



ABSTRACT

This report discusses the radiation characterization results of the DRV8351-SEP. The study was done to determine total ionizing dose (TID) effects under high dose rate (HDR) up to 30krad(Si) as a one time characterization. The results show that all samples passed within the specified limits up to 30krad(Si). Radiation Lot Acceptance Testing (RLAT) are performed using five units at a dose level of 30krad(Si) for future wafer lots per MIL-STD-883 TM 1019.

The DRV8351-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 DRV8351-SEP Total Ionizing Dose (TID) Report covers the TID performance.

Table of Contents

1 Device Information	3
1.1 Device Details.....	3
2 Total Dose Test Setup	4
2.1 Test Overview.....	4
2.2 Test Description and Facilities.....	4
2.3 Test Setup Details.....	4
2.4 Test Configuration and Condition.....	5
3 TID Characterization Test Results	6
3.1 TID Characterization Summary Results.....	6
3.2 Specification Compliance Matrix.....	7
4 Reference Documents	8
5 Appendix: HDR TID Report Data	8
6 Appendix: ELDRS TID Report Data	26

List of Figures

Figure 2-1. DRV8351-SEP Biased Diagram.....	4
Figure 5-1. HDR_IDRIVE_HSX_SINK.....	8
Figure 5-2. HDR_IDRIVE_HSX_SOURCE.....	8
Figure 5-3. HDR_IDRIVE_LSX_SINK.....	9
Figure 5-4. HDR_IDRIVE_LSX_SOURCE.....	9
Figure 5-5. HDR_IGVDD_ACTIVE.....	10
Figure 5-6. HDR_IGVDD_STANDBY.....	10
Figure 5-7. HDR_IIH_INHX.....	11
Figure 5-8. HDR_IIL_INHX.....	11
Figure 5-9. HDR_IL_BSX.....	12
Figure 5-10. HDR_IL_BSX_ACT.....	12
Figure 5-11. HDR_IL_BSX_TRAN.....	13
Figure 5-12. HDR_IL_SHX_TRAN.....	13
Figure 5-13. HDR_RBSTD_DYN.....	14
Figure 5-14. HDR_RPD_INHX.....	14
Figure 5-15. HDR_TBST_UV_DG.....	15
Figure 5-16. HDR_TDEAD_GND_CHX.....	15
Figure 5-17. HDR_TFALL_GHX_GT8.....	16
Figure 5-18. HDR_TFALL_GLX_GT8.....	16
Figure 5-19. HDR_TGVDD_UV_DG.....	17
Figure 5-20. HDR_TPD_GHX_GT8.....	17

Figure 5-21. HDR_TPD_GLX_GT8.....	18
Figure 5-22. HDR_TPD_MATCH_GT8_HSX.....	18
Figure 5-23. HDR_TPD_MATCH_GT8_LSX.....	19
Figure 5-24. HDR_TPD_MATCH_PP_GT8_HS.....	19
Figure 5-25. HDR_TPD_MATCH_PP_GT8_LS.....	20
Figure 5-26. HDR_TRISE_GHX_GT8.....	20
Figure 5-27. HDR_TRISE_GLX_GT8.....	21
Figure 5-28. HDR_VBSTD_FW100MA.....	21
Figure 5-29. HDR_VBSTD_FW100UA.....	22
Figure 5-30. HDR_VGHX_HI.....	22
Figure 5-31. HDR_VGHX_LO.....	23
Figure 5-32. HDR_VGLX_HI.....	23
Figure 5-33. HDR_VGLX_LO.....	24
Figure 5-34. HDR_VGVDD_UV_RISE.....	24
Figure 5-35. HDR_VIL_INHX.....	25
Figure 6-1. ELDRS_IDRIVE_HSX_SINK.....	26
Figure 6-2. ELDRS_IDRIVE_HSX_SOURCE.....	26
Figure 6-3. ELDRS_IDRIVE_LSX_SINK.....	27
Figure 6-4. ELDRS_IDRIVE_LSX_SOURCE.....	27
Figure 6-5. ELDRS_IGVDD_ACTIVE.....	27
Figure 6-6. ELDRS_IGVDD_STANDBY.....	28
Figure 6-7. ELDRS_IIH_INHX.....	28
Figure 6-8. ELDRS_IIL_INHX.....	28
Figure 6-9. ELDRS_IL_BSX.....	29
Figure 6-10. ELDRS_IL_BSX_ACT.....	29
Figure 6-11. ELDRS_IL_BSX_TRAN.....	29
Figure 6-12. ELDRS_IL_SHX_TRAN.....	30
Figure 6-13. ELDRS_RBSTD_DYN.....	30
Figure 6-14. ELDRS_RPD_INHX.....	30
Figure 6-15. ELDRS_TBST_UV_DG.....	31
Figure 6-16. ELDRS_TDEAD_GND_CHX.....	31
Figure 6-17. ELDRS_TFALL_GHX_GT8.....	31
Figure 6-18. ELDRS_TFALL_GLX_GT8.....	32
Figure 6-19. ELDRS_TGVDD_UV_DG.....	32
Figure 6-20. ELDRS_TPD_GHX_GT8.....	32
Figure 6-21. ELDRS_TPD_GLX_GT8.....	33
Figure 6-22. ELDRS_TPD_MATCH_GT8_HSX.....	33
Figure 6-23. ELDRS_TPD_MATCH_GT8_LSX.....	33
Figure 6-24. ELDRS_TPD_MATCH_PP_GT8_HS.....	34
Figure 6-25. ELDRS_TPD_MATCH_PP_GT8_LS.....	34
Figure 6-26. ELDRS_TRISE_GHX_GT8.....	34
Figure 6-27. ELDRS_TRISE_GLX_GT8.....	35
Figure 6-28. ELDRS_VBSTD_FW100MA.....	35
Figure 6-29. ELDRS_VBSTD_FW100UA.....	35
Figure 6-30. ELDRS_VGHX_HI.....	36
Figure 6-31. ELDRS_VGHX_LO.....	36
Figure 6-32. ELDRS_VGLX_HI.....	36
Figure 6-33. ELDRS_VGLX_LO.....	37
Figure 6-34. ELDRS_VGVDD_UV_RISE.....	37
Figure 6-35. ELDRS_VIL_INHX.....	37

List of Tables

Table 1-1. Device and Exposure Details.....	3
Table 2-1. HDR Device Information.....	5
Table 3-1. Electrical Parameters Table.....	7

Trademarks

All trademarks are the property of their respective owners.

1 Device Information

The DRV8351-SEP is a radiation-hardness-assured (RHA) 40V three half-bridge gate drivers, capable of driving high-side and low-side N-channel power MOSFETs. The DRV8351-SEP generates the correct gate drive voltages using an integrated bootstrap diode and external capacitor for the highside MOSFETs. GVDD is used to generate gate drive voltage for the low-side MOSFETs. The Gate Drive architecture supports peak up to 750mA source and 1.5A sink currents. The driver features:

- Absolute Maximum Voltage ratings
 - PVDD = 42.5V
 - GVDD = 15V
- Approximately 125ns propagation delay
- Approximately 4.0ns high-side and low-side matching
- 3x PWM Mode
 - 3x PWM allows for outputs to be controlled by dedicated input
 - PWM allows for two complementary outputs signals to be generated from single input

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	DRV8351-SEP
Package	20-pin PW (TSSOP)
Technology	LBC9
Die Lot Number	3305394 (DMOS6)
A/T Lot Number and Date Code	4076947, 2405 (MLA)
Quantity Tested	25 irradiated devices + five 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), 40krad(Si), 50krad(Si)
HDR Dose Rate	177.47 -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

The DRV8351-SEP was set up with PVDD and GVDD powered up to 15V and 40V respectively. The inputs (INLx and INHx) were all tied together. DRV8351-SEP has a 3x PWM mode such that given a high side input, the low side automatically inverts the signals such that a motor can be driven with 3 signals versus the 6 required from a non inverting device. The switching frequency $F_s = 100\text{kHz}$, switching from 0V to 5V.

2.1 Test Overview

The DRV8351-SEP samples were irradiated at a high dose rate of 177.47rad(Si) / s up to 30krad(Si) and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). The samples were functional and passed all electrical parametric tests with readings within data sheet electrical specification limits.

2.2 Test Description and Facilities

The DRV8351-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 $177.47\text{rads(Si) / s}$. 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. All 3 phases had MOSFETS on both high/low side.

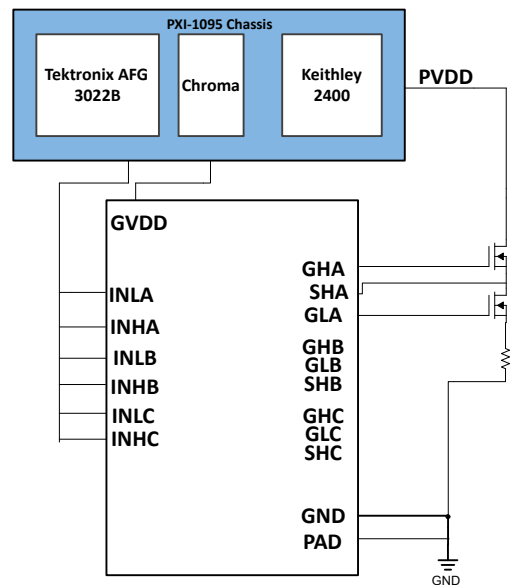


Figure 2-1. DRV8351-SEP Biased Diagram

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.

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

Table 2-1. HDR Device Information

Control Group	HDR = Dose Rate = 177.47rad(Si)/s			
Total Samples: 5	Total Samples: 25			
	Exposure Levels			
10krad (Si)	20krad(Si)	30krad(Si)	40krad(Si)	50krad (Si)
Biased	Biased	Biased	Biased	Biased
1 - 5	6 - 10	11 - 15	21 - 25	26 - 30

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the DRV8351-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 DRV8351-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		
IGVDD	GVDD standby mode current	INHx = INLx = 0; VBSTx = VGVDD	400	800	1500	µA	IGVDD_STANDBY
IGVDD	GVDD active mode current	INHx = INLx = Switching at 20kHz; VBSTx = VGVDD; NO FETs connected	400	825	1500	µA	IGVDD_ACTIVE
ILBSx	Bootstrap pin leakage current	VBSTx = VSHx = 85V; VGVDD = 0V	2	7	13	µA	IL_BSx
ILBS_TRAN	Bootstrap pin active mode transient leakage current	INHx = Switching at 20kHz	30	105	220	µA	IL_BSx_TRAN
ILBS_DC	Bootstrap pin active mode leakage static current	INHx = High	30	85	150	µA	IL_BSx_ACT
ILSHx	High-side source pin leakage current	INHx = INLx = 0; VBSTx - VSHx = 12V; VSHx = 0 to 85V	30	55	90	µA	IL_SHx_TRAN
VIL	Input logic low voltage	INLx, INHx pins			0.8	V	VIL_INHx
IIL	INHx, MODE Input logic low current	VPIN (Pin Voltage) = 0V	-1	0	1	µA	IIL_INHx
IIH	INHx, MODE Input logic high current	VPIN (Pin Voltage) = 5V;	5	20	30	µA	IIH_INHx
RPD_INHx	INHx Input pulldown resistance	To GND	120	200	280	kΩ	RPD_INHx
VGHx_LO	High-side gate drive low level voltage	IGLx = -100mA; VGVDD = 12V; No FETs connected	0	0.15	0.35	V	VGHx_LO
VGHx_HI	High-side gate drive high level voltage (VBSTx - VGHx)	IGHx = 100mA; VGVDD = 12V; No FETs connected	0.3	0.6	1.2	V	VGHx_HI
VGLx_LO	Low-side gate drive low level voltage	IGLx = -100mA; VGVDD = 12V; No FETs connected	0	0.15	0.35	V	VGLx_LO
VGLx_HI	Low-side gate drive high level voltage (VGVDD - VGHx)	IGHx = 100mA; VGVDD = 12V; No FETs connected	0.3	0.6	1.2	V	VGLx_HI
IDRIVEP_HS	High-side peak source gate current	GHx-SHx = 12V	400	750	1200	mA	IDRIVE_HSx_SOURCE
IDRIVEN_HS	High-side peak sink gate current	GHx-SHx = 0V	850	1500	2100	mA	IDRIVE_HSx_SINK
IDRIVEP_LS	Low-side peak source gate current	GLx = 12V	400	750	1200	mA	IDRIVE_LSx_SOURCE
IDRIVEN_LS	Low-side peak sink gate current	GLx = 0V	850	1500	2100	mA	IDRIVE_LSx_SINK
tPD	Input to output propagation delay	INHx, INLx to GHx, GLx; VGVDD = VBSTx - VSHx > 8V; SHx = 0V, No load on GHx and GLx	70	125	180	ns	TPD_GLx_GT8 TPD_GHx_GT8
tPD_match	Matching propagation delay per phase	GHx turning OFF to GLx turning ON, GLx turning OFF to GHx turning ON; VGVDD = VBSTx - VSHx > 8V; SHx = 0V, No load on GHx and GLx	-30	±4	30	ns	TPD_MATCH_GT8_LSx TPD_MATCH_GT8_HSx
tPD_match	Matching propagation delay phase to phase	GHx/GLx turning ON to GHy/GLy turning ON, GHx/GLx turning OFF to GHy/GLy turning OFF; VGVDD = VBSTx - VSHx > 8V; SHx = 0V, No load on GHx and GLx	-30	±4	30	ns	TPD_MATCH_PP_GT8_LS TPD_MATCH_PP_GT8_HS
tR_GLx	GLx rise time (10% to 90%)	CLOAD = 1000 pF; VGVDD = VBSTx - VSHx > 8V; SHx = 0V	10	24	50	ns	TRISE_GLx_GT8
tR_GHx	GHx rise time (10% to 90%)	CLOAD = 1000pF; VGVDD = VBSTx - VSHx > 8V; SHx = 0V	10	24	50	ns	TRISE_GHx_GT8
tF_GLx	GLx fall time (90% to 10%)	CLOAD = 1000pF; VGVDD = VBSTx - VSHx > 8V; SHx = 0V	5	12	30	ns	TFALL_GLx_GT8
tF_GHx	GHx fall time (90% to 10%)	CLOAD = 1000pF; VGVDD = VBSTx - VSHx > 8V; SHx = 0V	5	12	30	ns	TFALL_GHx_GT8
tDEAD	Gate drive dead time	DT pin connected to GND	150	215	280	ns	TDEAD_GND_CHx
VBOOTD	Bootstrap diode forward voltage	IBOOT = 100µA	0.45	0.7	0.85	V	VBSTD_FW100UA
VBOOTD	Bootstrap diode forward voltage	IBOOT = 100mA	2	2.3	3.1	V	VBSTD_FW100MA
VGVDDUV	Gate Driver Supply undervoltage lockout (GVDDUV)	Supply rising	4.45	4.6	4.7	V	VGVDD_UV_RISE
tGVDDUV	Gate Driver Supply undervoltage deglitch time		5	10	13	µs	TGVDD_UV_DG
tBSTUV	Bootstrap undervoltage deglitch time		6	10	22	µs	TBST_UV_DG
RBOOTD	Bootstrap dynamic resistance (ΔVBOOTD/ΔIBOOT)	IBOOT = 100mA and 80mA	11	15	25	Ω	RBSTD_DYN

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 DRV8351-SEP TID HDR report. The report shows the variation for each parameter up to 30krad(Si).

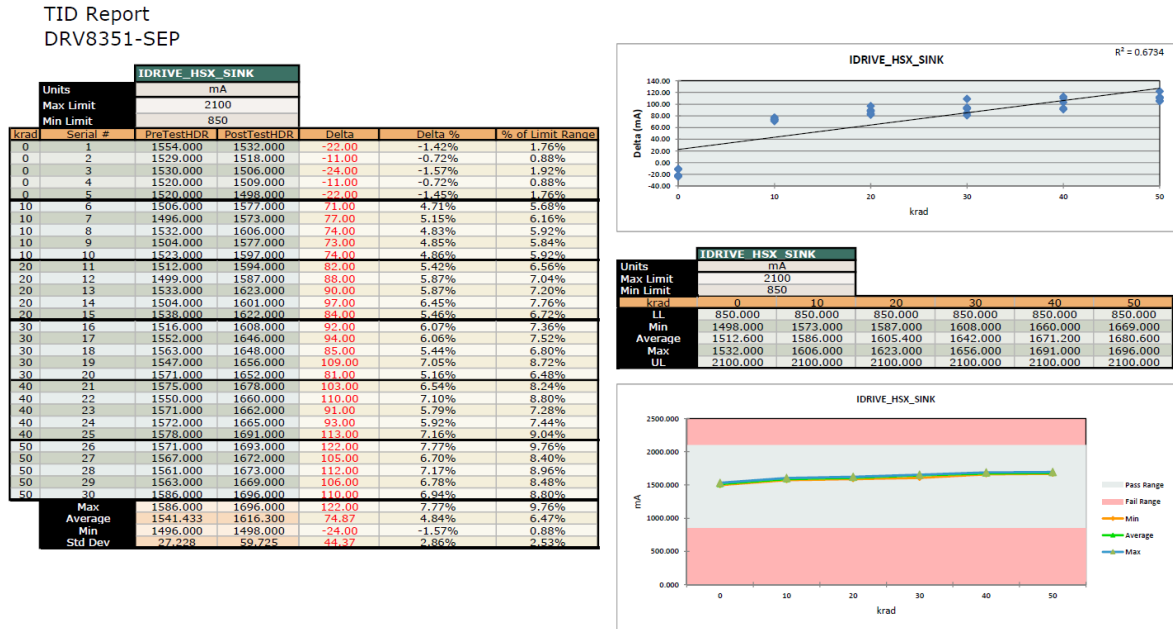


Figure 5-1. HDR_IDRIVE_HSX_SINK

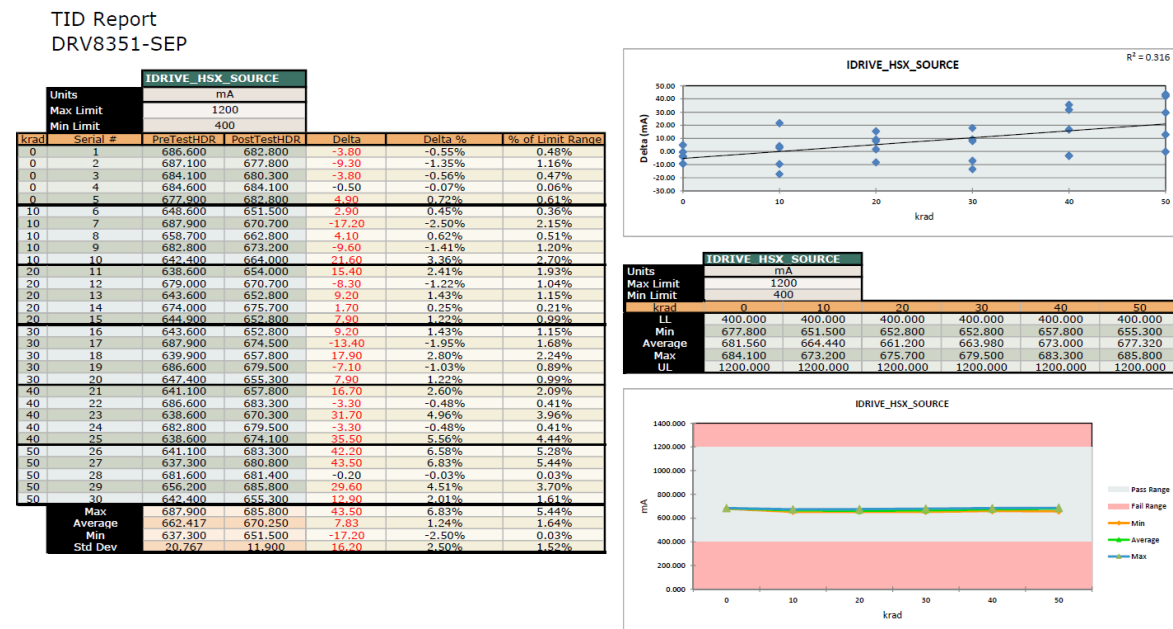
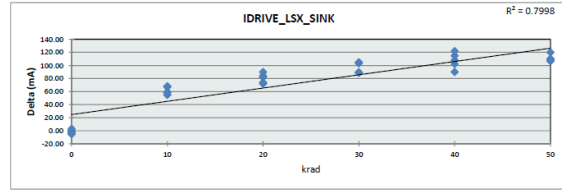


Figure 5-2. HDR_IDRIVE_HSX_SOURCE

TID Report
DRV8351-SEP

		IDRIVE_LSX_SINK				
Units		mA				
Max Limit		2100				
Min Limit		850				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1500.000	1498.000	-2.00	-0.13%	0.16%
0	2	1491.000	1491.000	0.00	0.00%	0.00%
0	3	1482.000	1485.000	3.00	0.20%	0.24%
0	4	1482.000	1478.000	-4.00	-0.27%	0.32%
0	5	1484.000	1479.000	-5.00	-0.34%	0.40%
10	6	1483.000	1538.000	55.00	3.71%	4.40%
10	7	1474.000	1541.000	67.00	4.55%	5.36%
10	8	1498.000	1557.000	59.00	3.94%	4.72%
10	9	1480.000	1548.000	68.00	4.59%	5.44%
10	10	1494.000	1553.000	59.00	3.95%	4.72%
20	11	1485.000	1557.000	72.00	4.85%	5.76%
20	12	1481.000	1563.000	82.00	5.54%	6.56%
20	13	1498.000	1582.000	84.00	5.61%	6.72%
20	14	1480.000	1570.000	90.00	6.08%	7.20%
20	15	1499.000	1573.000	74.00	4.94%	5.92%
30	16	1489.000	1578.000	89.00	5.98%	7.12%
30	17	1501.000	1604.000	103.00	6.86%	8.24%
30	18	1519.000	1608.000	89.00	5.86%	7.12%
30	19	1530.000	1635.000	105.00	6.86%	8.40%
30	20	1524.000	1613.000	89.00	5.84%	7.12%
40	21	1527.000	1642.000	115.00	7.53%	9.20%
40	22	1518.000	1640.000	122.00	8.04%	9.76%
40	23	1532.000	1627.000	95.00	6.20%	7.52%
40	24	1534.000	1636.000	102.00	6.65%	8.16%
40	25	1533.000	1641.000	108.00	7.05%	8.64%
50	26	1521.000	1641.000	120.00	7.89%	9.60%
50	27	1529.000	1636.000	107.00	7.00%	8.56%
50	28	1525.000	1633.000	108.00	7.08%	8.64%
50	29	1514.000	1621.000	107.00	7.07%	8.56%
50	30	1536.000	1646.000	110.00	7.16%	8.60%
	Max	1536.000	1646.000	122.00	8.04%	9.76%
	Average	1504.767	1580.300	75.53	5.00%	6.10%
	Min	1474.000	1478.000	-5.00	-0.34%	0.00%
	Std Dev	20.661	55.104	30.51	2.59%	3.04%



		IDRIVE_LSX_SINK					
Units		mA					
Max Limit		2100					
Min Limit		850					
krad	LL	Min	Average	Max	UL	LL	UL
0	850.000	850.000	850.000	850.000	850.000	850.000	850.000
10	850.000	1478.000	1538.000	1557.000	1578.000	1622.000	1621.000
20	850.000	1486.200	1547.400	1569.000	1607.600	1636.200	1635.400
30	850.000	1498.000	1557.000	1582.000	1635.000	1642.000	1646.000
40	850.000	1500.000	1557.000	1582.000	1635.000	1642.000	1646.000
50	850.000	1500.000	1557.000	1582.000	1635.000	1642.000	1646.000

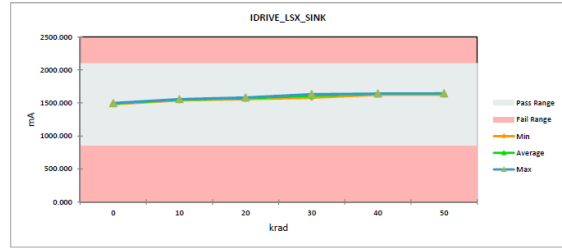
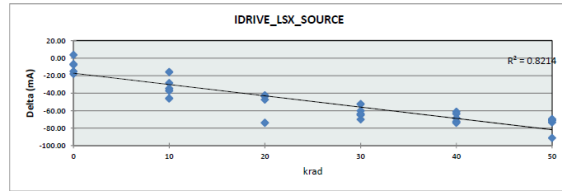


Figure 5-3. HDR_IDRIVE_LSX_SINK

TID Report
DRV8351-SEP

		IDRIVE_LSX_SOURCE				
Units		mA				
Max Limit		1200				
Min Limit		400				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	699.200	684.100	-15.10	-2.16%	1.89%
0	2	707.200	689.100	-18.10	-2.56%	2.56%
0	3	695.400	687.800	-7.60	-1.09%	0.95%
0	4	698.400	691.600	-6.80	-0.97%	0.85%
0	5	690.400	684.100	-6.30	-0.91%	0.84%
10	6	698.800	664.000	-34.80	-4.98%	4.35%
10	7	691.600	675.700	-15.90	-2.30%	1.99%
10	8	690.000	661.500	-28.50	-4.13%	3.56%
10	9	702.900	656.900	-46.00	-6.54%	5.75%
10	10	702.600	665.300	-37.30	-5.31%	4.66%
20	11	683.800	640.200	-43.60	-6.38%	5.45%
20	12	714.300	640.500	-73.80	-10.33%	9.23%
20	13	688.800	645.200	-43.60	-6.33%	5.45%
20	14	685.300	638.000	-47.30	-6.90%	5.91%
20	15	691.300	649.000	-42.30	-6.12%	5.29%
30	16	686.300	633.900	-52.40	-7.64%	6.55%
30	17	694.100	624.100	-70.00	-10.09%	8.75%
30	18	690.000	625.100	-64.90	-9.41%	8.11%
30	19	690.400	630.400	-60.00	-8.69%	7.50%
30	20	691.300	627.600	-63.70	-9.21%	7.96%
40	21	681.300	620.100	-61.20	-8.98%	7.65%
40	22	686.600	614.100	-72.50	-10.56%	9.06%
40	23	688.800	625.100	-63.70	-9.25%	7.96%
40	24	686.600	612.800	-73.80	-10.75%	9.23%
40	25	687.500	618.900	-68.60	-9.98%	8.58%
50	26	686.300	615.300	-71.00	-10.35%	8.88%
50	27	685.000	611.600	-73.40	-10.72%	9.18%
50	28	681.600	610.200	-71.40	-10.48%	8.93%
50	29	687.500	617.900	-69.60	-10.12%	8.70%
50	30	702.600	611.300	-91.30	-12.99%	11.41%
	Max	714.300	694.100	-3.70	0.54%	11.41%
	Average	692.197	642.713	-49.48	-7.16%	6.22%
	Min	681.300	610.200	-91.30	-12.99%	0.46%
	Std Dev	7.395	27.673	24.71	3.58%	3.02%



		IDRIVE_LSX_SOURCE					
Units		mA					
Max Limit		1200					
Min Limit		400					
krad	LL	Min	Average	Max	UL	LL	UL
0	400.000	400.000	400.000	400.000	400.000	400.000	400.000
10	400.000	684.100	656.900	638.000	624.100	612.800	610.200
20	400.000	689.340	654.680	642.500	628.220	618.200	613.260
30	400.000	694.100	675.700	649.000	633.900	625.100	617.900
40	400.000	694.100	675.700	649.000	633.900	625.100	617.900
50	400.000	694.100	675.700	649.000	633.900	625.100	617.900

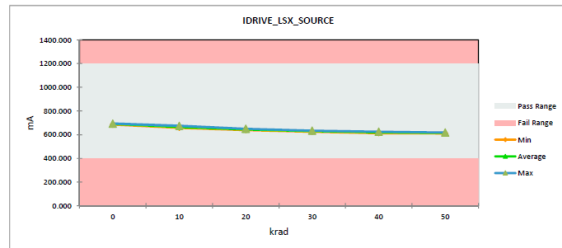
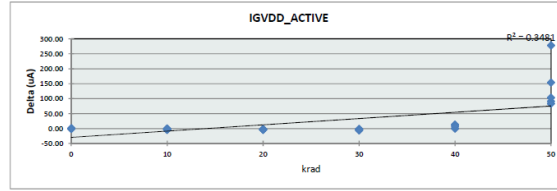


Figure 5-4. HDR_IDRIVE_LSX_SOURCE

TID Report
DRV8351-SEP

		IGVDD_ACTIVE				
Units		uA				
Max Limit		1500				
Min Limit		400				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1090.000	1090.000	0.00	0.00%	0.00%
0	2	1069.000	1069.000	0.00	0.00%	0.00%
0	3	1093.000	1093.000	0.00	0.00%	0.00%
0	4	1079.000	1078.000	-1.00	-0.09%	0.09%
0	5	1082.000	1082.000	0.00	0.00%	0.00%
10	6	1091.000	1087.000	-4.00	-0.37%	0.36%
10	7	1080.000	1077.000	-3.00	-0.28%	0.27%
10	8	1089.000	1085.000	-4.00	-0.37%	0.36%
10	9	1086.000	1086.000	0.00	0.00%	0.00%
10	10	1080.000	1079.000	-1.00	-0.09%	0.09%
20	11	1086.000	1082.000	-4.00	-0.37%	0.36%
20	12	1097.000	1096.000	-1.00	-0.09%	0.09%
20	13	1088.000	1084.000	-4.00	-0.37%	0.36%
20	14	1091.000	1088.000	-3.00	-0.27%	0.27%
20	15	1083.000	1079.000	-4.00	-0.37%	0.36%
30	16	1088.000	1084.000	-4.00	-0.37%	0.36%
30	17	1029.000	1023.000	-6.00	-0.58%	0.55%
30	18	1057.000	1056.000	-1.00	-0.09%	0.09%
30	19	1053.000	1050.000	-3.00	-0.28%	0.27%
30	20	1073.000	1068.000	-5.00	-0.47%	0.45%
40	21	1073.000	1105.000	13.00	1.19%	1.18%
40	22	1083.000	1095.000	12.00	1.11%	1.09%
40	23	1068.000	1068.000	0.00	0.00%	0.00%
40	24	1059.000	1060.000	1.00	0.09%	0.09%
40	25	1090.000	1097.000	7.00	0.64%	0.64%
50	26	1103.000	1381.000	278.00	25.20%	25.27%
50	27	1094.000	1185.000	91.00	8.32%	8.27%
50	28	1090.000	1193.000	103.00	9.45%	9.36%
50	29	1104.000	1187.000	83.00	7.52%	7.45%
50	30	1069.000	1223.000	154.00	14.41%	14.00%
Max		1104.000	1381.000	278.00	25.20%	25.27%
Average		1081.200	1104.333	23.13	2.12%	2.39%
Min		1029.000	1023.000	-6.00	-0.58%	0.55%
Std Dev		16.018	68.470	61.94	5.66%	5.51%



		IGVDD_ACTIVE					
Units		uA					
Max Limit		1500					
Min Limit		400					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range	
LL	0	400.000	400.000	400.000	400.000	400.000	400.000
Min	0	1069.000	1077.000	1079.000	1023.000	1060.000	1185.000
Average	0	1082.400	1082.800	1085.800	1056.200	1085.000	1233.800
Max	0	1093.000	1087.000	1096.000	1084.000	1105.000	1381.000
UL	0	1500.000	1500.000	1500.000	1500.000	1500.000	1500.000

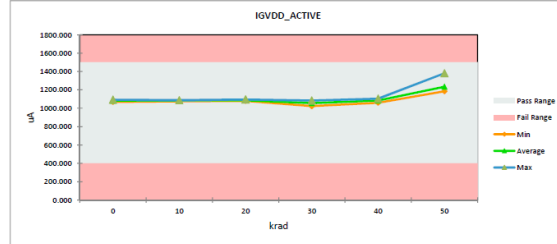
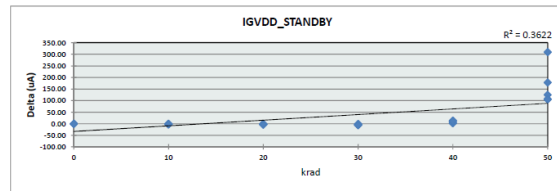


Figure 5-5. HDR_IGVDD_ACTIVE

TID Report
DRV8351-SEP

		IGVDD_STANDBY				
Units		uA				
Max Limit		1500				
Min Limit		400				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	1136.000	1136.000	0.00	0.00%	0.00%
0	2	1113.000	1113.000	0.00	0.00%	0.00%
0	3	1135.000	1134.000	-1.00	-0.09%	0.09%
0	4	1119.000	1118.000	-1.00	-0.09%	0.09%
0	5	1126.000	1126.000	0.00	0.00%	0.00%
10	6	1127.000	1124.000	-3.00	-0.27%	0.27%
10	7	1123.000	1121.000	-2.00	-0.18%	0.18%
10	8	1135.000	1134.000	-1.00	-0.09%	0.09%
10	9	1127.000	1127.000	0.00	0.00%	0.00%
10	10	1121.000	1120.000	-1.00	-0.09%	0.09%
20	11	1127.000	1123.000	-4.00	-0.35%	0.36%
20	12	1143.000	1142.000	-1.00	-0.09%	0.09%
20	13	1131.000	1128.000	-3.00	-0.27%	0.27%
20	14	1132.000	1131.000	-1.00	-0.09%	0.09%
20	15	1131.000	1128.000	-3.00	-0.27%	0.27%
30	16	1132.000	1128.000	-4.00	-0.35%	0.36%
30	17	1082.000	1075.000	-7.00	-0.65%	0.64%
30	18	1097.000	1096.000	-1.00	-0.09%	0.09%
30	19	1097.000	1094.000	-3.00	-0.27%	0.27%
30	20	1116.000	1111.000	-5.00	-0.45%	0.45%
40	21	1139.000	1152.000	13.00	1.14%	1.18%
40	22	1128.000	1139.000	11.00	0.98%	1.00%
40	23	1110.000	1112.000	2.00	0.18%	0.18%
40	24	1101.000	1104.000	3.00	0.27%	0.27%
40	25	1129.000	1139.000	10.00	0.89%	0.91%
50	26	1156.000	1465.000	309.00	26.73%	28.09%
50	27	1140.000	1247.000	107.00	9.39%	9.73%
50	28	1135.000	1260.000	125.00	11.01%	11.36%
50	29	1145.000	1250.000	105.00	9.17%	9.55%
50	30	1116.000	1294.000	178.00	15.95%	16.18%
Max		1156.000	1465.000	309.00	26.73%	28.09%
Average		1125.000	1152.367	27.37	2.40%	2.74%
Min		1082.000	1075.000	-7.00	-0.65%	0.64%
Std Dev		15.905	78.243	70.31	6.14%	6.28%



		IGVDD_STANDBY					
Units		uA					
Max Limit		1500					
Min Limit		400					
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range	
LL	0	400.000	400.000	400.000	400.000	400.000	400.000
Min	0	1113.000	1120.000	1123.000	1075.000	1104.000	1247.000
Average	0	1125.400	1125.200	1130.400	1100.800	1129.200	1303.200
Max	0	1136.000	1134.000	1142.000	1128.000	1152.000	1465.000
UL	0	1500.000	1500.000	1500.000	1500.000	1500.000	1500.000

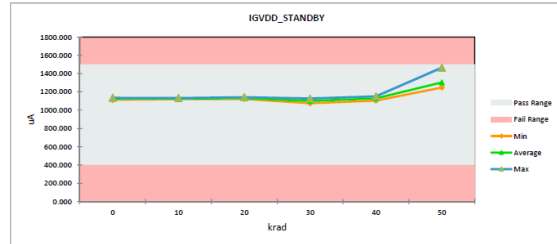
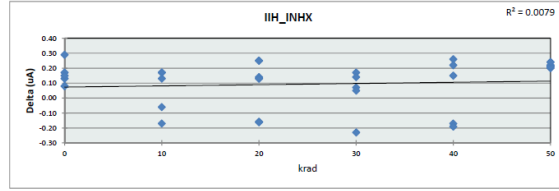


Figure 5-6. HDR_IGVDD_STANDBY

TID Report
DRV8351-SEP

		I1H_INHX				
Units		uA				
Max Limit		30				
Min Limit		5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	20.620	20.910	0.29	1.41%	1.16%
0	2	20.450	20.580	0.13	0.64%	0.52%
0	3	20.800	20.970	0.17	0.82%	0.68%
0	4	20.800	20.950	0.15	0.72%	0.60%
0	5	20.770	20.850	0.08	0.39%	0.33%
10	6	21.000	21.130	0.13	0.62%	0.52%
10	7	21.130	20.960	-0.17	-0.80%	0.68%
10	8	20.660	20.830	0.17	0.82%	0.68%
10	9	21.070	21.010	-0.06	-0.28%	0.24%
10	10	20.810	20.980	0.17	0.82%	0.68%
20	11	20.470	20.610	0.14	0.68%	0.56%
20	12	21.010	20.850	-0.16	-0.76%	0.64%
20	13	20.560	20.690	0.13	0.63%	0.52%
20	14	21.010	20.850	-0.16	-0.76%	0.64%
20	15	20.380	20.630	0.25	1.23%	1.00%
30	16	20.780	20.950	0.17	0.82%	0.68%
30	17	18.860	18.930	0.07	0.37%	0.28%
30	18	19.720	19.770	0.05	0.25%	0.20%
30	19	19.810	19.580	-0.23	-1.16%	0.92%
30	20	19.880	20.020	0.14	0.70%	0.56%
40	21	20.250	20.400	0.15	0.74%	0.60%
40	22	21.060	20.890	-0.17	-0.81%	0.68%
40	23	20.070	20.330	0.26	1.30%	1.04%
40	24	20.460	20.270	-0.19	-0.93%	0.76%
40	25	20.240	20.560	0.32	1.58%	1.28%
50	26	20.490	20.690	0.20	0.98%	0.80%
50	27	20.650	20.870	0.22	1.07%	0.88%
50	28	20.590	20.800	0.21	1.02%	0.84%
50	29	20.650	20.860	0.21	1.02%	0.84%
50	30	20.300	20.540	0.24	1.18%	0.96%
Max		21.130	21.130	0.29	1.41%	1.16%
Average		20.515	20.609	0.09	0.46%	0.68%
Min		18.860	18.930	-0.23	-1.16%	0.20%
Std Dev		0.485	0.484	0.16	0.76%	0.33%



		I1H_INHX				
Units		uA				
Max Limit		30				
Min Limit		5				
krad	LL	Min	Average	Max	UL	
0	5.000	20.580	20.852	20.970	30.000	5,000
10	5.000	20.830	20.982	21.130	30.000	5,000
20	5.000	20.610	20.726	20.850	30.000	5,000
30	5.000	18.930	19.950	20.950	30.000	5,000
40	5.000	20.270	20.490	20.890	30.000	5,000
50	5.000	20.540	20.752	20.870	30.000	5,000

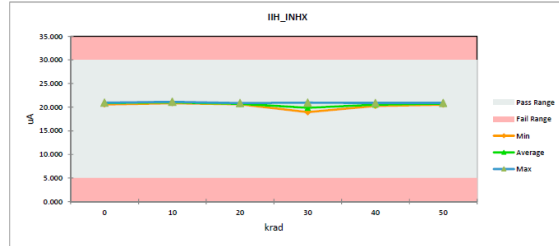
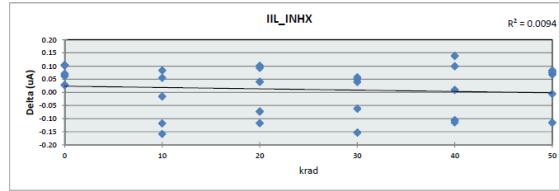


Figure 5-7. HDR_I1H_INHX

TID Report
DRV8351-SEP

		I1L_INHX				
Units		uA				
Max Limit		1				
Min Limit		-1				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.120	0.223	0.10	86.63%	5.19%
0	2	0.104	0.166	0.06	60.23%	3.12%
0	3	0.141	0.169	0.03	19.80%	1.40%
0	4	0.120	0.191	0.07	58.72%	3.54%
0	5	0.140	0.242	0.10	73.62%	5.14%
10	6	0.059	0.142	0.08	140.49%	4.16%
10	7	0.248	0.130	-0.12	-47.70%	5.91%
10	8	0.078	0.133	0.06	70.97%	2.76%
10	9	0.307	0.149	-0.16	-51.43%	7.90%
10	10	0.099	0.084	-0.02	-15.55%	0.77%
20	11	0.068	0.109	0.04	59.35%	2.03%
20	12	0.226	0.109	-0.12	-51.82%	5.95%
20	13	0.042	0.143	0.10	240.94%	5.07%
20	14	0.214	0.142	-0.07	-33.91%	3.63%
20	15	0.086	0.180	0.09	104.12%	4.68%
30	16	0.061	0.101	0.04	64.51%	1.98%
30	17	0.184	0.122	-0.06	-33.75%	3.10%
30	18	0.071	0.121	0.05	70.08%	2.50%
30	19	0.268	0.115	-0.15	-57.15%	7.67%
30	20	0.049	0.106	0.06	117.20%	2.86%
40	21	0.057	0.066	0.01	16.54%	0.47%
40	22	0.239	0.133	-0.11	-44.35%	5.30%
40	23	0.088	0.188	0.10	112.94%	4.98%
40	24	0.228	0.114	-0.11	-50.04%	5.72%
40	25	0.007	0.146	0.14	2106.06%	6.95%
50	26	0.077	0.145	0.07	89.07%	3.42%
50	27	0.062	0.137	0.08	121.47%	3.77%
50	28	0.245	0.130	-0.12	-47.04%	5.76%
50	29	0.113	0.107	-0.01	-4.96%	0.28%
50	30	0.086	0.169	0.08	95.76%	4.14%
Max		0.307	0.242	0.14	2106.06%	7.90%
Average		0.130	0.140	0.01	109.16%	4.00%
Min		0.007	0.066	-0.16	-57.15%	0.28%
Std Dev		0.081	0.039	0.02	384.36%	2.00%



		I1L_INHX				
Units		uA				
Max Limit		1				
Min Limit		-1				
krad	LL	Min	Average	Max	UL	
0	-1.000	0.166	0.084	0.109	1.000	-1,000
10	-1.000	0.084	0.109	0.101	1.000	-1,000
20	-1.000	0.137	0.113	0.129	1.000	-1,000
30	-1.000	0.113	0.129	0.118	1.000	-1,000
40	-1.000	0.122	0.107	0.188	1.000	-1,000
50	-1.000	0.169	0.140	0.169	1.000	-1,000

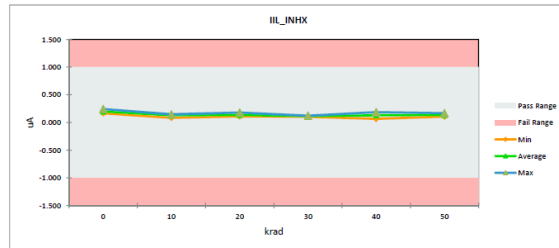
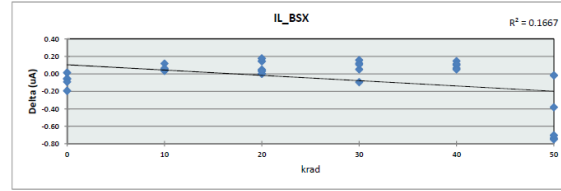


Figure 5-8. HDR_I1L_INHX

TID Report
DRV8351-SEP

		IL_BSXX				
Units		uA				
Max Limit		13				
Min Limit		2				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	4.707	4.649	-0.06	-1.33%	0.53%
0	2	4.582	4.527	-0.06	-1.20%	0.50%
0	3	4.771	4.576	-0.20	-4.09%	1.77%
0	4	4.743	4.757	0.01	0.30%	0.13%
0	5	4.839	4.747	-0.09	-1.90%	0.84%
10	6	4.818	4.852	0.03	0.71%	0.31%
10	7	4.684	4.728	0.04	0.94%	0.40%
10	8	4.821	4.940	0.12	2.47%	1.08%
10	9	4.747	4.804	0.06	1.20%	0.52%
10	10	4.750	4.815	0.06	1.37%	0.59%
20	11	4.779	4.780	0.00	0.02%	0.01%
20	12	4.791	4.839	0.05	1.00%	0.44%
20	13	4.704	4.849	0.14	3.08%	1.32%
20	14	4.857	4.889	0.03	0.66%	0.29%
20	15	4.662	4.839	0.18	3.80%	1.61%
30	16	4.942	5.062	0.12	2.43%	1.09%
30	17	3.050	3.207	0.16	5.15%	1.43%
30	18	4.117	4.168	0.05	1.24%	0.46%
30	19	3.569	3.676	0.11	3.00%	0.97%
30	20	4.597	4.502	-0.09	-2.07%	0.86%
40	21	4.631	4.732	0.10	2.18%	0.92%
40	22	4.491	4.557	0.07	1.47%	0.60%
40	23	4.463	4.609	0.15	3.27%	1.33%
40	24	4.434	4.547	0.11	2.55%	1.03%
40	25	4.555	4.608	0.05	1.14%	0.47%
50	26	4.621	4.604	-0.02	-0.37%	0.15%
50	27	4.668	3.918	-0.75	-16.07%	6.82%
50	28	4.684	3.949	-0.74	-15.69%	6.68%
50	29	4.662	3.959	-0.70	-15.00%	6.39%
50	30	4.732	4.351	-0.38	-8.05%	3.46%
Max		4.942	5.062	0.18	5.15%	6.82%
Average		4.582	4.535	-0.05	-0.93%	1.43%
Min		3.050	3.207	-0.75	-16.07%	6.82%
Std Dev		0.386	0.419	0.26	5.58%	1.88%



		IL_BSXX							
Units		uA							
Max Limit		13							
Min Limit		2							
krad	krad	0	10	20	30	40	50	krad	krad
LL		2.000	2.000	2.000	2.000	2.000	2.000		
Min		4.527	4.728	4.780	3.207	4.547	3.918		
Average		4.651	4.828	4.839	4.123	4.611	4.156		
Max		4.757	4.940	4.889	5.062	4.732	4.604		
UL		13.000	13.000	13.000	13.000	13.000	13.000		

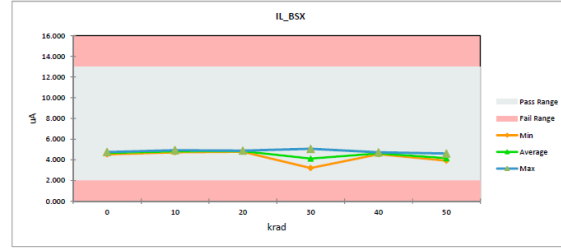
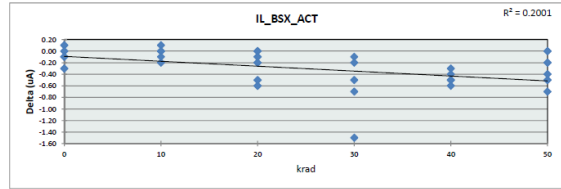


Figure 5-9. HDR_IL_BSXX

TID Report
DRV8351-SEP

		IL_BSXX_ACT				
Units		uA				
Max Limit		150				
Min Limit		30				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	118.900	119.000	0.10	0.08%	0.08%
0	2	118.400	118.300	-0.10	-0.08%	0.08%
0	3	119.400	119.400	0.00	0.00%	0.00%
0	4	119.700	119.400	-0.30	-0.25%	0.25%
0	5	119.600	119.500	-0.10	-0.08%	0.08%
10	6	119.800	119.600	-0.20	-0.17%	0.17%
10	7	118.900	119.000	0.10	0.08%	0.08%
10	8	119.100	119.100	0.00	0.00%	0.00%
10	9	119.000	119.000	0.00	0.00%	0.00%
10	10	118.900	118.800	-0.10	-0.08%	0.08%
20	11	118.500	117.900	-0.60	-0.51%	0.50%
20	12	118.600	118.400	-0.20	-0.17%	0.17%
20	13	118.700	118.200	-0.50	-0.42%	0.42%
20	14	119.800	119.800	0.00	0.00%	0.00%
20	15	119.400	119.300	-0.10	-0.08%	0.08%
30	16	120.400	119.700	-0.70	-0.58%	0.58%
30	17	108.900	108.800	-0.10	-0.09%	0.08%
30	18	115.300	115.100	-0.20	-0.17%	0.17%
30	19	113.100	111.600	-1.50	-1.33%	1.25%
30	20	116.700	116.200	-0.50	-0.43%	0.42%
40	21	118.000	117.500	-0.50	-0.42%	0.42%
40	22	119.200	118.800	-0.40	-0.34%	0.33%
40	23	116.500	116.000	-0.50	-0.43%	0.42%
40	24	116.500	116.200	-0.30	-0.26%	0.25%
40	25	118.400	117.800	-0.60	-0.51%	0.50%
50	26	119.800	119.300	-0.50	-0.42%	0.42%
50	27	118.800	118.400	-0.40	-0.34%	0.33%
50	28	118.700	118.700	0.00	0.00%	0.00%
50	29	119.500	119.300	-0.20	-0.17%	0.17%
50	30	117.900	117.700	-0.20	-0.17%	0.17%
Max		120.400	119.800	0.10	0.08%	1.25%
Average		118.147	117.843	-0.30	-0.26%	0.26%
Min		108.900	108.800	-1.50	-1.33%	0.00%
Std Dev		2.315	2.429	0.32	0.29%	0.26%



		IL_BSXX_ACT							
Units		uA							
Max Limit		150							
Min Limit		30							
krad	krad	0	10	20	30	40	50	krad	krad
LL		30.000	30.000	30.000	30.000	30.000	30.000		
Min		118.300	118.800	117.900	108.800	116.000	117.200		
Average		119.120	119.100	118.720	114.280	117.260	118.580		
Max		119.500	119.600	119.800	119.700	118.800	119.300		
UL		150.000	150.000	150.000	150.000	150.000	150.000		

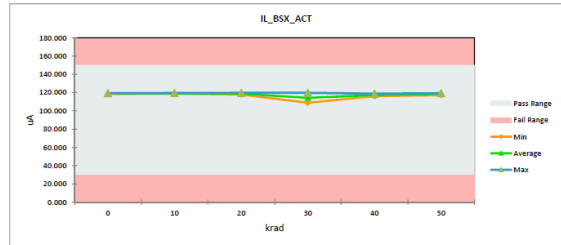
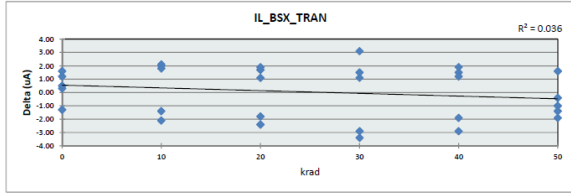


Figure 5-10. HDR_IL_BSXX_ACT

TID Report
DRV8351-SEP

		IL_BSX_TRAN				
		uA				
		Max Limit	220			
		Min Limit	30			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	141.500	140.200	-1.30	-0.92%	0.68%
0	2	139.100	140.300	1.20	0.86%	0.63%
0	3	142.600	142.900	0.30	0.21%	0.16%
0	4	138.900	140.500	1.60	1.15%	0.84%
0	5	140.200	140.700	0.50	0.36%	0.26%
10	6	138.000	140.000	2.00	1.45%	1.05%
10	7	138.000	136.600	-1.40	-1.01%	0.74%
10	8	139.100	141.200	2.10	1.51%	1.11%
10	9	139.300	137.200	-2.10	-1.51%	1.11%
10	10	138.400	140.200	1.80	1.30%	0.93%
20	11	139.700	141.400	1.70	1.22%	0.89%
20	12	141.300	138.900	-2.40	-1.70%	1.26%
20	13	138.600	140.500	1.90	1.37%	1.00%
20	14	141.400	139.600	-1.80	-1.27%	0.95%
20	15	139.100	140.000	0.90	0.65%	0.48%
30	16	140.100	141.200	1.10	0.79%	0.58%
30	17	134.900	131.500	-3.40	-2.52%	1.79%
30	18	137.000	138.500	1.50	1.09%	0.79%
30	19	133.700	130.800	-2.90	-2.17%	1.53%
30	20	136.100	139.200	3.10	2.28%	1.63%
40	21	139.900	141.400	1.50	1.07%	0.79%
40	22	143.600	140.700	-2.90	-2.02%	1.53%
40	23	136.400	137.600	1.20	0.88%	0.63%
40	24	136.900	135.000	-1.90	-1.39%	1.00%
40	25	139.300	141.200	1.90	1.36%	1.00%
50	26	141.200	140.200	-1.00	-0.71%	0.53%
50	27	143.400	138.500	-4.90	-3.42%	1.93%
50	28	140.500	140.100	-0.40	-0.28%	0.21%
50	29	140.900	139.500	-1.40	-0.99%	0.74%
50	30	138.000	140.600	2.60	1.90%	1.35%
Max		143.600	143.500	0.10	0.07%	0.05%
Average		139.170	139.213	0.04	0.03%	0.02%
Min		133.700	130.800	-3.40	-2.52%	1.79%
Std Dev		2.184	2.716	1.68	1.36%	0.99%



		IL_BSX_TRAN					
		uA					
		Max Limit	220				
		Min Limit	30				
krad	IL	Min	Average	Max	UL	UL	
0	30.000	140.200	136.600	138.900	130.800	135.000	138.500
10	30.000	140.920	139.040	140.120	136.240	139.180	139.780
20	30.000	142.900	141.200	141.400	141.200	141.400	140.600
30	30.000	220.000	220.000	220.000	220.000	220.000	220.000

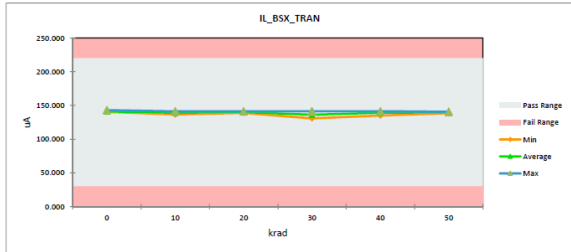
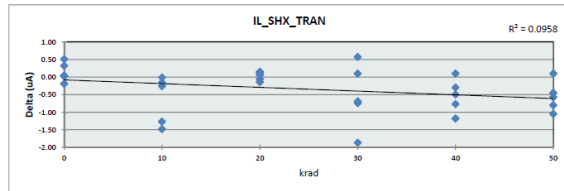


Figure 5-11. HDR_IL_BSX_TRAN

TID Report
DRV8351-SEP

		IL_SHX_TRAN				
		uA				
		Max Limit	90			
		Min Limit	30			
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	56.320	56.130	-0.19	-0.34%	0.32%
0	2	59.590	59.610	0.02	0.03%	0.03%
0	3	59.810	60.130	0.32	0.54%	0.53%
0	4	57.990	57.330	-0.66	-1.14%	0.73%
0	5	55.470	55.980	0.51	0.92%	0.85%
10	6	55.290	54.020	-1.27	-2.30%	2.12%
10	7	54.470	54.310	-0.16	-0.29%	0.27%
10	8	58.130	57.870	-0.26	-0.45%	0.43%
10	9	55.840	55.830	-0.01	-0.02%	0.02%
10	10	57.740	56.260	-1.48	-2.56%	2.47%
20	11	59.520	59.460	-0.06	-0.10%	0.10%
20	12	59.370	59.520	0.15	0.25%	0.25%
20	13	58.100	58.220	0.12	0.21%	0.20%
20	14	59.120	58.980	-0.14	-0.24%	0.23%
20	15	57.330	57.390	0.06	0.10%	0.10%
30	16	56.890	56.150	-0.74	-1.30%	1.23%
30	17	59.470	59.570	0.10	0.17%	0.17%
30	18	57.240	57.810	0.57	1.00%	0.95%
30	19	55.660	54.970	-0.69	-1.24%	1.15%
30	20	57.680	55.810	-1.87	-3.24%	3.12%
40	21	60.880	60.580	-0.30	-0.49%	0.50%
40	22	61.990	61.490	-0.50	-0.81%	0.83%
40	23	56.680	55.500	-1.18	-2.08%	1.97%
40	24	55.910	56.910	1.00	1.79%	1.75%
40	25	59.660	58.890	-0.77	-1.29%	1.28%
50	26	60.990	60.190	-0.80	-1.31%	1.33%
50	27	59.340	58.890	-0.45	-0.76%	0.75%
50	28	58.010	58.110	0.10	0.17%	0.17%
50	29	60.650	59.600	-1.05	-1.73%	1.75%
50	30	59.010	58.440	-0.57	-0.97%	0.95%
Max		61.990	61.490	0.57	1.00%	1.23%
Average		58.112	57.765	-0.35	-0.60%	0.81%
Min		54.470	54.020	-1.87	-3.24%	3.12%
Std Dev		1.925	1.992	0.59	1.03%	0.80%



		IL_SHX_TRAN					
		uA					
		Max Limit	90				
		Min Limit	30				
krad	IL	Min	Average	Max	UL	UL	
0	30.000	55.980	54.020	57.390	54.970	55.500	58.110
10	30.000	57.836	55.658	58.714	56.862	58.474	59.046
20	30.000	60.130	57.870	59.520	59.570	61.490	60.190
30	30.000	90.000	90.000	90.000	90.000	90.000	90.000

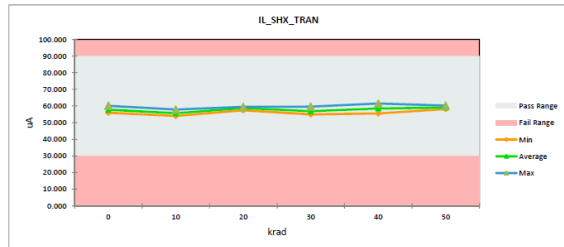
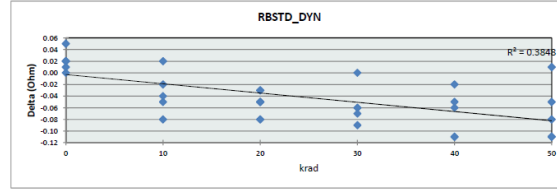


Figure 5-12. HDR_IL_SHX_TRAN

TID Report
DRV8351-SEP

		RBSTD_DYN				
Units		Ohm				
Max Limit		25				
Min Limit		11				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	13.690	13.710	0.02	0.15%	0.14%
0	2	13.840	13.840	0.00	0.00%	0.00%
0	3	13.970	14.020	0.05	0.36%	0.36%
0	4	14.130	14.150	0.02	0.14%	0.14%
0	5	14.220	14.230	0.01	0.07%	0.07%
10	6	14.440	14.360	-0.08	-0.55%	0.57%
10	7	14.410	14.430	0.02	0.14%	0.14%
10	8	14.050	14.000	-0.05	-0.36%	0.36%
10	9	14.220	14.200	-0.02	-0.14%	0.14%
10	10	14.160	14.120	-0.04	-0.28%	0.28%
20	11	14.450	14.370	-0.08	-0.55%	0.57%
20	12	14.310	14.280	-0.03	-0.21%	0.21%
20	13	14.100	14.050	-0.05	-0.36%	0.36%
20	14	14.220	14.190	-0.03	-0.21%	0.21%
20	15	13.920	13.870	-0.05	-0.36%	0.36%
30	16	14.370	14.280	-0.09	-0.63%	0.64%
30	17	13.340	13.340	0.00	0.00%	0.00%
30	18	13.460	13.400	-0.06	-0.45%	0.43%
30	19	13.280	13.220	-0.06	-0.45%	0.43%
30	20	13.520	13.450	-0.07	-0.52%	0.50%
40	21	13.500	13.440	-0.06	-0.44%	0.43%
40	22	13.360	13.340	-0.02	-0.15%	0.14%
40	23	13.530	13.420	-0.11	-0.81%	0.79%
40	24	13.610	13.560	-0.05	-0.37%	0.36%
40	25	13.590	13.440	-0.11	-0.81%	0.79%
50	26	13.490	13.380	-0.11	-0.82%	0.79%
50	27	13.480	13.430	-0.05	-0.37%	0.36%
50	28	13.490	13.500	0.01	0.07%	0.07%
50	29	13.590	13.480	-0.11	-0.81%	0.79%
50	30	13.540	13.460	-0.08	-0.59%	0.57%
Max		14.450	14.430	0.05	0.36%	0.79%
Average		13.641	13.500	-0.04	-0.31%	0.37%
Min		13.280	13.220	-0.11	-0.82%	0.00%
Std Dev		0.383	0.394	0.04	0.32%	0.24%



		RBSTD_DYN				
Units		Ohm				
Max Limit		25				
Min Limit		11				
krad	krad	krad	krad	krad	krad	krad
LL	11.000	11.000	11.000	11.000	11.000	11.000
Min	13.710	14.000	13.870	13.220	13.340	13.380
Average	13.990	14.222	14.152	13.538	13.440	13.450
Max	14.230	14.430	14.370	14.280	13.560	13.500
UL	25.000	25.000	25.000	25.000	25.000	25.000

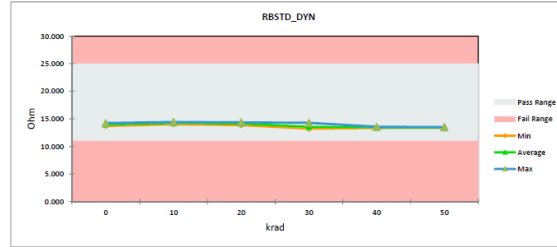
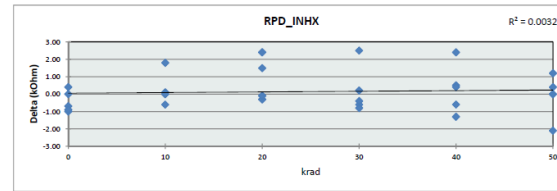


Figure 5-13. HDR_RBSTD_DYN

TID Report
DRV8351-SEP

		RPD_INHX				
Units		kOhm				
Max Limit		280				
Min Limit		120				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	198.300	198.700	0.40	0.20%	0.25%
0	2	199.200	198.200	-1.00	-0.50%	0.63%
0	3	196.700	196.000	-0.70	-0.36%	0.44%
0	4	196.800	195.900	-0.90	-0.46%	0.56%
0	5	196.900	196.900	0.00	0.00%	0.00%
10	6	194.300	194.300	0.00	0.00%	0.00%
10	7	194.400	196.200	1.80	0.93%	1.12%
10	8	196.700	196.800	0.10	0.05%	0.06%
10	9	194.600	194.600	0.00	0.00%	0.00%
10	10	195.800	195.200	-0.60	-0.31%	0.38%
20	11	199.900	199.600	-0.30	-0.15%	0.19%
20	12	195.700	197.200	1.50	0.77%	0.94%
20	13	198.300	198.200	-0.10	-0.05%	0.06%
20	14	194.700	197.100	2.40	1.23%	1.50%
20	15	199.300	199.200	-0.10	-0.05%	0.06%
30	16	196.100	195.500	-0.60	-0.31%	0.37%
30	17	215.100	217.600	2.50	1.16%	1.56%
30	18	207.900	207.500	-0.40	-0.19%	0.25%
30	19	209.900	210.100	0.20	0.10%	0.12%
30	20	205.400	204.600	-0.80	-0.39%	0.50%
40	21	201.100	199.800	-1.30	-0.65%	0.81%
40	22	194.800	197.200	2.40	1.23%	1.50%
40	23	203.700	203.100	-0.60	-0.29%	0.37%
40	24	202.500	203.000	0.50	0.25%	0.31%
40	25	200.500	200.900	0.40	0.20%	0.25%
50	26	199.500	199.500	0.00	0.00%	0.00%
50	27	197.700	197.700	0.00	0.00%	0.00%
50	28	201.300	199.200	-2.10	-1.04%	1.31%
50	29	196.900	198.100	1.20	0.61%	0.75%
50	30	201.200	201.600	0.40	0.20%	0.25%
Max		215.100	217.600	2.50	1.23%	1.56%
Average		199.507	199.650	0.14	0.07%	0.49%
Min		194.300	194.300	-2.10	-1.04%	0.00%
Std Dev		4.906	4.991	1.10	0.55%	0.49%



		RPD_INHX				
Units		kOhm				
Max Limit		280				
Min Limit		120				
krad	krad	krad	krad	krad	krad	krad
LL	120.000	120.000	120.000	120.000	120.000	120.000
Min	195.900	194.300	197.100	195.500	197.200	197.700
Average	197.140	195.420	198.260	207.060	200.800	199.220
Max	198.700	196.800	199.600	217.600	203.100	201.600
UL	280.000	280.000	280.000	280.000	280.000	280.000

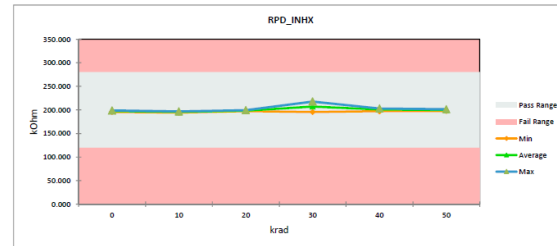
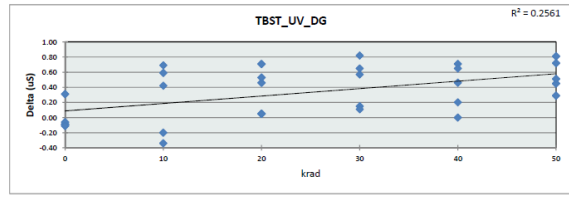


Figure 5-14. HDR_RPD_INHX

TID Report
DRV8351-SEP

		TBST_UV_DG				
Units		uS				
Max Limit		22				
Min Limit		6				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	12.580	12.490	-0.09	-0.72%	0.56%
0	2	12.330	12.640	0.31	2.51%	1.94%
0	3	12.660	12.570	-0.09	-0.71%	0.56%
0	4	12.530	12.470	-0.06	-0.48%	0.38%
0	5	12.370	12.260	-0.11	-0.89%	0.69%
10	6	11.800	12.490	0.69	5.85%	4.31%
10	7	12.180	11.980	-0.20	-1.64%	1.25%
10	8	12.130	12.550	0.42	3.46%	2.63%
10	9	12.360	12.020	-0.34	-2.75%	2.13%
10	10	12.040	12.620	0.59	4.90%	3.69%
20	11	12.250	12.710	0.46	3.76%	2.88%
20	12	12.300	12.350	0.05	0.41%	0.31%
20	13	12.050	12.760	0.71	5.89%	4.44%
20	14	12.400	12.450	0.05	0.40%	0.31%
20	15	12.340	12.870	0.53	4.29%	3.21%
30	16	12.130	12.700	0.57	4.70%	3.56%
30	17	15.260	15.410	0.15	0.98%	0.94%
30	18	13.100	13.920	0.82	6.26%	5.13%
30	19	13.820	13.930	0.11	0.80%	0.69%
30	20	12.850	13.500	0.65	5.06%	4.06%
40	21	12.620	13.080	0.46	3.65%	2.88%
40	22	12.570	12.770	0.20	1.59%	1.25%
40	23	12.630	13.340	0.71	5.62%	4.44%
40	24	12.810	12.810	0.00	0.00%	0.00%
40	25	12.600	13.250	0.65	5.16%	4.06%
50	26	12.320	13.040	0.72	5.84%	4.50%
50	27	12.550	12.640	0.09	0.72%	0.56%
50	28	12.500	12.950	0.45	3.60%	2.80%
50	29	12.230	12.740	0.51	4.17%	3.19%
50	30	12.570	13.380	0.81	6.44%	5.06%
Max		15.260	15.410	0.82	6.44%	5.13%
Average		12.600	12.897	0.33	2.58%	2.00%
Min		11.800	11.980	-0.34	-2.75%	0.00%
Std Dev		0.630	0.668	0.34	2.72%	1.64%



		TBST_UV_DG					
Units		uS					
Max Limit		22					
Min Limit		6					
krad	LL	LL	LL	LL	LL	LL	
0	6.000	6.000	6.000	6.000	6.000	6.000	
10	12.260	11.980	12.350	12.700	12.770	12.740	
20	12.486	12.334	12.628	13.892	13.050	12.990	
30	12.640	12.630	12.870	15.410	13.340	13.380	
40	22.000	22.000	22.000	22.000	22.000	22.000	

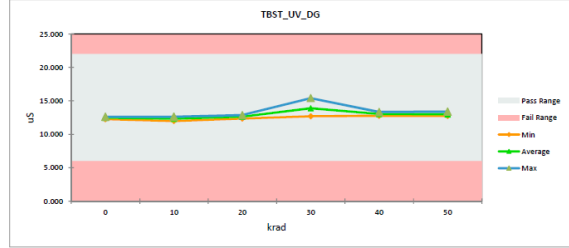
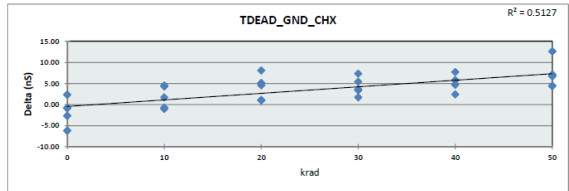


Figure 5-15. HDR_TBST_UV_DG

TID Report
DRV8351-SEP

		TDEAD_GND_CHX				
Units		nS				
Max Limit		280				
Min Limit		150				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	198.100	200.400	2.30	1.16%	1.77%
0	2	209.200	203.000	-6.20	-2.96%	4.77%
0	3	204.400	203.500	-0.90	-0.44%	0.69%
0	4	204.600	203.800	-0.80	-0.39%	0.62%
0	5	199.000	196.300	-2.70	-1.36%	2.08%
10	6	196.500	200.800	4.30	2.19%	3.31%
10	7	200.000	199.000	-1.00	-0.50%	0.77%
10	8	203.000	204.700	1.70	0.84%	1.31%
10	9	201.700	201.000	-0.70	-0.35%	0.54%
10	10	198.900	203.400	4.50	2.26%	3.46%
20	11	201.400	206.500	5.10	2.53%	3.92%
20	12	202.000	203.100	1.10	0.54%	0.85%
20	13	204.600	208.200	3.60	1.75%	2.54%
20	14	203.800	204.800	1.00	0.49%	0.77%
20	15	194.000	202.100	8.10	4.18%	6.23%
30	16	198.900	202.300	3.40	1.71%	2.62%
30	17	205.600	212.900	7.30	3.55%	5.62%
30	18	201.900	205.500	3.60	1.78%	2.77%
30	19	207.300	209.000	1.70	0.82%	1.31%
30	20	205.600	211.000	5.40	2.63%	4.15%
40	21	198.500	204.300	5.80	2.92%	4.46%
40	22	196.700	199.100	2.40	1.22%	1.85%
40	23	201.000	206.700	5.70	2.84%	4.38%
40	24	202.800	210.500	7.70	3.80%	5.92%
40	25	196.000	200.700	4.70	2.40%	3.62%
50	26	197.600	210.200	12.60	6.38%	9.69%
50	27	199.200	203.600	4.40	2.21%	3.38%
50	28	203.400	210.500	7.10	3.49%	5.46%
50	29	203.200	205.600	2.40	1.19%	1.78%
50	30	204.500	211.200	6.70	3.28%	5.15%
Max		209.200	212.900	12.60	6.38%	9.69%
Average		201.380	204.823	3.44	1.72%	2.28%
Min		194.000	196.300	-6.20	-2.96%	0.54%
Std Dev		3.591	4.213	3.76	1.87%	2.12%



		TDEAD_GND_CHX					
Units		nS					
Max Limit		280					
Min Limit		150					
krad	LL	LL	LL	LL	LL	LL	
0	150.000	150.000	150.000	150.000	150.000	150.000	
10	196.300	199.000	202.100	202.300	199.100	203.600	
20	201.400	201.780	205.140	208.140	204.260	208.220	
30	203.800	204.700	209.200	212.900	210.500	211.200	
40	280.000	280.000	280.000	280.000	280.000	280.000	

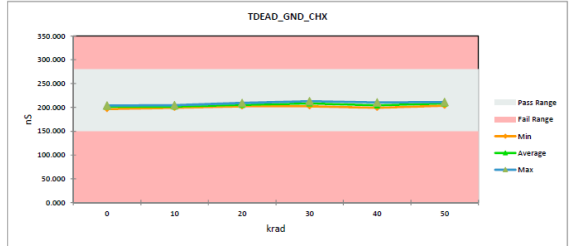
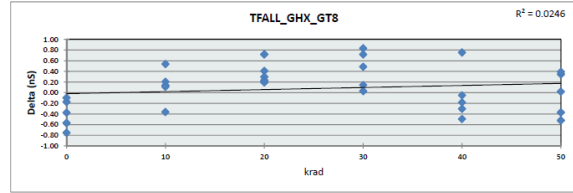


Figure 5-16. HDR_TDEAD_GND_CHX

TID Report
DRV8351-SEP

		TFALL_GHX_GT8				
Units		nS				
Max Limit		30				
Min Limit		5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	8.385	8.007	-0.38	-4.51%	1.51%
0	2	8.810	8.958	-0.75	-8.54%	3.01%
0	3	8.497	8.322	-0.18	-2.06%	0.70%
0	4	8.397	7.825	-0.57	-6.81%	2.29%
0	5	8.216	8.119	-0.10	-1.18%	0.39%
10	6	7.858	8.395	0.54	6.83%	2.15%
10	7	8.220	8.424	0.20	2.48%	0.82%
10	8	8.165	8.300	0.14	1.65%	0.54%
10	9	8.769	8.881	0.11	1.28%	0.45%
10	10	8.238	7.875	-0.36	-4.41%	1.45%
20	11	7.957	8.267	0.41	5.15%	1.64%
20	12	8.155	8.452	0.30	3.64%	1.19%
20	13	8.303	8.532	0.23	2.76%	0.92%
20	14	8.202	8.394	0.19	2.34%	0.77%
20	15	7.609	8.545	0.77	9.17%	2.86%
30	16	8.169	8.197	0.03	0.34%	0.11%
30	17	8.964	9.104	0.14	1.56%	0.56%
30	18	7.947	8.664	0.72	9.02%	2.87%
30	19	8.841	9.326	0.49	5.49%	1.94%
30	20	8.003	8.834	0.83	10.38%	3.32%
40	21	8.298	8.111	-0.19	-2.25%	0.75%
40	22	8.383	8.332	-0.05	-0.61%	0.20%
40	23	8.244	7.939	-0.30	-3.70%	1.22%
40	24	7.780	8.532	0.75	9.67%	3.01%
40	25	8.549	8.053	-0.50	-5.80%	1.98%
50	26	8.080	8.424	0.34	4.26%	1.38%
50	27	8.181	7.809	-0.37	-4.55%	1.49%
50	28	7.834	8.223	0.39	4.97%	1.56%
50	29	8.053	8.071	0.02	0.22%	0.07%
50	30	8.105	7.583	-0.52	-6.44%	2.09%
Max		8.964	9.326	0.83	10.38%	3.32%
Average		7.806	8.223	0.08	1.01%	0.32%
Min		7.780	7.583	-0.75	-8.54%	0.07%
Std Dev		0.308	0.385	0.43	5.26%	0.94%



		TFALL_GHX_GT8						
Units		nS						
Max Limit		30						
Min Limit		5						
krad	LL	10	20	30	40	50		
Min	5.000	5.000	5.000	5.000	5.000	5.000		
Average	7.825	7.875	8.367	8.197	7.939	7.583		
Max	8.066	8.375	8.454	8.825	8.193	8.022		
UL	8.322	8.881	8.532	9.326	8.532	8.424		
	30.000	30.000	30.000	30.000	30.000	30.000		

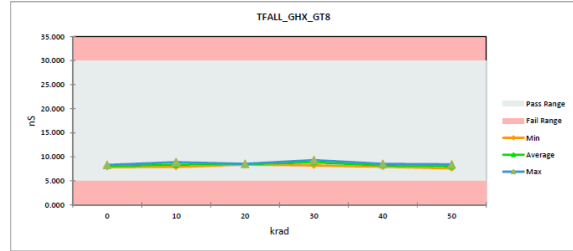
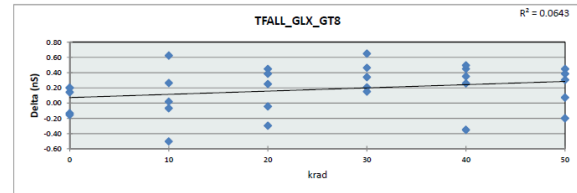


Figure 5-17. HDR_TFALL_GHX_GT8

TID Report
DRV8351-SEP

		TFALL_GLX_GT8				
Units		nS				
Max Limit		30				
Min Limit		5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	9.656	9.798	0.14	1.47%	0.57%
0	2	9.835	9.700	-0.14	-1.37%	0.54%
0	3	9.920	9.766	-0.15	-1.55%	0.62%
0	4	9.770	9.969	0.20	2.04%	0.80%
0	5	9.616	9.818	0.20	2.10%	0.81%
10	6	9.435	9.699	0.25	2.73%	1.05%
10	7	10.180	9.678	-0.50	-4.93%	2.01%
10	8	9.822	9.755	-0.07	-0.68%	0.27%
10	9	10.020	10.040	0.02	0.20%	0.08%
10	10	9.261	9.884	0.62	6.72%	2.42%
20	11	9.695	9.398	-0.30	-3.06%	1.19%
20	12	9.670	10.120	0.45	4.65%	1.80%
20	13	9.524	9.910	0.39	4.05%	1.54%
20	14	9.799	10.050	0.25	2.56%	1.00%
20	15	9.984	9.941	-0.04	-0.43%	0.17%
30	16	9.562	9.769	0.21	2.16%	0.83%
30	17	10.190	10.840	0.65	6.38%	2.60%
30	18	9.268	9.731	0.46	5.00%	1.85%
30	19	9.607	9.758	0.15	1.57%	0.60%
30	20	9.194	9.535	0.34	3.71%	1.36%
40	21	9.583	9.934	0.35	3.66%	1.40%
40	22	9.354	9.803	0.45	4.80%	1.80%
40	23	9.487	9.982	0.50	5.22%	1.90%
40	24	9.649	9.298	-0.35	-3.64%	1.40%
40	25	9.554	9.813	0.26	2.71%	1.04%
50	26	9.603	9.677	0.07	0.77%	0.30%
50	27	9.272	9.719	0.45	4.82%	1.79%
50	28	10.040	9.841	-0.20	-1.98%	0.80%
50	29	9.665	10.050	0.39	3.98%	1.54%
50	30	9.466	9.771	0.31	3.22%	1.22%
Max		10.190	10.840	0.65	6.73%	2.60%
Average		9.656	9.835	0.18	1.90%	0.71%
Min		9.194	9.298	-0.50	-4.93%	0.08%
Std Dev		0.265	0.263	0.29	3.02%	0.67%



		TFALL_GLX_GT8						
Units		nS						
Max Limit		30						
Min Limit		5						
krad	LL	10	20	30	40	50		
Min	5.000	5.000	5.000	5.000	5.000	5.000		
Average	9.700	9.678	9.884	9.535	9.298	9.677		
Max	9.810	9.811	9.884	9.927	9.766	9.812		
UL	9.969	10.040	10.120	10.840	9.982	10.050		
	30.000	30.000	30.000	30.000	30.000	30.000		

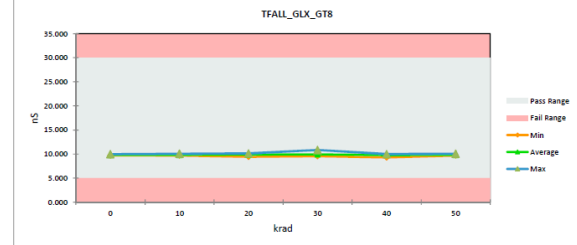
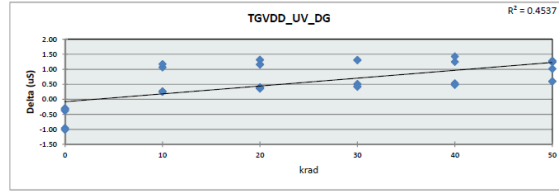


Figure 5-18. HDR_TFALL_GLX_GT8

TID Report
DRV8351-SEP

		TGVDD_UV_DG				
Units		uS				
Max Limit		13				
Min Limit		5				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	8.191	7.812	-0.38	-4.63%	4.74%
0	2	8.858	7.906	-0.95	-10.75%	11.90%
0	3	8.209	7.903	-0.31	-3.73%	3.82%
0	4	9.084	8.079	-1.01	-11.06%	12.56%
0	5	8.415	8.074	-0.34	-4.02%	4.23%
10	6	8.305	8.563	0.26	3.11%	3.25%
10	7	8.151	9.213	1.06	13.03%	13.28%
10	8	8.442	8.697	0.25	3.02%	3.19%
10	9	8.070	9.240	1.17	14.50%	14.63%
10	10	8.248	8.509	0.26	3.16%	3.26%
20	11	8.478	8.857	0.38	4.47%	4.74%
20	12	8.029	9.191	1.16	14.47%	14.53%
20	13	8.158	8.522	0.36	4.46%	4.55%
20	14	8.580	9.896	1.32	15.34%	16.45%
20	15	8.208	8.605	0.40	4.84%	4.96%
30	16	8.214	8.723	0.51	6.20%	6.36%
30	17	8.322	9.623	1.30	15.63%	16.20%
30	18	7.977	8.398	0.42	5.28%	5.26%
30	19	8.630	9.939	1.31	15.17%	16.36%
30	20	8.026	8.525	0.43	5.30%	5.36%
40	21	7.709	8.192	0.48	6.27%	6.04%
40	22	7.510	8.759	1.25	16.63%	15.61%
40	23	8.154	8.686	0.53	6.52%	6.65%
40	24	7.938	9.366	1.43	17.99%	17.85%
40	25	8.000	8.486	0.49	6.07%	6.07%
50	26	7.543	8.780	1.24	16.40%	15.46%
50	27	8.008	9.288	1.28	15.98%	16.00%
50	28	7.794	8.808	1.01	13.01%	12.68%
50	29	7.725	8.989	1.26	16.36%	15.80%
50	30	8.198	8.795	0.60	7.28%	7.46%
Max		9.084	9.939	1.43	17.99%	17.85%
Average		8.175	8.747	0.57	7.21%	9.64%
Min		7.510	7.812	-1.01	-11.06%	3.19%
Std Dev		0.349	0.552	0.67	8.20%	5.27%



		TGVDD_UV_DG									
Units		uS									
Max Limit		13									
Min Limit		5									
krad	LL	Min	Average	Max	UL	krad	LL	Min	Average	Max	UL
0	5.000	7.812	7.955	8.000	13.000	10	5.000	8.509	8.844	9.000	13.000
20	5.000	8.522	8.522	9.014	13.000	30	5.000	8.398	9.042	9.000	13.000
40	5.000	8.192	8.192	8.698	13.000	50	5.000	8.192	8.698	9.366	13.000
50	5.000	8.780	8.932	9.288	13.000						

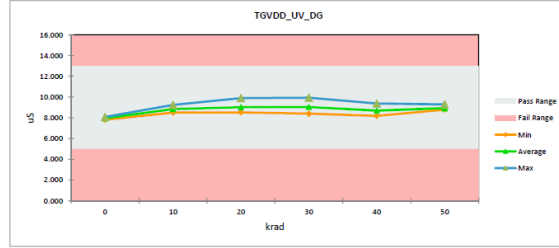
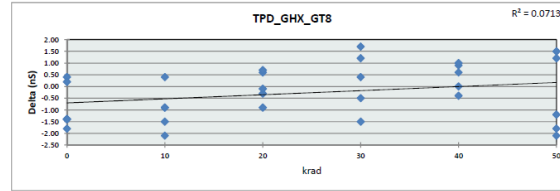


Figure 5-19. HDR_TGVDD_UV_DG

TID Report
DRV8351-SEP

		TPD_GHX_GT8				
Units		nS				
Max Limit		180				
Min Limit		70				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	110.600	109.200	-1.40	-1.27%	1.27%
0	2	109.700	110.100	0.40	0.36%	0.36%
0	3	111.500	110.100	-1.40	-1.26%	1.27%
0	4	109.800	110.000	0.20	0.18%	0.18%
0	5	111.000	109.200	-1.80	-1.62%	1.64%
10	6	110.700	108.600	-2.10	-1.90%	1.91%
10	7	109.100	109.500	0.40	0.37%	0.36%
10	8	111.500	110.600	-0.90	-0.81%	0.82%
10	9	109.400	107.900	-1.50	-1.37%	1.36%
10	10	111.100	110.200	-0.90	-0.81%	0.82%
20	11	111.600	111.300	-0.30	-0.27%	0.27%
20	12	109.200	109.800	0.60	0.55%	0.55%
20	13	110.800	110.700	-0.10	-0.09%	0.09%
20	14	109.000	109.700	0.70	0.64%	0.64%
20	15	112.800	111.900	-0.90	-0.80%	0.82%
30	16	112.000	110.500	-1.50	-1.34%	1.36%
30	17	116.000	117.200	1.20	1.03%	1.09%
30	18	114.100	113.600	-0.50	-0.44%	0.45%
30	19	112.700	114.400	1.70	1.51%	1.55%
30	20	112.500	112.900	0.40	0.36%	0.36%
40	21	111.900	112.800	0.90	0.80%	0.82%
40	22	108.900	108.500	-0.40	-0.37%	0.36%
40	23	111.700	112.700	1.00	0.90%	0.91%
40	24	110.400	111.000	0.60	0.54%	0.55%
40	25	111.200	111.300	0.00	0.00%	0.00%
50	26	111.500	109.700	-1.80	-1.61%	1.64%
50	27	110.700	109.500	-1.20	-1.08%	1.09%
50	28	108.900	110.400	1.50	1.38%	1.36%
50	29	112.100	110.000	-2.10	-1.87%	1.91%
50	30	110.300	111.500	1.20	1.09%	1.09%
Max		116.000	117.200	1.70	1.51%	1.91%
Average		111.090	110.823	-0.27	-0.24%	0.90%
Min		108.900	107.900	-2.10	-1.90%	0.00%
Std Dev		1.527	1.241	1.14	1.02%	0.53%



		TPD_GHX_GT8									
Units		nS									
Max Limit		180									
Min Limit		70									
krad	LL	Min	Average	Max	UL	krad	LL	Min	Average	Max	UL
0	70.000	109.200	109.200	109.700	180.000	10	70.000	107.900	109.600	110.600	180.000
20	70.000	109.700	109.700	110.500	180.000	30	70.000	109.500	111.240	111.240	180.000
40	70.000	108.500	108.500	112.800	180.000	50	70.000	107.900	110.220	111.500	180.000
50	70.000	109.500	109.500	111.500	180.000						

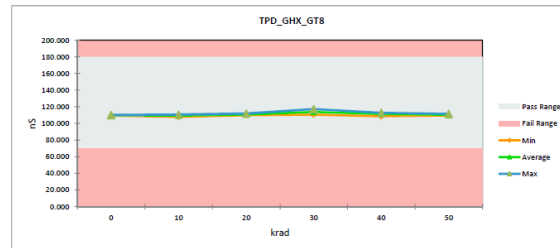
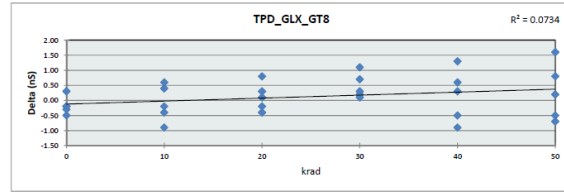


Figure 5-20. HDR_TPD_GHX_GT8

TID Report
DRV8351-SEP

		TPD_GLX_GT8				
Units		nS				
Max Limit		180				
Min Limit		70				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	127,000	126,500	-0.50	-0.39%	0.45%
0	2	127,000	126,800	-0.20	-0.16%	0.18%
0	3	125,800	125,600	-0.20	-0.16%	0.18%
0	4	124,900	125,200	0.30	0.24%	0.27%
0	5	125,800	125,500	-0.30	-0.24%	0.27%
10	6	125,700	125,500	-0.20	-0.16%	0.18%
10	7	125,500	125,900	0.40	0.32%	0.36%
10	8	128,100	127,200	-0.90	-0.70%	0.82%
10	9	125,400	126,000	0.60	0.48%	0.55%
10	10	127,400	127,000	-0.40	-0.31%	0.29%
20	11	127,300	127,600	0.30	0.24%	0.27%
20	12	126,000	126,100	0.10	0.08%	0.09%
20	13	127,200	127,000	-0.20	-0.16%	0.18%
20	14	125,500	126,300	0.80	0.64%	0.73%
20	15	128,300	127,900	-0.40	-0.31%	0.36%
30	16	126,200	126,400	0.20	0.16%	0.18%
30	17	138,300	139,400	1.10	0.80%	1.00%
30	18	127,900	127,200	-0.70	-0.55%	0.64%
30	19	132,200	133,900	1.70	1.26%	1.45%
30	20	129,100	129,200	0.10	0.08%	0.09%
40	21	126,900	128,200	1.30	1.02%	1.18%
40	22	125,600	125,900	0.30	0.24%	0.27%
40	23	129,400	128,900	-0.50	-0.39%	0.45%
40	24	128,200	128,800	0.60	0.47%	0.55%
40	25	127,700	126,800	-0.90	-0.70%	0.82%
50	26	127,600	127,100	-0.50	-0.39%	0.45%
50	27	126,800	127,000	0.20	0.16%	0.18%
50	28	126,300	127,100	0.80	0.63%	0.73%
50	29	127,600	126,900	-0.70	-0.55%	0.64%
50	30	126,900	128,500	1.60	1.26%	1.45%
Max		138,300	139,400	1.60	1.26%	1.45%
Average		127,587	127,713	0.13	0.10%	0.47%
Min		124,900	125,200	-0.90	-0.70%	0.09%
Std Dev		2,656	2,822	0.63	0.49%	0.33%



		TPD_GLX_GT8						
Units		nS						
Max Limit		180						
Min Limit		70						
krad	LL	UL	LL	UL	LL	UL	LL	UL
0	70,000	180,000	70,000	180,000	70,000	180,000	70,000	180,000
10	70,000	180,000	70,000	180,000	70,000	180,000	70,000	180,000
20	70,000	180,000	70,000	180,000	70,000	180,000	70,000	180,000
30	70,000	180,000	70,000	180,000	70,000	180,000	70,000	180,000
40	70,000	180,000	70,000	180,000	70,000	180,000	70,000	180,000
50	70,000	180,000	70,000	180,000	70,000	180,000	70,000	180,000
Min		125,200	125,500	126,100	126,400	126,900	126,900	126,900
Average		125,920	126,320	126,980	132,020	127,720	127,320	127,320
Max		126,800	127,200	127,900	139,400	126,900	126,500	126,500
UL		180,000	180,000	180,000	180,000	180,000	180,000	180,000

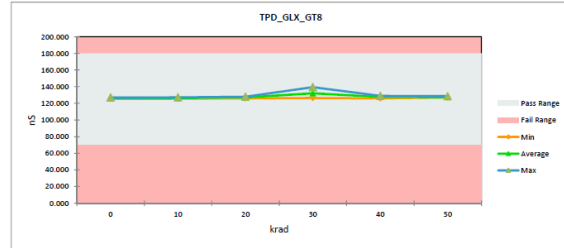
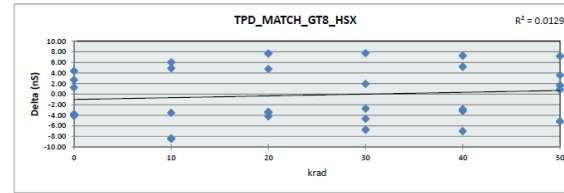


Figure 5-21. HDR_TPD_GLX_GT8

TID Report
DRV8351-SEP

		TPD_MATCH_GT8_HSX				
Units		nS				
Max Limit		30				
Min Limit		-30				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-7.119	-4.433	2.69	-37.73%	4.48%
0	2	0.274	-3.536	-3.81	-1389.10%	6.35%
0	3	-6.755	-2.391	4.36	-64.60%	7.27%
0	4	0.578	-3.539	-4.12	-711.97%	6.86%
0	5	-6.721	-5.504	1.22	-18.11%	2.03%
10	6	2.576	-5.893	-8.47	-328.77%	14.12%
10	7	-2.365	3.628	5.99	-253.40%	9.99%
10	8	-1.402	-4.935	-3.53	-252.00%	5.89%
10	9	-4.189	0.676	4.87	-116.14%	8.11%
10	10	3.628	-5.728	-9.36	-317.86%	13.93%
20	11	-0.146	-3.520	-3.37	-2317.58%	5.62%
20	12	-3.867	3.793	7.66	-198.09%	12.77%
20	13	-0.784	-4.978	-4.19	-535.03%	6.99%
20	14	-3.068	1.690	4.76	-155.08%	7.93%
20	15	-2.490	-4.004	-1.51	-71.68%	5.86%
30	16	0.642	-6.123	-6.77	-1053.44%	11.28%
30	17	-8.427	-0.666	7.76	-92.09%	12.93%
30	18	-4.309	-7.048	-2.74	63.56%	4.57%
30	19	-1.134	-2.209	-1.07	-46.57%	3.21%
30	20	-2.488	-7.176	-4.69	-188.42%	7.81%
40	21	3.354	-3.659	-7.01	-209.09%	11.69%
40	22	-3.121	2.054	5.18	-165.81%	8.63%
40	23	-0.981	-4.203	-3.22	-328.66%	5.37%
40	24	-4.851	2.413	7.26	-149.74%	12.11%
40	25	-1.779	-4.663	-2.88	-162.11%	4.81%
50	26	1.377	8.545	7.17	520.55%	11.95%
50	27	0.189	1.809	1.62	877.84%	2.71%
50	28	-2.813	0.777	3.59	-127.63%	5.98%
50	29	1.854	2.699	0.85	45.58%	1.41%
50	30	-0.657	-5.823	-5.17	-786.98%	8.61%
Max		3.354	8.545	7.17	520.55%	11.95%
Average		-1.900	-2.065	-0.17	-317.58%	7.71%
Min		-8.427	-7.176	-8.47	-1389.10%	1.41%
Std Dev		3.069	3.955	5.17	644.17%	3.52%



		TPD_MATCH_GT8_HSX						
Units		nS						
Max Limit		30						
Min Limit		-30						
krad	LL	UL	LL	UL	LL	UL	LL	UL
0	-30,000	30,000	-30,000	30,000	-30,000	30,000	-30,000	30,000
10	-30,000	30,000	-30,000	30,000	-30,000	30,000	-30,000	30,000
20	-30,000	30,000	-30,000	30,000	-30,000	30,000	-30,000	30,000
30	-30,000	30,000	-30,000	30,000	-30,000	30,000	-30,000	30,000
40	-30,000	30,000	-30,000	30,000	-30,000	30,000	-30,000	30,000
50	-30,000	30,000	-30,000	30,000	-30,000	30,000	-30,000	30,000
Min		-5,504	-5,893	-4,978	-7,176	-4,663	-5,823	-5,823
Average		-3,881	-2,450	-1,404	-4,644	-1,612	1,601	1,601
Max		-2,391	3,628	3,793	-0,666	2,413	8,545	8,545
UL		30,000	30,000	30,000	30,000	30,000	30,000	30,000

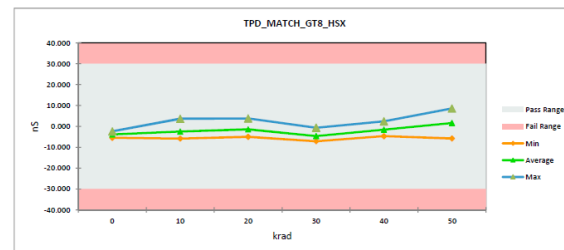


Figure 5-22. HDR_TPD_MATCH_GT8_HSX

TID Report
DRV8351-SEP

		TPD_MATCH_GT8_LSX				
Units		nS				
Max Limit		30				
Min Limit		-30				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.864	-2.361	-1.50	173.39%	2.50%
0	2	-1.328	-3.456	-2.13	160.24%	3.55%
0	3	-0.940	-2.444	-1.50	159.89%	2.51%
0	4	-2.369	-3.373	-1.00	42.38%	1.67%
0	5	-0.254	-1.099	-0.88	391.50%	1.46%
10	6	-2.498	-0.922	1.58	-63.09%	2.63%
10	7	-1.812	-0.539	1.27	-70.27%	2.12%
10	8	-1.726	0.033	1.76	-101.93%	2.93%
10	9	-2.015	0.108	2.12	-105.34%	3.54%
10	10	-2.643	-0.012	2.63	-99.54%	4.38%
20	11	-3.323	-1.252	2.07	-62.32%	3.45%
20	12	-1.867	0.254	2.12	-113.58%	3.53%
20	13	-3.167	-1.021	2.15	-67.76%	3.58%
20	14	-2.105	-0.162	1.94	-92.32%	3.24%
20	15	-2.960	-0.406	2.55	-86.29%	4.26%
30	16	-2.410	0.096	2.51	-103.98%	4.18%
30	17	-3.069	-0.767	2.30	-75.01%	3.84%
30	18	-2.331	0.758	3.09	-132.52%	5.15%
30	19	-2.084	-0.036	2.05	-98.26%	3.41%
30	20	-2.445	1.126	3.57	-146.05%	5.95%
40	21	-2.628	0.886	3.51	-133.71%	5.86%
40	22	-2.783	0.898	3.68	-132.26%	6.13%
40	23	-2.979	2.212	5.19	-174.25%	8.65%
40	24	-2.198	0.664	2.86	-130.19%	4.77%
40	25	-2.467	1.526	3.99	-161.86%	6.66%
50	26	-1.141	2.360	3.50	-306.84%	5.84%
50	27	-1.370	2.547	3.92	-285.91%	6.53%
50	28	-1.212	2.753	3.97	-327.15%	6.61%
50	29	-2.033	1.480	3.51	-172.80%	5.86%
50	30	-1.753	1.251	3.00	-171.36%	5.01%
Max		-0.224	2.753	5.19	391.50%	8.65%
Average		-2.091	0.037	2.13	-82.91%	4.33%
Min		-3.323	-3.456	-2.13	-327.15%	1.46%
Std Dev		0.752	1.610	1.83	145.67%	1.72%

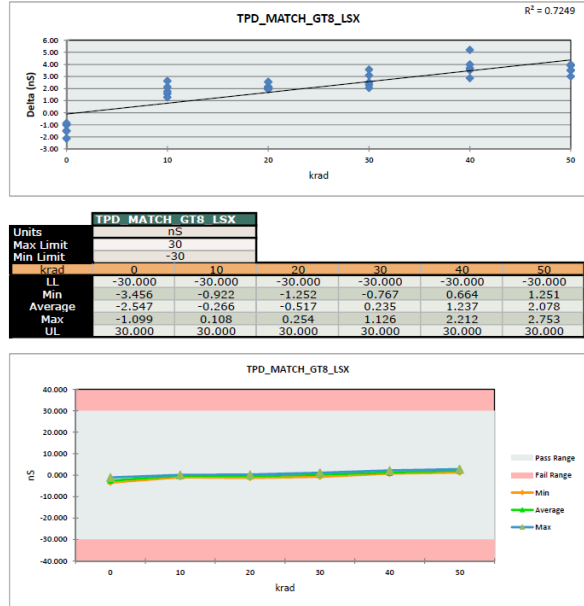


Figure 5-23. HDR_TPD_MATCH_GT8_LSX

TID Report
DRV8351-SEP

		TPD_MATCH_PP_GT8_HS				
Units		nS				
Max Limit		30				
Min Limit		-30				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.229	1.616	1.85	-805.06%	3.08%
0	2	0.799	0.451	-0.35	-43.59%	0.58%
0	3	0.464	1.169	0.71	152.21%	1.18%
0	4	0.416	1.239	0.82	197.76%	1.37%
0	5	0.477	1.262	0.79	164.85%	1.31%
10	6	0.535	0.847	0.31	58.36%	0.52%
10	7	0.391	-0.505	-0.90	-228.99%	1.49%
10	8	1.452	-0.173	-1.62	-111.91%	2.71%
10	9	1.177	-0.099	-1.28	-108.37%	2.13%
10	10	3.198	1.246	-1.95	-61.04%	3.25%
20	11	1.614	1.082	-0.53	-32.96%	0.89%
20	12	1.646	-0.532	-2.18	-132.31%	3.63%
20	13	2.000	1.280	-0.72	-36.00%	1.20%
20	14	1.251	0.034	-1.22	-97.27%	2.03%
20	15	1.288	1.000	-0.29	-22.38%	0.48%
30	16	2.293	0.747	-1.54	-67.28%	2.56%
30	17	1.170	0.101	-1.07	-91.40%	1.78%
30	18	0.782	-0.060	-0.84	-107.73%	1.40%
30	19	-0.428	-0.217	0.21	-49.22%	0.35%
30	20	0.479	-0.274	-0.76	-157.30%	1.25%
40	21	-0.051	-0.903	-0.85	1657.25%	1.42%
40	22	0.769	0.011	-0.76	-98.51%	1.26%
40	23	1.044	0.324	-0.72	-68.99%	1.20%
40	24	1.729	0.604	-1.13	-65.09%	1.88%
40	25	1.229	-0.007	-1.24	-100.54%	2.06%
50	26	1.080	1.299	0.22	20.28%	0.37%
50	27	1.560	0.041	-1.52	-97.39%	2.53%
50	28	1.205	0.718	-0.49	-40.41%	0.81%
50	29	0.172	0.113	-0.06	-34.18%	0.10%
50	30	1.140	-0.145	-1.28	-112.68%	2.14%
Max		3.198	1.616	1.85	1657.25%	3.63%
Average		1.021	0.409	-0.61	-17.33%	1.57%
Min		-0.428	-0.903	-2.18	-805.06%	0.10%
Std Dev		0.763	0.674	0.91	357.02%	0.91%

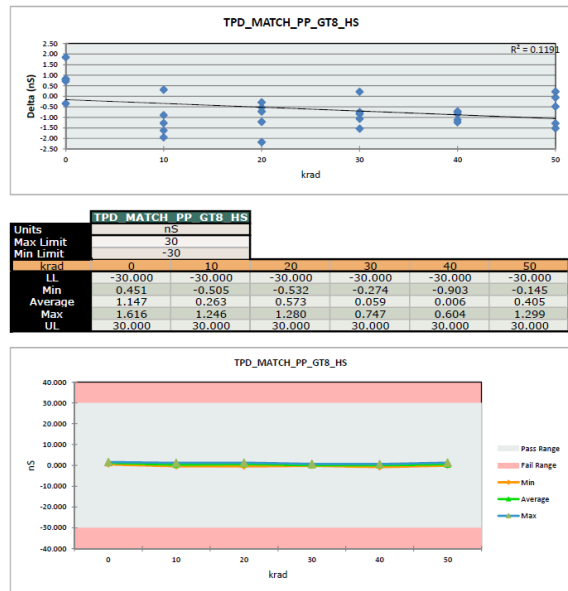
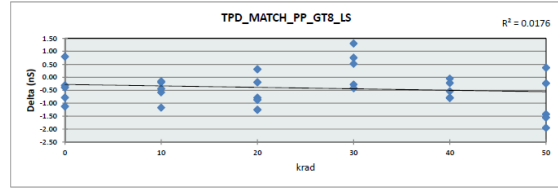


Figure 5-24. HDR_TPD_MATCH_PP_GT8_HS

TID Report
DRV8351-SEP

		TPD_MATCH_PP_GT8_LS				
Units		nS				
Max Limit		30				
Min Limit		-30				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.235	-1.359	-1.12	479.25%	1.87%
0	2	-1.152	-1.470	-0.32	37.60%	0.53%
0	3	-1.181	-1.573	-0.39	33.19%	0.65%
0	4	-2.723	-1.927	0.80	-29.23%	1.33%
0	5	-0.437	-1.223	-0.79	179.93%	1.31%
10	6	0.111	-0.080	-0.19	-172.36%	0.32%
10	7	-0.798	-1.965	-1.17	146.30%	1.95%
10	8	-0.301	-0.880	-0.58	191.87%	0.96%
10	9	-1.738	-2.179	-0.44	25.37%	0.74%
10	10	-0.459	-0.614	-0.16	33.95%	0.26%
20	11	0.123	0.437	0.31	256.61%	0.52%
20	12	-0.352	-1.605	-1.25	355.71%	2.09%
20	13	0.117	-0.072	-0.19	-161.39%	0.31%
20	14	-1.148	-1.938	-0.79	68.82%	1.32%
20	15	0.015	-0.852	-0.87	-5977.93%	1.44%
30	16	-0.101	-0.382	-0.28	280.40%	0.47%
30	17	-2.73	-2.020	0.75	-27.15%	1.28%
30	18	-0.396	0.128	0.52	-132.33%	0.87%
30	19	-1.211	-1.627	-0.42	34.35%	0.69%
30	20	-1.059	0.244	1.30	-133.02%	2.17%
40	21	0.021	-0.521	-0.54	-2613.75%	0.90%
40	22	-1.084	-1.874	-0.79	72.88%	1.32%
40	23	-0.069	-0.873	-0.80	1173.92%	1.34%
40	24	-1.559	-1.609	-0.05	3.21%	0.08%
40	25	0.190	-0.034	-0.22	-118.04%	0.37%
50	26	0.107	-1.841	-1.95	-1823.78%	3.25%
50	27	0.197	-1.225	-1.42	-723.09%	2.37%
50	28	-1.208	-0.841	0.37	-30.39%	0.61%
50	29	0.063	-1.486	-1.55	-2450.89%	0.58%
50	30	-0.563	-0.795	-0.23	41.35%	0.39%
Max		0.197	0.437	1.30	1173.92%	3.25%
Average		-0.653	-1.069	-0.42	-365.95%	1.14%
Min		-2.773	-2.179	-1.95	-5977.93%	0.08%
Std Dev		0.808	0.765	0.73	1319.57%	0.79%



		TPD_MATCH_PP_GT8_LS					
Units		nS					
Max Limit		30					
Min Limit		-30					
krad	LL	Min	Average	Max	UL	UL	
0	-30.000	-1.927	-1.510	-1.223	30.000	30.000	
10	-30.000	-2.179	-1.144	-0.080	30.000	30.000	
20	-30.000	-1.938	-0.806	0.437	30.000	30.000	
30	-30.000	-2.020	-0.751	0.244	30.000	30.000	
40	-30.000	-1.874	-0.982	-0.034	30.000	30.000	
50	-30.000	-1.841	-1.238	-0.795	30.000	30.000	

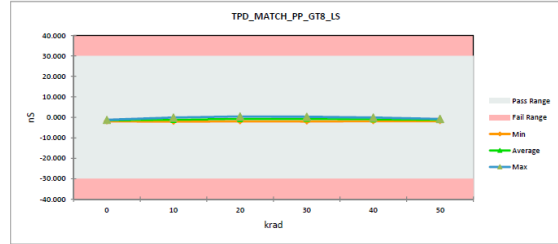
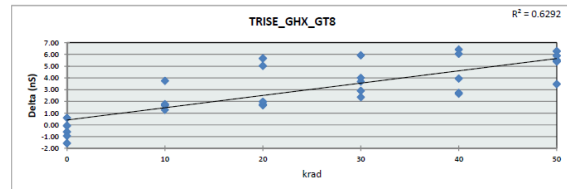


Figure 5-25. HDR_TPD_MATCH_PP_GT8_LS

TID Report
DRV8351-SEP

		TRISE_GHX_GT8				
Units		nS				
Max Limit		50				
Min Limit		10				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	26.660	26.580	-0.08	-0.30%	0.20%
0	2	25.920	26.510	0.59	2.28%	1.48%
0	3	26.160	25.570	-0.59	-2.26%	1.48%
0	4	26.820	25.260	-1.56	-5.82%	3.90%
0	5	26.120	25.180	-0.94	-3.60%	2.35%
10	6	26.000	27.280	1.28	4.92%	3.20%
10	7	25.640	27.360	1.72	6.71%	4.30%
10	8	25.530	27.180	1.65	6.46%	4.13%
10	9	24.590	28.340	3.75	15.25%	9.38%
10	10	25.440	27.200	1.76	6.92%	4.40%
20	11	26.060	27.720	1.66	6.37%	4.15%
20	12	25.120	30.150	5.03	20.02%	12.58%
20	13	26.010	27.760	1.75	6.73%	4.38%
20	14	24.700	30.360	5.66	22.91%	14.15%
20	15	26.370	28.340	1.97	7.47%	4.93%
30	16	26.250	28.610	2.36	8.99%	5.90%
30	17	26.050	31.970	5.92	22.73%	14.80%
30	18	25.990	29.670	3.68	14.16%	9.20%
30	19	26.990	30.990	4.00	14.82%	10.00%
30	20	25.720	28.860	3.19	11.13%	7.23%
40	21	26.660	29.300	2.64	9.90%	6.60%
40	22	25.600	32.010	6.41	25.04%	16.03%
40	23	25.930	29.880	3.95	15.23%	9.88%
40	24	26.520	32.560	6.04	22.78%	15.10%
40	25	26.450	29.170	2.72	10.28%	6.80%
50	26	26.400	31.910	5.51	20.87%	13.78%
50	27	26.150	32.420	6.27	23.98%	15.68%
50	28	25.710	31.100	5.39	20.96%	13.48%
50	29	26.300	32.190	5.89	22.40%	14.73%
50	30	26.030	29.500	3.47	13.33%	8.68%
Max		26.990	32.560	6.41	25.04%	16.03%
Average		26.005	29.031	3.03	11.69%	8.09%
Min		24.590	25.180	-1.56	-5.82%	0.20%
Std Dev		0.554	2.219	2.29	8.85%	4.93%



		TRISE_GHX_GT8					
Units		nS					
Max Limit		50					
Min Limit		10					
krad	LL	Min	Average	Max	UL	UL	
0	10.000	25.180	25.820	26.580	50.000	50.000	
10	10.000	27.180	27.472	28.340	50.000	50.000	
20	10.000	27.720	28.866	30.360	50.000	50.000	
30	10.000	28.610	30.020	31.970	50.000	50.000	
40	10.000	29.170	30.584	32.560	50.000	50.000	
50	10.000	29.500	31.424	32.420	50.000	50.000	

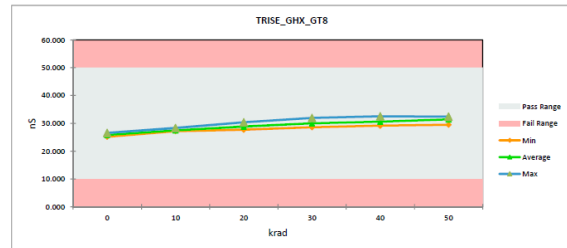
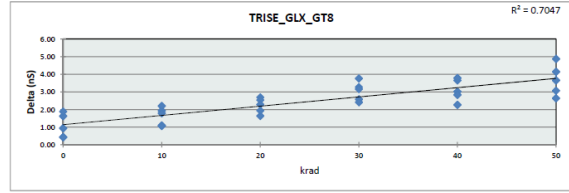


Figure 5-26. HDR_TRISE_GHX_GT8

TID Report
DRV8351-SEP

		TRISE_GLX_GT8				
Units		nS				
Max Limit		50				
Min Limit		10				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	35.080	36.700	1.62	4.62%	4.05%
0	2	36.090	36.530	0.44	1.22%	1.10%
0	3	35.620	36.560	0.94	2.64%	2.35%
0	4	35.910	36.340	0.43	1.20%	1.07%
0	5	34.680	36.560	1.88	5.42%	4.70%
10	6	34.490	36.420	1.93	5.60%	4.82%
10	7	36.060	37.160	1.10	3.05%	2.75%
10	8	34.370	36.160	1.79	5.21%	4.48%
10	9	36.110	37.180	1.07	2.96%	2.68%
10	10	34.140	36.340	2.20	6.44%	5.50%
20	11	34.520	37.210	2.69	7.79%	6.72%
20	12	36.340	37.980	1.64	4.51%	4.10%
20	13	34.620	37.160	2.54	7.34%	6.35%
20	14	36.410	38.350	1.94	5.33%	4.85%
20	15	34.820	37.110	2.29	6.58%	5.73%
30	16	34.460	37.730	3.27	9.49%	8.18%
30	17	36.140	38.720	2.58	7.14%	6.45%
30	18	34.510	38.270	3.76	10.90%	9.40%
30	19	36.300	38.710	2.41	6.64%	6.02%
30	20	34.810	37.670	2.86	8.22%	7.20%
40	21	35.800	38.060	2.26	6.31%	5.65%
40	22	36.250	39.260	3.01	8.30%	7.53%
40	23	34.520	38.170	3.65	10.57%	9.12%
40	24	36.310	39.140	2.83	7.79%	7.08%
40	25	34.410	38.590	4.18	12.15%	10.65%
50	26	34.730	38.870	4.14	11.92%	10.35%
50	27	35.570	39.230	3.66	10.29%	9.15%
50	28	36.380	39.450	3.07	8.44%	7.68%
50	29	34.570	39.440	4.87	14.09%	12.18%
50	30	35.510	38.150	2.64	7.43%	6.60%
Max		36.410	39.450	4.87	14.09%	12.18%
Average		35.331	37.784	2.45	6.97%	6.13%
Min		34.140	36.160	0.43	1.20%	1.07%
Std Dev		0.780	1.059	1.08	3.14%	2.71%



		TRISE_GLX_GT8					
Units		nS					
Max Limit		50					
Min Limit		10					
krad	LL	Min	Average	Max	UL		
0	10.000	36.340	36.538	36.700	50.000		
10	10.000	36.160	36.652	37.160	50.000		
20	10.000	37.110	37.562	38.350	50.000		
30	10.000	37.730	38.280	38.720	50.000		
40	10.000	38.060	38.644	39.260	50.000		
50	10.000	38.150	39.028	39.450	50.000		

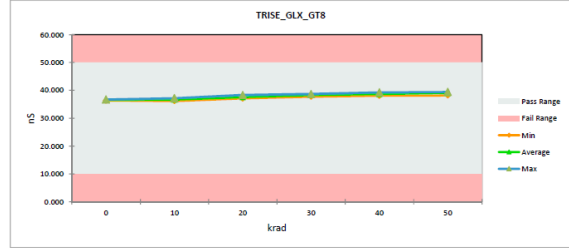
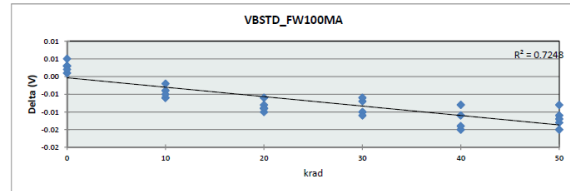


Figure 5-27. HDR_TRISE_GLX_GT8

TID Report
DRV8351-SEP

		VBSTD_FW100MA				
Units		V				
Max Limit		3.1				
Min Limit		2				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	2.276	2.279	0.00	0.13%	0.27%
0	2	2.293	2.296	0.00	0.13%	0.27%
0	3	2.306	2.311	0.00	0.22%	0.45%
0	4	2.322	2.323	0.00	0.04%	0.09%
0	5	2.330	2.328	-0.00	-0.08%	-0.18%
10	6	2.348	2.342	-0.01	-0.26%	-0.55%
10	7	2.349	2.347	0.00	-0.09%	0.18%
10	8	2.310	2.304	-0.01	-0.26%	-0.55%
10	9	2.328	2.324	0.00	-0.17%	-0.36%
10	10	2.321	2.316	-0.01	-0.22%	-0.45%
20	11	2.350	2.341	-0.01	-0.38%	-0.82%
20	12	2.339	2.333	-0.01	-0.26%	-0.55%
20	13	2.315	2.305	-0.01	-0.43%	-0.91%
20	14	2.330	2.322	-0.01	-0.34%	-0.73%
20	15	2.298	2.289	-0.01	-0.39%	-0.82%
30	16	2.343	2.333	-0.01	-0.43%	-0.91%
30	17	2.245	2.238	-0.01	-0.31%	-0.64%
30	18	2.252	2.242	-0.01	-0.44%	-0.91%
30	19	2.233	2.227	-0.01	-0.27%	-0.55%
30	20	2.258	2.247	-0.01	-0.49%	-1.00%
40	21	2.255	2.244	-0.01	-0.49%	-1.00%
40	22	2.245	2.237	-0.01	-0.36%	-0.73%
40	23	2.260	2.245	-0.01	-0.66%	-1.36%
40	24	2.266	2.258	-0.01	-0.35%	-0.73%
40	25	2.261	2.247	-0.01	-0.62%	-1.27%
50	26	2.256	2.241	-0.01	-0.66%	-1.36%
50	27	2.254	2.243	-0.01	-0.49%	-1.00%
50	28	2.259	2.251	-0.01	-0.35%	-0.73%
50	29	2.264	2.251	-0.01	-0.57%	-1.18%
50	30	2.260	2.248	-0.01	-0.53%	-1.09%
Max		2.350	2.347	0.00	0.22%	1.36%
Average		2.291	2.284	-0.01	-0.31%	-0.72%
Min		2.233	2.227	-0.01	-0.66%	-1.36%
Std Dev		0.038	0.041	0.01	0.24%	0.35%



		VBSTD_FW100MA					
Units		V					
Max Limit		3.1					
Min Limit		2					
krad	LL	Min	Average	Max	UL		
0	2.000	2.279	2.308	2.332	3.100		
10	2.000	2.304	2.327	2.347	3.100		
20	2.000	2.289	2.318	2.341	3.100		
30	2.000	2.227	2.257	2.333	3.100		
40	2.000	2.237	2.246	2.258	3.100		
50	2.000	2.241	2.251	2.258	3.100		

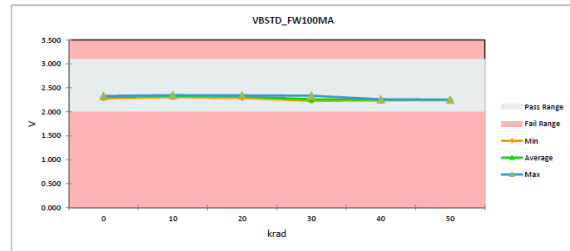
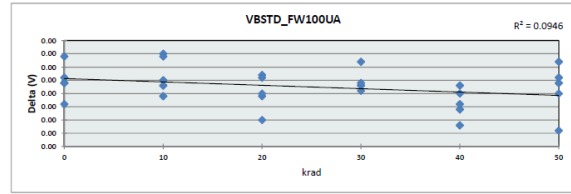


Figure 5-28. HDR_VBSTD_FW100MA

TID Report
DRV8351-SEP

VBSTD_FW100UA						
Units		V				
Max Limit		0.85				
Min Limit		0.45				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.613	0.613	0.00	-0.02%	0.02%
0	2	0.613	0.613	0.00	0.02%	0.02%
0	3	0.612	0.613	0.00	0.15%	0.23%
0	4	0.616	0.615	0.00	-0.15%	0.23%
0	5	0.615	0.614	0.00	-0.02%	0.03%
10	6	0.613	0.613	0.00	-0.03%	0.05%
10	7	0.614	0.615	0.00	0.16%	0.25%
10	8	0.613	0.613	0.00	0.00%	0.00%
10	9	0.613	0.614	0.00	0.15%	0.23%
10	10	0.612	0.612	0.00	-0.10%	0.15%
20	11	0.612	0.612	0.00	-0.10%	0.15%
20	12	0.615	0.615	0.00	0.03%	0.05%
20	13	0.612	0.611	0.00	-0.08%	0.13%
20	14	0.613	0.613	0.00	0.02%	0.02%
20	15	0.612	0.610	0.00	-0.25%	0.38%
30	16	0.612	0.612	0.00	-0.03%	0.05%
30	17	0.610	0.609	0.00	-0.07%	0.10%
30	18	0.607	0.607	0.00	-0.03%	0.05%
30	19	0.609	0.610	0.00	0.11%	0.18%
30	20	0.610	0.610	0.00	-0.02%	0.02%
40	21	0.610	0.610	0.00	-0.08%	0.12%
40	22	0.610	0.610	0.00	-0.03%	0.05%
40	23	0.609	0.608	0.00	-0.18%	0.27%
40	24	0.611	0.610	0.00	-0.15%	0.23%
40	25	0.610	0.608	0.00	-0.25%	0.43%
50	26	0.611	0.611	0.00	-0.02%	0.02%
50	27	0.609	0.609	0.00	0.12%	0.17%
50	28	0.612	0.610	0.00	-0.31%	0.48%
50	29	0.610	0.610	0.00	0.02%	0.03%
50	30	0.609	0.608	0.00	-0.08%	0.13%
Max		0.616	0.615	0.00	0.16%	0.48%
Average		0.611	0.611	0.00	-0.04%	0.14%
Min		0.607	0.607	0.00	-0.31%	0.48%
Std Dev		0.002	0.002	0.00	0.12%	0.13%



VBSTD_FW100UA						
Units		V				
Max Limit		0.85				
Min Limit		0.45				
krad	LL	Min	Average	Max	UL	
0	0.450	0.613	0.613	0.615	0.850	
10	0.450	0.612	0.613	0.615	0.850	
20	0.450	0.610	0.612	0.615	0.850	
30	0.450	0.607	0.609	0.610	0.850	
40	0.450	0.608	0.609	0.610	0.850	
50	0.450	0.608	0.610	0.611	0.850	

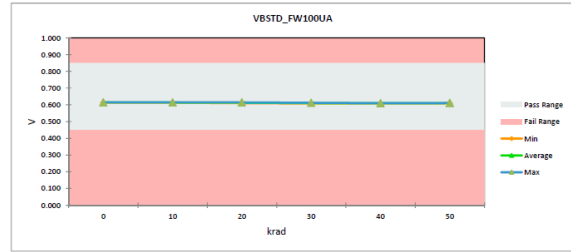
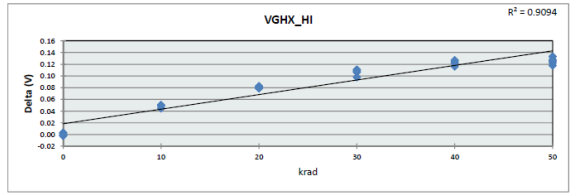


Figure 5-29. HDR_VBSTD_FW100UA

TID Report
DRV8351-SEP

VGHX_HI						
Units		V				
Max Limit		1.2				
Min Limit		0.3				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.693	0.692	0.00	-0.16%	0.12%
0	2	0.691	0.694	0.00	0.42%	0.32%
0	3	0.697	0.695	0.00	-0.29%	0.22%
0	4	0.693	0.696	0.00	0.45%	0.34%
0	5	0.698	0.698	0.00	-0.09%	0.07%
10	6	0.703	0.752	0.05	6.98%	5.44%
10	7	0.698	0.743	0.04	6.42%	4.98%
10	8	0.697	0.748	0.05	7.23%	5.60%
10	9	0.693	0.743	0.05	7.23%	5.57%
10	10	0.699	0.748	0.05	7.02%	5.46%
20	11	0.702	0.784	0.08	11.79%	9.19%
20	12	0.702	0.782	0.08	11.32%	8.83%
20	13	0.700	0.780	0.08	11.51%	8.94%
20	14	0.697	0.777	0.08	11.43%	8.86%
20	15	0.701	0.780	0.08	11.32%	8.82%
30	16	0.704	0.802	0.10	13.91%	10.85%
30	17	0.690	0.801	0.11	16.06%	12.31%
30	18	0.694	0.803	0.11	15.82%	12.19%
30	19	0.686	0.793	0.11	15.47%	11.80%
30	20	0.696	0.804	0.11	15.50%	11.89%
40	21	0.696	0.819	0.12	17.65%	13.64%
40	22	0.690	0.807	0.12	16.85%	12.92%
40	23	0.696	0.822	0.13	18.09%	13.99%
40	24	0.694	0.820	0.13	18.28%	14.09%
40	25	0.694	0.816	0.12	17.49%	13.49%
50	26	0.698	0.816	0.12	16.86%	13.08%
50	27	0.696	0.822	0.13	18.03%	13.94%
50	28	0.695	0.828	0.13	19.16%	14.79%
50	29	0.697	0.819	0.12	17.55%	13.59%
50	30	0.696	0.823	0.13	18.36%	14.12%
Max		0.704	0.828	0.13	19.16%	14.79%
Average		0.696	0.777	0.08	11.59%	8.99%
Min		0.686	0.692	0.00	-0.29%	0.07%
Std Dev		0.004	0.045	0.05	6.54%	4.99%



VGHX_HI						
Units		V				
Max Limit		1.2				
Min Limit		0.3				
krad	LL	Min	Average	Max	UL	
0	0.300	0.692	0.695	0.698	1.200	
10	0.300	0.743	0.747	0.752	1.200	
20	0.300	0.777	0.781	0.784	1.200	
30	0.300	0.793	0.800	0.804	1.200	
40	0.300	0.807	0.817	0.822	1.200	
50	0.300	0.816	0.822	0.828	1.200	

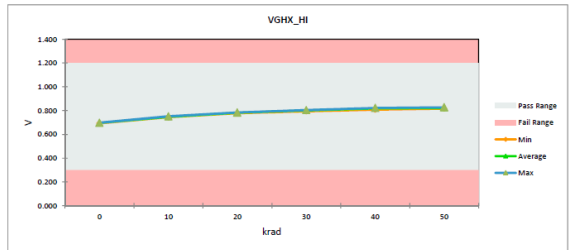
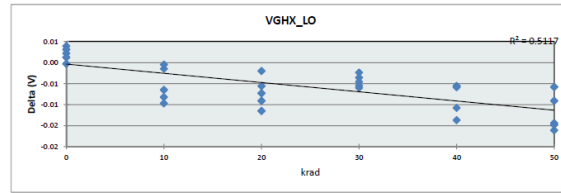


Figure 5-30. HDR_VGZX_HI

TID Report
DRV8351-SEP

		VGHX_LO				
Units		V				
Max Limit		0.35				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.178	0.182	0.00	2.19%	1.11%
0	2	0.182	0.184	0.00	1.21%	0.63%
0	3	0.181	0.184	0.00	1.72%	0.89%
0	4	0.183	0.183	0.00	-0.16%	0.09%
0	5	0.183	0.184	0.00	0.55%	0.34%
10	6	0.197	0.187	-0.01	-4.93%	-2.77%
10	7	0.185	0.183	0.00	-0.81%	0.43%
10	8	0.191	0.185	-0.01	-3.40%	-1.86%
10	9	0.186	0.185	0.00	-0.27%	0.14%
10	10	0.193	0.185	-0.01	-4.26%	-2.34%
20	11	0.195	0.186	-0.01	-4.68%	-2.60%
20	12	0.188	0.186	0.00	-1.06%	0.57%
20	13	0.194	0.183	-0.01	-5.92%	-3.29%
20	14	0.188	0.180	-0.01	-3.99%	-2.09%
20	15	0.192	0.187	-0.01	-2.91%	-1.60%
30	16	0.192	0.187	-0.01	-2.86%	-1.57%
30	17	0.184	0.181	0.00	-1.31%	0.69%
30	18	0.183	0.177	-0.01	-3.07%	-1.60%
30	19	0.182	0.179	0.00	-1.97%	-1.03%
30	20	0.188	0.183	0.00	-2.45%	-1.31%
40	21	0.187	0.182	-0.01	-2.99%	-1.60%
40	22	0.183	0.177	-0.01	-3.07%	-1.60%
40	23	0.191	0.180	-0.01	-5.65%	-3.09%
40	24	0.183	0.177	-0.01	-3.23%	-1.69%
40	25	0.190	0.176	-0.01	-7.21%	-3.91%
50	26	0.189	0.175	-0.01	-7.61%	-4.11%
50	27	0.192	0.176	-0.02	-8.38%	-4.60%
50	28	0.183	0.177	-0.01	-3.17%	-1.66%
50	29	0.191	0.176	-0.01	-7.77%	-4.23%
50	30	0.189	0.180	-0.01	-4.81%	-2.60%
50	31	0.197	0.187	0.00	2.19%	1.11%
Max	Average	0.188	0.182	-0.01	-3.07%	-1.87%
Min		0.178	0.175	-0.02	-8.38%	-4.60%
Std Dev		0.005	0.004	0.01	2.80%	1.26%



		VGHX_LO				
Units		V				
Max Limit		0.35				
Min Limit		0				
krad	LL	Min	Average	Max	UL	
0	0.000	0.182	0.183	0.184	0.350	
10	0.000	0.183	0.185	0.184	0.350	
20	0.000	0.180	0.183	0.183	0.350	
30	0.000	0.179	0.183	0.182	0.350	
40	0.000	0.176	0.178	0.182	0.350	
50	0.000	0.175	0.177	0.180	0.350	

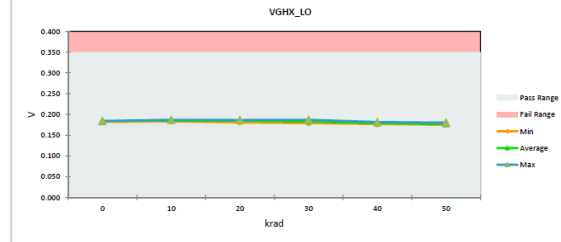
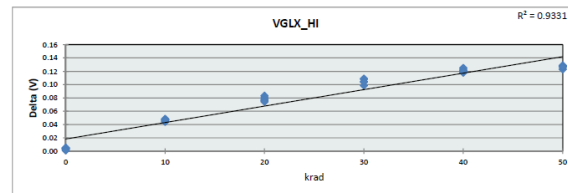


Figure 5-31. HDR_VGHX_LO

TID Report
DRV8351-SEP

		VGLX_HI				
Units		V				
Max Limit		1.2				
Min Limit		0.3				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.719	0.724	0.01	0.70%	0.56%
0	2	0.720	0.724	0.00	0.57%	0.46%
0	3	0.721	0.725	0.00	0.46%	0.37%
0	4	0.722	0.727	0.01	0.69%	0.56%
0	5	0.725	0.726	0.00	0.18%	0.14%
10	6	0.725	0.773	0.05	6.68%	5.38%
10	7	0.723	0.770	0.05	6.49%	5.21%
10	8	0.723	0.767	0.04	6.12%	4.91%
10	9	0.722	0.770	0.05	6.56%	5.27%
10	10	0.723	0.769	0.05	6.29%	5.06%
20	11	0.725	0.808	0.08	11.49%	9.26%
20	12	0.726	0.806	0.08	11.05%	8.91%
20	13	0.724	0.799	0.08	10.48%	8.42%
20	14	0.727	0.805	0.08	10.67%	8.62%
30	15	0.724	0.798	0.07	10.28%	8.27%
30	16	0.726	0.825	0.10	13.56%	10.94%
30	17	0.719	0.827	0.11	15.14%	12.09%
30	18	0.721	0.825	0.10	14.44%	11.57%
30	19	0.719	0.827	0.11	15.07%	12.03%
30	20	0.720	0.824	0.10	14.48%	11.58%
40	21	0.720	0.842	0.12	16.92%	13.53%
40	22	0.718	0.836	0.12	16.41%	13.10%
40	23	0.724	0.844	0.12	16.51%	13.29%
40	24	0.722	0.847	0.12	17.28%	13.87%
40	25	0.719	0.839	0.12	16.75%	13.38%
50	26	0.721	0.844	0.12	17.07%	13.67%
50	27	0.720	0.849	0.13	17.78%	14.23%
50	28	0.721	0.849	0.13	17.70%	14.19%
50	29	0.721	0.850	0.13	17.87%	14.31%
50	30	0.719	0.845	0.13	17.56%	14.03%
Max	Average	0.727	0.850	0.13	17.87%	14.31%
Min		0.722	0.802	0.08	11.11%	8.91%
Std Dev		0.018	0.044	0.00	0.14%	0.11%



		VGLX_HI				
Units		V				
Max Limit		1.2				
Min Limit		0.3				
krad	LL	Min	Average	Max	UL	
0	0.300	0.724	0.725	0.726	1.200	
10	0.300	0.767	0.770	0.773	1.200	
20	0.300	0.798	0.803	0.806	1.200	
30	0.300	0.824	0.826	0.827	1.200	
40	0.300	0.836	0.842	0.847	1.200	
50	0.300	0.844	0.847	0.850	1.200	

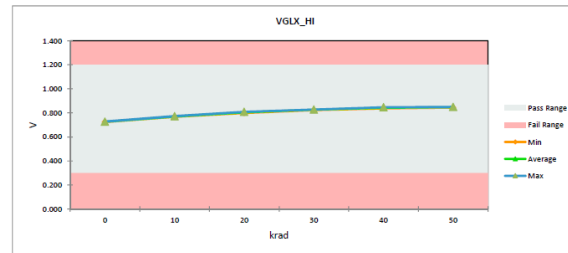
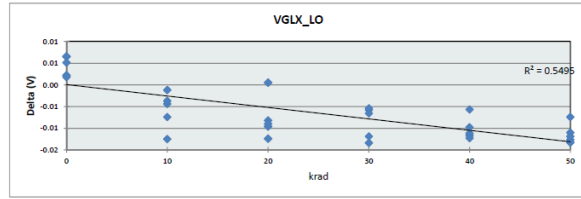


Figure 5-32. HDR_VGLX_HI

TID Report
DRV8351-SEP

		VGLX_LO				
Units		V				
Max Limit		0.35				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	0.187	0.189	0.00	1.18%	0.63%
0	2	0.187	0.193	0.01	3.48%	1.86%
0	3	0.187	0.189	0.00	0.96%	0.51%
0	4	0.189	0.195	0.01	3.45%	1.86%
0	5	0.190	0.195	0.01	2.68%	1.46%
10	6	0.193	0.189	0.00	-2.28%	-1.26%
10	7	0.190	0.189	0.00	-0.53%	-0.34%
10	8	0.192	0.185	-0.01	-3.85%	-2.11%
10	9	0.193	0.189	0.00	-1.92%	-1.06%
10	10	0.198	0.185	-0.01	-6.33%	-3.57%
20	11	0.193	0.193	0.00	0.25%	0.14%
20	12	0.194	0.185	-0.01	-4.24%	-2.34%
20	13	0.194	0.184	-0.01	-4.96%	-2.74%
20	14	0.195	0.183	-0.01	-6.35%	-3.54%
20	15	0.194	0.184	-0.01	-4.66%	-2.57%
30	16	0.194	0.189	-0.01	-2.98%	-1.56%
30	17	0.190	0.183	-0.01	-3.47%	-1.89%
30	18	0.194	0.182	-0.01	-6.13%	-3.40%
30	19	0.188	0.182	-0.01	-2.88%	-1.54%
30	20	0.195	0.181	-0.01	-6.88%	-3.63%
40	21	0.192	0.180	-0.01	-6.10%	-3.34%
40	22	0.191	0.180	-0.01	-5.86%	-3.20%
40	23	0.193	0.181	-0.01	-6.37%	-3.51%
40	24	0.188	0.182	-0.01	-3.04%	-1.63%
40	25	0.188	0.178	-0.01	-5.21%	-2.80%
50	26	0.191	0.178	-0.01	-6.65%	-3.63%
50	27	0.193	0.179	-0.01	-6.91%	-3.80%
50	28	0.188	0.180	-0.01	-3.95%	-2.11%
50	29	0.190	0.179	-0.01	-5.90%	-3.14%
50	30	0.192	0.180	-0.01	-6.20%	-3.40%
50	31	0.198	0.195	0.01	3.48%	3.83%
50	32	0.191	0.185	-0.01	-3.39%	-2.30%
50	33	0.187	0.178	-0.01	-6.91%	-3.74%
50	34	0.003	0.005	0.01	3.22%	1.12%
Max		0.198	0.195	0.01	3.48%	3.83%
Average		0.191	0.185	-0.01	-3.39%	-2.30%
Min		0.187	0.178	-0.01	-6.91%	-3.74%
Std Dev		0.003	0.005	0.01	3.22%	1.12%



		VGLX_LO					
Units		V					
Max Limit		0.35					
Min Limit		0					
krad	UL	0	10	20	30	40	50
Min		0.000	0.000	0.000	0.000	0.000	0.000
Average		0.192	0.187	0.186	0.184	0.180	0.179
Max		0.195	0.189	0.193	0.189	0.182	0.180
UL		0.350	0.350	0.350	0.350	0.350	0.350

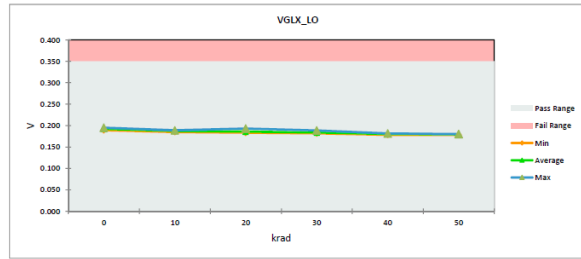
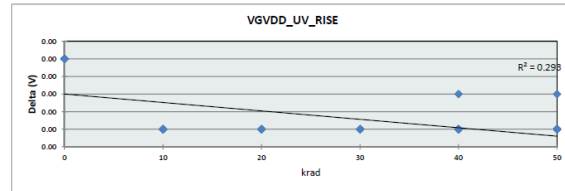


Figure 5-33. HDR_VGLX_LO

TID Report
DRV8351-SEP

		VGDD_UV_RISE				
Units		V				
Max Limit		4.7				
Min Limit		4.45				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	4.679	4.680	0.00	0.02%	0.40%
0	2	4.679	4.680	0.00	0.02%	0.40%
0	3	4.679	4.680	0.00	0.02%	0.40%
0	4	4.679	4.680	0.00	0.02%	0.40%
0	5	4.679	4.680	0.00	0.02%	0.40%
10	6	4.680	4.679	0.00	-0.02%	0.40%
10	7	4.680	4.679	0.00	-0.02%	0.40%
10	8	4.680	4.679	0.00	-0.02%	0.40%
10	9	4.680	4.679	0.00	-0.02%	0.40%
10	10	4.680	4.679	0.00	-0.02%	0.40%
20	11	4.680	4.679	0.00	-0.02%	0.40%
20	12	4.680	4.679	0.00	-0.02%	0.40%
20	13	4.680	4.679	0.00	-0.02%	0.40%
20	14	4.680	4.679	0.00	-0.02%	0.40%
20	15	4.680	4.679	0.00	-0.02%	0.40%
30	16	4.680	4.679	0.00	-0.02%	0.40%
30	17	4.680	4.679	0.00	-0.02%	0.40%
30	18	4.680	4.679	0.00	-0.02%	0.40%
30	19	4.680	4.679	0.00	-0.02%	0.40%
30	20	4.680	4.679	0.00	-0.02%	0.40%
40	21	4.680	4.679	0.00	-0.02%	0.40%
40	22	4.680	4.679	0.00	-0.02%	0.40%
40	23	4.680	4.680	0.00	0.00%	0.00%
40	24	4.680	4.679	0.00	-0.02%	0.40%
40	25	4.680	4.679	0.00	-0.02%	0.40%
50	26	4.680	4.679	0.00	-0.02%	0.40%
50	27	4.680	4.679	0.00	-0.02%	0.40%
50	28	4.680	4.679	0.00	-0.02%	0.40%
50	29	4.680	4.679	0.00	-0.02%	0.40%
50	30	4.680	4.680	0.00	0.00%	0.00%
50	31	4.680	4.680	0.00	0.02%	0.40%
50	32	4.680	4.679	0.00	-0.01%	0.37%
50	33	4.679	4.679	0.00	-0.02%	0.00%
50	34	0.000	0.000	0.00	0.02%	0.10%
Max		4.680	4.680	0.00	0.02%	0.40%
Average		4.680	4.679	0.00	-0.01%	0.37%
Min		4.679	4.679	0.00	-0.02%	0.00%
Std Dev		0.000	0.000	0.00	0.02%	0.10%



		VGDD_UV_RISE					
Units		V					
Max Limit		4.7					
Min Limit		4.45					
krad	UL	0	10	20	30	40	50
Min		4.450	4.450	4.450	4.450	4.450	4.450
Average		4.680	4.679	4.679	4.679	4.679	4.679
Max		4.680	4.679	4.679	4.679	4.680	4.680
UL		4.700	4.700	4.700	4.700	4.700	4.700

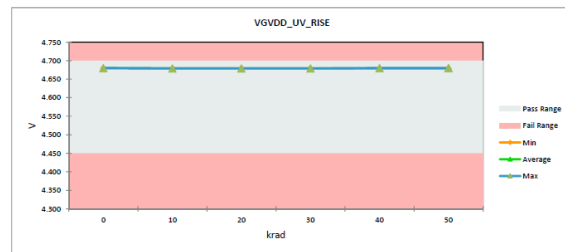
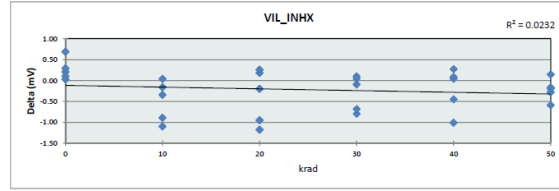


Figure 5-34. HDR_VGDD_UV_RISE

TID Report
DRV8351-SEP

		VIL_INHX				
Units		mV				
Max Limit		800				
Min Limit		0				
krad	Serial #	PreTestHDR	PostTestHDR	Delta	Delta %	% of Limit Range
0	1	-0.505	-0.303	0.20	-40.02%	0.03%
0	2	-0.758	-0.655	0.10	-13.58%	0.01%
0	3	-0.505	-0.215	0.29	-57.45%	0.04%
0	4	-0.959	-0.274	0.69	-71.47%	0.09%
0	5	-0.446	-0.420	0.03	-5.89%	0.00%
10	6	-0.689	-0.652	0.04	-5.39%	0.00%
10	7	-0.039	-1.138	-1.10	2815.71%	0.14%
10	8	-0.750	-1.091	-0.34	45.39%	0.04%
10	9	-0.274	-1.164	-0.89	325.44%	0.11%
10	10	-0.741	-0.902	-0.16	-21.74%	0.02%
20	11	-0.659	-0.476	0.18	-27.85%	0.02%
20	12	-0.188	-1.138	-0.95	506.29%	0.12%
20	13	-1.014	-0.755	0.26	-25.54%	0.03%
20	14	-0.046	-1.222	-1.18	2542.73%	0.15%
20	15	-0.689	-0.886	-0.20	-28.67%	0.02%
30	16	-0.864	-0.769	0.10	-11.05%	0.01%
30	17	-0.332	-1.127	-0.79	239.25%	0.10%
30	18	-0.894	-0.989	-0.10	10.72%	0.01%
30	19	-0.420	-1.105	-0.68	163.03%	0.09%
30	20	-0.604	-0.564	0.04	-6.69%	0.01%
40	21	-0.659	-0.388	0.27	-41.18%	0.03%
40	22	0.020	-0.988	-1.01	-5142.86%	0.13%
40	23	-0.926	-0.886	0.04	-4.33%	0.01%
40	24	-0.655	-1.105	-0.45	68.78%	0.06%
40	25	-0.689	-0.609	0.08	-11.63%	0.01%
50	26	-0.770	-0.959	-0.19	-24.59%	0.02%
50	27	-0.926	-0.784	0.14	-15.39%	0.02%
50	28	-0.567	-0.844	-0.28	48.95%	0.03%
50	29	-0.663	-1.252	-0.59	88.98%	0.07%
50	30	-0.659	-0.827	-0.17	-25.50%	0.02%
	Max	0.020	-0.215	0.69	2815.71%	0.15%
	Average	-0.596	-0.816	-0.22	49.18%	0.05%
	Min	-1.014	-1.252	-1.18	-5142.86%	0.09%
	Std Dev	0.278	0.303	0.48	1192.65%	0.04%



		VIL_INHX				
Units		mV				
Max Limit		800				
Min Limit		0				
krad	LL	Min	Average	Max	UL	
0	0.000	-0.655	-0.373	-0.215	800.000	
10	0.000	-1.164	-0.989	-0.652	800.000	
20	0.000	-1.222	-0.895	-0.476	800.000	
30	0.000	-1.127	-0.911	-0.564	800.000	
40	0.000	-1.105	-0.795	-0.388	800.000	
50	0.000	-1.252	-0.933	-0.784	800.000	

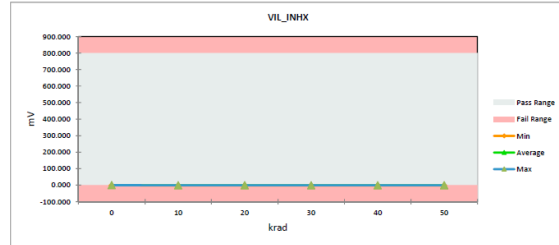


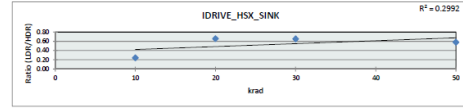
Figure 5-35. HDR_VIL_INHX

6 Appendix: ELDRS TID Report Data

This appendix provides the DRV8351-SEP TID ELDRS report. The report shows the variation for each parameter up to 30krad(Si). The parameters showing a ratio of LDR/HDR greater than 1.5 is due to the resolution and repeatability of the measurements on the ATE tester and is not a concern for the ELDRS study.

ELDRS Report
DRV8351-SEP

IDRIVE_HSX_SINK										
Units		mA								
Max Limit		2100								
Min Limit		850								
krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio LDR/HDR
10	6	1506.000	1577.000	1584.000	1572.000	71.00	18.00	74.00	18.00	0.24
10	7	1496.000	1573.000	1570.000	1570.000	1601.000	77.00	31.00		
10	8	1532.000	1606.000	1535.000	1553.000	74.00	18.00			
10	9	1504.000	1577.000	1525.000	1556.000	73.00	31.00			
10	10	1543.000	1577.000	1550.000	1572.000	29.00	14.00			
20	11	1511.000	1594.000	1565.000	1635.000	62.00	70.00	88.00	88.00	0.66
20	12	1499.000	1597.000	1541.000	1573.000	88.00	32.00			
20	13	1553.000	1623.000	1575.000	1631.000	90.00	54.00			
20	14	1504.000	1601.000	1524.000	1582.000	97.00	58.00			
20	15	1538.000	1622.000	1570.000	1634.000	84.00	64.00			
30	16	1516.000	1603.000	1584.000	1643.000	92.00	59.00	92.00	60.00	0.65
30	17	1552.000	1646.000	1563.000	1633.000	94.00	70.00			
30	18	1563.000	1648.000	1577.000	1640.000	85.00	63.00			
30	19	1547.000	1656.000	1575.000	1633.000	109.00	60.00			
30	20	1571.000	1652.000	1588.000	1637.000	81.00	49.00			
50	26	1517.000	1693.000	1516.000	1693.000	122.00	75.00	110.00	64.00	0.58
50	27	1567.000	1672.000	1553.000	1617.000	105.00	64.00			
50	28	1561.000	1673.000	1568.000	1640.000	112.00	72.00			
50	29	1563.000	1669.000	1578.000	1642.000	106.00	64.00			
50	30	1586.000	1696.000	1579.000	1615.000	110.00	36.00			
50	31	1585.000	1696.000	1588.000	1644.000	122.00	75.00			
Max	Average	1537.200	1628.500	1559.900	1610.050	91.30	50.15			
Min		1496.000	1573.000	1516.000	1553.000	71.00	13.00			
Std Dev		28.500	39.914	21.118	31.614	15.000	70.001			



IDRIVE_HSX_SINK				
Units: mA				
Max Limit: 2100				
Min Limit: 850				
krad	LL	Min	Average	Max
10	850.000	1553.000	1578.500	1578.500
20	850.000	1573.000	1608.200	1608.200
30	850.000	1606.000	1635.900	1635.900
50	850.000	1591.000	1650.800	1650.800
UL	2100.000	2100.000	2100.000	2100.000

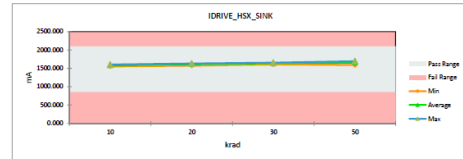
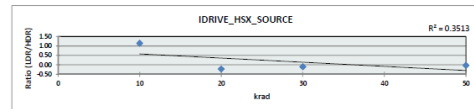


Figure 6-1. ELDRS_IDRIVE_HSX_SINK

ELDRS Report
DRV8351-SEP

IDRIVE_HSX_SOURCE										
Units		mA								
Max Limit		1200								
Min Limit		400								
krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio LDR/HDR
10	6	646.600	651.500	665.400	665.300	-3.90	-0.10	2.90	3.30	1.14
10	7	687.900	670.700	685.800	689.100	-17.20	3.30			
10	8	658.700	662.800	676.600	680.300	4.10	3.70			
10	9	680.800	673.200	682.000	684.100	-9.60	2.10			
10	10	644.400	664.000	677.900	686.600	-11.60	8.70			
20	11	638.600	654.000	657.100	686.300	15.40	-3.00	7.90	-1.70	-0.22
20	12	678.500	670.700	685.300	682.800	-8.30	17.50			
20	13	643.600	652.800	690.800	685.000	9.20	-5.80			
20	14	674.000	675.700	682.000	680.300	1.70	-1.70			
20	15	644.900	652.800	688.300	680.000	7.90	-8.30			
30	16	643.600	652.800	684.100	684.600	9.20	0.50	7.90	-0.80	-0.10
30	17	667.900	674.500	690.800	680.600	-13.40	-2.30			
30	18	639.900	657.800	685.400	684.600	17.90	-0.80			
30	19	686.600	679.500	687.100	684.800	-7.10	-2.30			
30	20	647.400	655.300	679.100	691.100	7.90	13.00			
50	26	641.100	683.300	683.300	678.800	4.20	-4.50	29.60	-0.80	-0.03
50	27	637.300	680.800	684.100	685.000	43.50	0.90			
50	28	681.600	681.400	689.600	688.800	-0.20	-0.80			
50	29	656.200	685.800	674.100	687.500	29.60	13.40			
50	30	646.400	655.300	686.300	680.000	12.90	-8.30			
Max	Average	687.900	685.800	690.800	691.100	43.50	17.50			
Min		637.300	656.755	683.355	684.600	8.51	1.33			
Std Dev		19.425	14.072	6.287	3.469	16.70	6.91			



IDRIVE_HSX_SOURCE				
Units: mA				
Max Limit: 1200				
Min Limit: 400				
krad	LL	Min	Average	Max
10	400.000	651.500	674.750	651.500
20	400.000	652.800	672.040	652.800
30	400.000	652.800	675.360	652.800
50	400.000	650.800	680.670	650.800
UL	1200.000	1200.000	1200.000	1200.000

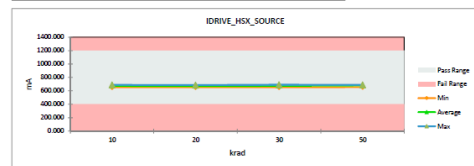


Figure 6-2. ELDRS_IDRIVE_HSX_SOURCE

Appendix: ELDRS TID Report Data

ELDRS Report
DRV8351-SEP

		IGVDD_STANDBY								
Units		uA								
Max Limit		1500								
Min Limit		400								
Krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio LDR/HDR
10	6	1127.000	1125.000	1133.000	1131.000	-2.00	-2.00	-3.00	0.00	0.00
10	7	1123.000	1121.000	1123.000	1124.000	-2.00	1.00	-2.00	0.00	
10	8	1136.000	1134.000	1136.000	1135.000	-2.00	0.00	-2.00	0.00	
10	9	1127.000	1127.000	1142.000	1141.000	0.00	-1.00	0.00	0.00	
10	10	1124.000	1126.000	1130.000	1140.000	-2.00	0.00	-4.00	-4.00	1.33
20	11	1127.000	1123.000	1144.000	1140.000	-4.00	-4.00	-3.00	-4.00	
20	12	1143.000	1142.000	1130.000	1128.000	-1.00	-2.00	-1.00	-2.00	
20	13	1131.000	1128.000	1124.000	1119.000	-3.00	-5.00	-3.00	-5.00	
20	14	1135.000	1131.000	1141.000	1132.000	-1.00	-9.00	-1.00	-9.00	
20	15	1131.000	1128.000	1104.000	1102.000	-3.00	-2.00	-4.00	-4.00	1.00
30	16	1132.000	1128.000	1149.000	1147.000	-4.00	-3.00	-4.00	-3.00	
30	17	1082.000	1075.000	1130.000	1126.000	-7.00	-4.00	-4.00	-4.00	
30	18	1097.000	1096.000	1155.000	1151.000	-1.00	-4.00	-1.00	-4.00	
30	19	1097.000	1094.000	1120.000	1117.000	-3.00	-3.00	-3.00	-3.00	
30	20	1116.000	1111.000	1149.000	1145.000	-5.00	-4.00	-5.00	-4.00	
50	26	1156.000	1145.000	1132.000	1135.000	-309.00	3.00	-125.00	-3.00	-0.02
50	27	1140.000	1147.000	1138.000	1135.000	107.00	-3.00	107.00	-3.00	
50	28	1135.000	1126.000	1142.000	1138.000	-125.00	-4.00	-125.00	-4.00	
50	29	1145.000	1129.000	1112.000	1099.000	105.00	-3.00	105.00	-3.00	
50	30	1116.000	1124.000	1113.000	1109.000	178.00	-4.00	178.00	-4.00	
50	30	1156.000	1145.000	1155.000	1151.000	-309.00	3.00	-309.00	3.00	
50	Average	1129.700	1124.900	1132.000	1132.000	-10.00	-2.60	-10.00	-2.60	
50	Min	1082.000	1075.000	1104.000	1102.000	-7.00	-9.00	-7.00	-9.00	
50	Std Dev	17.625	93.481	13.516	13.438	61.19	7.52	61.19	7.52	

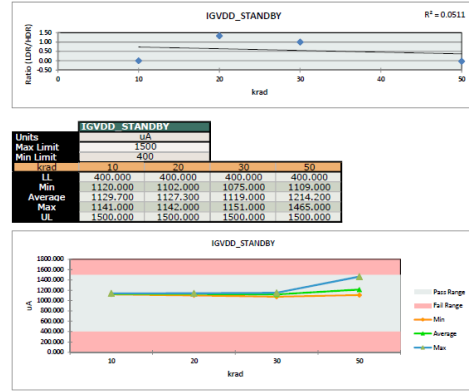


Figure 6-6. ELDRS_IGVDD_STANDBY

ELDRS Report
DRV8351-SEP

		IIH_INHX								
Units		uA								
Max Limit		30								
Min Limit		5								
Krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio LDR/HDR
10	6	21.000	21.130	20.620	20.650	0.13	0.23	0.13	0.23	1.77
10	7	21.130	20.960	20.360	20.540	-0.17	0.18	-0.17	0.18	
10	8	20.660	20.830	20.760	21.060	0.17	0.30	0.17	0.30	
10	9	21.070	21.010	20.670	20.900	-0.06	0.23	-0.06	0.23	
10	10	20.810	20.880	20.660	20.750	-0.17	0.09	-0.17	0.09	
20	11	20.470	20.610	20.850	20.690	0.14	-0.16	0.13	-0.10	-0.77
20	12	21.010	20.850	20.790	20.830	-0.16	-0.10	-0.16	-0.10	
20	13	20.560	20.690	20.500	20.560	0.13	-0.04	0.13	-0.04	
20	14	21.010	20.850	20.770	20.710	-0.16	-0.06	-0.16	-0.06	
20	15	20.380	20.530	19.330	19.540	-0.11	-0.11	-0.11	-0.11	
30	16	20.780	20.950	20.420	20.330	0.17	-0.09	0.07	-0.11	-1.57
30	17	18.860	18.930	20.320	20.210	0.07	-0.11	0.07	-0.11	
30	18	19.720	19.770	20.590	20.460	-0.06	-0.11	-0.06	-0.11	
30	19	19.610	19.580	20.530	20.380	-0.23	-0.15	-0.23	-0.15	
30	20	19.830	20.020	20.690	20.440	0.14	-0.26	0.14	-0.26	
50	26	20.495	20.650	21.070	20.970	0.20	-0.40	0.21	-0.15	-0.71
50	27	20.650	20.870	20.410	20.180	0.22	-0.23	0.22	-0.23	
50	28	20.590	20.800	20.650	20.540	0.21	-0.11	0.21	-0.11	
50	29	20.650	20.860	20.310	20.160	0.21	-0.15	0.21	-0.15	
50	30	20.300	20.540	20.780	20.150	0.24	0.13	0.24	0.13	
50	30	21.130	21.070	21.650	21.650	0.25	0.20	0.25	0.20	
50	Average	20.492	20.578	20.526	20.459	0.09	-0.07	0.09	-0.07	
50	Min	18.860	18.930	19.330	19.240	-0.23	-0.40	-0.23	-0.40	
50	Std Dev	0.860	0.865	0.847	0.868	0.16	0.18	0.16	0.18	

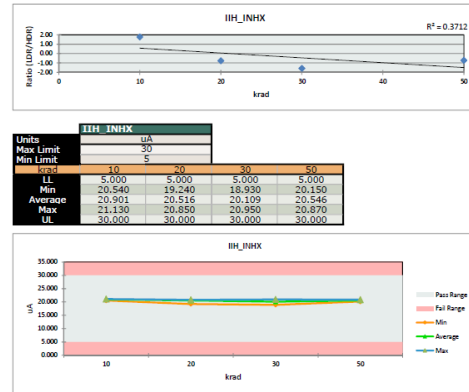


Figure 6-7. ELDRS_IIH_INHX

ELDRS Report
DRV8351-SEP

		IIL_INHX								
Units		uA								
Max Limit		1								
Min Limit		-1								
Krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio LDR/HDR
10	6	0.059	0.142	0.049	0.247	0.08	0.20	-0.02	0.08	-5.01
10	7	0.248	0.130	0.095	0.161	-0.12	0.08	-0.12	0.08	
10	8	0.078	0.133	0.146	0.223	0.06	0.08	0.06	0.08	
10	9	0.307	0.149	0.121	0.216	-0.15	0.09	-0.15	0.09	
10	10	0.099	0.064	0.142	0.151	-0.04	0.03	-0.04	0.03	
20	11	0.058	0.109	0.097	0.023	0.04	-0.07	0.04	-0.10	-2.44
20	12	0.226	0.109	0.127	-0.064	-0.12	-0.21	-0.12	-0.21	
20	13	0.042	0.143	0.116	0.013	0.10	-0.10	0.10	-0.10	
20	14	0.214	0.142	0.106	0.007	-0.07	-0.10	-0.07	-0.10	
20	15	0.096	0.180	0.080	-0.068	0.02	-0.09	0.02	-0.09	
30	16	0.061	0.101	0.080	0.078	0.04	-0.01	0.04	-0.06	-1.60
30	17	0.194	0.122	0.112	0.045	-0.06	-0.07	-0.06	-0.07	
30	18	0.074	0.123	0.111	0.085	-0.06	-0.03	-0.06	-0.03	
30	19	0.268	0.115	0.102	0.032	-0.15	-0.07	-0.15	-0.07	
30	20	0.049	0.108	0.109	0.048	0.06	-0.06	0.06	-0.06	
50	26	0.077	0.148	0.143	0.107	0.07	-0.04	0.07	-0.04	-0.63
50	27	0.062	0.137	0.094	0.025	0.08	-0.07	0.08	-0.07	
50	28	0.248	0.130	0.102	0.026	-0.12	-0.08	-0.12	-0.08	
50	29	0.113	0.107	0.074	0.063	-0.01	-0.01	-0.01	-0.01	
50	30	0.086	0.168	0.123	0.029	0.08	-0.03	0.08	-0.03	
50	30	0.307	0.150	0.146	0.247	0.10	0.20	0.10	0.20	
50	Average	0.132	0.129	0.103	0.075	0.00	-0.03	0.00	-0.03	
50	Min	0.042	0.084	0.049	0.024	-0.04	-0.21	-0.04	-0.21	
50	Std Dev	0.087	0.023	0.024	0.085	0.02	0.09	0.02	0.09	

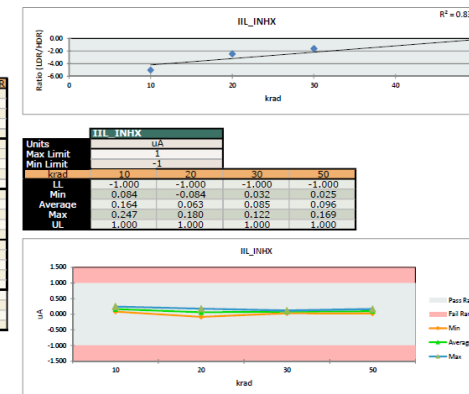
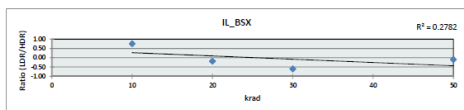


Figure 6-8. ELDRS_IIL_INHX

ELDRS Report
DRV8351-SEP

IL_BSXX													
Units		uA											
Max Limit		13											
Min Limit		2											
krad	Sample #	PreTestIDR	PostTestIDR	PreTestLDR	PostTestLDR	Delta_HDR	Delta_LDR	Median_HDR	Median_LDR	Ratio_LDR/HDR			
10	6	4.818	4.852	4.580	4.647	0.03	0.07	0.06	0.04	0.75			
10	7	4.684	4.728	4.557	4.600	0.04	0.04						
10	8	4.821	4.840	4.781	4.801	0.12	0.04						
10	9	4.747	4.804	4.523	4.583	0.06	0.16						
10	10	4.790	4.815	4.590	4.577	0.06	-0.04						
20	11	4.779	4.780	4.590	4.679	0.00	0.09	0.05	-0.01	-0.19			
20	12	4.791	4.839	4.751	4.604	0.05	-0.15						
20	13	4.704	4.849	4.580	4.571	0.14	-0.01						
20	14	4.857	4.889	4.775	4.594	0.03	-0.18						
20	16	4.654	4.832	4.247	4.108	0.18	-0.08						
20	17	4.742	4.822	4.568	4.568	0.12	0.06	0.11	-0.06	-0.80			
30	17	3.050	3.207	4.628	4.684	0.16	0.06						
30	18	4.117	4.168	4.637	4.563	0.05	-0.07						
30	19	3.569	3.676	4.606	4.710	0.11	0.10						
30	20	4.597	4.602	4.629	4.555	-0.09	-0.06						
50	26	4.621	4.604	4.815	4.856	-0.02	0.07	-0.70	0.06	-0.09			
50	27	4.668	3.918	4.535	4.661	-0.75	0.13						
50	28	4.584	3.949	4.596	4.619	-0.74	0.02						
50	29	4.662	3.959	4.639	4.703	-0.70	0.06						
50	30	4.732	4.351	4.536	4.355	-0.38	-0.18						
50	31	4.742	4.822	4.815	4.856	0.18	0.16						
50	32	4.563	4.487	4.595	4.606	-0.08	0.01						
50	33	3.050	3.207	3.947	4.108	-0.75	-0.18						
50	34	0.466	0.602	0.124	0.162	0.21	0.10						



IL_BSXX					
Units		uA			
Max Limit		13			
Min Limit		2			
krad	10	20	30	50	
LL	2.000	2.000	2.000	2.000	2.000
UL	4.527	4.108	3.207	3.918	
Average	4.740	4.675	4.371	4.401	
Max	4.940	4.399	5.062	4.886	
UL	13.000	13.000	13.000	13.000	

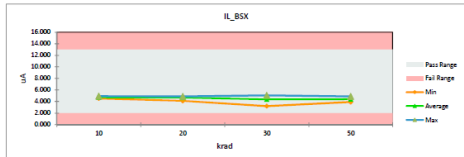
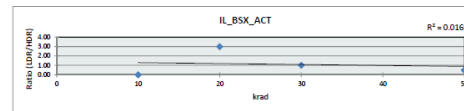


Figure 6-9. ELDRS_IL_BSXX

ELDRS Report
DRV8351-SEP

IL_BSXX_ACT													
Units		uA											
Max Limit		150											
Min Limit		30											
krad	Sample #	PreTestIDR	PostTestIDR	PreTestLDR	PostTestLDR	Delta_HDR	Delta_LDR	Median_HDR	Median_LDR	Ratio_LDR/HDR			
10	6	119.800	119.600	119.200	119.300	-0.20	0.10	0.00	-0.10	#DIV/0!			
10	7	118.900	119.000	119.100	118.800	0.10	-0.30						
10	8	119.100	119.100	119.400	119.300	0.00	-0.10						
10	9	119.000	119.000	119.300	119.100	0.00	-0.20						
10	10	118.900	118.800	119.400	119.400	-0.10	0.00						
20	11	118.500	117.900	120.800	120.200	-0.60	-0.60	-0.20	-0.60	3.00			
20	12	118.600	118.400	118.900	117.900	-0.20	-0.40						
20	13	118.700	118.200	118.100	117.400	-0.50	-0.70						
20	14	119.800	119.800	120.200	119.100	0.00	-1.10						
20	15	118.400	119.300	118.600	118.200	-0.10	-0.40						
20	16	119.600	119.600	119.200	118.700	-0.40	-0.50	-0.50	-0.50	1.00			
30	17	108.900	108.800	119.400	118.700	-0.10	-0.70						
30	18	115.900	115.100	120.400	120.100	-0.20	-0.30						
30	19	113.100	111.600	118.000	117.200	-1.50	-0.80						
30	20	116.700	116.200	118.200	118.000	-0.50	-0.20						
50	26	113.600	113.300	119.700	119.600	-0.50	-0.10	-0.40	-0.20	0.50			
50	27	118.800	118.400	118.000	117.800	-0.40	-0.20						
50	28	118.700	118.700	119.500	119.000	0.00	-0.50						
50	29	119.500	119.300	118.900	118.700	-0.20	-0.20						
50	30	117.900	117.200	116.200	116.300	-0.70	-0.60						
50	31	118.900	118.800	120.800	120.300	0.10	0.10						
50	32	117.990	117.670	118.730	118.365	-0.32	-0.37						
50	33	108.900	108.800	112.800	112.700	-1.50	-1.10						
50	34	2.720	2.849	1.674	1.655	0.17	0.30						



IL_BSXX_ACT					
Units		uA			
Max Limit		150			
Min Limit		30			
krad	10	20	30	50	
LL	30.000	30.000	30.000	30.000	
UL	118.800	112.700	108.800	116.300	
Average	119.140	118.090	116.410	118.430	
Max	119.600	120.200	120.100	119.600	
UL	150.000	150.000	150.000	150.000	

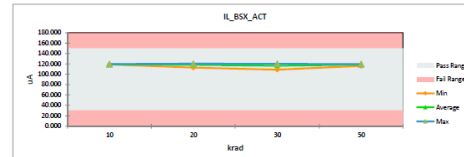
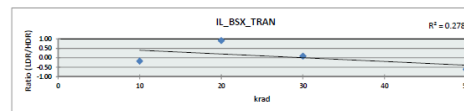


Figure 6-10. ELDRS_IL_BSXX_ACT

ELDRS Report
DRV8351-SEP

IL_BSXX_TRAN													
Units		uA											
Max Limit		220											
Min Limit		30											
krad	Sample #	PreTestIDR	PostTestIDR	PreTestLDR	PostTestLDR	Delta_HDR	Delta_LDR	Median_HDR	Median_LDR	Ratio_LDR/HDR			
10	6	138.000	140.000	142.500	141.500	-2.00	-1.00	1.80	-0.30	-0.17			
10	7	138.000	136.600	139.100	141.400	-1.40	2.30						
10	8	139.100	141.200	142.800	142.500	2.10	-0.30						
10	9	139.300	137.200	138.200	141.900	-2.10	3.70						
10	10	138.400	140.200	143.500	143.000	1.60	-0.50						
20	11	139.700	141.400	141.300	141.400	1.70	0.10	1.10	1.00	0.91			
20	12	141.300	138.900	141.600	141.300	-2.40	-0.30						
20	13	138.600	140.500	140.500	141.600	1.90	1.10						
20	14	141.400	139.600	141.200	142.200	-1.80	1.00						
20	15	139.100	140.900	133.600	135.900	1.10	1.60						
30	16	140.100	141.200	142.600	140.900	1.10	-2.50	1.10	0.10	0.09			
30	17	134.900	131.500	139.700	140.200	-3.40	0.50						
30	18	137.000	138.500	144.800	141.500	1.50	-3.30						
30	19	133.700	130.800	137.000	139.500	-2.90	2.50						
30	20	138.100	139.200	146.500	143.500	3.10	0.10						
50	26	141.200	140.500	138.600	141.600	-1.00	3.00	-1.00	0.60	-0.60			
50	27	140.400	138.500	139.000	137.300	-1.90	-1.70						
50	28	140.500	140.100	140.000	140.600	-0.40	0.60						
50	29	140.900	139.500	141.100	139.900	-1.40	-1.20						
50	30	139.000	140.600	137.100	139.300	1.60	2.50						
50	31	141.400	141.400	144.800	143.000	3.10	3.70						
50	32	138.835	136.795	140.330	140.770	-0.04	0.44						
50	33	133.700	130.800	133.600	135.900	-3.40	-3.30						
50	34	2.813	2.898	2.639	1.757	0.21	1.65						



IL_BSXX_TRAN					
Units		uA			
Max Limit		220			
Min Limit		30			
krad	10	20	30	50	
LL	30.000	30.000	30.000	30.000	
UL	136.600	135.900	130.800	137.300	
Average	140.550	140.300	138.520	139.760	
Max	143.000	142.200	142.500	141.600	
UL	220.000	220.000	220.000	220.000	

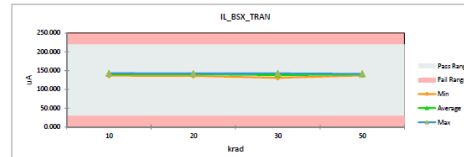
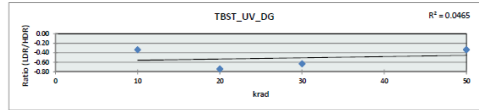


Figure 6-11. ELDRS_IL_BSXX_TRAN

ELDRS Report
DRV8351-SEP

Units		TBST_UV_DG								
Max Limit		US								
Min Limit		6								
krad	Serial #	PreTestHr	PostTestHr	PreTestDose	PostTestDose	Delta HPR	Delta LDR	Median HPR	Median LDR	Ratio LDR/HPR
10	6	11.800	12.490	12.510	12.370	0.69	-0.14	0.42	-0.14	-0.33
10	7	12.160	11.980	12.460	12.300	-0.20	-0.16			
10	8	12.130	12.550	12.430	12.330	0.42	-0.10			
10	9	12.360	12.020	12.570	12.350	-0.34	-0.22			
10	10	12.090	12.630	12.440	12.560	0.69	-0.14			
20	11	12.250	12.710	12.440	12.160	0.46	-0.28	0.46	-0.34	-0.74
20	12	12.300	12.350	12.630	12.210	0.05	-0.42			
20	13	12.050	12.760	12.530	12.190	0.71	-0.34			
20	14	12.400	12.450	12.530	11.950	0.05	-0.58			
20	15	12.340	12.620	12.540	12.550	0.53	0.01			
30	16	12.130	12.700	12.710	12.350	0.67	-0.36	0.57	-0.36	-0.63
30	17	15.260	15.410	12.600	12.370	0.15	-0.23			
30	18	13.100	13.920	12.460	12.260	0.42	-0.20			
30	19	13.820	13.930	12.650	12.120	0.11	-0.53			
30	20	12.850	13.500	12.420	12.440	0.62	-0.43			
50	26	12.320	13.040	12.690	12.370	0.72	0.11	0.51	-0.17	-0.33
50	27	12.550	12.840	12.740	12.570	0.29	-0.17			
50	28	12.500	12.950	12.670	12.530	0.45	-0.14			
50	29	12.230	12.740	12.470	12.250	0.51	-0.22			
50	30	12.570	13.380	12.580	12.750	0.61	-0.23			
50	31	15.260	15.410	13.540	13.550	0.82	0.11			
Max		12.559	12.961	12.635	12.397	0.40	-0.24			
Average		11.800	11.980	12.260	11.950	-0.34	-0.50			
Min		11.800	11.980	12.260	11.950	-0.34	-0.50			
Std Dev		0.772	0.720	0.668	0.624	0.33	0.17			



Units		TBST_UV_DG			
Max Limit		US			
Min Limit		6			
krad	10	20	30	50	
LL	6.000	6.000	6.000	6.000	
Min	11.980	11.950	12.120	12.250	
Average	12.354	12.520	13.100	12.742	
Max	13.630	13.550	15.410	13.380	
UL	22.000	22.000	22.000	22.000	

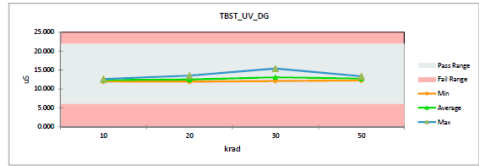
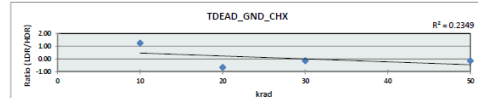


Figure 6-15. ELDRS_TBST_UV_DG

ELDRS Report
DRV8351-SEP

Units		TDEAD_GND_CHX								
Max Limit		nS								
Min Limit		150								
krad	Serial #	PreTestHr	PostTestHr	PreTestDose	PostTestDose	Delta HPR	Delta LDR	Median HPR	Median LDR	Ratio LDR/HPR
10	6	196.500	200.800	207.400	205.800	-4.30	-1.50	1.70	2.10	1.24
10	7	200.000	199.000	197.100	200.000	-1.00	-2.90			
10	8	203.000	204.700	199.100	203.700	1.70	4.60			
10	9	201.700	201.000	202.000	202.200	-0.70	0.20			
10	10	188.800	203.400	202.100	204.200	4.50	2.10			
20	11	201.400	206.500	200.900	201.200	5.10	0.30	4.60	-3.00	-0.65
20	12	202.900	203.100	205.400	200.900	-1.10	-4.50			
20	13	204.600	209.200	200.500	196.200	4.60	-4.30			
20	14	203.800	204.800	205.100	202.100	1.90	-3.00			
20	15	184.000	202.100	202.300	208.300	8.40	6.20			
30	16	188.800	202.300	204.100	205.100	3.40	1.00	3.60	-0.50	-0.14
30	17	205.600	212.900	204.400	203.900	7.30	-0.50			
30	18	201.800	205.800	201.500	200.500	-0.60	-0.90			
30	19	207.300	209.000	199.000	201.800	1.70	-2.80			
30	20	205.800	211.800	206.700	199.100	-4.40	-7.60			
50	26	197.600	210.200	200.500	204.900	12.60	4.40	6.70	-0.90	-0.13
50	27	199.200	203.600	203.900	203.000	4.40	-0.90			
50	28	203.400	210.500	197.500	193.300	7.10	-4.20			
50	29	201.200	205.600	202.600	201.200	4.40	-1.40			
50	30	204.500	211.000	203.500	204.500	6.70	0.40			
Max		201.555	205.820	202.345	202.115	4.27	-0.23			
Min		194.000	199.000	197.100	193.300	-1.00	-4.50			
Std Dev		3.664	4.044	3.186	3.827	3.277	2.427			



Units		TDEAD_GND_CHX			
Max Limit		nS			
Min Limit		150			
krad	10	20	30	50	
LL	150.000	150.000	150.000	150.000	
Min	199.000	196.200	199.100	193.300	
Average	202.480	203.440	205.110	204.840	
Max	205.800	209.200	212.900	211.000	
UL	280.000	280.000	280.000	280.000	

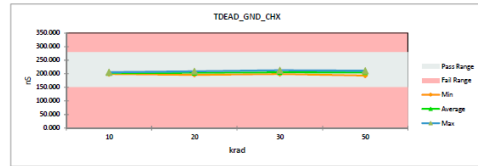
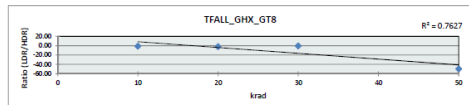


Figure 6-16. ELDRS_TDEAD_GND_CHX

ELDRS Report
DRV8351-SEP

Units		TFALL_GHX_GT8								
Max Limit		nS								
Min Limit		5								
krad	Serial #	PreTestHr	PostTestHr	PreTestDose	PostTestDose	Delta HPR	Delta LDR	Median HPR	Median LDR	Ratio LDR/HPR
10	6	7.858	8.395	7.948	8.355	0.54	0.41	0.14	-0.14	-1.02
10	7	8.220	8.424	8.651	8.414	0.20	-0.24			
10	8	8.165	8.300	8.471	8.333	0.14	-0.14			
10	9	8.769	8.881	8.520	7.977	0.11	-0.54			
10	10	7.857	7.875	7.975	8.260	0.38	0.38			
20	11	8.987	8.957	8.882	7.744	0.11	-0.84	0.30	-0.55	-1.86
20	12	8.155	8.452	8.178	8.179	0.30	0.00			
20	13	8.303	8.532	8.125	7.020	0.23	-0.31			
20	14	8.202	8.394	8.828	8.246	0.19	-0.58			
20	15	7.809	8.525	8.272	8.321	0.74	-0.65			
30	16	8.169	8.197	8.943	8.462	0.33	-0.68	0.49	-0.21	-0.44
30	17	8.964	9.104	7.858	7.647	0.14	-0.21			
30	18	7.947	8.684	8.519	8.073	0.72	-0.45			
30	19	8.841	9.225	7.929	7.152	0.49	-0.78			
30	20	8.003	8.834	8.410	8.223	0.83	-0.19			
50	26	8.080	8.424	7.857	8.547	0.34	0.49	0.02	-0.69	-49.33
50	27	8.181	7.809	7.994	7.950	-0.37	-0.04			
50	28	7.834	8.223	8.477	7.390	0.39	-1.09			
50	29	8.053	8.071	8.200	6.999	0.02	-1.20			
50	30	8.105	7.583	8.237	7.349	-0.52	-0.82			
Max		8.964	9.326	8.672	8.462	0.33	0.49			
Average		8.193	8.419	8.304	7.962	0.33	-0.34			
Min		7.809	7.583	7.857	6.999	-0.52	-1.20			
Std Dev		0.320	0.420	0.326	0.445	0.36	0.48			



Units		TFALL_GHX_GT8			
Max Limit		nS			
Min Limit		5			
krad	10	20	30	50	
LL	5.000	5.000	5.000	5.000	
Min	7.875	7.744	7.152	6.999	
Average	8.320	8.258	8.368	7.815	
Max	8.681	8.532	9.326	8.424	
UL	30.000	30.000	30.000	30.000	

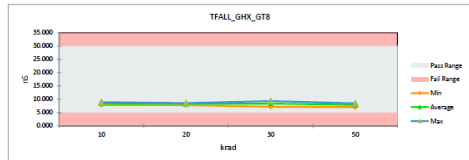


Figure 6-17. ELDRS_TFALL_GHX_GT8

ELDRS Report
DRV8351-SEP

Units		TFALL_GLX_GT8									
Max Limit		n5									
Min Limit		30									
Krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio HDR/LDR	
10	6	9.436	9.699	10.250	9.718	0.26	-0.53	0.02	0.01		0.70
10	7	10.100	9.676	10.150	9.721	-0.50	-0.43				
10	8	9.822	9.755	9.589	9.603	-0.07	0.01				
10	9	10.020	10.040	9.495	9.531	0.02	0.04				
10	10	9.961	9.884	9.816	10.070	0.06	0.15				
20	11	9.695	9.398	9.727	9.121	-0.30	-0.61	0.25	-0.61		-2.41
20	12	9.670	10.120	9.441	9.204	0.45	-0.44				
20	13	9.524	9.910	9.517	9.141	0.39	-0.78				
20	14	9.799	10.050	10.250	9.177	0.25	-1.07				
20	15	9.984	9.241	9.419	9.263	-0.04	-0.17				
30	16	9.562	9.769	9.796	10.420	0.21	0.62	0.34	-0.32		-0.95
30	17	10.190	10.840	10.080	9.286	0.65	-0.79				
30	18	9.268	9.731	9.254	9.125	0.46	-0.13				
30	19	9.607	9.758	9.162	8.837	0.15	-0.32				
30	20	9.194	9.535	9.538	9.064	0.34	-0.47				
50	21	9.603	9.573	9.373	9.389	0.07	0.02	0.31	-0.55		-1.81
50	22	9.272	9.719	9.507	8.948	0.45	-0.56				
50	23	10.040	9.241	9.688	9.135	-0.20	-0.55				
50	24	9.665	10.050	9.701	9.051	0.39	-0.65				
50	25	9.466	9.771	9.470	8.240	0.31	-0.53				
Max		10.840	10.840	10.250	10.420	0.65	0.62				
Average		9.663	9.858	9.716	9.337	0.20	-0.38				
Min		9.194	9.398	9.162	8.837	-0.50	-1.07				
Std Dev		0.366	0.428	0.317	0.401	0.30	0.41				

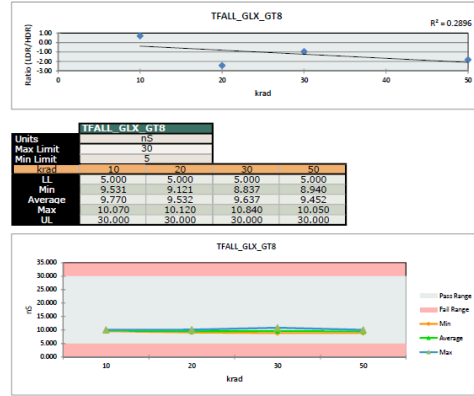


Figure 6-18. ELDRS_TFALL_GLX_GT8

ELDRS Report
DRV8351-SEP

Units		TGVDD_UV_DG									
Max Limit		u5									
Min Limit		5									
Krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio HDR/LDR	
10	6	8.305	8.563	8.413	8.057	0.26	-0.36	0.26	-0.36		-1.36
10	7	8.151	9.213	8.721	7.772	1.06	-0.95				
10	8	8.442	8.697	8.330	8.014	0.25	-0.32				
10	9	8.070	9.240	8.551	7.939	1.17	-0.61				
10	10	8.248	8.509	8.099	7.827	0.26	-0.27				
20	11	8.478	8.857	8.669	8.624	0.38	-0.04	0.40	-0.13		-0.34
20	12	8.029	8.191	8.357	8.120	1.19	-0.24				
20	13	8.158	8.522	8.980	8.917	0.36	-0.06				
20	14	8.580	9.896	9.126	8.098	1.03	-1.03				
20	15	8.208	8.605	8.588	8.454	0.40	-0.14				
30	16	8.214	8.723	8.145	8.755	0.51	0.61	0.51	0.53		1.05
30	17	8.322	9.623	8.860	8.715	1.10	-0.15				
30	18	7.977	8.398	7.917	8.496	0.42	0.58				
30	19	8.630	9.939	9.030	8.951	1.31	-0.08				
30	20	8.096	8.525	7.803	8.336	0.43	0.53				
50	21	7.543	8.780	8.990	9.310	1.24	0.22	1.24	0.22		0.18
50	22	8.008	9.288	8.352	9.186	1.28	0.83				
50	23	7.794	8.808	8.480	8.597	-0.01	0.12				
50	24	7.725	8.989	7.895	8.637	1.26	0.74				
50	25	8.630	8.725	8.588	8.454	0.60	0.68				
Max		9.939	10.840	10.250	10.420	1.31	0.83				
Average		8.159	8.958	8.597	8.556	0.80	-0.04				
Min		7.543	8.398	7.803	7.772	0.25	-1.03				
Std Dev		0.274	0.458	0.495	0.524	0.44	0.54				

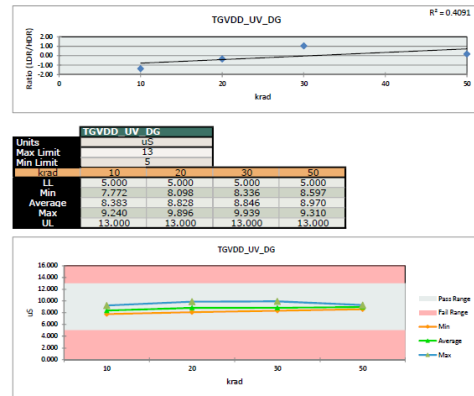


Figure 6-19. ELDRS_TGVDD_UV_DG

ELDRS Report
DRV8351-SEP

Units		TPD_GHX_GT8									
Max Limit		n5									
Min Limit		180									
Krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio HDR/LDR	
10	6	110.700	108.600	111.400	111.500	-2.10	0.10	-0.90	-0.60		0.67
10	7	109.100	109.500	110.800	109.700	0.40	-1.10				
10	8	111.500	110.600	111.000	110.600	-0.90	-0.60				
10	9	109.400	107.900	109.500	111.400	-1.50	1.50				
10	10	111.100	110.200	111.800	111.800	-0.80	0.20				
20	11	111.800	111.300	109.300	113.000	-0.30	3.70	-0.10	3.00		-30.00
20	12	109.200	109.800	112.500	112.100	0.60	-0.40				
20	13	110.800	110.700	109.200	112.900	-0.10	3.70				
20	14	109.000	109.700	109.300	112.300	0.70	3.00				
20	15	112.800	111.900	114.500	116.800	-0.90	2.40				
30	16	112.000	110.500	112.500	110.700	-0.50	-1.90	0.40	1.30		3.25
30	17	116.000	117.200	109.500	112.700	1.20	3.20				
30	18	114.100	113.600	110.500	109.800	-0.50	-0.60				
30	19	112.700	114.400	110.000	113.300	1.70	3.30				
30	20	112.500	112.900	112.600	113.900	0.40	1.30				
50	21	111.500	109.700	108.300	114.800	-1.80	6.50	-1.20	4.80		-4.00
50	22	110.700	109.500	110.500	113.200	-1.20	2.70				
50	23	108.900	110.400	109.500	114.300	1.50	4.80				
50	24	115.100	110.000	112.400	114.800	-2.10	2.40				
50	25	110.300	111.500	110.300	115.300	1.70	5.00				
Max		116.000	117.200	114.400	116.800	1.70	6.50				
Average		111.300	110.995	110.800	112.720	-0.31	1.92				
Min		108.900	107.900	108.300	109.700	-2.10	-1.90				
Std Dev		1.318	2.461	1.526	1.826	1.22	2.32				

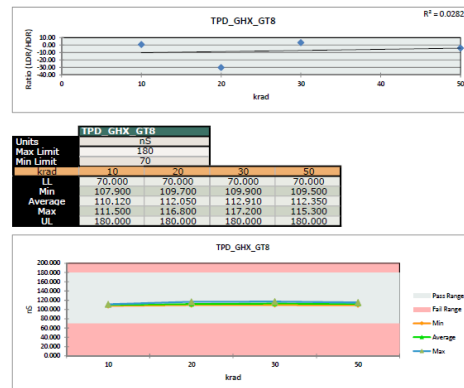


Figure 6-20. ELDRS_TPD_GHX_GT8

ELDRS Report
DRV8351-SEP

TPD_GLX_GT8											
Units		ns									
Max Limit		180									
Min Limit		70									
krad	Serial #	PreTestHOR	PostTestHOR	PreTestLOR	PostTestLOR	Delta HOR	Delta LOR	Median HOR	Median LOR	Ratio LOR/HOR	
10	6	125,700	125,800	125,100	124,700	-0.20	0.60	-0.20	0.60		
10	7	125,500	125,900	126,200	127,200	0.40	1.00				
10	8	126,100	127,200	126,300	126,800	-0.90	0.50				
10	9	125,400	125,000	125,200	125,900	0.60	0.70				
10	10	127,400	127,000	126,500	126,200	-0.40	0.60				
20	11	127,300	127,600	125,400	127,500	0.30	2.10	0.10	2.10	21.00	
20	12	126,000	126,100	126,300	127,100	0.10	0.80				
20	13	127,200	127,000	125,700	127,800	-0.20	2.10				
20	14	125,500	126,300	125,300	127,700	0.60	2.40				
20	15	128,300	127,900	130,900	133,500	-0.40	2.60				
30	16	126,200	126,400	126,200	126,500	0.20	0.30	0.30	2.20	7.33	
30	17	135,300	139,400	126,100	129,900	1.10	2.80				
30	18	131,900	132,200	125,800	125,200	0.30	-0.60				
30	19	132,200	132,900	126,700	127,300	0.70	2.50				
30	20	125,100	125,900	126,600	128,600	0.10	2.90				
50	26	127,600	127,100	123,700	128,300	-0.50	4.60	0.20	2.30	11.50	
50	27	126,800	127,000	126,500	128,500	0.20	2.00				
50	28	126,300	127,100	125,600	128,300	0.80	2.70				
50	29	127,600	126,900	127,100	129,400	-0.70	2.30				
50	30	126,500	128,500	127,800	130,100	1.60	2.30				
50	30	138,300	139,400	130,900	133,500	1.60	4.60				
Max		127,965	128,160	126,245	127,970	0.20	1.73				
Average		125,400	125,500	123,700	127,900	-0.90	-0.69				
Min		125,400	125,500	123,700	127,900	-0.90	-0.69				
Std Dev		3.078	3.470	1.245	1.811	0.63	1.700				

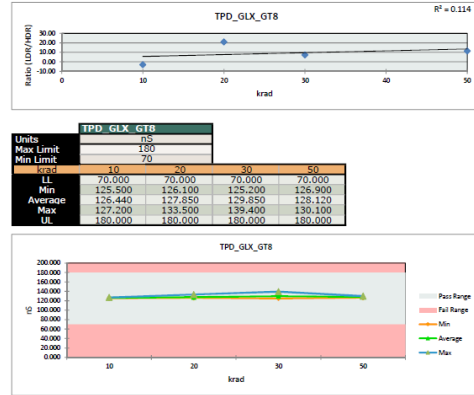


Figure 6-21. ELDRS_TPD_GLX_GT8

ELDRS Report
DRV8351-SEP

TPD_MATCH_GT8_HSX											
Units		ns									
Max Limit		30									
Min Limit		-30									
krad	Serial #	PreTestHOR	PostTestHOR	PreTestLOR	PostTestLOR	Delta HOR	Delta LOR	Median HOR	Median LOR	Ratio LOR/HOR	
10	6	2.676	-5.893	-5.581	-3.347	-8.47	2.23	-3.53	0.28	-0.08	
10	7	-2.365	3.628	4.873	-3.524	5.99	-8.40				
10	8	-1.402	-4.838	-7.719	-4.658	-3.53	0.28				
10	9	-4.189	0.676	1.945	-3.627	4.87	-5.57				
10	10	2.676	-5.893	-5.581	-3.347	-8.47	2.23				
20	11	-0.146	-3.820	-3.590	-4.504	-3.37	-7.58	-3.37	-6.30	1.87	
20	12	-3.867	3.793	-5.556	-0.256	7.66	5.30				
20	13	-0.784	-4.978	0.616	-5.685	-4.19	-6.30				
20	14	-3.068	1.690	1.278	-2.306	4.76	-3.58				
20	15	-0.490	-3.404	1.344	-8.663	-3.91	-10.00				
30	16	0.642	-6.133	-4.088	-3.104	-7.45	-7.45	-2.74	-1.35	0.49	
30	17	-8.427	-0.666	0.432	-4.804	7.76	-5.24				
30	18	-4.309	-7.048	-6.903	-2.714	-3.74	9.63				
30	19	-4.134	-2.209	-0.298	-6.969	1.33	-6.37				
30	20	-2.488	-7.176	-3.377	-4.733	-4.69	-1.36				
50	26	1.777	8.545	0.677	-7.759	7.17	-8.63	1.62	-5.87	-3.62	
50	27	0.185	1.809	-7.570	-7.761	1.62	-0.19				
50	28	-2.813	0.777	0.955	-4.920	3.59	-5.87				
50	29	1.054	2.699	-5.711	-6.371	0.85	-0.66				
50	30	-0.657	-5.823	-0.646	-7.837	-3.37	-7.78				
Max		2.628	8.545	4.873	-3.204	-7.76	7.45				
Average		-1.484	-1.724	-1.731	-4.163	-0.23	-2.43				
Min		-4.427	-7.176	-7.570	-8.663	-8.47	-10.00				
Std Dev		3.724	4.464	3.724	3.778	5.47	5.70				

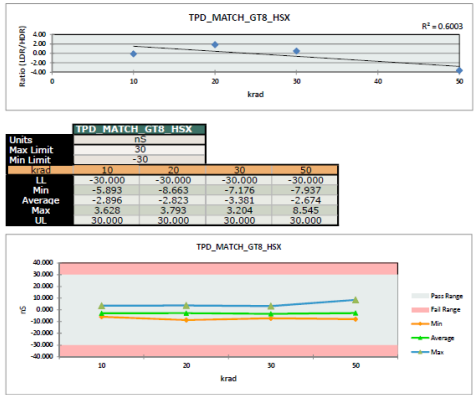


Figure 6-22. ELDRS_TPD_MATCH_GT8_HSX

ELDRS Report
DRV8351-SEP

TPD_MATCH_GT8_LSX											
Units		ns									
Max Limit		30									
Min Limit		-30									
krad	Serial #	PreTestHOR	PostTestHOR	PreTestLOR	PostTestLOR	Delta HOR	Delta LOR	Median HOR	Median LOR	Ratio LOR/HOR	
10	6	-2.498	-0.922	-1.439	-1.045	1.58	0.39	1.76	0.39	0.22	
10	7	-1.812	-0.539	-0.250	0.007	1.27	0.26				
10	8	-1.726	0.033	-1.186	-0.795	1.76	0.39				
10	9	-2.015	0.108	-0.890	-0.288	2.12	0.60				
10	10	-3.323	-0.242	-1.860	-0.336	2.07	0.91	2.12	1.28	0.60	
20	11	-1.867	0.254	-1.275	-0.141	2.12	1.13				
20	12	-3.167	-1.021	-0.675	0.909	2.15	1.50				
20	13	-2.105	-0.162	-1.781	0.454	1.94	2.24				
20	14	-2.105	-0.162	-1.781	0.454	1.94	2.24				
20	15	-2.360	-0.406	-1.221	0.342	2.65	1.76				
30	16	-2.410	0.096	-0.169	1.409	2.54	1.68	2.51	0.91	0.36	
30	17	-3.069	-0.767	-0.633	0.280	2.30	0.91				
30	18	-2.331	0.758	-0.324	-2.365	3.09	2.69				
30	19	-2.084	-0.036	-0.195	-0.092	2.05	0.10				
30	20	-2.445	1.176	-0.322	-0.244	3.57	0.08				
50	26	-1.141	2.760	-1.424	-0.111	3.30	1.91	3.51	1.60	0.45	
50	27	-1.370	2.547	-1.073	0.961	3.92	2.03				
50	28	-1.212	2.753	-0.553	0.998	3.97	1.55				
50	29	-2.033	1.480	-0.809	0.793	3.51	1.60				
50	30	-1.753	1.751	-1.264	1.213	3.00	2.48				
Max		-1.141	2.753	-0.135	-0.365	3.97	2.69				
Average		-2.198	0.382	-0.860	0.346	2.58	1.41				
Min		-3.323	-1.252	-1.781	-1.045	1.27	0.08				
Std Dev		0.628	1.190	0.524	0.782	0.79	0.79				

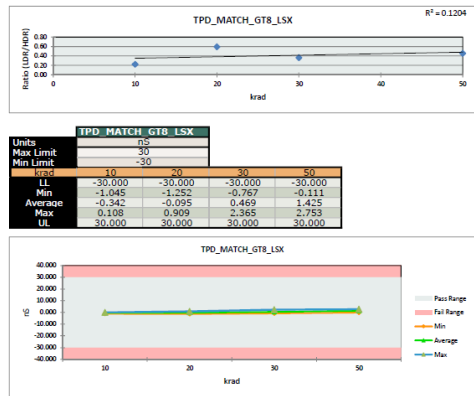
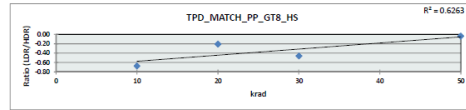


Figure 6-23. ELDRS_TPD_MATCH_GT8_LSX

ELDRS Report
DRV8351-SEP

Units		TPD_MATCH_PP_GT8_HS									
Max Limit		nS									
Min Limit		30									
krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio HDR/LDR	Ratio LDR/HDR
10	6	0.535	0.647	-0.027	0.633	0.31	0.56	-1.28	0.86	-0.67	
10	7	0.391	-0.505	0.027	0.268	-0.50	0.24				
10	8	1.452	-0.173	-0.550	1.247	-1.62	1.80				
10	9	1.177	-0.099	-0.483	0.541	-1.28	1.32				
10	10	3.188	0.276	0.758	1.652	-1.55	0.83				
20	11	1.814	1.082	-2.640	1.190	-0.53	-1.45	-0.72	0.15	-0.21	
20	12	1.646	-0.532	0.375	0.357	-2.18	0.16				
20	13	2.000	-1.280	0.375	0.524	-0.72	0.15				
20	14	1.251	0.034	0.860	0.920	-1.72	0.06				
20	15	1.388	1.400	0.166	0.271	-0.79	0.60				
30	16	2.883	0.747	0.659	0.059	-1.54	-0.60	-0.84	0.39	-0.46	
30	17	1.170	0.101	0.059	0.477	-1.07	0.39				
30	18	0.782	-0.900	-0.074	-0.287	-0.85	-0.21				
30	19	-0.428	-0.217	0.731	2.272	0.21	1.54				
30	20	1.646	-0.774	0.937	0.640	-0.75	0.68				
50	26	1.080	-1.999	-0.401	1.473	0.22	1.87	-0.49	0.02	-0.04	
50	27	1.560	0.041	0.231	0.232	-1.52	0.00				
50	28	1.205	0.718	1.802	1.245	-0.49	-0.56				
50	29	0.172	0.113	0.228	1.077	-0.06	0.85				
50	30	1.140	-0.145	0.275	0.284	-1.88	0.02				
50	31	1.198	1.199	-2.650	2.772	0.31	1.97				
	Max	1.200	0.325	0.394	0.832	-0.87	0.44				
	Min	-0.420	-0.532	-0.550	-0.287	-2.18	-1.45				
	Std Dev	0.291	0.627	0.725	0.607	0.72	0.64				



Units		TPD_MATCH_PP_GT8_HS			
Max Limit		nS			
Min Limit		30			
TPD	10	20	30	50	
LL	-30,000	-30,000	-30,000	-30,000	
Min	-0.505	-0.532	-0.287	-0.145	
Average	1.247	1.380	1.444	1.635	
Max	3.188	2.772	1.473	1.473	
UL	30,000	30,000	30,000	30,000	

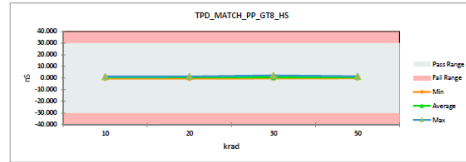
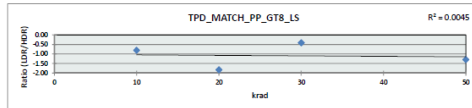


Figure 6-24. ELDRS_TPD_MATCH_PP_GT8_HS

ELDRS Report
DRV8351-SEP

Units		TPD_MATCH_PP_GT8_LS									
Max Limit		nS									
Min Limit		-30									
krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio HDR/LDR	Ratio LDR/HDR
10	6	0.111	-1.965	-1.326	-0.969	-0.19	0.36	-0.44	0.36	-0.81	
10	7	-0.793	-1.965	-1.800	-1.100	-1.17	0.70				
10	8	-0.301	-0.880	-0.646	-1.288	-0.58	-0.64				
10	9	-1.738	-2.179	-1.708	-0.842	-0.44	0.87				
10	10	-0.959	-0.614	-1.010	-1.543	-0.16	-0.32				
20	11	0.123	0.437	-2.022	-0.167	0.31	1.85	-0.79	1.44	-1.83	
20	12	-0.352	-1.605	-0.566	-0.874	-1.25	0.03				
20	13	0.117	-0.072	-1.188	0.256	-0.19	1.44				
20	14	-1.148	-1.938	-1.976	-0.941	-0.79	1.03				
20	15	0.015	-0.852	-1.880	-0.141	-0.38	-0.32				
30	16	-0.101	-0.382	-0.600	-2.152	-0.28	-1.55	0.92	-0.22	-0.41	
30	17	-2.773	-2.020	-2.833	0.004	0.75	2.84				
30	18	-0.396	0.128	-0.875	-1.092	0.62	-0.22				
30	19	-1.211	-1.627	-1.507	-0.059	-0.42	1.45				
30	20	-1.059	0.244	0.263	-0.176	1.30	-0.44				
50	26	0.107	-1.941	-2.450	0.059	-1.95	-2.35	-1.42	1.83	-1.39	
50	27	0.197	-1.225	-1.123	0.736	-1.42	1.86				
50	28	-1.208	-0.841	-1.470	-0.047	0.37	0.63				
50	29	0.063	-1.486	0.026	0.607	-1.95	0.57				
50	30	-0.563	0.795	-2.410	-0.593	-0.23	1.83				
50	31	0.197	-0.437	0.283	0.758	1.30	1.64				
	Max	-0.569	-0.980	-1.359	-0.516	-0.41	0.84				
	Min	-2.773	-2.179	-2.833	-2.152	-1.95	-1.55				
	Std Dev	0.769	0.824	0.787	0.743	0.82	1.14				



Units		TPD_MATCH_PP_GT8_LS			
Max Limit		nS			
Min Limit		-30			
TPD	10	20	30	50	
LL	-30,000	-30,000	-30,000	-30,000	
Min	-2.179	-1.938	-2.152	-1.841	
Average	-1.146	-0.590	-0.713	-0.543	
Max	-0.080	0.487	0.244	0.736	
UL	30,000	30,000	30,000	30,000	

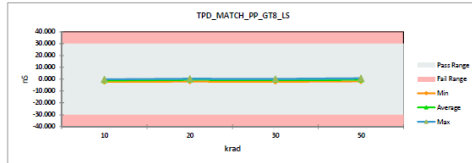
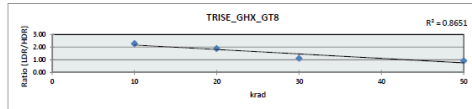


Figure 6-25. ELDRS_TPD_MATCH_PP_GT8_LS

ELDRS Report
DRV8351-SEP

Units		TRISE_GHX_GT8									
Max Limit		nS									
Min Limit		10									
krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio HDR/LDR	Ratio LDR/HDR
10	6	26,000	27,280	25,700	30,760	1.28	5.06	1.72	3.93	2.28	
10	7	25,640	27,360	26,810	30,390	1.72	3.58				
10	8	25,530	27,180	26,900	30,560	1.65	3.66				
10	9	24,590	26,340	26,590	30,820	3.75	3.93				
10	10	26,440	27,200	26,010	31,240	1.76	2.33				
20	11	26,060	27,720	25,780	29,510	1.66	3.73	1.97	3.73	1.89	
20	12	25,120	30,150	26,060	31,820	5.03	5.76				
20	13	26,010	27,760	27,380	29,080	1.75	1.70				
20	14	24,700	30,360	24,310	32,150	5.66	7.84				
20	15	26,470	28,340	26,890	29,570	2.97	1.72				
30	16	26,250	28,610	26,660	31,840	2.38	5.18	3.68	4.11	1.12	
30	17	26,050	29,970	27,230	29,110	5.92	3.88				
30	18	25,990	29,670	26,120	31,470	3.68	4.35				
30	19	26,990	30,990	25,420	29,530	4.00	4.11				
30	20	25,970	28,860	26,890	29,520	1.80	1.84				
50	26	26,400	31,910	25,170	30,570	5.51	5.40	5.51	5.09	0.92	
50	27	26,150	32,420	26,470	30,340	6.27	3.87				
50	28	25,710	31,100	25,050	30,730	5.99	5.66				
50	29	26,300	32,190	26,230	30,420	5.89	4.19				
50	30	26,040	29,580	25,660	30,720	3.47	5.82				
50	31	26,990	32,430	27,380	32,150	8.27	1.84				
	Max	25,865	29,446	26,177	30,509	3.58	4.33				
	Min	24,590	27,180	24,310	29,080	1.18	1.70				
	SM Dev	0.576	1.833	0.804	0.911	1.76	1.47				



Units		TRISE_GHX_GT8			
Max Limit		nS			
Min Limit		10			
TPD	10	20	30	50	
LL	10,000	10,000	10,000	10,000	
Min	27,180	27,720	28,610	29,500	
Average	25,113	29,646	30,150	30,991	
Max	31,240	32,150	31,970	32,420	
UL	50,000	50,000	50,000	50,000	

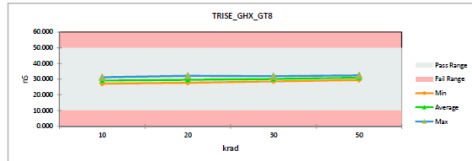
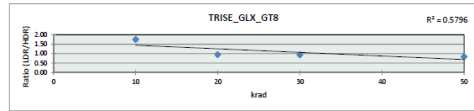


Figure 6-26. ELDRS_TRISE_GHX_GT8

ELDRS Report
DRV8351-SEP

		TRISE_GLX_GT8								
Units		nS								
Max Limit		50								
Min Limit		10								
krad	Serial #	Pre-Test HR	Post-Test HR	Pre-Test LDR	Post-Test LDR	Delta HR	Delta LDR	Median HR	Median LDR	Ratio LDR/HR
10	6	34,490	36,420	34,820	38,440	1,93	3,62	1,79	3,13	1,75
10	7	36,050	37,160	36,340	38,100	-1,10	1,84			
10	8	34,370	36,160	34,700	37,830	1,79	3,13			
10	9	36,110	37,180	35,940	38,320	1,07	2,38			
10	10	34,140	36,340	34,630	38,050	-2,30	3,27			
20	11	34,520	37,410	36,070	37,800	0,69	1,73	2,29	2,18	0,95
20	13	36,940	37,980	35,070	39,160	1,64	4,09			
20	14	34,620	37,480	36,040	37,750	-5,4	1,91			
20	14	36,410	38,350	35,900	39,280	1,94	3,38			
20	15	34,830	36,140	35,140	38,370	-3,30	3,18			
30	16	34,460	37,730	35,140	39,130	3,27	3,99	3,15	2,96	0,94
30	17	36,140	38,720	36,120	37,350	-2,58	1,23			
30	18	34,510	38,270	34,960	38,810	3,76	3,55			
30	19	36,300	38,710	36,060	37,360	-2,41	1,30			
30	20	34,610	37,820	34,940	37,950	-1,14	1,38			
50	26	34,720	38,870	35,550	37,960	-1,14	1,38	3,66	3,08	0,84
50	27	35,570	39,230	34,630	38,050	-3,66	3,42			
50	28	36,380	39,450	35,850	38,310	-1,07	2,46			
50	29	34,570	39,440	35,190	38,450	-1,97	3,36			
50	30	35,410	38,150	35,720	38,870	-2,64	3,08			
50	30	36,410	39,450	36,340	39,280	-1,77	4,09			
Max		35,243	37,881	35,528	38,254	-2,64	2,73			
Average		34,140	36,160	34,630	37,350	-1,07	1,23			
Min		34,140	36,160	34,630	37,350	-1,07	1,23			
Std Dev		0,692	1,016	0,592	0,542	0,56	0,68			



		TRISE_GLX_GT8			
Units		nS			
Max Limit		50			
Min Limit		10			
krad	Serial #	Pre-Test HR	Post-Test HR	Pre-Test LDR	Post-Test LDR
10	10	10,000	10,000	10,000	10,000
10	10	10,000	10,000	10,000	10,000
10	10	10,000	10,000	10,000	10,000
10	10	10,000	10,000	10,000	10,000
10	10	10,000	10,000	10,000	10,000

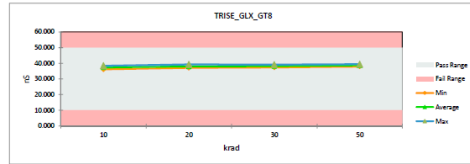
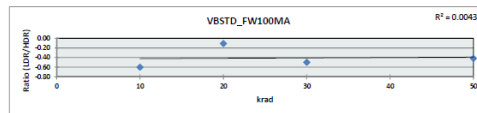


Figure 6-27. ELDRS_TRISE_GLX_GT8

ELDRS Report
DRV8351-SEP

		VBSTD_FW100MA								
Units		V								
Max Limit		3.1								
Min Limit		2								
krad	Serial #	Pre-Test HR	Post-Test HR	Pre-Test LDR	Post-Test LDR	Delta HR	Delta LDR	Median HR	Median LDR	Ratio LDR/HR
10	6	2,348	2,394	2,259	2,297	-0,01	0,00			
10	7	2,349	2,347	2,259	2,262	0,00	0,00	-0,01	0,00	-0,00
10	8	2,310	2,304	2,269	2,312	-0,01	0,00			
10	9	2,328	2,324	2,293	2,305	0,00	0,00			
10	10	2,321	2,316	2,280	2,284	-0,01	0,00			
20	11	2,350	2,341	2,259	2,251	-0,01	0,00			
20	12	2,339	2,333	2,303	2,304	-0,01	0,00	-0,01	0,00	-0,11
20	13	2,315	2,305	2,254	2,254	-0,01	0,00			
20	14	2,339	2,322	2,314	2,314	-0,01	0,00			
20	15	2,326	2,299	2,244	2,251	-0,01	0,01			
30	16	2,343	2,333	2,251	2,257	-0,01	0,01	-0,01	0,00	-0,50
30	17	2,245	2,238	2,249	2,254	-0,01	0,01			
30	18	2,282	2,242	2,233	2,257	-0,01	0,00			
30	19	2,233	2,227	2,259	2,264	-0,01	0,00			
30	20	2,329	2,247	2,243	2,246	-0,01	0,00			
50	26	2,256	2,241	2,230	2,219	-0,01	-0,01	-0,01	0,00	-0,42
50	27	2,254	2,243	2,260	2,266	-0,01	0,01			
50	28	2,299	2,251	2,247	2,251	-0,01	0,00			
50	29	2,264	2,251	2,241	2,246	-0,01	0,00			
50	30	2,260	2,248	2,232	2,262	-0,01	0,01			
Max		2,350	2,247	2,230	2,219	0,00	0,01			
Average		2,296	2,287	2,270	2,273	-0,01	0,00			
Min		2,233	2,227	2,241	2,246	-0,01	-0,01			
Std Dev		0,042	0,043	0,028	0,025	0,00	0,00			



		VBSTD_FW100MA			
Units		V			
Max Limit		3.1			
Min Limit		2			
krad	Serial #	Pre-Test HR	Post-Test HR	Pre-Test LDR	Post-Test LDR
10	10	2,000	2,000	2,000	2,000
10	10	2,000	2,000	2,000	2,000
10	10	2,000	2,000	2,000	2,000
10	10	2,000	2,000	2,000	2,000
10	10	2,000	2,000	2,000	2,000

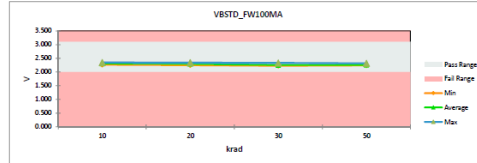
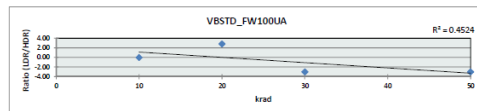


Figure 6-28. ELDRS_VBSTD_FW100MA

ELDRS Report
DRV8351-SEP

		VBSTD_FW100UA								
Units		V								
Max Limit		0.85								
Min Limit		0.45								
krad	Serial #	Pre-Test HR	Post-Test HR	Pre-Test LDR	Post-Test LDR	Delta HR	Delta LDR	Median HR	Median LDR	Ratio LDR/HR
10	6	0,613	0,611	0,613	0,612	0,00	0,00			
10	7	0,614	0,615	0,612	0,612	0,00	0,00			
10	8	0,613	0,614	0,614	0,613	0,00	0,00			
10	9	0,613	0,614	0,612	0,611	0,00	0,00			
10	10	0,612	0,612	0,612	0,612	0,00	0,00			
20	11	0,612	0,612	0,613	0,611	0,00	0,00			
20	12	0,615	0,615	0,612	0,611	0,00	0,00	0,00	0,00	2,80
20	13	0,612	0,611	0,612	0,610	0,00	0,00			
20	14	0,613	0,613	0,614	0,612	0,00	0,00			
20	15	0,612	0,610	0,610	0,608	0,00	0,00			
30	16	0,612	0,612	0,614	0,615	0,00	0,00	0,00	0,00	-3,00
30	17	0,610	0,609	0,613	0,612	0,00	0,00			
30	18	0,607	0,607	0,613	0,615	0,00	0,00			
30	19	0,609	0,610	0,612	0,613	0,00	0,00			
30	20	0,610	0,610	0,612	0,612	0,00	0,00			
50	26	0,611	0,611	0,614	0,614	0,00	0,00	0,00	0,00	-3,00
50	27	0,609	0,609	0,613	0,613	0,00	0,00			
50	28	0,612	0,610	0,612	0,614	0,00	0,00			
50	29	0,610	0,610	0,612	0,612	0,00	0,00			
50	30	0,609	0,608	0,611	0,612	0,00	0,00			
Max		0,615	0,615	0,614	0,615	0,00	0,00			
Average		0,611	0,611	0,612	0,612	0,00	0,00			
Min		0,607	0,607	0,610	0,608	0,00	0,00			
Std Dev		0,002	0,002	0,001	0,002	0,00	0,00			



		VBSTD_FW100UA			
Units		V			
Max Limit		0.85			
Min Limit		0.45			
krad	Serial #	Pre-Test HR	Post-Test HR	Pre-Test LDR	Post-Test LDR
10	10	0,450	0,450	0,450	0,450
10	10	0,450	0,450	0,450	0,450
10	10	0,450	0,450	0,450	0,450
10	10	0,450	0,450	0,450	0,450
10	10	0,450	0,450	0,450	0,450

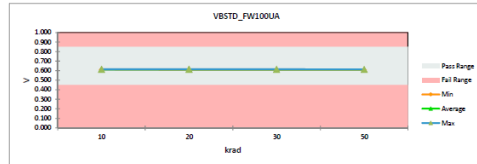


Figure 6-29. ELDRS_VBSTD_FW100UA

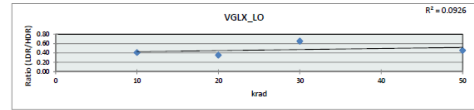
Appendix: ELDRS TID Report Data

ELDRS Report
DRV8351-SEP

		VGHX_HI								
Units		V								
Max Limit		1.2								
Min Limit		0.3								
krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio LDR/HDR
10	6	0.703	0.752	0.696	0.772	0.05	0.08	0.05	0.08	1.57
10	7	0.690	0.743	0.686	0.763	0.04	0.08			
10	8	0.697	0.748	0.699	0.773	0.05	0.07			
10	9	0.693	0.743	0.691	0.774	0.05	0.08			
10	10	0.689	0.748	0.684	0.771	0.05	0.08			
20	11	0.702	0.784	0.687	0.826	0.08	0.14	0.08	0.14	1.74
20	12	0.702	0.782	0.698	0.825	0.08	0.13			
20	13	0.700	0.780	0.683	0.826	0.08	0.14			
20	14	0.697	0.777	0.688	0.824	0.08	0.13			
20	15	0.701	0.780	0.688	0.84	0.08	0.15			
30	16	0.704	0.806	0.693	0.810	0.10	0.12	0.11	0.13	1.16
30	17	0.690	0.801	0.684	0.809	0.11	0.13			
30	18	0.694	0.803	0.691	0.794	0.11	0.10			
30	19	0.686	0.793	0.687	0.820	0.11	0.13			
30	20	0.696	0.804	0.691	0.828	0.11	0.14			
50	21	0.686	0.816	0.690	0.858	0.12	0.17	0.13	0.17	1.32
50	22	0.695	0.822	0.694	0.859	0.13	0.16			
50	23	0.686	0.816	0.687	0.852	0.13	0.17			
50	24	0.697	0.819	0.692	0.851	0.12	0.16			
50	25	0.686	0.823	0.684	0.877	0.13	0.19			
50	26	0.704	0.828	0.699	0.877	0.13	0.19			
50	27	0.697	0.808	0.690	0.818	0.09	0.13			
50	28	0.695	0.828	0.687	0.852	0.13	0.17			
50	29	0.686	0.819	0.692	0.851	0.12	0.16			
50	30	0.686	0.823	0.684	0.877	0.13	0.19			
50	31	0.704	0.828	0.699	0.877	0.13	0.19			
50	32	0.697	0.808	0.690	0.818	0.09	0.13			
50	33	0.695	0.828	0.687	0.852	0.13	0.17			
50	34	0.686	0.819	0.692	0.851	0.12	0.16			
50	35	0.686	0.823	0.684	0.877	0.13	0.19			
50	36	0.704	0.828	0.699	0.877	0.13	0.19			
50	37	0.697	0.808	0.690	0.818	0.09	0.13			
50	38	0.695	0.828	0.687	0.852	0.13	0.17			
50	39	0.686	0.819	0.692	0.851	0.12	0.16			
50	40	0.686	0.823	0.684	0.877	0.13	0.19			
50	41	0.704	0.828	0.699	0.877	0.13	0.19			
50	42	0.697	0.808	0.690	0.818	0.09	0.13			
50	43	0.695	0.828	0.687	0.852	0.13	0.17			
50	44	0.686	0.819	0.692	0.851	0.12	0.16			
50	45	0.686	0.823	0.684	0.877	0.13	0.19			
50	46	0.704	0.828	0.699	0.877	0.13	0.19			
50	47	0.697	0.808	0.690	0.818	0.09	0.13			
50	48	0.695	0.828	0.687	0.852	0.13	0.17			
50	49	0.686	0.819	0.692	0.851	0.12	0.16			
50	50	0.686	0.823	0.684	0.877	0.13	0.19			
50	51	0.704	0.828	0.699	0.877	0.13	0.19			
50	52	0.697	0.808	0.690	0.818	0.09	0.13			
50	53	0.695	0.828	0.687	0.852	0.13	0.17			
50	54	0.686	0.819	0.692	0.851	0.12	0.16			
50	55	0.686	0.823	0.684	0.877	0.13	0.19			
50	56	0.704	0.828	0.699	0.877	0.13	0.19			
50	57	0.697	0.808	0.690	0.818	0.09	0.13			
50	58	0.695	0.828	0.687	0.852	0.13	0.17			
50	59	0.686	0.819	0.692	0.851	0.12	0.16			
50	60	0.686	0.823	0.684	0.877	0.13	0.19			
50	61	0.704	0.828	0.699	0.877	0.13	0.19			
50	62	0.697	0.808	0.690	0.818	0.09	0.13			
50	63	0.695	0.828	0.687	0.852	0.13	0.17			
50	64	0.686	0.819	0.692	0.851	0.12	0.16			
50	65	0.686	0.823	0.684	0.877	0.13	0.19			
50	66	0.704	0.828	0.699	0.877	0.13	0.19			
50	67	0.697	0.808	0.690	0.818	0.09	0.13			
50	68	0.695	0.828	0.687	0.852	0.13	0.17			
50	69	0.686	0.819	0.692	0.851	0.12	0.16			
50	70	0.686	0.823	0.684	0.877	0.13	0.19			
50	71	0.704	0.828	0.699	0.877	0.13	0.19			
50	72	0.697	0.808	0.690	0.818	0.09	0.13			
50	73	0.695	0.828	0.687	0.852	0.13	0.17			
50	74	0.686	0.819	0.692	0.851	0.12	0.16			
50	75	0.686	0.823	0.684	0.877	0.13	0.19			
50	76	0.704	0.828	0.699	0.877	0.13	0.19			
50	77	0.697	0.808	0.690	0.818	0.09	0.13			
50	78	0.695	0.828	0.687	0.852	0.13	0.17			
50	79	0.686	0.819	0.692	0.851	0.12	0.16			
50	80	0.686	0.823	0.684	0.877	0.13	0.19			
50	81	0.704	0.828	0.699	0.877	0.13	0.19			
50	82	0.697	0.808	0.690	0.818	0.09	0.13			
50	83	0.695	0.828	0.687	0.852	0.13	0.17			
50	84	0.686	0.819	0.692	0.851	0.12	0.16			
50	85	0.686	0.823	0.684	0.877	0.13	0.19			
50	86	0.704	0.828	0.699	0.877	0.13	0.19			
50	87	0.697	0.808	0.690	0.818	0.09	0.13			
50	88	0.695	0.828	0.687	0.852	0.13	0.17			
50	89	0.686	0.819	0.692	0.851	0.12	0.16			
50	90	0.686	0.823	0.684	0.877	0.13	0.19			
50	91	0.704	0.828	0.699	0.877	0.13	0.19			
50	92	0.697	0.808	0.690	0.818	0.09	0.13			
50	93	0.695	0.828	0.687	0.852	0.13	0.17			
50	94	0.686	0.819	0.692	0.851	0.12	0.16			
50	95	0.686	0.823	0.684	0.877	0.13	0.19			
50	96	0.704	0.828	0.699	0.877	0.13	0.19			
50	97	0.697	0.808	0.690	0.818	0.09	0.13			
50	98	0.695	0.828	0.687	0.852	0.13	0.17			
50	99	0.686	0.819	0.692	0.851	0.12	0.16			
50	100	0.686	0.823	0.684	0.877	0.13	0.19			
50	101	0.704	0.828	0.699	0.877	0.13	0.19			
50	102	0.697	0.808	0.690	0.818	0.09	0.13			
50	103	0.695	0.828	0.687	0.852	0.13	0.17			
50	104	0.686	0.819	0.692	0.851	0.12	0.16			
50	105	0.686	0.823	0.684	0.877	0.13	0.19			
50	106	0.704	0.828	0.699	0.877	0.13	0.19			
50	107	0.697	0.808	0.690	0.818	0.09	0.13			
50	108	0.695	0.828	0.687	0.852	0.13	0.17			
50	109	0.686	0.819	0.692	0.851	0.12	0.16			
50	110	0.686	0.823	0.684	0.877	0.13	0.19			
50	111	0.704	0.828	0.699	0.877	0.13	0.19			
50	112	0.697	0.808	0.690	0.818	0.09	0.13			
50	113	0.695	0.828	0.687	0.852	0.13	0.17			
50	114	0.686	0.819	0.692	0.851	0.12	0.16			
50	115	0.686	0.823	0.684	0.877	0.13	0.19			
50	116	0.704	0.828	0.699	0.877	0.13	0.19			
50	117	0.697	0.808	0.690	0.818	0.09	0.13			
50	118	0.695	0.828	0.687	0.852	0.13	0.17			
50	119	0.686	0.819	0.692	0.851	0.12	0.16			
50	120	0.686	0.823	0.684	0.877	0.13	0.19			
50	121	0.704	0.828	0.699	0.877	0.13	0.19			
50	122	0.697	0.808	0.690	0.818	0.09	0.13			
50	123	0.695	0.828	0.687	0.852	0.13	0.17			
50	124	0.686	0.819	0.692	0.851	0.12	0.16			
50	125	0.686	0.823	0.684	0.877	0.13	0.19			
50	126	0.704	0.828	0.699	0.877	0.13	0.19			
50	127	0.697	0.808	0.690	0.818	0.09	0.13			
50	128	0.695	0.828	0.687	0.852	0.13	0.17			
50	129	0.686	0.819	0.692	0.851	0.12	0.16			
50	130	0.686	0.823	0.684	0.877	0.13	0.19			
50	131	0.704	0.828	0.699	0.877	0.13	0.19			
50	132	0.697	0.808	0.690	0.818	0.09	0.13			
50	133	0.695	0.828	0.687	0.852	0.13	0.17			
50	134	0.686	0.819	0.692	0.851	0.12	0.16			
50	135	0.686	0.823	0.684	0.877	0.13	0.19			
50	136	0.704	0.828	0.699	0.877	0.13	0.19			
50	137	0.697	0.808	0.690	0.818	0.09	0.13			
50	138	0.695	0.828	0.687	0.852	0.13	0.17			
50	139	0.686	0.819	0.6						

ELDRS Report
DRV8351-SEP

		VGLX_LO									
Units		V									
Max Limit		0.35									
Min Limit		0									
krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio LDR/HDR	
10	6	0.193	0.189	0.188	0.187	0.00	0.00	0.00	0.00	0.41	
10	7	0.190	0.189	0.184	0.182	-0.00	0.00	0.00	0.00		
10	8	0.192	0.185	0.190	0.192	-0.01	0.00	0.00	0.00		
10	9	0.193	0.189	0.188	0.186	0.00	0.00	0.00	0.00		
10	10	0.188	0.185	0.188	0.185	-0.01	0.00	0.00	0.00		
20	11	0.193	0.193	0.184	0.181	0.00	0.00	-0.01	0.00	0.36	
20	12	0.194	0.185	0.193	0.184	-0.01	-0.01	0.00	0.00		
20	13	0.194	0.184	0.185	0.182	-0.01	0.00	0.00	0.00		
20	14	0.195	0.183	0.188	0.183	-0.01	-0.01	0.00	0.00		
20	15	0.193	0.184	0.184	0.184	0.00	0.00	0.00	0.00		
30	16	0.194	0.189	0.185	0.184	-0.01	0.00	-0.01	0.00	0.55	
30	17	0.190	0.183	0.186	0.181	-0.01	0.00	0.00	0.00		
30	18	0.194	0.182	0.184	0.181	-0.01	0.00	0.00	0.00		
30	19	0.188	0.182	0.185	0.180	-0.01	-0.01	0.00	0.00		
30	20	0.195	0.181	0.188	0.181	-0.01	-0.01	0.00	0.00		
50	25	0.191	0.179	0.189	0.183	0.01	-0.01	-0.01	-0.01	0.45	
50	27	0.193	0.179	0.186	0.181	-0.01	-0.01	0.00	0.00		
50	28	0.188	0.180	0.185	0.180	-0.01	-0.01	0.00	0.00		
50	29	0.190	0.179	0.188	0.179	-0.01	-0.01	0.00	0.00		
50	30	0.192	0.180	0.184	0.179	-0.01	0.00	0.00	0.00		
50	31	0.198	0.193	0.193	0.192	0.00	0.00	0.00	0.00		
Max		0.192	0.184	0.186	0.183	-0.01	0.00				
Average		0.188	0.178	0.184	0.179	-0.01	-0.01				
Min		0.188	0.178	0.184	0.179	-0.01	-0.01				
Std Dev		0.003	0.004	0.002	0.003	0.00	0.00				



Units	VGLX_LO		V	
Max Limit	0.35			
Min Limit	0			
krad	10	20	30	50
LL	0.000	0.000	0.000	0.000
Min	0.182	0.181	0.180	0.175
Average	0.187	0.184	0.182	0.180
Max	0.192	0.193	0.189	0.183
UL	0.350	0.350	0.350	0.350

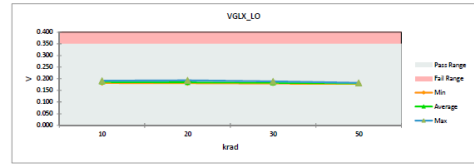
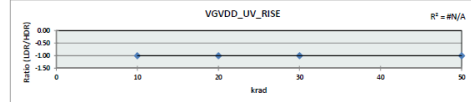


Figure 6-33. ELDRS_VGLX_LO

ELDRS Report
DRV8351-SEP

		VGVDV_UV_RISE									
Units		V									
Max Limit		4.7									
Min Limit		4.45									
krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio LDR/HDR	
10	6	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00	-1.00	
10	7	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
10	8	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
10	9	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
10	10	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
20	11	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00	-1.00	
20	12	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
20	13	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
20	14	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
30	16	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00	-1.00	
30	17	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
30	18	4.680	4.679	4.679	4.679	0.00	0.00	0.00	0.00		
30	19	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
30	20	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
50	25	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00	-1.00	
50	27	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
50	28	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
50	29	4.680	4.679	4.679	4.680	0.00	0.00	0.00	0.00		
50	30	4.680	4.680	4.679	4.680	0.00	0.00	0.00	0.00		
Max		4.680	4.680	4.679	4.680	0.00	0.00				
Average		4.680	4.679	4.679	4.679	0.00	0.00				
Min		4.680	4.679	4.679	4.679	0.00	0.00				
Std Dev		0.000	0.000	0.000	0.000	0.00	0.00				



Units	VGVDV_UV_RISE		V	
Max Limit	4.7			
Min Limit	4.45			
krad	10	20	30	50
LL	4.450	4.450	4.450	4.450
Min	4.679	4.679	4.679	4.679
Average	4.680	4.680	4.679	4.680
Max	4.680	4.680	4.680	4.680
UL	4.700	4.700	4.700	4.700

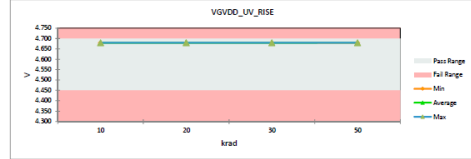
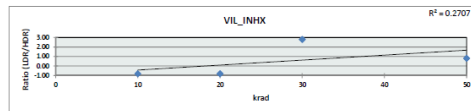


Figure 6-34. ELDRS_VGVDV_UV_RISE

ELDRS Report
DRV8351-SEP

		VIL_INHX									
Units		mV									
Max Limit		800									
Min Limit		0									
krad	Serial #	PreTestHDR	PostTestHDR	PreTestLDR	PostTestLDR	Delta HDR	Delta LDR	Median HDR	Median LDR	Ratio LDR/HDR	
10	6	-0.689	-0.652	-0.695	-0.188	0.04	-0.09	-0.34	0.28	-0.81	
10	7	-0.039	-1.138	-0.933	-0.156	-1.10	0.76				
10	8	-0.750	-1.091	-0.417	-0.215	-0.34	0.20				
10	9	-0.774	-1.164	-1.195	-0.362	-0.69	0.77				
10	10	-0.741	-0.802	-0.626	-0.420	-0.16	0.26				
20	11	-0.659	-0.476	-1.076	-1.213	0.18	-0.14	-0.20	0.16	-0.79	
20	12	-0.188	-1.128	-0.593	-0.235	-0.95	0.36				
20	13	-1.014	-0.755	-1.047	-0.890	0.26	0.16				
20	14	-0.046	-1.222	-1.018	-0.235	-1.18	0.78				
20	15	-0.689	-0.866	-0.287	-0.398	-0.00	-0.15				
30	16	-0.864	-0.769	-0.652	-0.919	0.10	-0.27	-0.10	-0.27	2.79	
30	17	-0.332	-1.127	-1.193	-1.076	-0.79	0.12				
30	18	-0.894	-0.869	-0.153	-1.131	-0.10	-0.86				
30	19	-0.420	-1.105	-0.988	-1.114	-0.68	-0.13				
30	20	-0.564	-0.564	-0.622	-1.027	0.04	-0.41				
50	26	-0.770	-0.959	-0.501	-1.154	-0.19	-0.25	-0.19	-0.15	0.82	
50	27	-0.926	-0.784	-0.638	-0.685	0.14	-0.05				
50	28	-0.567	-0.844	-1.021	-0.930	-0.28	0.09				
50	29	-0.663	-1.252	-0.739	-1.007	-0.59	-0.27				
50	30	-0.633	-0.827	-0.888	-1.143	-0.17	-0.15				
Max		-0.039	-0.476	-0.056	-0.158	0.26	0.21				
Average		-0.589	-0.932	-0.785	-0.752	-0.34	0.03				
Min		-1.014	-1.252	-1.193	-1.113	-1.18	-0.86				
Std Dev		0.426	0.473	0.807	0.393	0.45	0.43				



Units	VIL_INHX		mV	
Max Limit	800			
Min Limit	0			
krad	10	20	30	50
LL	0.000	0.000	0.000	0.000
Min	-1.164	-1.222	-1.131	-1.252
Average	-0.629	-0.799	-0.963	-0.958
Max	-0.156	-0.235	-0.564	-0.685
UL	800.000	800.000	800.000	800.000

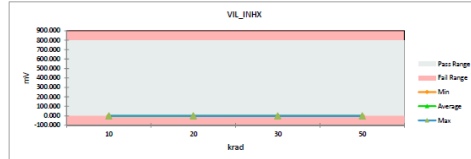


Figure 6-35. ELDRS_VIL_INHX

IMPORTANT NOTICE AND DISCLAIMER

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

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

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

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

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

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2024, Texas Instruments Incorporated