3.78% |
| 31 | 21 | 1.072 | 1.055 | -0.02 | -1.55% | 2.37% |
| 31 | 22 | 1.072 | 1.051 | -0.02 | -1.91% | 2.92% |
| 31 | 23 | 1.073 | 1.054 | -0.02 | -1.82% | 2.78% |
| 31 | 24 | 1.071 | 1.052 | -0.02 | -1.74% | 2.66% |
| 31 | 25 | 1.074 | 1.056 | -0.02 | -1.69% | 2.59% |
| 31 | 26 | 1.072 | 1.053 | -0.02 | -1.83% | 2.80% |
| 50 | 27 | 1.070 | 1.020 | -0.05 | -4.69% | 7.17% |
| 50 | 28 | 1.077 | 1.025 | -0.05 | -4.77% | 7.34% |
| 50 | 29 | 1.075 | 1.027 | -0.05 | -4.46% | 6.84% |
| 50 | 30 | 1.075 | 1.023 | -0.05 | -4.77% | 7.33% |
| 50 | 31 | 1.076 | 1.027 | -0.05 | -4.55% | 6.99% |
| Max | | 1.079 | 1.078 | 0.00 | 0.08% | 7.34% |
| Average | | 1.074 | 1.055 | -0.02 | -1.77% | 2.72% |
| Min | | 1.070 | 1.020 | -0.05 | -4.77% | 0.01% |
| Std Dev | | 0.002 | 0.016 | 0.01 | 1.39% | 2.12% |



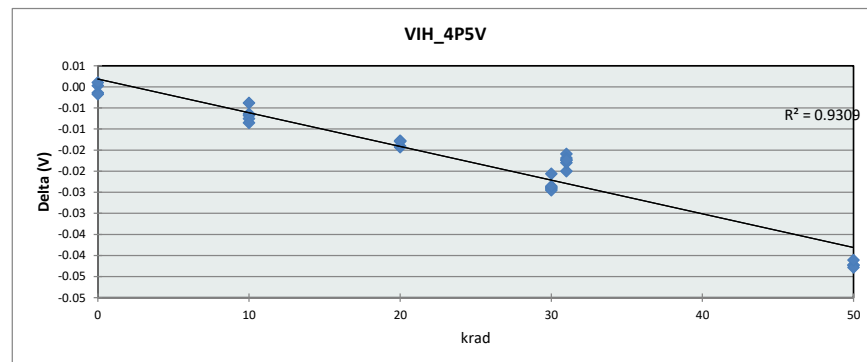
| VIH_3V | | 0 | 10 | 20 | 30 | 31 | 50 |
|-------------|----------|------|------|------|------|------|------|
| Test Site | SLAB | | | | | | |
| Tester | ETS88B | | | | | | |
| Test Number | EQ774300 | | | | | | |
| Units | V | | | | | | |
| Max Limit | 1.45 | | | | | | |
| Min Limit | 0.75 | | | | | | |
| LL | | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| Min | | 1.07 | 1.07 | 1.06 | 1.05 | 1.05 | 1.02 |
| Average | | 1.08 | 1.07 | 1.06 | 1.05 | 1.05 | 1.04 |
| Max | | 1.08 | 1.08 | 1.07 | 1.06 | 1.06 | 1.06 |
| UL | | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |



TID Report SN54SC6T07-SEP

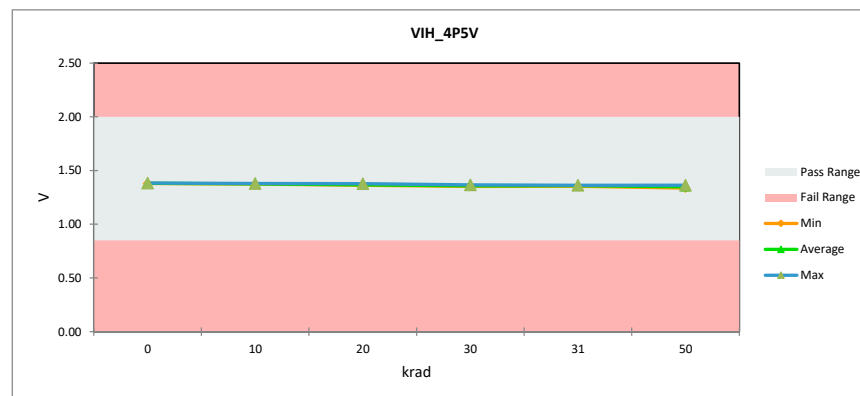
| VIH_4P5V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 2 |
| Min Limit | 0.85 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 1.383 | 1.383 | 0.00 | 0.02% | 0.02% |
| 0 | 2 | 1.378 | 1.379 | 0.00 | 0.08% | 0.09% |
| 0 | 3 | 1.383 | 1.381 | 0.00 | -0.10% | 0.12% |
| 0 | 4 | 1.381 | 1.380 | 0.00 | -0.13% | 0.15% |
| 10 | 5 | 1.381 | 1.374 | -0.01 | -0.49% | 0.59% |
| 10 | 6 | 1.382 | 1.375 | -0.01 | -0.46% | 0.56% |
| 10 | 7 | 1.381 | 1.374 | -0.01 | -0.55% | 0.66% |
| 10 | 8 | 1.384 | 1.376 | -0.01 | -0.61% | 0.74% |
| 10 | 9 | 1.381 | 1.377 | 0.00 | -0.28% | 0.33% |
| 20 | 10 | 1.377 | 1.363 | -0.01 | -1.04% | 1.24% |
| 20 | 11 | 1.380 | 1.367 | -0.01 | -0.93% | 1.12% |
| 20 | 12 | 1.380 | 1.366 | -0.01 | -1.02% | 1.22% |
| 20 | 13 | 1.377 | 1.364 | -0.01 | -0.93% | 1.11% |
| 20 | 14 | 1.379 | 1.366 | -0.01 | -0.93% | 1.12% |
| 30 | 15 | 1.379 | 1.355 | -0.02 | -1.74% | 2.09% |
| 30 | 16 | 1.378 | 1.355 | -0.02 | -1.73% | 2.07% |
| 30 | 17 | 1.379 | 1.359 | -0.02 | -1.50% | 1.79% |
| 30 | 18 | 1.376 | 1.352 | -0.02 | -1.76% | 2.11% |
| 30 | 19 | 1.380 | 1.356 | -0.02 | -1.78% | 2.13% |
| 30 | 20 | 1.377 | 1.354 | -0.02 | -1.71% | 2.05% |
| 31 | 21 | 1.379 | 1.362 | -0.02 | -1.26% | 1.51% |
| 31 | 22 | 1.378 | 1.358 | -0.02 | -1.45% | 1.74% |
| 31 | 23 | 1.379 | 1.363 | -0.02 | -1.15% | 1.38% |
| 31 | 24 | 1.376 | 1.358 | -0.02 | -1.31% | 1.57% |
| 31 | 25 | 1.380 | 1.363 | -0.02 | -1.22% | 1.47% |
| 31 | 26 | 1.377 | 1.360 | -0.02 | -1.26% | 1.51% |
| 50 | 27 | 1.379 | 1.336 | -0.04 | -3.07% | 3.68% |
| 50 | 28 | 1.383 | 1.341 | -0.04 | -3.06% | 3.67% |
| 50 | 29 | 1.383 | 1.341 | -0.04 | -3.10% | 3.72% |
| 50 | 30 | 1.380 | 1.339 | -0.04 | -2.98% | 3.57% |
| 50 | 31 | 1.382 | 1.341 | -0.04 | -2.95% | 3.54% |
| Max | | 1.384 | 1.383 | 0.00 | 0.08% | 3.72% |
| Average | | 1.380 | 1.363 | -0.02 | -1.25% | 1.50% |
| Min | | 1.376 | 1.336 | -0.04 | -3.10% | 0.02% |
| Std Dev | | 0.002 | 0.013 | 0.01 | 0.90% | 1.07% |



| VIH_4P5V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 2 |
| Min Limit | 0.85 |

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



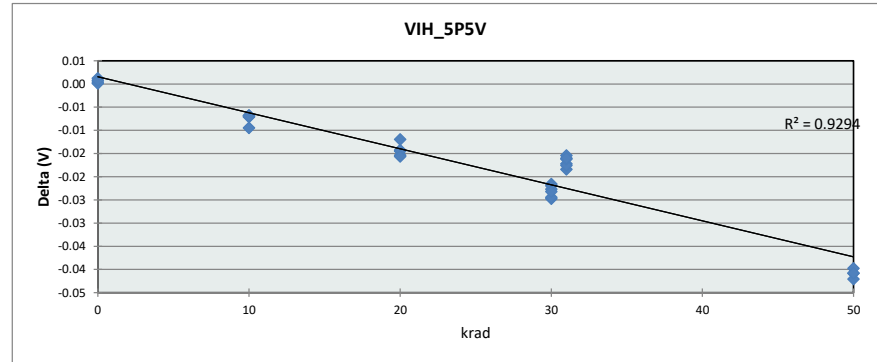
TID Report

SN54SC6T07-SEP

VIH_5P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 2 |
| Min Limit | 0.85 |

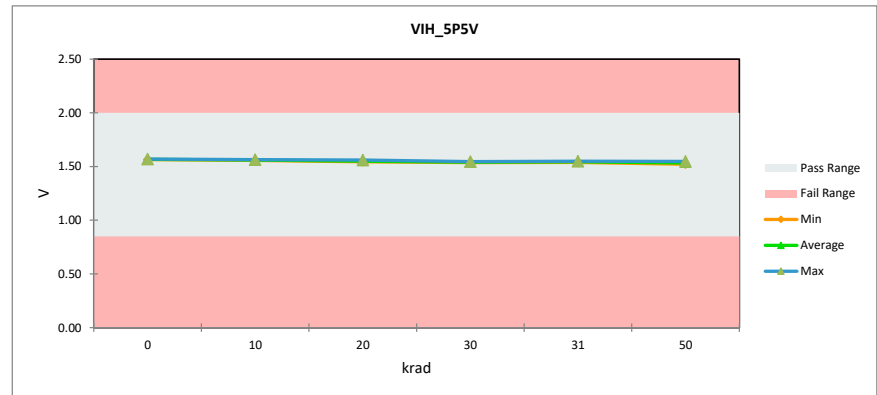
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 1.568 | 1.570 | 0.00 | 0.08% | 0.11% |
| 0 | 2 | 1.565 | 1.565 | 0.00 | 0.03% | 0.03% |
| 0 | 3 | 1.566 | 1.566 | 0.00 | 0.01% | 0.01% |
| 0 | 4 | 1.564 | 1.565 | 0.00 | 0.05% | 0.07% |
| 10 | 5 | 1.567 | 1.557 | -0.01 | -0.60% | 0.82% |
| 10 | 6 | 1.567 | 1.560 | -0.01 | -0.44% | 0.60% |
| 10 | 7 | 1.564 | 1.557 | -0.01 | -0.43% | 0.59% |
| 10 | 8 | 1.568 | 1.561 | -0.01 | -0.45% | 0.62% |
| 10 | 9 | 1.568 | 1.561 | -0.01 | -0.44% | 0.61% |
| 20 | 10 | 1.559 | 1.544 | -0.01 | -0.93% | 1.26% |
| 20 | 11 | 1.566 | 1.550 | -0.02 | -0.98% | 1.34% |
| 20 | 12 | 1.563 | 1.549 | -0.01 | -0.91% | 1.24% |
| 20 | 13 | 1.559 | 1.547 | -0.01 | -0.77% | 1.04% |
| 20 | 14 | 1.561 | 1.546 | -0.02 | -1.00% | 1.36% |
| 30 | 15 | 1.563 | 1.542 | -0.02 | -1.38% | 1.88% |
| 30 | 16 | 1.563 | 1.539 | -0.02 | -1.58% | 2.15% |
| 30 | 17 | 1.565 | 1.542 | -0.02 | -1.45% | 1.97% |
| 30 | 18 | 1.561 | 1.536 | -0.02 | -1.57% | 2.13% |
| 30 | 19 | 1.564 | 1.542 | -0.02 | -1.41% | 1.91% |
| 30 | 20 | 1.561 | 1.538 | -0.02 | -1.49% | 2.02% |
| 31 | 21 | 1.563 | 1.546 | -0.02 | -1.10% | 1.50% |
| 31 | 22 | 1.563 | 1.545 | -0.02 | -1.18% | 1.60% |
| 31 | 23 | 1.565 | 1.549 | -0.02 | -0.99% | 1.34% |
| 31 | 24 | 1.561 | 1.543 | -0.02 | -1.13% | 1.53% |
| 31 | 25 | 1.564 | 1.547 | -0.02 | -1.04% | 1.41% |
| 31 | 26 | 1.561 | 1.545 | -0.02 | -1.03% | 1.39% |
| 50 | 27 | 1.563 | 1.522 | -0.04 | -2.61% | 3.55% |
| 50 | 28 | 1.566 | 1.524 | -0.04 | -2.69% | 3.66% |
| 50 | 29 | 1.567 | 1.527 | -0.04 | -2.54% | 3.46% |
| 50 | 30 | 1.562 | 1.521 | -0.04 | -2.61% | 3.55% |
| 50 | 31 | 1.567 | 1.527 | -0.04 | -2.58% | 3.52% |
| Max | | 1.568 | 1.570 | 0.00 | 0.08% | 3.66% |
| Average | | 1.564 | 1.547 | -0.02 | -1.09% | 1.49% |
| Min | | 1.559 | 1.521 | -0.04 | -2.69% | 0.01% |
| Std Dev | | 0.003 | 0.013 | 0.01 | 0.78% | 1.03% |



VIH_5P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 2 |
| Min Limit | 0.85 |

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

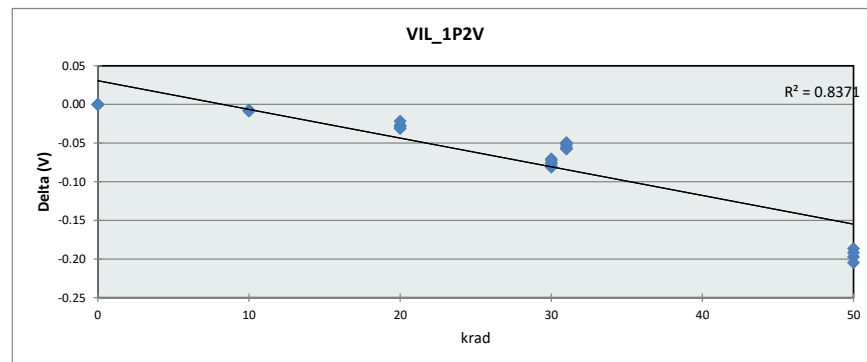


TID Report SN54SC6T07-SEP

VIL_1P2V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.75 |
| Min Limit | 0.18 |

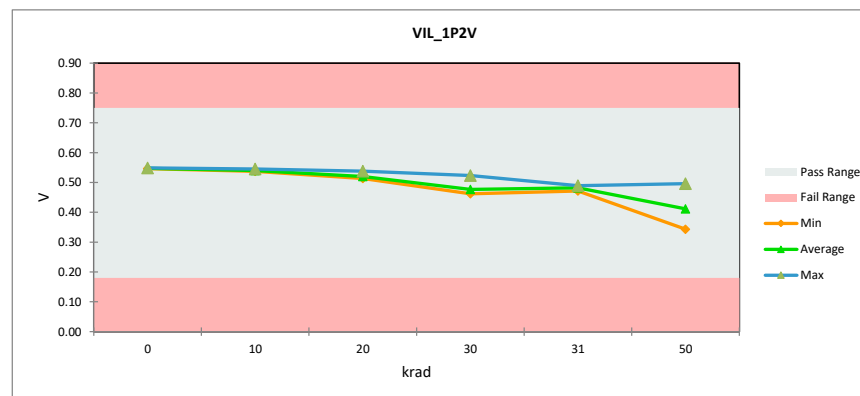
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.549 | 0.549 | 0.00 | 0.02% | 0.02% |
| 0 | 2 | 0.547 | 0.547 | 0.00 | -0.02% | 0.02% |
| 0 | 3 | 0.546 | 0.546 | 0.00 | -0.01% | 0.01% |
| 0 | 4 | 0.545 | 0.545 | 0.00 | -0.02% | 0.02% |
| 10 | 5 | 0.545 | 0.537 | -0.01 | -1.48% | 1.42% |
| 10 | 6 | 0.547 | 0.539 | -0.01 | -1.33% | 1.28% |
| 10 | 7 | 0.549 | 0.540 | -0.01 | -1.57% | 1.52% |
| 10 | 8 | 0.545 | 0.537 | -0.01 | -1.50% | 1.43% |
| 10 | 9 | 0.546 | 0.538 | -0.01 | -1.44% | 1.38% |
| 20 | 10 | 0.547 | 0.520 | -0.03 | -4.94% | 4.75% |
| 20 | 11 | 0.543 | 0.515 | -0.03 | -5.33% | 5.08% |
| 20 | 12 | 0.542 | 0.513 | -0.03 | -5.26% | 5.00% |
| 20 | 13 | 0.545 | 0.514 | -0.03 | -5.73% | 5.48% |
| 20 | 14 | 0.545 | 0.523 | -0.02 | -3.98% | 3.81% |
| 30 | 15 | 0.542 | 0.466 | -0.08 | -14.01% | 13.32% |
| 30 | 16 | 0.543 | 0.462 | -0.08 | -14.94% | 14.24% |
| 30 | 17 | 0.544 | 0.464 | -0.08 | -14.66% | 13.99% |
| 30 | 18 | 0.544 | 0.468 | -0.08 | -13.98% | 13.34% |
| 30 | 19 | 0.544 | 0.471 | -0.07 | -13.31% | 12.70% |
| 30 | 20 | 0.545 | 0.475 | -0.07 | -12.92% | 12.35% |
| 31 | 21 | 0.542 | 0.489 | -0.05 | -9.75% | 9.27% |
| 31 | 22 | 0.543 | 0.486 | -0.06 | -10.60% | 10.10% |
| 31 | 23 | 0.544 | 0.488 | -0.06 | -10.32% | 9.85% |
| 31 | 24 | 0.544 | 0.487 | -0.06 | -10.52% | 10.04% |
| 31 | 25 | 0.544 | 0.493 | -0.05 | -9.30% | 8.87% |
| 31 | 26 | 0.545 | 0.496 | -0.05 | -9.05% | 8.65% |
| 50 | 27 | 0.543 | 0.345 | -0.20 | -36.35% | 34.61% |
| 50 | 28 | 0.548 | 0.356 | -0.19 | -35.01% | 33.66% |
| 50 | 29 | 0.546 | 0.360 | -0.19 | -34.15% | 32.73% |
| 50 | 30 | 0.548 | 0.343 | -0.20 | -37.37% | 35.93% |
| 50 | 31 | 0.546 | 0.370 | -0.18 | -32.20% | 30.83% |
| Max | | 0.549 | 0.549 | 0.00 | 0.02% | 35.93% |
| Average | | 0.545 | 0.487 | -0.06 | -10.63% | 10.16% |
| Min | | 0.542 | 0.343 | -0.20 | -37.37% | 0.01% |
| Std Dev | | 0.002 | 0.061 | 0.06 | 11.18% | 10.72% |



VIL_1P2V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.75 |
| Min Limit | 0.18 |

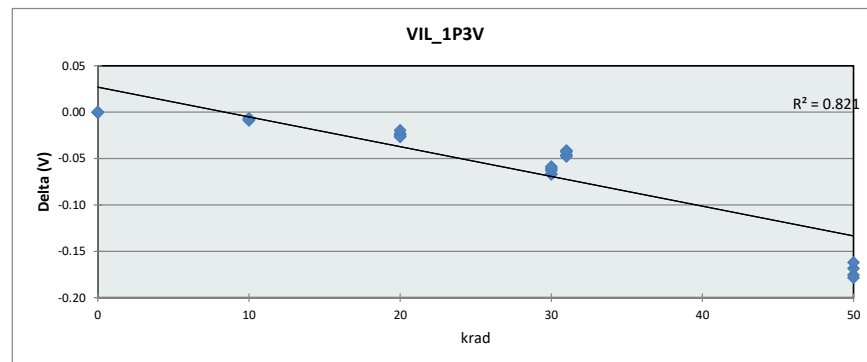
| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| Min | 0.55 | 0.54 | 0.51 | 0.46 | 0.47 | 0.34 |
| Average | 0.55 | 0.54 | 0.52 | 0.48 | 0.48 | 0.41 |
| Max | 0.55 | 0.54 | 0.54 | 0.52 | 0.49 | 0.50 |
| UL | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |



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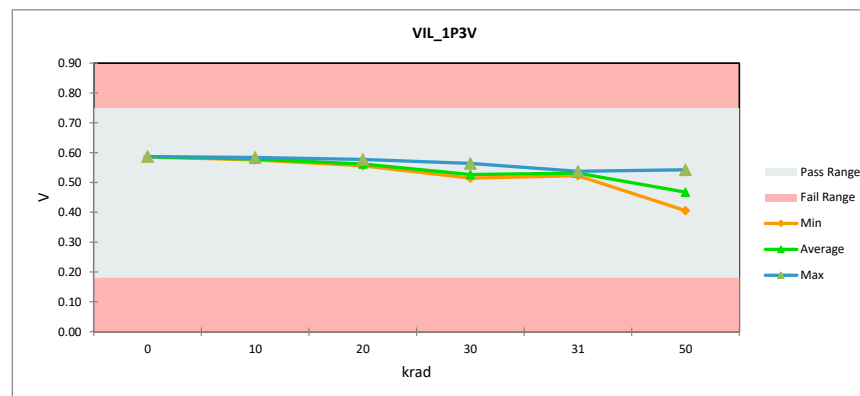
| VIL_1P3V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.75 |
| Min Limit | 0.18 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.587 | 0.587 | 0.00 | 0.00% | 0.00% |
| 0 | 2 | 0.586 | 0.586 | 0.00 | -0.01% | 0.01% |
| 0 | 3 | 0.586 | 0.585 | 0.00 | -0.07% | 0.07% |
| 0 | 4 | 0.584 | 0.584 | 0.00 | -0.02% | 0.02% |
| 10 | 5 | 0.584 | 0.576 | -0.01 | -1.28% | 1.31% |
| 10 | 6 | 0.585 | 0.578 | -0.01 | -1.15% | 1.18% |
| 10 | 7 | 0.588 | 0.579 | -0.01 | -1.50% | 1.54% |
| 10 | 8 | 0.583 | 0.575 | -0.01 | -1.35% | 1.38% |
| 10 | 9 | 0.585 | 0.577 | -0.01 | -1.37% | 1.41% |
| 20 | 10 | 0.586 | 0.563 | -0.02 | -3.98% | 4.09% |
| 20 | 11 | 0.582 | 0.556 | -0.03 | -4.45% | 4.54% |
| 20 | 12 | 0.580 | 0.556 | -0.02 | -4.12% | 4.19% |
| 20 | 13 | 0.583 | 0.557 | -0.03 | -4.57% | 4.68% |
| 20 | 14 | 0.583 | 0.564 | -0.02 | -3.35% | 3.43% |
| 30 | 15 | 0.580 | 0.519 | -0.06 | -10.57% | 10.77% |
| 30 | 16 | 0.581 | 0.514 | -0.07 | -11.52% | 11.75% |
| 30 | 17 | 0.582 | 0.515 | -0.07 | -11.49% | 11.74% |
| 30 | 18 | 0.583 | 0.520 | -0.06 | -10.80% | 11.04% |
| 30 | 19 | 0.583 | 0.522 | -0.06 | -10.33% | 10.56% |
| 30 | 20 | 0.584 | 0.525 | -0.06 | -10.06% | 10.31% |
| 31 | 21 | 0.580 | 0.537 | -0.04 | -7.40% | 7.53% |
| 31 | 22 | 0.581 | 0.534 | -0.05 | -8.15% | 8.31% |
| 31 | 23 | 0.582 | 0.536 | -0.05 | -7.92% | 8.09% |
| 31 | 24 | 0.583 | 0.535 | -0.05 | -8.17% | 8.35% |
| 31 | 25 | 0.583 | 0.540 | -0.04 | -7.23% | 7.39% |
| 31 | 26 | 0.584 | 0.542 | -0.04 | -7.10% | 7.27% |
| 50 | 27 | 0.581 | 0.406 | -0.18 | -30.22% | 30.81% |
| 50 | 28 | 0.586 | 0.418 | -0.17 | -28.75% | 29.57% |
| 50 | 29 | 0.585 | 0.423 | -0.16 | -27.69% | 28.42% |
| 50 | 30 | 0.586 | 0.408 | -0.18 | -30.45% | 31.31% |
| 50 | 31 | 0.585 | 0.431 | -0.15 | -26.29% | 26.97% |
| | Max | 0.588 | 0.587 | 0.00 | 0.00% | 31.31% |
| | Average | 0.584 | 0.534 | -0.05 | -8.50% | 8.70% |
| | Min | 0.580 | 0.406 | -0.17 | -30.45% | 0.00% |
| | Std Dev | 0.002 | 0.053 | 0.05 | 9.12% | 9.35% |



| VIL_1P3V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.75 |
| Min Limit | 0.18 |

| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| Min | 0.59 | 0.58 | 0.56 | 0.51 | 0.52 | 0.41 |
| Average | 0.59 | 0.58 | 0.56 | 0.53 | 0.53 | 0.47 |
| Max | 0.59 | 0.58 | 0.58 | 0.56 | 0.54 | 0.54 |
| UL | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |

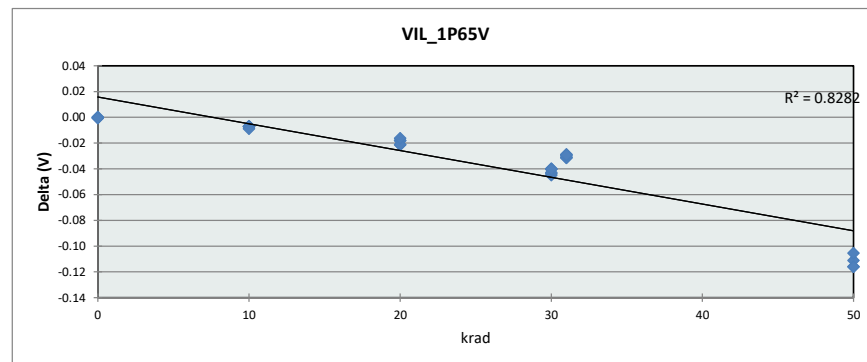


TID Report

SN54SC6T07-SEP

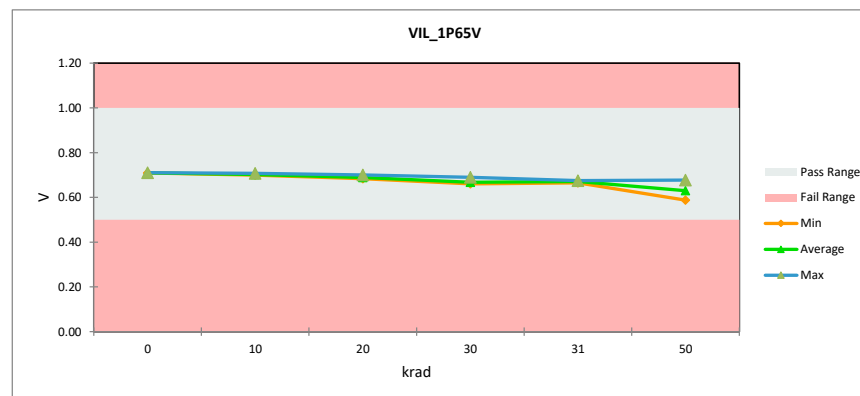
| VIL_1P65V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1 |
| Min Limit | 0.5 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.710 | 0.710 | 0.00 | 0.00% | 0.00% |
| 0 | 2 | 0.709 | 0.709 | 0.00 | 0.04% | 0.05% |
| 0 | 3 | 0.710 | 0.709 | 0.00 | -0.07% | 0.10% |
| 0 | 4 | 0.708 | 0.707 | 0.00 | -0.07% | 0.10% |
| 10 | 5 | 0.707 | 0.700 | -0.01 | -1.01% | 1.43% |
| 10 | 6 | 0.708 | 0.702 | -0.01 | -0.97% | 1.37% |
| 10 | 7 | 0.710 | 0.703 | -0.01 | -1.01% | 1.43% |
| 10 | 8 | 0.706 | 0.699 | -0.01 | -1.02% | 1.45% |
| 10 | 9 | 0.709 | 0.700 | -0.01 | -1.25% | 1.77% |
| 20 | 10 | 0.708 | 0.690 | -0.02 | -2.55% | 3.61% |
| 20 | 11 | 0.705 | 0.683 | -0.02 | -3.04% | 4.28% |
| 20 | 12 | 0.703 | 0.685 | -0.02 | -2.57% | 3.61% |
| 20 | 13 | 0.706 | 0.685 | -0.02 | -3.00% | 4.24% |
| 20 | 14 | 0.706 | 0.690 | -0.02 | -2.31% | 3.26% |
| 30 | 15 | 0.704 | 0.664 | -0.04 | -5.66% | 7.97% |
| 30 | 16 | 0.704 | 0.660 | -0.04 | -6.20% | 8.73% |
| 30 | 17 | 0.705 | 0.660 | -0.04 | -6.37% | 8.99% |
| 30 | 18 | 0.705 | 0.662 | -0.04 | -6.09% | 8.59% |
| 30 | 19 | 0.705 | 0.665 | -0.04 | -5.72% | 8.07% |
| 30 | 20 | 0.707 | 0.666 | -0.04 | -5.69% | 8.05% |
| 31 | 21 | 0.704 | 0.675 | -0.03 | -4.10% | 5.76% |
| 31 | 22 | 0.704 | 0.673 | -0.03 | -4.38% | 6.16% |
| 31 | 23 | 0.705 | 0.674 | -0.03 | -4.45% | 6.27% |
| 31 | 24 | 0.705 | 0.674 | -0.03 | -4.46% | 6.29% |
| 31 | 25 | 0.705 | 0.676 | -0.03 | -4.17% | 5.88% |
| 31 | 26 | 0.707 | 0.677 | -0.03 | -4.16% | 5.89% |
| 50 | 27 | 0.704 | 0.588 | -0.12 | -16.50% | 23.23% |
| 50 | 28 | 0.710 | 0.598 | -0.11 | -15.67% | 22.23% |
| 50 | 29 | 0.708 | 0.603 | -0.11 | -14.89% | 21.09% |
| 50 | 30 | 0.709 | 0.593 | -0.12 | -16.35% | 23.19% |
| 50 | 31 | 0.709 | 0.606 | -0.10 | -14.52% | 20.58% |
| Max | | 0.710 | 0.710 | 0.00 | 0.04% | 23.23% |
| Average | | 0.707 | 0.673 | -0.03 | -4.79% | 6.77% |
| Min | | 0.703 | 0.588 | -0.12 | -16.50% | 0.00% |
| Std Dev | | 0.002 | 0.035 | 0.03 | 4.86% | 6.87% |



| VIL_1P65V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1 |
| Min Limit | 0.5 |

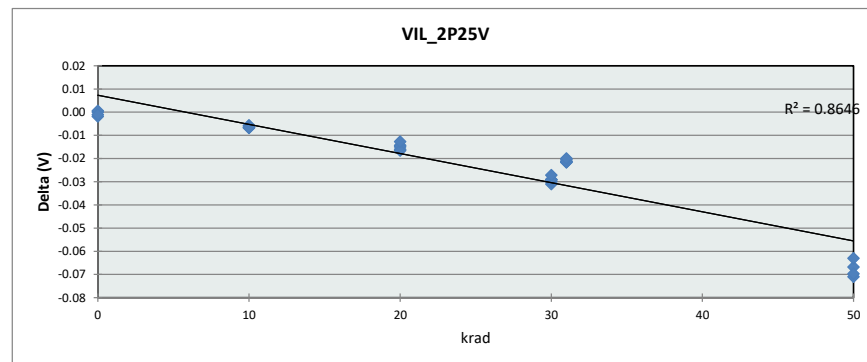
| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Min | 0.71 | 0.70 | 0.68 | 0.66 | 0.67 | 0.59 |
| Average | 0.71 | 0.70 | 0.69 | 0.67 | 0.67 | 0.63 |
| Max | 0.71 | 0.71 | 0.70 | 0.69 | 0.67 | 0.68 |
| UL | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |



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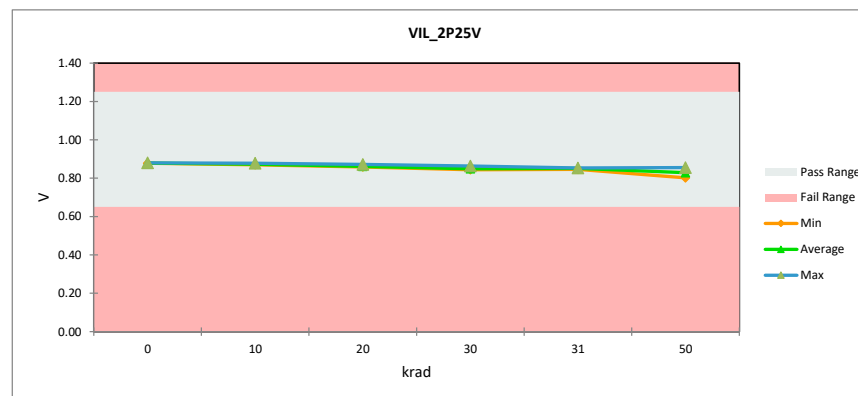
| VIL_2P25V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.25 |
| Min Limit | 0.65 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.880 | 0.880 | 0.00 | 0.00% | 0.01% |
| 0 | 2 | 0.878 | 0.878 | 0.00 | 0.06% | 0.09% |
| 0 | 3 | 0.880 | 0.878 | 0.00 | -0.21% | 0.30% |
| 0 | 4 | 0.879 | 0.878 | 0.00 | -0.12% | 0.18% |
| 10 | 5 | 0.877 | 0.870 | -0.01 | -0.76% | 1.11% |
| 10 | 6 | 0.879 | 0.873 | -0.01 | -0.68% | 0.99% |
| 10 | 7 | 0.878 | 0.872 | -0.01 | -0.65% | 0.95% |
| 10 | 8 | 0.877 | 0.870 | -0.01 | -0.77% | 1.13% |
| 10 | 9 | 0.878 | 0.872 | -0.01 | -0.74% | 1.08% |
| 20 | 10 | 0.876 | 0.861 | -0.01 | -1.64% | 2.39% |
| 20 | 11 | 0.874 | 0.858 | -0.02 | -1.84% | 2.68% |
| 20 | 12 | 0.873 | 0.858 | -0.01 | -1.71% | 2.49% |
| 20 | 13 | 0.876 | 0.859 | -0.02 | -1.89% | 2.75% |
| 20 | 14 | 0.876 | 0.864 | -0.01 | -1.45% | 2.11% |
| 30 | 15 | 0.875 | 0.846 | -0.03 | -3.34% | 4.87% |
| 30 | 16 | 0.875 | 0.844 | -0.03 | -3.55% | 5.17% |
| 30 | 17 | 0.874 | 0.845 | -0.03 | -3.33% | 4.84% |
| 30 | 18 | 0.875 | 0.845 | -0.03 | -3.43% | 5.00% |
| 30 | 19 | 0.875 | 0.846 | -0.03 | -3.33% | 4.86% |
| 30 | 20 | 0.876 | 0.849 | -0.03 | -3.10% | 4.53% |
| 31 | 21 | 0.875 | 0.853 | -0.02 | -2.47% | 3.60% |
| 31 | 22 | 0.875 | 0.853 | -0.02 | -2.47% | 3.60% |
| 31 | 23 | 0.874 | 0.853 | -0.02 | -2.35% | 3.42% |
| 31 | 24 | 0.875 | 0.854 | -0.02 | -2.43% | 3.54% |
| 31 | 25 | 0.875 | 0.854 | -0.02 | -2.43% | 3.54% |
| 31 | 26 | 0.876 | 0.856 | -0.02 | -2.29% | 3.34% |
| 50 | 27 | 0.873 | 0.802 | -0.07 | -8.13% | 11.83% |
| 50 | 28 | 0.880 | 0.813 | -0.07 | -7.59% | 11.14% |
| 50 | 29 | 0.878 | 0.815 | -0.06 | -7.18% | 10.51% |
| 50 | 30 | 0.878 | 0.808 | -0.07 | -7.94% | 11.62% |
| 50 | 31 | 0.879 | 0.817 | -0.06 | -7.09% | 10.38% |
| | Max | 0.880 | 0.880 | 0.00 | 0.06% | 11.83% |
| | Average | 0.876 | 0.854 | -0.02 | -2.59% | 3.79% |
| | Min | 0.873 | 0.802 | -0.07 | -8.13% | 0.01% |
| | Std Dev | 0.002 | 0.021 | 0.02 | 2.32% | 3.39% |



| VIL_2P25V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.25 |
| Min Limit | 0.65 |

| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 |
| Min | 0.88 | 0.87 | 0.86 | 0.84 | 0.85 | 0.80 |
| Average | 0.88 | 0.87 | 0.86 | 0.85 | 0.85 | 0.83 |
| Max | 0.88 | 0.88 | 0.87 | 0.86 | 0.85 | 0.86 |
| UL | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |

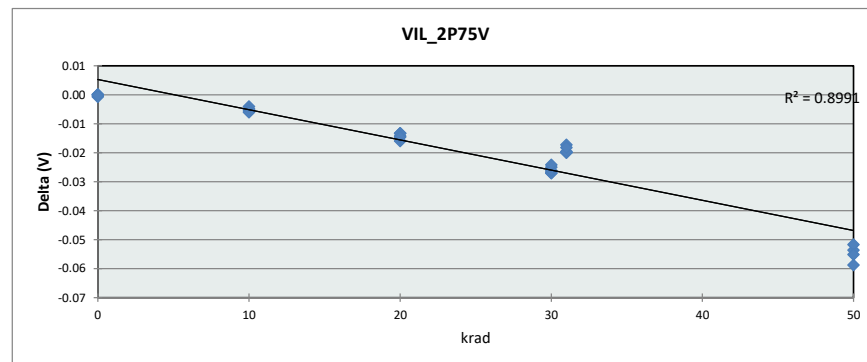


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VIL_2P75V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.25 |
| Min Limit | 0.65 |

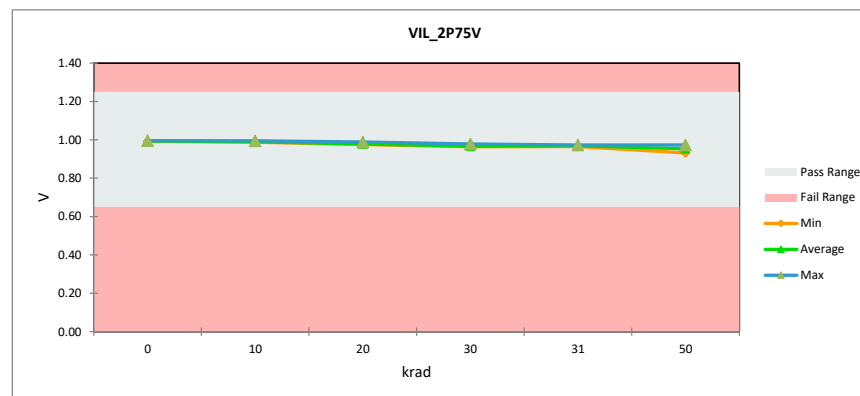
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.995 | 0.996 | 0.00 | 0.02% | 0.03% |
| 0 | 2 | 0.992 | 0.992 | 0.00 | 0.00% | 0.01% |
| 0 | 3 | 0.994 | 0.994 | 0.00 | -0.07% | 0.12% |
| 0 | 4 | 0.995 | 0.995 | 0.00 | -0.03% | 0.05% |
| 10 | 5 | 0.992 | 0.988 | 0.00 | -0.49% | 0.82% |
| 10 | 6 | 0.995 | 0.991 | 0.00 | -0.41% | 0.68% |
| 10 | 7 | 0.993 | 0.988 | -0.01 | -0.51% | 0.84% |
| 10 | 8 | 0.993 | 0.988 | -0.01 | -0.56% | 0.93% |
| 10 | 9 | 0.994 | 0.988 | -0.01 | -0.61% | 1.00% |
| 20 | 10 | 0.991 | 0.977 | -0.01 | -1.34% | 2.22% |
| 20 | 11 | 0.991 | 0.975 | -0.02 | -1.61% | 2.67% |
| 20 | 12 | 0.990 | 0.976 | -0.01 | -1.34% | 2.22% |
| 20 | 13 | 0.991 | 0.977 | -0.01 | -1.44% | 2.38% |
| 20 | 14 | 0.993 | 0.979 | -0.01 | -1.47% | 2.43% |
| 30 | 15 | 0.992 | 0.965 | -0.03 | -2.72% | 4.50% |
| 30 | 16 | 0.989 | 0.964 | -0.03 | -2.53% | 4.17% |
| 30 | 17 | 0.990 | 0.964 | -0.03 | -2.69% | 4.45% |
| 30 | 18 | 0.991 | 0.964 | -0.03 | -2.73% | 4.51% |
| 30 | 19 | 0.992 | 0.965 | -0.03 | -2.64% | 4.37% |
| 30 | 20 | 0.992 | 0.967 | -0.02 | -2.44% | 4.04% |
| 31 | 21 | 0.992 | 0.972 | -0.02 | -2.01% | 3.33% |
| 31 | 22 | 0.989 | 0.970 | -0.02 | -2.01% | 3.31% |
| 31 | 23 | 0.990 | 0.973 | -0.02 | -1.75% | 2.88% |
| 31 | 24 | 0.991 | 0.971 | -0.02 | -2.01% | 3.32% |
| 31 | 25 | 0.992 | 0.972 | -0.02 | -1.98% | 3.27% |
| 31 | 26 | 0.992 | 0.973 | -0.02 | -1.84% | 3.04% |
| 50 | 27 | 0.990 | 0.932 | -0.06 | -5.93% | 9.79% |
| 50 | 28 | 0.996 | 0.943 | -0.05 | -5.38% | 8.94% |
| 50 | 29 | 0.995 | 0.943 | -0.05 | -5.20% | 8.61% |
| 50 | 30 | 0.993 | 0.938 | -0.06 | -5.55% | 9.19% |
| 50 | 31 | 0.994 | 0.942 | -0.05 | -5.24% | 8.68% |
| Max | | 0.996 | 0.996 | 0.00 | 0.02% | 9.79% |
| Average | | 0.992 | 0.973 | -0.02 | -1.98% | 3.27% |
| Min | | 0.989 | 0.932 | -0.06 | -5.93% | 0.01% |
| Std Dev | | 0.002 | 0.017 | 0.01 | 1.67% | 2.76% |



VIL_2P75V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.25 |
| Min Limit | 0.65 |

| krad | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 |
| Min | 0.99 | 0.99 | 0.98 | 0.96 | 0.97 | 0.93 |
| Average | 0.99 | 0.99 | 0.98 | 0.97 | 0.97 | 0.95 |
| Max | 1.00 | 0.99 | 0.99 | 0.98 | 0.97 | 0.97 |
| UL | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |

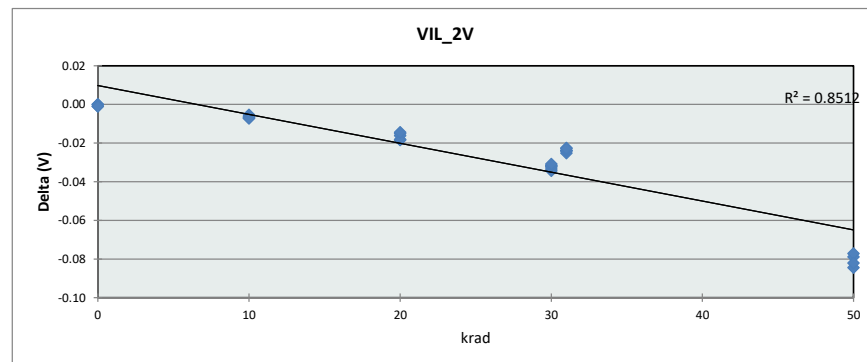


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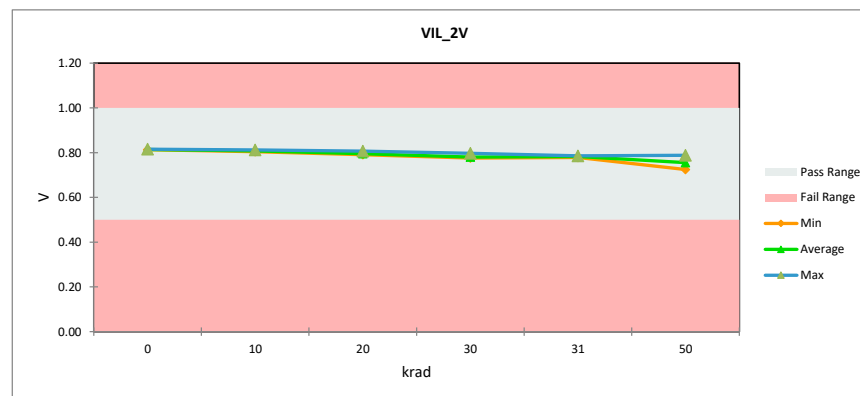
| VIL_2V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1 |
| Min Limit | 0.5 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.815 | 0.815 | 0.00 | 0.00% | 0.01% |
| 0 | 2 | 0.813 | 0.813 | 0.00 | 0.00% | 0.00% |
| 0 | 3 | 0.814 | 0.814 | 0.00 | -0.11% | 0.19% |
| 0 | 4 | 0.813 | 0.812 | 0.00 | -0.12% | 0.19% |
| 10 | 5 | 0.813 | 0.805 | -0.01 | -0.88% | 1.44% |
| 10 | 6 | 0.814 | 0.807 | -0.01 | -0.76% | 1.24% |
| 10 | 7 | 0.813 | 0.808 | -0.01 | -0.66% | 1.08% |
| 10 | 8 | 0.811 | 0.804 | -0.01 | -0.83% | 1.34% |
| 10 | 9 | 0.813 | 0.806 | -0.01 | -0.88% | 1.42% |
| 20 | 10 | 0.812 | 0.797 | -0.02 | -1.86% | 3.01% |
| 20 | 11 | 0.809 | 0.791 | -0.02 | -2.24% | 3.63% |
| 20 | 12 | 0.808 | 0.792 | -0.02 | -2.01% | 3.24% |
| 20 | 13 | 0.810 | 0.792 | -0.02 | -2.27% | 3.68% |
| 20 | 14 | 0.811 | 0.797 | -0.01 | -1.78% | 2.89% |
| 30 | 15 | 0.808 | 0.777 | -0.03 | -3.92% | 6.34% |
| 30 | 16 | 0.808 | 0.776 | -0.03 | -4.01% | 6.48% |
| 30 | 17 | 0.810 | 0.776 | -0.03 | -4.24% | 6.87% |
| 30 | 18 | 0.809 | 0.776 | -0.03 | -4.13% | 6.69% |
| 30 | 19 | 0.810 | 0.778 | -0.03 | -3.93% | 6.37% |
| 30 | 20 | 0.811 | 0.780 | -0.03 | -3.81% | 6.17% |
| 31 | 21 | 0.808 | 0.786 | -0.02 | -2.79% | 4.51% |
| 31 | 22 | 0.808 | 0.784 | -0.02 | -2.99% | 4.83% |
| 31 | 23 | 0.810 | 0.785 | -0.03 | -3.12% | 5.05% |
| 31 | 24 | 0.809 | 0.785 | -0.02 | -2.97% | 4.81% |
| 31 | 25 | 0.810 | 0.787 | -0.02 | -2.93% | 4.76% |
| 31 | 26 | 0.811 | 0.788 | -0.02 | -2.82% | 4.57% |
| 50 | 27 | 0.809 | 0.724 | -0.08 | -10.45% | 16.90% |
| 50 | 28 | 0.814 | 0.735 | -0.08 | -9.70% | 15.79% |
| 50 | 29 | 0.814 | 0.736 | -0.08 | -9.49% | 15.44% |
| 50 | 30 | 0.814 | 0.732 | -0.08 | -10.09% | 16.43% |
| 50 | 31 | 0.813 | 0.738 | -0.07 | -9.23% | 15.00% |
| | Max | 0.815 | 0.815 | 0.00 | 0.00% | 16.90% |
| | Average | 0.811 | 0.785 | -0.03 | -3.19% | 5.18% |
| | Min | 0.808 | 0.724 | -0.08 | -10.45% | 0.00% |
| | Std Dev | 0.002 | 0.025 | 0.02 | 3.00% | 4.88% |



| VIL_2V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1 |
| Min Limit | 0.5 |

| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Min | 0.81 | 0.80 | 0.79 | 0.78 | 0.78 | 0.72 |
| Average | 0.81 | 0.81 | 0.80 | 0.78 | 0.78 | 0.76 |
| Max | 0.82 | 0.81 | 0.81 | 0.80 | 0.79 | 0.79 |
| UL | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

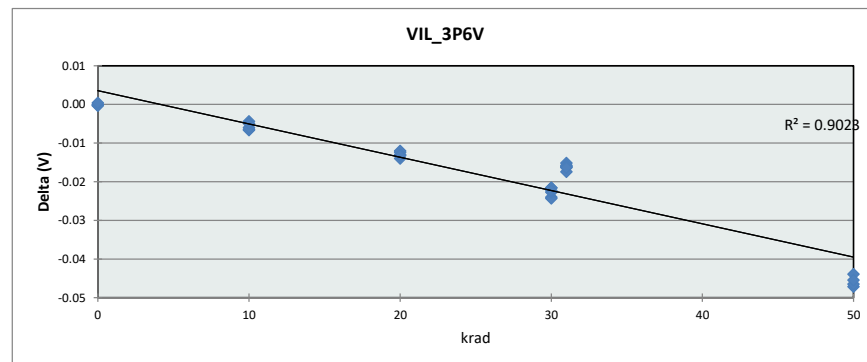


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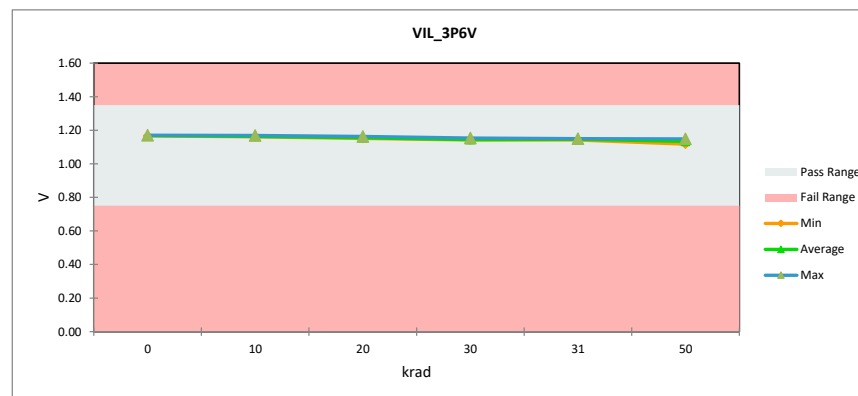
| VIL_3P6V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.35 |
| Min Limit | 0.75 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 1.171 | 1.170 | 0.00 | -0.01% | 0.02% |
| 0 | 2 | 1.167 | 1.167 | 0.00 | -0.01% | 0.02% |
| 0 | 3 | 1.168 | 1.167 | 0.00 | -0.03% | 0.06% |
| 0 | 4 | 1.169 | 1.169 | 0.00 | 0.03% | 0.06% |
| 10 | 5 | 1.167 | 1.161 | -0.01 | -0.57% | 1.10% |
| 10 | 6 | 1.170 | 1.163 | -0.01 | -0.55% | 1.07% |
| 10 | 7 | 1.167 | 1.162 | 0.00 | -0.38% | 0.73% |
| 10 | 8 | 1.169 | 1.163 | -0.01 | -0.51% | 1.00% |
| 10 | 9 | 1.169 | 1.164 | 0.00 | -0.42% | 0.82% |
| 20 | 10 | 1.164 | 1.152 | -0.01 | -1.07% | 2.07% |
| 20 | 11 | 1.166 | 1.152 | -0.01 | -1.20% | 2.33% |
| 20 | 12 | 1.164 | 1.152 | -0.01 | -1.03% | 2.00% |
| 20 | 13 | 1.165 | 1.152 | -0.01 | -1.12% | 2.17% |
| 20 | 14 | 1.166 | 1.153 | -0.01 | -1.13% | 2.20% |
| 30 | 15 | 1.166 | 1.142 | -0.02 | -2.06% | 4.00% |
| 30 | 16 | 1.164 | 1.142 | -0.02 | -1.85% | 3.60% |
| 30 | 17 | 1.166 | 1.142 | -0.02 | -2.09% | 4.05% |
| 30 | 18 | 1.163 | 1.142 | -0.02 | -1.86% | 3.60% |
| 30 | 19 | 1.165 | 1.142 | -0.02 | -1.95% | 3.79% |
| 30 | 20 | 1.165 | 1.142 | -0.02 | -1.92% | 3.72% |
| 31 | 21 | 1.166 | 1.149 | -0.02 | -1.50% | 2.91% |
| 31 | 22 | 1.164 | 1.148 | -0.02 | -1.30% | 2.53% |
| 31 | 23 | 1.166 | 1.150 | -0.02 | -1.39% | 2.70% |
| 31 | 24 | 1.163 | 1.147 | -0.02 | -1.36% | 2.63% |
| 31 | 25 | 1.165 | 1.148 | -0.02 | -1.38% | 2.67% |
| 31 | 26 | 1.165 | 1.148 | -0.02 | -1.40% | 2.72% |
| 50 | 27 | 1.164 | 1.117 | -0.05 | -4.05% | 7.86% |
| 50 | 28 | 1.171 | 1.124 | -0.05 | -3.97% | 7.75% |
| 50 | 29 | 1.170 | 1.126 | -0.04 | -3.76% | 7.32% |
| 50 | 30 | 1.167 | 1.122 | -0.05 | -3.90% | 7.58% |
| 50 | 31 | 1.169 | 1.125 | -0.04 | -3.75% | 7.30% |
| | Max | 1.171 | 1.170 | 0.00 | 0.03% | 7.86% |
| | Average | 1.166 | 1.149 | -0.02 | -1.46% | 2.84% |
| | Min | 1.163 | 1.117 | -0.05 | -4.05% | 0.02% |
| | Std Dev | 0.002 | 0.014 | 0.01 | 1.17% | 2.27% |



| VIL_3P6V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.35 |
| Min Limit | 0.75 |

| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| Min | 1.17 | 1.16 | 1.15 | 1.14 | 1.14 | 1.12 |
| Average | 1.17 | 1.16 | 1.15 | 1.14 | 1.15 | 1.13 |
| Max | 1.17 | 1.17 | 1.16 | 1.15 | 1.15 | 1.15 |
| UL | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |

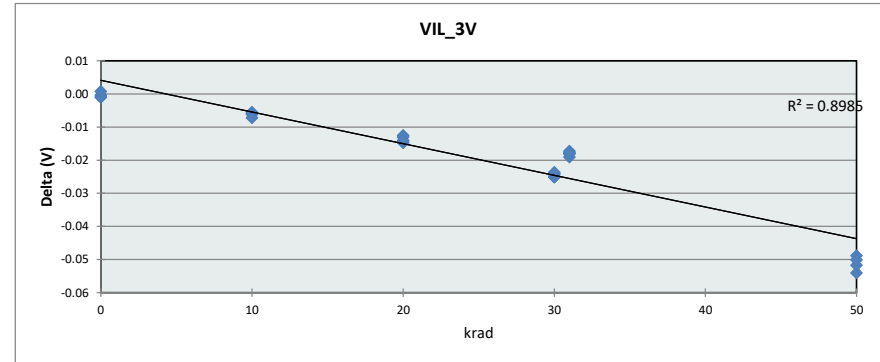


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VIL_3V

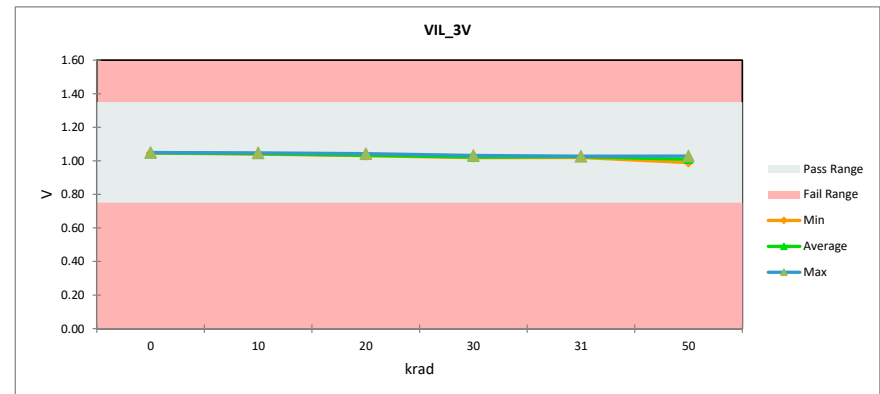
| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.35 |
| Min Limit | 0.75 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 1.050 | 1.049 | 0.00 | -0.09% | 0.16% |
| 0 | 2 | 1.047 | 1.046 | 0.00 | -0.04% | 0.07% |
| 0 | 3 | 1.047 | 1.046 | 0.00 | -0.10% | 0.17% |
| 0 | 4 | 1.047 | 1.047 | 0.00 | 0.07% | 0.12% |
| 10 | 5 | 1.046 | 1.040 | -0.01 | -0.58% | 1.00% |
| 10 | 6 | 1.049 | 1.042 | -0.01 | -0.59% | 1.03% |
| 10 | 7 | 1.047 | 1.042 | -0.01 | -0.53% | 0.93% |
| 10 | 8 | 1.047 | 1.041 | -0.01 | -0.57% | 1.00% |
| 10 | 9 | 1.050 | 1.042 | -0.01 | -0.68% | 1.20% |
| 20 | 10 | 1.045 | 1.033 | -0.01 | -1.20% | 2.09% |
| 20 | 11 | 1.046 | 1.031 | -0.01 | -1.41% | 2.46% |
| 20 | 12 | 1.043 | 1.030 | -0.01 | -1.25% | 2.17% |
| 20 | 13 | 1.045 | 1.030 | -0.01 | -1.38% | 2.41% |
| 20 | 14 | 1.046 | 1.032 | -0.01 | -1.34% | 2.34% |
| 30 | 15 | 1.045 | 1.020 | -0.02 | -2.39% | 4.17% |
| 30 | 16 | 1.043 | 1.019 | -0.02 | -2.34% | 4.07% |
| 30 | 17 | 1.046 | 1.021 | -0.03 | -2.40% | 4.18% |
| 30 | 18 | 1.044 | 1.019 | -0.03 | -2.41% | 4.19% |
| 30 | 19 | 1.044 | 1.020 | -0.02 | -2.30% | 4.01% |
| 30 | 20 | 1.046 | 1.022 | -0.02 | -2.26% | 3.95% |
| 31 | 21 | 1.045 | 1.027 | -0.02 | -1.71% | 2.99% |
| 31 | 22 | 1.043 | 1.026 | -0.02 | -1.66% | 2.88% |
| 31 | 23 | 1.046 | 1.028 | -0.02 | -1.73% | 3.02% |
| 31 | 24 | 1.044 | 1.025 | -0.02 | -1.82% | 3.17% |
| 31 | 25 | 1.044 | 1.026 | -0.02 | -1.72% | 3.00% |
| 31 | 26 | 1.046 | 1.028 | -0.02 | -1.70% | 2.96% |
| 50 | 27 | 1.043 | 0.989 | -0.05 | -5.18% | 9.01% |
| 50 | 28 | 1.049 | 0.998 | -0.05 | -4.93% | 8.62% |
| 50 | 29 | 1.048 | 1.000 | -0.05 | -4.66% | 8.14% |
| 50 | 30 | 1.046 | 0.996 | -0.05 | -4.78% | 8.34% |
| 50 | 31 | 1.048 | 1.000 | -0.05 | -4.59% | 8.03% |
| Max | | 1.050 | 1.049 | 0.00 | 0.07% | 9.01% |
| Average | | 1.046 | 1.027 | -0.02 | -1.79% | 3.13% |
| Min | | 1.043 | 0.989 | -0.05 | -5.18% | 0.07% |
| Std Dev | | 0.002 | 0.016 | 0.01 | 1.45% | 2.52% |



| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.35 |
| Min Limit | 0.75 |

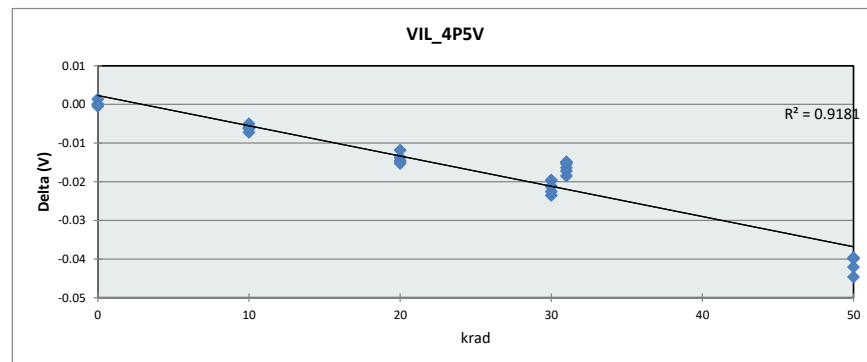
| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| Min | 1.05 | 1.04 | 1.03 | 1.02 | 1.02 | 0.99 |
| Average | 1.05 | 1.04 | 1.03 | 1.02 | 1.02 | 1.01 |
| Max | 1.05 | 1.05 | 1.04 | 1.03 | 1.03 | 1.03 |
| UL | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |



TID Report SN54SC6T07-SEP

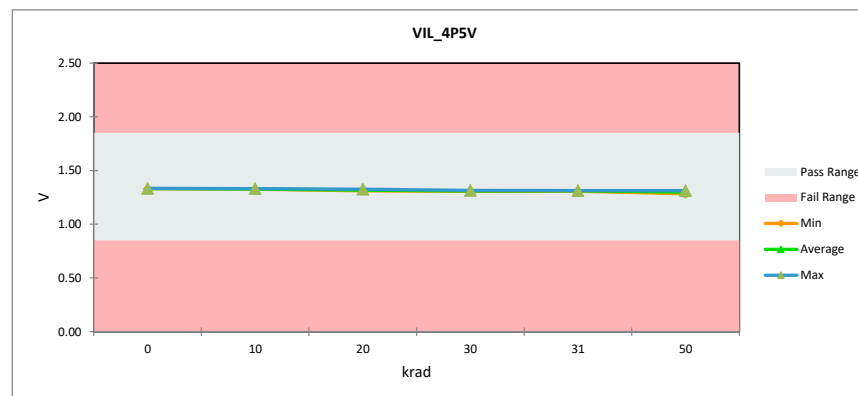
| VIL_4P5V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.85 |
| Min Limit | 0.85 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 1.334 | 1.334 | 0.00 | 0.00% | 0.00% |
| 0 | 2 | 1.330 | 1.331 | 0.00 | 0.10% | 0.13% |
| 0 | 3 | 1.331 | 1.331 | 0.00 | 0.00% | 0.00% |
| 0 | 4 | 1.332 | 1.331 | 0.00 | -0.04% | 0.05% |
| 10 | 5 | 1.331 | 1.326 | -0.01 | -0.44% | 0.58% |
| 10 | 6 | 1.334 | 1.327 | -0.01 | -0.54% | 0.72% |
| 10 | 7 | 1.330 | 1.325 | -0.01 | -0.38% | 0.50% |
| 10 | 8 | 1.333 | 1.327 | -0.01 | -0.47% | 0.62% |
| 10 | 9 | 1.333 | 1.327 | -0.01 | -0.47% | 0.63% |
| 20 | 10 | 1.326 | 1.312 | -0.01 | -1.10% | 1.46% |
| 20 | 11 | 1.331 | 1.316 | -0.01 | -1.11% | 1.47% |
| 20 | 12 | 1.330 | 1.316 | -0.01 | -1.03% | 1.37% |
| 20 | 13 | 1.328 | 1.316 | -0.01 | -0.89% | 1.18% |
| 20 | 14 | 1.331 | 1.316 | -0.02 | -1.15% | 1.53% |
| 30 | 15 | 1.332 | 1.308 | -0.02 | -1.77% | 2.35% |
| 30 | 16 | 1.327 | 1.307 | -0.02 | -1.49% | 1.98% |
| 30 | 17 | 1.331 | 1.308 | -0.02 | -1.70% | 2.26% |
| 30 | 18 | 1.325 | 1.306 | -0.02 | -1.48% | 1.96% |
| 30 | 19 | 1.328 | 1.307 | -0.02 | -1.60% | 2.12% |
| 30 | 20 | 1.328 | 1.307 | -0.02 | -1.60% | 2.13% |
| 31 | 21 | 1.332 | 1.313 | -0.02 | -1.39% | 1.85% |
| 31 | 22 | 1.327 | 1.311 | -0.02 | -1.16% | 1.53% |
| 31 | 23 | 1.331 | 1.313 | -0.02 | -1.30% | 1.73% |
| 31 | 24 | 1.325 | 1.311 | -0.01 | -1.12% | 1.49% |
| 31 | 25 | 1.328 | 1.312 | -0.02 | -1.23% | 1.63% |
| 31 | 26 | 1.328 | 1.313 | -0.01 | -1.13% | 1.50% |
| 50 | 27 | 1.328 | 1.283 | -0.04 | -3.36% | 4.47% |
| 50 | 28 | 1.332 | 1.290 | -0.04 | -3.16% | 4.21% |
| 50 | 29 | 1.333 | 1.293 | -0.04 | -2.99% | 3.99% |
| 50 | 30 | 1.328 | 1.289 | -0.04 | -2.99% | 3.97% |
| 50 | 31 | 1.332 | 1.292 | -0.04 | -3.02% | 4.02% |
| Max | | 1.334 | 1.334 | 0.00 | 0.10% | 4.47% |
| Average | | 1.330 | 1.313 | -0.02 | -1.23% | 1.65% |
| Min | | 1.325 | 1.283 | -0.04 | -3.36% | 0.00% |
| Std Dev | | 0.002 | 0.013 | 0.01 | 0.93% | 1.22% |



| VIL_4P5V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.85 |
| Min Limit | 0.85 |

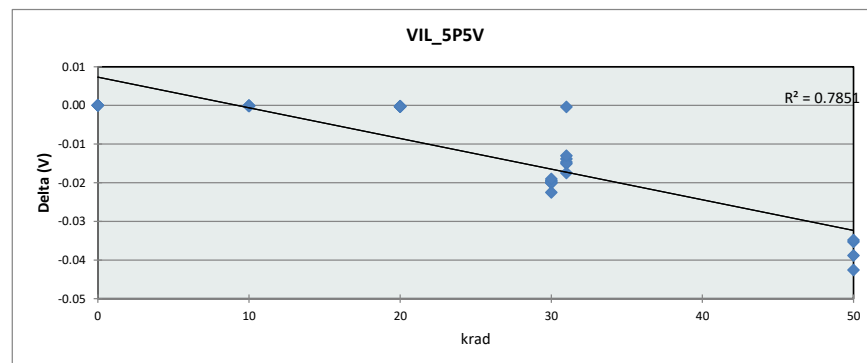
| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| Min | 1.33 | 1.33 | 1.31 | 1.31 | 1.31 | 1.28 |
| Average | 1.33 | 1.33 | 1.32 | 1.31 | 1.31 | 1.30 |
| Max | 1.33 | 1.33 | 1.33 | 1.32 | 1.31 | 1.31 |
| UL | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |



TID Report SN54SC6T07-SEP

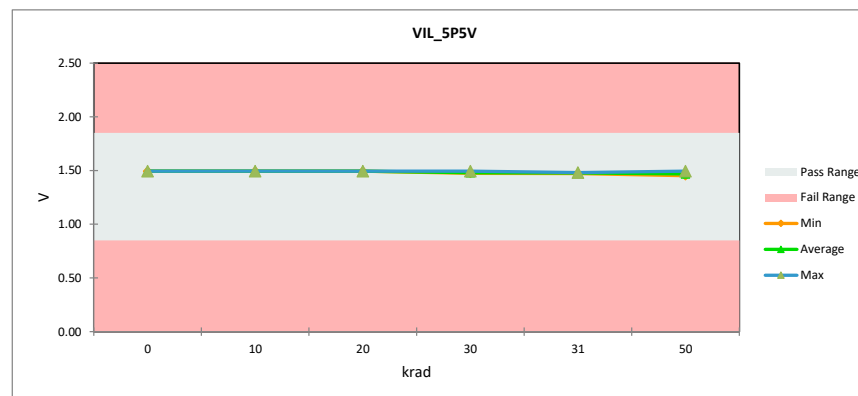
| VIL_5P5V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.85 |
| Min Limit | 0.85 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 1.495 | 1.495 | 0.00 | 0.00% | 0.00% |
| 0 | 2 | 1.494 | 1.494 | 0.00 | 0.00% | 0.00% |
| 0 | 3 | 1.494 | 1.494 | 0.00 | 0.00% | 0.00% |
| 0 | 4 | 1.495 | 1.495 | 0.00 | 0.00% | 0.00% |
| 10 | 5 | 1.495 | 1.494 | 0.00 | -0.01% | 0.01% |
| 10 | 6 | 1.495 | 1.494 | 0.00 | -0.01% | 0.01% |
| 10 | 7 | 1.495 | 1.494 | 0.00 | 0.00% | 0.01% |
| 10 | 8 | 1.495 | 1.494 | 0.00 | -0.01% | 0.01% |
| 10 | 9 | 1.495 | 1.494 | 0.00 | -0.01% | 0.01% |
| 20 | 10 | 1.494 | 1.494 | 0.00 | -0.01% | 0.02% |
| 20 | 11 | 1.494 | 1.494 | 0.00 | -0.02% | 0.04% |
| 20 | 12 | 1.495 | 1.494 | 0.00 | -0.02% | 0.02% |
| 20 | 13 | 1.495 | 1.494 | 0.00 | -0.02% | 0.03% |
| 20 | 14 | 1.495 | 1.494 | 0.00 | -0.02% | 0.03% |
| 30 | 15 | 1.495 | 1.475 | -0.02 | -1.31% | 1.96% |
| 30 | 16 | 1.494 | 1.475 | -0.02 | -1.30% | 1.94% |
| 30 | 17 | 1.494 | 1.474 | -0.02 | -1.34% | 2.00% |
| 30 | 18 | 1.494 | 1.474 | -0.02 | -1.34% | 2.01% |
| 30 | 19 | 1.494 | 1.472 | -0.02 | -1.51% | 2.25% |
| 30 | 20 | 1.495 | 1.476 | -0.02 | -1.27% | 1.90% |
| 31 | 21 | 1.495 | 1.481 | -0.01 | -0.93% | 1.38% |
| 31 | 22 | 1.494 | 1.480 | -0.01 | -0.98% | 1.46% |
| 31 | 23 | 1.494 | 1.479 | -0.02 | -1.01% | 1.51% |
| 31 | 24 | 1.494 | 1.481 | -0.01 | -0.87% | 1.30% |
| 31 | 25 | 1.494 | 1.477 | -0.02 | -1.17% | 1.75% |
| 31 | 26 | 1.495 | 1.494 | 0.00 | -0.03% | 0.04% |
| 50 | 27 | 1.494 | 1.452 | -0.04 | -2.85% | 4.26% |
| 50 | 28 | 1.495 | 1.459 | -0.04 | -2.36% | 3.53% |
| 50 | 29 | 1.495 | 1.460 | -0.03 | -2.33% | 3.48% |
| 50 | 30 | 1.495 | 1.456 | -0.04 | -2.60% | 3.89% |
| 50 | 31 | 1.495 | 1.460 | -0.03 | -2.34% | 3.49% |
| Max | | 1.495 | 1.495 | 0.00 | 0.00% | 4.26% |
| Average | | 1.495 | 1.483 | -0.01 | -0.78% | 1.16% |
| Min | | 1.494 | 1.452 | -0.04 | -2.85% | 0.00% |
| Std Dev | | 0.000 | 0.013 | 0.01 | 0.90% | 1.35% |



| VIL_5P5V | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 1.85 |
| Min Limit | 0.85 |

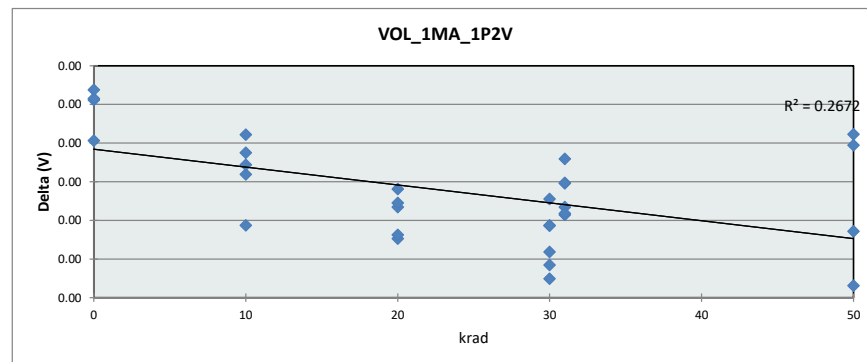
| | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|------|------|------|------|------|
| LL | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| Min | 1.49 | 1.49 | 1.49 | 1.47 | 1.47 | 1.45 |
| Average | 1.49 | 1.49 | 1.49 | 1.48 | 1.48 | 1.47 |
| Max | 1.49 | 1.49 | 1.49 | 1.49 | 1.48 | 1.49 |
| UL | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |



TID Report SN54SC6T07-SEP

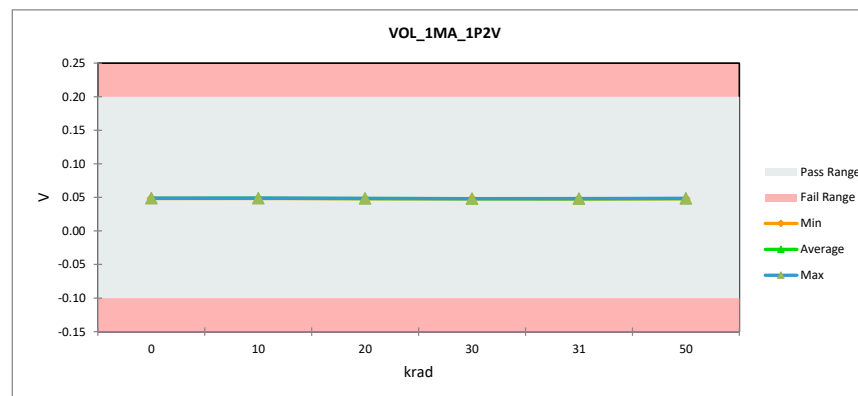
| VOL_1MA_1P2V | |
|--------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.2 |
| Min Limit | -0.1 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.048 | 0.048 | 0.00 | 0.05% | 0.01% |
| 0 | 2 | 0.049 | 0.049 | 0.00 | 0.06% | 0.01% |
| 0 | 3 | 0.049 | 0.049 | 0.00 | 0.16% | 0.03% |
| 0 | 4 | 0.049 | 0.049 | 0.00 | -0.38% | 0.06% |
| 10 | 5 | 0.049 | 0.048 | 0.00 | -0.74% | 0.12% |
| 10 | 6 | 0.049 | 0.049 | 0.00 | -0.32% | 0.05% |
| 10 | 7 | 0.049 | 0.049 | 0.00 | -0.64% | 0.10% |
| 10 | 8 | 0.049 | 0.049 | 0.00 | -0.51% | 0.08% |
| 10 | 9 | 0.049 | 0.048 | 0.00 | -1.28% | 0.21% |
| 20 | 10 | 0.049 | 0.048 | 0.00 | -1.09% | 0.18% |
| 20 | 11 | 0.049 | 0.048 | 0.00 | -1.05% | 0.17% |
| 20 | 12 | 0.049 | 0.048 | 0.00 | -1.42% | 0.23% |
| 20 | 13 | 0.049 | 0.048 | 0.00 | -0.90% | 0.15% |
| 20 | 14 | 0.049 | 0.048 | 0.00 | -1.38% | 0.23% |
| 30 | 15 | 0.049 | 0.048 | 0.00 | -1.57% | 0.25% |
| 30 | 16 | 0.049 | 0.048 | 0.00 | -1.85% | 0.30% |
| 30 | 17 | 0.049 | 0.048 | 0.00 | -1.01% | 0.16% |
| 30 | 18 | 0.048 | 0.048 | 0.00 | -1.29% | 0.21% |
| 30 | 19 | 0.048 | 0.048 | 0.00 | -1.30% | 0.21% |
| 30 | 20 | 0.049 | 0.048 | 0.00 | -1.71% | 0.28% |
| 31 | 21 | 0.049 | 0.048 | 0.00 | -1.09% | 0.18% |
| 31 | 22 | 0.049 | 0.048 | 0.00 | -1.17% | 0.19% |
| 31 | 23 | 0.049 | 0.048 | 0.00 | -0.58% | 0.09% |
| 31 | 24 | 0.048 | 0.048 | 0.00 | -1.16% | 0.19% |
| 31 | 25 | 0.048 | 0.048 | 0.00 | -0.84% | 0.14% |
| 31 | 26 | 0.049 | 0.048 | 0.00 | -0.84% | 0.14% |
| 50 | 27 | 0.049 | 0.049 | 0.00 | -0.43% | 0.07% |
| 50 | 28 | 0.049 | 0.048 | 0.00 | -1.35% | 0.22% |
| 50 | 29 | 0.049 | 0.048 | 0.00 | -1.92% | 0.31% |
| 50 | 30 | 0.048 | 0.048 | 0.00 | -0.32% | 0.05% |
| 50 | 31 | 0.048 | 0.048 | 0.00 | -0.56% | 0.09% |
| Max | | 0.049 | 0.049 | 0.00 | 0.16% | 0.31% |
| Average | | 0.049 | 0.048 | 0.00 | -0.93% | 0.15% |
| Min | | 0.048 | 0.048 | 0.00 | -1.92% | 0.01% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 0.55% | 0.08% |



| VOL_1MA_1P2V | |
|--------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.2 |
| Min Limit | -0.1 |

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



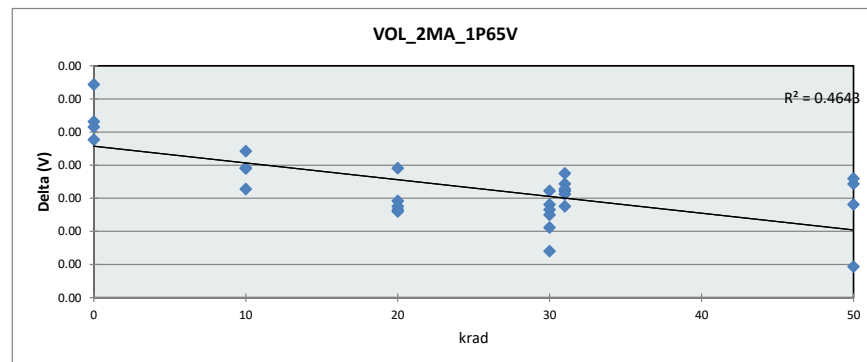
TID Report

SN54SC6T07-SEP

VOL_2MA_1P65V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.2 |
| Min Limit | -0.1 |

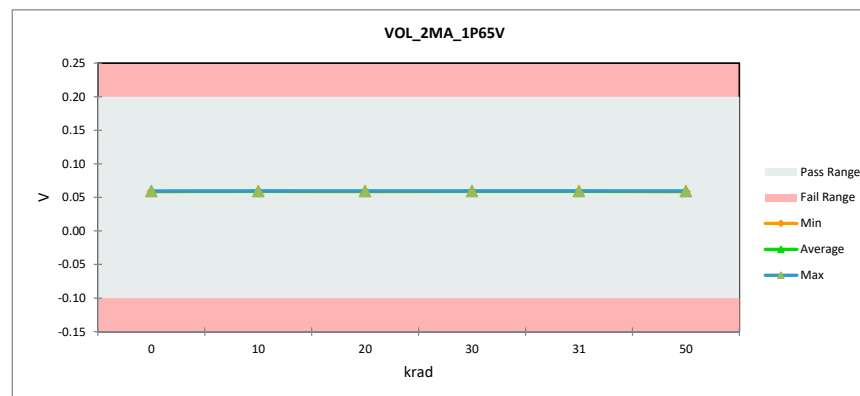
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.058 | 0.059 | 0.00 | 0.49% | 0.10% |
| 0 | 2 | 0.059 | 0.059 | 0.00 | 0.05% | 0.01% |
| 0 | 3 | 0.059 | 0.059 | 0.00 | 0.11% | 0.02% |
| 0 | 4 | 0.059 | 0.059 | 0.00 | -0.08% | 0.02% |
| 10 | 5 | 0.059 | 0.059 | 0.00 | -0.20% | 0.04% |
| 10 | 6 | 0.059 | 0.059 | 0.00 | -0.58% | 0.11% |
| 10 | 7 | 0.059 | 0.059 | 0.00 | -0.37% | 0.07% |
| 10 | 8 | 0.059 | 0.059 | 0.00 | -0.37% | 0.07% |
| 10 | 9 | 0.059 | 0.059 | 0.00 | -0.37% | 0.07% |
| 20 | 10 | 0.059 | 0.059 | 0.00 | -0.80% | 0.16% |
| 20 | 11 | 0.060 | 0.059 | 0.00 | -0.70% | 0.14% |
| 20 | 12 | 0.060 | 0.060 | 0.00 | -0.75% | 0.15% |
| 20 | 13 | 0.060 | 0.059 | 0.00 | -0.80% | 0.16% |
| 20 | 14 | 0.059 | 0.059 | 0.00 | -0.37% | 0.07% |
| 30 | 15 | 0.060 | 0.059 | 0.00 | -0.97% | 0.19% |
| 30 | 16 | 0.060 | 0.059 | 0.00 | -0.59% | 0.12% |
| 30 | 17 | 0.060 | 0.059 | 0.00 | -0.73% | 0.15% |
| 30 | 18 | 0.059 | 0.059 | 0.00 | -0.79% | 0.16% |
| 30 | 19 | 0.059 | 0.059 | 0.00 | -0.84% | 0.17% |
| 30 | 20 | 0.060 | 0.059 | 0.00 | -1.21% | 0.24% |
| 31 | 21 | 0.060 | 0.059 | 0.00 | -0.60% | 0.12% |
| 31 | 22 | 0.060 | 0.059 | 0.00 | -0.75% | 0.15% |
| 31 | 23 | 0.060 | 0.060 | 0.00 | -0.52% | 0.10% |
| 31 | 24 | 0.059 | 0.059 | 0.00 | -0.42% | 0.08% |
| 31 | 25 | 0.059 | 0.059 | 0.00 | -0.58% | 0.11% |
| 31 | 26 | 0.060 | 0.059 | 0.00 | -0.63% | 0.13% |
| 50 | 27 | 0.060 | 0.059 | 0.00 | -0.52% | 0.10% |
| 50 | 28 | 0.059 | 0.058 | 0.00 | -1.37% | 0.27% |
| 50 | 29 | 0.059 | 0.059 | 0.00 | -0.74% | 0.15% |
| 50 | 30 | 0.059 | 0.059 | 0.00 | -0.48% | 0.09% |
| 50 | 31 | 0.059 | 0.059 | 0.00 | -0.42% | 0.08% |
| | Max | 0.060 | 0.060 | 0.00 | 0.49% | 0.27% |
| | Average | 0.059 | 0.059 | 0.00 | -0.55% | 0.12% |
| | Min | 0.058 | 0.058 | 0.00 | -1.37% | 0.01% |
| | Std Dev | 0.000 | 0.000 | 0.00 | 0.38% | 0.06% |



VOL_2MA_1P65V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.2 |
| Min Limit | -0.1 |

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

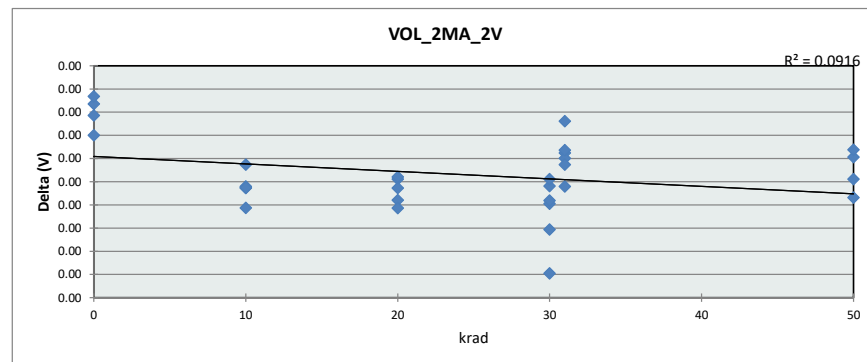


TID Report SN54SC6T07-SEP

VOL_2MA_2V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.25 |
| Min Limit | -0.1 |

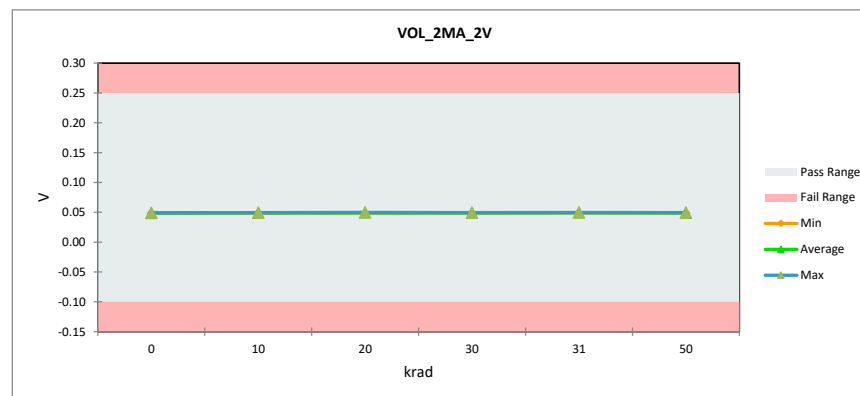
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.048 | 0.049 | 0.00 | 0.28% | 0.04% |
| 0 | 2 | 0.049 | 0.049 | 0.00 | 0.00% | 0.00% |
| 0 | 3 | 0.049 | 0.049 | 0.00 | 0.34% | 0.05% |
| 0 | 4 | 0.049 | 0.049 | 0.00 | 0.17% | 0.02% |
| 10 | 5 | 0.049 | 0.049 | 0.00 | -0.45% | 0.06% |
| 10 | 6 | 0.049 | 0.049 | 0.00 | -0.46% | 0.06% |
| 10 | 7 | 0.049 | 0.049 | 0.00 | -0.46% | 0.06% |
| 10 | 8 | 0.049 | 0.049 | 0.00 | -0.26% | 0.04% |
| 10 | 9 | 0.049 | 0.049 | 0.00 | -0.64% | 0.09% |
| 20 | 10 | 0.049 | 0.049 | 0.00 | -0.57% | 0.08% |
| 20 | 11 | 0.050 | 0.049 | 0.00 | -0.63% | 0.09% |
| 20 | 12 | 0.050 | 0.050 | 0.00 | -0.38% | 0.05% |
| 20 | 13 | 0.050 | 0.050 | 0.00 | -0.46% | 0.06% |
| 20 | 14 | 0.049 | 0.049 | 0.00 | -0.37% | 0.05% |
| 30 | 15 | 0.050 | 0.049 | 0.00 | -0.59% | 0.08% |
| 30 | 16 | 0.050 | 0.049 | 0.00 | -0.44% | 0.06% |
| 30 | 17 | 0.050 | 0.049 | 0.00 | -0.38% | 0.05% |
| 30 | 18 | 0.049 | 0.049 | 0.00 | -0.57% | 0.08% |
| 30 | 19 | 0.049 | 0.049 | 0.00 | -0.82% | 0.12% |
| 30 | 20 | 0.050 | 0.049 | 0.00 | -1.20% | 0.17% |
| 31 | 21 | 0.050 | 0.050 | 0.00 | -0.15% | 0.02% |
| 31 | 22 | 0.050 | 0.050 | 0.00 | -0.20% | 0.03% |
| 31 | 23 | 0.050 | 0.050 | 0.00 | 0.12% | 0.02% |
| 31 | 24 | 0.049 | 0.049 | 0.00 | -0.13% | 0.02% |
| 31 | 25 | 0.049 | 0.049 | 0.00 | -0.26% | 0.04% |
| 31 | 26 | 0.050 | 0.049 | 0.00 | -0.44% | 0.06% |
| 50 | 27 | 0.050 | 0.049 | 0.00 | -0.19% | 0.03% |
| 50 | 28 | 0.049 | 0.049 | 0.00 | -0.54% | 0.08% |
| 50 | 29 | 0.049 | 0.049 | 0.00 | -0.39% | 0.05% |
| 50 | 30 | 0.049 | 0.049 | 0.00 | -0.13% | 0.02% |
| 50 | 31 | 0.049 | 0.049 | 0.00 | -0.51% | 0.07% |
| | Max | 0.050 | 0.050 | 0.00 | 0.34% | 0.17% |
| | Average | 0.049 | 0.049 | 0.00 | -0.34% | 0.06% |
| | Min | 0.048 | 0.049 | 0.00 | -1.20% | 0.00% |
| | Std Dev | 0.000 | 0.000 | 0.00 | 0.33% | 0.03% |



VOL_2MA_2V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.25 |
| Min Limit | -0.1 |

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



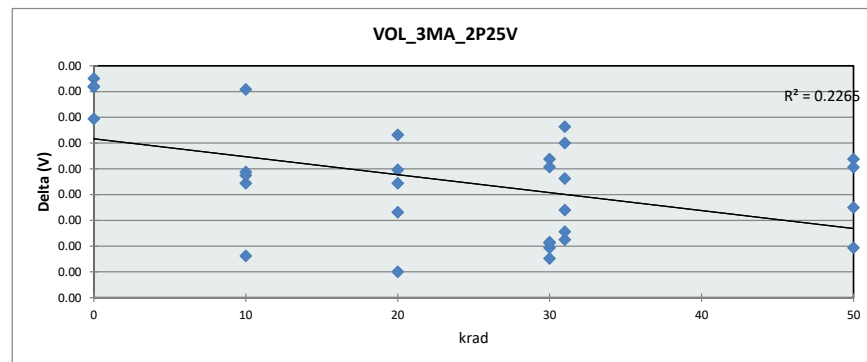
TID Report

SN54SC6T07-SEP

VOL_3MA_2P25V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.2 |
| Min Limit | -0.1 |

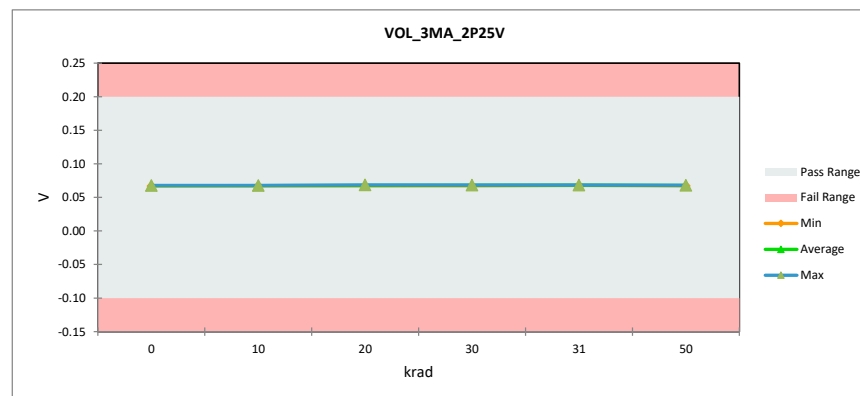
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.067 | 0.067 | 0.00 | 0.33% | 0.07% |
| 0 | 2 | 0.067 | 0.068 | 0.00 | 0.37% | 0.08% |
| 0 | 3 | 0.067 | 0.067 | 0.00 | 0.33% | 0.07% |
| 0 | 4 | 0.068 | 0.068 | 0.00 | 0.14% | 0.03% |
| 10 | 5 | 0.067 | 0.067 | 0.00 | 0.31% | 0.07% |
| 10 | 6 | 0.068 | 0.068 | 0.00 | -0.64% | 0.15% |
| 10 | 7 | 0.068 | 0.068 | 0.00 | -0.17% | 0.04% |
| 10 | 8 | 0.067 | 0.067 | 0.00 | -0.23% | 0.05% |
| 10 | 9 | 0.067 | 0.067 | 0.00 | -0.19% | 0.04% |
| 20 | 10 | 0.068 | 0.067 | 0.00 | -0.74% | 0.17% |
| 20 | 11 | 0.068 | 0.068 | 0.00 | 0.05% | 0.01% |
| 20 | 12 | 0.069 | 0.069 | 0.00 | -0.23% | 0.05% |
| 20 | 13 | 0.069 | 0.068 | 0.00 | -0.39% | 0.09% |
| 20 | 14 | 0.067 | 0.067 | 0.00 | -0.15% | 0.03% |
| 30 | 15 | 0.069 | 0.068 | 0.00 | -0.56% | 0.13% |
| 30 | 16 | 0.069 | 0.068 | 0.00 | -0.65% | 0.15% |
| 30 | 17 | 0.068 | 0.068 | 0.00 | -0.09% | 0.02% |
| 30 | 18 | 0.068 | 0.068 | 0.00 | -0.59% | 0.14% |
| 30 | 19 | 0.068 | 0.068 | 0.00 | -0.14% | 0.03% |
| 30 | 20 | 0.068 | 0.068 | 0.00 | -0.57% | 0.13% |
| 31 | 21 | 0.069 | 0.068 | 0.00 | -0.55% | 0.12% |
| 31 | 22 | 0.069 | 0.068 | 0.00 | -0.38% | 0.09% |
| 31 | 23 | 0.068 | 0.068 | 0.00 | 0.09% | 0.02% |
| 31 | 24 | 0.068 | 0.068 | 0.00 | -0.50% | 0.11% |
| 31 | 25 | 0.068 | 0.068 | 0.00 | 0.00% | 0.00% |
| 31 | 26 | 0.068 | 0.068 | 0.00 | -0.20% | 0.05% |
| 50 | 27 | 0.069 | 0.068 | 0.00 | -0.59% | 0.14% |
| 50 | 28 | 0.068 | 0.068 | 0.00 | -0.09% | 0.02% |
| 50 | 29 | 0.067 | 0.067 | 0.00 | -0.37% | 0.08% |
| 50 | 30 | 0.067 | 0.067 | 0.00 | -0.14% | 0.03% |
| 50 | 31 | 0.067 | 0.067 | 0.00 | -0.33% | 0.07% |
| | Max | 0.069 | 0.069 | 0.00 | 0.37% | 0.17% |
| | Average | 0.068 | 0.068 | 0.00 | -0.22% | 0.07% |
| | Min | 0.067 | 0.067 | 0.00 | -0.74% | 0.00% |
| | Std Dev | 0.001 | 0.000 | 0.00 | 0.32% | 0.05% |



VOL_3MA_2P25V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.2 |
| Min Limit | -0.1 |

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



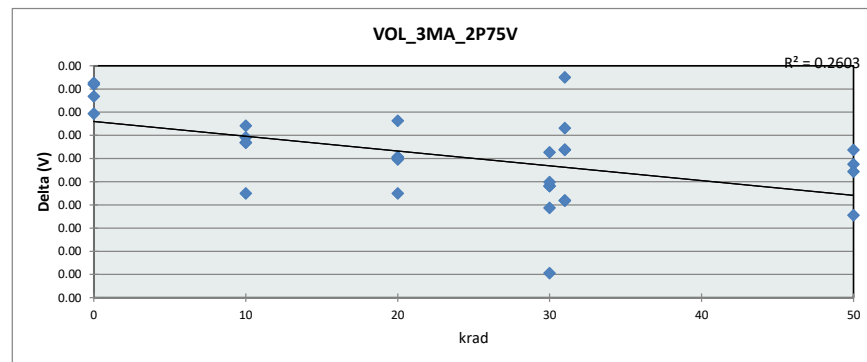
TID Report

SN54SC6T07-SEP

VOL_3MA_2P75V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.2 |
| Min Limit | -0.1 |

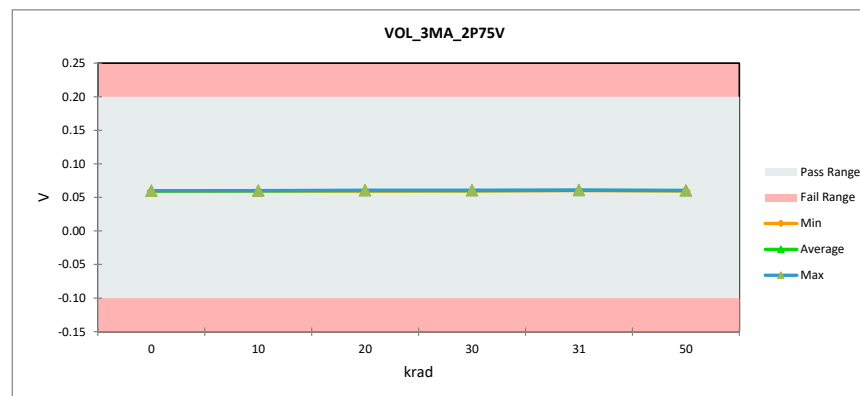
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.059 | 0.059 | 0.00 | 0.16% | 0.03% |
| 0 | 2 | 0.060 | 0.060 | 0.00 | 0.37% | 0.07% |
| 0 | 3 | 0.059 | 0.060 | 0.00 | 0.38% | 0.08% |
| 0 | 4 | 0.060 | 0.060 | 0.00 | 0.28% | 0.06% |
| 10 | 5 | 0.060 | 0.060 | 0.00 | -0.02% | 0.00% |
| 10 | 6 | 0.060 | 0.060 | 0.00 | -0.42% | 0.08% |
| 10 | 7 | 0.060 | 0.060 | 0.00 | 0.07% | 0.01% |
| 10 | 8 | 0.060 | 0.060 | 0.00 | -0.05% | 0.01% |
| 10 | 9 | 0.060 | 0.060 | 0.00 | -0.05% | 0.01% |
| 20 | 10 | 0.060 | 0.059 | 0.00 | -0.42% | 0.08% |
| 20 | 11 | 0.061 | 0.061 | 0.00 | -0.15% | 0.03% |
| 20 | 12 | 0.061 | 0.061 | 0.00 | 0.10% | 0.02% |
| 20 | 13 | 0.061 | 0.061 | 0.00 | -0.15% | 0.03% |
| 20 | 14 | 0.060 | 0.060 | 0.00 | -0.18% | 0.03% |
| 30 | 15 | 0.061 | 0.060 | 0.00 | -0.98% | 0.20% |
| 30 | 16 | 0.061 | 0.061 | 0.00 | -0.12% | 0.02% |
| 30 | 17 | 0.061 | 0.060 | 0.00 | -0.36% | 0.07% |
| 30 | 18 | 0.060 | 0.060 | 0.00 | -0.52% | 0.10% |
| 30 | 19 | 0.060 | 0.060 | 0.00 | -0.36% | 0.07% |
| 30 | 20 | 0.060 | 0.060 | 0.00 | -0.33% | 0.07% |
| 31 | 21 | 0.061 | 0.060 | 0.00 | -0.46% | 0.09% |
| 31 | 22 | 0.061 | 0.061 | 0.00 | 0.05% | 0.01% |
| 31 | 23 | 0.061 | 0.061 | 0.00 | 0.41% | 0.08% |
| 31 | 24 | 0.060 | 0.060 | 0.00 | -0.10% | 0.02% |
| 31 | 25 | 0.060 | 0.060 | 0.00 | -0.47% | 0.09% |
| 31 | 26 | 0.060 | 0.060 | 0.00 | -0.10% | 0.02% |
| 50 | 27 | 0.061 | 0.060 | 0.00 | -0.57% | 0.11% |
| 50 | 28 | 0.060 | 0.060 | 0.00 | -0.21% | 0.04% |
| 50 | 29 | 0.060 | 0.060 | 0.00 | -0.11% | 0.02% |
| 50 | 30 | 0.060 | 0.059 | 0.00 | -0.26% | 0.05% |
| 50 | 31 | 0.060 | 0.059 | 0.00 | -0.47% | 0.09% |
| | Max | 0.061 | 0.061 | 0.00 | 0.41% | 0.20% |
| | Average | 0.060 | 0.060 | 0.00 | -0.15% | 0.06% |
| | Min | 0.059 | 0.059 | 0.00 | -0.98% | 0.00% |
| | Std Dev | 0.001 | 0.000 | 0.00 | 0.31% | 0.04% |



VOL_3MA_2P75V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.2 |
| Min Limit | -0.1 |

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



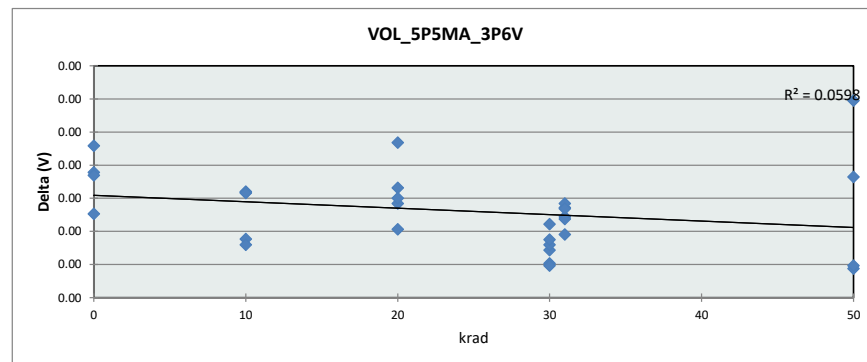
TID Report

SN54SC6T07-SEP

VOL_5P5MA_3P6V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.25 |
| Min Limit | -0.1 |

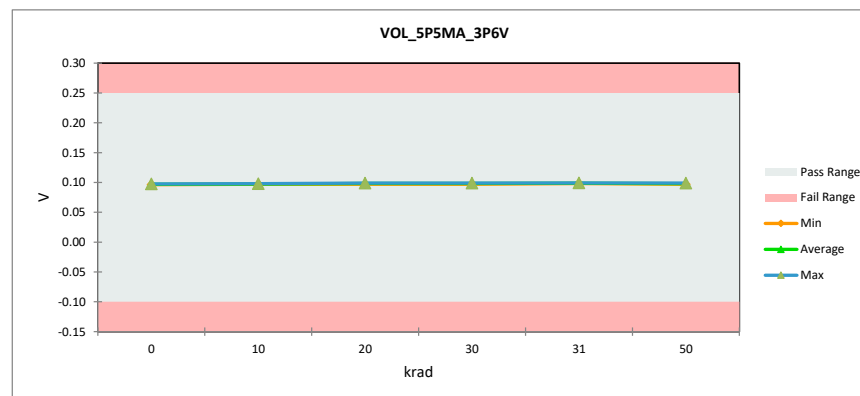
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.096 | 0.096 | 0.00 | -0.10% | 0.03% |
| 0 | 2 | 0.097 | 0.097 | 0.00 | 0.16% | 0.04% |
| 0 | 3 | 0.097 | 0.097 | 0.00 | 0.14% | 0.04% |
| 0 | 4 | 0.098 | 0.098 | 0.00 | 0.33% | 0.09% |
| 10 | 5 | 0.097 | 0.097 | 0.00 | 0.04% | 0.01% |
| 10 | 6 | 0.097 | 0.097 | 0.00 | 0.04% | 0.01% |
| 10 | 7 | 0.097 | 0.097 | 0.00 | 0.03% | 0.01% |
| 10 | 8 | 0.097 | 0.097 | 0.00 | -0.25% | 0.07% |
| 10 | 9 | 0.097 | 0.097 | 0.00 | -0.29% | 0.08% |
| 20 | 10 | 0.097 | 0.097 | 0.00 | 0.06% | 0.02% |
| 20 | 11 | 0.099 | 0.099 | 0.00 | 0.34% | 0.10% |
| 20 | 12 | 0.099 | 0.099 | 0.00 | -0.03% | 0.01% |
| 20 | 13 | 0.099 | 0.099 | 0.00 | -0.19% | 0.05% |
| 20 | 14 | 0.097 | 0.097 | 0.00 | 0.00% | 0.00% |
| 30 | 15 | 0.099 | 0.099 | 0.00 | -0.16% | 0.04% |
| 30 | 16 | 0.099 | 0.099 | 0.00 | -0.40% | 0.11% |
| 30 | 17 | 0.099 | 0.099 | 0.00 | -0.32% | 0.09% |
| 30 | 18 | 0.099 | 0.099 | 0.00 | -0.28% | 0.08% |
| 30 | 19 | 0.098 | 0.098 | 0.00 | -0.25% | 0.07% |
| 30 | 20 | 0.099 | 0.098 | 0.00 | -0.41% | 0.12% |
| 31 | 21 | 0.099 | 0.099 | 0.00 | -0.22% | 0.06% |
| 31 | 22 | 0.099 | 0.099 | 0.00 | -0.11% | 0.03% |
| 31 | 23 | 0.099 | 0.099 | 0.00 | -0.06% | 0.02% |
| 31 | 24 | 0.099 | 0.099 | 0.00 | -0.03% | 0.01% |
| 31 | 25 | 0.098 | 0.098 | 0.00 | -0.06% | 0.02% |
| 31 | 26 | 0.099 | 0.099 | 0.00 | -0.13% | 0.04% |
| 50 | 27 | 0.099 | 0.099 | 0.00 | -0.43% | 0.12% |
| 50 | 28 | 0.098 | 0.098 | 0.00 | 0.60% | 0.17% |
| 50 | 29 | 0.098 | 0.097 | 0.00 | -0.42% | 0.12% |
| 50 | 30 | 0.097 | 0.097 | 0.00 | 0.13% | 0.04% |
| 50 | 31 | 0.097 | 0.097 | 0.00 | -0.06% | 0.02% |
| | Max | 0.099 | 0.099 | 0.00 | 0.60% | 0.17% |
| | Average | 0.098 | 0.098 | 0.00 | -0.08% | 0.06% |
| | Min | 0.096 | 0.096 | 0.00 | -0.43% | 0.00% |
| | Std Dev | 0.001 | 0.001 | 0.00 | 0.24% | 0.04% |



VOL_5P5MA_3P6V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.25 |
| Min Limit | -0.1 |

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

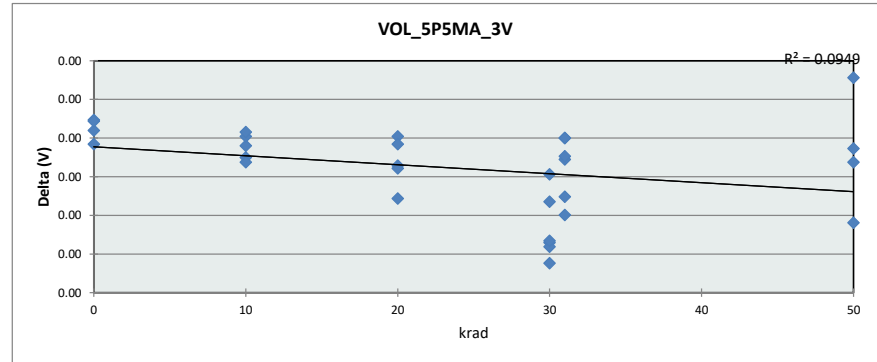


TID Report

SN54SC6T07-SEP

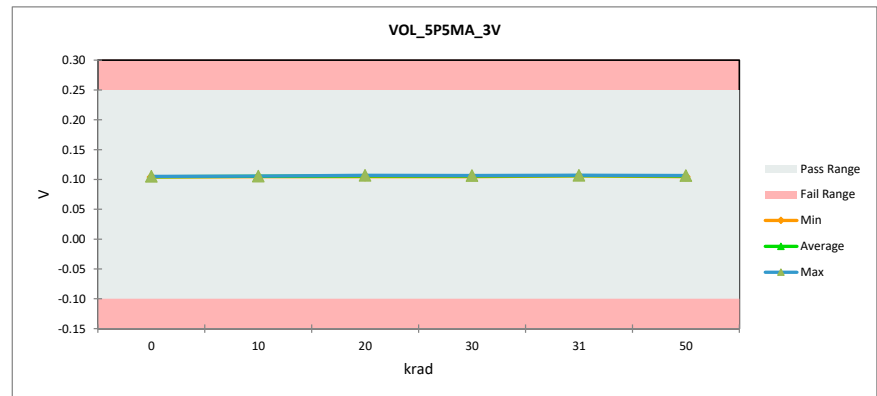
| VOL_5P5MA_3V | |
|--------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.25 |
| Min Limit | -0.1 |

| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.104 | 0.104 | 0.00 | 0.09% | 0.03% |
| 0 | 2 | 0.105 | 0.105 | 0.00 | -0.03% | 0.01% |
| 0 | 3 | 0.105 | 0.105 | 0.00 | 0.04% | 0.01% |
| 0 | 4 | 0.106 | 0.106 | 0.00 | 0.08% | 0.03% |
| 10 | 5 | 0.105 | 0.105 | 0.00 | -0.10% | 0.03% |
| 10 | 6 | 0.105 | 0.105 | 0.00 | -0.04% | 0.01% |
| 10 | 7 | 0.105 | 0.105 | 0.00 | 0.01% | 0.00% |
| 10 | 8 | 0.105 | 0.105 | 0.00 | -0.12% | 0.04% |
| 10 | 9 | 0.105 | 0.105 | 0.00 | 0.03% | 0.01% |
| 20 | 10 | 0.105 | 0.105 | 0.00 | -0.30% | 0.09% |
| 20 | 11 | 0.107 | 0.107 | 0.00 | 0.01% | 0.00% |
| 20 | 12 | 0.107 | 0.107 | 0.00 | -0.03% | 0.01% |
| 20 | 13 | 0.107 | 0.107 | 0.00 | -0.13% | 0.04% |
| 20 | 14 | 0.105 | 0.105 | 0.00 | -0.15% | 0.04% |
| 30 | 15 | 0.107 | 0.106 | 0.00 | -0.61% | 0.19% |
| 30 | 16 | 0.107 | 0.107 | 0.00 | -0.31% | 0.09% |
| 30 | 17 | 0.107 | 0.107 | 0.00 | -0.50% | 0.15% |
| 30 | 18 | 0.106 | 0.106 | 0.00 | -0.18% | 0.05% |
| 30 | 19 | 0.107 | 0.106 | 0.00 | -0.53% | 0.16% |
| 30 | 20 | 0.107 | 0.106 | 0.00 | -0.50% | 0.15% |
| 31 | 21 | 0.107 | 0.107 | 0.00 | -0.37% | 0.11% |
| 31 | 22 | 0.107 | 0.107 | 0.00 | -0.10% | 0.03% |
| 31 | 23 | 0.107 | 0.107 | 0.00 | 0.00% | 0.00% |
| 31 | 24 | 0.106 | 0.106 | 0.00 | 0.00% | 0.00% |
| 31 | 25 | 0.107 | 0.106 | 0.00 | -0.29% | 0.09% |
| 31 | 26 | 0.107 | 0.106 | 0.00 | -0.09% | 0.03% |
| 50 | 27 | 0.107 | 0.107 | 0.00 | -0.41% | 0.13% |
| 50 | 28 | 0.105 | 0.106 | 0.00 | 0.30% | 0.09% |
| 50 | 29 | 0.105 | 0.105 | 0.00 | -0.05% | 0.02% |
| 50 | 30 | 0.105 | 0.105 | 0.00 | -0.12% | 0.04% |
| 50 | 31 | 0.105 | 0.104 | 0.00 | -0.27% | 0.08% |
| | Max | 0.107 | 0.107 | 0.00 | 0.30% | 0.19% |
| | Average | 0.106 | 0.106 | 0.00 | -0.15% | 0.06% |
| | Min | 0.104 | 0.104 | 0.00 | -0.61% | 0.00% |
| | Std Dev | 0.001 | 0.001 | 0.00 | 0.21% | 0.06% |



| VOL_5P5MA_3V | |
|--------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.25 |
| Min Limit | -0.1 |

| | krad | 0 | 10 | 20 | 30 | 31 | 50 |
|---------|------|-------|-------|-------|-------|-------|-------|
| LL | | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 |
| Min | | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.10 |
| Average | | 0.10 | 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 |

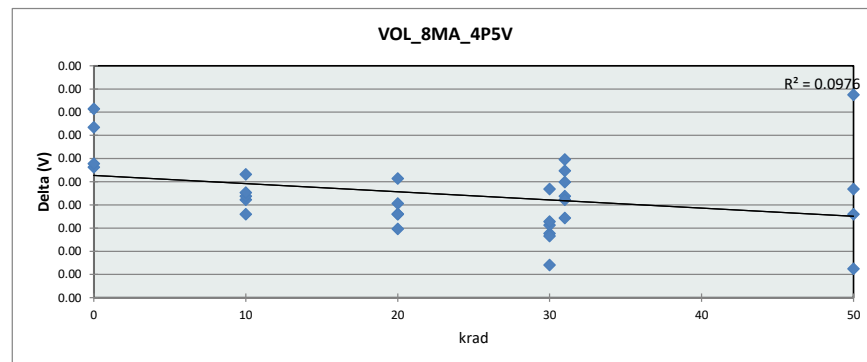


TID Report SN54SC6T07-SEP

VOL_8MA_4P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.35 |
| Min Limit | -0.1 |

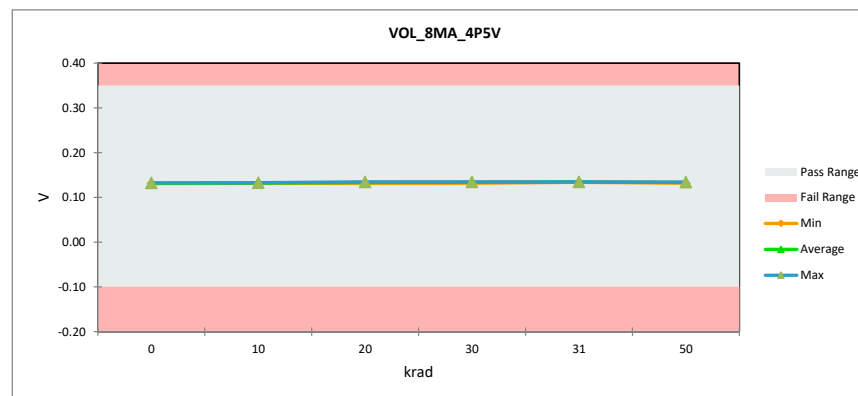
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.131 | 0.131 | 0.00 | 0.10% | 0.03% |
| 0 | 2 | 0.132 | 0.132 | 0.00 | 0.12% | 0.03% |
| 0 | 3 | 0.131 | 0.132 | 0.00 | 0.48% | 0.14% |
| 0 | 4 | 0.132 | 0.133 | 0.00 | 0.35% | 0.10% |
| 10 | 5 | 0.131 | 0.131 | 0.00 | 0.05% | 0.01% |
| 10 | 6 | 0.133 | 0.132 | 0.00 | -0.21% | 0.06% |
| 10 | 7 | 0.132 | 0.132 | 0.00 | -0.12% | 0.03% |
| 10 | 8 | 0.132 | 0.132 | 0.00 | -0.09% | 0.03% |
| 10 | 9 | 0.132 | 0.132 | 0.00 | -0.07% | 0.02% |
| 20 | 10 | 0.132 | 0.131 | 0.00 | -0.31% | 0.09% |
| 20 | 11 | 0.134 | 0.134 | 0.00 | 0.02% | 0.01% |
| 20 | 12 | 0.135 | 0.135 | 0.00 | -0.14% | 0.04% |
| 20 | 13 | 0.135 | 0.134 | 0.00 | -0.21% | 0.06% |
| 20 | 14 | 0.132 | 0.132 | 0.00 | -0.21% | 0.06% |
| 30 | 15 | 0.135 | 0.134 | 0.00 | -0.33% | 0.10% |
| 30 | 16 | 0.135 | 0.134 | 0.00 | -0.53% | 0.16% |
| 30 | 17 | 0.134 | 0.134 | 0.00 | -0.05% | 0.01% |
| 30 | 18 | 0.134 | 0.134 | 0.00 | -0.28% | 0.08% |
| 30 | 19 | 0.134 | 0.134 | 0.00 | -0.26% | 0.08% |
| 30 | 20 | 0.134 | 0.134 | 0.00 | -0.35% | 0.10% |
| 31 | 21 | 0.135 | 0.134 | 0.00 | -0.23% | 0.07% |
| 31 | 22 | 0.135 | 0.135 | 0.00 | -0.09% | 0.03% |
| 31 | 23 | 0.134 | 0.135 | 0.00 | 0.14% | 0.04% |
| 31 | 24 | 0.134 | 0.134 | 0.00 | -0.12% | 0.03% |
| 31 | 25 | 0.134 | 0.134 | 0.00 | 0.07% | 0.02% |
| 31 | 26 | 0.134 | 0.134 | 0.00 | 0.00% | 0.00% |
| 50 | 27 | 0.135 | 0.134 | 0.00 | -0.56% | 0.17% |
| 50 | 28 | 0.133 | 0.133 | 0.00 | 0.57% | 0.17% |
| 50 | 29 | 0.132 | 0.132 | 0.00 | -0.21% | 0.06% |
| 50 | 30 | 0.132 | 0.132 | 0.00 | -0.05% | 0.01% |
| 50 | 31 | 0.132 | 0.131 | 0.00 | -0.21% | 0.06% |
| | Max | 0.135 | 0.135 | 0.00 | 0.57% | 0.17% |
| | Average | 0.133 | 0.133 | 0.00 | -0.08% | 0.06% |
| | Min | 0.131 | 0.131 | 0.00 | -0.56% | 0.00% |
| | Std Dev | 0.001 | 0.001 | 0.00 | 0.26% | 0.05% |



VOL_8MA_4P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.35 |
| Min Limit | -0.1 |

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



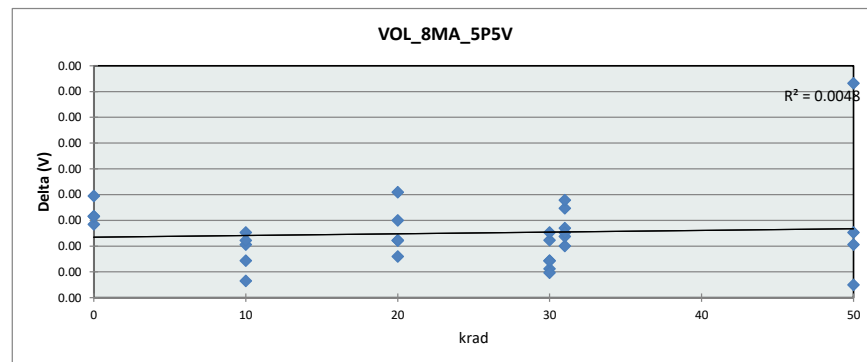
TID Report

SN54SC6T07-SEP

VOL_8MA_5P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.35 |
| Min Limit | -0.1 |

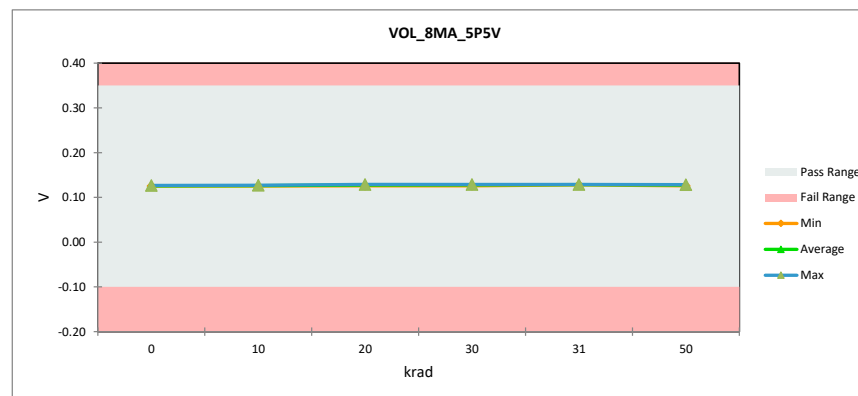
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.125 | 0.125 | 0.00 | -0.02% | 0.01% |
| 0 | 2 | 0.127 | 0.127 | 0.00 | 0.02% | 0.01% |
| 0 | 3 | 0.126 | 0.126 | 0.00 | 0.02% | 0.01% |
| 0 | 4 | 0.127 | 0.127 | 0.00 | 0.15% | 0.04% |
| 10 | 5 | 0.126 | 0.125 | 0.00 | -0.25% | 0.07% |
| 10 | 6 | 0.127 | 0.127 | 0.00 | -0.15% | 0.04% |
| 10 | 7 | 0.126 | 0.126 | 0.00 | -0.07% | 0.02% |
| 10 | 8 | 0.127 | 0.126 | 0.00 | -0.37% | 0.10% |
| 10 | 9 | 0.126 | 0.126 | 0.00 | -0.12% | 0.03% |
| 20 | 10 | 0.126 | 0.126 | 0.00 | -0.12% | 0.03% |
| 20 | 11 | 0.129 | 0.129 | 0.00 | 0.17% | 0.05% |
| 20 | 12 | 0.129 | 0.129 | 0.00 | 0.00% | 0.00% |
| 20 | 13 | 0.129 | 0.129 | 0.00 | -0.12% | 0.03% |
| 20 | 14 | 0.126 | 0.126 | 0.00 | -0.22% | 0.06% |
| 30 | 15 | 0.129 | 0.129 | 0.00 | -0.12% | 0.03% |
| 30 | 16 | 0.129 | 0.128 | 0.00 | -0.29% | 0.08% |
| 30 | 17 | 0.129 | 0.129 | 0.00 | -0.07% | 0.02% |
| 30 | 18 | 0.129 | 0.128 | 0.00 | -0.32% | 0.09% |
| 30 | 19 | 0.128 | 0.128 | 0.00 | -0.24% | 0.07% |
| 30 | 20 | 0.129 | 0.128 | 0.00 | -0.24% | 0.07% |
| 31 | 21 | 0.129 | 0.129 | 0.00 | -0.15% | 0.04% |
| 31 | 22 | 0.129 | 0.129 | 0.00 | 0.07% | 0.02% |
| 31 | 23 | 0.129 | 0.129 | 0.00 | -0.05% | 0.01% |
| 31 | 24 | 0.129 | 0.128 | 0.00 | -0.10% | 0.03% |
| 31 | 25 | 0.128 | 0.128 | 0.00 | 0.12% | 0.03% |
| 31 | 26 | 0.129 | 0.129 | 0.00 | -0.07% | 0.02% |
| 50 | 27 | 0.129 | 0.128 | 0.00 | -0.39% | 0.11% |
| 50 | 28 | 0.127 | 0.128 | 0.00 | 0.84% | 0.24% |
| 50 | 29 | 0.126 | 0.126 | 0.00 | -0.15% | 0.04% |
| 50 | 30 | 0.126 | 0.126 | 0.00 | -0.07% | 0.02% |
| 50 | 31 | 0.126 | 0.126 | 0.00 | -0.30% | 0.08% |
| | Max | 0.129 | 0.129 | 0.00 | 0.84% | 0.24% |
| | Average | 0.128 | 0.127 | 0.00 | -0.08% | 0.05% |
| | Min | 0.125 | 0.125 | 0.00 | -0.39% | 0.00% |
| | Std Dev | 0.001 | 0.001 | 0.00 | 0.22% | 0.05% |



VOL_8MA_5P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.35 |
| Min Limit | -0.1 |

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

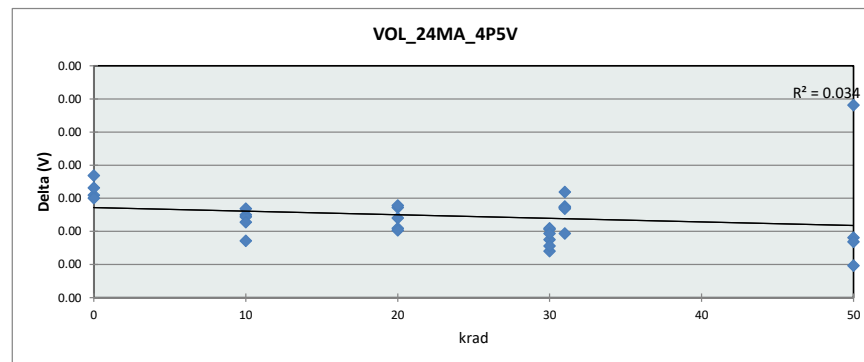


TID Report SN54SC6T07-SEP

VOL_24MA_4P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.75 |
| Min Limit | -0.1 |

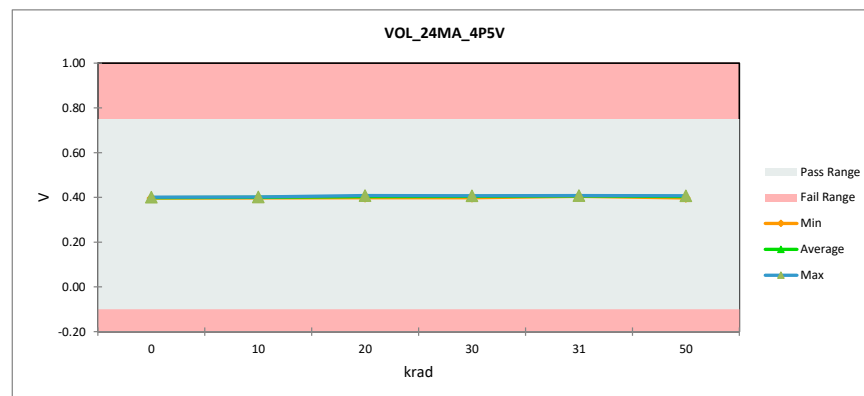
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.397 | 0.397 | 0.00 | 0.02% | 0.01% |
| 0 | 2 | 0.401 | 0.401 | 0.00 | 0.00% | 0.00% |
| 0 | 3 | 0.398 | 0.398 | 0.00 | 0.17% | 0.08% |
| 0 | 4 | 0.401 | 0.402 | 0.00 | 0.08% | 0.04% |
| 10 | 5 | 0.398 | 0.398 | 0.00 | -0.13% | 0.06% |
| 10 | 6 | 0.402 | 0.400 | 0.00 | -0.32% | 0.15% |
| 10 | 7 | 0.400 | 0.400 | 0.00 | -0.14% | 0.07% |
| 10 | 8 | 0.400 | 0.400 | 0.00 | -0.08% | 0.04% |
| 10 | 9 | 0.399 | 0.399 | 0.00 | -0.18% | 0.08% |
| 20 | 10 | 0.399 | 0.398 | 0.00 | -0.23% | 0.11% |
| 20 | 11 | 0.407 | 0.407 | 0.00 | -0.07% | 0.03% |
| 20 | 12 | 0.408 | 0.408 | 0.00 | -0.05% | 0.03% |
| 20 | 13 | 0.408 | 0.407 | 0.00 | -0.24% | 0.11% |
| 20 | 14 | 0.399 | 0.399 | 0.00 | -0.15% | 0.07% |
| 30 | 15 | 0.409 | 0.407 | 0.00 | -0.39% | 0.19% |
| 30 | 16 | 0.408 | 0.406 | 0.00 | -0.31% | 0.15% |
| 30 | 17 | 0.408 | 0.407 | 0.00 | -0.23% | 0.11% |
| 30 | 18 | 0.407 | 0.406 | 0.00 | -0.22% | 0.11% |
| 30 | 19 | 0.406 | 0.405 | 0.00 | -0.26% | 0.13% |
| 30 | 20 | 0.407 | 0.406 | 0.00 | -0.35% | 0.17% |
| 31 | 21 | 0.409 | 0.408 | 0.00 | -0.26% | 0.13% |
| 31 | 22 | 0.408 | 0.407 | 0.00 | -0.07% | 0.03% |
| 31 | 23 | 0.408 | 0.408 | 0.00 | 0.05% | 0.02% |
| 31 | 24 | 0.407 | 0.406 | 0.00 | -0.07% | 0.03% |
| 31 | 25 | 0.406 | 0.405 | 0.00 | -0.06% | 0.03% |
| 31 | 26 | 0.407 | 0.407 | 0.00 | -0.08% | 0.04% |
| 50 | 27 | 0.408 | 0.406 | 0.00 | -0.50% | 0.24% |
| 50 | 28 | 0.401 | 0.404 | 0.00 | 0.70% | 0.33% |
| 50 | 29 | 0.400 | 0.399 | 0.00 | -0.30% | 0.14% |
| 50 | 30 | 0.399 | 0.398 | 0.00 | -0.33% | 0.15% |
| 50 | 31 | 0.399 | 0.398 | 0.00 | -0.22% | 0.10% |
| Max | | 0.409 | 0.408 | 0.00 | 0.70% | 0.33% |
| Average | | 0.404 | 0.403 | 0.00 | -0.13% | 0.10% |
| Min | | 0.397 | 0.397 | 0.00 | -0.50% | 0.00% |
| Std Dev | | 0.004 | 0.004 | 0.00 | 0.22% | 0.07% |



VOL_24MA_4P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.75 |
| Min Limit | -0.1 |

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



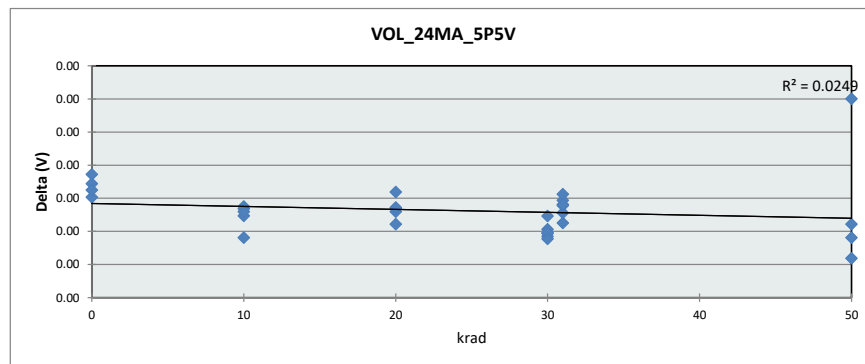
TID Report

SN54SC6T07-SEP

VOL_24MA_5P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.75 |
| Min Limit | -0.1 |

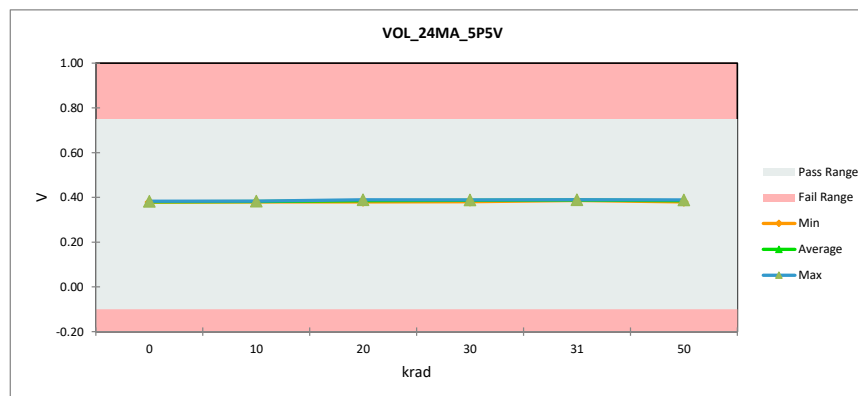
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.378 | 0.378 | 0.00 | 0.12% | 0.05% |
| 0 | 2 | 0.383 | 0.383 | 0.00 | 0.01% | 0.00% |
| 0 | 3 | 0.379 | 0.380 | 0.00 | 0.19% | 0.08% |
| 0 | 4 | 0.383 | 0.383 | 0.00 | 0.07% | 0.03% |
| 10 | 5 | 0.380 | 0.379 | 0.00 | -0.07% | 0.03% |
| 10 | 6 | 0.383 | 0.382 | 0.00 | -0.31% | 0.14% |
| 10 | 7 | 0.382 | 0.382 | 0.00 | -0.14% | 0.06% |
| 10 | 8 | 0.382 | 0.382 | 0.00 | -0.08% | 0.04% |
| 10 | 9 | 0.381 | 0.380 | 0.00 | -0.11% | 0.05% |
| 20 | 10 | 0.380 | 0.380 | 0.00 | -0.21% | 0.09% |
| 20 | 11 | 0.389 | 0.389 | 0.00 | 0.05% | 0.02% |
| 20 | 12 | 0.390 | 0.389 | 0.00 | -0.08% | 0.04% |
| 20 | 13 | 0.389 | 0.388 | 0.00 | -0.10% | 0.05% |
| 20 | 14 | 0.380 | 0.380 | 0.00 | -0.07% | 0.03% |
| 30 | 15 | 0.390 | 0.389 | 0.00 | -0.30% | 0.14% |
| 30 | 16 | 0.389 | 0.388 | 0.00 | -0.27% | 0.13% |
| 30 | 17 | 0.389 | 0.389 | 0.00 | -0.14% | 0.06% |
| 30 | 18 | 0.388 | 0.387 | 0.00 | -0.24% | 0.11% |
| 30 | 19 | 0.387 | 0.386 | 0.00 | -0.27% | 0.12% |
| 30 | 20 | 0.389 | 0.387 | 0.00 | -0.32% | 0.14% |
| 31 | 21 | 0.390 | 0.389 | 0.00 | -0.19% | 0.09% |
| 31 | 22 | 0.389 | 0.389 | 0.00 | -0.11% | 0.05% |
| 31 | 23 | 0.389 | 0.389 | 0.00 | -0.02% | 0.01% |
| 31 | 24 | 0.388 | 0.388 | 0.00 | -0.06% | 0.03% |
| 31 | 25 | 0.387 | 0.387 | 0.00 | 0.03% | 0.01% |
| 31 | 26 | 0.389 | 0.388 | 0.00 | -0.05% | 0.02% |
| 50 | 27 | 0.390 | 0.388 | 0.00 | -0.47% | 0.21% |
| 50 | 28 | 0.383 | 0.386 | 0.00 | 0.78% | 0.35% |
| 50 | 29 | 0.382 | 0.381 | 0.00 | -0.31% | 0.14% |
| 50 | 30 | 0.381 | 0.380 | 0.00 | -0.21% | 0.09% |
| 50 | 31 | 0.381 | 0.380 | 0.00 | -0.28% | 0.13% |
| Max | | 0.390 | 0.389 | 0.00 | 0.78% | 0.35% |
| Average | | 0.385 | 0.385 | 0.00 | -0.10% | 0.08% |
| Min | | 0.378 | 0.378 | 0.00 | -0.47% | 0.00% |
| Std Dev | | 0.004 | 0.004 | 0.00 | 0.22% | 0.07% |



VOL_24MA_5P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.75 |
| Min Limit | -0.1 |

| | 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 | 0.39 | 0.38 |
| Average | 0.38 | 0.38 | 0.39 | 0.39 | 0.39 | 0.39 |
| Max | 0.38 | 0.38 | 0.39 | 0.39 | 0.39 | 0.39 |
| UL | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |



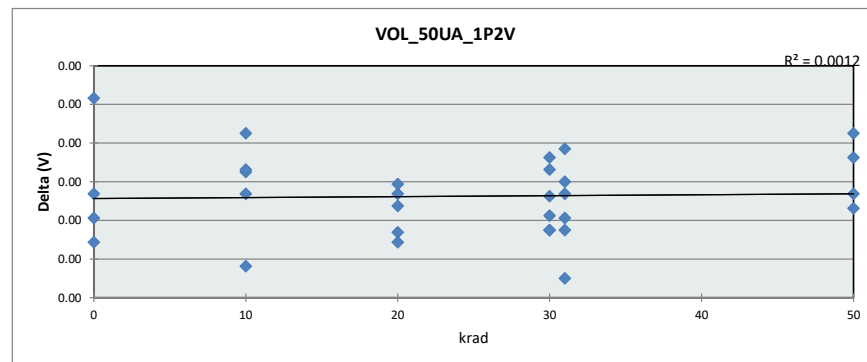
TID Report

SN54SC6T07-SEP

VOL_50UA_1P2V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.1 |
| Min Limit | -0.1 |

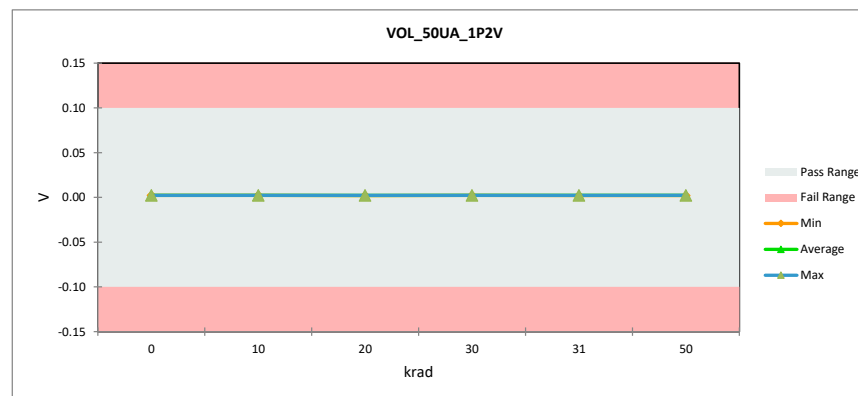
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.002 | 0.002 | 0.00 | -1.38% | 0.02% |
| 0 | 2 | 0.002 | 0.002 | 0.00 | 10.43% | 0.11% |
| 0 | 3 | 0.002 | 0.002 | 0.00 | -4.09% | 0.05% |
| 0 | 4 | 0.002 | 0.002 | 0.00 | -6.82% | 0.08% |
| 10 | 5 | 0.002 | 0.002 | 0.00 | -1.38% | 0.02% |
| 10 | 6 | 0.002 | 0.002 | 0.00 | 1.13% | 0.01% |
| 10 | 7 | 0.002 | 0.002 | 0.00 | 5.94% | 0.06% |
| 10 | 8 | 0.002 | 0.002 | 0.00 | 1.40% | 0.02% |
| 10 | 9 | 0.002 | 0.002 | 0.00 | -9.95% | 0.11% |
| 20 | 10 | 0.002 | 0.002 | 0.00 | -6.82% | 0.08% |
| 20 | 11 | 0.002 | 0.002 | 0.00 | -1.36% | 0.02% |
| 20 | 12 | 0.002 | 0.002 | 0.00 | -5.70% | 0.07% |
| 20 | 13 | 0.002 | 0.002 | 0.00 | -2.76% | 0.03% |
| 20 | 14 | 0.002 | 0.002 | 0.00 | -0.27% | 0.00% |
| 30 | 15 | 0.002 | 0.002 | 0.00 | -1.69% | 0.02% |
| 30 | 16 | 0.002 | 0.002 | 0.00 | -5.53% | 0.06% |
| 30 | 17 | 0.002 | 0.002 | 0.00 | 3.01% | 0.03% |
| 30 | 18 | 0.002 | 0.002 | 0.00 | -3.77% | 0.04% |
| 30 | 19 | 0.002 | 0.002 | 0.00 | -5.69% | 0.06% |
| 30 | 20 | 0.002 | 0.002 | 0.00 | 1.42% | 0.02% |
| 31 | 21 | 0.002 | 0.002 | 0.00 | 3.86% | 0.04% |
| 31 | 22 | 0.002 | 0.002 | 0.00 | -5.53% | 0.06% |
| 31 | 23 | 0.002 | 0.002 | 0.00 | 0.00% | 0.00% |
| 31 | 24 | 0.002 | 0.002 | 0.00 | -10.76% | 0.13% |
| 31 | 25 | 0.002 | 0.002 | 0.00 | -4.27% | 0.05% |
| 31 | 26 | 0.002 | 0.002 | 0.00 | -1.42% | 0.02% |
| 50 | 27 | 0.002 | 0.002 | 0.00 | 2.76% | 0.03% |
| 50 | 28 | 0.002 | 0.002 | 0.00 | -2.98% | 0.03% |
| 50 | 29 | 0.002 | 0.002 | 0.00 | -1.40% | 0.02% |
| 50 | 30 | 0.002 | 0.002 | 0.00 | 5.69% | 0.06% |
| 50 | 31 | 0.002 | 0.002 | 0.00 | -4.09% | 0.05% |
| Max | | 0.002 | 0.002 | 0.00 | 10.43% | 0.13% |
| Average | | 0.002 | 0.002 | 0.00 | -1.60% | 0.04% |
| Min | | 0.002 | 0.002 | 0.00 | -10.76% | 0.00% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 4.73% | 0.03% |



VOL_50UA_1P2V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.1 |
| Min Limit | -0.1 |

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



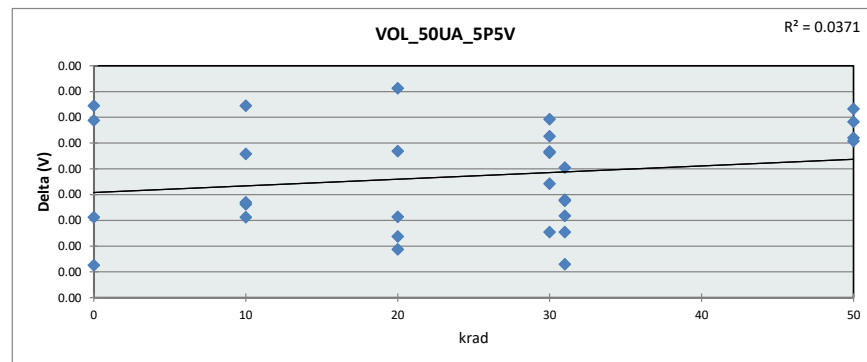
TID Report

SN54SC6T07-SEP

VOL_50UA_5P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.1 |
| Min Limit | -0.1 |

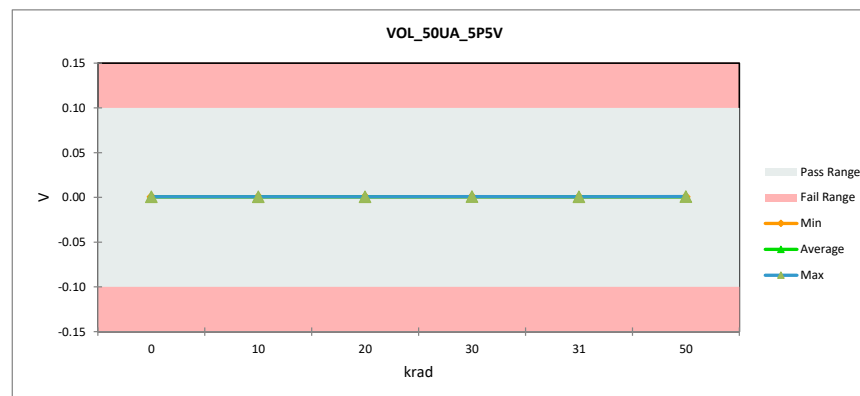
| krad | Serial # | PreTestHDR | PostTestHDR | Delta | Delta % | % of Limit Range |
|---------|----------|------------|-------------|-------|---------|------------------|
| 0 | 1 | 0.001 | 0.001 | 0.00 | -11.87% | 0.05% |
| 0 | 2 | 0.001 | 0.001 | 0.00 | 15.51% | 0.05% |
| 0 | 3 | 0.001 | 0.001 | 0.00 | 20.28% | 0.06% |
| 0 | 4 | 0.001 | 0.001 | 0.00 | -21.18% | 0.09% |
| 10 | 5 | 0.001 | 0.001 | 0.00 | -8.96% | 0.03% |
| 10 | 6 | 0.001 | 0.001 | 0.00 | 20.28% | 0.06% |
| 10 | 7 | 0.001 | 0.001 | 0.00 | -12.33% | 0.05% |
| 10 | 8 | 0.001 | 0.001 | 0.00 | 4.32% | 0.01% |
| 10 | 9 | 0.001 | 0.001 | 0.00 | -8.90% | 0.03% |
| 20 | 10 | 0.001 | 0.001 | 0.00 | 4.94% | 0.02% |
| 20 | 11 | 0.001 | 0.001 | 0.00 | -20.54% | 0.08% |
| 20 | 12 | 0.001 | 0.001 | 0.00 | 25.95% | 0.08% |
| 20 | 13 | 0.001 | 0.001 | 0.00 | -15.82% | 0.07% |
| 20 | 14 | 0.001 | 0.001 | 0.00 | -12.82% | 0.05% |
| 30 | 15 | 0.001 | 0.001 | 0.00 | -3.51% | 0.01% |
| 30 | 16 | 0.001 | 0.001 | 0.00 | -16.17% | 0.06% |
| 30 | 17 | 0.001 | 0.001 | 0.00 | 12.69% | 0.05% |
| 30 | 18 | 0.001 | 0.001 | 0.00 | 3.96% | 0.02% |
| 30 | 19 | 0.001 | 0.001 | 0.00 | 8.69% | 0.03% |
| 30 | 20 | 0.001 | 0.001 | 0.00 | 5.32% | 0.02% |
| 31 | 21 | 0.001 | 0.001 | 0.00 | -11.13% | 0.05% |
| 31 | 22 | 0.001 | 0.001 | 0.00 | -16.17% | 0.06% |
| 31 | 23 | 0.001 | 0.001 | 0.00 | -24.41% | 0.09% |
| 31 | 24 | 0.001 | 0.001 | 0.00 | -7.61% | 0.03% |
| 31 | 25 | 0.001 | 0.001 | 0.00 | -8.52% | 0.03% |
| 31 | 26 | 0.001 | 0.001 | 0.00 | 0.38% | 0.00% |
| 50 | 27 | 0.001 | 0.001 | 0.00 | 18.13% | 0.06% |
| 50 | 28 | 0.001 | 0.001 | 0.00 | 8.24% | 0.03% |
| 50 | 29 | 0.001 | 0.001 | 0.00 | 12.52% | 0.05% |
| 50 | 30 | 0.001 | 0.001 | 0.00 | 7.32% | 0.03% |
| 50 | 31 | 0.001 | 0.001 | 0.00 | 12.64% | 0.04% |
| Max | | 0.001 | 0.001 | 0.00 | 25.95% | 0.09% |
| Average | | 0.001 | 0.001 | 0.00 | -1.05% | 0.04% |
| Min | | 0.001 | 0.001 | 0.00 | -24.41% | 0.00% |
| Std Dev | | 0.000 | 0.000 | 0.00 | 14.09% | 0.02% |



VOL_50UA_5P5V

| | |
|-------------|----------|
| Test Site | SLAB |
| Tester | ETS88B |
| Test Number | EQ774300 |
| Units | V |
| Max Limit | 0.1 |
| Min Limit | -0.1 |

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



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