



**TOTAL DOSE RADIATION  
TEST REPORT  
No. ATN-RR-010/2012**

Issue: 2/Rev: Page: 1/10

Date: 2012/11/12

R.L: 2011902927/2011902949

<b>Component No</b> 5962-8680603VEA		<b>Component Designation:</b> UC1846J-SP	<b>Irradiation Spec. No.:</b> ESCC 22900 Issue 4
<b>Gen. Spec.:</b> MIL-PRF-38535 <b>Det. Spec.:</b> 5962-86806 <b>Amend.:</b> --		<b>Evaluation:</b> - <b>Acceptance Wafer:</b> - <b>Acceptance Lot:</b> X	<b>Project/Programme:</b> LDT (ESA) AO / 1-6172 / 09 / F / WE
<b>Family:</b> 08	<b>Group:</b> 69	<b>Functional Assignment:</b> High Speed Pulse Width Modulator Controller	<b>Package:</b> DIL-16
<b>Manuf.Name:</b> TEXAS INSTRUMENTS <b>Address:</b> USA		<b>Test House:</b> ATN <b>Address:</b> MADRID (SPAIN)	<b>Orig.house:</b> ATN <b>Address:</b> SEVILLA (SPAIN)
<b>Radiation Test Plan No.:</b> ATGSP-RP-82 Iss1		<b>Sample Size:</b> 22 <b>Irradiation Devices:</b> 20 <b>Control Devices:</b> 2	<b>Date Code:</b> 1102AA <b>Wafer Lot:</b> 8124614SHE (SHERMAN SFAB)
<b>Radiation Source:</b> Cobalt-60 <b>Facility Name:</b> ESA (ESTEC) <b>Address:</b> NOORDWIJK (HOLLAND)		<b>Energy:</b> 1.33/1.17 MeV <b>Dose Rate:</b> 35.4 & 323.7 rad(Si)/h	<b>Interest level:</b> 100krad(Si) <b>Maximum Test Level:</b> 100krad(Si)
<b>Irradiation Conditions:</b> <b>Biased:</b> X (10 samples) <b>Unbiased:</b> X (10 samples) <b>Test Circuit:</b> Figure 1		<b>Irradiation Measurements</b> <b>Interval:</b> <b>Remote test:</b> X <b>In situ Test:</b> --	<b>Annealing Tests:</b> 24h@25°C, 168h@100°C <b>Biased:</b> X (10 samples) <b>Unbiased:</b> X (10 samples) <b>Test Circuit:</b> Figure 1

**Electrical Measurements. Parameters Tested:**

$V_O$ ,  $V_{RLINE}$ ,  $V_{RLOAD}$ ,  $I_{OS}$ ,  $f_{OSC}$ ,  $\Delta f_{OSC}$ ,  $V_{SOH}$ ,  $V_{SOL}$ ,  $I_{SYNC(1)}$ ,  $V_{IO(1)}$ ,  $I_{IB(1)}$ ,  $I_{IO(1)}$ ,  $A_{VS}$ , **CMRR**, **PSRR**,  $I_{SYNC(2)}$ ,  $I_{SOURCE}$ ,  $V_{OH(1)}$ ,  $V_{OL(1)}$ ,  $A_V$ ,  $V_{IDIFF}$ ,  $V_{IO(2)}$ , **CMRR**<sub>(2)</sub>, **PSRR**<sub>(2)</sub>,  $I_{IB(2)}$ ,  $I_{IO(2)}$ ,  $V_{CLO}$ ,  $I_{IB(3)}$ ,  $V_{TH}$ ,  $V_{OL(2)}$ ,  $V_{OL(3)}$ ,  $V_{OH(2)}$ ,  $V_{OH(3)}$ ,  $+V_{SU-TH}$ ,  $I_{CC}$ .

**Prepared by.:** Antonio Romero Mallén  
**Date:** 2012/11/12  
**Signature:**

**Approved by.:** Eugenio Muñoz Plaza  
**Date:** 2012/11/12  
**Signature:**

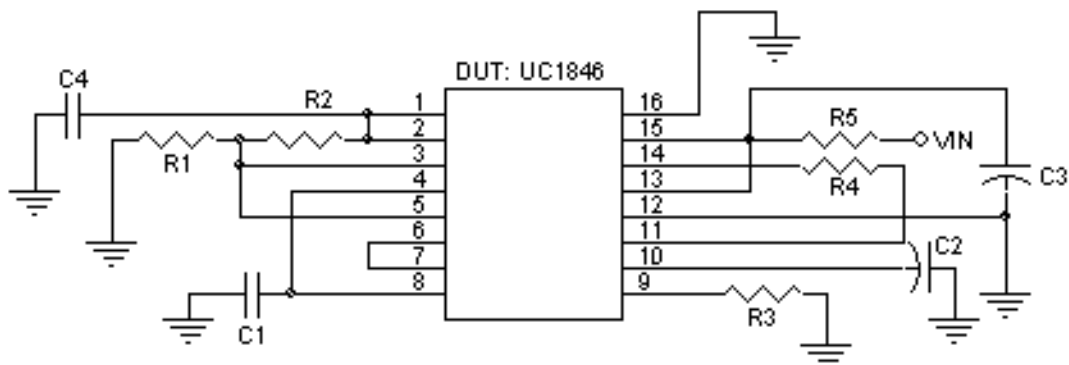
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DOCUMENT CHANGE CONTROL

Edition / Revision	Date	Affected Edition / Revision	Affected Paragraph / Modification
ATN-RR-010/2012 Iss.1	2012/09/28	--	First edition of this document.
ATN-RR-010/2012 Iss.2	2012/11/12	ATN-RR-010/2012 Iss.1	Footer on the pages updated with new issue of document format. Test house name updated.

**FIGURE 1.-RADIATION BIAS CIRCUITS**



VIN=14.0V±0.5V.

R1=R2=5.1kΩ ±5%, ½W.  
R3=6.2kΩ±1%, ½W.  
R4=2.15kΩ±1%, ½W.  
R5=10Ω±5%, ½W.

C1=0.01μF±5%.  
C2=100pF±10%.  
C3=1μF±10%. As closed to D.U.T. as possible.  
C4=68nF±10%.  
Capacitors are 50V rated for 125°C.

**Notes:**

1. Ten parts(5 ELDR+5 LDR) were irradiated biased ON, in accordance with the radiation bias circuit shown in Figure 1.
2. Ten parts(5 ELDR + 5 LDR) were irradiated biased OFF: the pins are short circuited and connected to ground.

## SUMMARY

In order to evaluate the behaviour of the samples between ELDR, LDR, ON and OFF biased, a total dose steady-state irradiation test has been carried out on a High Speed Pulse Width Modulator Controller, manufactured by TEXAS INSTRUMENTS, USA. The test was performed using two dose rate (35.4 rad(Si)/h and 323.7rad (Si)/h) until a total accumulated dose of 100krad(Si). The irradiated parts were labelled as follows:

Serial Number		Bias condition	Dose rate
R1	524	Control device	ELDR
R2	525	ON	
R3	526		
R4	527		
R5	528		
R6	529		
R7	530	OFF	
R8	531		
R9	532		
R10	536		
R11	534		
R1	537	Control device	LDR
R2	538	ON	
R3	539		
R4	540		
R5	541		
R6	542		
R7	545	OFF	
R8	546		
R9	547		
R10	548		
R11	549		

## RESULTS

The next table shows a resume of the irradiation test results.

ELDR									
	0Krad	6Krad	13Krad	20Krad	30Krad	50Krad	100Krad	ANN24	ANN168
V <sub>O</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>RLINE</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>RLOAD</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>OS</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
f <sub>OSC</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Δf <sub>OSC</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>SOH</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>SOL</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>SYNC(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>IO(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>IB(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>IO(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
A <sub>VS</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CMRR	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PSRR	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>SYNC(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>SOURCE</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OH(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OL(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
A <sub>V</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>IDIFF</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>IO(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CMRR <sub>(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PSRR <sub>(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>IB(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>IO(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>CLO</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>IB(3)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>TH</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OL(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OL(3)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OH(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OH(3)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
+V <sub>SU-TH</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>CC</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

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LDR									
	0Krad	6Krad	13Krad	20Krad	30Krad	50Krad	100Krad	ANN24	ANN168
V <sub>o</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>RLINE</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>RLOAD</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>os</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
f <sub>osc</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Δf <sub>osc</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>SOH</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>SOL</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>SYNC(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>IO(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>IB(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>IO(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
A <sub>vs</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CMRR	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PSRR	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>SYNC(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>SOURCE</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OH(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OL(1)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
A <sub>v</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>IDIFF</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>IO(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CMRR <sub>(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PSRR <sub>(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>IB(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>IO(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>CLO</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>IB(3)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>TH</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OL(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OL(3)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OH(2)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V <sub>OH(3)</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
+V <sub>SU-TH</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I <sub>cc-</sub>	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

The values measured and graphs with the evolution of the previous parameters during the irradiation test and annealing sequence are available in ANNEX I.



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## CONCLUSION

The results obtained during the irradiation test, show that this lot is slightly sensitive to the cumulative radiation dose when tested at dose rates of 35.4 rad(Si)/h and 323.7 rad(Si)/h up to a cumulative dose of 100krad(Si). However, all parameters are within limits during the whole irradiation test.

**SCHEDULE**

ELDR Average Dose Rate (1)	LDR Average Dose Rate (2)	Cummulative ELDR Total Dose	ELDR Measurement date	Cummulative LDR Total Dose	LDR Measurement date	Step Deviation ELDR vs LDR (%)
rad(Si)/h	rad(Si)/h	krad(Si)	--	krad(Si)	--	
--	--	0	2012/02/15	0	2012/06/04	--
35.41	323.7	5240	2012/02/21	5707	2012/06/05	8.9
		12168	2012/02/29	13362	2012/06/06	9.8
		19201	2012/03/08	20644	2012/06/07	7.5
		28612	2012/03/19	28167	2012/06/08	-1.5
		48417	2012/04/11	48498	2012/06/11	0.1
		106074	2012/06/18	102360	2012/06/18	-3.7
Annealing						
ann24h @25°C	24	--	2012/06/19	--	2012/06/19	
ann168h @100°C	168	--	2012/06/26	--	2012/06/26	

(1) The minimum and maximum dose rate registered were 18.6rad (Si)/h and 38.9rad (Si)/h respectively.

(2) The minimum and maximum dose rate registered were 271.2 rad(Si)/h and 360.6 rad(Si)/h respectively.

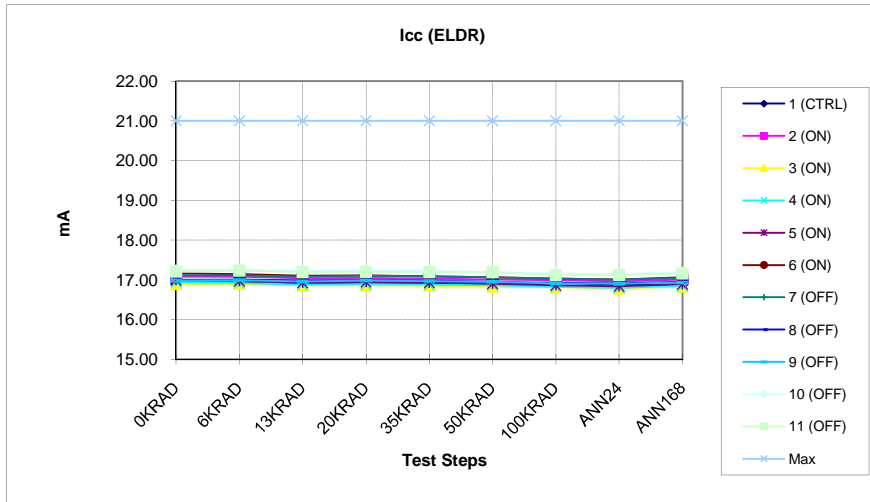
**ELECTRICAL MEASUREMENTS EQUIPMENT LIST**

REF INVENT	DESCRIPTION	MFR	MODEL	CALIBRATION DUE	USAGE
LE0124.000	UNIVERSAL TEST SYSTEM	SZ	M-3000	2012/08/15	0,6,13,20,35,50,100Krad, ANN24, ANN168
N/A	TEST ADAPTER	SZ	UNIVERSAL FRONT ADAPTER	--	0,6,13,20,35,50,100Krad, ANN24, ANN168
LE0080.015	MATRIX	SZ	SMX32B	--	0,6,13,20,35,50,100Krad, ANN24, ANN168

Note 1: This part type was measured with a Universal Test Adapter with serial number 913842 propriety of ESA.



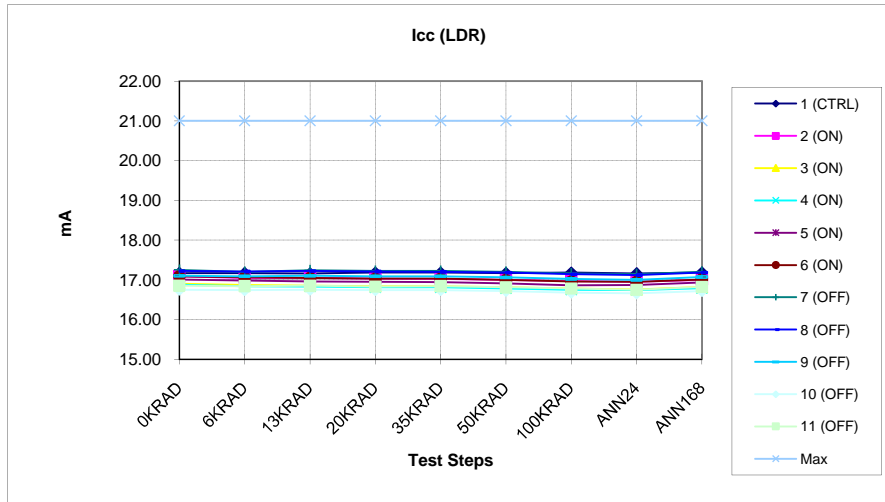
## **ANNEX I ELECTRICAL MEASUREMENTS GRAPHS**



Icc (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	21	21	21	21	21	21	21	21	21
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
<b>Control Results</b>									
1 (CTRL)	16.90	16.92	16.90	16.92	16.91	16.90	16.93	16.87	16.88

<b>Bias on results</b>									
2 (ON)	17.08	17.08	17.04	17.05	17.03	17.01	16.99	16.96	17.01
3 (ON)	16.89	16.90	16.86	16.86	16.85	16.83	16.81	16.78	16.83
4 (ON)	16.94	16.92	16.88	16.89	16.88	16.86	16.82	16.80	16.85
5 (ON)	16.99	16.97	16.93	16.94	16.93	16.90	16.86	16.84	16.89
6 (ON)	17.16	17.14	17.10	17.11	17.09	17.06	17.03	17.01	17.06
<b>Statistics bias on</b>									
min result	16.89	16.90	16.86	16.86	16.85	16.83	16.81	16.78	16.83
max result	17.16	17.14	17.10	17.11	17.09	17.06	17.03	17.01	17.06
average	17.01	17.00	16.96	16.97	16.96	16.93	16.90	16.88	16.93
sigma	0.11	0.10	0.10	0.11	0.10	0.10	0.10	0.10	0.10

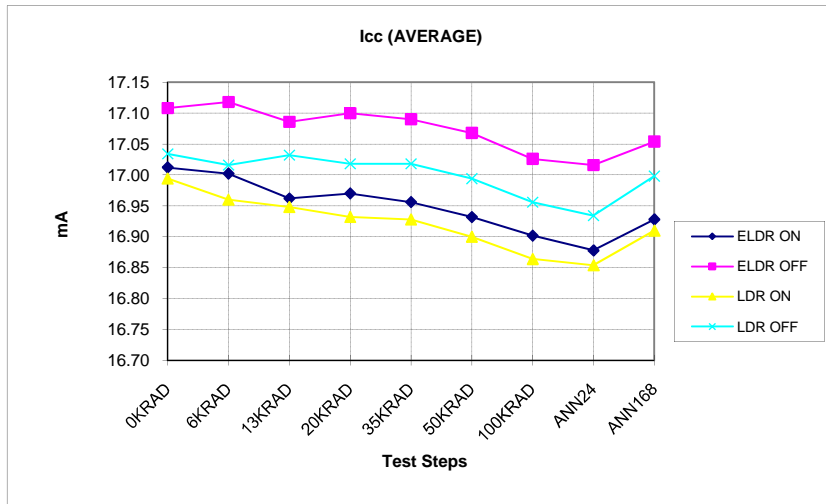
<b>Bias off results</b>									
7 (OFF)	17.11	17.11	17.08	17.10	17.09	17.06	17.03	17.01	17.05
8 (OFF)	17.00	17.01	16.98	16.99	16.98	16.95	16.92	16.91	16.95
9 (OFF)	16.98	16.99	16.96	16.98	16.97	16.95	16.91	16.90	16.93
10 (OFF)	17.24	17.25	17.22	17.23	17.22	17.19	17.15	17.14	17.18
11 (OFF)	17.21	17.23	17.19	17.20	17.19	17.19	17.12	17.12	17.16
<b>Statistics bias off</b>									
min result	16.98	16.99	16.96	16.98	16.97	16.95	16.91	16.90	16.93
max result	17.24	17.25	17.22	17.23	17.22	17.19	17.15	17.14	17.18
average	17.11	17.12	17.09	17.10	17.09	17.07	17.03	17.02	17.05
sigma	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.12



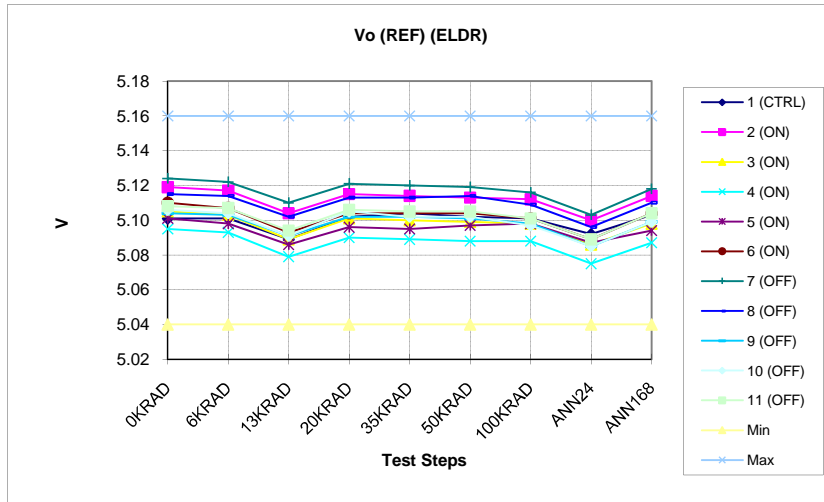
Icc (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	21	21	21	21	21	21	21	21	21
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
<b>Control Results</b>									
1 (CTRL)	17.17	17.17	17.16	17.18	17.18	17.17	17.18	17.16	17.18

<b>Bias on results</b>									
2 (ON)	17.09	17.05	17.05	17.03	17.02	17.00	16.97	16.95	17.00
3 (ON)	16.90	16.87	16.85	16.84	16.84	16.81	16.78	16.76	16.82
4 (ON)	16.88	16.84	16.83	16.81	16.81	16.78	16.75	16.74	16.79
5 (ON)	17.01	16.98	16.96	16.95	16.94	16.91	16.86	16.87	16.93
6 (ON)	17.09	17.06	17.05	17.03	17.03	17.00	16.96	16.95	17.01
<b>Statistics bias on</b>									
min result	16.88	16.84	16.83	16.81	16.81	16.78	16.75	16.74	16.79
max result	17.09	17.06	17.05	17.03	17.03	17.00	16.97	16.95	17.01
average	16.99	16.96	16.95	16.93	16.93	16.90	16.86	16.85	16.91
sigma	0.10	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10

<b>Bias off results</b>									
7 (OFF)	17.25	17.20	17.24	17.22	17.22	17.20	17.16	17.14	17.20
8 (OFF)	17.22	17.21	17.22	17.21	17.20	17.18	17.14	17.12	17.18
9 (OFF)	17.10	17.09	17.10	17.09	17.09	17.06	17.02	17.00	17.07
10 (OFF)	16.75	16.74	16.75	16.74	16.74	16.72	16.68	16.66	16.72
11 (OFF)	16.85	16.84	16.85	16.83	16.84	16.81	16.78	16.75	16.82
<b>Statistics bias off</b>									
min result	16.75	16.74	16.75	16.74	16.74	16.72	16.68	16.66	16.72
max result	17.25	17.21	17.24	17.22	17.22	17.20	17.16	17.14	17.20
average	17.03	17.02	17.03	17.02	17.02	16.99	16.96	16.93	17.00
sigma	0.22	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.22



Icc (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	17.01	17.00	16.96	16.97	16.96	16.93	16.90	16.88	16.93
ELDR OFF	17.11	17.12	17.09	17.10	17.09	17.07	17.03	17.02	17.05
LDR ON	16.99	16.96	16.95	16.93	16.93	16.90	16.86	16.85	16.91
LDR OFF	17.03	17.02	17.03	17.02	17.02	16.99	16.96	16.93	17.00

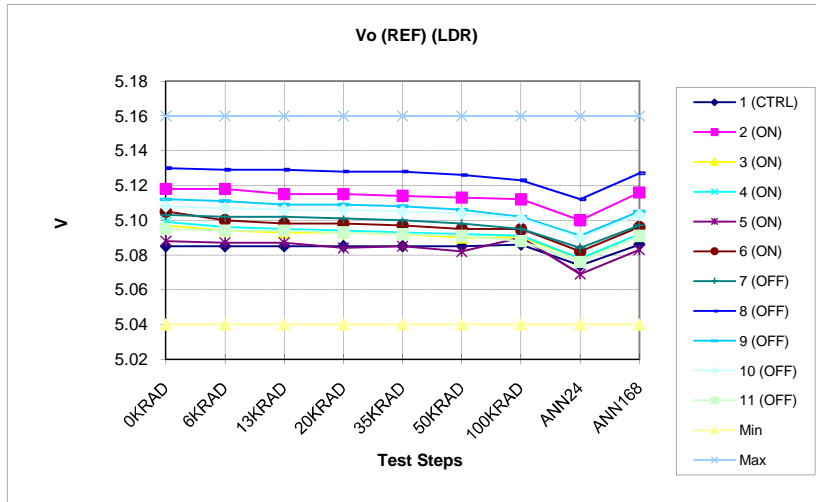


Vo (REF) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04
Max	5.16	5.16	5.16	5.16	5.16	5.16	5.16	5.16	5.16
Unit	V	V	V	V	V	V	V	V	V

Control Results									
1 (CTRL)	5.101	5.101	5.089	5.102	5.104	5.102	5.101	5.092	5.103

Bias on results									
2 (ON)	5.119	5.117	5.104	5.115	5.114	5.113	5.112	5.1	5.114
3 (ON)	5.105	5.103	5.089	5.101	5.1	5.099	5.098	5.086	5.098
4 (ON)	5.095	5.093	5.079	5.09	5.089	5.088	5.088	5.075	5.087
5 (ON)	5.101	5.098	5.086	5.096	5.095	5.097	5.098	5.087	5.094
6 (ON)	5.11	5.107	5.093	5.104	5.104	5.104	5.101	5.089	5.104
Statistics bias on									
min result	5.095	5.093	5.079	5.090	5.089	5.088	5.088	5.075	5.087
max result	5.119	5.117	5.104	5.115	5.114	5.113	5.112	5.100	5.114
average	5.106	5.104	5.090	5.101	5.100	5.100	5.099	5.087	5.099
sigma	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010

Bias off results									
7 (OFF)	5.124	5.122	5.11	5.121	5.12	5.119	5.116	5.103	5.118
8 (OFF)	5.115	5.114	5.102	5.113	5.113	5.114	5.109	5.096	5.11
9 (OFF)	5.104	5.103	5.091	5.102	5.102	5.101	5.098	5.085	5.099
10 (OFF)	5.106	5.104	5.091	5.105	5.102	5.102	5.097	5.085	5.099
11 (OFF)	5.108	5.107	5.094	5.106	5.105	5.105	5.101	5.089	5.104
Statistics bias off									
min result	5.104	5.103	5.091	5.102	5.102	5.101	5.097	5.085	5.099
max result	5.124	5.122	5.110	5.121	5.120	5.119	5.116	5.103	5.118
average	5.111	5.110	5.098	5.109	5.108	5.108	5.104	5.092	5.106
sigma	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008



Vo (REF) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04
Max	5.16	5.16	5.16	5.16	5.16	5.16	5.16	5.16	5.16
Unit	V	V	V	V	V	V	V	V	V

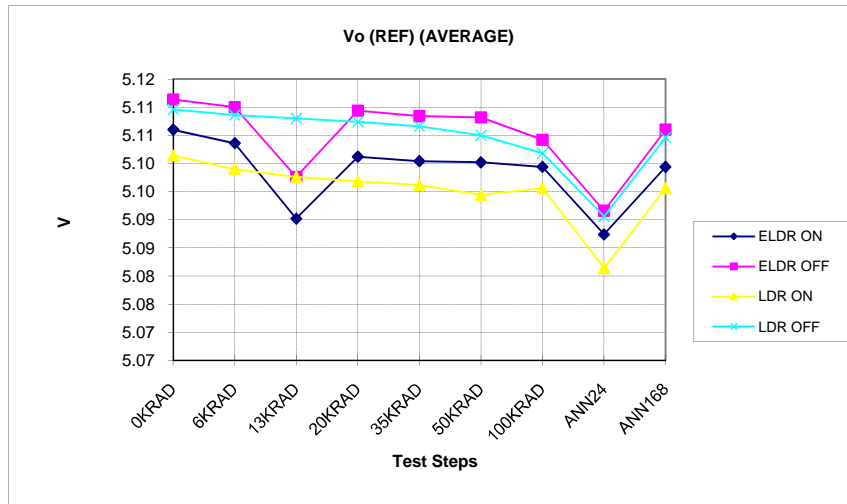
Control Results									
1 (CTRL)	5.085	5.085	5.085	5.085	5.085	5.085	5.086	5.074	5.086

Bias on results									
2 (ON)	5.118	5.118	5.115	5.115	5.114	5.113	5.112	5.1	5.116
3 (ON)	5.097	5.094	5.093	5.093	5.092	5.09	5.09	5.078	5.091
4 (ON)	5.099	5.096	5.095	5.094	5.093	5.092	5.091	5.078	5.092
5 (ON)	5.088	5.087	5.087	5.084	5.085	5.082	5.09	5.069	5.083
6 (ON)	5.105	5.1	5.098	5.098	5.097	5.095	5.095	5.082	5.096

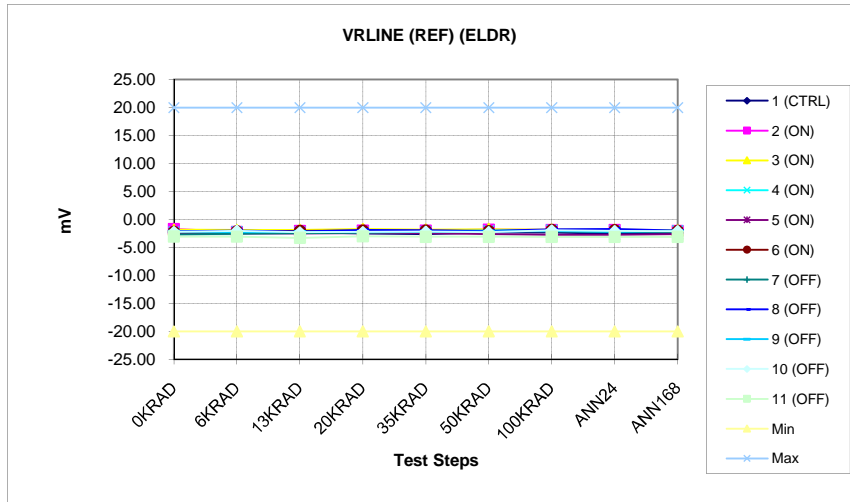
Statistics bias on									
min result	5.088	5.087	5.087	5.084	5.085	5.082	5.090	5.069	5.083
max result	5.118	5.118	5.115	5.115	5.114	5.113	5.112	5.100	5.116
average	5.101	5.099	5.098	5.097	5.096	5.094	5.096	5.081	5.096
sigma	0.011	0.012	0.011	0.011	0.011	0.011	0.009	0.011	0.012

Bias off results									
7 (OFF)	5.103	5.102	5.102	5.101	5.1	5.098	5.095	5.084	5.097
8 (OFF)	5.13	5.129	5.129	5.128	5.128	5.126	5.123	5.112	5.127
9 (OFF)	5.112	5.111	5.109	5.109	5.108	5.106	5.102	5.091	5.105
10 (OFF)	5.108	5.107	5.106	5.106	5.105	5.104	5.101	5.09	5.103
11 (OFF)	5.095	5.094	5.094	5.093	5.092	5.091	5.088	5.076	5.091

Statistics bias off									
min result	5.095	5.094	5.094	5.093	5.092	5.091	5.088	5.076	5.091
max result	5.130	5.129	5.129	5.128	5.128	5.126	5.123	5.112	5.127
average	5.110	5.109	5.108	5.107	5.107	5.105	5.102	5.091	5.105
sigma	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.014



Vo (REF) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	5.106	5.104	5.090	5.101	5.100	5.100	5.099	5.087	5.099
ELDR OFF	5.111	5.110	5.098	5.109	5.108	5.108	5.104	5.092	5.106
LDR ON	5.101	5.099	5.098	5.097	5.096	5.094	5.096	5.081	5.096
LDR OFF	5.110	5.109	5.108	5.107	5.107	5.105	5.102	5.091	5.105

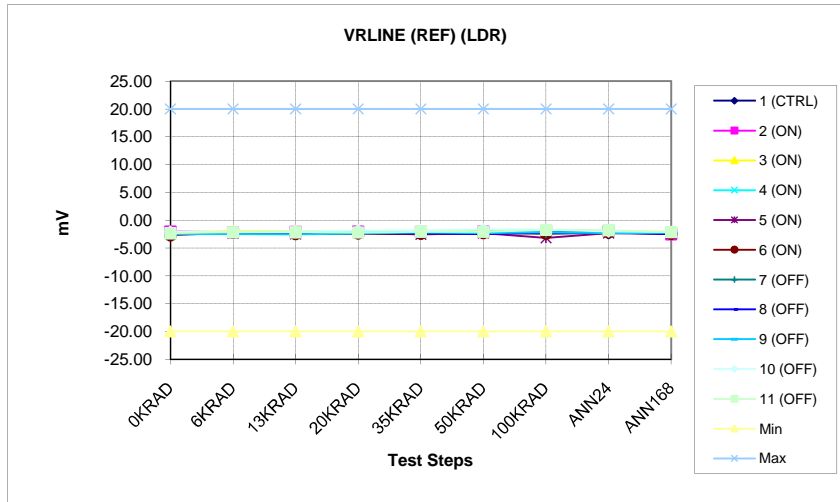


VRLINE (REF) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-20	-20	-20	-20	-20	-20	-20	-20	-20
Max	20	20	20	20	20	20	20	20	20
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
1 (CTRL)	-2.31	-2.14	-2.28	-2.53	-2.61	-2.33	-2.31	-2.57	-2.43

<b>Bias on results</b>									
2 (ON)	-1.74	-2.22	-2.04	-2.02	-2.02	-1.82	-1.87	-1.91	-2.05
3 (ON)	-1.83	-1.91	-1.88	-1.74	-1.82	-1.74	-1.81	-1.84	-1.95
4 (ON)	-2.21	-2.19	-2.25	-2.24	-2.19	-2.02	-1.90	-1.98	-1.98
5 (ON)	-2.56	-2.52	-2.52	-2.45	-2.44	-2.62	-2.72	-2.76	-2.61
6 (ON)	-2.24	-2.14	-2.07	-1.99	-1.98	-2.13	-1.91	-1.95	-2.09
<b>Statistics bias on</b>									
min result	-2.56	-2.52	-2.52	-2.45	-2.44	-2.62	-2.72	-2.76	-2.61
max result	-1.74	-1.91	-1.88	-1.74	-1.82	-1.74	-1.81	-1.84	-1.95
average	-2.11	-2.19	-2.15	-2.09	-2.09	-2.06	-2.04	-2.09	-2.13
sigma	0.34	0.22	0.25	0.27	0.23	0.35	0.38	0.38	0.27

<b>Bias off results</b>									
7 (OFF)	-2.66	-2.58	-2.46	-2.42	-2.25	-2.13	-2.17	-2.27	-2.24
8 (OFF)	-2.14	-1.99	-2.19	-1.89	-1.95	-2.07	-1.74	-1.72	-2.02
9 (OFF)	-2.18	-2.28	-2.20	-2.27	-2.22	-2.15	-2.03	-2.21	-2.08
10 (OFF)	-2.24	-2.03	-2.28	-2.23	-2.18	-2.27	-1.94	-2.07	-2.10
11 (OFF)	-3.06	-3.07	-3.29	-3.01	-3.11	-3.11	-3.11	-3.14	-3.12
<b>Statistics bias off</b>									
min result	-3.06	-3.07	-3.29	-3.01	-3.11	-3.11	-3.11	-3.14	-3.12
max result	-2.14	-1.99	-2.19	-1.89	-1.95	-2.07	-1.74	-1.72	-2.02
average	-2.45	-2.39	-2.48	-2.36	-2.34	-2.34	-2.20	-2.28	-2.31
sigma	0.40	0.44	0.47	0.41	0.44	0.43	0.53	0.52	0.46

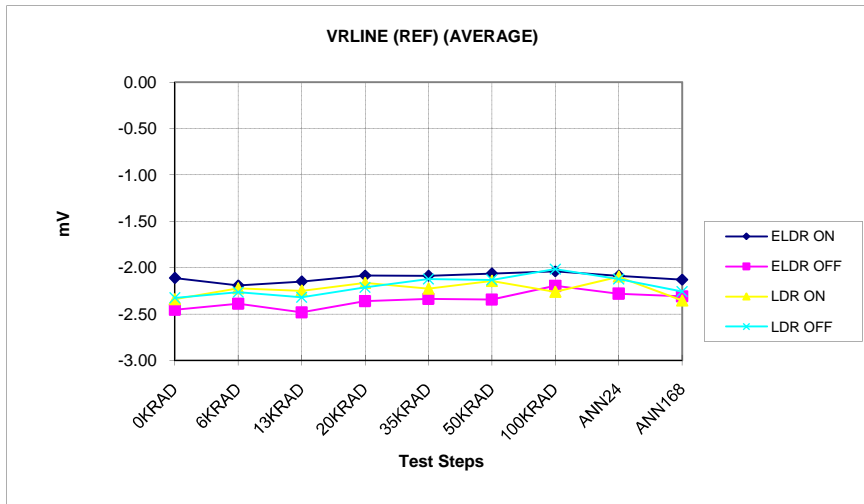




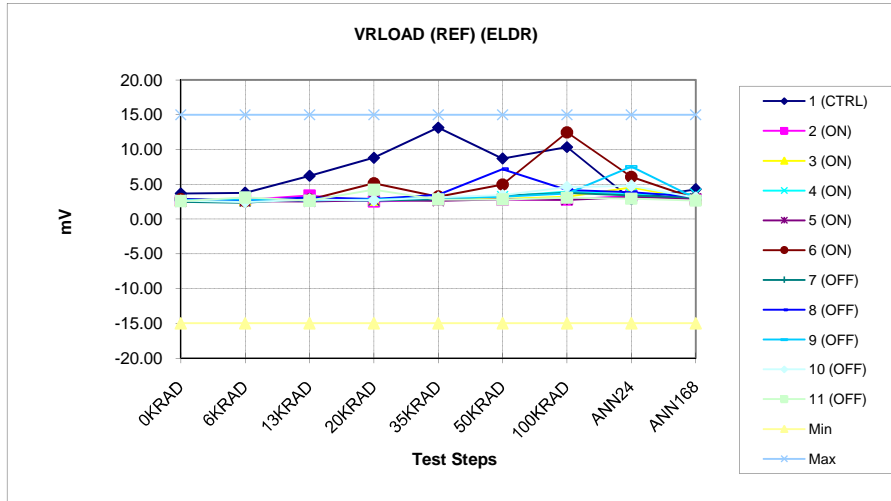
VRLINE (REF) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-20	-20	-20	-20	-20	-20	-20	-20	-20
Max	20	20	20	20	20	20	20	20	20
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
1 (CTRL)	-2.38	-2.28	-2.28	-2.36	-2.42	-2.26	-2.39	-2.33	-2.40

<b>Bias on results</b>									
2 (ON)	-2.04	-2.18	-2.09	-2.07	-2.10	-2.07	-1.85	-1.93	-2.52
3 (ON)	-2.17	-1.99	-1.95	-1.96	-1.92	-1.96	-1.84	-2.01	-2.09
4 (ON)	-2.46	-2.32	-2.22	-2.17	-2.15	-2.04	-2.04	-2.07	-2.32
5 (ON)	-2.34	-2.37	-2.50	-2.26	-2.55	-2.34	-3.19	-2.30	-2.41
6 (ON)	-2.70	-2.26	-2.49	-2.38	-2.43	-2.31	-2.41	-2.19	-2.44
<b>Statistics bias on</b>									
min result	-2.70	-2.37	-2.50	-2.38	-2.55	-2.34	-3.19	-2.30	-2.52
max result	-2.04	-1.99	-1.95	-1.96	-1.92	-1.96	-1.84	-1.93	-2.09
average	-2.34	-2.22	-2.25	-2.17	-2.23	-2.14	-2.26	-2.10	-2.35
sigma	0.26	0.15	0.24	0.16	0.25	0.17	0.57	0.15	0.17

<b>Bias off results</b>									
7 (OFF)	-2.39	-2.22	-2.47	-2.31	-2.21	-2.19	-2.24	-2.25	-2.25
8 (OFF)	-2.34	-2.34	-2.43	-2.31	-2.36	-2.49	-2.21	-2.19	-2.52
9 (OFF)	-2.49	-2.52	-2.53	-2.38	-2.20	-2.31	-2.17	-2.34	-2.27
10 (OFF)	-2.07	-2.08	-1.99	-1.85	-1.78	-1.61	-1.70	-2.02	-2.12
11 (OFF)	-2.35	-2.18	-2.18	-2.22	-2.07	-2.08	-1.76	-1.83	-2.14
<b>Statistics bias off</b>									
min result	-2.49	-2.52	-2.53	-2.38	-2.36	-2.49	-2.24	-2.34	-2.52
max result	-2.07	-2.08	-1.99	-1.85	-1.78	-1.61	-1.70	-1.83	-2.12
average	-2.33	-2.26	-2.32	-2.21	-2.12	-2.13	-2.02	-2.12	-2.26
sigma	0.15	0.17	0.23	0.21	0.22	0.33	0.26	0.20	0.16



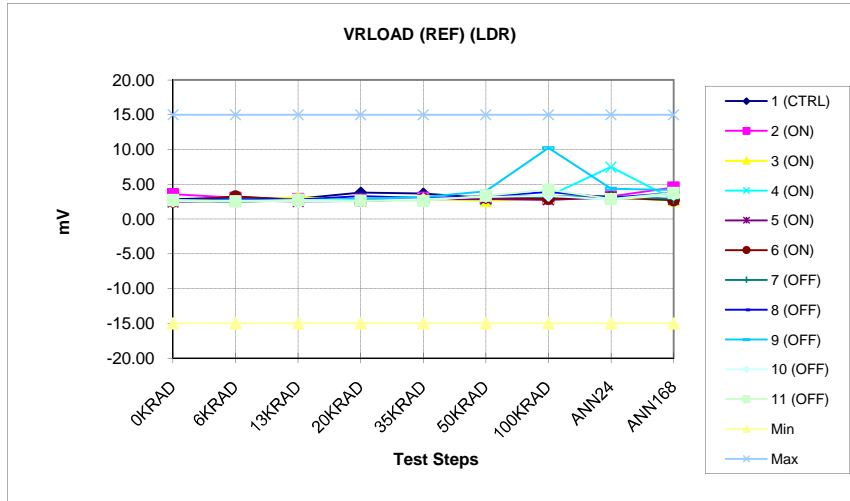
VRLINE (REF) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-2.11	-2.19	-2.15	-2.09	-2.09	-2.06	-2.04	-2.09	-2.13
ELDR OFF	-2.45	-2.39	-2.48	-2.36	-2.34	-2.34	-2.20	-2.28	-2.31
LDR ON	-2.34	-2.22	-2.25	-2.17	-2.23	-2.14	-2.26	-2.10	-2.35
LDR OFF	-2.33	-2.26	-2.32	-2.21	-2.12	-2.13	-2.02	-2.12	-2.26



VRLOAD (REF) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-15	-15	-15	-15	-15	-15	-15	-15	-15
Max	15	15	15	15	15	15	15	15	15
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
1 (CTRL)	3.65	3.78	6.21	8.81	13.16	8.70	10.35	2.83	4.28

<b>Bias on results</b>									
2 (ON)	2.62	2.75	3.39	2.52	2.79	2.77	2.80	3.34	2.80
3 (ON)	2.71	2.71	2.77	2.77	2.88	2.89	3.23	4.53	2.88
4 (ON)	2.70	2.59	2.67	2.68	2.88	3.26	3.96	3.55	3.62
5 (ON)	2.53	2.58	2.51	2.71	2.63	2.85	2.76	3.16	2.92
6 (ON)	2.87	2.59	2.81	5.13	3.23	4.96	12.46	6.07	2.93
<b>Statistics bias on</b>									
min result	2.53	2.58	2.51	2.52	2.63	2.77	2.76	3.16	2.80
max result	2.87	2.75	3.39	5.13	3.23	4.96	12.46	6.07	3.62
average	2.68	2.64	2.83	3.16	2.88	3.34	5.04	4.13	3.03
sigma	0.13	0.08	0.34	1.10	0.22	0.92	4.17	1.21	0.33

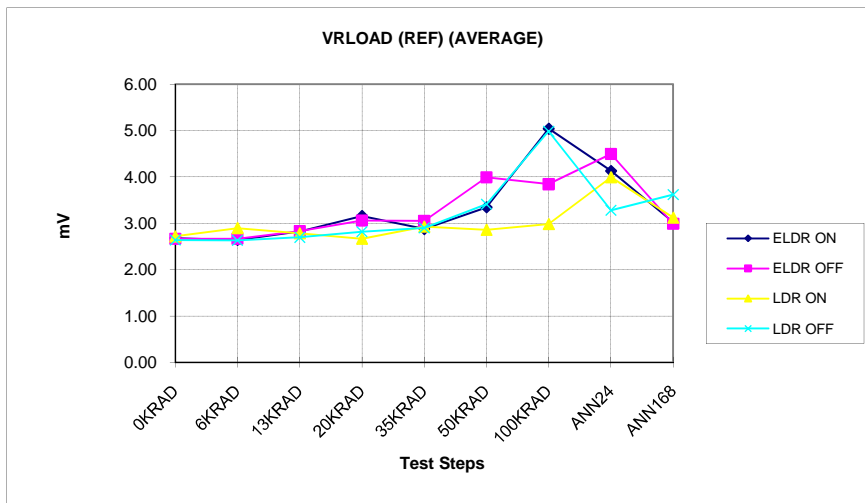
<b>Bias off results</b>									
7 (OFF)	2.48	2.32	2.93	2.67	2.84	3.34	3.74	3.39	3.06
8 (OFF)	2.90	2.68	3.13	2.91	3.50	7.19	4.16	3.84	3.19
9 (OFF)	2.75	2.81	2.65	2.82	3.00	3.21	3.67	7.52	3.00
10 (OFF)	2.64	2.45	2.81	2.71	3.10	3.42	4.60	4.79	3.08
11 (OFF)	2.58	3.09	2.63	4.21	2.81	2.81	3.06	2.94	2.65
<b>Statistics bias off</b>									
min result	2.48	2.32	2.63	2.67	2.81	2.81	3.06	2.94	2.65
max result	2.90	3.09	3.13	4.21	3.50	7.19	4.60	7.52	3.19
average	2.67	2.67	2.83	3.06	3.05	3.99	3.84	4.49	2.99
sigma	0.16	0.30	0.21	0.65	0.28	1.80	0.58	1.82	0.21



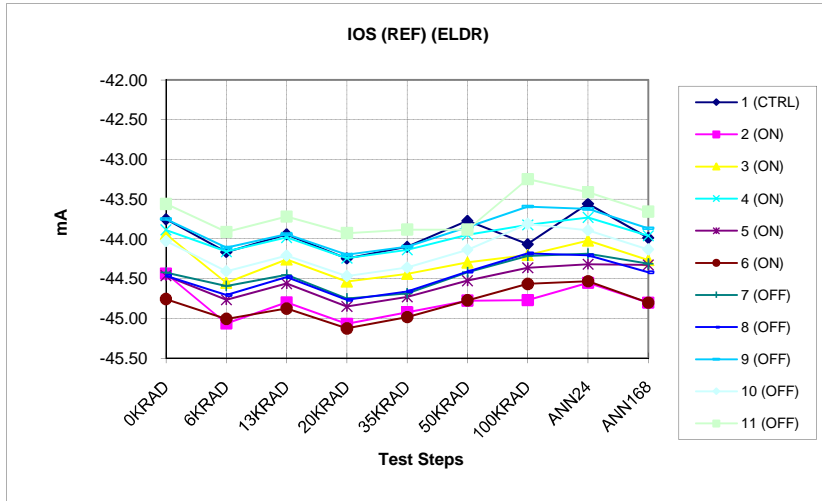
VRLOAD (REF) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-15	-15	-15	-15	-15	-15	-15	-15	-15
Max	15	15	15	15	15	15	15	15	15
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
1 (CTRL)	2.85	3.09	2.92	3.81	3.66	3.02	2.93	3.01	2.74

<b>Bias on results</b>									
2 (ON)	3.56	3.08	2.89	2.77	3.05	2.91	2.93	3.24	4.52
3 (ON)	2.63	2.68	3.13	2.73	2.94	2.60	3.06	3.04	2.71
4 (ON)	2.47	2.76	2.66	2.64	2.96	2.79	3.28	7.47	2.85
5 (ON)	2.43	2.71	2.53	2.60	2.84	2.89	2.74	3.12	2.84
6 (ON)	2.52	3.26	2.72	2.62	2.87	3.11	2.92	3.10	2.69
<b>Statistics bias on</b>									
min result	2.43	2.68	2.53	2.60	2.84	2.60	2.74	3.04	2.69
max result	3.56	3.26	3.13	2.77	3.05	3.11	3.28	7.47	4.52
average	2.72	2.90	2.78	2.67	2.93	2.86	2.98	3.99	3.12
sigma	0.48	0.26	0.23	0.07	0.08	0.19	0.20	1.94	0.79

<b>Bias off results</b>									
7 (OFF)	2.60	2.49	2.70	2.67	2.83	3.31	3.23	3.30	2.87
8 (OFF)	2.64	2.82	2.80	3.28	3.02	3.26	3.92	3.08	3.78
9 (OFF)	2.70	2.71	2.72	2.94	3.18	3.97	10.21	4.36	4.19
10 (OFF)	2.54	2.62	2.52	2.56	2.87	3.17	3.35	2.79	3.50
11 (OFF)	2.73	2.53	2.76	2.66	2.62	3.36	4.22	2.89	3.76
<b>Statistics bias off</b>									
min result	2.54	2.49	2.52	2.56	2.62	3.17	3.23	2.79	2.87
max result	2.73	2.82	2.80	3.28	3.18	3.97	10.21	4.36	4.19
average	2.64	2.63	2.70	2.82	2.90	3.41	4.98	3.28	3.62
sigma	0.08	0.13	0.11	0.29	0.21	0.32	2.95	0.63	0.49



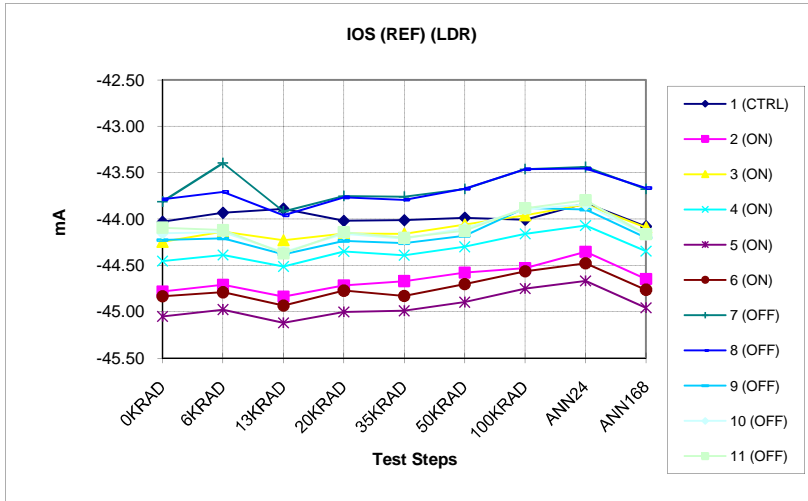
RLOAD (REF) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	2.68	2.64	2.83	3.16	2.88	3.34	5.04	4.13	3.03
ELDR OFF	2.67	2.67	2.83	3.06	3.05	3.99	3.84	4.49	2.99
LDR ON	2.72	2.90	2.78	2.67	2.93	2.86	2.98	3.99	3.12
LDR OFF	2.64	2.63	2.70	2.82	2.90	3.41	4.98	3.28	3.62



IOS (REF) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	--	--	--	--	--	--	--	--	--
<b>Max</b>	-10	-10	-10	-10	-10	-10	-10	-10	-10
<b>Unit</b>	mA	mA	mA	mA	mA	mA	mA	mA	mA
<b>Control Results</b>									
<b>1 (CTRL)</b>	-43.75	-44.17	-43.94	-44.25	-44.10	-43.77	-44.07	-43.56	-43.99

<b>Bias on results</b>									
<b>2 (ON)</b>	-44.44	-45.06	-44.80	-45.07	-44.92	-44.78	-44.77	-44.55	-44.80
<b>3 (ON)</b>	-43.94	-44.55	-44.26	-44.54	-44.44	-44.30	-44.20	-44.02	-44.27
<b>4 (ON)</b>	-43.89	-44.16	-43.98	-44.24	-44.14	-43.95	-43.82	-43.73	-43.96
<b>5 (ON)</b>	-44.46	-44.77	-44.56	-44.85	-44.73	-44.53	-44.36	-44.32	-44.33
<b>6 (ON)</b>	-44.76	-45.01	-44.88	-45.13	-44.98	-44.77	-44.57	-44.53	-44.80
<b>Statistics bias on</b>									
<b>min result</b>	-44.76	-45.06	-44.88	-45.13	-44.98	-44.78	-44.77	-44.55	-44.80
<b>max result</b>	-43.89	-44.16	-43.98	-44.24	-44.14	-43.95	-43.82	-43.73	-43.96
<b>average</b>	-44.30	-44.71	-44.50	-44.77	-44.64	-44.46	-44.35	-44.23	-44.43
<b>sigma</b>	0.37	0.37	0.37	0.37	0.35	0.35	0.36	0.35	0.37

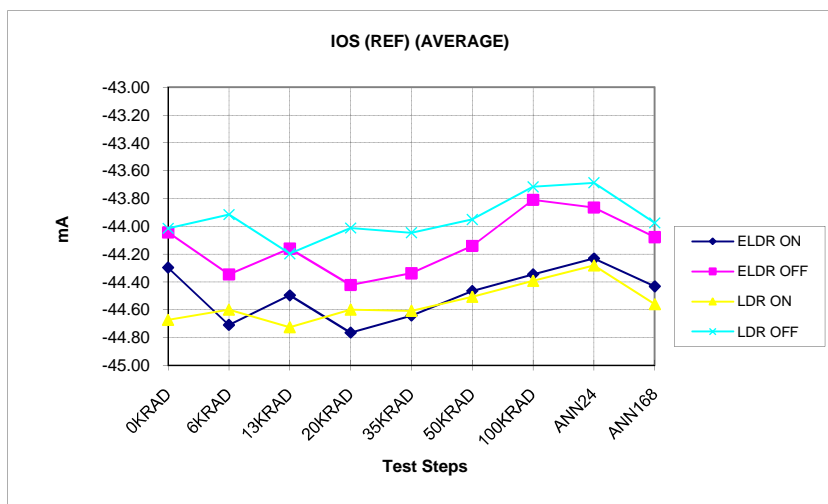
<b>Bias off results</b>									
<b>7 (OFF)</b>	-44.42	-44.59	-44.45	-44.75	-44.69	-44.42	-44.21	-44.19	-44.31
<b>8 (OFF)</b>	-44.46	-44.71	-44.48	-44.77	-44.66	-44.41	-44.18	-44.21	-44.42
<b>9 (OFF)</b>	-43.75	-44.11	-43.94	-44.20	-44.10	-43.85	-43.59	-43.62	-43.87
<b>10 (OFF)</b>	-44.03	-44.41	-44.21	-44.47	-44.36	-44.14	-43.81	-43.89	-44.13
<b>11 (OFF)</b>	-43.56	-43.91	-43.72	-43.93	-43.88	-43.88	-43.25	-43.41	-43.66
<b>Statistics bias off</b>									
<b>min result</b>	-44.46	-44.71	-44.48	-44.77	-44.69	-44.42	-44.21	-44.21	-44.42
<b>max result</b>	-43.56	-43.91	-43.72	-43.93	-43.88	-43.85	-43.25	-43.41	-43.66
<b>average</b>	-44.04	-44.35	-44.16	-44.42	-44.34	-44.14	-43.81	-43.86	-44.08
<b>sigma</b>	0.40	0.33	0.33	0.36	0.35	0.27	0.41	0.35	0.32



IOS (REF) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	--	--	--	--	--	--	--	--	--
<b>Max</b>	-10	-10	-10	-10	-10	-10	-10	-10	-10
<b>Unit</b>	mA	mA	mA	mA	mA	mA	mA	mA	mA
<b>Control Results</b>									
<b>1 (CTRL)</b>	-44.03	-43.93	-43.89	-44.02	-44.01	-43.99	-44.01	-43.83	-44.08

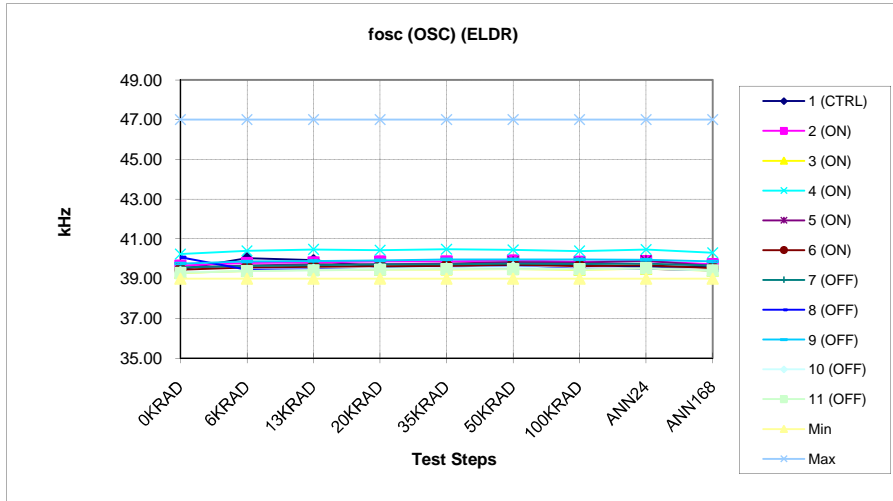
<b>Bias on results</b>									
<b>2 (ON)</b>	-44.78	-44.71	-44.84	-44.72	-44.67	-44.58	-44.53	-44.35	-44.65
<b>3 (ON)</b>	-44.25	-44.14	-44.23	-44.16	-44.16	-44.06	-43.96	-43.84	-44.09
<b>4 (ON)</b>	-44.45	-44.39	-44.51	-44.35	-44.39	-44.30	-44.16	-44.07	-44.35
<b>5 (ON)</b>	-45.05	-44.98	-45.12	-45.00	-44.99	-44.90	-44.75	-44.67	-44.96
<b>6 (ON)</b>	-44.83	-44.79	-44.93	-44.77	-44.83	-44.70	-44.56	-44.48	-44.76
<b>Statistics bias on</b>									
<b>min result</b>	-45.05	-44.98	-45.12	-45.00	-44.99	-44.90	-44.75	-44.67	-44.96
<b>max result</b>	-44.25	-44.14	-44.23	-44.16	-44.16	-44.06	-43.96	-43.84	-44.09
<b>average</b>	-44.67	-44.60	-44.73	-44.60	-44.61	-44.51	-44.39	-44.28	-44.56
<b>sigma</b>	0.32	0.34	0.35	0.34	0.33	0.33	0.32	0.33	0.34

<b>Bias off results</b>									
<b>7 (OFF)</b>	-43.81	-43.40	-43.92	-43.75	-43.76	-43.68	-43.46	-43.44	-43.68
<b>8 (OFF)</b>	-43.79	-43.71	-43.96	-43.77	-43.79	-43.67	-43.46	-43.46	-43.67
<b>9 (OFF)</b>	-44.23	-44.21	-44.38	-44.24	-44.26	-44.18	-43.88	-43.90	-44.20
<b>10 (OFF)</b>	-44.15	-44.14	-44.36	-44.16	-44.21	-44.10	-43.89	-43.84	-44.17
<b>11 (OFF)</b>	-44.09	-44.12	-44.37	-44.14	-44.20	-44.13	-43.88	-43.80	-44.16
<b>Statistics bias off</b>									
<b>min result</b>	-44.23	-44.21	-44.38	-44.24	-44.26	-44.18	-43.89	-43.90	-44.20
<b>max result</b>	-43.79	-43.40	-43.92	-43.75	-43.76	-43.67	-43.46	-43.44	-43.67
<b>average</b>	-44.01	-43.92	-44.20	-44.01	-44.05	-43.95	-43.72	-43.69	-43.98
<b>sigma</b>	0.20	0.35	0.24	0.23	0.25	0.25	0.23	0.22	0.28



IOS (REF) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-44.30	-44.71	-44.50	-44.77	-44.64	-44.46	-44.35	-44.23	-44.43
ELDR OFF	-44.04	-44.35	-44.16	-44.42	-44.34	-44.14	-43.81	-43.86	-44.08
LDR ON	-44.67	-44.60	-44.73	-44.60	-44.61	-44.51	-44.39	-44.28	-44.56
LDR OFF	-44.01	-43.92	-44.20	-44.01	-44.05	-43.95	-43.72	-43.69	-43.98

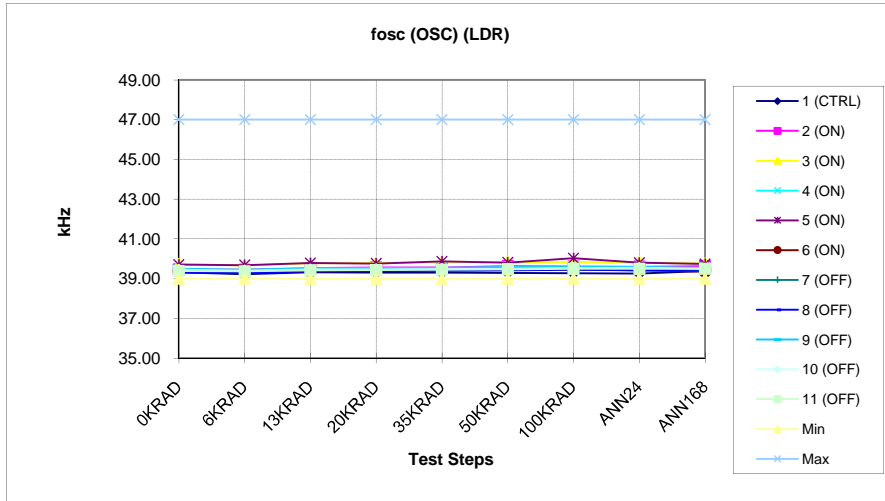




fosc (OSC) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>
<b>Max</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>
<b>Unit</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>
<b>Control Results</b>									
<b>1 (CTRL)</b>	39.46	40.03	39.93	39.58	39.66	39.65	39.69	39.60	39.61

<b>Bias on results</b>									
<b>2 (ON)</b>	39.66	39.78	39.82	39.87	39.86	39.91	39.85	39.88	39.72
<b>3 (ON)</b>	39.29	39.39	39.45	39.46	39.47	39.48	39.45	39.50	39.40
<b>4 (ON)</b>	40.24	40.40	40.47	40.43	40.48	40.45	40.39	40.46	40.30
<b>5 (ON)</b>	39.55	39.66	39.72	39.72	39.76	39.84	39.81	39.90	39.64
<b>6 (ON)</b>	39.45	39.56	39.60	39.62	39.64	39.70	39.63	39.67	39.53
<b>Statistics bias on</b>									
<b>min result</b>	39.29	39.39	39.45	39.46	39.47	39.48	39.45	39.50	39.40
<b>max result</b>	40.24	40.40	40.47	40.43	40.48	40.45	40.39	40.46	40.30
<b>average</b>	39.64	39.76	39.81	39.82	39.84	39.88	39.83	39.88	39.72
<b>sigma</b>	0.36	0.39	0.39	0.37	0.39	0.36	0.35	0.36	0.35

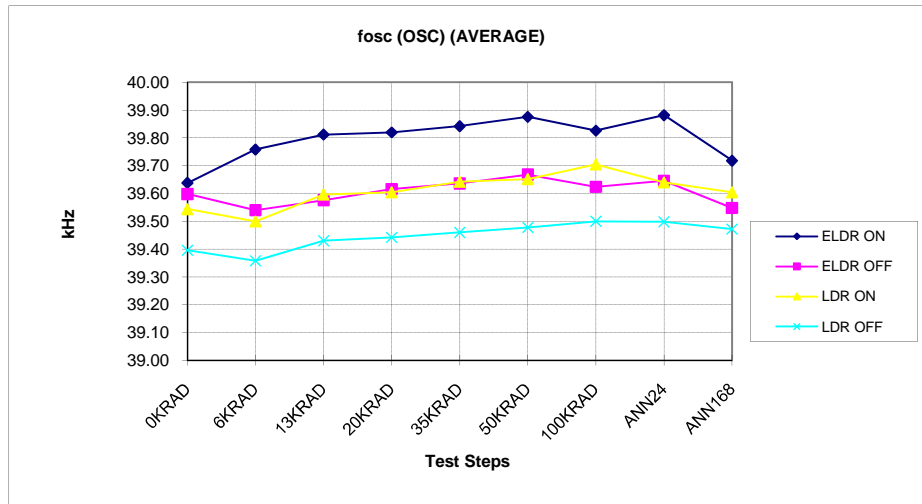
<b>Bias off results</b>									
<b>7 (OFF)</b>	39.56	39.64	39.67	39.72	39.72	39.75	39.73	39.75	39.65
<b>8 (OFF)</b>	40.07	39.44	39.47	39.48	39.49	39.57	39.49	39.50	39.42
<b>9 (OFF)</b>	39.76	39.86	39.89	39.92	39.97	39.97	39.97	39.95	39.86
<b>10 (OFF)</b>	39.32	39.38	39.43	39.51	39.52	39.57	39.46	39.51	39.40
<b>11 (OFF)</b>	39.28	39.38	39.42	39.45	39.48	39.48	39.47	39.52	39.41
<b>Statistics bias off</b>									
<b>min result</b>	39.28	39.38	39.42	39.45	39.48	39.48	39.46	39.50	39.40
<b>max result</b>	40.07	39.86	39.89	39.92	39.97	39.97	39.97	39.95	39.86
<b>average</b>	39.60	39.54	39.58	39.62	39.64	39.67	39.62	39.65	39.55
<b>sigma</b>	0.33	0.21	0.20	0.20	0.21	0.20	0.22	0.20	0.20



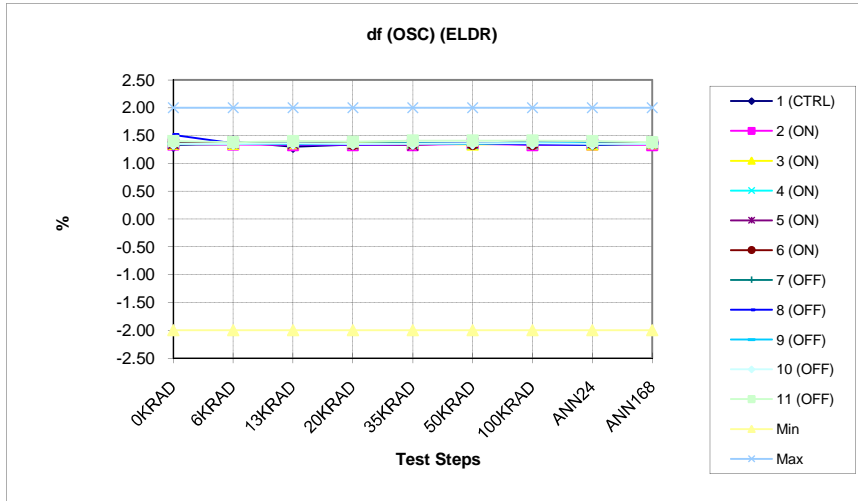
fosc (OSC) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>
<b>Max</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>
<b>Unit</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>	<b>kHz</b>
<b>Control Results</b>									
<b>1 (CTRL)</b>	39.32	39.22	39.32	39.30	39.30	39.29	39.27	39.25	39.39

<b>Bias on results</b>									
<b>2 (ON)</b>	39.46	39.45	39.53	39.56	39.56	39.62	39.61	39.60	39.62
<b>3 (ON)</b>	39.73	39.66	39.77	39.79	39.82	39.83	39.84	39.82	39.76
<b>4 (ON)</b>	39.45	39.43	39.52	39.53	39.55	39.57	39.58	39.57	39.55
<b>5 (ON)</b>	39.70	39.68	39.79	39.76	39.87	39.81	40.03	39.80	39.74
<b>6 (ON)</b>	39.38	39.28	39.37	39.38	39.41	39.43	39.46	39.41	39.35
<b>Statistics bias on</b>									
<b>min result</b>	39.38	39.28	39.37	39.38	39.41	39.43	39.46	39.41	39.35
<b>max result</b>	39.73	39.68	39.79	39.79	39.87	39.83	40.03	39.82	39.76
<b>average</b>	39.54	39.50	39.60	39.60	39.64	39.65	39.70	39.64	39.60
<b>sigma</b>	0.16	0.17	0.18	0.17	0.20	0.17	0.23	0.17	0.17

<b>Bias off results</b>									
<b>7 (OFF)</b>	39.36	39.31	39.41	39.42	39.44	39.45	39.47	39.47	39.41
<b>8 (OFF)</b>	39.31	39.27	39.36	39.38	39.40	39.42	39.44	39.42	39.44
<b>9 (OFF)</b>	39.49	39.45	39.50	39.51	39.53	39.55	39.57	39.57	39.52
<b>10 (OFF)</b>	39.44	39.40	39.46	39.47	39.48	39.50	39.53	39.54	39.49
<b>11 (OFF)</b>	39.38	39.36	39.42	39.43	39.45	39.47	39.49	39.49	39.50
<b>Statistics bias off</b>									
<b>min result</b>	39.31	39.27	39.36	39.38	39.40	39.42	39.44	39.42	39.41
<b>max result</b>	39.49	39.45	39.50	39.51	39.53	39.55	39.57	39.57	39.52
<b>average</b>	39.40	39.36	39.43	39.44	39.46	39.48	39.50	39.50	39.47
<b>sigma</b>	0.07	0.07	0.05	0.05	0.05	0.05	0.05	0.06	0.05



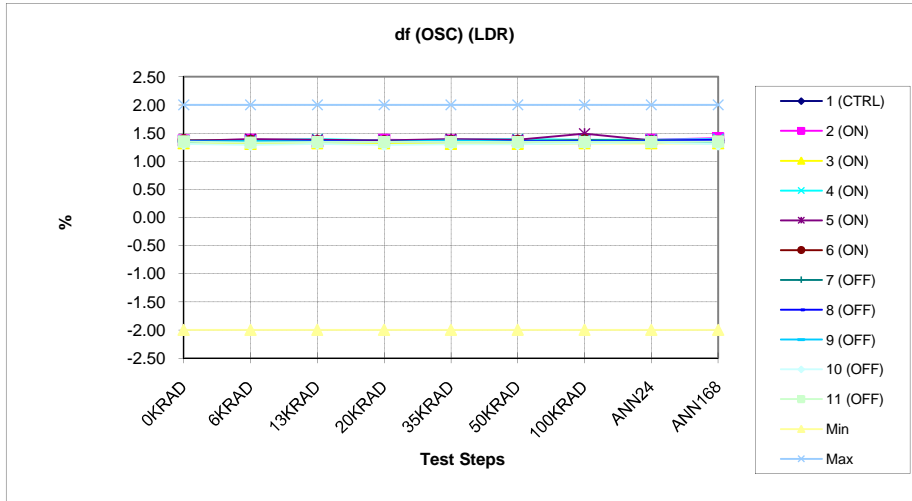
fosc (OSC) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	39.64	39.76	39.81	39.82	39.84	39.88	39.83	39.88	39.72
ELDR OFF	39.60	39.54	39.58	39.62	39.64	39.67	39.62	39.65	39.55
LDR ON	39.54	39.50	39.60	39.60	39.64	39.65	39.70	39.64	39.60
LDR OFF	39.40	39.36	39.43	39.44	39.46	39.48	39.50	39.50	39.47



df (OSC) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-2	-2	-2	-2	-2	-2	-2	-2	-2
Max	2	2	2	2	2	2	2	2	2
Unit	%	%	%	%	%	%	%	%	%
<b>Control Results</b>									
1 (CTRL)	1.32	1.39	1.30	1.34	1.36	1.35	1.39	1.35	1.36

<b>Bias on results</b>									
2 (ON)	1.34	1.34	1.33	1.33	1.33	1.35	1.33	1.34	1.33
3 (ON)	1.35	1.35	1.36	1.36	1.36	1.34	1.36	1.34	1.36
4 (ON)	1.38	1.37	1.38	1.35	1.36	1.35	1.35	1.36	1.36
5 (ON)	1.35	1.36	1.35	1.35	1.33	1.37	1.37	1.39	1.36
6 (ON)	1.36	1.37	1.38	1.35	1.36	1.35	1.35	1.36	1.37
<b>Statistics bias on</b>									
min result	1.34	1.34	1.33	1.33	1.33	1.34	1.33	1.34	1.33
max result	1.38	1.37	1.38	1.36	1.36	1.37	1.37	1.39	1.37
average	1.36	1.36	1.36	1.35	1.35	1.35	1.35	1.36	1.36
sigma	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.02	0.02

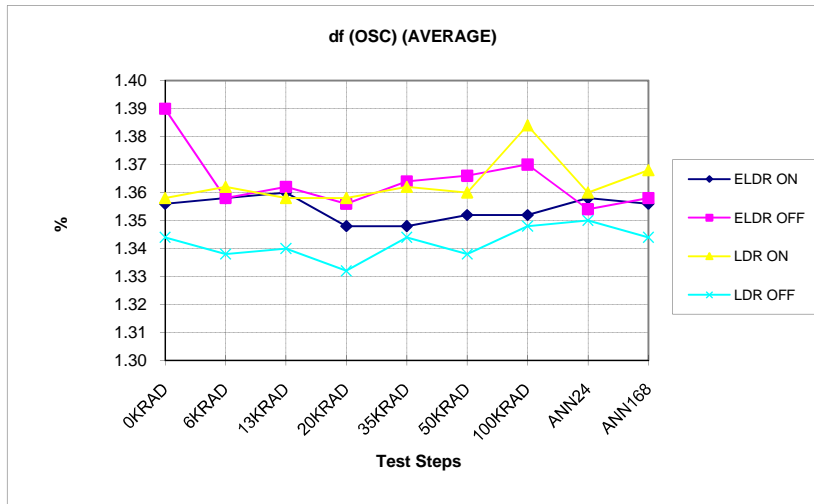
<b>Bias off results</b>									
7 (OFF)	1.34	1.35	1.36	1.35	1.35	1.35	1.36	1.33	1.35
8 (OFF)	1.51	1.36	1.34	1.34	1.35	1.36	1.34	1.33	1.36
9 (OFF)	1.35	1.35	1.35	1.35	1.36	1.35	1.38	1.36	1.35
10 (OFF)	1.35	1.35	1.36	1.35	1.35	1.36	1.36	1.35	1.35
11 (OFF)	1.40	1.38	1.40	1.39	1.41	1.41	1.41	1.40	1.38
<b>Statistics bias off</b>									
min result	1.34	1.35	1.34	1.34	1.35	1.35	1.34	1.33	1.35
max result	1.51	1.38	1.40	1.39	1.41	1.41	1.41	1.40	1.38
average	1.39	1.36	1.36	1.36	1.36	1.37	1.37	1.35	1.36
sigma	0.07	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.01



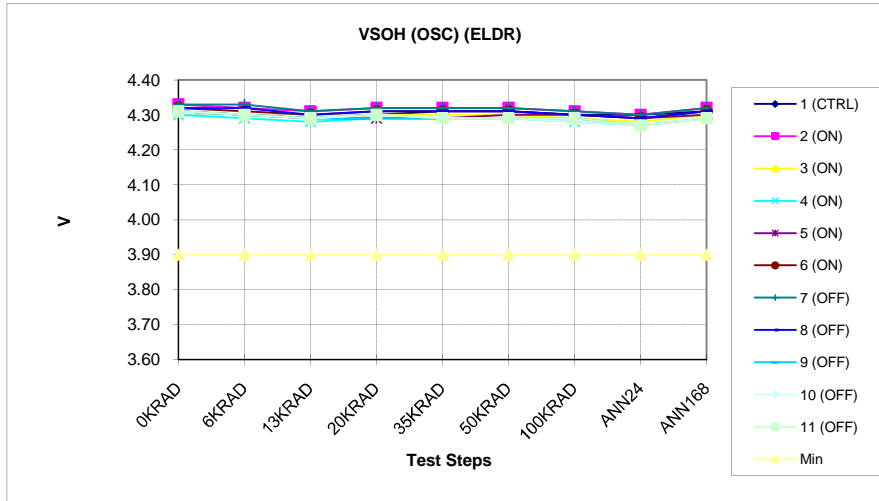
df (OSC) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-2	-2	-2	-2	-2	-2	-2	-2	-2
Max	2	2	2	2	2	2	2	2	2
Unit	%	%	%	%	%	%	%	%	%
<b>Control Results</b>									
1 (CTRL)	1.36	1.36	1.35	1.34	1.35	1.36	1.35	1.35	1.37

<b>Bias on results</b>									
2 (ON)	1.37	1.38	1.35	1.38	1.37	1.36	1.36	1.38	1.41
3 (ON)	1.32	1.31	1.32	1.32	1.31	1.31	1.32	1.32	1.32
4 (ON)	1.37	1.37	1.39	1.37	1.38	1.39	1.38	1.38	1.39
5 (ON)	1.36	1.39	1.38	1.37	1.39	1.38	1.49	1.37	1.37
6 (ON)	1.37	1.36	1.35	1.35	1.36	1.36	1.37	1.35	1.35
<b>Statistics bias on</b>									
min result	1.32	1.31	1.32	1.32	1.31	1.31	1.32	1.32	1.32
max result	1.37	1.39	1.39	1.38	1.39	1.39	1.49	1.38	1.41
average	1.36	1.36	1.36	1.36	1.36	1.36	1.38	1.36	1.37
sigma	0.02	0.03	0.03	0.02	0.03	0.03	0.06	0.03	0.03

<b>Bias off results</b>									
7 (OFF)	1.35	1.36	1.34	1.34	1.36	1.34	1.37	1.37	1.35
8 (OFF)	1.36	1.35	1.36	1.35	1.35	1.36	1.36	1.36	1.38
9 (OFF)	1.35	1.36	1.35	1.34	1.37	1.35	1.35	1.35	1.34
10 (OFF)	1.31	1.29	1.31	1.29	1.30	1.30	1.32	1.33	1.30
11 (OFF)	1.35	1.33	1.34	1.34	1.34	1.34	1.34	1.34	1.35
<b>Statistics bias off</b>									
min result	1.31	1.29	1.31	1.29	1.30	1.30	1.32	1.33	1.30
max result	1.36	1.36	1.36	1.35	1.37	1.36	1.37	1.37	1.38
average	1.34	1.34	1.34	1.33	1.34	1.34	1.35	1.35	1.34
sigma	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.03



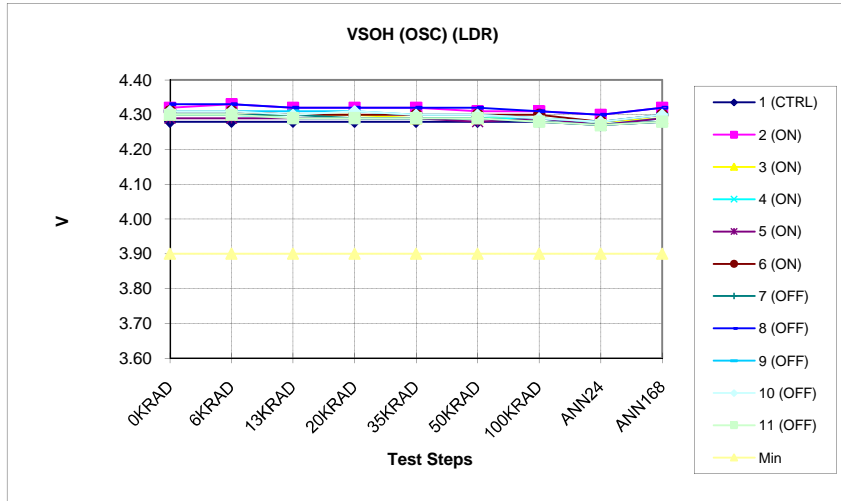
df (OSC) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.36	1.36	1.36	1.35	1.35	1.35	1.35	1.36	1.36
ELDR OFF	1.39	1.36	1.36	1.36	1.36	1.37	1.37	1.35	1.36
LDR ON	1.36	1.36	1.36	1.36	1.36	1.36	1.38	1.36	1.37
LDR OFF	1.34	1.34	1.34	1.33	1.34	1.34	1.35	1.35	1.34



VSOH (OSC) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	4.31	4.30	4.29	4.30	4.31	4.31	4.30	4.30	4.31

<b>Bias on results</b>									
2 (ON)	4.33	4.32	4.31	4.32	4.32	4.32	4.31	4.30	4.32
3 (ON)	4.31	4.30	4.29	4.30	4.30	4.30	4.29	4.28	4.30
4 (ON)	4.30	4.29	4.28	4.29	4.29	4.29	4.28	4.27	4.29
5 (ON)	4.31	4.30	4.29	4.29	4.29	4.30	4.30	4.29	4.30
6 (ON)	4.32	4.31	4.30	4.31	4.31	4.31	4.30	4.29	4.31
<b>Statistics bias on</b>									
min result	4.30	4.29	4.28	4.29	4.29	4.29	4.28	4.27	4.29
max result	4.33	4.32	4.31	4.32	4.32	4.32	4.31	4.30	4.32
average	4.31	4.30	4.29	4.30	4.30	4.30	4.30	4.29	4.30
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

<b>Bias off results</b>									
7 (OFF)	4.33	4.33	4.31	4.32	4.32	4.32	4.31	4.30	4.32
8 (OFF)	4.32	4.32	4.30	4.31	4.31	4.31	4.30	4.29	4.31
9 (OFF)	4.31	4.30	4.29	4.29	4.29	4.29	4.29	4.27	4.29
10 (OFF)	4.31	4.30	4.29	4.30	4.29	4.29	4.28	4.27	4.29
11 (OFF)	4.31	4.30	4.29	4.30	4.29	4.29	4.29	4.27	4.29
<b>Statistics bias off</b>									
min result	4.31	4.30	4.29	4.29	4.29	4.29	4.28	4.27	4.29
max result	4.33	4.33	4.31	4.32	4.32	4.32	4.31	4.30	4.32
average	4.32	4.31	4.30	4.30	4.30	4.30	4.29	4.28	4.30
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

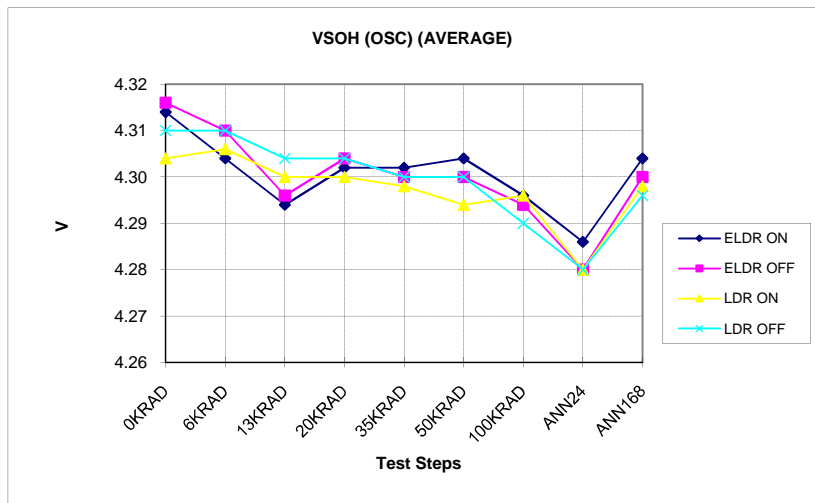


VSOH (OSC) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.27	4.28

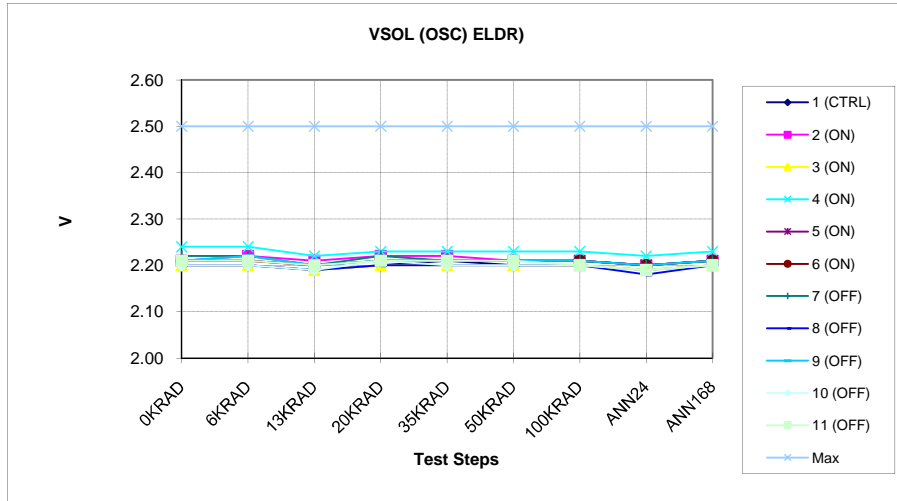
<b>Bias on results</b>									
2 (ON)	4.32	4.33	4.32	4.32	4.32	4.31	4.31	4.30	4.32
3 (ON)	4.30	4.30	4.30	4.30	4.29	4.29	4.29	4.28	4.29
4 (ON)	4.30	4.30	4.29	4.29	4.29	4.29	4.29	4.27	4.29
5 (ON)	4.29	4.29	4.29	4.29	4.29	4.28	4.29	4.27	4.29
6 (ON)	4.31	4.31	4.30	4.30	4.30	4.30	4.30	4.28	4.30
<b>Statistics bias on</b>									
min result	4.29	4.29	4.29	4.29	4.29	4.28	4.29	4.27	4.29
max result	4.32	4.33	4.32	4.32	4.32	4.31	4.31	4.30	4.32
average	4.30	4.31	4.30	4.30	4.30	4.29	4.30	4.28	4.30
sigma	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01

<b>Bias off results</b>									
7 (OFF)	4.30	4.30	4.30	4.29	4.29	4.29	4.28	4.27	4.28
8 (OFF)	4.33	4.33	4.32	4.32	4.32	4.32	4.31	4.30	4.32
9 (OFF)	4.31	4.31	4.31	4.31	4.30	4.30	4.29	4.28	4.30
10 (OFF)	4.31	4.31	4.30	4.31	4.30	4.30	4.29	4.28	4.30
11 (OFF)	4.30	4.30	4.29	4.29	4.29	4.29	4.28	4.27	4.28
<b>Statistics bias off</b>									
min result	4.30	4.30	4.29	4.29	4.29	4.29	4.28	4.27	4.28
max result	4.33	4.33	4.32	4.32	4.32	4.32	4.31	4.30	4.32
average	4.31	4.31	4.30	4.30	4.30	4.30	4.29	4.28	4.30
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02





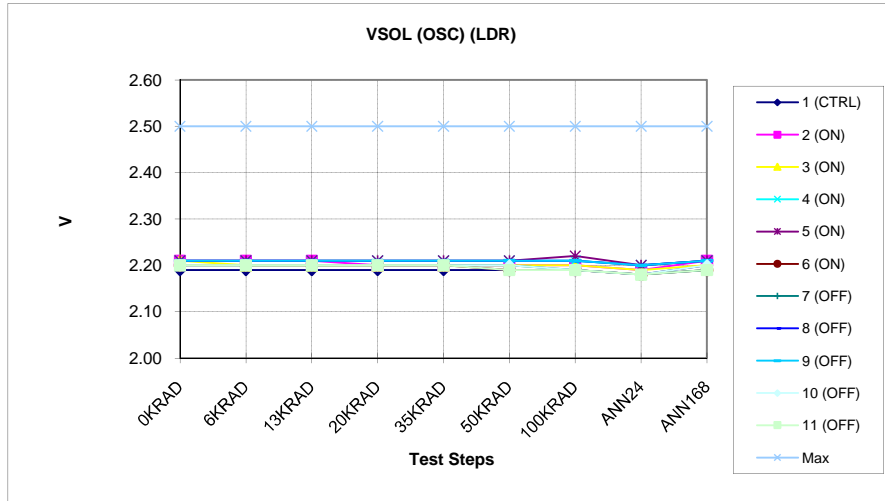
VSOH (OSC) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	4.31	4.30	4.29	4.30	4.30	4.30	4.30	4.29	4.30
ELDR OFF	4.32	4.31	4.30	4.30	4.30	4.30	4.30	4.28	4.30
LDR ON	4.30	4.31	4.30	4.30	4.30	4.29	4.30	4.28	4.30
LDR OFF	4.31	4.31	4.30	4.30	4.30	4.30	4.29	4.28	4.30



VSOL (OSC) ELDR	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	2.20	2.20	2.19	2.20	2.21	2.20	2.20	2.19	2.20

<b>Bias on results</b>									
2 (ON)	2.21	2.22	2.21	2.22	2.22	2.21	2.21	2.20	2.21
3 (ON)	2.20	2.20	2.19	2.20	2.20	2.20	2.20	2.19	2.20
4 (ON)	2.24	2.24	2.22	2.23	2.23	2.23	2.23	2.22	2.23
5 (ON)	2.21	2.21	2.20	2.21	2.21	2.21	2.21	2.20	2.21
6 (ON)	2.21	2.21	2.20	2.21	2.21	2.21	2.21	2.20	2.21
<b>Statistics bias on</b>									
min result	2.20	2.20	2.19	2.20	2.20	2.20	2.20	2.19	2.20
max result	2.24	2.24	2.22	2.23	2.23	2.23	2.23	2.22	2.23
average	2.21	2.22	2.20	2.21	2.21	2.21	2.21	2.20	2.21
sigma	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01

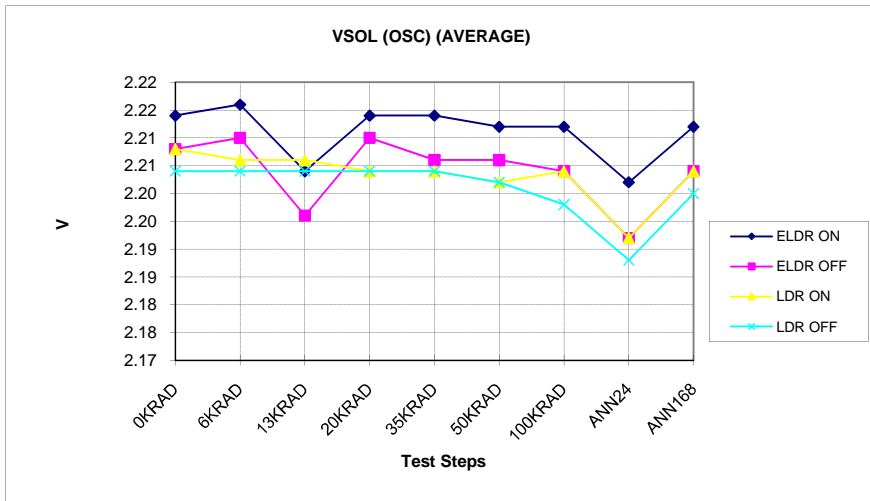
<b>Bias off results</b>									
7 (OFF)	2.22	2.22	2.20	2.22	2.21	2.21	2.21	2.20	2.21
8 (OFF)	2.20	2.20	2.19	2.20	2.20	2.20	2.20	2.18	2.20
9 (OFF)	2.21	2.22	2.20	2.21	2.21	2.21	2.21	2.20	2.21
10 (OFF)	2.20	2.20	2.19	2.21	2.20	2.20	2.20	2.19	2.20
11 (OFF)	2.21	2.21	2.20	2.21	2.21	2.21	2.20	2.19	2.20
<b>Statistics bias off</b>									
min result	2.20	2.20	2.19	2.20	2.20	2.20	2.20	2.18	2.20
max result	2.22	2.22	2.20	2.22	2.21	2.21	2.21	2.20	2.21
average	2.21	2.21	2.20	2.21	2.21	2.21	2.20	2.19	2.20
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



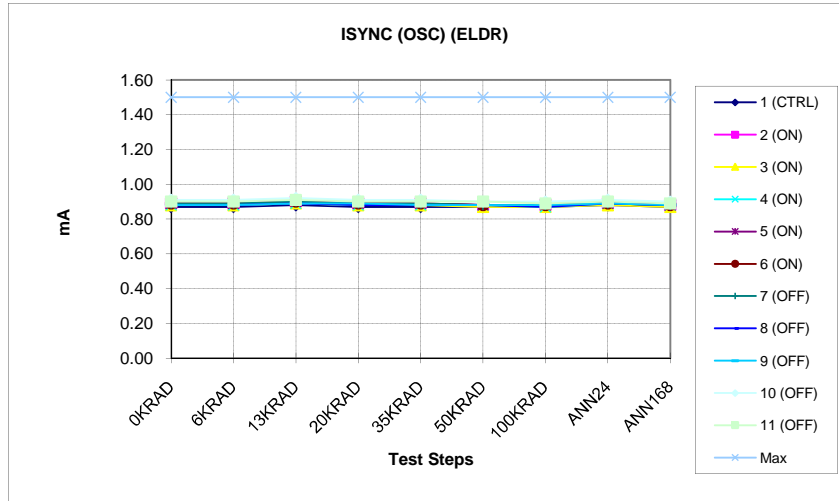
VSOL (OSC) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.18	2.20

<b>Bias on results</b>									
2 (ON)	2.21	2.21	2.21	2.20	2.20	2.20	2.20	2.19	2.21
3 (ON)	2.21	2.20	2.20	2.20	2.20	2.20	2.20	2.19	2.20
4 (ON)	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.20	2.21
5 (ON)	2.21	2.21	2.21	2.21	2.21	2.21	2.22	2.20	2.21
6 (ON)	2.20	2.20	2.20	2.20	2.20	2.19	2.19	2.18	2.19
<b>Statistics bias on</b>									
min result	2.20	2.20	2.20	2.20	2.20	2.19	2.19	2.18	2.19
max result	2.21	2.21	2.21	2.21	2.21	2.21	2.22	2.20	2.21
average	2.21	2.21	2.21	2.20	2.20	2.20	2.20	2.19	2.20
sigma	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

<b>Bias off results</b>									
7 (OFF)	2.20	2.20	2.20	2.20	2.20	2.20	2.19	2.18	2.19
8 (OFF)	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.20	2.21
9 (OFF)	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.20	2.21
10 (OFF)	2.20	2.20	2.20	2.20	2.20	2.20	2.19	2.18	2.20
11 (OFF)	2.20	2.20	2.20	2.20	2.20	2.19	2.19	2.18	2.19
<b>Statistics bias off</b>									
min result	2.20	2.20	2.20	2.20	2.20	2.19	2.19	2.18	2.19
max result	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.20	2.21
average	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.19	2.20
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



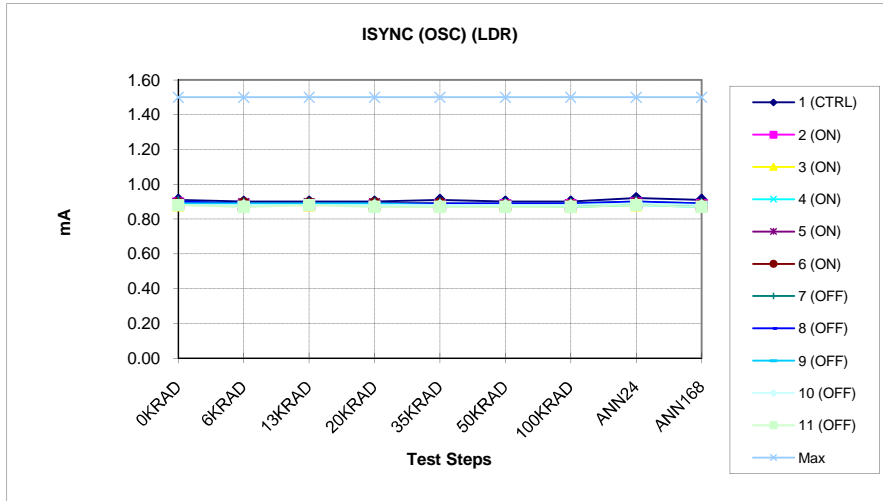
VSOL (OSC) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	2.21	2.22	2.20	2.21	2.21	2.21	2.21	2.20	2.21
ELDR OFF	2.21	2.21	2.20	2.21	2.21	2.21	2.20	2.19	2.20
LDR ON	2.21	2.21	2.21	2.20	2.20	2.20	2.20	2.19	2.20
LDR OFF	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.19	2.20



ISYNC (OSC) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
<b>Control Results</b>									
1 (CTRL)	0.87	0.87	0.88	0.87	0.87	0.87	0.87	0.88	0.87

<b>Bias on results</b>									
2 (ON)	0.89	0.89	0.90	0.89	0.89	0.88	0.88	0.89	0.88
3 (ON)	0.88	0.88	0.89	0.88	0.88	0.87	0.87	0.88	0.87
4 (ON)	0.88	0.88	0.89	0.88	0.88	0.88	0.87	0.89	0.88
5 (ON)	0.89	0.89	0.90	0.89	0.89	0.88	0.88	0.89	0.88
6 (ON)	0.89	0.89	0.90	0.89	0.89	0.88	0.88	0.89	0.88
<b>Statistics bias on</b>									
min result	0.88	0.88	0.89	0.88	0.88	0.87	0.87	0.88	0.87
max result	0.89	0.89	0.90	0.89	0.89	0.88	0.88	0.89	0.88
average	0.89	0.89	0.90	0.89	0.89	0.88	0.88	0.89	0.88
sigma	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.00

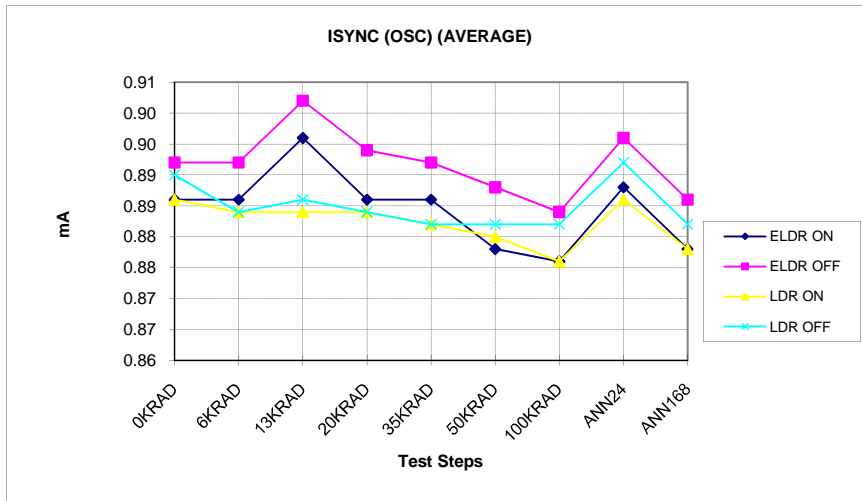
<b>Bias off results</b>									
7 (OFF)	0.89	0.89	0.90	0.89	0.89	0.88	0.88	0.89	0.88
8 (OFF)	0.88	0.88	0.89	0.88	0.88	0.88	0.87	0.89	0.88
9 (OFF)	0.88	0.88	0.89	0.89	0.88	0.88	0.88	0.89	0.88
10 (OFF)	0.91	0.91	0.92	0.91	0.91	0.90	0.90	0.91	0.90
11 (OFF)	0.90	0.90	0.91	0.90	0.90	0.90	0.89	0.90	0.89
<b>Statistics bias off</b>									
min result	0.88	0.88	0.89	0.88	0.88	0.88	0.87	0.89	0.88
max result	0.91	0.91	0.92	0.91	0.91	0.90	0.90	0.91	0.90
average	0.89	0.89	0.90	0.89	0.89	0.89	0.88	0.90	0.89
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



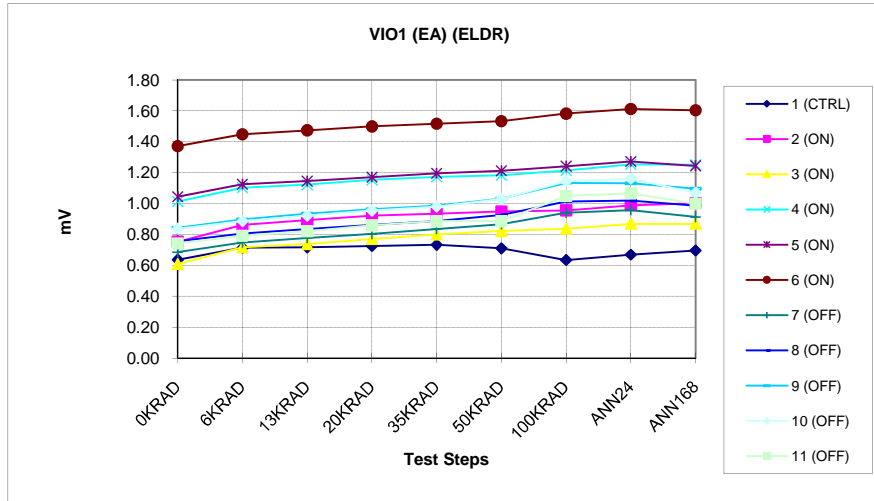
ISYNC (OSC) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
<b>Control Results</b>									
1 (CTRL)	0.91	0.90	0.90	0.90	0.91	0.90	0.90	0.92	0.91

<b>Bias on results</b>									
2 (ON)	0.89	0.88	0.88	0.88	0.88	0.88	0.88	0.89	0.88
3 (ON)	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88
4 (ON)	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.87
5 (ON)	0.89	0.89	0.89	0.89	0.88	0.88	0.88	0.89	0.88
6 (ON)	0.89	0.89	0.89	0.89	0.89	0.88	0.88	0.89	0.88
<b>Statistics bias on</b>									
min result	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.87
max result	0.89	0.89	0.89	0.89	0.89	0.88	0.88	0.89	0.88
average	0.89	0.88	0.88	0.88	0.88	0.88	0.88	0.89	0.88
sigma	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.00

<b>Bias off results</b>									
7 (OFF)	0.90	0.89	0.89	0.89	0.89	0.89	0.89	0.90	0.89
8 (OFF)	0.90	0.89	0.89	0.89	0.89	0.89	0.89	0.90	0.89
9 (OFF)	0.89	0.89	0.89	0.89	0.88	0.88	0.88	0.89	0.88
10 (OFF)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.89	0.88
11 (OFF)	0.88	0.87	0.88	0.87	0.87	0.87	0.87	0.88	0.87
<b>Statistics bias off</b>									
min result	0.88	0.87	0.88	0.87	0.87	0.87	0.87	0.88	0.87
max result	0.90	0.89	0.89	0.89	0.89	0.89	0.89	0.90	0.89
average	0.89	0.88	0.89	0.88	0.88	0.88	0.88	0.89	0.88
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



ISYNC (OSC) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.89	0.89	0.90	0.89	0.89	0.88	0.88	0.89	0.88
ELDR OFF	0.89	0.89	0.90	0.89	0.89	0.89	0.88	0.90	0.89
LDR ON	0.89	0.88	0.88	0.88	0.88	0.88	0.88	0.89	0.88
LDR OFF	0.89	0.88	0.89	0.88	0.88	0.88	0.88	0.89	0.88

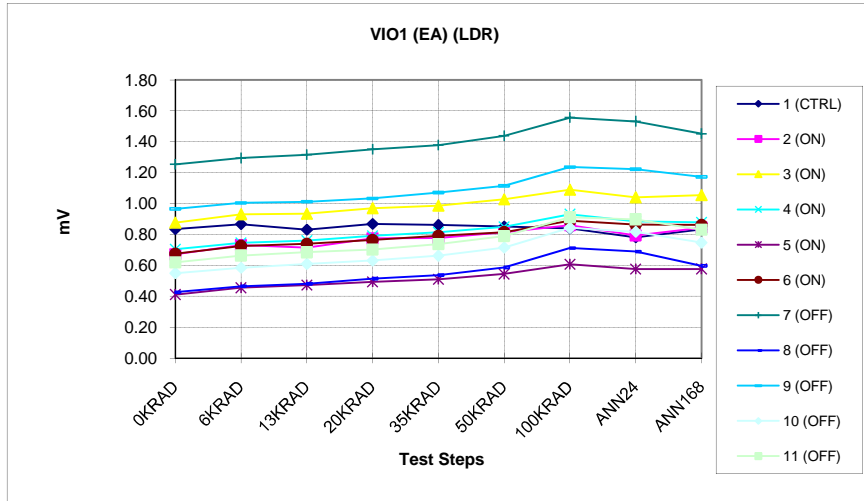


VIO1 (EA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	5	5	5	5	5	5	5	5	5
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
1 (CTRL)	0.64	0.71	0.72	0.73	0.73	0.71	0.64	0.67	0.70

<b>Bias on results</b>									
2 (ON)	0.75	0.86	0.89	0.92	0.94	0.95	0.96	0.99	1.00
3 (ON)	0.61	0.72	0.74	0.77	0.80	0.82	0.84	0.87	0.87
4 (ON)	1.01	1.10	1.12	1.15	1.17	1.18	1.21	1.25	1.25
5 (ON)	1.04	1.13	1.15	1.17	1.20	1.21	1.24	1.27	1.24
6 (ON)	1.37	1.45	1.47	1.50	1.52	1.53	1.58	1.61	1.60
<b>Statistics bias on</b>									
min result	0.61	0.72	0.74	0.77	0.80	0.82	0.84	0.87	0.87
max result	1.37	1.45	1.47	1.50	1.52	1.53	1.58	1.61	1.60
average	0.96	1.05	1.07	1.10	1.12	1.14	1.17	1.20	1.19
sigma	0.29	0.28	0.28	0.28	0.27	0.27	0.29	0.29	0.28

<b>Bias off results</b>									
7 (OFF)	0.69	0.75	0.78	0.80	0.84	0.87	0.94	0.96	0.91
8 (OFF)	0.76	0.81	0.84	0.86	0.89	0.93	1.01	1.02	0.99
9 (OFF)	0.84	0.90	0.93	0.96	0.99	1.03	1.13	1.13	1.10
10 (OFF)	0.84	0.89	0.92	0.96	0.98	1.03	1.14	1.16	1.07
11 (OFF)	0.74	0.79	0.82	0.86	0.89	0.89	1.05	1.07	1.00
<b>Statistics bias off</b>									
min result	0.69	0.75	0.78	0.80	0.84	0.87	0.94	0.96	0.91
max result	0.84	0.90	0.93	0.96	0.99	1.03	1.14	1.16	1.10
average	0.77	0.83	0.86	0.89	0.92	0.95	1.06	1.07	1.01
sigma	0.07	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.07

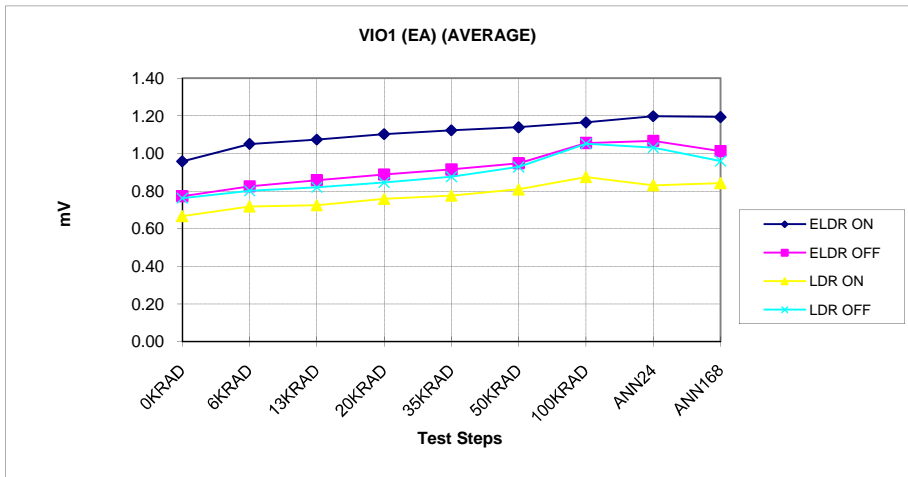




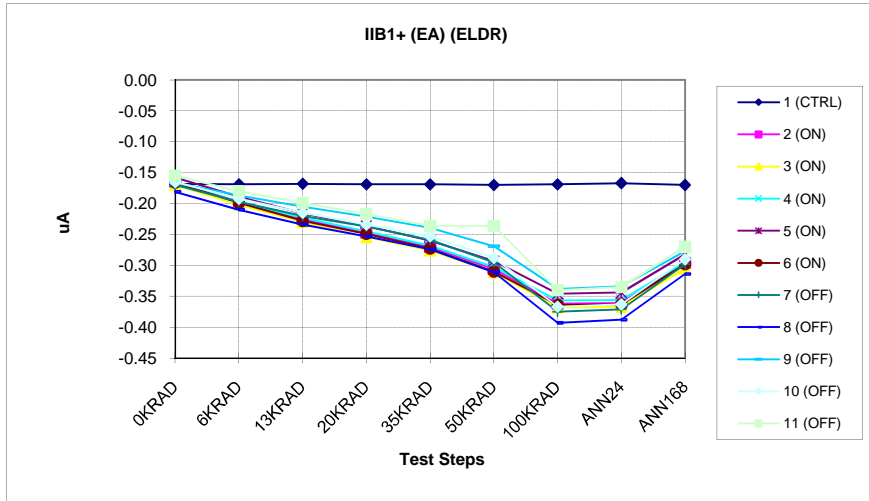
VIO1 (EA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	--	--	--	--	--	--	--	--	--
<b>Max</b>	5	5	5	5	5	5	5	5	5
<b>Unit</b>	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
<b>1 (CTRL)</b>	0.84	0.87	0.83	0.87	0.86	0.85	0.84	0.78	0.83

<b>Bias on results</b>									
<b>2 (ON)</b>	0.67	0.73	0.72	0.77	0.78	0.81	0.86	0.79	0.84
<b>3 (ON)</b>	0.88	0.93	0.93	0.97	0.99	1.03	1.09	1.04	1.06
<b>4 (ON)</b>	0.70	0.75	0.76	0.79	0.81	0.85	0.93	0.89	0.88
<b>5 (ON)</b>	0.41	0.46	0.47	0.49	0.51	0.54	0.61	0.58	0.58
<b>6 (ON)</b>	0.68	0.73	0.74	0.77	0.79	0.82	0.89	0.86	0.86
<b>Statistics bias on</b>									
<b>min result</b>	0.41	0.46	0.47	0.49	0.51	0.54	0.61	0.58	0.58
<b>max result</b>	0.88	0.93	0.93	0.97	0.99	1.03	1.09	1.04	1.06
<b>average</b>	0.67	0.72	0.72	0.76	0.78	0.81	0.88	0.83	0.84
<b>sigma</b>	0.17	0.17	0.16	0.17	0.17	0.17	0.17	0.17	0.17

<b>Bias off results</b>									
<b>7 (OFF)</b>	1.25	1.29	1.32	1.35	1.38	1.44	1.56	1.53	1.45
<b>8 (OFF)</b>	0.43	0.47	0.48	0.51	0.54	0.59	0.71	0.69	0.60
<b>9 (OFF)</b>	0.97	1.00	1.01	1.03	1.07	1.12	1.24	1.22	1.17
<b>10 (OFF)</b>	0.55	0.58	0.61	0.63	0.66	0.72	0.84	0.82	0.75
<b>11 (OFF)</b>	0.62	0.66	0.69	0.70	0.74	0.79	0.91	0.90	0.83
<b>Statistics bias off</b>									
<b>min result</b>	0.43	0.47	0.48	0.51	0.54	0.59	0.71	0.69	0.60
<b>max result</b>	1.25	1.29	1.32	1.35	1.38	1.44	1.56	1.53	1.45
<b>average</b>	0.76	0.80	0.82	0.85	0.88	0.93	1.05	1.03	0.96
<b>sigma</b>	0.34	0.34	0.34	0.34	0.34	0.35	0.34	0.34	0.35



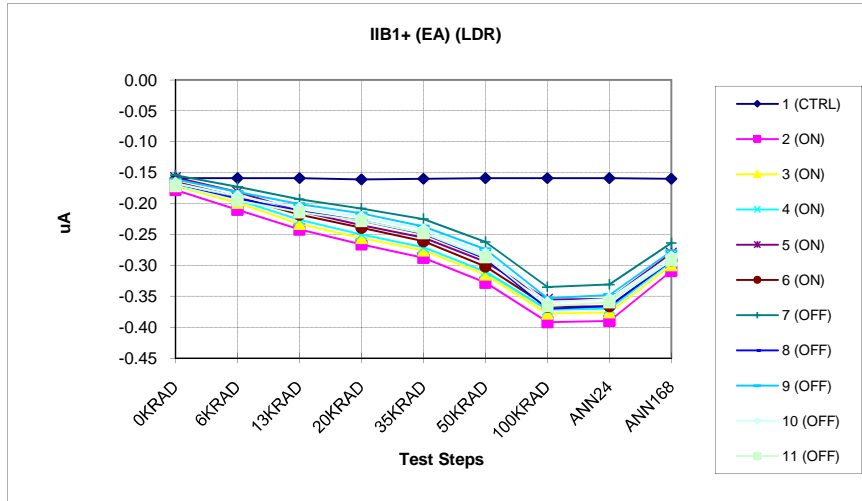
VIO1 (EA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.96	1.05	1.07	1.10	1.12	1.14	1.17	1.20	1.19
ELDR OFF	0.77	0.83	0.86	0.89	0.92	0.95	1.06	1.07	1.01
LDR ON	0.67	0.72	0.72	0.76	0.78	0.81	0.88	0.83	0.84
LDR OFF	0.76	0.80	0.82	0.85	0.88	0.93	1.05	1.03	0.96



IIB1+ (EA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	-1	-1	-1	-1	-1	-1	-1	-1	-1
<b>Max</b>	--	--	--	--	--	--	--	--	--
<b>Unit</b>	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
<b>1 (CTRL)</b>	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17

<b>Bias on results</b>									
<b>2 (ON)</b>	-0.17	-0.20	-0.23	-0.25	-0.27	-0.31	-0.36	-0.36	-0.30
<b>3 (ON)</b>	-0.17	-0.20	-0.23	-0.25	-0.28	-0.31	-0.37	-0.37	-0.31
<b>4 (ON)</b>	-0.17	-0.20	-0.22	-0.25	-0.27	-0.30	-0.36	-0.36	-0.30
<b>5 (ON)</b>	-0.16	-0.19	-0.22	-0.24	-0.26	-0.29	-0.35	-0.34	-0.28
<b>6 (ON)</b>	-0.17	-0.20	-0.23	-0.25	-0.27	-0.31	-0.36	-0.36	-0.30
<b>Statistics bias on</b>									
<b>min result</b>	-0.17	-0.20	-0.23	-0.25	-0.28	-0.31	-0.37	-0.37	-0.31
<b>max result</b>	-0.16	-0.19	-0.22	-0.24	-0.26	-0.29	-0.35	-0.34	-0.28
<b>average</b>	-0.17	-0.20	-0.22	-0.25	-0.27	-0.30	-0.36	-0.36	-0.30
<b>sigma</b>	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01

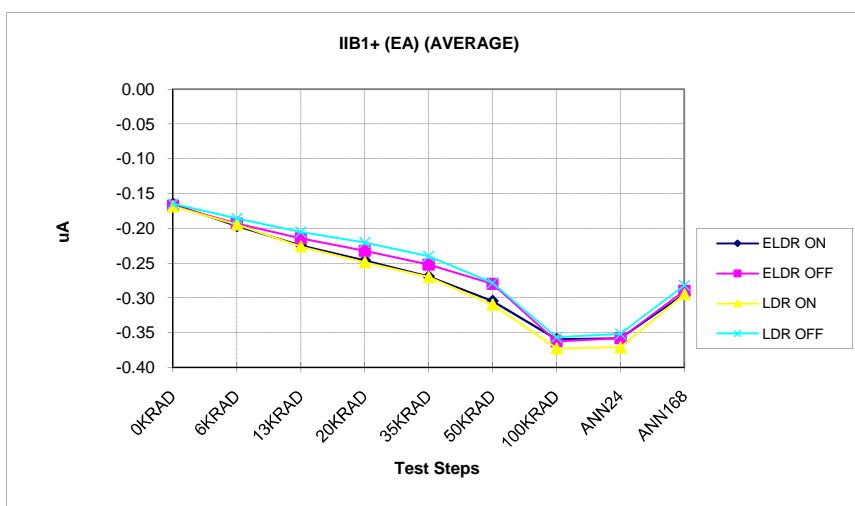
<b>Bias off results</b>									
<b>7 (OFF)</b>	-0.17	-0.20	-0.22	-0.24	-0.26	-0.30	-0.38	-0.37	-0.30
<b>8 (OFF)</b>	-0.18	-0.21	-0.23	-0.25	-0.27	-0.31	-0.39	-0.39	-0.31
<b>9 (OFF)</b>	-0.17	-0.19	-0.21	-0.22	-0.24	-0.27	-0.34	-0.33	-0.28
<b>10 (OFF)</b>	-0.17	-0.19	-0.22	-0.23	-0.25	-0.29	-0.37	-0.36	-0.29
<b>11 (OFF)</b>	-0.16	-0.18	-0.20	-0.22	-0.24	-0.24	-0.34	-0.34	-0.27
<b>Statistics bias off</b>									
<b>min result</b>	-0.18	-0.21	-0.23	-0.25	-0.27	-0.31	-0.39	-0.39	-0.31
<b>max result</b>	-0.16	-0.18	-0.20	-0.22	-0.24	-0.24	-0.34	-0.33	-0.27
<b>average</b>	-0.17	-0.19	-0.21	-0.23	-0.25	-0.28	-0.36	-0.36	-0.29
<b>sigma</b>	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.02	0.02



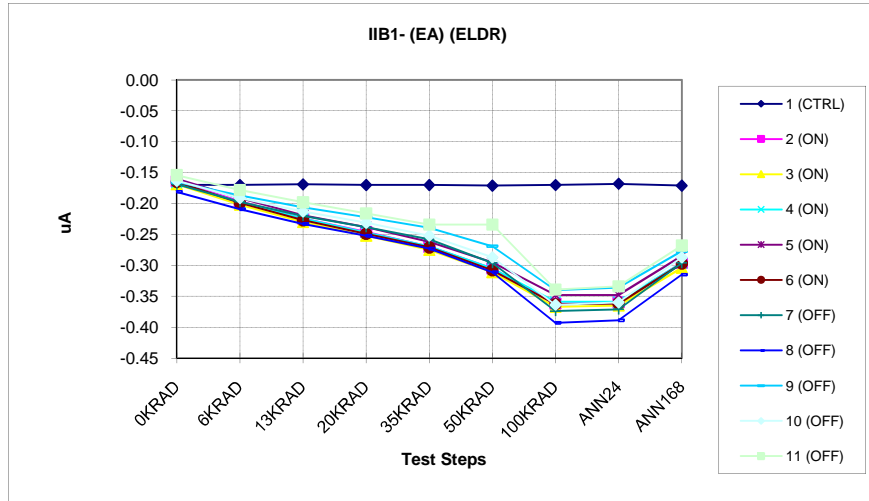
IIB1+ (EA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	-1	-1	-1	-1	-1	-1	-1	-1	-1
<b>Max</b>	--	--	--	--	--	--	--	--	--
<b>Unit</b>	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
<b>1 (CTRL)</b>	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16

<b>Bias on results</b>									
<b>2 (ON)</b>	-0.18	-0.21	-0.24	-0.27	-0.29	-0.33	-0.39	-0.39	-0.31
<b>3 (ON)</b>	-0.17	-0.20	-0.23	-0.26	-0.28	-0.32	-0.38	-0.38	-0.30
<b>4 (ON)</b>	-0.17	-0.19	-0.23	-0.25	-0.27	-0.31	-0.37	-0.37	-0.29
<b>5 (ON)</b>	-0.16	-0.18	-0.21	-0.24	-0.26	-0.29	-0.36	-0.35	-0.28
<b>6 (ON)</b>	-0.17	-0.19	-0.22	-0.24	-0.26	-0.30	-0.37	-0.37	-0.29
<b>Statistics bias on</b>									
<b>min result</b>	-0.18	-0.21	-0.24	-0.27	-0.29	-0.33	-0.39	-0.39	-0.31
<b>max result</b>	-0.16	-0.18	-0.21	-0.24	-0.26	-0.29	-0.36	-0.35	-0.28
<b>average</b>	-0.17	-0.19	-0.23	-0.25	-0.27	-0.31	-0.37	-0.37	-0.30
<b>sigma</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

<b>Bias off results</b>									
<b>7 (OFF)</b>	-0.15	-0.17	-0.19	-0.21	-0.23	-0.26	-0.34	-0.33	-0.26
<b>8 (OFF)</b>	-0.17	-0.19	-0.21	-0.23	-0.25	-0.29	-0.37	-0.37	-0.29
<b>9 (OFF)</b>	-0.16	-0.18	-0.20	-0.22	-0.24	-0.27	-0.35	-0.35	-0.28
<b>10 (OFF)</b>	-0.17	-0.19	-0.21	-0.22	-0.24	-0.28	-0.36	-0.35	-0.29
<b>11 (OFF)</b>	-0.17	-0.20	-0.21	-0.23	-0.25	-0.29	-0.37	-0.36	-0.29
<b>Statistics bias off</b>									
<b>min result</b>	-0.17	-0.20	-0.21	-0.23	-0.25	-0.29	-0.37	-0.37	-0.29
<b>max result</b>	-0.15	-0.17	-0.19	-0.21	-0.23	-0.26	-0.34	-0.33	-0.26
<b>average</b>	-0.16	-0.19	-0.21	-0.22	-0.24	-0.28	-0.36	-0.35	-0.28
<b>sigma</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



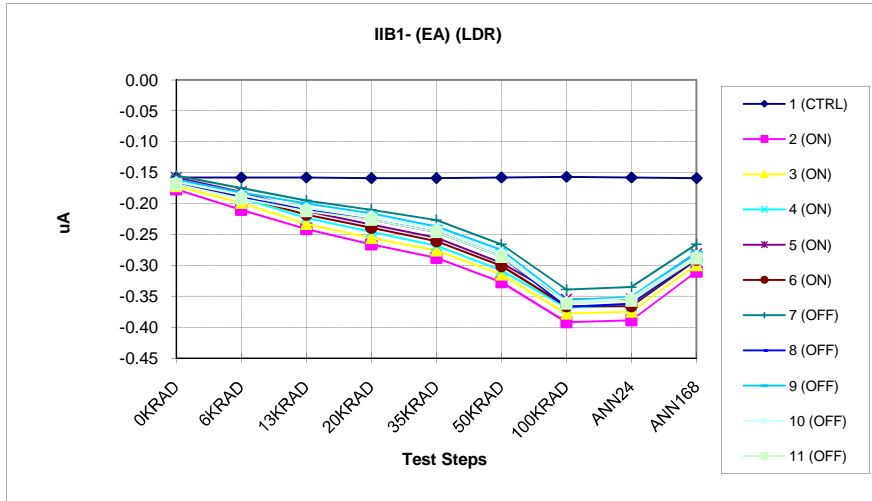
IIB1+ (EA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-0.17	-0.20	-0.22	-0.25	-0.27	-0.30	-0.36	-0.36	-0.30
ELDR OFF	-0.17	-0.19	-0.21	-0.23	-0.25	-0.28	-0.36	-0.36	-0.29
LDR ON	-0.17	-0.19	-0.23	-0.25	-0.27	-0.31	-0.37	-0.37	-0.30
LDR OFF	-0.16	-0.19	-0.21	-0.22	-0.24	-0.28	-0.36	-0.35	-0.28



IIB1- (EA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	-1	-1	-1	-1	-1	-1	-1	-1	-1
<b>Max</b>	--	--	--	--	--	--	--	--	--
<b>Unit</b>	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
<b>1 (CTRL)</b>	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17

<b>Bias on results</b>									
<b>2 (ON)</b>	-0.16	-0.20	-0.22	-0.25	-0.27	-0.31	-0.36	-0.36	-0.30
<b>3 (ON)</b>	-0.17	-0.20	-0.23	-0.25	-0.28	-0.31	-0.37	-0.37	-0.30
<b>4 (ON)</b>	-0.17	-0.20	-0.22	-0.25	-0.27	-0.31	-0.36	-0.36	-0.30
<b>5 (ON)</b>	-0.16	-0.19	-0.22	-0.24	-0.26	-0.30	-0.35	-0.35	-0.29
<b>6 (ON)</b>	-0.17	-0.20	-0.23	-0.25	-0.27	-0.31	-0.36	-0.36	-0.30
<b>Statistics bias on</b>									
<b>min result</b>	-0.17	-0.20	-0.23	-0.25	-0.28	-0.31	-0.37	-0.37	-0.30
<b>max result</b>	-0.16	-0.19	-0.22	-0.24	-0.26	-0.30	-0.35	-0.35	-0.29
<b>average</b>	-0.16	-0.20	-0.22	-0.25	-0.27	-0.30	-0.36	-0.36	-0.30
<b>sigma</b>	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01

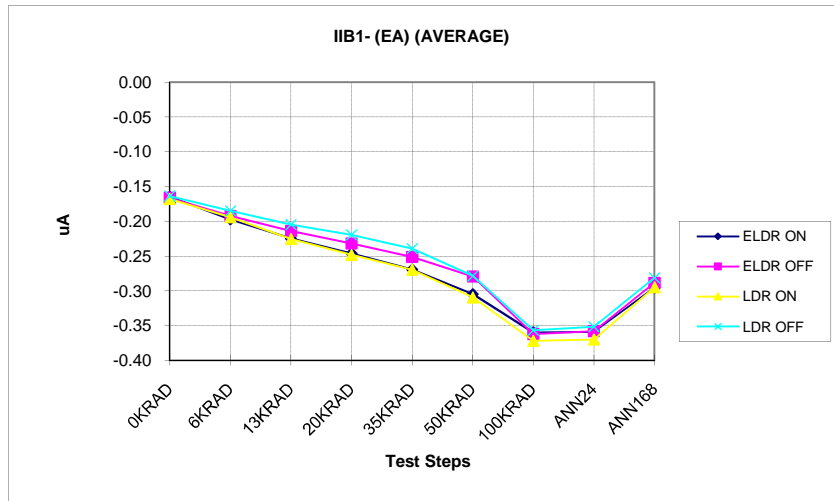
<b>Bias off results</b>									
<b>7 (OFF)</b>	-0.17	-0.20	-0.22	-0.24	-0.26	-0.30	-0.37	-0.37	-0.30
<b>8 (OFF)</b>	-0.18	-0.21	-0.23	-0.25	-0.27	-0.31	-0.39	-0.39	-0.32
<b>9 (OFF)</b>	-0.17	-0.19	-0.21	-0.22	-0.24	-0.27	-0.34	-0.34	-0.28
<b>10 (OFF)</b>	-0.16	-0.19	-0.21	-0.23	-0.25	-0.29	-0.36	-0.36	-0.29
<b>11 (OFF)</b>	-0.15	-0.18	-0.20	-0.22	-0.23	-0.23	-0.34	-0.33	-0.27
<b>Statistics bias off</b>									
<b>min result</b>	-0.18	-0.21	-0.23	-0.25	-0.27	-0.31	-0.39	-0.39	-0.32
<b>max result</b>	-0.15	-0.18	-0.20	-0.22	-0.23	-0.23	-0.34	-0.33	-0.27
<b>average</b>	-0.17	-0.19	-0.21	-0.23	-0.25	-0.28	-0.36	-0.36	-0.29
<b>sigma</b>	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.02	0.02



IIB1- (EA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	-1	-1	-1	-1	-1	-1	-1	-1	-1
<b>Max</b>	--	--	--	--	--	--	--	--	--
<b>Unit</b>	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
<b>1 (CTRL)</b>	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16

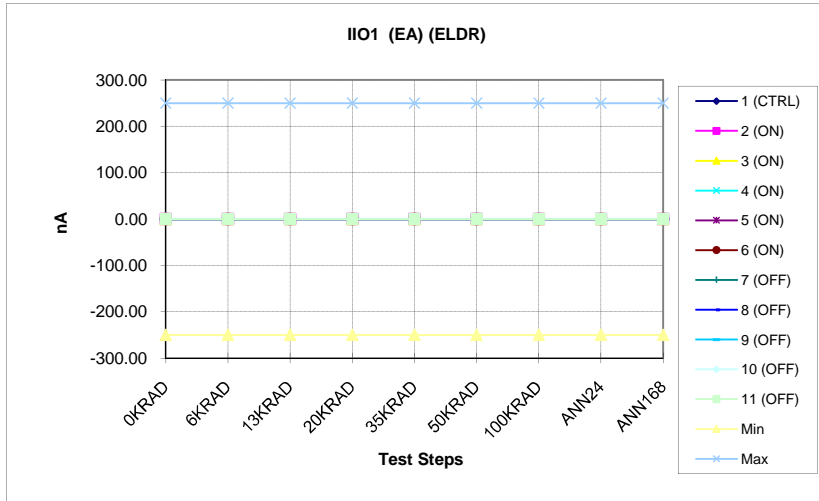
<b>Bias on results</b>									
<b>2 (ON)</b>	-0.18	-0.21	-0.24	-0.27	-0.29	-0.33	-0.39	-0.39	-0.31
<b>3 (ON)</b>	-0.17	-0.20	-0.23	-0.26	-0.28	-0.32	-0.38	-0.38	-0.30
<b>4 (ON)</b>	-0.17	-0.19	-0.22	-0.25	-0.27	-0.31	-0.37	-0.37	-0.29
<b>5 (ON)</b>	-0.16	-0.18	-0.21	-0.23	-0.26	-0.30	-0.36	-0.35	-0.28
<b>6 (ON)</b>	-0.17	-0.19	-0.22	-0.24	-0.26	-0.30	-0.37	-0.37	-0.29
<b>Statistics bias on</b>									
<b>min result</b>	-0.18	-0.21	-0.24	-0.27	-0.29	-0.33	-0.39	-0.39	-0.31
<b>max result</b>	-0.16	-0.18	-0.21	-0.23	-0.26	-0.30	-0.36	-0.35	-0.28
<b>average</b>	-0.17	-0.19	-0.23	-0.25	-0.27	-0.31	-0.37	-0.37	-0.29
<b>sigma</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

<b>Bias off results</b>									
<b>7 (OFF)</b>	-0.16	-0.18	-0.20	-0.21	-0.23	-0.27	-0.34	-0.34	-0.27
<b>8 (OFF)</b>	-0.17	-0.19	-0.21	-0.23	-0.25	-0.29	-0.37	-0.36	-0.29
<b>9 (OFF)</b>	-0.16	-0.18	-0.20	-0.22	-0.24	-0.28	-0.36	-0.35	-0.28
<b>10 (OFF)</b>	-0.17	-0.19	-0.21	-0.22	-0.24	-0.28	-0.36	-0.35	-0.28
<b>11 (OFF)</b>	-0.17	-0.19	-0.21	-0.23	-0.25	-0.29	-0.36	-0.36	-0.29
<b>Statistics bias off</b>									
<b>min result</b>	-0.17	-0.19	-0.21	-0.23	-0.25	-0.29	-0.37	-0.36	-0.29
<b>max result</b>	-0.16	-0.18	-0.20	-0.21	-0.23	-0.27	-0.34	-0.34	-0.27
<b>average</b>	-0.16	-0.19	-0.20	-0.22	-0.24	-0.28	-0.36	-0.35	-0.28
<b>sigma</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



IIB1- (EA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-0.16	-0.20	-0.22	-0.25	-0.27	-0.30	-0.36	-0.36	-0.30
ELDR OFF	-0.17	-0.19	-0.21	-0.23	-0.25	-0.28	-0.36	-0.36	-0.29
LDR ON	-0.17	-0.19	-0.23	-0.25	-0.27	-0.31	-0.37	-0.37	-0.29
LDR OFF	-0.16	-0.19	-0.20	-0.22	-0.24	-0.28	-0.36	-0.35	-0.28

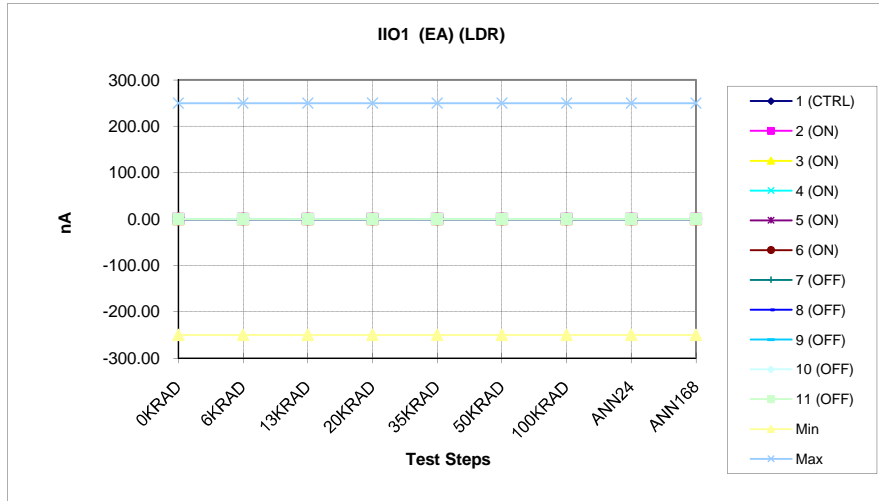




IIO1 (EA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-250	-250	-250	-250	-250	-250	-250	-250	-250
Max	250	250	250	250	250	250	250	250	250
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 (CTRL)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001

Bias on results									
2 (ON)	-0.001	-0.001	0.000	-0.001	0.000	0.000	0.000	-0.001	-0.001
3 (ON)	-0.001	0.000	-0.001	-0.001	-0.001	0.000	-0.002	-0.002	-0.001
4 (ON)	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.003	0.001
5 (ON)	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.003	0.002
6 (ON)	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	0.000
Statistics bias on									
min result	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.002	-0.001
max result	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.003	0.002
average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
sigma	0.001	0.001	0.002	0.001	0.001	0.002	0.002	0.002	0.001

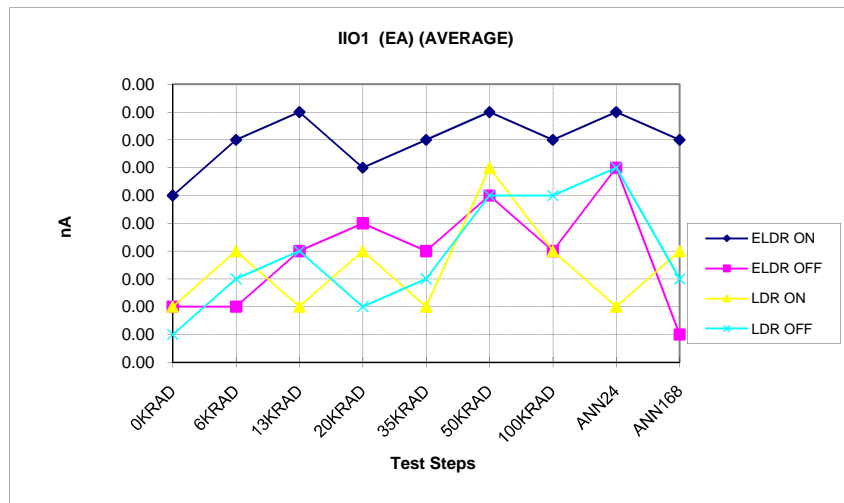
Bias off results									
7 (OFF)	-0.001	-0.001	0.000	0.001	-0.001	0.000	-0.001	0.000	-0.002
8 (OFF)	-0.001	0.000	-0.001	-0.001	0.000	0.001	0.000	0.001	0.001
9 (OFF)	0.000	0.000	0.001	0.001	0.000	0.000	0.002	0.002	0.000
10 (OFF)	-0.002	-0.002	-0.002	-0.002	-0.001	-0.001	-0.003	-0.003	-0.003
11 (OFF)	-0.001	-0.002	-0.001	-0.001	-0.001	-0.001	-0.001	0.000	-0.002
Statistics bias off									
min result	-0.002	-0.002	-0.002	-0.002	-0.001	-0.001	-0.003	-0.003	-0.003
max result	0.000	0.000	0.001	0.001	0.000	0.001	0.002	0.002	0.001
average	-0.001	-0.001	-0.001	0.000	-0.001	0.000	-0.001	0.000	-0.001
sigma	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002



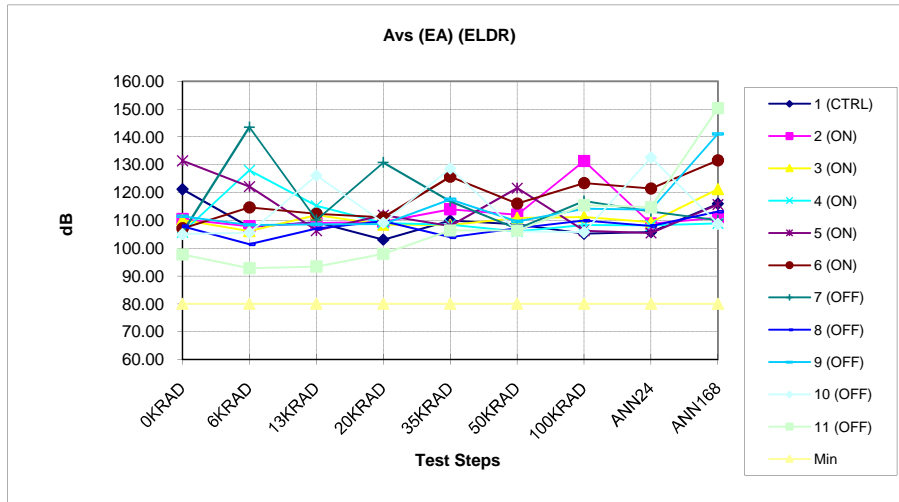
IIO1 (EA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-250	-250	-250	-250	-250	-250	-250	-250	-250
Max	250	250	250	250	250	250	250	250	250
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
<b>Control Results</b>									
1 (CTRL)	-0.001	-0.001	-0.001	-0.002	-0.001	-0.001	-0.002	-0.001	-0.001

<b>Bias on results</b>									
2 (ON)	-0.001	0.000	-0.001	0.001	0.000	0.000	0.000	-0.001	0.000
3 (ON)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.001	-0.001
4 (ON)	-0.003	-0.003	-0.004	-0.004	-0.003	-0.002	-0.003	-0.003	-0.003
5 (ON)	0.000	0.000	0.000	0.000	-0.001	0.002	0.000	0.000	0.002
6 (ON)	-0.001	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	-0.001
<b>Statistics bias on</b>									
min result	-0.003	-0.003	-0.004	-0.004	-0.003	-0.002	-0.003	-0.003	-0.003
max result	0.000	0.000	0.000	0.001	0.000	0.002	0.000	0.000	0.002
average	-0.001	-0.001	-0.001	-0.001	-0.001	0.000	-0.001	-0.001	-0.001
sigma	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.002

<b>Bias off results</b>									
7 (OFF)	0.001	0.002	0.002	0.002	0.002	0.004	0.004	0.003	0.002
8 (OFF)	-0.003	-0.002	-0.002	-0.002	-0.003	-0.003	-0.003	-0.003	-0.003
9 (OFF)	0.000	0.001	0.000	0.000	0.001	0.001	0.003	0.004	0.002
10 (OFF)	-0.002	-0.002	-0.001	-0.002	-0.001	-0.002	-0.001	-0.001	-0.002
11 (OFF)	-0.002	-0.003	-0.002	-0.003	-0.003	-0.001	-0.004	-0.003	-0.003
<b>Statistics bias off</b>									
min result	-0.003	-0.003	-0.002	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003
max result	0.001	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.002
average	-0.001	-0.001	-0.001	-0.001	-0.001	0.000	0.000	0.000	-0.001
sigma	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.003	0.003



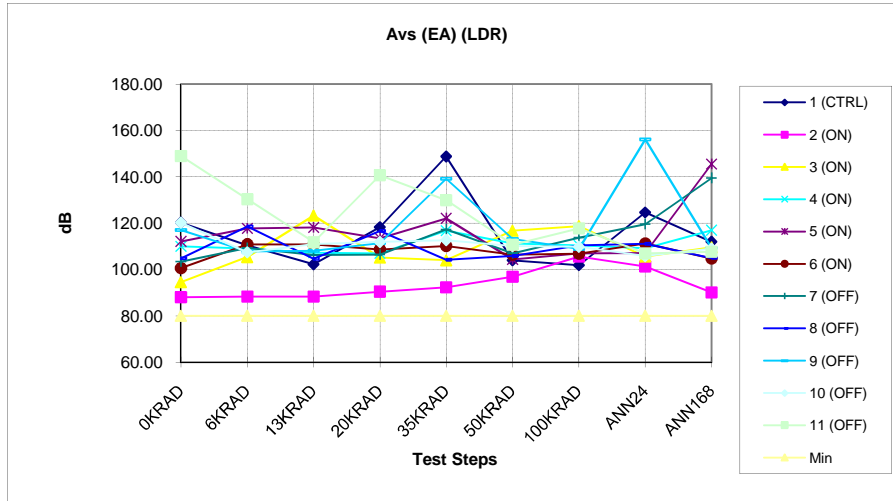
IIO1 (EA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ELDR OFF	-0.001	-0.001	-0.001	0.000	-0.001	0.000	-0.001	0.000	-0.001
LDR ON	-0.001	-0.001	-0.001	-0.001	-0.001	0.000	-0.001	-0.001	-0.001
LDR OFF	-0.001	-0.001	-0.001	-0.001	-0.001	0.000	0.000	0.000	-0.001



Avs (EA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>
<b>Max</b>	--	--	--	--	--	--	--	--	--
<b>Unit</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>
<b>Control Results</b>									
<b>1 (CTRL)</b>	121.23	107.60	109.41	103.03	109.99	108.54	105.18	105.78	115.99

<b>Bias on results</b>									
<b>2 (ON)</b>	110.46	107.87	109.04	109.50	114.04	112.07	131.34	108.85	110.95
<b>3 (ON)</b>	110.24	106.14	111.86	108.44	108.38	110.84	111.24	109.40	121.20
<b>4 (ON)</b>	105.71	128.01	115.22	109.02	108.49	106.05	108.37	108.19	108.93
<b>5 (ON)</b>	131.44	122.18	106.35	111.94	108.03	121.55	106.32	105.49	115.73
<b>6 (ON)</b>	107.13	114.66	112.39	111.05	125.73	116.09	123.41	121.47	131.56
<b>Statistics bias on</b>									
<b>min result</b>	105.71	106.14	106.35	108.44	108.03	106.05	106.32	105.49	108.93
<b>max result</b>	131.44	128.01	115.22	111.94	125.73	121.55	131.34	121.47	131.56
<b>average</b>	113.00	115.77	110.97	109.99	112.93	113.32	116.13	110.68	117.68
<b>sigma</b>	10.51	9.32	3.39	1.46	7.57	5.83	10.78	6.22	9.09

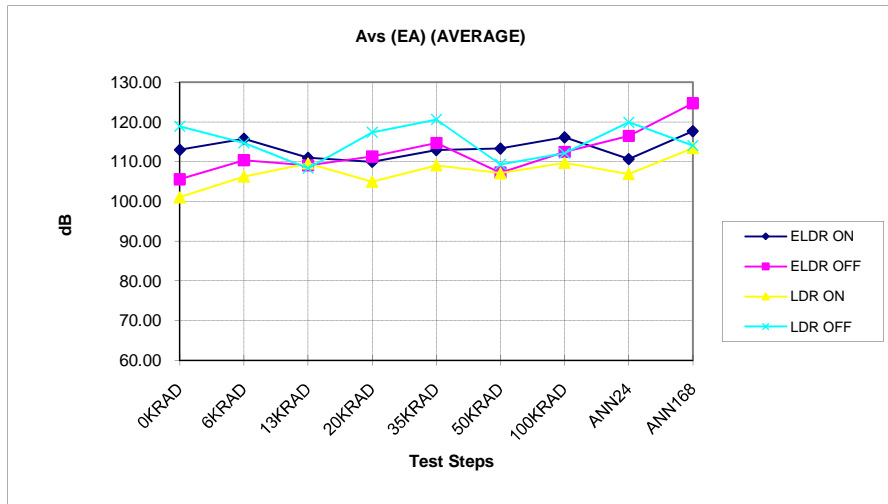
<b>Bias off results</b>									
<b>7 (OFF)</b>	105.55	143.52	110.18	130.84	116.87	106.98	116.93	113.17	110.08
<b>8 (OFF)</b>	107.91	101.39	107.04	109.72	103.95	107.24	109.91	108.03	113.13
<b>9 (OFF)</b>	111.51	108.40	108.59	108.70	117.57	109.59	114.22	113.84	141.11
<b>10 (OFF)</b>	105.08	105.64	126.13	109.19	128.69	106.02	105.86	132.63	108.75
<b>11 (OFF)</b>	97.79	92.78	93.43	97.99	106.38	106.38	115.42	114.74	150.38
<b>Statistics bias off</b>									
<b>min result</b>	97.79	92.78	93.43	97.99	103.95	106.02	105.86	108.03	108.75
<b>max result</b>	111.51	143.52	126.13	130.84	128.69	109.59	116.93	132.63	150.38
<b>average</b>	105.57	110.34	109.07	111.29	114.69	107.24	112.47	116.48	124.69
<b>sigma</b>	5.04	19.47	11.63	11.97	9.92	1.40	4.53	9.40	19.56



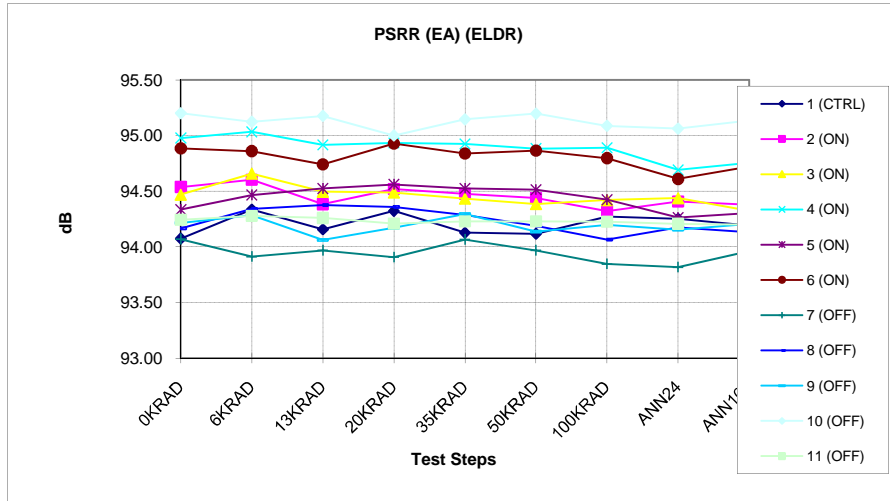
Avs (EA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>
<b>Max</b>	--	--	--	--	--	--	--	--	--
<b>Unit</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>
<b>Control Results</b>									
<b>1 (CTRL)</b>	120.23	110.48	102.22	118.28	148.78	103.98	101.86	124.63	111.97

<b>Bias on results</b>									
<b>2 (ON)</b>	88.01	88.34	88.30	90.45	92.35	96.86	105.62	101.33	90.15
<b>3 (ON)</b>	94.60	105.40	123.24	105.19	104.04	116.78	118.72	105.64	109.64
<b>4 (ON)</b>	110.00	109.01	107.27	106.98	116.75	111.19	110.40	109.19	116.98
<b>5 (ON)</b>	112.14	117.71	118.13	113.50	122.08	104.31	106.99	107.08	145.51
<b>6 (ON)</b>	100.58	110.88	110.78	108.69	110.20	106.46	106.83	111.23	104.76
<b>Statistics bias on</b>									
<b>min result</b>	88.01	88.34	88.30	90.45	92.35	96.86	105.62	101.33	90.15
<b>max result</b>	112.14	117.71	123.24	113.50	122.08	116.78	118.72	111.23	145.51
<b>average</b>	101.06	106.27	109.54	104.96	109.08	107.12	109.71	106.89	113.40
<b>sigma</b>	10.19	10.98	13.41	8.68	11.56	7.48	5.34	3.77	20.45

<b>Bias off results</b>									
<b>7 (OFF)</b>	103.40	109.35	106.27	106.43	117.28	106.93	113.79	119.59	139.49
<b>8 (OFF)</b>	104.82	118.57	104.58	116.70	104.17	105.85	110.42	111.08	104.94
<b>9 (OFF)</b>	117.06	107.79	108.07	111.32	139.15	113.14	108.89	156.16	109.26
<b>10 (OFF)</b>	120.16	107.43	111.00	111.88	112.66	110.12	109.81	105.80	109.04
<b>11 (OFF)</b>	148.91	130.31	111.73	140.68	129.85	110.65	117.76	106.93	107.69
<b>Statistics bias off</b>									
<b>min result</b>	103.40	107.43	104.58	106.43	104.17	105.85	108.89	105.80	104.94
<b>max result</b>	148.91	130.31	111.73	140.68	139.15	113.14	117.76	156.16	139.49
<b>average</b>	118.87	114.69	108.33	117.40	120.62	109.34	112.13	119.91	114.08
<b>sigma</b>	18.33	9.84	3.04	13.51	13.91	2.95	3.65	20.98	14.30



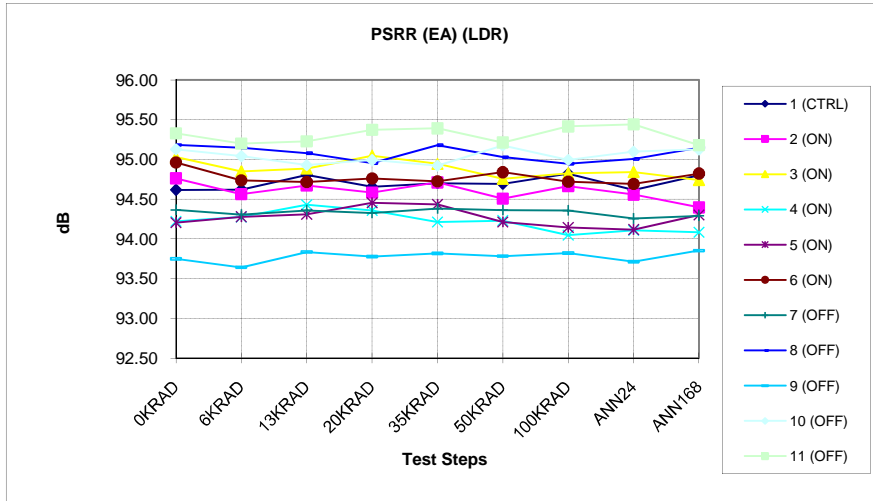
Avs (EA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	113.00	115.77	110.97	109.99	112.93	113.32	116.13	110.68	117.68
ELDR OFF	105.57	110.34	109.07	111.29	114.69	107.24	112.47	116.48	124.69
LDR ON	101.06	106.27	109.54	104.96	109.08	107.12	109.71	106.89	113.40
LDR OFF	118.87	114.69	108.33	117.40	120.62	109.34	112.13	119.91	114.08



PSRR (EA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>
<b>Max</b>	--	--	--	--	--	--	--	--	--
<b>Unit</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>
<b>Control Results</b>									
<b>1 (CTRL)</b>	94.07	94.34	94.16	94.32	94.13	94.12	94.27	94.25	94.19

<b>Bias on results</b>									
<b>2 (ON)</b>	94.54	94.60	94.38	94.52	94.48	94.44	94.32	94.41	94.38
<b>3 (ON)</b>	94.47	94.66	94.50	94.49	94.43	94.39	94.42	94.44	94.33
<b>4 (ON)</b>	94.98	95.03	94.92	94.93	94.93	94.88	94.89	94.69	94.75
<b>5 (ON)</b>	94.33	94.47	94.52	94.56	94.53	94.51	94.42	94.26	94.30
<b>6 (ON)</b>	94.89	94.86	94.74	94.93	94.84	94.87	94.80	94.61	94.72
<b>Statistics bias on</b>									
<b>min result</b>	94.33	94.47	94.38	94.49	94.43	94.39	94.32	94.26	94.30
<b>max result</b>	94.98	95.03	94.92	94.93	94.93	94.88	94.89	94.69	94.75
<b>average</b>	94.64	94.72	94.61	94.69	94.64	94.62	94.57	94.48	94.50
<b>sigma</b>	0.28	0.22	0.21	0.22	0.23	0.24	0.25	0.17	0.22

<b>Bias off results</b>									
<b>7 (OFF)</b>	94.07	93.91	93.97	93.91	94.07	93.97	93.85	93.82	93.96
<b>8 (OFF)</b>	94.17	94.34	94.38	94.36	94.29	94.19	94.06	94.18	94.13
<b>9 (OFF)</b>	94.22	94.28	94.06	94.17	94.30	94.14	94.20	94.15	94.21
<b>10 (OFF)</b>	95.20	95.12	95.18	95.00	95.15	95.20	95.09	95.06	95.14
<b>11 (OFF)</b>	94.24	94.28	94.26	94.21	94.23	94.23	94.23	94.21	94.20
<b>Statistics bias off</b>									
<b>min result</b>	94.07	93.91	93.97	93.91	94.07	93.97	93.85	93.82	93.96
<b>max result</b>	95.20	95.12	95.18	95.00	95.15	95.20	95.09	95.06	95.14
<b>average</b>	94.38	94.39	94.37	94.33	94.40	94.34	94.28	94.28	94.33
<b>sigma</b>	0.46	0.45	0.48	0.41	0.42	0.49	0.47	0.46	0.46

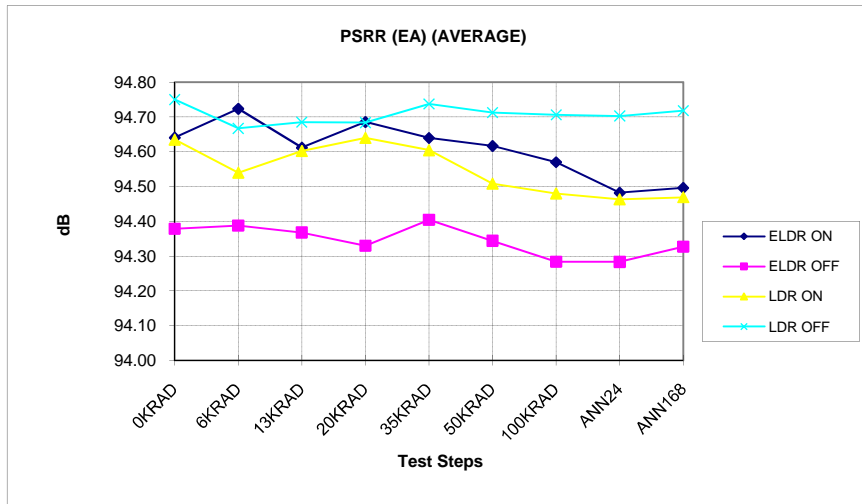


PSRR (EA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	80	80	80	80	80	80	80	80	80
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
<b>Control Results</b>									
1 (CTRL)	94.62	94.62	94.81	94.65	94.70	94.69	94.82	94.61	94.80

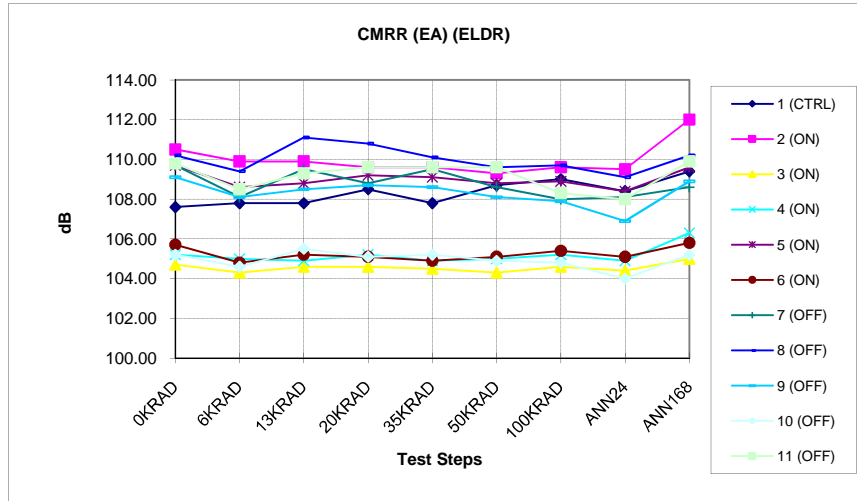
<b>Bias on results</b>									
2 (ON)	94.76	94.56	94.67	94.58	94.71	94.51	94.67	94.56	94.40
3 (ON)	95.03	94.85	94.89	95.05	94.95	94.76	94.83	94.84	94.74
4 (ON)	94.22	94.28	94.43	94.36	94.21	94.23	94.05	94.11	94.08
5 (ON)	94.20	94.28	94.31	94.45	94.43	94.21	94.14	94.12	94.30
6 (ON)	94.96	94.74	94.72	94.76	94.72	94.84	94.72	94.69	94.82
<b>Statistics bias on</b>									
min result	94.20	94.28	94.31	94.36	94.21	94.21	94.05	94.11	94.08
max result	95.03	94.85	94.89	95.05	94.95	94.84	94.83	94.84	94.82
average	94.64	94.54	94.60	94.64	94.60	94.51	94.48	94.46	94.47
sigma	0.40	0.26	0.23	0.27	0.29	0.29	0.36	0.34	0.31

<b>Bias off results</b>									
7 (OFF)	94.36	94.31	94.36	94.33	94.38	94.36	94.36	94.26	94.29
8 (OFF)	95.18	95.15	95.08	94.95	95.18	95.03	94.94	95.01	95.15
9 (OFF)	93.75	93.64	93.84	93.78	93.82	93.78	93.82	93.71	93.85
10 (OFF)	95.13	95.04	94.93	94.99	94.92	95.18	94.99	95.10	95.13
11 (OFF)	95.33	95.20	95.23	95.37	95.39	95.21	95.42	95.44	95.18
<b>Statistics bias off</b>									
min result	93.75	93.64	93.84	93.78	93.82	93.78	93.82	93.71	93.85
max result	95.33	95.20	95.23	95.37	95.39	95.21	95.42	95.44	95.18
average	94.75	94.67	94.69	94.68	94.74	94.71	94.71	94.70	94.72
sigma	0.67	0.68	0.58	0.63	0.64	0.62	0.62	0.70	0.61





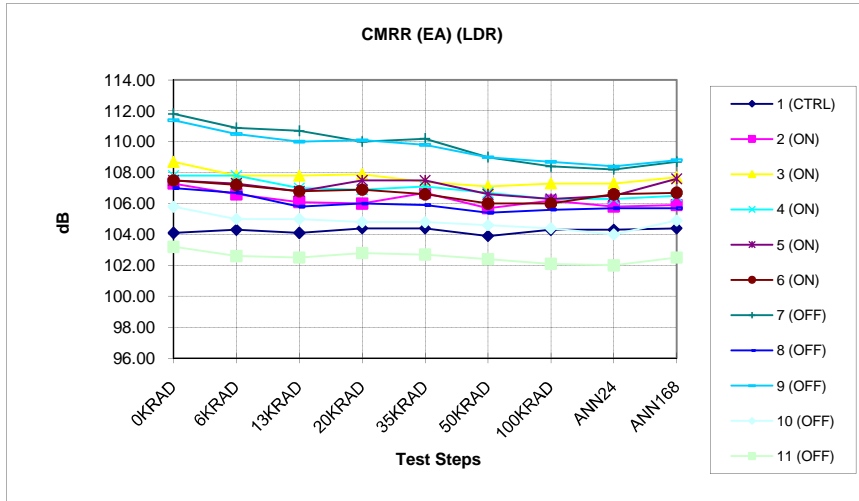
PSRR (EA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	94.64	94.72	94.61	94.69	94.64	94.62	94.57	94.48	94.50
ELDR OFF	94.38	94.39	94.37	94.33	94.40	94.34	94.28	94.28	94.33
LDR ON	94.64	94.54	94.60	94.64	94.60	94.51	94.48	94.46	94.47
LDR OFF	94.75	94.67	94.69	94.68	94.74	94.71	94.71	94.70	94.72



CMRR (EA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	75	75	75	75	75	75	75	75	75
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
<b>Control Results</b>									
1 (CTRL)	107.60	107.80	107.80	108.50	107.80	108.70	109.00	108.40	109.40

<b>Bias on results</b>									
2 (ON)	110.50	109.90	109.90	109.60	109.60	109.30	109.60	109.50	112.00
3 (ON)	104.70	104.30	104.60	104.60	104.50	104.30	104.60	104.40	105.00
4 (ON)	105.20	105.00	104.90	105.20	104.90	105.00	105.20	104.90	106.30
5 (ON)	109.70	108.60	108.80	109.20	109.10	108.80	108.90	108.40	109.60
6 (ON)	105.70	104.80	105.20	105.10	104.90	105.10	105.40	105.10	105.80
<b>Statistics bias on</b>									
min result	104.70	104.30	104.60	104.60	104.50	104.30	104.60	104.40	105.00
max result	110.50	109.90	109.90	109.60	109.60	109.30	109.60	109.50	112.00
average	107.16	106.52	106.68	106.74	106.60	106.50	106.74	106.46	107.74
sigma	2.72	2.55	2.48	2.44	2.52	2.35	2.32	2.32	2.96

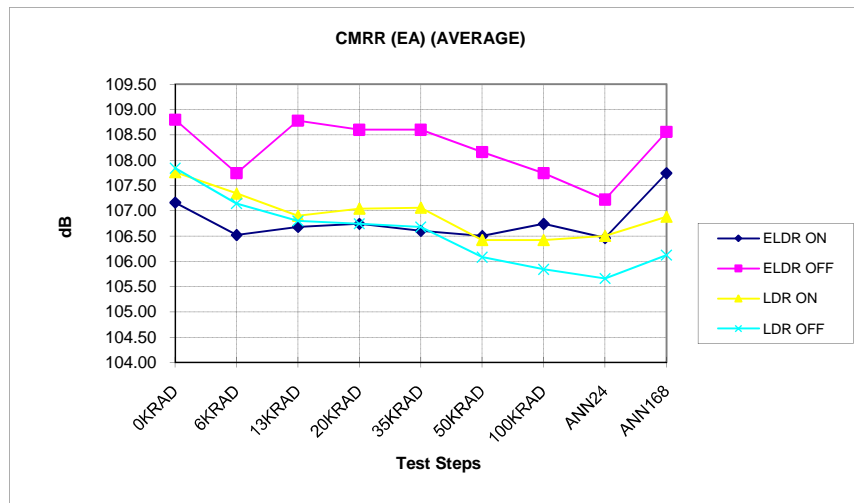
<b>Bias off results</b>									
7 (OFF)	109.70	108.10	109.50	108.80	109.50	108.60	108.00	108.10	108.60
8 (OFF)	110.20	109.40	111.10	110.80	110.10	109.60	109.70	109.10	110.20
9 (OFF)	109.10	108.10	108.50	108.70	108.60	108.10	107.90	106.90	108.90
10 (OFF)	105.20	104.60	105.50	105.10	105.20	104.90	104.80	104.00	105.20
11 (OFF)	109.80	108.50	109.30	109.60	109.60	109.60	108.30	108.00	109.90
<b>Statistics bias off</b>									
min result	105.20	104.60	105.50	105.10	105.20	104.90	104.80	104.00	105.20
max result	110.20	109.40	111.10	110.80	110.10	109.60	109.70	109.10	110.20
average	108.80	107.74	108.78	108.60	108.60	108.16	107.74	107.22	108.56
sigma	2.05	1.83	2.06	2.13	1.98	1.93	1.80	1.96	1.99



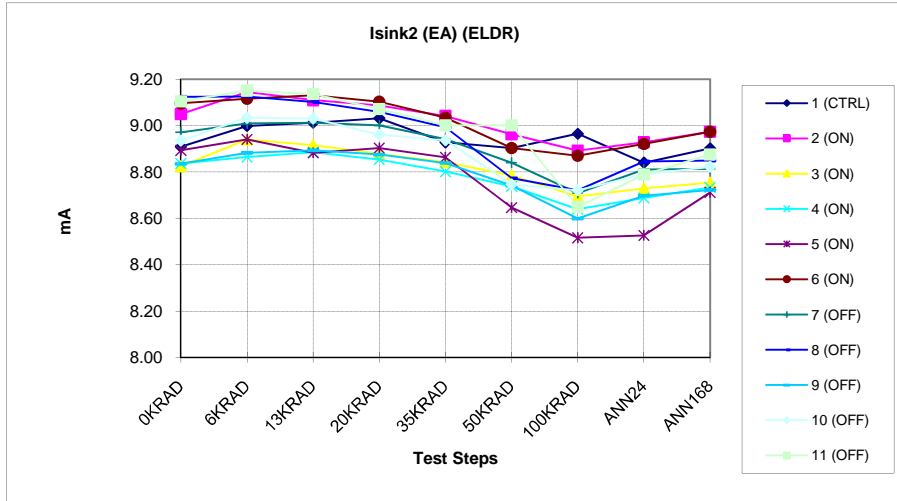
CMRR (EA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	75	75	75	75	75	75	75	75	75
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
<b>Control Results</b>									
1 (CTRL)	104.10	104.30	104.10	104.40	104.40	103.90	104.30	104.30	104.40

<b>Bias on results</b>									
2 (ON)	107.30	106.60	106.10	106.00	106.70	105.70	106.20	105.80	105.90
3 (ON)	108.70	107.80	107.80	107.90	107.40	107.10	107.30	107.30	107.70
4 (ON)	107.80	107.80	107.00	106.90	107.10	106.70	106.30	106.30	106.50
5 (ON)	107.50	107.30	106.80	107.50	107.50	106.60	106.30	106.50	107.60
6 (ON)	107.50	107.20	106.80	106.90	106.60	106.00	106.00	106.60	106.70
<b>Statistics bias on</b>									
min result	107.30	106.60	106.10	106.00	106.60	105.70	106.00	105.80	105.90
max result	108.70	107.80	107.80	107.90	107.50	107.10	107.30	107.30	107.70
average	107.76	107.34	106.90	107.04	107.06	106.42	106.42	106.50	106.88
sigma	0.55	0.50	0.61	0.72	0.40	0.56	0.51	0.54	0.76

<b>Bias off results</b>									
7 (OFF)	111.80	110.90	110.70	110.00	110.20	109.00	108.40	108.20	108.70
8 (OFF)	107.00	106.70	105.80	106.00	105.90	105.40	105.60	105.70	105.70
9 (OFF)	111.40	110.50	110.00	110.10	109.80	109.00	108.70	108.40	108.80
10 (OFF)	105.80	105.00	105.00	104.80	104.80	104.60	104.40	104.00	104.90
11 (OFF)	103.20	102.60	102.50	102.80	102.70	102.40	102.10	102.00	102.50
<b>Statistics bias off</b>									
min result	103.20	102.60	102.50	102.80	102.70	102.40	102.10	102.00	102.50
max result	111.80	110.90	110.70	110.10	110.20	109.00	108.70	108.40	108.80
average	107.84	107.14	106.80	106.74	106.68	106.08	105.84	105.66	106.12
sigma	3.70	3.56	3.47	3.23	3.24	2.88	2.78	2.74	2.67



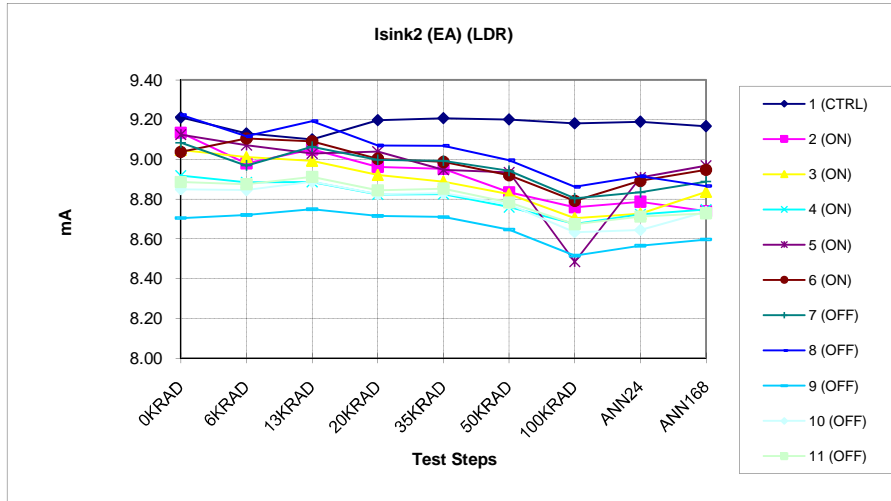
CMRR (EA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	107.16	106.52	106.68	106.74	106.60	106.50	106.74	106.46	107.74
ELDR OFF	108.80	107.74	108.78	108.60	108.60	108.16	107.74	107.22	108.56
LDR ON	107.76	107.34	106.90	107.04	107.06	106.42	106.42	106.50	106.88
LDR OFF	107.84	107.14	106.80	106.74	106.68	106.08	105.84	105.66	106.12



Isink2 (EA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	2	2	2	2	2	2	2	2	2
Max	--	--	--	--	--	--	--	--	--
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
<b>Control Results</b>									
1 (CTRL)	8.91	9.00	9.01	9.03	8.93	8.90	8.97	8.84	8.90

<b>Bias on results</b>									
2 (ON)	9.05	9.15	9.11	9.09	9.04	8.96	8.89	8.93	8.97
3 (ON)	8.83	8.94	8.92	8.88	8.84	8.78	8.70	8.73	8.75
4 (ON)	8.84	8.87	8.89	8.85	8.80	8.74	8.64	8.69	8.73
5 (ON)	8.89	8.94	8.88	8.90	8.86	8.65	8.52	8.53	8.71
6 (ON)	9.10	9.12	9.13	9.10	9.03	8.90	8.87	8.92	8.97
<b>Statistics bias on</b>									
min result	8.83	8.87	8.88	8.85	8.80	8.65	8.52	8.53	8.71
max result	9.10	9.15	9.13	9.10	9.04	8.96	8.89	8.93	8.97
average	8.94	9.00	8.99	8.97	8.92	8.81	8.72	8.76	8.83
sigma	0.12	0.12	0.12	0.12	0.11	0.13	0.16	0.17	0.13

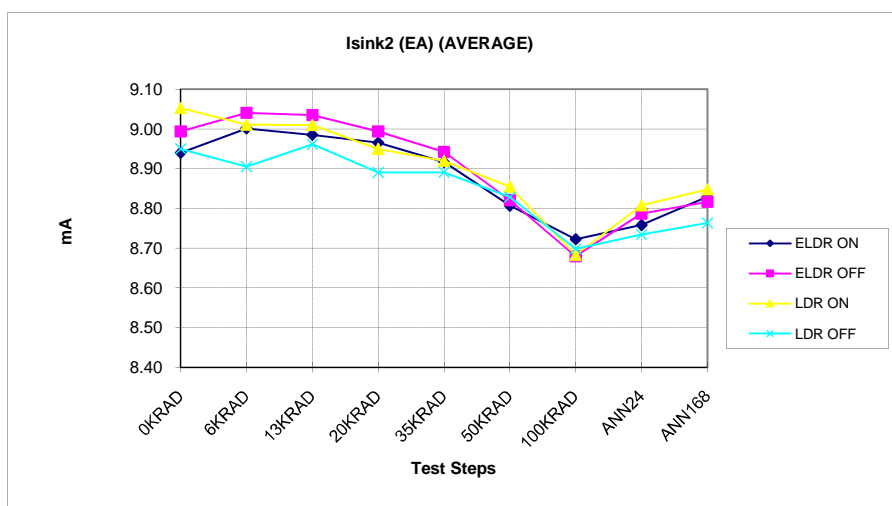
<b>Bias off results</b>									
7 (OFF)	8.97	9.01	9.01	9.00	8.94	8.84	8.71	8.81	8.81
8 (OFF)	9.12	9.13	9.10	9.06	8.99	8.77	8.72	8.85	8.85
9 (OFF)	8.84	8.88	8.89	8.88	8.84	8.74	8.60	8.70	8.72
10 (OFF)	8.94	9.03	9.03	8.96	8.94	8.75	8.72	8.79	8.82
11 (OFF)	9.11	9.15	9.14	9.07	9.00	9.00	8.65	8.79	8.88
<b>Statistics bias off</b>									
min result	8.84	8.88	8.89	8.88	8.84	8.74	8.60	8.70	8.72
max result	9.12	9.15	9.14	9.07	9.00	9.00	8.72	8.85	8.88
average	8.99	9.04	9.04	8.99	8.94	8.82	8.68	8.79	8.82
sigma	0.12	0.11	0.09	0.08	0.06	0.11	0.05	0.05	0.06



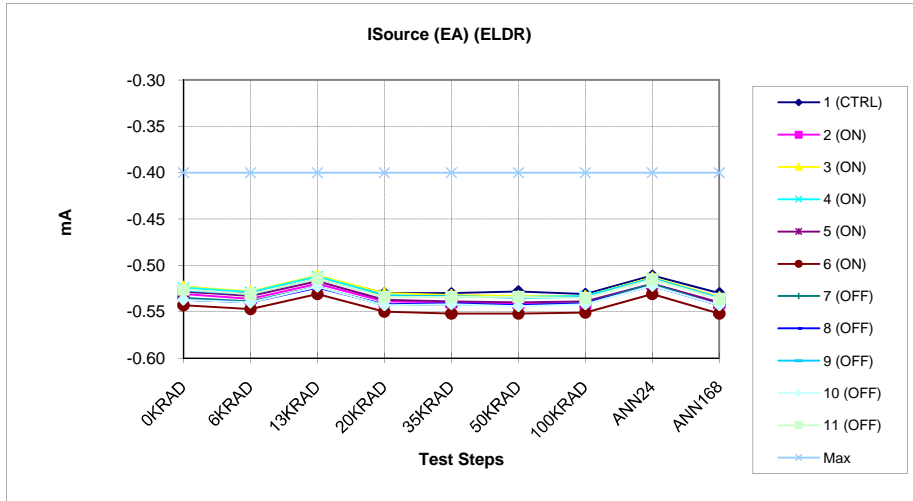
Isink2 (EA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	2	2	2	2	2	2	2	2	2
Max	--	--	--	--	--	--	--	--	--
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
<b>Control Results</b>									
1 (CTRL)	9.21	9.13	9.10	9.20	9.21	9.20	9.18	9.19	9.17

<b>Bias on results</b>									
2 (ON)	9.13	8.98	9.05	8.96	8.95	8.83	8.76	8.79	8.74
3 (ON)	9.05	9.01	8.99	8.92	8.89	8.83	8.70	8.73	8.84
4 (ON)	8.92	8.88	8.89	8.82	8.83	8.76	8.68	8.72	8.75
5 (ON)	9.13	9.07	9.03	9.04	8.95	8.93	8.49	8.91	8.97
6 (ON)	9.04	9.11	9.09	9.00	8.99	8.92	8.79	8.89	8.95
<b>Statistics bias on</b>									
min result	8.92	8.88	8.89	8.82	8.83	8.76	8.49	8.72	8.74
max result	9.13	9.11	9.09	9.04	8.99	8.93	8.79	8.91	8.97
average	9.05	9.01	9.01	8.95	8.92	8.85	8.68	8.81	8.85
sigma	0.09	0.09	0.08	0.08	0.06	0.07	0.12	0.09	0.11

<b>Bias off results</b>									
7 (OFF)	9.08	8.97	9.06	9.00	8.99	8.94	8.80	8.83	8.89
8 (OFF)	9.22	9.12	9.19	9.07	9.07	9.00	8.86	8.92	8.87
9 (OFF)	8.71	8.72	8.75	8.72	8.71	8.65	8.52	8.57	8.60
10 (OFF)	8.85	8.85	8.89	8.83	8.83	8.77	8.63	8.65	8.74
11 (OFF)	8.89	8.88	8.91	8.84	8.85	8.78	8.67	8.71	8.73
<b>Statistics bias off</b>									
min result	8.71	8.72	8.75	8.72	8.71	8.65	8.52	8.57	8.60
max result	9.22	9.12	9.19	9.07	9.07	9.00	8.86	8.92	8.89
average	8.95	8.91	8.96	8.89	8.89	8.83	8.70	8.73	8.76
sigma	0.20	0.15	0.17	0.14	0.14	0.14	0.14	0.14	0.12



Isink2 (EA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	8.94	9.00	8.99	8.97	8.92	8.81	8.72	8.76	8.83
ELDR OFF	8.99	9.04	9.04	8.99	8.94	8.82	8.68	8.79	8.82
LDR ON	9.05	9.01	9.01	8.95	8.92	8.85	8.68	8.81	8.85
LDR OFF	8.95	8.91	8.96	8.89	8.89	8.83	8.70	8.73	8.76

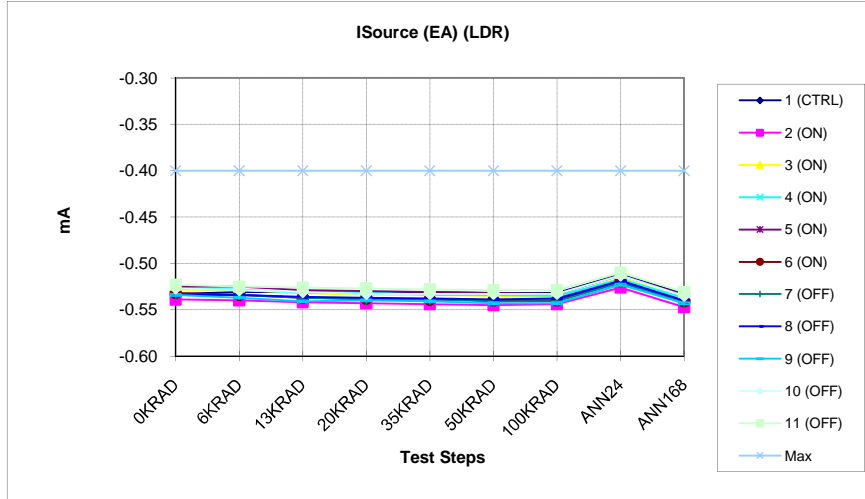


ISource (EA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
<b>Control Results</b>									
1 (CTRL)	-0.53	-0.53	-0.51	-0.53	-0.53	-0.53	-0.53	-0.51	-0.53

<b>Bias on results</b>									
2 (ON)	-0.53	-0.54	-0.52	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
3 (ON)	-0.52	-0.53	-0.51	-0.53	-0.53	-0.53	-0.53	-0.51	-0.53
4 (ON)	-0.52	-0.53	-0.51	-0.53	-0.53	-0.53	-0.53	-0.51	-0.54
5 (ON)	-0.53	-0.53	-0.52	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
6 (ON)	-0.54	-0.55	-0.53	-0.55	-0.55	-0.55	-0.55	-0.53	-0.55
<b>Statistics bias on</b>									
min result	-0.54	-0.55	-0.53	-0.55	-0.55	-0.55	-0.55	-0.53	-0.55
max result	-0.52	-0.53	-0.51	-0.53	-0.53	-0.53	-0.53	-0.51	-0.53
average	-0.53	-0.53	-0.52	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

<b>Bias off results</b>									
7 (OFF)	-0.54	-0.54	-0.52	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
8 (OFF)	-0.54	-0.54	-0.52	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
9 (OFF)	-0.53	-0.53	-0.51	-0.53	-0.53	-0.54	-0.53	-0.51	-0.54
10 (OFF)	-0.54	-0.54	-0.52	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
11 (OFF)	-0.53	-0.53	-0.51	-0.53	-0.53	-0.53	-0.54	-0.52	-0.54
<b>Statistics bias off</b>									
min result	-0.54	-0.54	-0.52	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
max result	-0.53	-0.53	-0.51	-0.53	-0.53	-0.53	-0.53	-0.51	-0.54
average	-0.53	-0.54	-0.52	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
sigma	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00

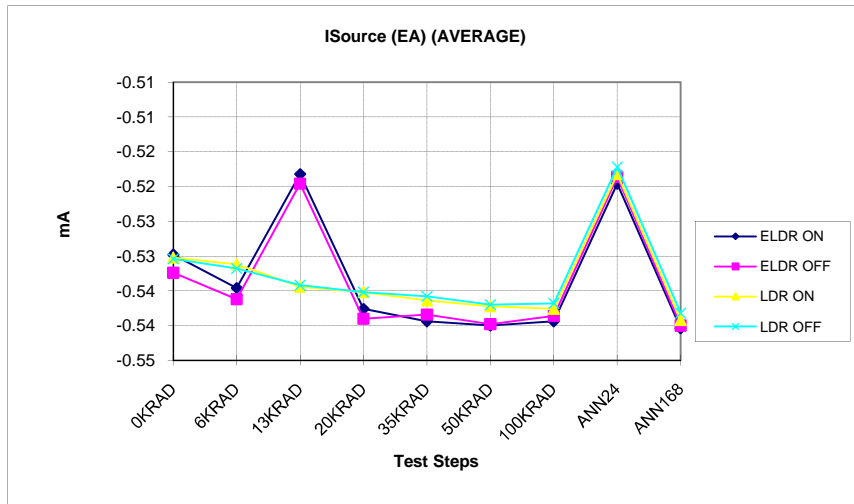




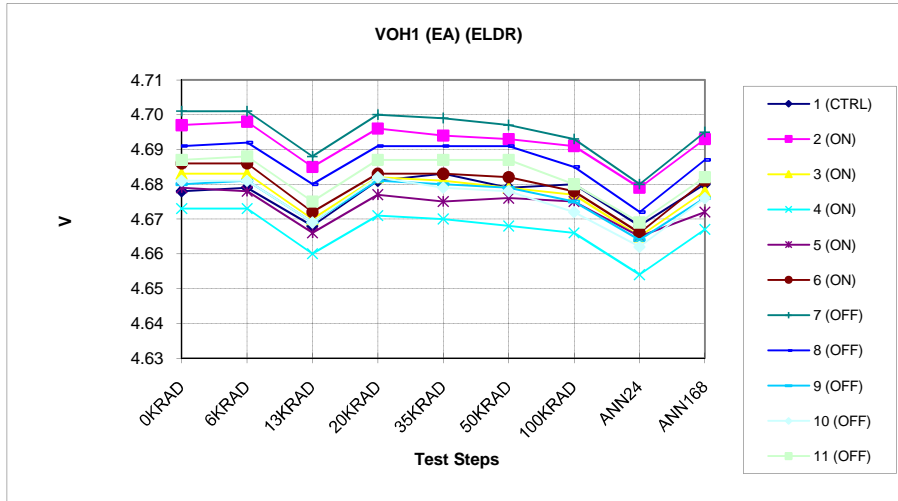
ISource (EA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	--	--	--	--	--	--	--	--	--
<b>Max</b>	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
<b>Unit</b>	mA	mA	mA	mA	mA	mA	mA	mA	mA
<b>Control Results</b>									
<b>1 (CTRL)</b>	-0.53	-0.53	-0.53	-0.53	-0.53	-0.53	-0.53	-0.51	-0.53

<b>Bias on results</b>									
<b>2 (ON)</b>	-0.54	-0.54	-0.54	-0.54	-0.54	-0.55	-0.54	-0.53	-0.55
<b>3 (ON)</b>	-0.53	-0.53	-0.53	-0.53	-0.53	-0.54	-0.54	-0.52	-0.54
<b>4 (ON)</b>	-0.53	-0.53	-0.53	-0.53	-0.53	-0.53	-0.54	-0.52	-0.54
<b>5 (ON)</b>	-0.53	-0.53	-0.53	-0.53	-0.53	-0.53	-0.53	-0.51	-0.53
<b>6 (ON)</b>	-0.53	-0.53	-0.54	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
<b>Statistics bias on</b>									
<b>min result</b>	-0.54	-0.54	-0.54	-0.54	-0.54	-0.55	-0.54	-0.53	-0.55
<b>max result</b>	-0.53	-0.53	-0.53	-0.53	-0.53	-0.53	-0.53	-0.51	-0.53
<b>average</b>	-0.53	-0.53	-0.53	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
<b>sigma</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01

<b>Bias off results</b>									
<b>7 (OFF)</b>	-0.53	-0.53	-0.54	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
<b>8 (OFF)</b>	-0.53	-0.53	-0.54	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
<b>9 (OFF)</b>	-0.53	-0.54	-0.54	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
<b>10 (OFF)</b>	-0.53	-0.53	-0.53	-0.53	-0.53	-0.53	-0.53	-0.51	-0.54
<b>11 (OFF)</b>	-0.52	-0.53	-0.53	-0.53	-0.53	-0.53	-0.53	-0.51	-0.53
<b>Statistics bias off</b>									
<b>min result</b>	-0.53	-0.54	-0.54	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
<b>max result</b>	-0.52	-0.53	-0.53	-0.53	-0.53	-0.53	-0.53	-0.51	-0.53
<b>average</b>	-0.53	-0.53	-0.53	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
<b>sigma</b>	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01



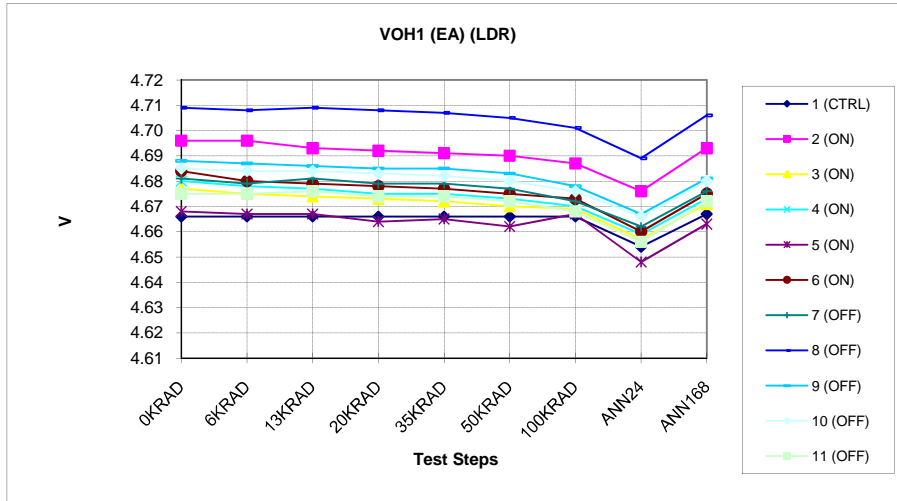
ISource (EA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-0.53	-0.53	-0.52	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
ELDR OFF	-0.53	-0.54	-0.52	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
LDR ON	-0.53	-0.53	-0.53	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54
LDR OFF	-0.53	-0.53	-0.53	-0.54	-0.54	-0.54	-0.54	-0.52	-0.54



VOH1 (EA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	4.68	4.68	4.67	4.68	4.68	4.68	4.68	4.67	4.68

<b>Bias on results</b>									
2 (ON)	4.70	4.70	4.69	4.70	4.69	4.69	4.69	4.68	4.69
3 (ON)	4.68	4.68	4.67	4.68	4.68	4.68	4.68	4.67	4.68
4 (ON)	4.67	4.67	4.66	4.67	4.67	4.67	4.67	4.65	4.67
5 (ON)	4.68	4.68	4.67	4.68	4.68	4.68	4.68	4.67	4.67
6 (ON)	4.69	4.69	4.67	4.68	4.68	4.68	4.68	4.67	4.68
<b>Statistics bias on</b>									
min result	4.67	4.67	4.66	4.67	4.67	4.67	4.67	4.65	4.67
max result	4.70	4.70	4.69	4.70	4.69	4.69	4.69	4.68	4.69
average	4.68	4.68	4.67	4.68	4.68	4.68	4.68	4.67	4.68
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

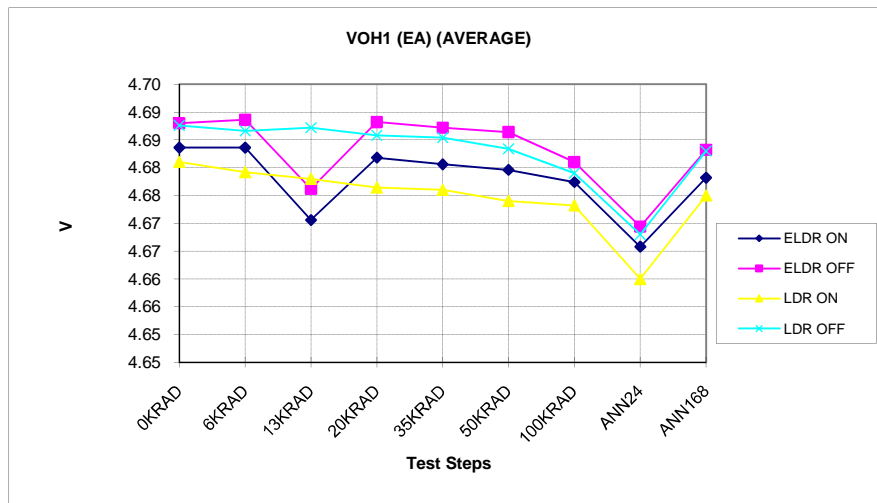
<b>Bias off results</b>									
7 (OFF)	4.70	4.70	4.69	4.70	4.70	4.70	4.69	4.68	4.70
8 (OFF)	4.69	4.69	4.68	4.69	4.69	4.69	4.69	4.67	4.69
9 (OFF)	4.68	4.68	4.67	4.68	4.68	4.68	4.68	4.66	4.68
10 (OFF)	4.68	4.68	4.67	4.68	4.68	4.68	4.67	4.66	4.68
11 (OFF)	4.69	4.69	4.68	4.69	4.69	4.69	4.68	4.67	4.68
<b>Statistics bias off</b>									
min result	4.68	4.68	4.67	4.68	4.68	4.68	4.67	4.66	4.68
max result	4.70	4.70	4.69	4.70	4.70	4.70	4.69	4.68	4.70
average	4.69	4.69	4.68	4.69	4.69	4.69	4.68	4.67	4.68
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



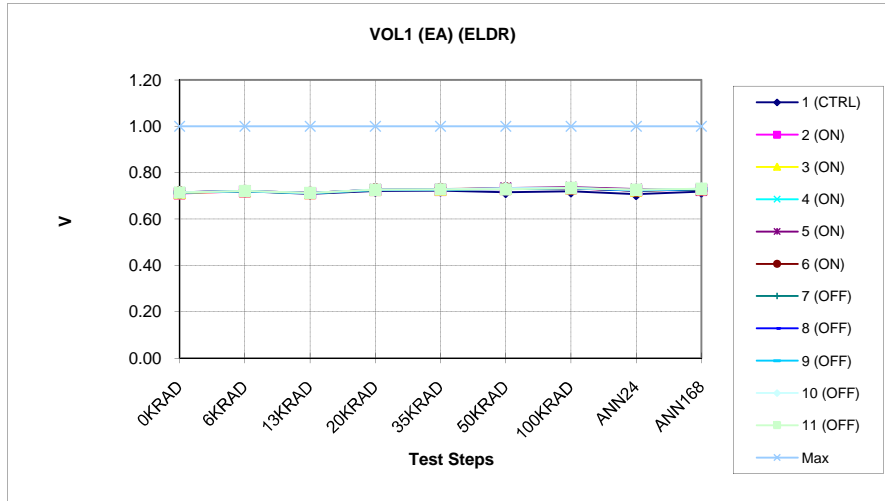
VOH1 (EA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.65	4.67

<b>Bias on results</b>									
2 (ON)	4.70	4.70	4.69	4.69	4.69	4.69	4.69	4.68	4.69
3 (ON)	4.68	4.68	4.67	4.67	4.67	4.67	4.67	4.66	4.67
4 (ON)	4.68	4.68	4.68	4.68	4.68	4.67	4.67	4.66	4.67
5 (ON)	4.67	4.67	4.67	4.66	4.67	4.66	4.67	4.65	4.66
6 (ON)	4.68	4.68	4.68	4.68	4.68	4.68	4.67	4.66	4.68
<b>Statistics bias on</b>									
min result	4.67	4.67	4.67	4.66	4.67	4.66	4.67	4.65	4.66
max result	4.70	4.70	4.69	4.69	4.69	4.69	4.69	4.68	4.69
average	4.68	4.68	4.68	4.68	4.68	4.67	4.67	4.66	4.68
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

<b>Bias off results</b>									
7 (OFF)	4.68	4.68	4.68	4.68	4.68	4.68	4.67	4.66	4.68
8 (OFF)	4.71	4.71	4.71	4.71	4.71	4.71	4.70	4.69	4.71
9 (OFF)	4.69	4.69	4.69	4.69	4.69	4.68	4.68	4.67	4.68
10 (OFF)	4.69	4.68	4.68	4.68	4.68	4.68	4.68	4.67	4.68
11 (OFF)	4.68	4.68	4.68	4.67	4.67	4.67	4.67	4.66	4.67
<b>Statistics bias off</b>									
min result	4.68	4.68	4.68	4.67	4.67	4.67	4.67	4.66	4.67
max result	4.71	4.71	4.71	4.71	4.71	4.71	4.70	4.69	4.71
average	4.69	4.69	4.69	4.69	4.69	4.68	4.68	4.67	4.68
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



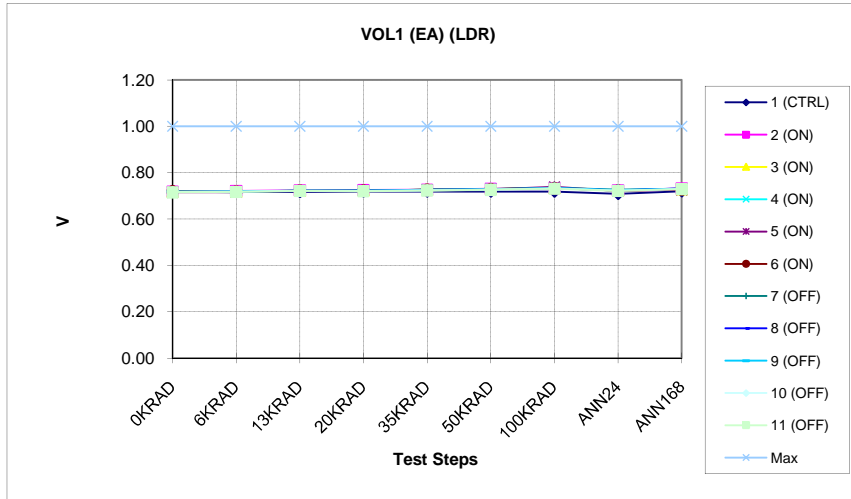
VOH1 (EA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	4.68	4.68	4.67	4.68	4.68	4.68	4.68	4.67	4.68
ELDR OFF	4.69	4.69	4.68	4.69	4.69	4.69	4.68	4.67	4.68
LDR ON	4.68	4.68	4.68	4.68	4.68	4.68	4.67	4.66	4.68
LDR OFF	4.69	4.69	4.69	4.69	4.69	4.69	4.68	4.67	4.68



VOL1 (EA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	--	--	--	--	--	--	--	--	--
<b>Max</b>	1	1	1	1	1	1	1	1	1
<b>Unit</b>	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	0.72	0.72	0.71	0.72	0.72	0.72	0.72	0.71	0.72

<b>Bias on results</b>									
2 (ON)	0.71	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
3 (ON)	0.71	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
4 (ON)	0.71	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
5 (ON)	0.71	0.72	0.71	0.73	0.73	0.73	0.74	0.73	0.73
6 (ON)	0.72	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
<b>Statistics bias on</b>									
min result	0.71	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
max result	0.72	0.72	0.71	0.73	0.73	0.73	0.74	0.73	0.73
average	0.71	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

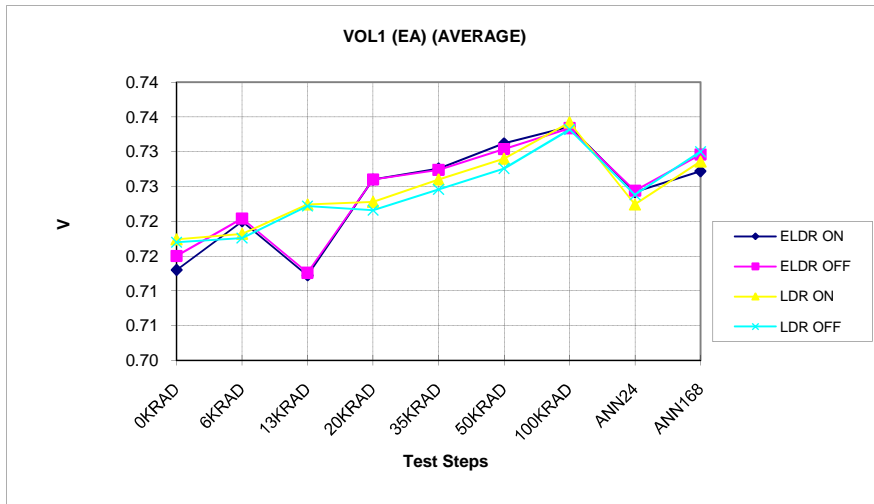
<b>Bias off results</b>									
7 (OFF)	0.72	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
8 (OFF)	0.72	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
9 (OFF)	0.71	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
10 (OFF)	0.72	0.72	0.71	0.73	0.73	0.73	0.73	0.73	0.73
11 (OFF)	0.71	0.72	0.71	0.73	0.73	0.73	0.73	0.73	0.73
<b>Statistics bias off</b>									
min result	0.71	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
max result	0.72	0.72	0.71	0.73	0.73	0.73	0.73	0.73	0.73
average	0.72	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



VOL1 (EA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
<b>Min</b>	--	--	--	--	--	--	--	--	--
<b>Max</b>	1	1	1	1	1	1	1	1	1
<b>Unit</b>	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.71	0.72

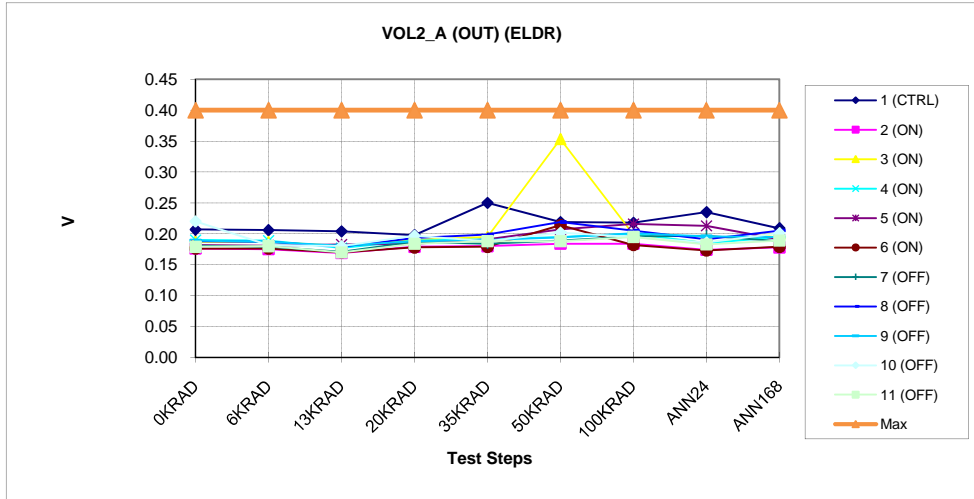
<b>Bias on results</b>									
2 (ON)	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.72	0.73
3 (ON)	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.72	0.73
4 (ON)	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.72	0.73
5 (ON)	0.72	0.72	0.72	0.72	0.73	0.73	0.74	0.72	0.73
6 (ON)	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.72	0.73
<b>Statistics bias on</b>									
min result	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.72	0.73
max result	0.72	0.72	0.72	0.73	0.73	0.73	0.74	0.72	0.73
average	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.72	0.73
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

<b>Bias off results</b>									
7 (OFF)	0.72	0.72	0.72	0.72	0.73	0.73	0.74	0.73	0.73
8 (OFF)	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.72	0.73
9 (OFF)	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.73
10 (OFF)	0.72	0.72	0.72	0.72	0.72	0.73	0.73	0.72	0.73
11 (OFF)	0.72	0.72	0.72	0.72	0.72	0.73	0.73	0.72	0.73
<b>Statistics bias off</b>									
min result	0.72	0.72	0.72	0.72	0.72	0.73	0.73	0.72	0.73
max result	0.72	0.72	0.72	0.72	0.73	0.73	0.74	0.73	0.73
average	0.72	0.72	0.72	0.72	0.72	0.73	0.73	0.72	0.73
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



VOL1 (EA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.71	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
ELDR OFF	0.72	0.72	0.71	0.73	0.73	0.73	0.73	0.72	0.73
LDR ON	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.72	0.73
LDR OFF	0.72	0.72	0.72	0.72	0.72	0.73	0.73	0.72	0.73





VOL2_A (OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	0.21	0.21	0.20	0.20	0.25	0.22	0.22	0.24	0.21

<b>Bias on results</b>									
2 (ON)	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.17	0.18
3 (ON)	0.19	0.19	0.18	0.19	0.20	0.35	0.20	0.19	0.20
4 (ON)	0.19	0.19	0.18	0.19	0.19	0.20	0.20	0.19	0.20
5 (ON)	0.18	0.18	0.18	0.18	0.19	0.21	0.22	0.21	0.19
6 (ON)	0.18	0.18	0.17	0.18	0.18	0.21	0.18	0.17	0.18
<b>Statistics bias on</b>									
min result	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.17	0.18
max result	0.19	0.19	0.18	0.19	0.20	0.35	0.22	0.21	0.20
average	0.18	0.18	0.18	0.18	0.19	0.23	0.20	0.19	0.19
sigma	0.01	0.01	0.01	0.01	0.01	0.07	0.01	0.02	0.01

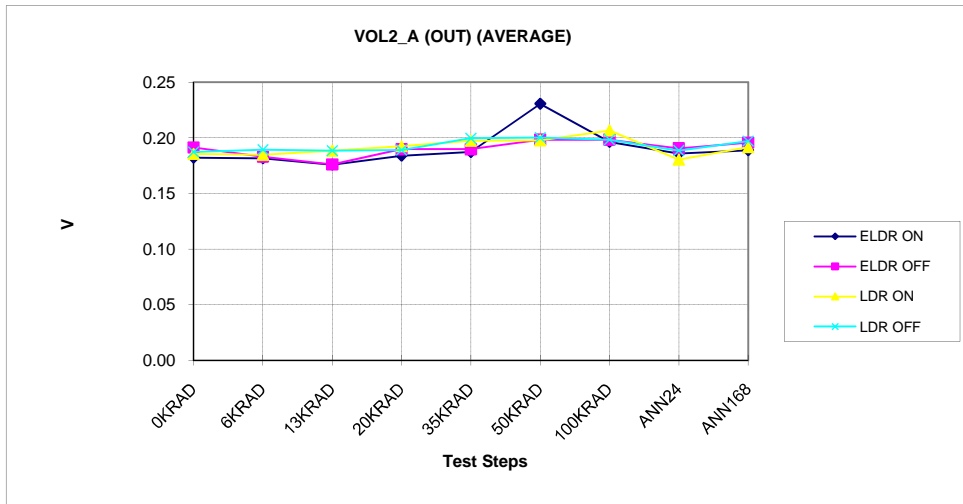
<b>Bias off results</b>									
7 (OFF)	0.18	0.18	0.17	0.19	0.18	0.19	0.20	0.20	0.19
8 (OFF)	0.19	0.19	0.18	0.19	0.20	0.22	0.21	0.19	0.21
9 (OFF)	0.19	0.19	0.18	0.19	0.19	0.19	0.20	0.20	0.20
10 (OFF)	0.22	0.18	0.18	0.20	0.19	0.20	0.20	0.19	0.20
11 (OFF)	0.18	0.18	0.17	0.18	0.19	0.19	0.20	0.18	0.19
<b>Statistics bias off</b>									
min result	0.18	0.18	0.17	0.18	0.18	0.19	0.20	0.18	0.19
max result	0.22	0.19	0.18	0.20	0.20	0.22	0.21	0.20	0.21
average	0.19	0.18	0.18	0.19	0.19	0.20	0.20	0.19	0.20
sigma	0.02	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.01



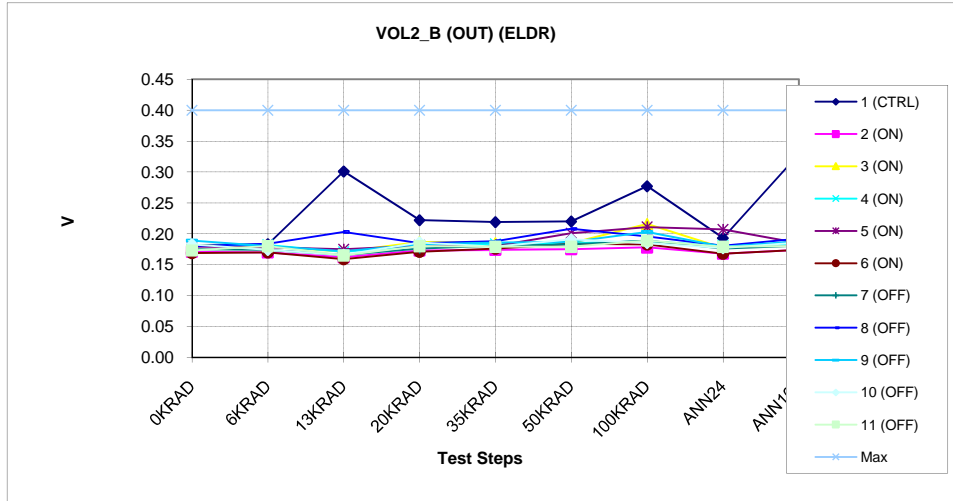
VOL2_A (OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	0.19	0.20	0.19	0.19	0.20	0.21	0.22	0.19	0.19

<b>Bias on results</b>									
2 (ON)	0.18	0.20	0.19	0.19	0.19	0.19	0.19	0.18	0.21
3 (ON)	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.19	0.19
4 (ON)	0.19	0.19	0.19	0.19	0.22	0.19	0.20	0.19	0.20
5 (ON)	0.18	0.18	0.20	0.18	0.20	0.20	0.25	0.17	0.18
6 (ON)	0.19	0.18	0.18	0.21	0.19	0.22	0.19	0.17	0.18
<b>Statistics bias on</b>									
min result	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.17	0.18
max result	0.19	0.20	0.20	0.21	0.22	0.22	0.25	0.19	0.21
average	0.19	0.18	0.19	0.19	0.20	0.20	0.21	0.18	0.19
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.01	0.01

<b>Bias off results</b>									
7 (OFF)	0.18	0.18	0.19	0.18	0.19	0.21	0.19	0.18	0.19
8 (OFF)	0.18	0.18	0.18	0.19	0.19	0.19	0.20	0.18	0.20
9 (OFF)	0.19	0.21	0.19	0.19	0.20	0.19	0.20	0.19	0.20
10 (OFF)	0.20	0.19	0.19	0.19	0.20	0.22	0.20	0.20	0.20
11 (OFF)	0.19	0.19	0.19	0.19	0.24	0.20	0.20	0.19	0.20
<b>Statistics bias off</b>									
min result	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.18	0.19
max result	0.20	0.21	0.19	0.19	0.24	0.22	0.20	0.20	0.20
average	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.19	0.20
sigma	0.01	0.01	0.00	0.00	0.02	0.01	0.01	0.01	0.01



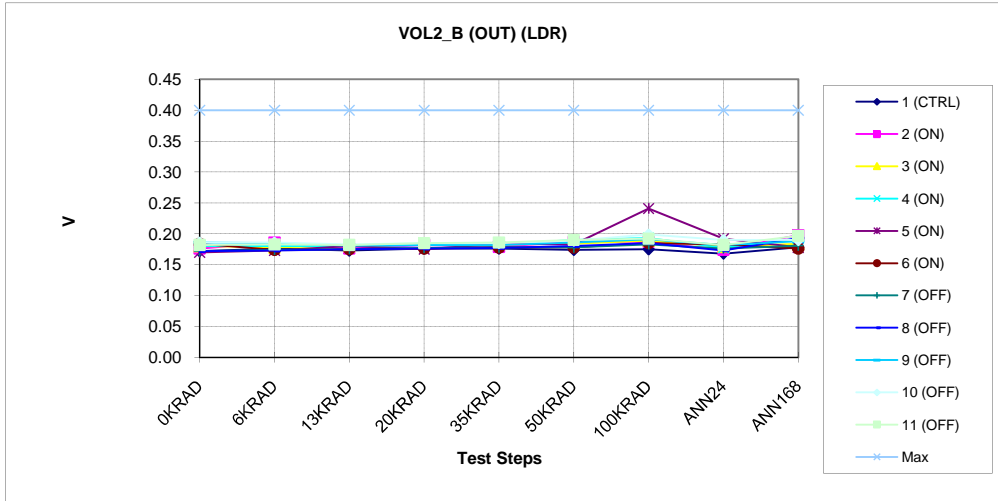
VOL2_A (OUT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.18	0.18	0.18	0.18	0.19	0.23	0.20	0.19	0.19
ELDR OFF	0.19	0.18	0.18	0.19	0.19	0.20	0.20	0.19	0.20
LDR ON	0.19	0.18	0.19	0.19	0.20	0.20	0.21	0.18	0.19
LDR OFF	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.19	0.20



VOL2_B (OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	0.18	0.18	0.30	0.22	0.22	0.22	0.28	0.19	0.33

<b>Bias on results</b>									
2 (ON)	0.17	0.17	0.16	0.17	0.17	0.18	0.18	0.17	0.17
3 (ON)	0.18	0.18	0.17	0.19	0.19	0.19	0.22	0.18	0.19
4 (ON)	0.18	0.18	0.17	0.18	0.18	0.19	0.19	0.18	0.18
5 (ON)	0.18	0.18	0.18	0.18	0.18	0.20	0.21	0.21	0.19
6 (ON)	0.17	0.17	0.16	0.17	0.18	0.18	0.18	0.17	0.17
<b>Statistics bias on</b>									
min result	0.17	0.17	0.16	0.17	0.17	0.18	0.18	0.17	0.17
max result	0.18	0.18	0.18	0.19	0.19	0.20	0.22	0.21	0.19
average	0.18	0.18	0.17	0.18	0.18	0.19	0.20	0.18	0.18
sigma	0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.02	0.01

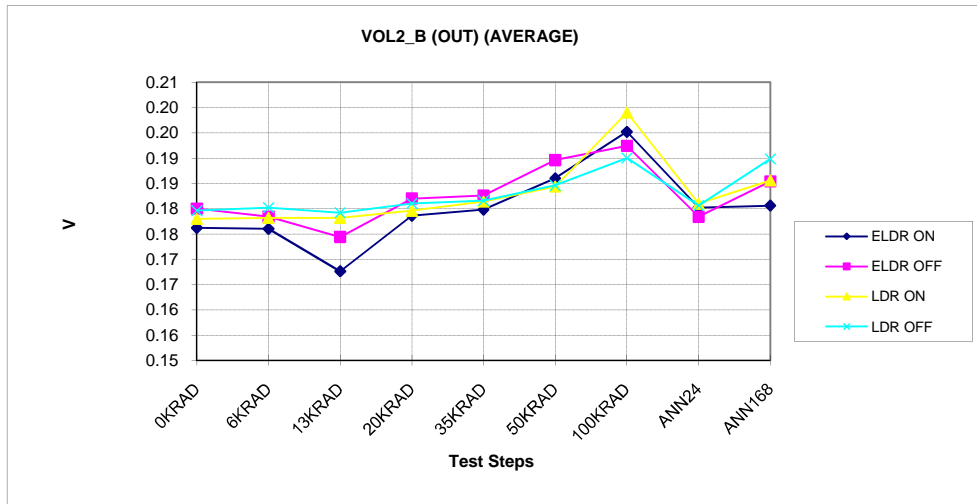
<b>Bias off results</b>									
7 (OFF)	0.18	0.17	0.17	0.18	0.18	0.18	0.19	0.18	0.18
8 (OFF)	0.18	0.18	0.20	0.19	0.19	0.21	0.20	0.18	0.19
9 (OFF)	0.19	0.18	0.17	0.18	0.19	0.19	0.20	0.18	0.19
10 (OFF)	0.18	0.17	0.17	0.19	0.18	0.19	0.19	0.18	0.19
11 (OFF)	0.17	0.18	0.17	0.18	0.18	0.18	0.19	0.18	0.18
<b>Statistics bias off</b>									
min result	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.18	0.18
max result	0.19	0.18	0.20	0.19	0.19	0.21	0.20	0.18	0.19
average	0.18	0.18	0.17	0.18	0.18	0.19	0.19	0.18	0.19
sigma	0.01	0.00	0.02	0.00	0.00	0.01	0.01	0.00	0.00



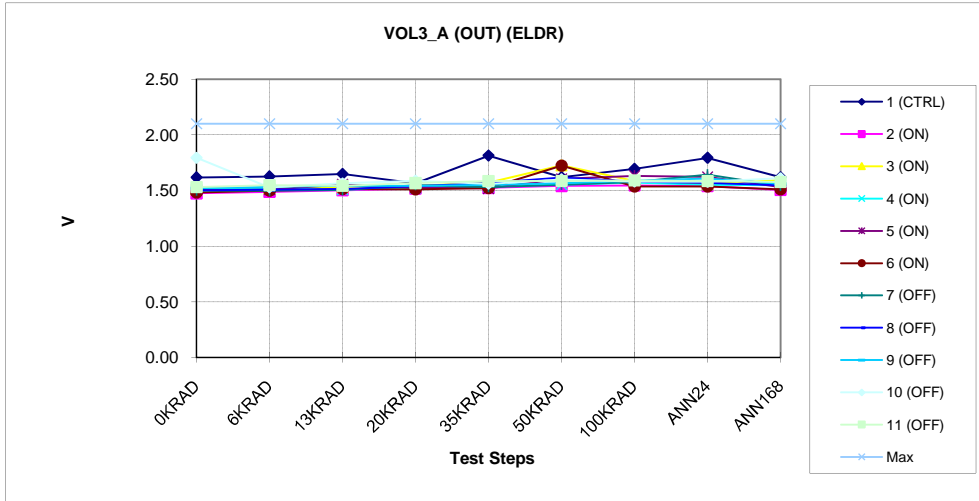
VOL2_B (OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	0.17	0.18	0.17	0.18	0.18	0.17	0.18	0.17	0.18

<b>Bias on results</b>									
2 (ON)	0.18	0.19	0.18	0.18	0.18	0.19	0.19	0.17	0.20
3 (ON)	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.18	0.18
4 (ON)	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.18	0.19
5 (ON)	0.17	0.17	0.18	0.18	0.18	0.18	0.24	0.19	0.18
6 (ON)	0.18	0.17	0.18	0.18	0.18	0.18	0.19	0.18	0.18
<b>Statistics bias on</b>									
min result	0.17	0.17	0.18	0.18	0.18	0.18	0.19	0.17	0.18
max result	0.18	0.19	0.18	0.18	0.18	0.19	0.24	0.19	0.20
average	0.18	0.18	0.18	0.18	0.18	0.18	0.20	0.18	0.19
sigma	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.01

<b>Bias off results</b>									
7 (OFF)	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18
8 (OFF)	0.17	0.17	0.18	0.18	0.18	0.18	0.19	0.17	0.19
9 (OFF)	0.19	0.19	0.18	0.18	0.18	0.19	0.19	0.18	0.19
10 (OFF)	0.19	0.19	0.18	0.19	0.19	0.19	0.20	0.19	0.19
11 (OFF)	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.18	0.20
<b>Statistics bias off</b>									
min result	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.17	0.18
max result	0.19	0.19	0.18	0.19	0.19	0.19	0.20	0.19	0.20
average	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.18	0.19
sigma	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01



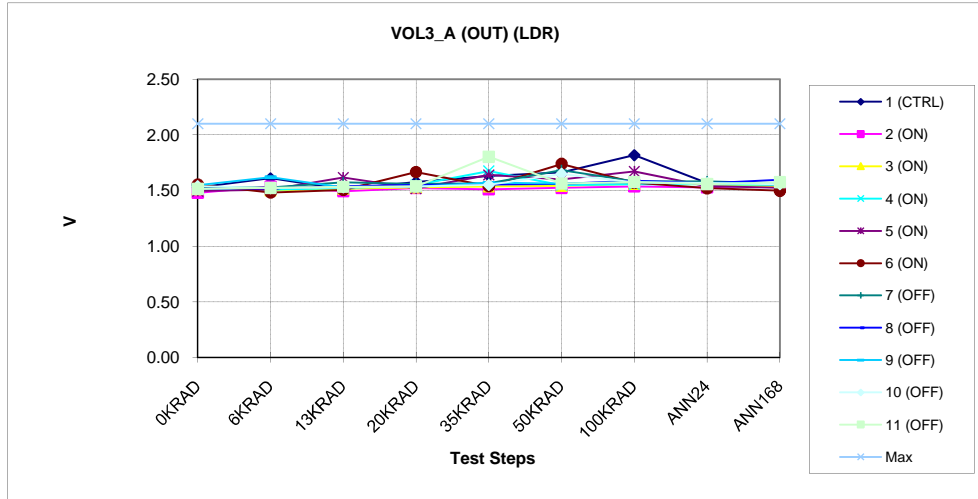
VOL2_B (OUT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.18	0.18	0.17	0.18	0.18	0.19	0.20	0.18	0.18
ELDR OFF	0.18	0.18	0.17	0.18	0.18	0.19	0.19	0.18	0.19
LDR ON	0.18	0.18	0.18	0.18	0.18	0.18	0.20	0.18	0.19
LDR OFF	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.18	0.19



VOL3_A (OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	1.62	1.63	1.65	1.57	1.81	1.62	1.69	1.79	1.62

<b>Bias on results</b>									
2 (ON)	1.48	1.49	1.50	1.52	1.52	1.54	1.55	1.54	1.51
3 (ON)	1.51	1.52	1.53	1.54	1.57	1.73	1.59	1.56	1.59
4 (ON)	1.51	1.52	1.51	1.52	1.54	1.55	1.57	1.55	1.55
5 (ON)	1.51	1.51	1.56	1.53	1.52	1.61	1.63	1.62	1.53
6 (ON)	1.48	1.50	1.51	1.51	1.52	1.72	1.54	1.54	1.51
<b>Statistics bias on</b>									
min result	1.48	1.49	1.50	1.51	1.52	1.54	1.54	1.54	1.51
max result	1.51	1.52	1.56	1.54	1.57	1.73	1.63	1.62	1.59
average	1.50	1.51	1.52	1.52	1.53	1.63	1.57	1.56	1.54
sigma	0.02	0.01	0.02	0.01	0.02	0.09	0.04	0.04	0.04

<b>Bias off results</b>									
7 (OFF)	1.50	1.50	1.50	1.55	1.53	1.55	1.58	1.64	1.54
8 (OFF)	1.50	1.51	1.51	1.54	1.57	1.62	1.58	1.57	1.55
9 (OFF)	1.52	1.53	1.54	1.54	1.55	1.56	1.59	1.61	1.56
10 (OFF)	1.80	1.53	1.56	1.59	1.56	1.60	1.58	1.58	1.61
11 (OFF)	1.53	1.55	1.54	1.57	1.59	1.59	1.59	1.59	1.58
<b>Statistics bias off</b>									
min result	1.50	1.50	1.50	1.54	1.53	1.55	1.58	1.57	1.54
max result	1.80	1.55	1.56	1.59	1.59	1.62	1.59	1.64	1.61
average	1.57	1.52	1.53	1.56	1.56	1.58	1.58	1.60	1.57
sigma	0.13	0.02	0.02	0.02	0.02	0.03	0.01	0.03	0.03

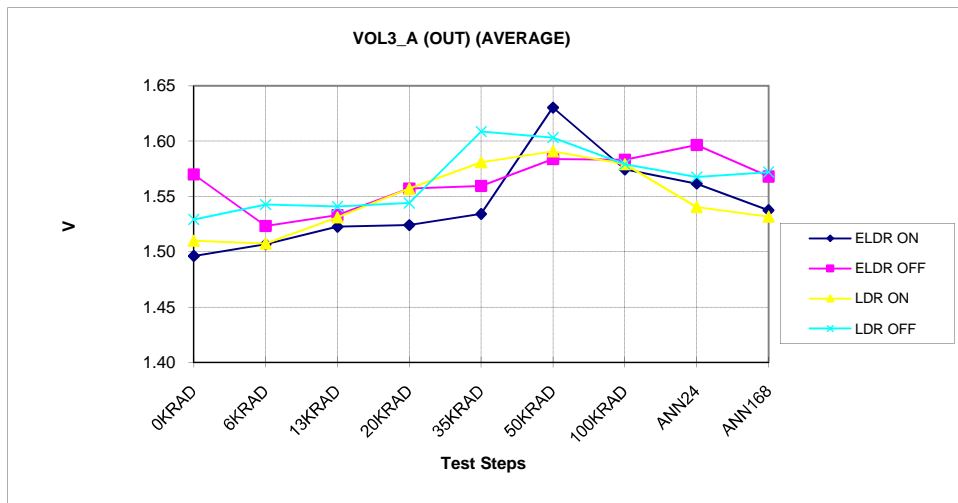


VOL3_A (OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	1.53	1.61	1.51	1.58	1.63	1.66	1.82	1.57	1.56

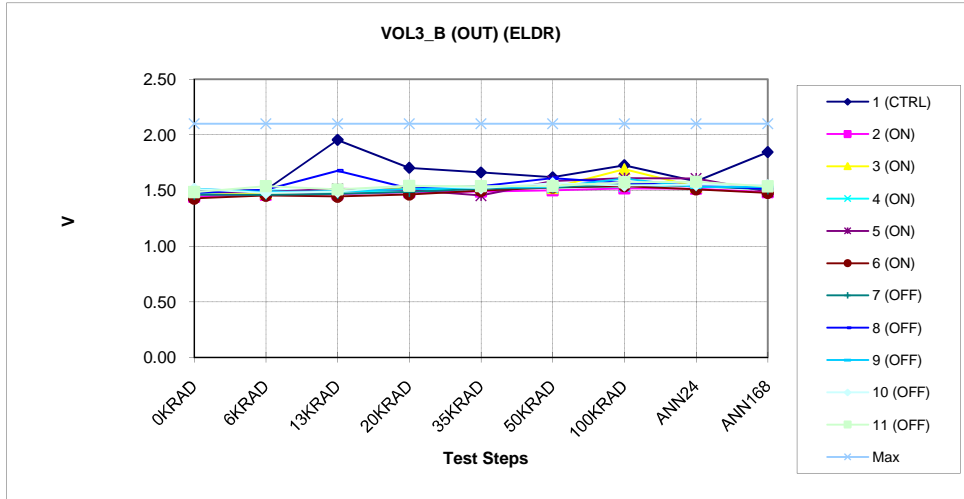
<b>Bias on results</b>									
2 (ON)	1.48	1.54	1.49	1.52	1.51	1.52	1.54	1.53	1.55
3 (ON)	1.51	1.50	1.52	1.53	1.54	1.54	1.56	1.56	1.53
4 (ON)	1.51	1.51	1.52	1.55	1.68	1.55	1.56	1.56	1.55
5 (ON)	1.50	1.51	1.62	1.52	1.64	1.60	1.67	1.54	1.53
6 (ON)	1.55	1.48	1.51	1.67	1.54	1.74	1.57	1.52	1.50
<b>Statistics bias on</b>									
min result	1.48	1.48	1.49	1.52	1.51	1.52	1.54	1.52	1.50
max result	1.55	1.54	1.62	1.67	1.68	1.74	1.67	1.56	1.55
average	1.51	1.51	1.53	1.56	1.58	1.59	1.58	1.54	1.53
sigma	0.03	0.02	0.05	0.06	0.07	0.09	0.05	0.02	0.02

<b>Bias off results</b>									
7 (OFF)	1.53	1.53	1.57	1.56	1.57	1.68	1.58	1.58	1.56
8 (OFF)	1.52	1.52	1.54	1.55	1.55	1.56	1.59	1.57	1.60
9 (OFF)	1.55	1.62	1.53	1.54	1.57	1.56	1.57	1.57	1.57
10 (OFF)	1.54	1.52	1.53	1.54	1.55	1.65	1.57	1.57	1.56
11 (OFF)	1.52	1.52	1.53	1.54	1.80	1.56	1.58	1.56	1.58
<b>Statistics bias off</b>									
min result	1.52	1.52	1.53	1.54	1.55	1.56	1.57	1.56	1.56
max result	1.55	1.62	1.57	1.56	1.80	1.68	1.59	1.58	1.60
average	1.53	1.54	1.54	1.54	1.61	1.60	1.58	1.57	1.57
sigma	0.01	0.04	0.02	0.01	0.11	0.06	0.01	0.01	0.01





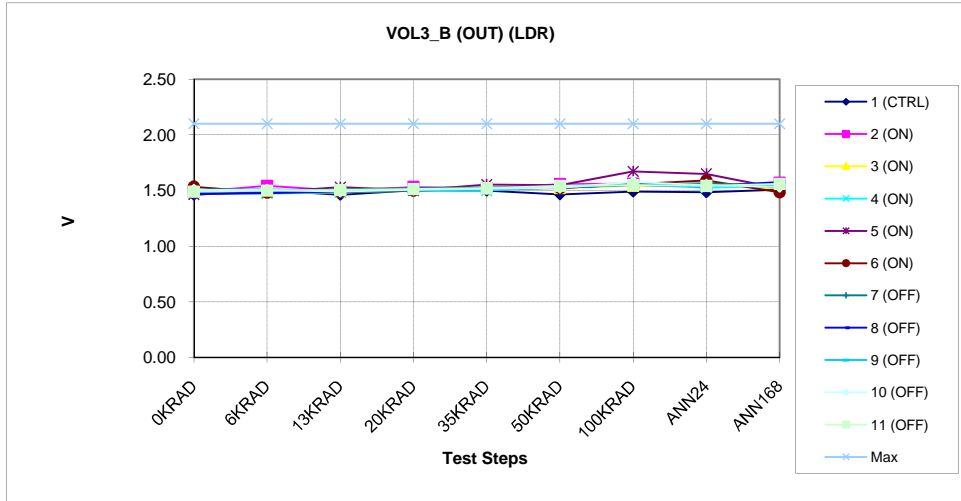
VOL3_A (OUT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.50	1.51	1.52	1.52	1.53	1.63	1.57	1.56	1.54
ELDR OFF	1.57	1.52	1.53	1.56	1.56	1.58	1.58	1.60	1.57
LDR ON	1.51	1.51	1.53	1.56	1.58	1.59	1.58	1.54	1.53
LDR OFF	1.53	1.54	1.54	1.54	1.61	1.60	1.58	1.57	1.57



VOL3_B (OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	1.49	1.50	1.96	1.70	1.66	1.62	1.73	1.58	1.85

<b>Bias on results</b>									
2 (ON)	1.45	1.46	1.47	1.48	1.49	1.50	1.52	1.52	1.48
3 (ON)	1.48	1.48	1.49	1.53	1.52	1.53	1.69	1.54	1.53
4 (ON)	1.48	1.50	1.49	1.50	1.52	1.53	1.54	1.55	1.51
5 (ON)	1.48	1.49	1.52	1.51	1.46	1.59	1.61	1.61	1.49
6 (ON)	1.43	1.46	1.45	1.47	1.50	1.53	1.54	1.51	1.48
<b>Statistics bias on</b>									
min result	1.43	1.46	1.45	1.47	1.46	1.50	1.52	1.51	1.48
max result	1.48	1.50	1.52	1.53	1.52	1.59	1.69	1.61	1.53
average	1.46	1.48	1.48	1.50	1.50	1.53	1.58	1.55	1.50
sigma	0.02	0.02	0.03	0.02	0.03	0.03	0.07	0.04	0.02

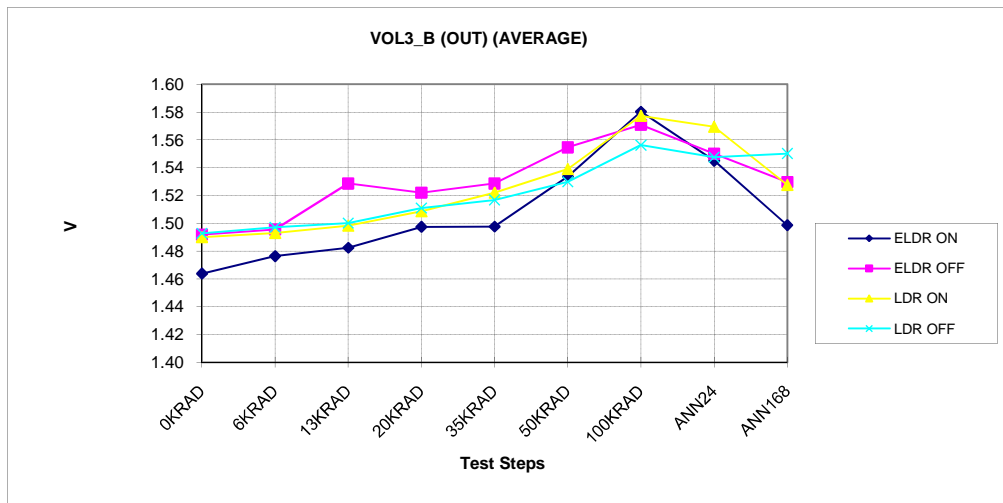
<b>Bias off results</b>									
7 (OFF)	1.46	1.46	1.47	1.49	1.52	1.53	1.56	1.54	1.51
8 (OFF)	1.48	1.51	1.68	1.52	1.54	1.61	1.57	1.55	1.52
9 (OFF)	1.52	1.49	1.49	1.51	1.53	1.53	1.61	1.53	1.54
10 (OFF)	1.51	1.48	1.49	1.55	1.52	1.57	1.55	1.55	1.55
11 (OFF)	1.49	1.54	1.51	1.54	1.54	1.54	1.58	1.58	1.54
<b>Statistics bias off</b>									
min result	1.46	1.46	1.47	1.49	1.52	1.53	1.55	1.53	1.51
max result	1.52	1.54	1.68	1.55	1.54	1.61	1.61	1.58	1.55
average	1.49	1.50	1.53	1.52	1.53	1.55	1.57	1.55	1.53
sigma	0.02	0.03	0.09	0.02	0.01	0.03	0.02	0.02	0.02



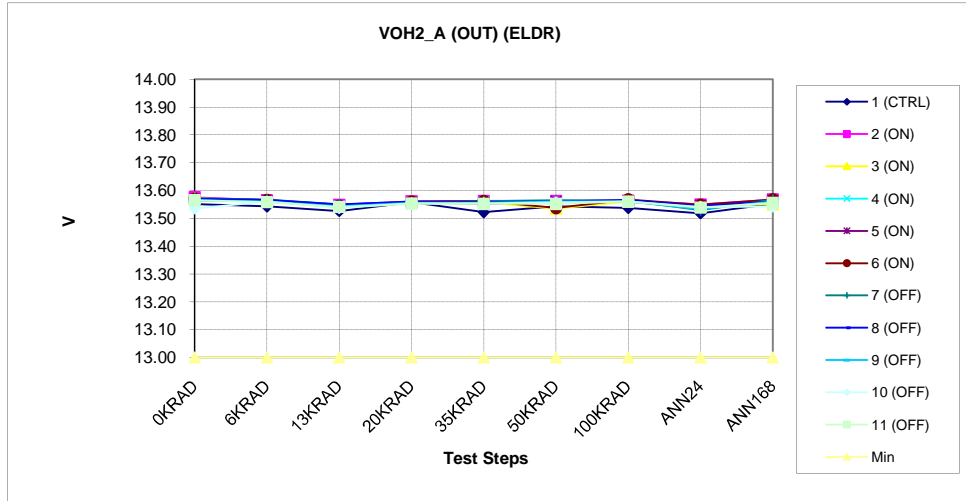
VOL3_B (OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	0	0	0	0	0	0	0	0	0
Max	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	1.46	1.50	1.46	1.50	1.50	1.47	1.49	1.48	1.51

<b>Bias on results</b>									
2 (ON)	1.49	1.54	1.50	1.53	1.52	1.56	1.56	1.54	1.57
3 (ON)	1.49	1.48	1.49	1.51	1.52	1.52	1.54	1.54	1.52
4 (ON)	1.47	1.47	1.48	1.50	1.50	1.54	1.55	1.53	1.55
5 (ON)	1.47	1.49	1.53	1.50	1.55	1.55	1.67	1.65	1.52
6 (ON)	1.54	1.48	1.49	1.50	1.52	1.52	1.56	1.59	1.48
<b>Statistics bias on</b>									
min result	1.47	1.47	1.48	1.50	1.50	1.52	1.54	1.53	1.48
max result	1.54	1.54	1.53	1.53	1.55	1.56	1.67	1.65	1.57
average	1.49	1.49	1.50	1.51	1.52	1.54	1.58	1.57	1.53
sigma	0.03	0.03	0.02	0.01	0.02	0.02	0.05	0.05	0.03

<b>Bias off results</b>									
7 (OFF)	1.49	1.50	1.51	1.52	1.53	1.53	1.56	1.57	1.54
8 (OFF)	1.47	1.48	1.50	1.51	1.51	1.53	1.55	1.54	1.58
9 (OFF)	1.51	1.51	1.50	1.50	1.51	1.53	1.55	1.54	1.54
10 (OFF)	1.51	1.51	1.49	1.51	1.52	1.52	1.58	1.55	1.54
11 (OFF)	1.49	1.50	1.51	1.51	1.52	1.54	1.55	1.54	1.56
<b>Statistics bias off</b>									
min result	1.47	1.48	1.49	1.50	1.51	1.52	1.55	1.54	1.54
max result	1.51	1.51	1.51	1.52	1.53	1.54	1.58	1.57	1.58
average	1.49	1.50	1.50	1.51	1.52	1.53	1.56	1.55	1.55
sigma	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02



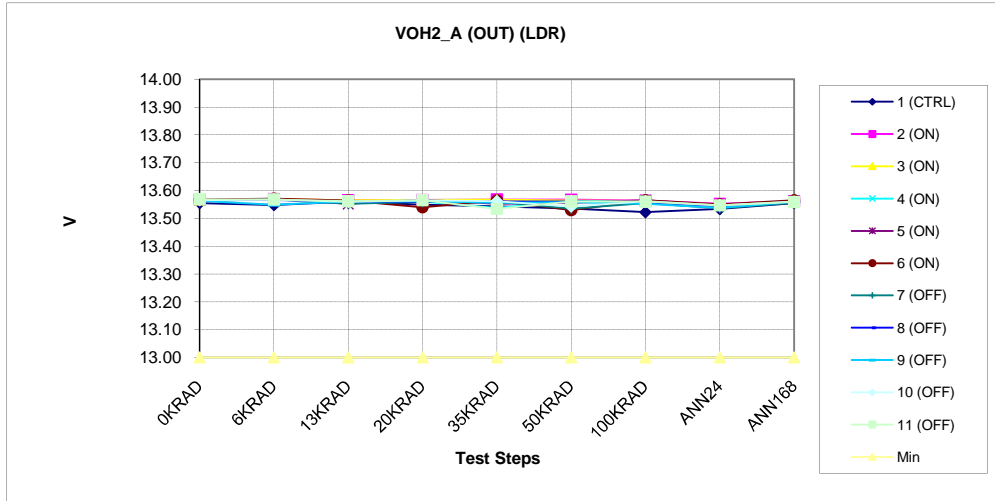
VOL3_B (OUT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.46	1.48	1.48	1.50	1.50	1.53	1.58	1.55	1.50
ELDR OFF	1.49	1.50	1.53	1.52	1.53	1.55	1.57	1.55	1.53
LDR ON	1.49	1.49	1.50	1.51	1.52	1.54	1.58	1.57	1.53
LDR OFF	1.49	1.50	1.50	1.51	1.52	1.53	1.56	1.55	1.55



VOH2_A (OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	13	13	13	13	13	13	13	13	13
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	13.55	13.54	13.53	13.56	13.52	13.54	13.54	13.52	13.55

Bias on results									
2 (ON)	13.58	13.57	13.55	13.56	13.56	13.56	13.56	13.55	13.57
3 (ON)	13.57	13.56	13.55	13.56	13.56	13.54	13.56	13.55	13.55
4 (ON)	13.57	13.56	13.55	13.56	13.56	13.56	13.56	13.55	13.56
5 (ON)	13.57	13.56	13.54	13.56	13.55	13.56	13.56	13.55	13.57
6 (ON)	13.57	13.57	13.55	13.56	13.56	13.54	13.57	13.55	13.57
Statistics bias on									
min result	13.57	13.56	13.54	13.56	13.55	13.54	13.56	13.55	13.55
max result	13.58	13.57	13.55	13.56	13.56	13.56	13.57	13.55	13.57
average	13.57	13.56	13.55	13.56	13.56	13.55	13.56	13.55	13.56
sigma	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01

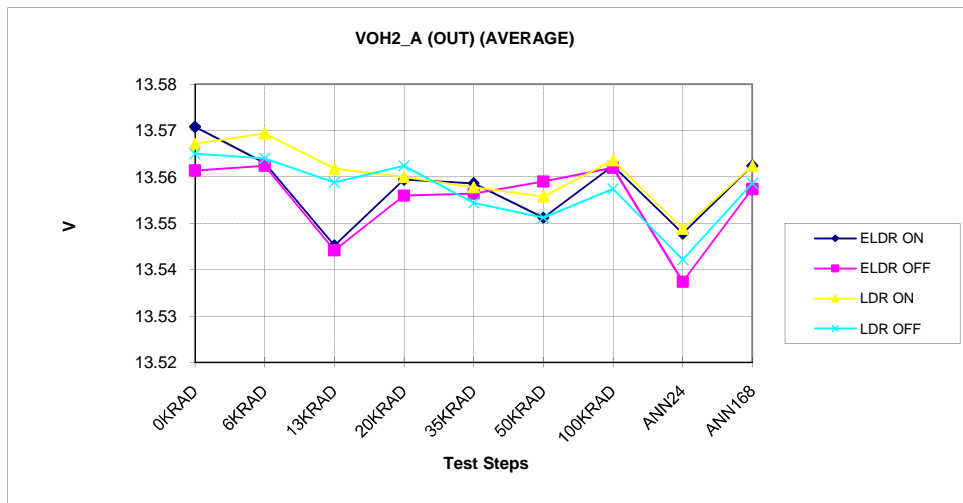
Bias off results									
7 (OFF)	13.57	13.57	13.55	13.56	13.56	13.57	13.56	13.53	13.57
8 (OFF)	13.57	13.57	13.55	13.56	13.56	13.56	13.57	13.55	13.56
9 (OFF)	13.57	13.56	13.54	13.56	13.56	13.56	13.56	13.53	13.56
10 (OFF)	13.54	13.56	13.54	13.55	13.55	13.56	13.56	13.54	13.54
11 (OFF)	13.57	13.56	13.54	13.55	13.55	13.55	13.56	13.54	13.56
Statistics bias off									
min result	13.54	13.56	13.54	13.55	13.55	13.55	13.56	13.53	13.54
max result	13.57	13.57	13.55	13.56	13.56	13.57	13.57	13.55	13.57
average	13.56	13.56	13.54	13.56	13.56	13.56	13.56	13.54	13.56
sigma	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01



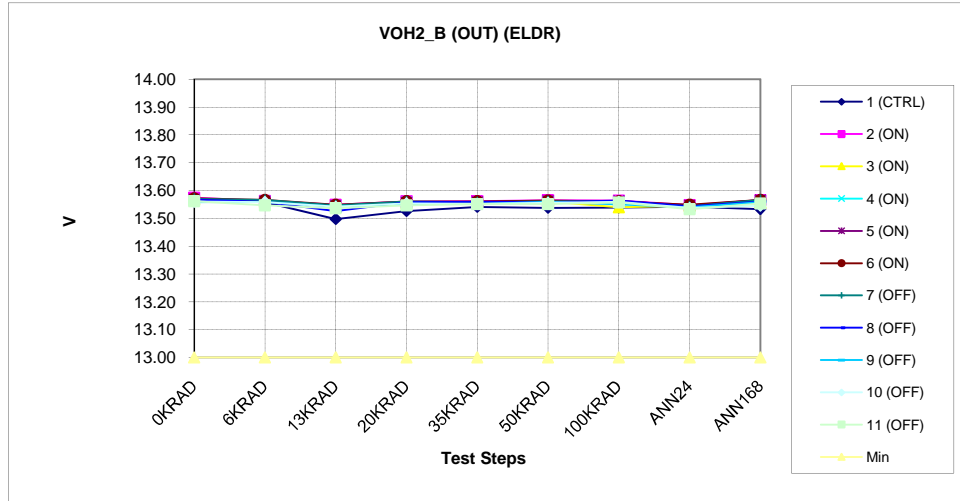
VOH2_A (OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	13	13	13	13	13	13	13	13	13
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	13.56	13.55	13.56	13.55	13.54	13.54	13.52	13.53	13.56

<b>Bias on results</b>									
2 (ON)	13.57	13.57	13.57	13.57	13.57	13.57	13.56	13.55	13.56
3 (ON)	13.57	13.57	13.57	13.57	13.57	13.56	13.56	13.55	13.56
4 (ON)	13.57	13.57	13.56	13.56	13.54	13.56	13.56	13.55	13.56
5 (ON)	13.57	13.57	13.55	13.57	13.55	13.56	13.57	13.55	13.56
6 (ON)	13.57	13.57	13.56	13.54	13.56	13.53	13.57	13.55	13.57
<b>Statistics bias on</b>									
min result	13.57	13.57	13.55	13.54	13.54	13.53	13.56	13.55	13.56
max result	13.57	13.57	13.57	13.57	13.57	13.57	13.57	13.55	13.57
average	13.57	13.57	13.56	13.56	13.56	13.56	13.56	13.55	13.56
sigma	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00

<b>Bias off results</b>									
7 (OFF)	13.56	13.57	13.55	13.56	13.56	13.54	13.56	13.54	13.56
8 (OFF)	13.57	13.57	13.56	13.56	13.56	13.56	13.56	13.54	13.56
9 (OFF)	13.56	13.55	13.56	13.56	13.56	13.56	13.55	13.54	13.56
10 (OFF)	13.57	13.57	13.56	13.57	13.56	13.54	13.56	13.55	13.56
11 (OFF)	13.57	13.57	13.56	13.57	13.53	13.56	13.56	13.55	13.56
<b>Statistics bias off</b>									
min result	13.56	13.55	13.55	13.56	13.53	13.54	13.55	13.54	13.56
max result	13.57	13.57	13.56	13.57	13.56	13.56	13.56	13.55	13.56
average	13.57	13.56	13.56	13.56	13.55	13.55	13.56	13.54	13.56
sigma	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.01	0.00



VOH2_A (OUT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	13.57	13.56	13.55	13.56	13.56	13.55	13.56	13.55	13.56
ELDR OFF	13.56	13.56	13.54	13.56	13.56	13.56	13.56	13.54	13.56
LDR ON	13.57	13.57	13.56	13.56	13.56	13.56	13.56	13.55	13.56
LDR OFF	13.57	13.56	13.56	13.56	13.55	13.55	13.56	13.54	13.56

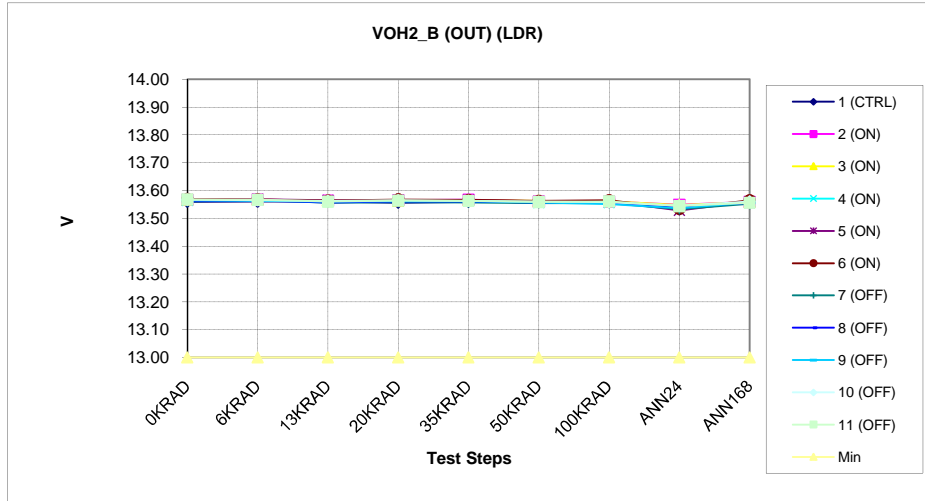


VOH2_B (OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	13	13	13	13	13	13	13	13	13
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	13.57	13.56	13.50	13.53	13.54	13.54	13.54	13.54	13.53

<b>Bias on results</b>									
2 (ON)	13.57	13.56	13.55	13.56	13.56	13.57	13.56	13.55	13.57
3 (ON)	13.57	13.56	13.55	13.55	13.56	13.56	13.54	13.55	13.56
4 (ON)	13.57	13.56	13.55	13.56	13.56	13.56	13.56	13.54	13.56
5 (ON)	13.57	13.56	13.55	13.56	13.56	13.56	13.56	13.55	13.57
6 (ON)	13.57	13.57	13.55	13.56	13.56	13.56	13.56	13.55	13.57
<b>Statistics bias on</b>									
min result	13.57	13.56	13.55	13.55	13.56	13.56	13.54	13.54	13.56
max result	13.57	13.57	13.55	13.56	13.56	13.57	13.56	13.55	13.57
average	13.57	13.56	13.55	13.56	13.56	13.56	13.56	13.55	13.56
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

<b>Bias off results</b>									
7 (OFF)	13.57	13.57	13.55	13.56	13.56	13.56	13.56	13.54	13.57
8 (OFF)	13.57	13.56	13.53	13.56	13.56	13.56	13.56	13.54	13.56
9 (OFF)	13.56	13.56	13.54	13.55	13.55	13.56	13.55	13.54	13.56
10 (OFF)	13.56	13.56	13.54	13.55	13.55	13.56	13.56	13.54	13.55
11 (OFF)	13.56	13.55	13.54	13.55	13.55	13.55	13.56	13.53	13.55
<b>Statistics bias off</b>									
min result	13.56	13.55	13.53	13.55	13.55	13.55	13.55	13.53	13.55
max result	13.57	13.57	13.55	13.56	13.56	13.56	13.56	13.54	13.57
average	13.56	13.56	13.54	13.55	13.55	13.56	13.56	13.54	13.56
sigma	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.01

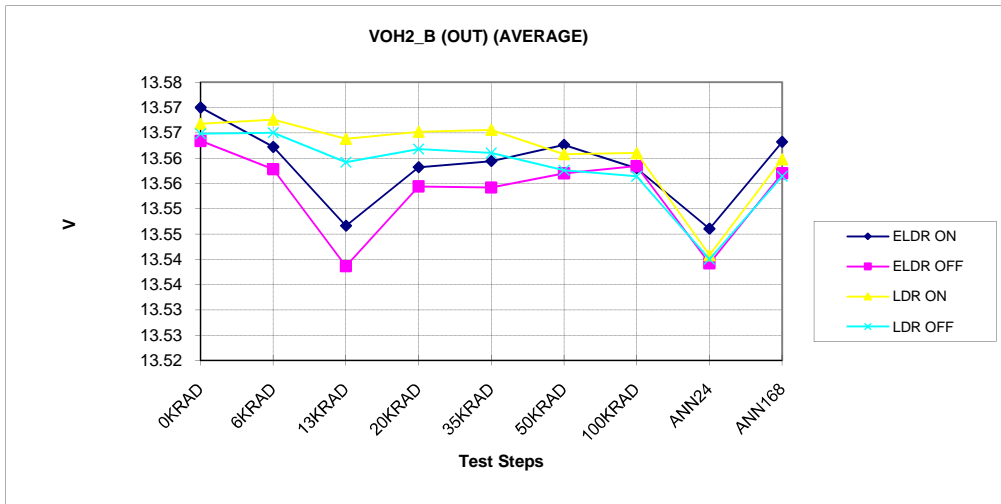




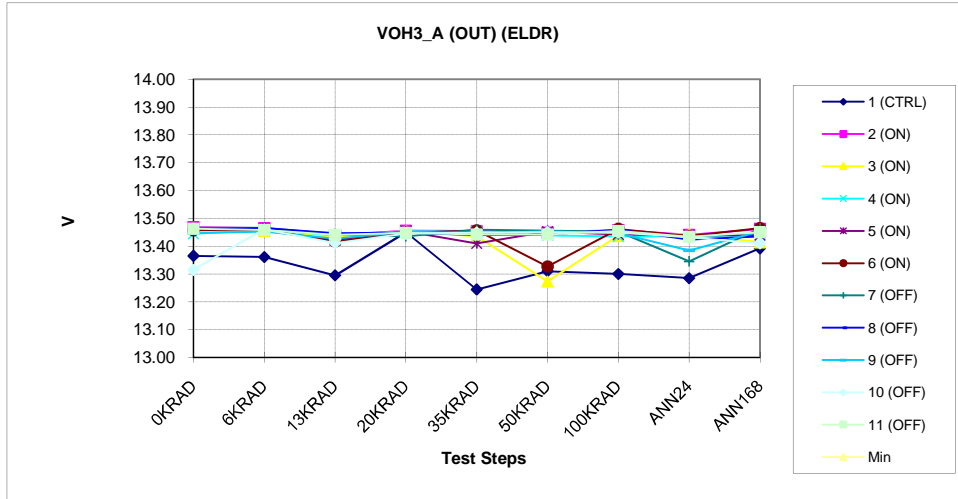
VOH2_B (OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	13	13	13	13	13	13	13	13	13
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	13.56	13.56	13.56	13.56	13.56	13.56	13.56	13.54	13.56

<b>Bias on results</b>									
2 (ON)	13.57	13.57	13.56	13.57	13.57	13.56	13.56	13.55	13.56
3 (ON)	13.57	13.57	13.56	13.56	13.57	13.56	13.56	13.55	13.56
4 (ON)	13.56	13.57	13.56	13.56	13.56	13.56	13.56	13.55	13.56
5 (ON)	13.57	13.57	13.57	13.57	13.57	13.56	13.56	13.53	13.56
6 (ON)	13.57	13.57	13.56	13.57	13.57	13.56	13.57	13.53	13.57
<b>Statistics bias on</b>									
min result	13.56	13.57	13.56	13.56	13.56	13.56	13.56	13.53	13.56
max result	13.57	13.57	13.57	13.57	13.57	13.56	13.57	13.55	13.57
average	13.57	13.57	13.56	13.57	13.57	13.56	13.56	13.54	13.56
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00

<b>Bias off results</b>									
7 (OFF)	13.56	13.57	13.56	13.56	13.56	13.56	13.56	13.53	13.55
8 (OFF)	13.56	13.56	13.56	13.56	13.56	13.56	13.56	13.54	13.56
9 (OFF)	13.57	13.56	13.56	13.56	13.56	13.56	13.56	13.55	13.56
10 (OFF)	13.57	13.57	13.56	13.57	13.56	13.56	13.56	13.55	13.56
11 (OFF)	13.57	13.57	13.56	13.56	13.56	13.56	13.56	13.54	13.56
<b>Statistics bias off</b>									
min result	13.56	13.56	13.56	13.56	13.56	13.56	13.55	13.53	13.55
max result	13.57	13.57	13.56	13.57	13.56	13.56	13.56	13.55	13.56
average	13.56	13.57	13.56	13.56	13.56	13.56	13.56	13.54	13.56
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00



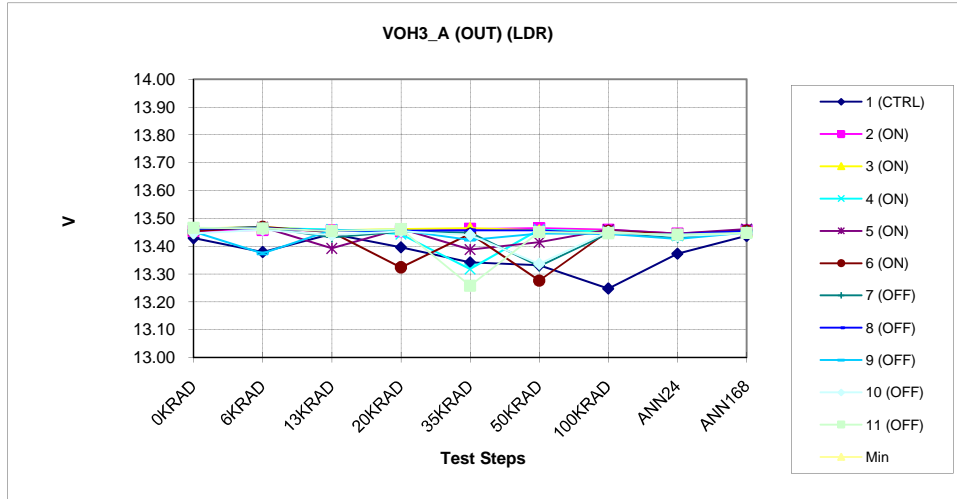
VOH2_B (OUT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	13.57	13.56	13.55	13.56	13.56	13.56	13.56	13.55	13.56
ELDR OFF	13.56	13.56	13.54	13.55	13.55	13.56	13.56	13.54	13.56
LDR ON	13.57	13.57	13.56	13.57	13.57	13.56	13.56	13.54	13.56
LDR OFF	13.56	13.57	13.56	13.56	13.56	13.56	13.56	13.54	13.56



VOH3_A (OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	12	12	12	12	12	12	12	12	12
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	13.37	13.36	13.30	13.45	13.24	13.31	13.30	13.29	13.39

<b>Bias on results</b>									
2 (ON)	13.47	13.47	13.44	13.46	13.46	13.45	13.46	13.44	13.46
3 (ON)	13.47	13.46	13.43	13.46	13.44	13.27	13.44	13.44	13.41
4 (ON)	13.44	13.46	13.44	13.45	13.45	13.44	13.44	13.44	13.44
5 (ON)	13.46	13.46	13.42	13.45	13.41	13.45	13.44	13.44	13.44
6 (ON)	13.46	13.46	13.42	13.45	13.46	13.33	13.46	13.44	13.47
<b>Statistics bias on</b>									
min result	13.44	13.46	13.42	13.45	13.41	13.27	13.44	13.44	13.41
max result	13.47	13.47	13.44	13.46	13.46	13.45	13.46	13.44	13.47
average	13.46	13.46	13.43	13.45	13.44	13.39	13.45	13.44	13.44
sigma	0.01	0.00	0.01	0.00	0.02	0.08	0.01	0.00	0.02

<b>Bias off results</b>									
7 (OFF)	13.47	13.47	13.44	13.44	13.46	13.46	13.45	13.35	13.46
8 (OFF)	13.46	13.47	13.45	13.45	13.44	13.44	13.46	13.42	13.44
9 (OFF)	13.45	13.45	13.43	13.45	13.45	13.45	13.45	13.39	13.45
10 (OFF)	13.32	13.46	13.41	13.45	13.45	13.45	13.45	13.43	13.41
11 (OFF)	13.46	13.46	13.44	13.45	13.44	13.44	13.46	13.43	13.45
<b>Statistics bias off</b>									
min result	13.32	13.45	13.41	13.44	13.44	13.44	13.45	13.35	13.41
max result	13.47	13.47	13.45	13.45	13.46	13.46	13.46	13.43	13.46
average	13.43	13.46	13.43	13.45	13.45	13.45	13.45	13.40	13.44
sigma	0.07	0.01	0.01	0.01	0.01	0.01	0.00	0.04	0.02



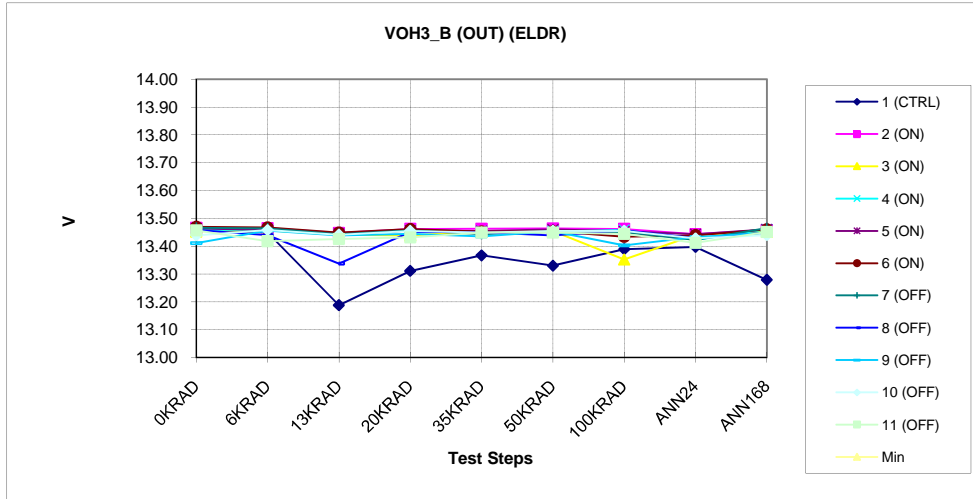
VOH3_A (OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	12	12	12	12	12	12	12	12	12
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	13.43	13.38	13.44	13.40	13.34	13.33	13.25	13.37	13.44

<b>Bias on results</b>									
2 (ON)	13.46	13.46	13.46	13.45	13.46	13.47	13.46	13.45	13.46
3 (ON)	13.46	13.47	13.46	13.46	13.47	13.46	13.46	13.44	13.45
4 (ON)	13.46	13.47	13.46	13.44	13.32	13.46	13.45	13.44	13.46
5 (ON)	13.46	13.47	13.39	13.46	13.39	13.41	13.46	13.45	13.46
6 (ON)	13.45	13.47	13.45	13.32	13.44	13.28	13.45	13.44	13.46
<b>Statistics bias on</b>									
min result	13.45	13.46	13.39	13.32	13.32	13.28	13.45	13.44	13.45
max result	13.46	13.47	13.46	13.46	13.47	13.47	13.46	13.45	13.46
average	13.46	13.47	13.44	13.43	13.42	13.41	13.46	13.44	13.46
sigma	0.00	0.00	0.03	0.06	0.06	0.08	0.00	0.00	0.00

<b>Bias off results</b>									
7 (OFF)	13.46	13.47	13.43	13.45	13.45	13.33	13.45	13.43	13.45
8 (OFF)	13.46	13.47	13.46	13.46	13.46	13.46	13.44	13.44	13.46
9 (OFF)	13.45	13.37	13.46	13.46	13.42	13.45	13.44	13.43	13.45
10 (OFF)	13.45	13.46	13.44	13.45	13.44	13.34	13.45	13.44	13.45
11 (OFF)	13.47	13.46	13.46	13.46	13.26	13.45	13.45	13.44	13.45
<b>Statistics bias off</b>									
min result	13.45	13.37	13.43	13.45	13.26	13.33	13.44	13.43	13.45
max result	13.47	13.47	13.46	13.46	13.46	13.46	13.45	13.44	13.46
average	13.46	13.45	13.45	13.46	13.41	13.40	13.45	13.44	13.45
sigma	0.01	0.04	0.01	0.00	0.08	0.07	0.00	0.01	0.00



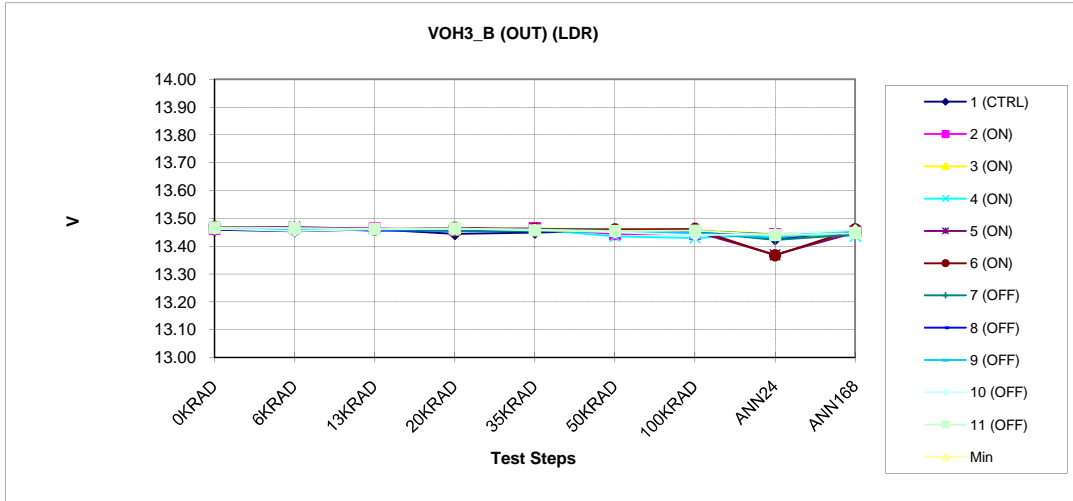
VOH3_A (OUT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	13.46	13.46	13.43	13.45	13.44	13.39	13.45	13.44	13.44
ELDR OFF	13.43	13.46	13.43	13.45	13.45	13.45	13.45	13.40	13.44
LDR ON	13.46	13.47	13.44	13.43	13.42	13.41	13.46	13.44	13.46
LDR OFF	13.46	13.45	13.45	13.46	13.41	13.40	13.45	13.44	13.45



VOH3_B (OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	12	12	12	12	12	12	12	12	12
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	13.46	13.45	13.19	13.31	13.37	13.33	13.39	13.40	13.28

<b>Bias on results</b>									
2 (ON)	13.47	13.47	13.45	13.46	13.46	13.46	13.46	13.44	13.46
3 (ON)	13.45	13.46	13.44	13.44	13.45	13.46	13.35	13.44	13.45
4 (ON)	13.46	13.46	13.44	13.46	13.45	13.46	13.46	13.42	13.46
5 (ON)	13.46	13.46	13.44	13.46	13.46	13.46	13.45	13.44	13.46
6 (ON)	13.47	13.47	13.45	13.46	13.45	13.45	13.43	13.44	13.46
<b>Statistics bias on</b>									
min result	13.45	13.46	13.44	13.44	13.45	13.45	13.35	13.42	13.45
max result	13.47	13.47	13.45	13.46	13.46	13.46	13.46	13.44	13.46
average	13.46	13.46	13.44	13.46	13.46	13.46	13.43	13.44	13.46
sigma	0.01	0.00	0.00	0.01	0.00	0.00	0.05	0.01	0.00

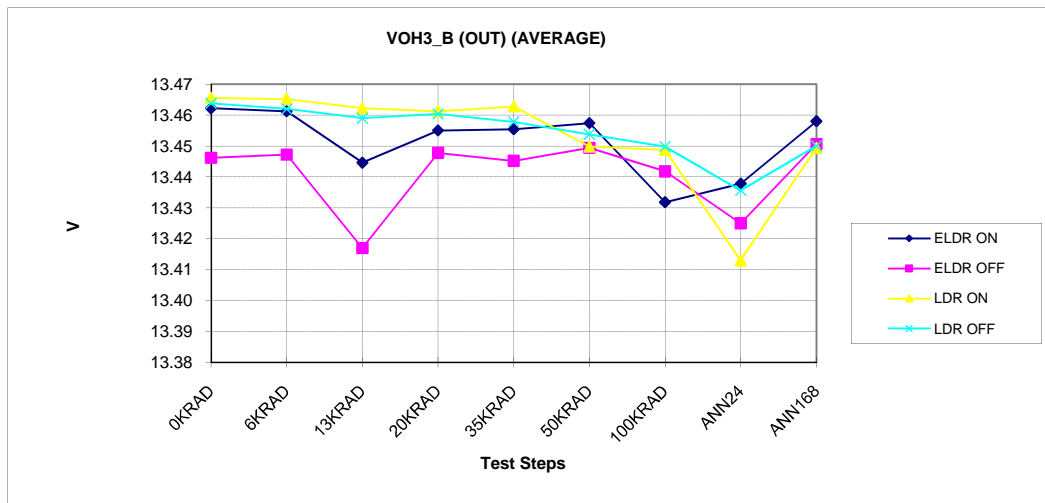
<b>Bias off results</b>									
7 (OFF)	13.47	13.46	13.44	13.46	13.44	13.45	13.45	13.42	13.47
8 (OFF)	13.46	13.44	13.34	13.45	13.45	13.44	13.46	13.43	13.45
9 (OFF)	13.41	13.46	13.44	13.44	13.44	13.45	13.40	13.43	13.45
10 (OFF)	13.44	13.46	13.44	13.46	13.45	13.46	13.46	13.43	13.44
11 (OFF)	13.46	13.42	13.43	13.43	13.45	13.45	13.44	13.41	13.45
<b>Statistics bias off</b>									
min result	13.41	13.42	13.34	13.43	13.44	13.44	13.40	13.41	13.44
max result	13.47	13.46	13.44	13.46	13.45	13.46	13.46	13.43	13.47
average	13.45	13.45	13.42	13.45	13.45	13.45	13.44	13.43	13.45
sigma	0.02	0.02	0.05	0.01	0.01	0.01	0.02	0.01	0.01



VOH3_B (OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	12	12	12	12	12	12	12	12	12
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	13.46	13.45	13.46	13.44	13.45	13.46	13.46	13.43	13.46

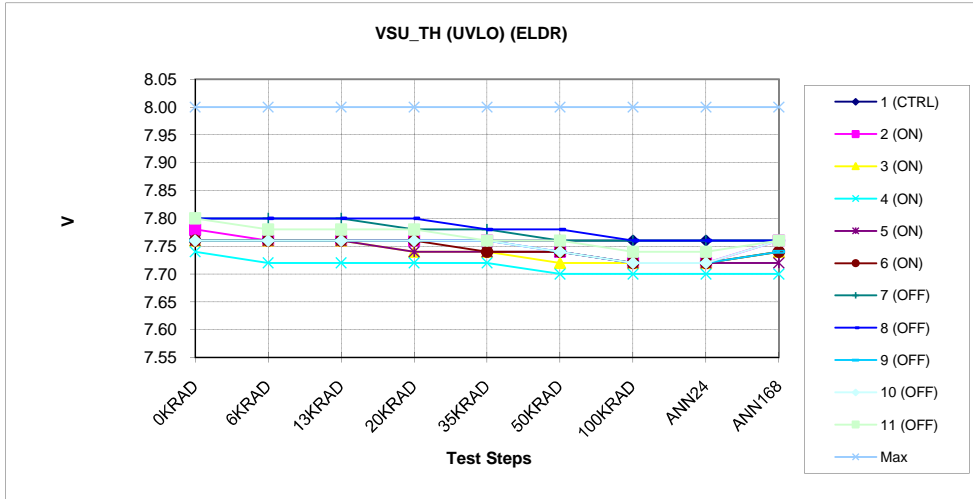
<b>Bias on results</b>									
2 (ON)	13.46	13.47	13.46	13.46	13.47	13.44	13.44	13.44	13.45
3 (ON)	13.47	13.47	13.46	13.46	13.46	13.46	13.46	13.44	13.45
4 (ON)	13.46	13.46	13.46	13.46	13.46	13.44	13.43	13.44	13.44
5 (ON)	13.47	13.47	13.46	13.46	13.46	13.45	13.45	13.37	13.45
6 (ON)	13.47	13.46	13.46	13.47	13.46	13.46	13.46	13.37	13.46
<b>Statistics bias on</b>									
min result	13.46	13.46	13.46	13.46	13.46	13.44	13.43	13.37	13.44
max result	13.47	13.47	13.46	13.47	13.47	13.46	13.46	13.44	13.46
average	13.47	13.47	13.46	13.46	13.46	13.45	13.45	13.41	13.45
sigma	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.04	0.01

<b>Bias off results</b>									
7 (OFF)	13.46	13.46	13.46	13.46	13.45	13.45	13.45	13.42	13.44
8 (OFF)	13.46	13.47	13.46	13.46	13.46	13.46	13.46	13.44	13.45
9 (OFF)	13.46	13.46	13.46	13.46	13.46	13.46	13.45	13.43	13.46
10 (OFF)	13.46	13.46	13.46	13.46	13.46	13.45	13.44	13.44	13.46
11 (OFF)	13.47	13.47	13.46	13.46	13.46	13.46	13.46	13.44	13.45
<b>Statistics bias off</b>									
min result	13.46	13.46	13.46	13.46	13.45	13.45	13.44	13.42	13.44
max result	13.47	13.47	13.46	13.46	13.46	13.46	13.46	13.44	13.46
average	13.46	13.46	13.46	13.46	13.46	13.45	13.45	13.44	13.45
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01



VOH3_B (OUT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	13.46	13.46	13.44	13.46	13.46	13.46	13.43	13.44	13.46
ELDR OFF	13.45	13.45	13.42	13.45	13.45	13.45	13.44	13.43	13.45
LDR ON	13.47	13.47	13.46	13.46	13.46	13.45	13.45	13.41	13.45
LDR OFF	13.46	13.46	13.46	13.46	13.46	13.45	13.45	13.44	13.45

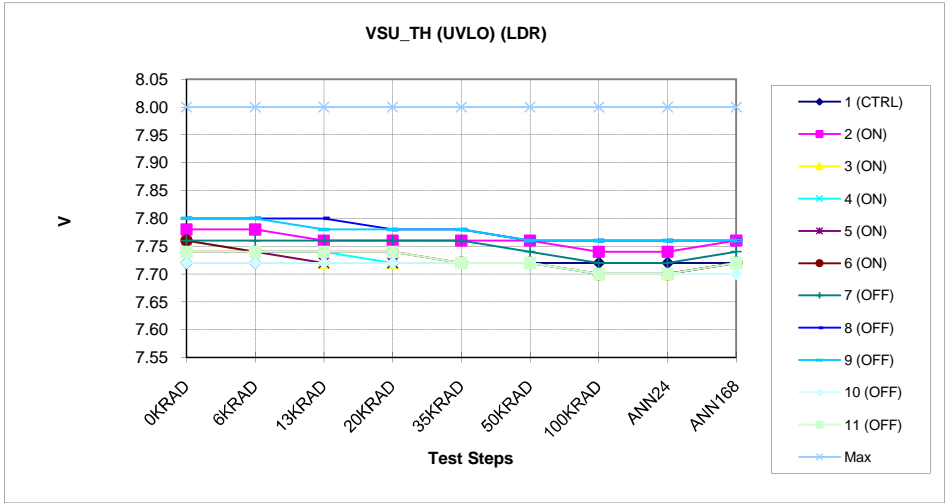




VSU_TH (UVLO) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	8	8	8	8	8	8	8	8	8
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76	7.76

<b>Bias on results</b>									
2 (ON)	7.78	7.76	7.76	7.76	7.76	7.74	7.72	7.72	7.76
3 (ON)	7.76	7.76	7.76	7.74	7.74	7.72	7.72	7.72	7.74
4 (ON)	7.74	7.72	7.72	7.72	7.72	7.70	7.70	7.70	7.70
5 (ON)	7.76	7.76	7.76	7.74	7.74	7.74	7.72	7.72	7.72
6 (ON)	7.76	7.76	7.76	7.76	7.74	7.74	7.72	7.72	7.74
<b>Statistics bias on</b>									
min result	7.74	7.72	7.72	7.72	7.72	7.70	7.70	7.70	7.70
max result	7.78	7.76	7.76	7.76	7.76	7.74	7.72	7.72	7.76
average	7.76	7.75	7.75	7.74	7.74	7.73	7.72	7.72	7.73
sigma	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.02

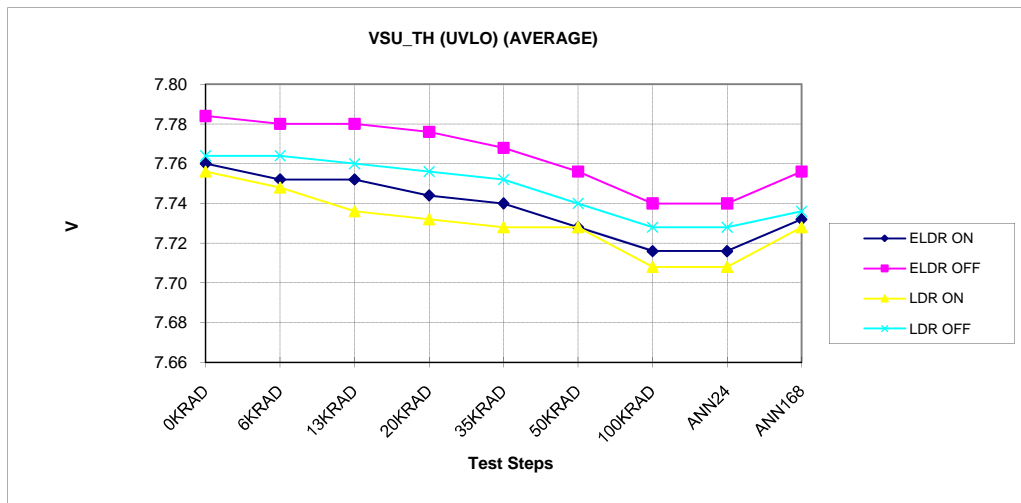
<b>Bias off results</b>									
7 (OFF)	7.80	7.80	7.80	7.78	7.78	7.76	7.76	7.76	7.76
8 (OFF)	7.80	7.80	7.80	7.80	7.78	7.78	7.76	7.76	7.76
9 (OFF)	7.76	7.76	7.76	7.76	7.76	7.74	7.72	7.72	7.74
10 (OFF)	7.76	7.76	7.76	7.76	7.76	7.74	7.72	7.72	7.76
11 (OFF)	7.80	7.78	7.78	7.78	7.76	7.76	7.74	7.74	7.76
<b>Statistics bias off</b>									
min result	7.76	7.76	7.76	7.76	7.76	7.74	7.72	7.72	7.74
max result	7.80	7.80	7.80	7.80	7.78	7.78	7.76	7.76	7.76
average	7.78	7.78	7.78	7.78	7.77	7.76	7.74	7.74	7.76
sigma	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.01



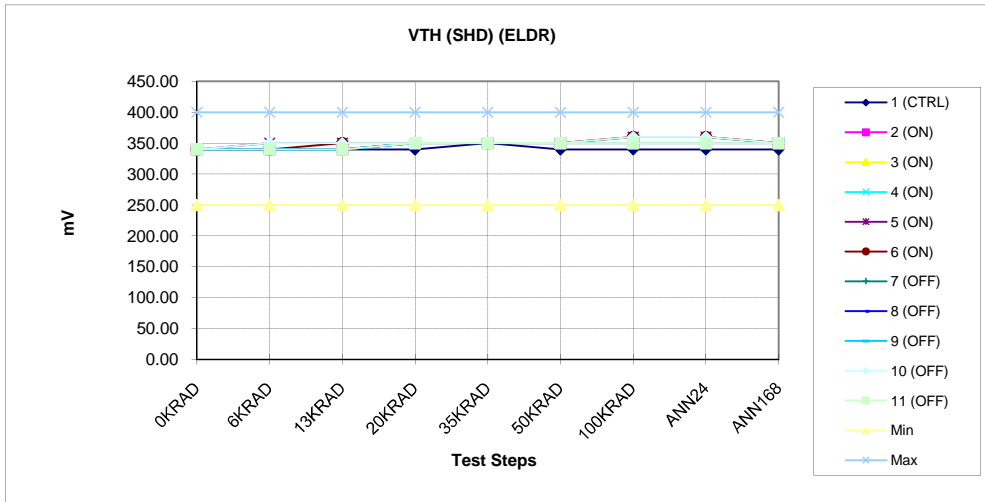
VSU_TH (UVLO) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	8	8	8	8	8	8	8	8	8
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	7.72	7.72	7.72	7.72	7.72	7.72	7.72	7.72	7.72

<b>Bias on results</b>									
2 (ON)	7.78	7.78	7.76	7.76	7.76	7.76	7.74	7.74	7.76
3 (ON)	7.74	7.74	7.72	7.72	7.72	7.72	7.70	7.70	7.72
4 (ON)	7.76	7.74	7.74	7.72	7.72	7.72	7.70	7.70	7.72
5 (ON)	7.74	7.74	7.72	7.72	7.72	7.72	7.70	7.70	7.72
6 (ON)	7.76	7.74	7.74	7.74	7.72	7.72	7.70	7.70	7.72
<b>Statistics bias on</b>									
min result	7.74	7.74	7.72	7.72	7.72	7.72	7.70	7.70	7.72
max result	7.78	7.78	7.76	7.76	7.76	7.76	7.74	7.74	7.76
average	7.76	7.75	7.74	7.73	7.73	7.73	7.71	7.71	7.73
sigma	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

<b>Bias off results</b>									
7 (OFF)	7.76	7.76	7.76	7.76	7.76	7.74	7.72	7.72	7.74
8 (OFF)	7.80	7.80	7.80	7.78	7.78	7.76	7.76	7.76	7.76
9 (OFF)	7.80	7.80	7.78	7.78	7.78	7.76	7.76	7.76	7.76
10 (OFF)	7.72	7.72	7.72	7.72	7.72	7.72	7.70	7.70	7.70
11 (OFF)	7.74	7.74	7.74	7.74	7.72	7.72	7.70	7.70	7.72
<b>Statistics bias off</b>									
min result	7.72	7.72	7.72	7.72	7.72	7.72	7.70	7.70	7.70
max result	7.80	7.80	7.80	7.78	7.78	7.76	7.76	7.76	7.76
average	7.76	7.76	7.76	7.76	7.75	7.74	7.73	7.73	7.74
sigma	0.04	0.04	0.03	0.03	0.03	0.02	0.03	0.03	0.03



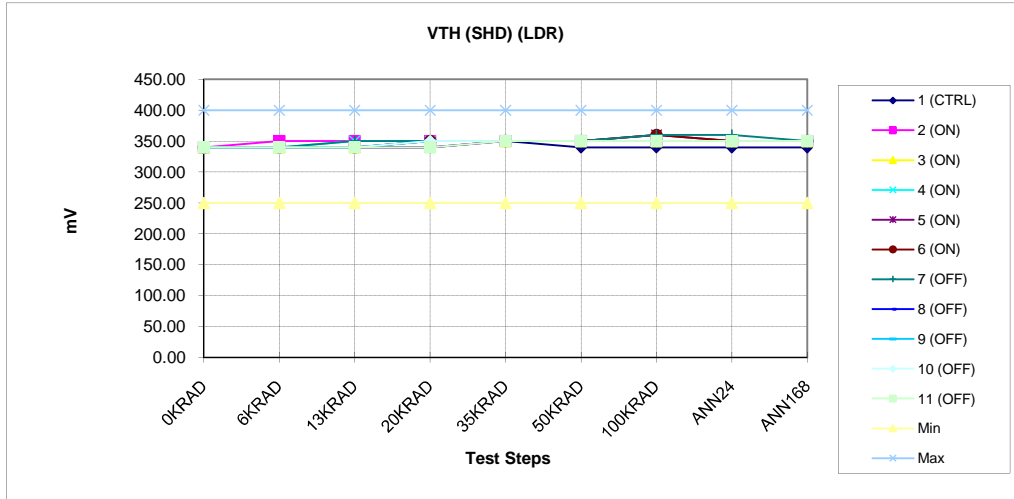
VSU_TH (UVLO) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	7.76	7.75	7.75	7.74	7.74	7.73	7.72	7.72	7.73
ELDR OFF	7.78	7.78	7.78	7.78	7.77	7.76	7.74	7.74	7.76
LDR ON	7.76	7.75	7.74	7.73	7.73	7.73	7.71	7.71	7.73
LDR OFF	7.76	7.76	7.76	7.76	7.75	7.74	7.73	7.73	7.74



VTH (SHD) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	250	250	250	250	250	250	250	250	250
Max	400	400	400	400	400	400	400	400	400
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
1 (CTRL)	340.0	340.0	340.0	340.0	350.0	340.0	340.0	340.0	340.0

<b>Bias on results</b>									
2 (ON)	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
3 (ON)	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
4 (ON)	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
5 (ON)	340.0	350.0	350.0	350.0	350.0	350.0	360.0	360.0	350.0
6 (ON)	340.0	340.0	350.0	350.0	350.0	350.0	360.0	360.0	350.0
<b>Statistics bias on</b>									
min result	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
max result	340.0	350.0	350.0	350.0	350.0	350.0	360.0	360.0	350.0
average	340.0	342.0	344.0	350.0	350.0	350.0	354.0	354.0	350.0
sigma	0.0	4.5	5.5	0.0	0.0	0.0	5.5	5.5	0.0

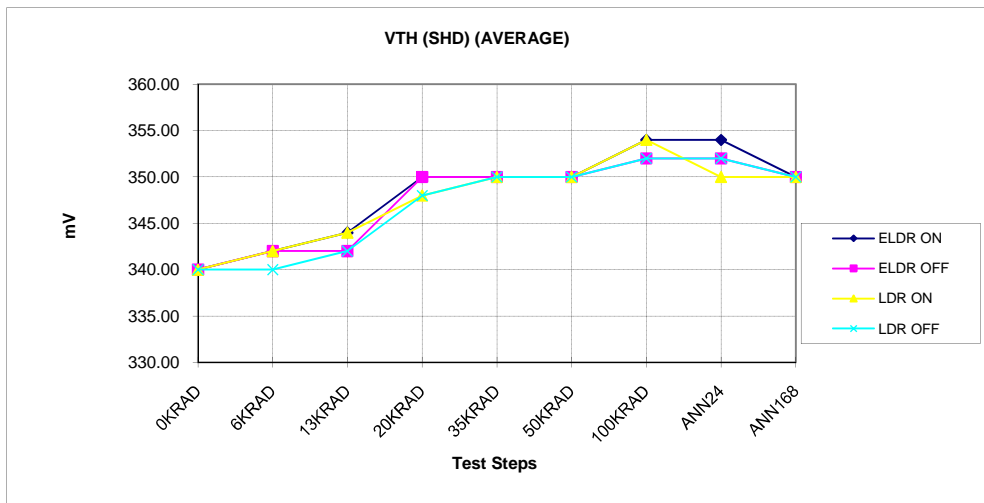
<b>Bias off results</b>									
7 (OFF)	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
8 (OFF)	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
9 (OFF)	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
10 (OFF)	340.0	350.0	350.0	350.0	350.0	350.0	360.0	360.0	350.0
11 (OFF)	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
<b>Statistics bias off</b>									
min result	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
max result	340.0	350.0	350.0	350.0	350.0	350.0	360.0	360.0	350.0
average	340.0	342.0	342.0	350.0	350.0	350.0	352.0	352.0	350.0
sigma	0.0	4.5	4.5	0.0	0.0	0.0	4.5	4.5	0.0



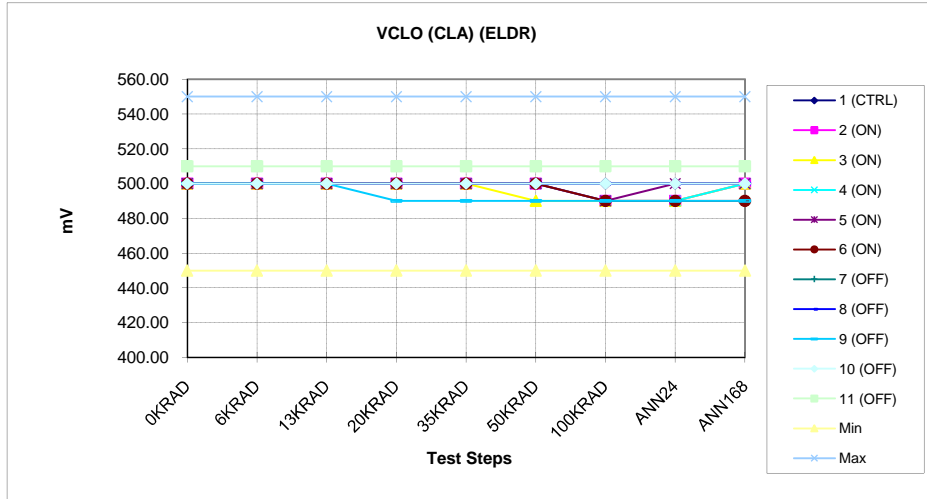
VTH (SHD) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	250	250	250	250	250	250	250	250	250
Max	400	400	400	400	400	400	400	400	400
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
1 (CTRL)	340.0	340.0	340.0	340.0	350.0	340.0	340.0	340.0	340.0

<b>Bias on results</b>									
2 (ON)	340.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0
3 (ON)	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
4 (ON)	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0
5 (ON)	340.0	340.0	340.0	340.0	350.0	350.0	360.0	350.0	350.0
6 (ON)	340.0	340.0	340.0	350.0	350.0	350.0	360.0	350.0	350.0
<b>Statistics bias on</b>									
min result	340.0	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0
max result	340.0	350.0	350.0	350.0	350.0	350.0	360.0	350.0	350.0
average	340.0	342.0	344.0	348.0	350.0	350.0	354.0	350.0	350.0
sigma	0.0	4.5	5.5	4.5	0.0	0.0	5.5	0.0	0.0

<b>Bias off results</b>									
7 (OFF)	340.0	340.0	350.0	350.0	350.0	350.0	360.0	360.0	350.0
8 (OFF)	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
9 (OFF)	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
10 (OFF)	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0	350.0
11 (OFF)	340.0	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0
<b>Statistics bias off</b>									
min result	340.0	340.0	340.0	340.0	350.0	350.0	350.0	350.0	350.0
max result	340.0	340.0	350.0	350.0	350.0	350.0	360.0	360.0	350.0
average	340.0	340.0	342.0	348.0	350.0	350.0	352.0	352.0	350.0
sigma	0.0	0.0	4.5	4.5	0.0	0.0	4.5	4.5	0.0



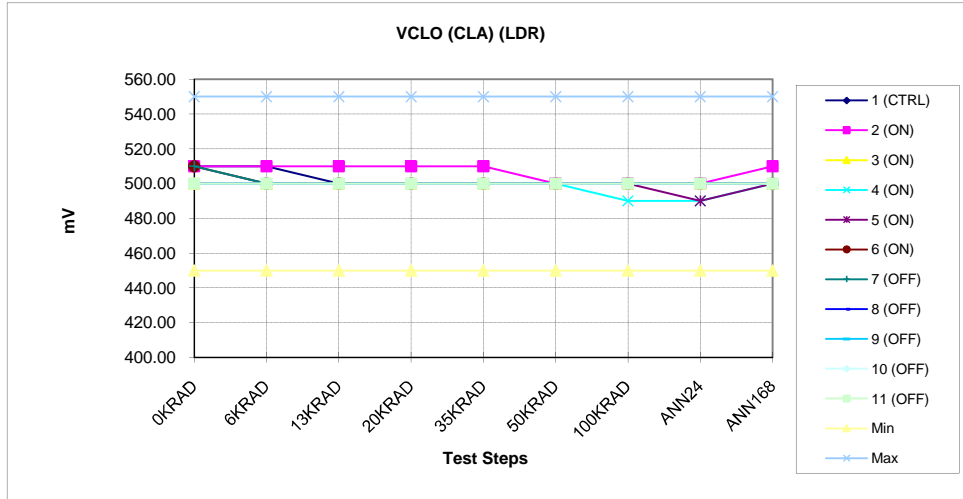
VTH (SHD) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	340.0	342.0	344.0	350.0	350.0	350.0	354.0	354.0	350.0
ELDR OFF	340.0	342.0	342.0	350.0	350.0	350.0	352.0	352.0	350.0
LDR ON	340.0	342.0	344.0	348.0	350.0	350.0	354.0	350.0	350.0
LDR OFF	340.0	340.0	342.0	348.0	350.0	350.0	352.0	352.0	350.0



VCLO (CLA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	450	450	450	450	450	450	450	450	450
Max	550	550	550	550	550	550	550	550	550
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
1 (CTRL)	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0

<b>Bias on results</b>									
2 (ON)	500.0	500.0	500.0	500.0	500.0	500.0	490.0	490.0	500.0
3 (ON)	500.0	500.0	500.0	500.0	500.0	490.0	490.0	490.0	500.0
4 (ON)	500.0	500.0	500.0	500.0	500.0	500.0	490.0	490.0	500.0
5 (ON)	500.0	500.0	500.0	500.0	500.0	500.0	490.0	500.0	500.0
6 (ON)	500.0	500.0	500.0	500.0	500.0	500.0	490.0	490.0	490.0
<b>Statistics bias on</b>									
min result	500.0	500.0	500.0	500.0	500.0	490.0	490.0	490.0	490.0
max result	500.0	500.0	500.0	500.0	500.0	500.0	490.0	500.0	500.0
average	500.0	500.0	500.0	500.0	500.0	498.0	490.0	492.0	498.0
sigma	0.0	0.0	0.0	0.0	0.0	4.5	0.0	4.5	4.5

<b>Bias off results</b>									
7 (OFF)	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
8 (OFF)	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
9 (OFF)	500.0	500.0	500.0	490.0	490.0	490.0	490.0	490.0	490.0
10 (OFF)	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
11 (OFF)	510.0	510.0	510.0	510.0	510.0	510.0	510.0	510.0	510.0
<b>Statistics bias off</b>									
min result	500.0	500.0	500.0	490.0	490.0	490.0	490.0	490.0	490.0
max result	510.0	510.0	510.0	510.0	510.0	510.0	510.0	510.0	510.0
average	502.0	502.0	502.0	500.0	500.0	500.0	500.0	500.0	500.0
sigma	4.5	4.5	4.5	7.1	7.1	7.1	7.1	7.1	7.1

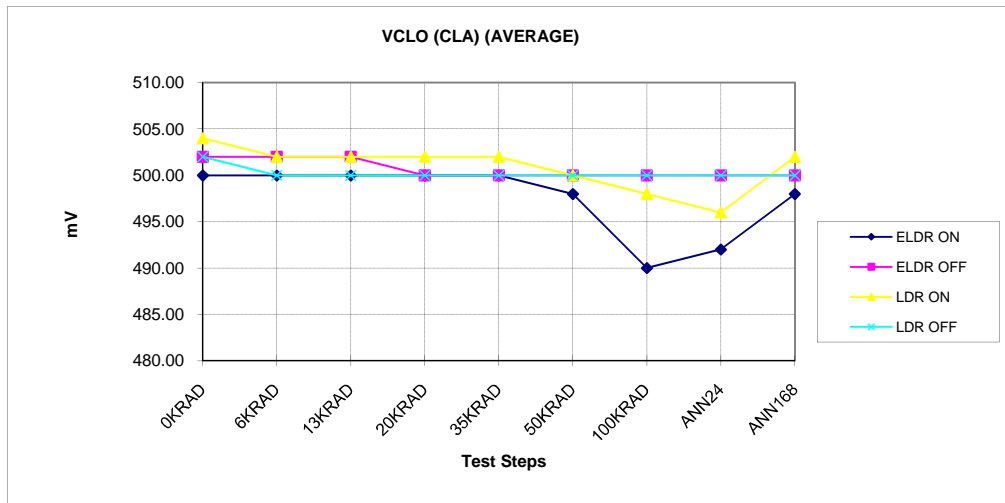


VCLO (CLA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	450	450	450	450	450	450	450	450	450
Max	550	550	550	550	550	550	550	550	550
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
1 (CTRL)	510.0	510.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0

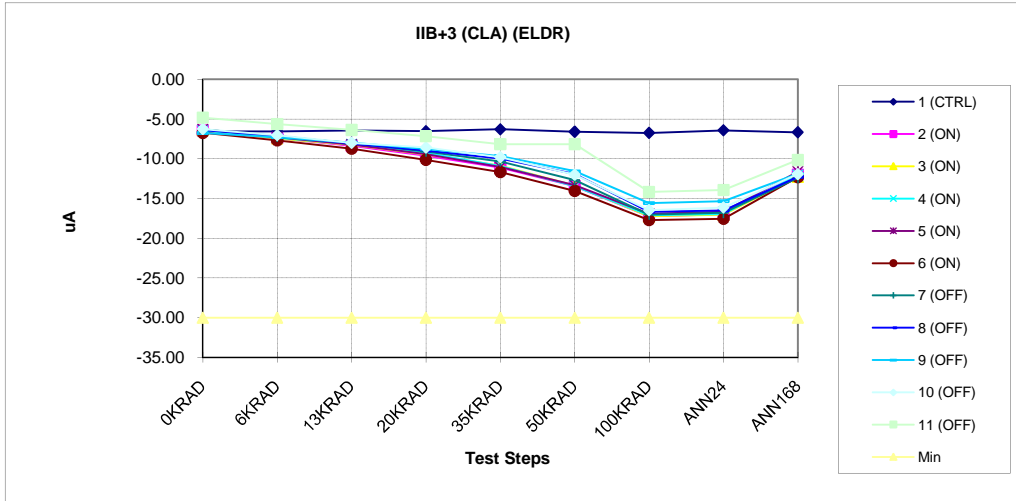
<b>Bias on results</b>									
2 (ON)	510.0	510.0	510.0	510.0	510.0	500.0	500.0	500.0	510.0
3 (ON)	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
4 (ON)	500.0	500.0	500.0	500.0	500.0	500.0	500.0	490.0	500.0
5 (ON)	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
6 (ON)	510.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
<b>Statistics bias on</b>									
min result	500.0	500.0	500.0	500.0	500.0	500.0	490.0	490.0	500.0
max result	510.0	510.0	510.0	510.0	510.0	500.0	500.0	500.0	510.0
average	504.0	502.0	502.0	502.0	502.0	500.0	498.0	496.0	502.0
sigma	5.5	4.5	4.5	4.5	4.5	0.0	4.5	5.5	4.5

<b>Bias off results</b>									
7 (OFF)	510.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
8 (OFF)	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
9 (OFF)	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
10 (OFF)	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
11 (OFF)	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
<b>Statistics bias off</b>									
min result	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
max result	510.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
average	502.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
sigma	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





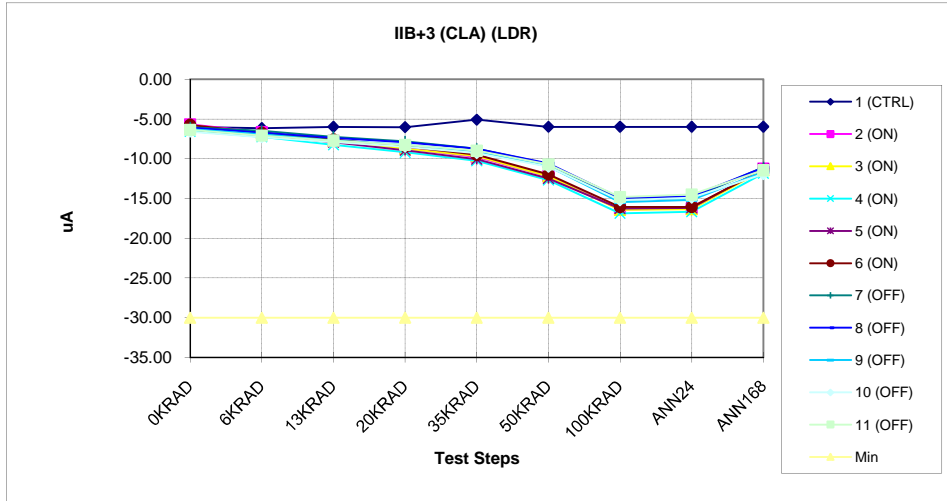
VCLO (CLA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	500.0	500.0	500.0	500.0	500.0	498.0	490.0	492.0	498.0
ELDR OFF	502.0	502.0	502.0	500.0	500.0	500.0	500.0	500.0	500.0
LDR ON	504.0	502.0	502.0	502.0	502.0	500.0	498.0	496.0	502.0
LDR OFF	502.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



IIB+3 (CLA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-30	-30	-30	-30	-30	-30	-30	-30	-30
Max	--	--	--	--	--	--	--	--	--
Unit	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
1 (CTRL)	-6.56	-6.54	-6.43	-6.54	-6.29	-6.60	-6.75	-6.43	-6.66

<b>Bias on results</b>									
2 (ON)	-6.44	-7.42	-8.37	-9.63	-11.09	-13.47	-17.22	-17.01	-12.01
3 (ON)	-6.42	-7.43	-8.23	-9.45	-10.89	-13.37	-17.25	-17.05	-12.26
4 (ON)	-6.43	-7.35	-8.17	-9.27	-10.91	-13.45	-17.11	-16.94	-12.05
5 (ON)	-6.29	-7.27	-8.23	-9.42	-11.03	-13.34	-16.90	-16.66	-11.62
6 (ON)	-6.74	-7.69	-8.73	-10.13	-11.66	-14.06	-17.72	-17.54	-12.32
<b>Statistics bias on</b>									
min result	-6.74	-7.69	-8.73	-10.13	-11.66	-14.06	-17.72	-17.54	-12.32
max result	-6.29	-7.27	-8.17	-9.27	-10.89	-13.34	-16.90	-16.66	-11.62
average	-6.46	-7.43	-8.34	-9.58	-11.12	-13.53	-17.24	-17.04	-12.05
sigma	0.17	0.16	0.23	0.33	0.32	0.30	0.30	0.32	0.27

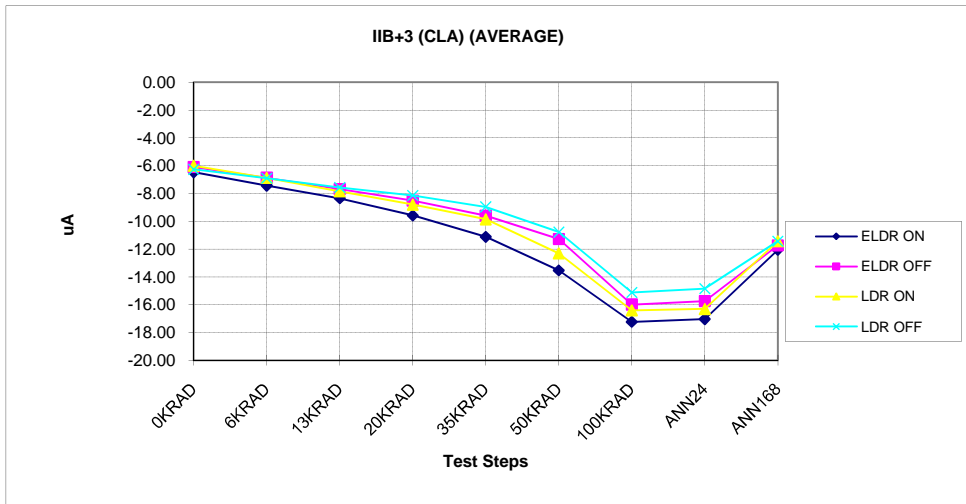
<b>Bias off results</b>									
7 (OFF)	-6.28	-7.23	-8.01	-9.10	-10.34	-12.68	-17.03	-16.81	-12.40
8 (OFF)	-6.39	-7.12	-8.08	-8.98	-9.99	-11.92	-16.68	-16.52	-12.29
9 (OFF)	-6.75	-7.30	-7.97	-8.76	-9.64	-11.57	-15.58	-15.34	-11.89
10 (OFF)	-6.26	-7.05	-8.02	-8.59	-9.81	-12.01	-16.46	-16.13	-11.93
11 (OFF)	-4.83	-5.64	-6.37	-7.17	-8.17	-8.17	-14.17	-13.93	-10.16
<b>Statistics bias off</b>									
min result	-6.75	-7.30	-8.08	-9.10	-10.34	-12.68	-17.03	-16.81	-12.40
max result	-4.83	-5.64	-6.37	-7.17	-8.17	-8.17	-14.17	-13.93	-10.16
average	-6.10	-6.87	-7.69	-8.52	-9.59	-11.27	-15.98	-15.74	-11.73
sigma	0.74	0.69	0.74	0.78	0.84	1.78	1.14	1.16	0.91



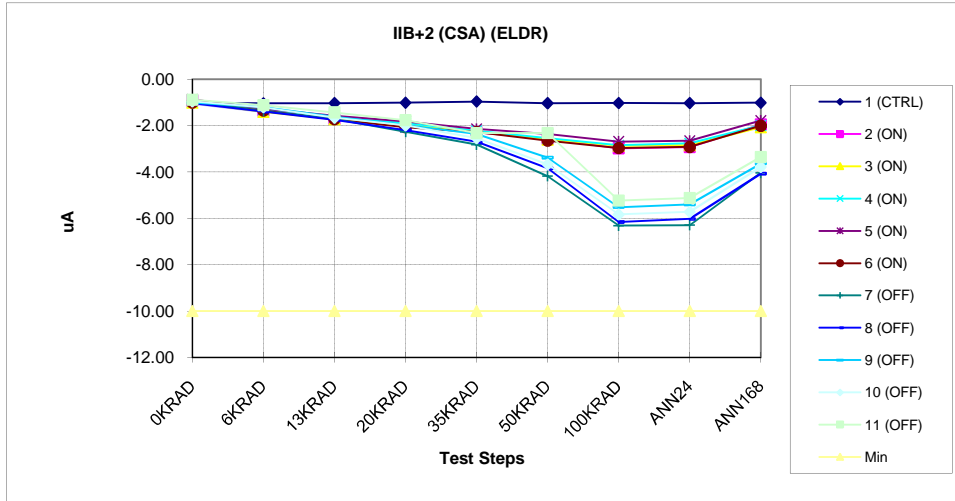
IIB+3 (CLA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-30	-30	-30	-30	-30	-30	-30	-30	-30
Max	--	--	--	--	--	--	--	--	--
Unit	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
1 (CTRL)	-5.98	-6.16	-5.98	-6.03	-5.09	-5.99	-5.98	-5.98	-5.98

<b>Bias on results</b>									
2 (ON)	-5.68	-6.64	-7.73	-8.67	-9.76	-12.17	-16.40	-16.29	-11.23
3 (ON)	-5.79	-6.74	-7.74	-8.73	-9.67	-12.21	-16.42	-16.33	-11.43
4 (ON)	-6.54	-7.23	-8.24	-9.20	-10.28	-12.68	-16.86	-16.67	-11.82
5 (ON)	-6.32	-7.00	-7.93	-8.95	-10.06	-12.49	-16.27	-16.17	-11.27
6 (ON)	-5.73	-6.74	-7.58	-8.45	-9.51	-11.96	-16.05	-16.06	-11.40
<b>Statistics bias on</b>									
min result	-6.54	-7.23	-8.24	-9.20	-10.28	-12.68	-16.86	-16.67	-11.82
max result	-5.68	-6.64	-7.58	-8.45	-9.51	-11.96	-16.05	-16.06	-11.23
average	-6.01	-6.87	-7.85	-8.80	-9.86	-12.30	-16.40	-16.30	-11.43
sigma	0.39	0.24	0.25	0.28	0.31	0.28	0.30	0.23	0.23

<b>Bias off results</b>									
7 (OFF)	-6.04	-6.50	-7.23	-7.82	-8.73	-10.66	-15.20	-14.94	-11.06
8 (OFF)	-6.09	-6.73	-7.36	-7.93	-8.73	-10.59	-14.96	-14.74	-11.12
9 (OFF)	-6.28	-6.94	-7.68	-8.24	-9.07	-10.93	-15.46	-15.17	-11.64
10 (OFF)	-6.59	-7.29	-7.88	-8.50	-9.31	-11.00	-15.21	-14.88	-11.93
11 (OFF)	-6.35	-7.07	-7.71	-8.24	-8.99	-10.70	-14.81	-14.51	-11.45
<b>Statistics bias off</b>									
min result	-6.59	-7.29	-7.88	-8.50	-9.31	-11.00	-15.46	-15.17	-11.93
max result	-6.04	-6.50	-7.23	-7.82	-8.73	-10.59	-14.81	-14.51	-11.06
average	-6.27	-6.90	-7.57	-8.15	-8.97	-10.78	-15.13	-14.85	-11.44
sigma	0.22	0.31	0.27	0.27	0.24	0.18	0.25	0.25	0.36



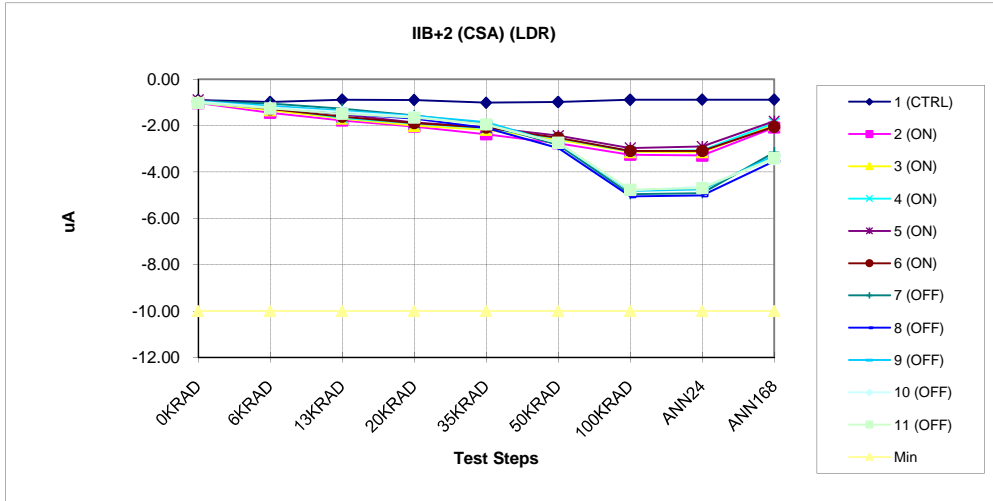
IIB+3 (CLA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-6.46	-7.43	-8.34	-9.58	-11.12	-13.53	-17.24	-17.04	-12.05
ELDR OFF	-6.10	-6.87	-7.69	-8.52	-9.59	-11.27	-15.98	-15.74	-11.73
LDR ON	-6.01	-6.87	-7.85	-8.80	-9.86	-12.30	-16.40	-16.30	-11.43
LDR OFF	-6.27	-6.90	-7.57	-8.15	-8.97	-10.78	-15.13	-14.85	-11.44



IIB+2 (CSA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	--	--	--	--	--	--	--	--	--
Unit	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
1 (CTRL)	-1.03	-1.04	-1.03	-1.01	-0.96	-1.03	-1.03	-1.03	-1.01

<b>Bias on results</b>									
2 (ON)	-0.92	-1.35	-1.71	-2.03	-2.29	-2.57	-2.98	-2.92	-1.95
3 (ON)	-1.01	-1.41	-1.72	-1.98	-2.26	-2.60	-2.86	-2.84	-2.07
4 (ON)	-0.94	-1.31	-1.64	-1.89	-2.22	-2.54	-2.85	-2.76	-1.99
5 (ON)	-0.87	-1.27	-1.57	-1.83	-2.14	-2.36	-2.69	-2.65	-1.79
6 (ON)	-1.01	-1.35	-1.72	-2.07	-2.28	-2.64	-2.96	-2.92	-2.01
<b>Statistics bias on</b>									
min result	-1.01	-1.41	-1.72	-2.07	-2.29	-2.64	-2.98	-2.92	-2.07
max result	-0.87	-1.27	-1.57	-1.83	-2.14	-2.36	-2.69	-2.65	-1.79
average	-0.95	-1.34	-1.67	-1.96	-2.24	-2.54	-2.87	-2.82	-1.96
sigma	0.06	0.05	0.07	0.10	0.06	0.11	0.12	0.11	0.11

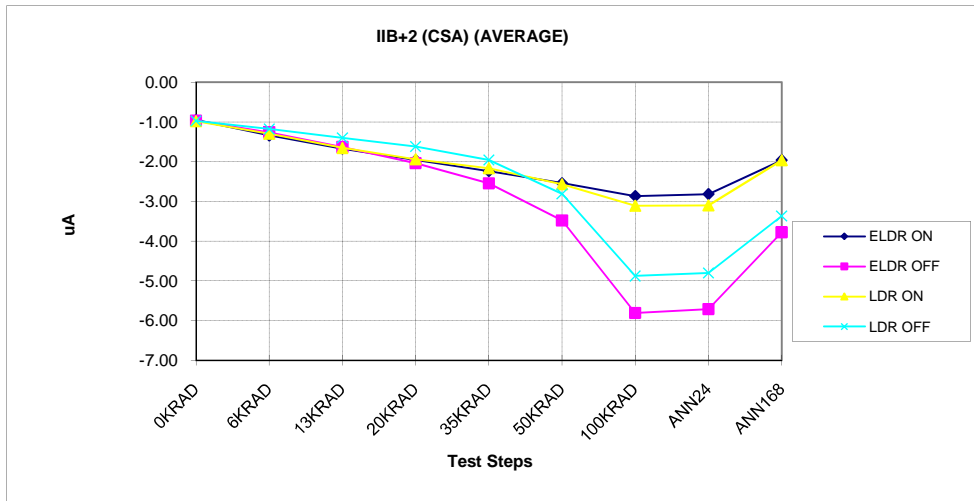
<b>Bias off results</b>									
7 (OFF)	-0.97	-1.38	-1.71	-2.27	-2.82	-4.18	-6.32	-6.29	-4.04
8 (OFF)	-1.03	-1.40	-1.75	-2.19	-2.70	-3.84	-6.16	-6.03	-4.07
9 (OFF)	-1.01	-1.20	-1.62	-1.97	-2.36	-3.38	-5.52	-5.40	-3.64
10 (OFF)	-0.95	-1.21	-1.65	-1.99	-2.54	-3.67	-5.83	-5.71	-3.78
11 (OFF)	-0.88	-1.12	-1.43	-1.77	-2.31	-2.31	-5.23	-5.12	-3.36
<b>Statistics bias off</b>									
min result	-1.03	-1.40	-1.75	-2.27	-2.82	-4.18	-6.32	-6.29	-4.07
max result	-0.88	-1.12	-1.43	-1.77	-2.31	-2.31	-5.23	-5.12	-3.36
average	-0.97	-1.26	-1.63	-2.04	-2.55	-3.48	-5.81	-5.71	-3.78
sigma	0.06	0.12	0.12	0.20	0.22	0.71	0.45	0.47	0.30



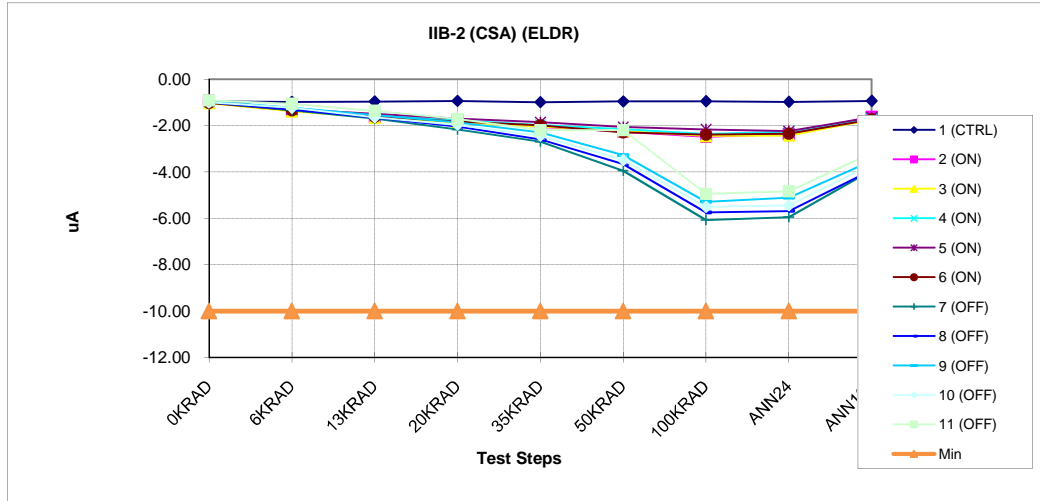
IIB+2 (CSA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	--	--	--	--	--	--	--	--	--
Unit	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
1 (CTRL)	-0.89	-0.98	-0.88	-0.89	-1.01	-0.98	-0.89	-0.88	-0.88

<b>Bias on results</b>									
2 (ON)	-1.03	-1.44	-1.78	-2.04	-2.37	-2.76	-3.26	-3.29	-2.09
3 (ON)	-1.01	-1.34	-1.70	-2.01	-2.18	-2.60	-3.14	-3.14	-1.97
4 (ON)	-1.02	-1.23	-1.66	-1.90	-2.11	-2.54	-3.11	-3.07	-1.89
5 (ON)	-0.88	-1.18	-1.52	-1.86	-2.08	-2.43	-2.96	-2.90	-1.81
6 (ON)	-0.96	-1.29	-1.61	-1.89	-2.08	-2.53	-3.09	-3.09	-2.05
<b>Statistics bias on</b>									
min result	-1.03	-1.44	-1.78	-2.04	-2.37	-2.76	-3.26	-3.29	-2.09
max result	-0.88	-1.18	-1.52	-1.86	-2.08	-2.43	-2.96	-2.90	-1.81
average	-0.98	-1.30	-1.65	-1.94	-2.16	-2.57	-3.11	-3.10	-1.96
sigma	0.06	0.10	0.10	0.08	0.12	0.12	0.11	0.14	0.11

<b>Bias off results</b>									
7 (OFF)	-0.94	-1.05	-1.27	-1.56	-1.93	-2.84	-4.96	-4.91	-3.16
8 (OFF)	-1.01	-1.22	-1.49	-1.69	-2.10	-2.96	-5.05	-5.01	-3.54
9 (OFF)	-0.95	-1.15	-1.35	-1.58	-1.85	-2.76	-4.82	-4.75	-3.29
10 (OFF)	-0.96	-1.21	-1.41	-1.62	-1.96	-2.74	-4.79	-4.64	-3.45
11 (OFF)	-1.02	-1.26	-1.49	-1.66	-1.95	-2.74	-4.77	-4.69	-3.40
<b>Statistics bias off</b>									
min result	-1.02	-1.26	-1.49	-1.69	-2.10	-2.96	-5.05	-5.01	-3.54
max result	-0.94	-1.05	-1.27	-1.56	-1.85	-2.74	-4.77	-4.64	-3.16
average	-0.98	-1.18	-1.40	-1.62	-1.96	-2.81	-4.88	-4.80	-3.37
sigma	0.04	0.08	0.09	0.06	0.09	0.09	0.12	0.15	0.15



IIB+2 (CSA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-0.95	-1.34	-1.67	-1.96	-2.24	-2.54	-2.87	-2.82	-1.96
ELDR OFF	-0.97	-1.26	-1.63	-2.04	-2.55	-3.48	-5.81	-5.71	-3.78
LDR ON	-0.98	-1.30	-1.65	-1.94	-2.16	-2.57	-3.11	-3.10	-1.96
LDR OFF	-0.98	-1.18	-1.40	-1.62	-1.96	-2.81	-4.88	-4.80	-3.37

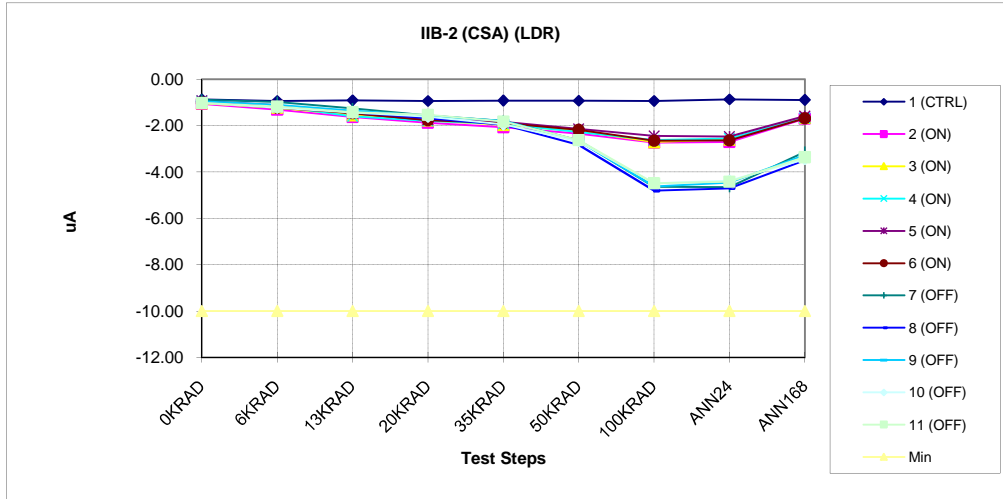


IIB-2 (CSA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	--	--	--	--	--	--	--	--	--
Unit	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
1 (CTRL)	-0.96	-0.98	-0.96	-0.94	-0.99	-0.96	-0.95	-0.98	-0.93

<b>Bias on results</b>									
2 (ON)	-0.93	-1.35	-1.64	-1.78	-2.06	-2.26	-2.48	-2.37	-1.61
3 (ON)	-1.03	-1.38	-1.66	-1.86	-2.04	-2.23	-2.45	-2.42	-1.73
4 (ON)	-0.98	-1.23	-1.57	-1.76	-1.97	-2.15	-2.36	-2.26	-1.68
5 (ON)	-0.91	-1.30	-1.50	-1.70	-1.85	-2.05	-2.16	-2.24	-1.64
6 (ON)	-1.02	-1.33	-1.62	-1.82	-1.99	-2.28	-2.39	-2.35	-1.73
<b>Statistics bias on</b>									
min result	-1.03	-1.38	-1.66	-1.86	-2.06	-2.28	-2.48	-2.42	-1.73
max result	-0.91	-1.23	-1.50	-1.70	-1.85	-2.05	-2.16	-2.24	-1.61
average	-0.97	-1.32	-1.60	-1.78	-1.98	-2.19	-2.37	-2.33	-1.68
sigma	0.05	0.06	0.06	0.06	0.08	0.09	0.12	0.08	0.05

<b>Bias off results</b>									
7 (OFF)	-0.99	-1.34	-1.70	-2.17	-2.69	-3.95	-6.07	-5.95	-3.94
8 (OFF)	-0.99	-1.31	-1.66	-2.04	-2.59	-3.66	-5.74	-5.68	-3.92
9 (OFF)	-0.95	-1.23	-1.54	-1.86	-2.30	-3.27	-5.29	-5.11	-3.52
10 (OFF)	-0.99	-1.23	-1.64	-1.97	-2.44	-3.48	-5.51	-5.44	-3.67
11 (OFF)	-0.91	-1.06	-1.36	-1.72	-2.19	-2.19	-4.94	-4.83	-3.19
<b>Statistics bias off</b>									
min result	-0.99	-1.34	-1.70	-2.17	-2.69	-3.95	-6.07	-5.95	-3.94
max result	-0.91	-1.06	-1.36	-1.72	-2.19	-2.19	-4.94	-4.83	-3.19
average	-0.96	-1.23	-1.58	-1.95	-2.44	-3.31	-5.51	-5.40	-3.65
sigma	0.04	0.11	0.14	0.17	0.20	0.67	0.43	0.44	0.31

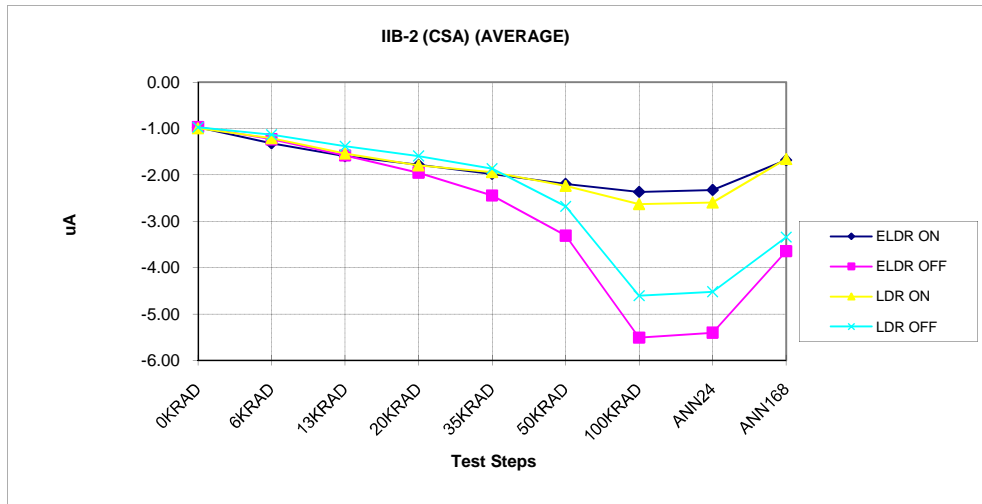




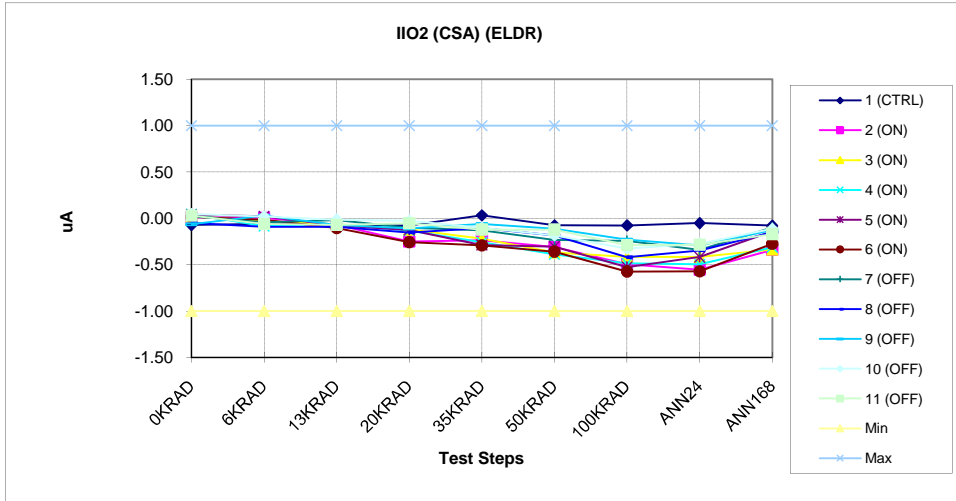
IIB-2 (CSA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	--	--	--	--	--	--	--	--	--
Unit	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
1 (CTRL)	-0.87	-0.94	-0.91	-0.94	-0.92	-0.93	-0.93	-0.87	-0.89

<b>Bias on results</b>									
2 (ON)	-1.06	-1.31	-1.62	-1.87	-2.07	-2.34	-2.73	-2.71	-1.69
3 (ON)	-1.03	-1.23	-1.55	-1.77	-1.96	-2.23	-2.71	-2.60	-1.66
4 (ON)	-0.94	-1.16	-1.59	-1.80	-1.92	-2.28	-2.62	-2.55	-1.67
5 (ON)	-0.93	-1.11	-1.48	-1.76	-1.84	-2.14	-2.44	-2.47	-1.58
6 (ON)	-1.00	-1.23	-1.46	-1.76	-1.90	-2.18	-2.65	-2.64	-1.68
<b>Statistics bias on</b>									
min result	-1.06	-1.31	-1.62	-1.87	-2.07	-2.34	-2.73	-2.71	-1.69
max result	-0.93	-1.11	-1.46	-1.76	-1.84	-2.14	-2.44	-2.47	-1.58
average	-0.99	-1.21	-1.54	-1.79	-1.94	-2.23	-2.63	-2.59	-1.66
sigma	0.05	0.08	0.07	0.05	0.09	0.08	0.12	0.09	0.04

<b>Bias off results</b>									
7 (OFF)	-0.88	-0.98	-1.26	-1.55	-1.79	-2.63	-4.63	-4.65	-3.13
8 (OFF)	-1.01	-1.16	-1.42	-1.68	-1.96	-2.83	-4.80	-4.70	-3.50
9 (OFF)	-0.95	-1.10	-1.35	-1.57	-1.79	-2.65	-4.62	-4.45	-3.28
10 (OFF)	-1.02	-1.23	-1.44	-1.62	-1.95	-2.67	-4.49	-4.38	-3.44
11 (OFF)	-1.02	-1.18	-1.42	-1.53	-1.82	-2.62	-4.49	-4.42	-3.36
<b>Statistics bias off</b>									
min result	-1.02	-1.23	-1.44	-1.68	-1.96	-2.83	-4.80	-4.70	-3.50
max result	-0.88	-0.98	-1.26	-1.53	-1.79	-2.62	-4.49	-4.38	-3.13
average	-0.97	-1.13	-1.38	-1.59	-1.86	-2.68	-4.61	-4.52	-3.34
sigma	0.06	0.09	0.08	0.06	0.09	0.08	0.13	0.15	0.14



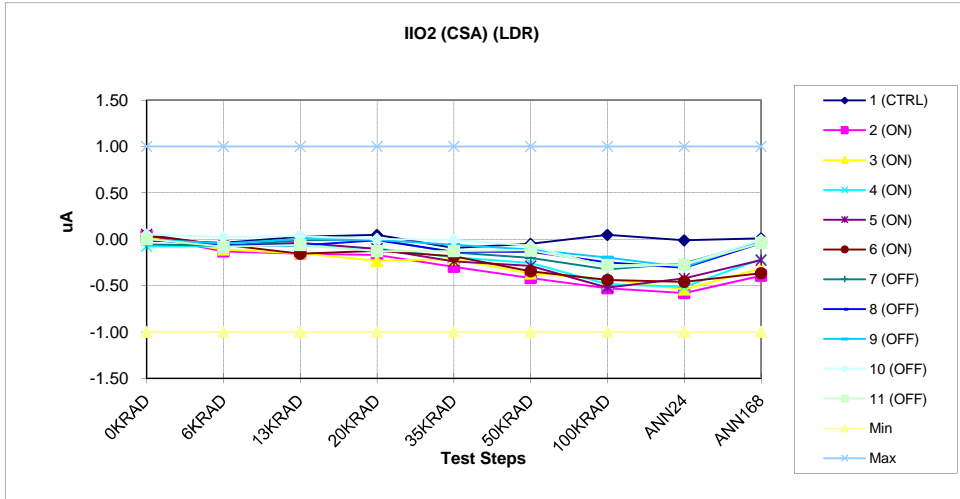
IIB-2 (CSA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-0.97	-1.32	-1.60	-1.78	-1.98	-2.19	-2.37	-2.33	-1.68
ELDR OFF	-0.96	-1.23	-1.58	-1.95	-2.44	-3.31	-5.51	-5.40	-3.65
LDR ON	-0.99	-1.21	-1.54	-1.79	-1.94	-2.23	-2.63	-2.59	-1.66
LDR OFF	-0.97	-1.13	-1.38	-1.59	-1.86	-2.68	-4.61	-4.52	-3.34



IIO2 (CSA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-1	-1	-1	-1	-1	-1	-1	-1	-1
Max	1	1	1	1	1	1	1	1	1
Unit	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
1 (CTRL)	-0.07	-0.06	-0.07	-0.08	0.03	-0.08	-0.08	-0.05	-0.08

<b>Bias on results</b>									
2 (ON)	0.01	0.00	-0.07	-0.25	-0.24	-0.31	-0.50	-0.55	-0.34
3 (ON)	0.02	-0.03	-0.06	-0.12	-0.22	-0.37	-0.42	-0.42	-0.34
4 (ON)	0.05	-0.08	-0.07	-0.13	-0.26	-0.39	-0.49	-0.50	-0.31
5 (ON)	0.04	0.02	-0.08	-0.13	-0.29	-0.30	-0.53	-0.42	-0.14
6 (ON)	0.02	-0.01	-0.11	-0.26	-0.29	-0.36	-0.57	-0.57	-0.28
<b>Statistics bias on</b>									
min result	0.01	-0.08	-0.11	-0.26	-0.29	-0.39	-0.57	-0.57	-0.34
max result	0.05	0.02	-0.06	-0.12	-0.22	-0.30	-0.42	-0.42	-0.14
average	0.03	-0.02	-0.08	-0.18	-0.26	-0.35	-0.50	-0.49	-0.28
sigma	0.02	0.04	0.02	0.07	0.03	0.04	0.06	0.07	0.08

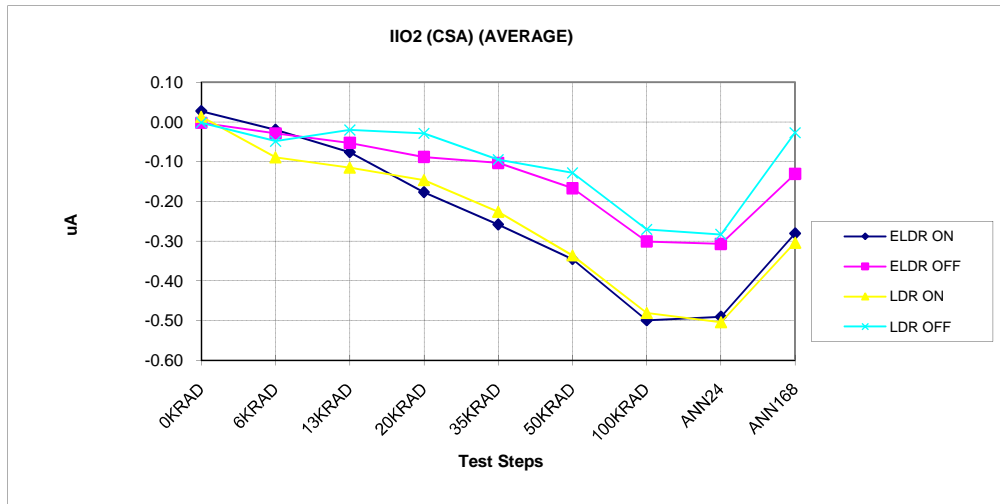
<b>Bias off results</b>									
7 (OFF)	0.02	-0.04	-0.02	-0.10	-0.13	-0.23	-0.24	-0.34	-0.10
8 (OFF)	-0.05	-0.09	-0.09	-0.15	-0.10	-0.18	-0.42	-0.35	-0.15
9 (OFF)	-0.06	0.03	-0.07	-0.11	-0.06	-0.11	-0.23	-0.29	-0.13
10 (OFF)	0.05	0.02	-0.02	-0.03	-0.10	-0.18	-0.33	-0.27	-0.11
11 (OFF)	0.03	-0.06	-0.07	-0.05	-0.12	-0.12	-0.29	-0.29	-0.17
<b>Statistics bias off</b>									
min result	-0.06	-0.09	-0.09	-0.15	-0.13	-0.23	-0.42	-0.35	-0.17
max result	0.05	0.03	-0.02	-0.03	-0.06	-0.11	-0.23	-0.27	-0.10
average	0.00	-0.03	-0.05	-0.09	-0.10	-0.17	-0.30	-0.31	-0.13
sigma	0.05	0.05	0.03	0.05	0.03	0.05	0.08	0.03	0.03



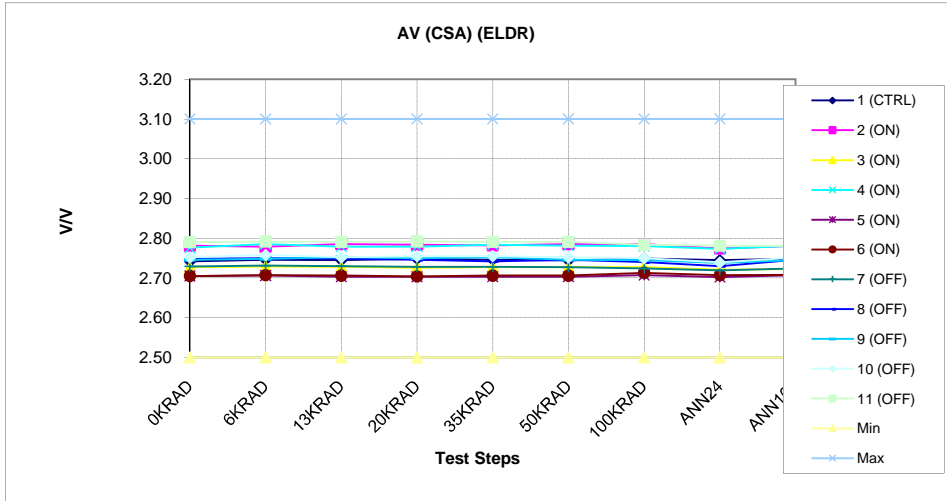
IIO2 (CSA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-1	-1	-1	-1	-1	-1	-1	-1	-1
Max	1	1	1	1	1	1	1	1	1
Unit	uA	uA	uA	uA	uA	uA	uA	uA	uA
<b>Control Results</b>									
1 (CTRL)	-0.02	-0.04	0.03	0.05	-0.09	-0.05	0.05	-0.01	0.01

<b>Bias on results</b>									
2 (ON)	0.03	-0.13	-0.16	-0.17	-0.30	-0.42	-0.53	-0.58	-0.39
3 (ON)	0.02	-0.11	-0.15	-0.23	-0.22	-0.37	-0.43	-0.54	-0.32
4 (ON)	-0.08	-0.07	-0.07	-0.10	-0.20	-0.26	-0.48	-0.52	-0.22
5 (ON)	0.05	-0.07	-0.04	-0.10	-0.24	-0.29	-0.52	-0.42	-0.23
6 (ON)	0.04	-0.06	-0.16	-0.13	-0.18	-0.35	-0.44	-0.46	-0.37
<b>Statistics bias on</b>									
min result	-0.08	-0.13	-0.16	-0.23	-0.30	-0.42	-0.53	-0.58	-0.39
max result	0.05	-0.06	-0.04	-0.10	-0.18	-0.26	-0.43	-0.42	-0.22
average	0.01	-0.09	-0.11	-0.15	-0.23	-0.34	-0.48	-0.50	-0.30
sigma	0.05	0.03	0.06	0.06	0.05	0.06	0.05	0.06	0.08

<b>Bias off results</b>									
7 (OFF)	-0.06	-0.07	-0.01	0.00	-0.14	-0.20	-0.33	-0.26	-0.03
8 (OFF)	0.00	-0.07	-0.07	-0.01	-0.14	-0.14	-0.25	-0.31	-0.04
9 (OFF)	0.00	-0.05	0.00	-0.01	-0.06	-0.11	-0.20	-0.30	-0.02
10 (OFF)	0.05	0.02	0.03	0.00	-0.01	-0.07	-0.30	-0.27	-0.01
11 (OFF)	0.00	-0.08	-0.06	-0.13	-0.13	-0.12	-0.28	-0.28	-0.04
<b>Statistics bias off</b>									
min result	-0.06	-0.08	-0.07	-0.13	-0.14	-0.20	-0.33	-0.31	-0.04
max result	0.05	0.02	0.03	0.00	-0.01	-0.07	-0.20	-0.26	-0.01
average	0.00	-0.05	-0.02	-0.03	-0.09	-0.13	-0.27	-0.28	-0.03
sigma	0.04	0.04	0.04	0.06	0.06	0.05	0.05	0.02	0.02



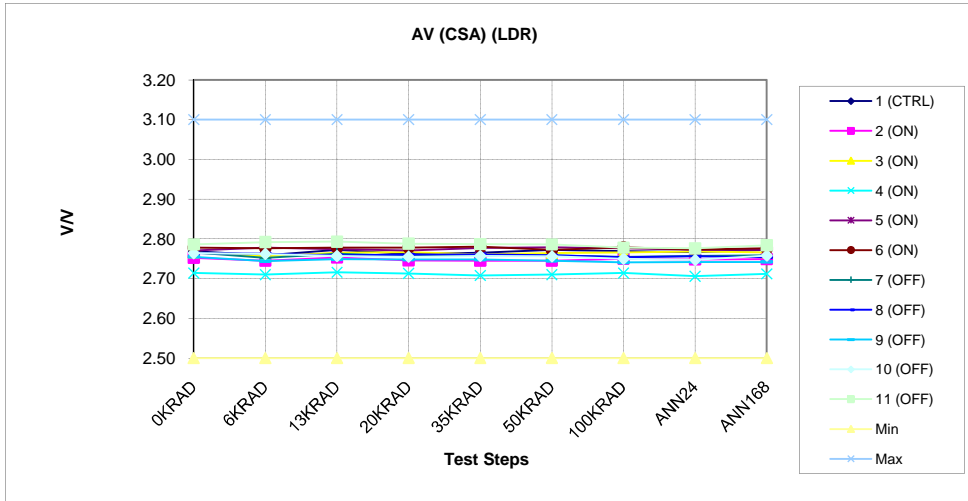
IIO2 (CSA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.03	-0.02	-0.08	-0.18	-0.26	-0.35	-0.50	-0.49	-0.28
ELDR OFF	0.00	-0.03	-0.05	-0.09	-0.10	-0.17	-0.30	-0.31	-0.13
LDR ON	0.01	-0.09	-0.11	-0.15	-0.23	-0.34	-0.48	-0.50	-0.30
LDR OFF	0.00	-0.05	-0.02	-0.03	-0.09	-0.13	-0.27	-0.28	-0.03



AV (CSA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Max	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Unit	V/V	V/V	V/V	V/V	V/V	V/V	V/V	V/V	V/V
Control Results									
1 (CTRL)	2.74	2.75	2.75	2.75	2.75	2.74	2.75	2.75	2.75

Bias on results									
2 (ON)	2.78	2.78	2.79	2.78	2.78	2.79	2.79	2.77	2.78
3 (ON)	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.72	2.72
4 (ON)	2.78	2.79	2.78	2.78	2.78	2.78	2.78	2.77	2.78
5 (ON)	2.71	2.71	2.70	2.70	2.70	2.70	2.71	2.70	2.71
6 (ON)	2.71	2.71	2.71	2.70	2.71	2.71	2.71	2.71	2.71
Statistics bias on									
min result	2.71	2.71	2.70	2.70	2.70	2.70	2.71	2.70	2.71
max result	2.78	2.79	2.79	2.78	2.78	2.79	2.79	2.77	2.78
average	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74
sigma	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

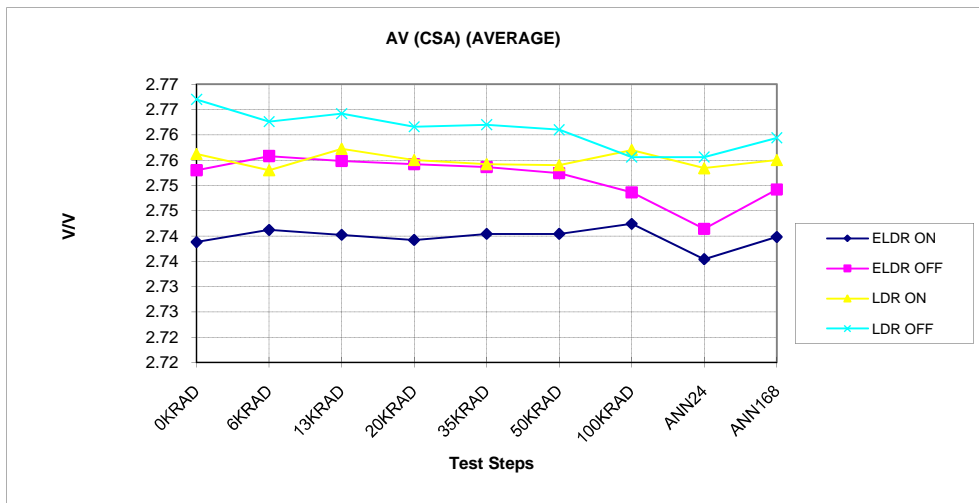
Bias off results									
7 (OFF)	2.73	2.73	2.73	2.73	2.73	2.73	2.72	2.72	2.72
8 (OFF)	2.75	2.75	2.75	2.75	2.74	2.75	2.74	2.73	2.75
9 (OFF)	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.74	2.75
10 (OFF)	2.75	2.76	2.75	2.76	2.76	2.75	2.75	2.74	2.75
11 (OFF)	2.79	2.79	2.79	2.79	2.79	2.79	2.78	2.78	2.78
Statistics bias off									
min result	2.73	2.73	2.73	2.73	2.73	2.73	2.72	2.72	2.72
max result	2.79	2.79	2.79	2.79	2.79	2.79	2.78	2.78	2.78
average	2.75	2.76	2.75	2.75	2.75	2.75	2.75	2.74	2.75
sigma	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02



AV (CSA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Max	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Unit	V/V	V/V	V/V	V/V	V/V	V/V	V/V	V/V	V/V
<b>Control Results</b>									
1 (CTRL)	2.77	2.76	2.77	2.76	2.77	2.77	2.77	2.77	2.77

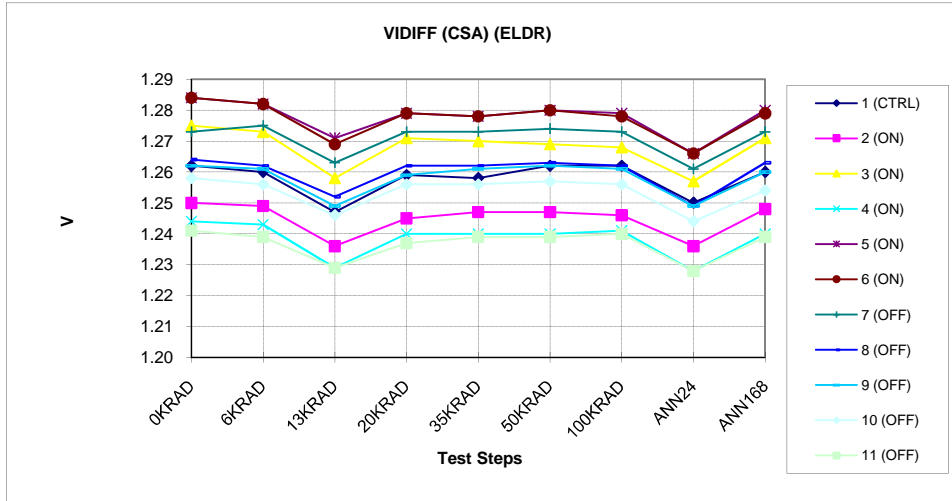
<b>Bias on results</b>									
2 (ON)	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
3 (ON)	2.77	2.76	2.77	2.77	2.76	2.76	2.77	2.77	2.77
4 (ON)	2.71	2.71	2.72	2.71	2.71	2.71	2.71	2.71	2.71
5 (ON)	2.77	2.78	2.77	2.77	2.78	2.78	2.78	2.77	2.77
6 (ON)	2.78	2.78	2.78	2.78	2.78	2.77	2.78	2.77	2.78
<b>Statistics bias on</b>									
min result	2.71	2.71	2.72	2.71	2.71	2.71	2.71	2.71	2.71
max result	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.77	2.78
average	2.76	2.75	2.76	2.76	2.75	2.75	2.76	2.75	2.76
sigma	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03

<b>Bias off results</b>									
7 (OFF)	2.77	2.75	2.76	2.76	2.76	2.76	2.76	2.76	2.76
8 (OFF)	2.76	2.76	2.76	2.76	2.76	2.76	2.75	2.76	2.75
9 (OFF)	2.76	2.74	2.75	2.75	2.75	2.75	2.74	2.74	2.74
10 (OFF)	2.76	2.76	2.76	2.76	2.76	2.76	2.75	2.75	2.76
11 (OFF)	2.79	2.79	2.79	2.79	2.79	2.79	2.78	2.78	2.78
<b>Statistics bias off</b>									
min result	2.76	2.74	2.75	2.75	2.75	2.75	2.74	2.74	2.74
max result	2.79	2.79	2.79	2.79	2.79	2.79	2.78	2.78	2.78
average	2.77	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
sigma	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.02



AV (CSA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74
ELDR OFF	2.75	2.76	2.75	2.75	2.75	2.75	2.75	2.74	2.75
LDR ON	2.76	2.75	2.76	2.76	2.75	2.75	2.76	2.75	2.76
LDR OFF	2.77	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76

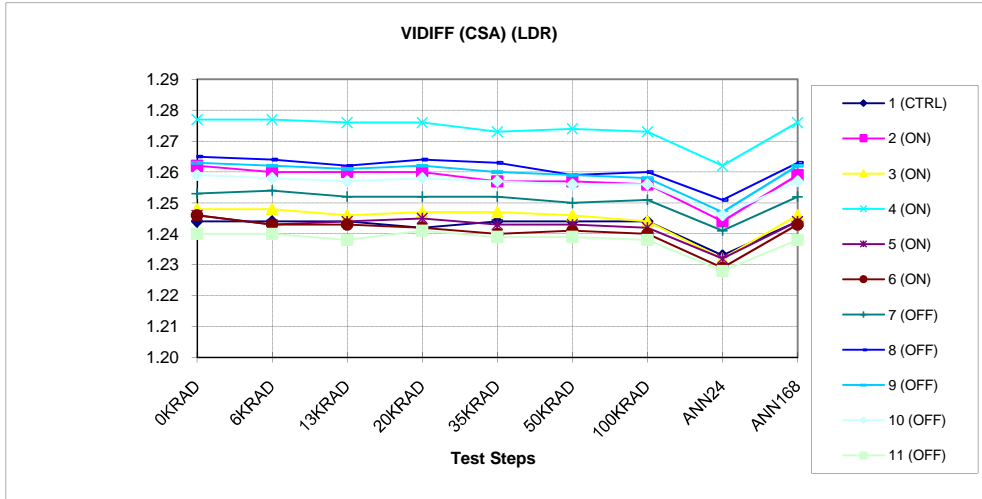




VIDIFF (CSA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	1.26	1.26	1.25	1.26	1.26	1.26	1.26	1.25	1.26

<b>Bias on results</b>									
2 (ON)	1.25	1.25	1.24	1.25	1.25	1.25	1.25	1.24	1.25
3 (ON)	1.28	1.27	1.26	1.27	1.27	1.27	1.27	1.26	1.27
4 (ON)	1.24	1.24	1.23	1.24	1.24	1.24	1.24	1.23	1.24
5 (ON)	1.28	1.28	1.27	1.28	1.28	1.28	1.28	1.27	1.28
6 (ON)	1.28	1.28	1.27	1.28	1.28	1.28	1.28	1.27	1.28
<b>Statistics bias on</b>									
min result	1.24	1.24	1.23	1.24	1.24	1.24	1.24	1.23	1.24
max result	1.28	1.28	1.27	1.28	1.28	1.28	1.28	1.27	1.28
average	1.27	1.27	1.25	1.26	1.26	1.26	1.26	1.25	1.26
sigma	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

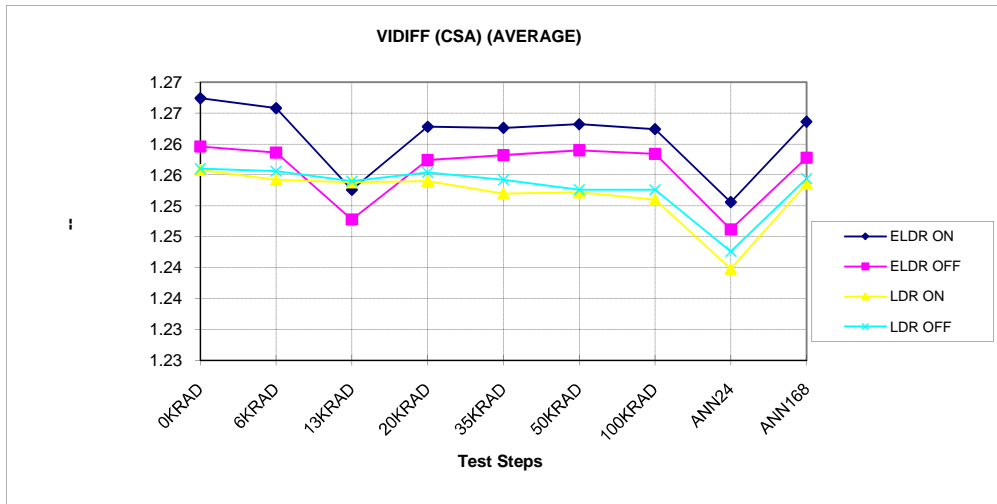
<b>Bias off results</b>									
7 (OFF)	1.27	1.28	1.26	1.27	1.27	1.27	1.27	1.26	1.27
8 (OFF)	1.26	1.26	1.25	1.26	1.26	1.26	1.26	1.25	1.26
9 (OFF)	1.26	1.26	1.25	1.26	1.26	1.26	1.26	1.25	1.26
10 (OFF)	1.26	1.26	1.25	1.26	1.26	1.26	1.26	1.24	1.25
11 (OFF)	1.24	1.24	1.23	1.24	1.24	1.24	1.24	1.23	1.24
<b>Statistics bias off</b>									
min result	1.24	1.24	1.23	1.24	1.24	1.24	1.24	1.23	1.24
max result	1.27	1.28	1.26	1.27	1.27	1.27	1.27	1.26	1.27
average	1.26	1.26	1.25	1.26	1.26	1.26	1.26	1.25	1.26
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



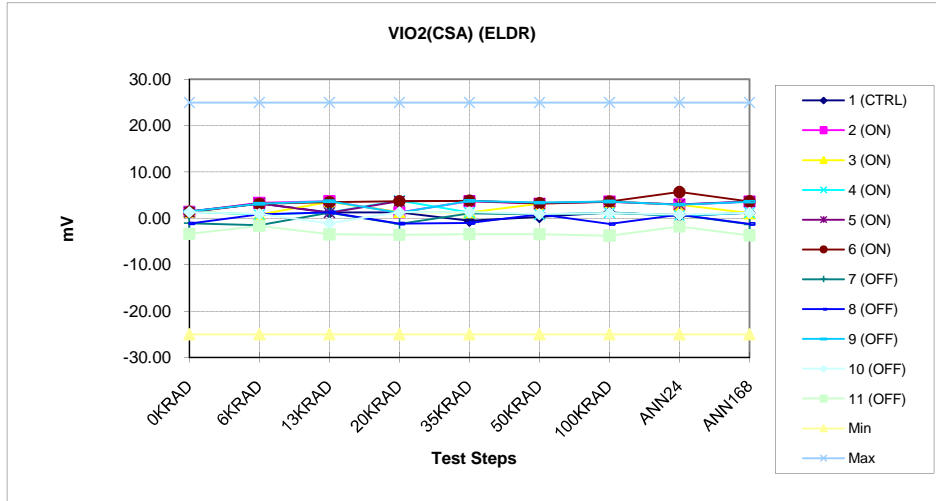
VIDIFF (CSA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
<b>Control Results</b>									
1 (CTRL)	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.23	1.24

<b>Bias on results</b>									
2 (ON)	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.24	1.26
3 (ON)	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.24	1.25
4 (ON)	1.28	1.28	1.28	1.28	1.27	1.27	1.27	1.26	1.28
5 (ON)	1.25	1.24	1.24	1.25	1.24	1.24	1.24	1.23	1.24
6 (ON)	1.25	1.24	1.24	1.24	1.24	1.24	1.24	1.23	1.24
<b>Statistics bias on</b>									
min result	1.25	1.24	1.24	1.24	1.24	1.24	1.24	1.23	1.24
max result	1.28	1.28	1.28	1.28	1.27	1.27	1.27	1.26	1.28
average	1.26	1.25	1.25	1.25	1.25	1.25	1.25	1.24	1.25
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

<b>Bias off results</b>									
7 (OFF)	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.24	1.25
8 (OFF)	1.27	1.26	1.26	1.26	1.26	1.26	1.26	1.25	1.26
9 (OFF)	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.25	1.26
10 (OFF)	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.25	1.26
11 (OFF)	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.23	1.24
<b>Statistics bias off</b>									
min result	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.23	1.24
max result	1.27	1.26	1.26	1.26	1.26	1.26	1.26	1.25	1.26
average	1.26	1.26	1.25	1.26	1.25	1.25	1.25	1.24	1.25
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



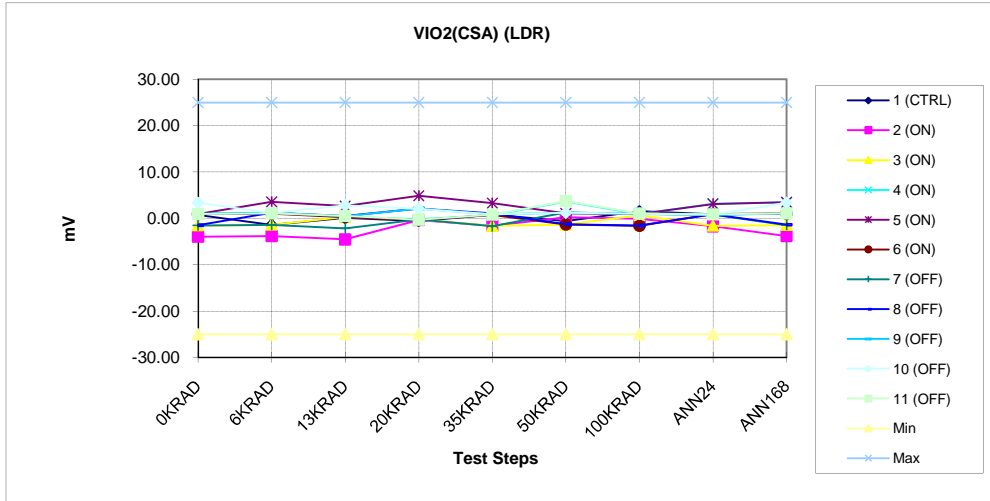
VIDIFF (CSA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.27	1.27	1.25	1.26	1.26	1.26	1.26	1.25	1.26
ELDR OFF	1.26	1.26	1.25	1.26	1.26	1.26	1.26	1.25	1.26
LDR ON	1.26	1.25	1.25	1.25	1.25	1.25	1.25	1.24	1.25
LDR OFF	1.26	1.26	1.25	1.26	1.25	1.25	1.25	1.24	1.25



VIO2(CSA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-25	-25	-25	-25	-25	-25	-25	-25	-25
Max	25	25	25	25	25	25	25	25	25
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
1 (CTRL)	1.47	3.19	1.27	1.29	-0.50	0.29	1.26	0.55	1.20

<b>Bias on results</b>									
2 (ON)	1.44	3.34	3.69	1.29	3.73	3.17	3.65	2.98	3.62
3 (ON)	1.47	0.84	3.60	1.35	1.32	3.16	3.61	2.96	1.13
4 (ON)	1.41	0.80	1.30	3.82	1.26	0.83	1.21	0.62	1.24
5 (ON)	1.38	3.23	1.23	3.69	3.76	3.20	3.59	2.99	3.63
6 (ON)	1.44	3.16	3.49	3.70	3.80	3.29	3.65	5.68	3.66
<b>Statistics bias on</b>									
min result	1.38	0.80	1.23	1.29	1.26	0.83	1.21	0.62	1.13
max result	1.47	3.34	3.69	3.82	3.80	3.29	3.65	5.68	3.66
average	1.43	2.27	2.66	2.77	2.77	2.73	3.14	3.04	2.65
sigma	0.03	1.33	1.27	1.32	1.36	1.06	1.08	1.79	1.34

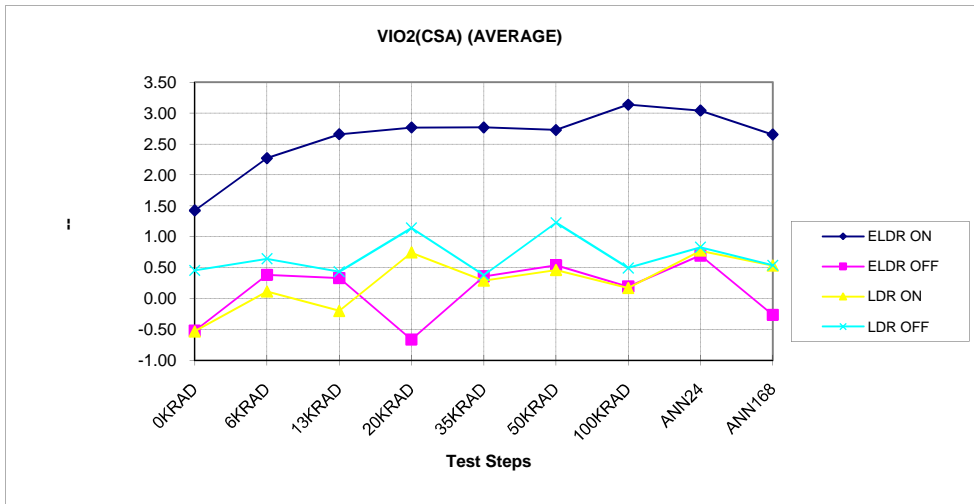
<b>Bias off results</b>									
7 (OFF)	-1.04	-1.47	1.21	-1.19	1.11	0.88	1.13	0.72	-1.27
8 (OFF)	-1.10	0.90	1.29	-1.14	-1.01	0.89	-1.24	0.78	-1.21
9 (OFF)	1.52	3.16	3.69	1.25	3.75	3.40	3.66	2.97	3.60
10 (OFF)	1.38	0.93	-1.09	1.33	1.33	0.92	1.16	0.77	1.21
11 (OFF)	-3.36	-1.61	-3.45	-3.56	-3.39	-3.39	-3.73	-1.75	-3.66
<b>Statistics bias off</b>									
min result	-3.36	-1.61	-3.45	-3.56	-3.39	-3.39	-3.73	-1.75	-3.66
max result	1.52	3.16	3.69	1.33	3.75	3.40	3.66	2.97	3.60
average	-0.52	0.38	0.33	-0.66	0.36	0.54	0.19	0.70	-0.27
sigma	2.02	1.98	2.70	2.03	2.69	2.45	2.79	1.67	2.76



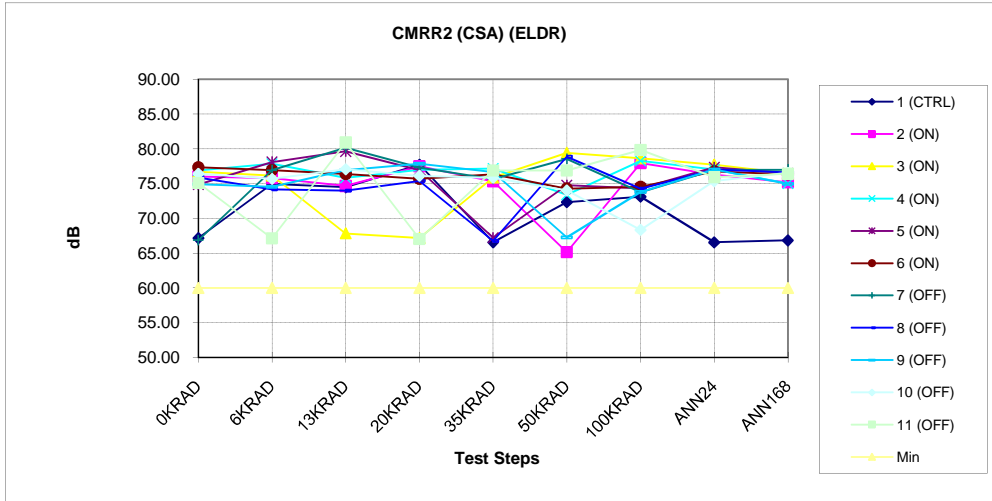
VIO2(CSA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-25	-25	-25	-25	-25	-25	-25	-25	-25
Max	25	25	25	25	25	25	25	25	25
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
<b>Control Results</b>									
1 (CTRL)	0.77	-1.39	0.09	-0.56	0.82	-0.55	1.57	0.86	1.01

<b>Bias on results</b>									
2 (ON)	-3.95	-3.81	-4.55	-0.36	-1.59	0.26	-0.09	-1.72	-3.84
3 (ON)	-1.52	-1.38	0.33	-0.23	-1.64	-1.35	0.70	-1.59	-1.45
4 (ON)	0.96	1.16	0.34	-0.18	0.69	3.62	0.92	3.15	3.44
5 (ON)	0.92	3.59	2.64	4.88	3.28	1.08	0.93	3.11	3.47
6 (ON)	0.93	1.02	0.25	-0.39	0.72	-1.31	-1.60	0.91	1.05
<b>Statistics bias on</b>									
min result	-3.95	-3.81	-4.55	-0.39	-1.64	-1.35	-1.60	-1.72	-3.84
max result	0.96	3.59	2.64	4.88	3.28	3.62	0.93	3.15	3.47
average	-0.53	0.12	-0.20	0.74	0.29	0.46	0.17	0.77	0.53
sigma	2.18	2.81	2.63	2.31	2.03	2.05	1.07	2.39	3.18

<b>Bias off results</b>									
7 (OFF)	-1.52	-1.44	-2.17	-0.25	-1.71	1.29	0.95	0.83	-1.45
8 (OFF)	-1.50	1.21	0.50	2.11	1.05	-1.25	-1.54	0.86	-1.37
9 (OFF)	1.00	1.23	0.49	2.10	0.86	1.20	1.02	0.77	1.06
10 (OFF)	3.33	1.17	2.82	2.03	0.87	1.19	0.98	0.81	3.38
11 (OFF)	0.96	1.06	0.54	-0.28	0.82	3.71	1.06	0.89	1.07
<b>Statistics bias off</b>									
min result	-1.52	-1.44	-2.17	-0.28	-1.71	-1.25	-1.54	0.77	-1.45
max result	3.33	1.23	2.82	2.11	1.05	3.71	1.06	0.89	3.38
average	0.45	0.64	0.43	1.14	0.38	1.23	0.50	0.83	0.54
sigma	2.03	1.17	1.76	1.28	1.17	1.75	1.14	0.05	2.01



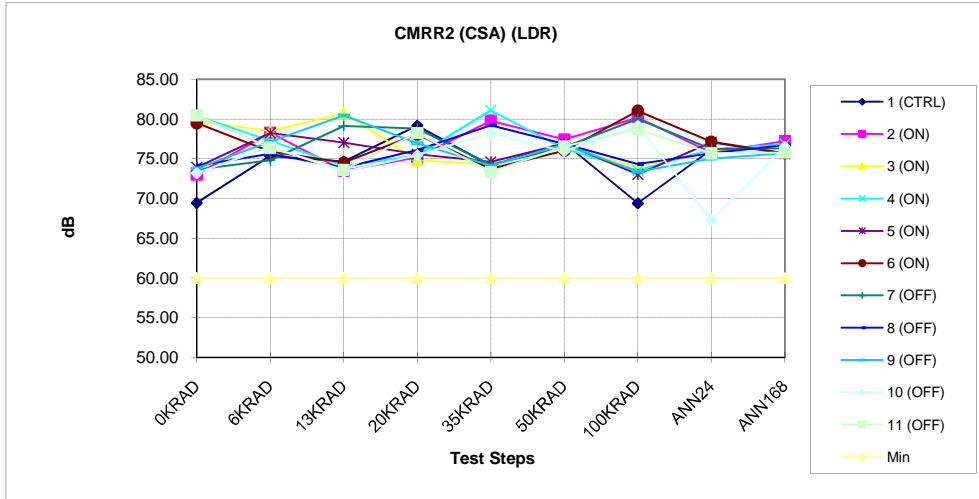
VIO2(CSA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.43	2.27	2.66	2.77	2.77	2.73	3.14	3.04	2.65
ELDR OFF	-0.52	0.38	0.33	-0.66	0.36	0.54	0.19	0.70	-0.27
LDR ON	-0.53	0.12	-0.20	0.74	0.29	0.46	0.17	0.77	0.53
LDR OFF	0.45	0.64	0.43	1.14	0.38	1.23	0.50	0.83	0.54



CMRR2 (CSA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	60	60	60	60	60	60	60	60	60
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
<b>Control Results</b>									
1 (CTRL)	67.18	74.96	74.48	77.72	66.58	72.35	73.13	66.56	66.84

<b>Bias on results</b>									
2 (ON)	76.02	75.78	74.66	77.47	75.33	65.13	77.93	76.30	75.20
3 (ON)	76.70	76.16	67.84	67.17	75.88	79.42	78.65	77.72	76.48
4 (ON)	76.89	77.85	75.85	76.96	77.16	73.38	78.28	77.04	75.02
5 (ON)	74.86	78.11	79.63	76.92	67.23	74.78	74.31	77.35	76.48
6 (ON)	77.35	76.92	76.37	75.68	76.34	74.28	74.54	76.74	76.34
<b>Statistics bias on</b>									
min result	74.86	75.78	67.84	67.17	67.23	65.13	74.31	76.30	75.02
max result	77.35	78.11	79.63	77.47	77.16	79.42	78.65	77.72	76.48
average	76.36	76.96	74.87	74.84	74.39	73.40	76.74	77.03	75.90
sigma	0.97	1.02	4.34	4.34	4.06	5.18	2.13	0.55	0.73

<b>Bias off results</b>									
7 (OFF)	66.85	76.92	80.16	77.31	75.65	78.55	73.74	76.96	77.00
8 (OFF)	75.88	74.17	73.98	75.36	66.77	78.88	74.28	77.04	76.62
9 (OFF)	74.90	74.54	76.92	77.85	76.66	67.28	73.79	77.04	74.96
10 (OFF)	76.44	75.68	77.08	76.12	75.85	74.03	68.35	75.36	76.55
11 (OFF)	75.08	67.12	80.92	67.05	76.89	76.89	79.84	75.92	76.41
<b>Statistics bias off</b>									
min result	66.85	67.12	73.98	67.05	66.77	67.28	68.35	75.36	74.96
max result	76.44	76.92	80.92	77.85	76.89	78.88	79.84	77.04	77.00
average	73.83	73.69	77.81	74.74	74.36	75.13	74.00	76.46	76.31
sigma	3.95	3.83	2.79	4.41	4.28	4.79	4.07	0.78	0.79

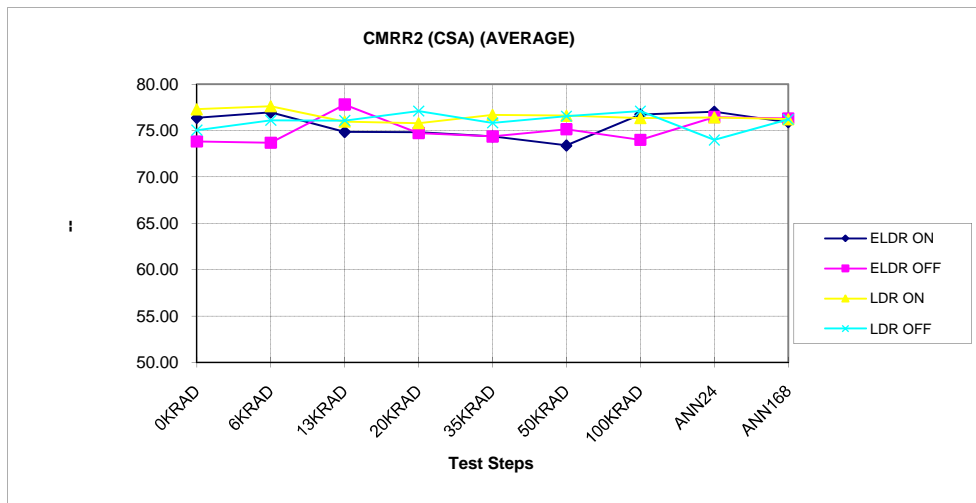


CMRR2 (CSA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	60	60	60	60	60	60	60	60	60
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
<b>Control Results</b>									
1 (CTRL)	69.45	75.33	74.66	79.17	74.14	77.00	69.40	76.16	76.81

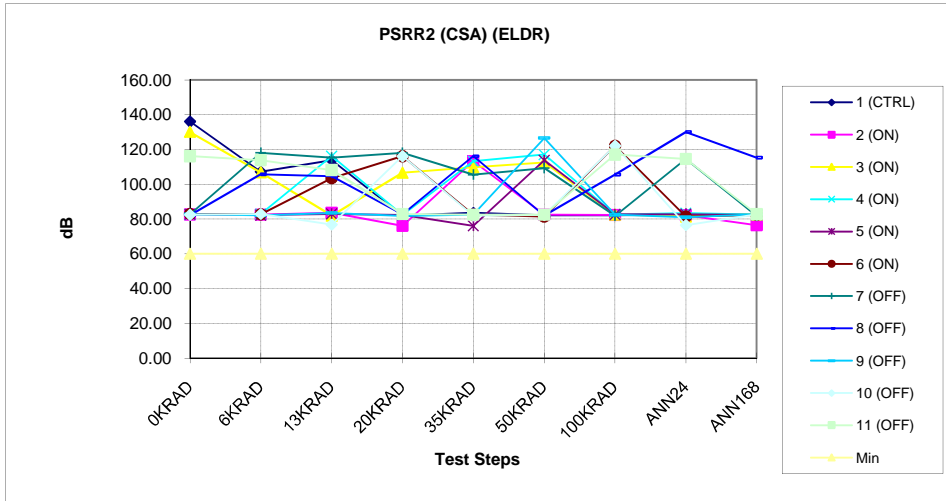
<b>Bias on results</b>									
2 (ON)	73.01	78.28	73.50	75.17	79.79	77.43	80.16	75.78	77.23
3 (ON)	79.73	78.46	80.74	74.81	74.26	76.44	74.01	75.95	75.78
4 (ON)	80.39	77.27	74.09	75.42	81.10	76.26	73.53	76.19	76.85
5 (ON)	73.93	78.24	77.04	75.59	74.63	76.92	73.03	77.08	75.62
6 (ON)	79.47	75.88	74.54	78.06	73.71	76.02	81.04	77.16	75.72
<b>Statistics bias on</b>									
min result	73.01	75.88	73.50	74.81	73.71	76.02	73.03	75.78	75.62
max result	80.39	78.46	80.74	78.06	81.10	77.43	81.04	77.16	77.23
average	77.31	77.63	75.98	75.81	76.70	76.62	76.35	76.43	76.24
sigma	3.54	1.08	2.98	1.29	3.47	0.56	3.90	0.64	0.75

<b>Bias off results</b>									
7 (OFF)	73.66	74.83	79.12	78.79	74.26	76.48	80.00	76.23	76.30
8 (OFF)	74.14	75.62	73.90	76.09	79.22	76.89	74.34	75.72	76.70
9 (OFF)	73.79	77.16	80.45	76.96	74.12	76.85	73.38	75.02	75.72
10 (OFF)	73.20	76.51	73.35	75.46	78.24	75.95	79.12	67.27	76.51
11 (OFF)	80.45	76.37	73.61	78.24	73.33	76.55	78.74	75.68	75.78
<b>Statistics bias off</b>									
min result	73.20	74.83	73.35	75.46	73.33	75.95	73.38	67.27	75.72
max result	80.45	77.16	80.45	78.79	79.22	76.89	80.00	76.23	76.70
average	75.05	76.10	76.09	77.11	75.83	76.54	77.12	73.98	76.20
sigma	3.04	0.89	3.41	1.40	2.69	0.38	3.03	3.78	0.44





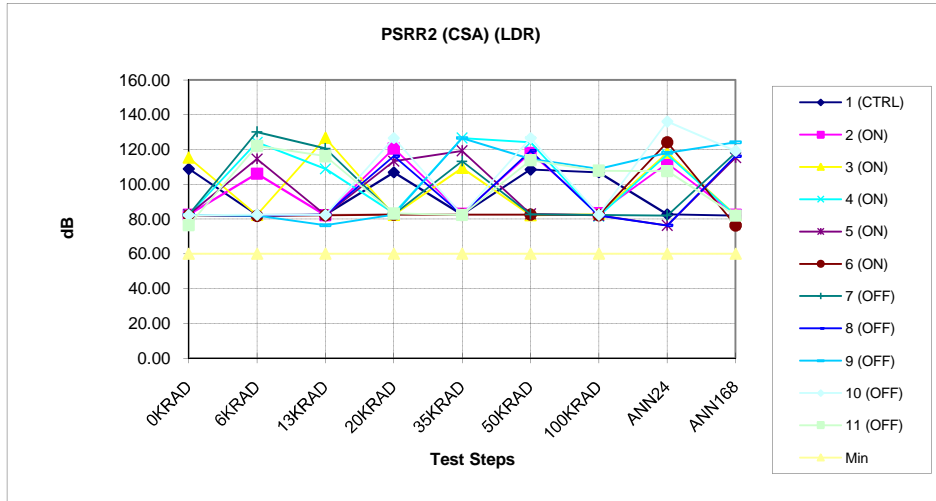
CMRR2 (CSA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	76.36	76.96	74.87	74.84	74.39	73.40	76.74	77.03	75.90
ELDR OFF	73.83	73.69	77.81	74.74	74.36	75.13	74.00	76.46	76.31
LDR ON	77.31	77.63	75.98	75.81	76.70	76.62	76.35	76.43	76.24
LDR OFF	75.05	76.10	76.09	77.11	75.83	76.54	77.12	73.98	76.20



PSRR2 (CSA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	60	60	60	60	60	60	60	60	60
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
<b>Control Results</b>									
1 (CTRL)	136.12	107.18	113.85	81.97	83.54	82.06	82.14	82.63	82.45

<b>Bias on results</b>									
2 (ON)	82.61	82.48	83.64	76.14	113.20	82.46	82.36	82.14	76.45
3 (ON)	130.10	106.88	81.99	106.58	109.68	112.60	82.59	81.51	82.61
4 (ON)	82.59	82.81	116.12	82.34	113.20	117.04	82.59	83.37	82.45
5 (ON)	82.65	82.23	82.94	82.34	76.03	113.85	82.61	82.76	82.34
6 (ON)	82.91	82.74	103.45	116.12	82.55	81.43	122.14	81.40	82.32
<b>Statistics bias on</b>									
min result	82.59	82.23	81.99	76.14	76.03	81.43	82.36	81.40	76.45
max result	130.10	106.88	116.12	116.12	113.20	117.04	122.14	83.37	82.61
average	92.17	87.43	93.63	92.70	98.93	101.48	90.46	82.24	81.23
sigma	21.21	10.87	15.43	17.54	18.14	17.91	17.71	0.84	2.68

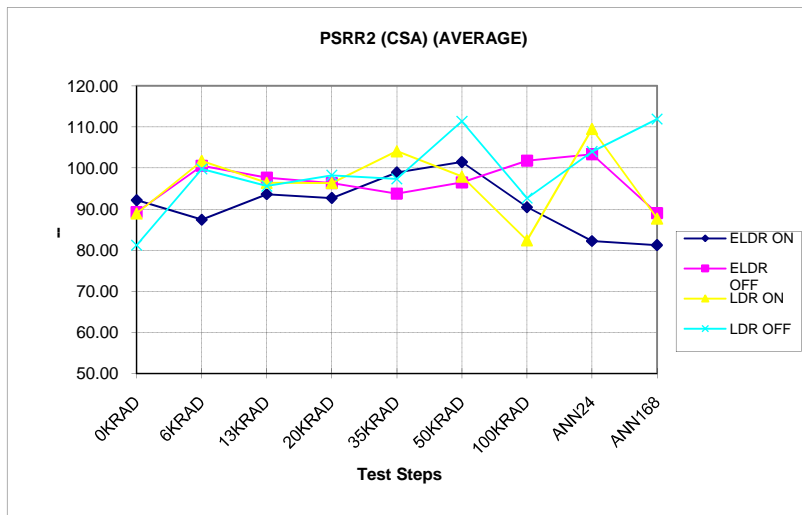
<b>Bias off results</b>									
7 (OFF)	82.76	118.06	115.30	118.06	105.49	109.28	81.79	114.54	81.74
8 (OFF)	82.14	105.75	104.53	82.66	116.12	81.90	105.49	130.10	115.30
9 (OFF)	82.66	82.16	83.52	81.85	82.54	126.58	82.45	81.08	82.61
10 (OFF)	82.46	82.91	76.81	116.12	82.01	82.25	122.14	76.47	82.65
11 (OFF)	116.12	113.85	108.17	82.89	82.55	82.55	117.04	114.54	82.81
<b>Statistics bias off</b>									
min result	82.14	82.16	76.81	81.85	82.01	81.90	81.79	76.47	81.74
max result	116.12	118.06	115.30	118.06	116.12	126.58	122.14	130.10	115.30
average	89.23	100.55	97.66	96.32	93.74	96.51	101.78	103.35	89.02
sigma	15.04	17.03	16.61	18.98	16.03	20.49	18.94	23.37	14.69



PSRR2 (CSA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	60	60	60	60	60	60	60	60	60
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
<b>Control Results</b>									
1 (CTRL)	108.89	82.23	82.50	106.88	82.57	108.52	106.88	82.72	82.01

<b>Bias on results</b>									
2 (ON)	82.55	106.02	82.13	120.56	83.00	118.06	83.39	112.04	82.52
3 (ON)	115.30	82.27	126.58	82.25	109.28	82.11	82.76	118.06	82.36
4 (ON)	82.28	124.08	108.89	83.18	126.58	124.08	81.64	117.04	82.13
5 (ON)	82.50	114.54	82.34	113.20	119.22	82.96	82.08	76.31	115.30
6 (ON)	82.14	81.80	82.11	82.48	82.45	82.55	82.25	124.08	76.36
<b>Statistics bias on</b>									
min result	82.14	81.80	82.11	82.25	82.45	82.11	81.64	76.31	76.36
max result	115.30	124.08	126.58	120.56	126.58	124.08	83.39	124.08	115.30
average	88.96	101.74	96.41	96.33	104.11	97.95	82.42	109.51	87.73
sigma	14.73	19.09	20.45	18.94	20.46	21.21	0.67	19.05	15.63

<b>Bias off results</b>									
7 (OFF)	82.57	130.10	120.56	82.74	113.20	82.66	82.28	82.02	118.06
8 (OFF)	82.37	81.99	82.46	116.12	82.46	119.22	81.94	76.32	116.12
9 (OFF)	82.39	82.04	76.49	82.57	126.58	114.54	108.89	118.06	124.08
10 (OFF)	82.21	82.43	82.37	126.58	82.30	126.58	82.48	136.12	119.22
11 (OFF)	76.46	122.14	116.12	83.18	82.30	113.85	107.82	107.50	81.97
<b>Statistics bias off</b>									
min result	76.46	81.99	76.49	82.57	82.30	82.66	81.94	76.32	81.97
max result	82.57	130.10	120.56	126.58	126.58	126.58	108.89	136.12	124.08
average	81.20	99.74	95.60	98.24	97.37	111.37	92.68	104.00	111.89
sigma	2.65	24.25	20.96	21.42	21.10	16.83	14.31	24.96	16.98



PSRR2 (CSA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	92.17	87.43	93.63	92.70	98.93	101.48	90.46	82.24	81.23
ELDR OFF	89.23	100.55	97.66	96.32	93.74	96.51	101.78	103.35	89.02
LDR ON	88.96	101.74	96.41	96.33	104.11	97.95	82.42	109.51	87.73
LDR OFF	81.20	99.74	95.60	98.24	97.37	111.37	92.68	104.00	111.89



**TOTAL DOSE RADIATION  
TEST REPORT  
No. ATN-RR-010/2012**

**Issue: 2/Rev:**

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**Date: 2012/11/12**

**R.L: 2011902927/2011902949**

## **ANNEX II DOSIMETRY**



5	17/02/2012 13:33	17/02/2012 15:33	0.82	0.41
6	17/02/2012 15:42	20/02/2012 09:08	27.02	0.41
7	20/02/2012 09:18	20/02/2012 11:11	0.78	0.41
8	20/02/2012 11:23	20/02/2012 13:49	1.00	0.41
9	20/02/2012 13:55	20/02/2012 15:16	0.55	0.41
10	20/02/2012 15:21	21/02/2012 09:36	7.47	0.41
11	21/02/2012 09:43	21/02/2012 10:58	0.52	0.41
12	21/02/2012 11:02	21/02/2012 14:00	1.22	0.41
13	21/02/2012 14:16	21/02/2012 16:14		
14	21/02/2012 16:35	22/02/2012 13:18	8.54	0.41
15	22/02/2012 13:28	22/02/2012 15:09	0.69	0.41
16	22/02/2012 15:17	23/02/2012 09:18	7.43	0.41
17	23/02/2012 09:25	23/02/2012 10:20	0.38	0.41
18	23/02/2012 11:09	24/02/2012 18:31	12.94	0.41
19	24/02/2012 18:33	27/02/2012 08:33	25.58	0.41
20	27/02/2012 08:47	27/02/2012 10:06	0.49	0.37
21	27/02/2012 10:12	27/02/2012 11:09	0.36	0.38
22	27/02/2012 11:11	27/02/2012 13:07	0.73	0.38
23	27/02/2012 13:10	27/02/2012 15:12	0.77	0.38
24	27/02/2012 15:16	27/02/2012 16:28	0.46	0.38
25	27/02/2012 16:31	28/02/2012 13:00	8.44	0.41
26	28/02/2012 13:10	28/02/2012 16:33	1.33	0.39
27	28/02/2012 16:36	28/02/2012 19:40	1.21	0.39
28	28/02/2012 19:42	29/02/2012 08:44	5.13	0.39
29	29/02/2012 08:48	29/02/2012 13:16	1.83	0.41
30	29/02/2012 13:18	29/02/2012 14:53	0.65	0.41
31	29/02/2012 15:06	29/02/2012 16:50		
32	29/02/2012 17:10	01/03/2012 08:36	6.30	0.41
33	01/03/2012 09:08	01/03/2012 14:03	2.01	0.41
34	01/03/2012 14:15	01/03/2012 16:29	0.92	0.41
35	01/03/2012 16:32	02/03/2012 08:50	6.70	0.41
36	02/03/2012 08:58	02/03/2012 17:29	3.53	0.41
37	02/03/2012 17:47	06/03/2012 09:02	37.75	0.43
38	06/03/2012 09:14	06/03/2012 09:15	0.00	0.31
39	06/03/2012 09:18	06/03/2012 10:36	0.51	0.39
40	06/03/2012 10:39	06/03/2012 11:44	0.43	0.40
41	06/03/2012 11:47	06/03/2012 13:56	0.85	0.39
42	06/03/2012 13:59	06/03/2012 14:49	0.33	0.39

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43	06/03/2012 14:52	06/03/2012 16:29	0.64	0.39
44	06/03/2012 16:35	06/03/2012 18:30	0.76	0.40
45	06/03/2012 18:33	07/03/2012 08:57	5.68	0.39
46	07/03/2012 09:01	07/03/2012 10:16	0.51	0.41
47	07/03/2012 10:23	08/03/2012 08:56	9.23	0.41
48	08/03/2012 09:06	08/03/2012 14:16	2.00	0.39
49	08/03/2012 14:29	08/03/2012 16:10		
50	08/03/2012 16:27	09/03/2012 09:19	6.90	0.41
51	09/03/2012 09:22	09/03/2012 11:40	0.94	0.41
52	09/03/2012 11:42	12/03/2012 13:22	30.14	0.41
53	12/03/2012 13:25	12/03/2012 15:53	1.01	0.41
54	12/03/2012 15:55	13/03/2012 09:04	7.00	0.41
55	13/03/2012 09:14	14/03/2012 08:49	9.23	0.39
56	14/03/2012 08:56	14/03/2012 11:37	1.05	0.39
57	14/03/2012 11:43	14/03/2012 17:04	2.09	0.39
58	14/03/2012 17:09	15/03/2012 09:02	6.48	0.41
59	15/03/2012 09:08	15/03/2012 09:37	0.19	0.39
60	15/03/2012 09:42	15/03/2012 15:00	2.07	0.39
61	15/03/2012 15:05	15/03/2012 17:14	0.88	0.41
62	15/03/2012 17:21	16/03/2012 10:24	6.68	0.39
63	16/03/2012 10:31	16/03/2012 16:01	2.15	0.39
64	16/03/2012 16:15	19/03/2012 09:08	26.46	0.41
65	19/03/2012 09:33	19/03/2012 09:35	0.01	0.40
66	19/03/2012 09:37	19/03/2012 10:23	0.31	0.41
67*	19/03/2012 11:22	19/03/2012 13:44	0.96	0.41
68	19/03/2012 14:02	19/03/2012 15:39		
69	19/03/2012 15:58	20/03/2012 10:19	7.32	0.41
70	20/03/2012 10:27	20/03/2012 10:47	0.14	0.40
71	20/03/2012 10:50	20/03/2012 11:09	0.13	0.41
72	20/03/2012 11:12	20/03/2012 12:45	0.62	0.40
73	20/03/2012 12:47	20/03/2012 13:39	0.35	0.41
74	20/03/2012 13:42	20/03/2012 16:29	1.10	0.40
75	20/03/2012 16:31	20/03/2012 17:40	0.47	0.41
76	20/03/2012 17:43	21/03/2012 09:08	6.13	0.40
77	21/03/2012 09:11	21/03/2012 10:22	0.49	0.41
78	21/03/2012 10:28	21/03/2012 10:45	0.12	0.40
79	21/03/2012 10:47	21/03/2012 11:27	0.27	0.41
80	21/03/2012 11:30	21/03/2012 11:52	0.15	0.40

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81	21/03/2012 11:54	21/03/2012 12:44	0.34	0.41
82	21/03/2012 12:47	21/03/2012 13:40	0.35	0.40
83	21/03/2012 13:42	21/03/2012 14:36	0.37	0.41
84	21/03/2012 14:38	21/03/2012 15:42	0.42	0.40
85	21/03/2012 15:44	21/03/2012 16:19	0.24	0.41
86	21/03/2012 16:21	21/03/2012 17:01	0.26	0.40
87	21/03/2012 17:05	30/03/2012 09:14	84.22	0.41
88	30/03/2012 09:24	30/03/2012 11:16	0.76	0.41
89	30/03/2012 11:20	30/03/2012 11:22	0.01	0.40
90	30/03/2012 11:26	30/03/2012 14:01	1.05	0.41
91	30/03/2012 14:05	30/03/2012 15:52	0.72	0.41
92	30/03/2012 15:56	30/03/2012 19:24	1.42	0.41
93	30/03/2012 20:03	30/03/2012 20:06	0.02	0.39
94	30/03/2012 20:09	30/03/2012 20:24	0.11	0.41
95	30/03/2012 20:27	30/03/2012 20:30	0.03	0.40
96	30/03/2012 20:32	30/03/2012 20:45	0.09	0.41
97	30/03/2012 20:49	30/03/2012 20:57	0.05	0.40
98	30/03/2012 21:21	02/04/2012 08:58	24.41	0.41
99	02/04/2012 09:01	03/04/2012 14:04	11.87	0.41
100	03/04/2012 14:22	03/04/2012 19:59	2.30	0.41
101	03/04/2012 20:05	03/04/2012 20:51	0.32	0.41
102	03/04/2012 20:57	04/04/2012 11:04	5.77	0.41
103	04/04/2012 11:07	04/04/2012 11:57	0.34	0.41
104	04/04/2012 12:02	05/04/2012 10:31	9.19	0.41
105	05/04/2012 10:37	05/04/2012 13:51	1.32	0.41
106	05/04/2012 14:11	05/04/2012 16:02	0.76	0.41
107	05/04/2012 16:04	10/04/2012 16:04	48.96	0.41
108	10/04/2012 17:38	11/04/2012 11:00	7.08	0.41
109	11/04/2012 13:32	11/04/2012 15:31	0.81	0.41
110	11/04/2012 15:34	12/04/2012 09:45	7.40	0.41
111	12/04/2012 11:06	12/04/2012 13:07	0.82	0.41
112	12/04/2012 13:35	12/04/2012 15:36	0.82	0.41
113	12/04/2012 15:52	12/04/2012 17:53	0.82	0.41
114	12/04/2012 18:08	13/04/2012 08:30	5.84	0.41
115	13/04/2012 08:45	13/04/2012 10:45	0.81	0.41
116	13/04/2012 10:57	13/04/2012 12:57	0.81	0.41
117	13/04/2012 13:10	13/04/2012 15:10	0.81	0.41
118	13/04/2012 15:24	13/04/2012 17:27	0.83	0.41

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119	13/04/2012 17:40	16/04/2012 08:39	25.59	0.41
120	16/04/2012 08:50	17/04/2012 15:26	12.41	0.41
121	17/04/2012 15:45	20/04/2012 10:10	26.90	0.40
122	20/04/2012 10:23	20/04/2012 10:24	0.01	0.38
123	20/04/2012 10:27	20/04/2012 10:37	0.07	0.39
124	20/04/2012 10:40	20/04/2012 10:41	0.01	0.39
125	20/04/2012 10:45	24/04/2012 11:20	39.04	0.40
126	24/04/2012 11:41	24/04/2012 13:39	0.80	0.40
127	24/04/2012 13:42	27/04/2012 11:00	28.03	0.40
128	27/04/2012 11:06	03/05/2012 11:36	58.37	0.40
129	03/05/2012 11:56	03/05/2012 13:20	0.55	0.40
130	03/05/2012 13:27	04/05/2012 10:15	8.38	0.40
131	04/05/2012 10:24	07/05/2012 13:22	30.16	0.40
132	07/05/2012 13:35	07/05/2012 17:30	1.57	0.40
133	07/05/2012 17:53	07/05/2012 18:50	0.38	0.40
134	07/05/2012 18:53	08/05/2012 10:58	6.46	0.40
135	08/05/2012 11:26	08/05/2012 12:46	0.54	0.40
136	08/05/2012 12:50	08/05/2012 17:00	1.67	0.40
137	08/05/2012 17:19	08/05/2012 18:25	0.44	0.40
138	08/05/2012 18:47	09/05/2012 10:51	6.47	0.40
139	09/05/2012 10:53	09/05/2012 12:02	0.46	0.40
140	09/05/2012 12:07	10/05/2012 14:36	10.62	0.40
141	10/05/2012 14:41	10/05/2012 16:12	0.60	0.40
142	10/05/2012 16:15	11/05/2012 14:19	8.86	0.40
143	11/05/2012 14:46	14/05/2012 15:41	29.25	0.40
144	14/05/2012 15:51	14/05/2012 16:15	0.16	0.40
145	14/05/2012 16:19	21/05/2012 12:34	65.65	0.40
146	21/05/2012 12:37	21/05/2012 15:36	1.20	0.40
147*	21/05/2012 16:11	21/05/2012 18:34	0.96	0.40
148	21/05/2012 19:39	23/05/2012 16:53	18.15	0.40
149	23/05/2012 17:14	25/05/2012 11:55	17.18	0.40
150	25/05/2012 11:57	29/05/2012 10:35	38.04	0.40
151	29/05/2012 10:38	29/05/2012 13:27	1.13	0.40
152	29/05/2012 13:34	29/05/2012 14:32	0.39	0.40
153	29/05/2012 14:35	31/05/2012 08:20	16.77	0.40
154	31/05/2012 08:23	04/06/2012 10:18	40.48	0.41
155	04/06/2012 10:31	04/06/2012 11:05	0.19	0.33
156	04/06/2012 11:08	04/06/2012 13:43	2.87	0.40

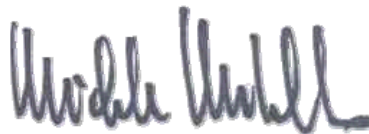
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157	04/06/2012 13:48	04/06/2012 15:27	1.14	0.33
158	04/06/2012 17:08	05/06/2012 08:58	6.04	0.40
159	05/06/2012 09:12	05/06/2012 11:04	0.41	0.40
160	05/06/2012 11:23	05/06/2012 13:45	0.54	0.33
161	05/06/2012 13:47	05/06/2012 17:24	1.04	0.29
162	05/06/2012 17:30	06/06/2012 08:45	3.83	0.25
163	06/06/2012 09:00	06/06/2012 10:06	0.24	0.22
164	06/06/2012 10:09	06/06/2012 11:12	0.24	0.23
165	06/06/2012 11:34	06/06/2012 14:16	0.59	0.22
166	06/06/2012 14:26	07/06/2012 08:44	3.73	0.21
167	07/06/2012 09:01	07/06/2012 11:04	0.78	0.38
168	07/06/2012 11:28	07/06/2012 16:33	1.93	0.38
169	07/06/2012 16:43	07/06/2012 18:23	0.70	0.42
170	07/06/2012 18:29	08/06/2012 11:03	6.40	0.39
171	08/06/2012 11:16	08/06/2012 13:01	0.67	0.38
172	08/06/2012 13:23	08/06/2012 17:54	1.72	0.38
173	08/06/2012 17:59	11/06/2012 08:54	27.18	0.43
174	11/06/2012 09:10	11/06/2012 11:09	0.80	0.40
175	11/06/2012 11:31	11/06/2012 13:21	0.73	0.40
176	11/06/2012 13:24	11/06/2012 14:21	0.38	0.40
177	11/06/2012 14:30	11/06/2012 14:55	0.15	0.37
178	11/06/2012 14:58	12/06/2012 08:45	6.70	0.38
179	12/06/2012 08:49	12/06/2012 09:30	0.25	0.37
180	12/06/2012 09:32	12/06/2012 11:11	0.62	0.38
181	12/06/2012 11:13	12/06/2012 11:53	0.25	0.37
182	12/06/2012 11:55	12/06/2012 13:50	0.72	0.38
183	12/06/2012 13:53	12/06/2012 14:51	0.37	0.38
184	12/06/2012 14:54	12/06/2012 16:40	0.67	0.38
185	12/06/2012 16:43	12/06/2012 17:32	0.32	0.39
186	12/06/2012 17:37	13/06/2012 13:55	8.06	0.40
187	13/06/2012 14:28	14/06/2012 10:15	7.89	0.40
188	14/06/2012 10:23	14/06/2012 11:20	0.38	0.40
189	14/06/2012 11:38	15/06/2012 09:55	8.89	0.40
190	15/06/2012 10:03	15/06/2012 10:53	0.33	0.40
191	15/06/2012 11:06	18/06/2012 09:24	28.04	0.40

Note: The uncertainty budgets (according to TEC-QEC/PR001 section 12) are: 4.2 % ( $k=2$ ) for absorbed dose to water and 4.4% ( $k=2$ ) for absorbed dose rate to water

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Notes: \* Runs 67 & 147 without dosimetry. Dose rate taken from previous run with dosimetry.  
Runs 13,31,49 & 68 – no dosimetry – devices out for measurements



Bob Nickson/Michele Muschitiello  
(TEC-QEC Radiation Test Engineer)



Ali Zadeh  
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## **RADIATION TEST SUMMARY**

 Irradiation Test Report Number : **20139b**

 Date : **18 June 2012**


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<b>Test Requester :</b>	<b>Name</b>	<b>Alter Technology</b>
	<b>Address</b>	Avd. Tomas Alba Edison, 4 41092 Seville (SPAIN)
	<b>Personnel present :</b>	E Munoz Plaza, J Jimenez Carreira, E Bernabeu Torres
	<b>Project/Cost Code :</b>	TRP
	<b>Devices/Components irradiated :</b>	Linear Devices AD565AT,OP470,AD584,PM139X,REF02,OP27,UC1843
	<b>Device/Component details :</b>	AD565AT,OP470,OP27,AD565AT,OLH249,OLH449 66183-105,AD565AT,PM139X,PM139X,SOC5551,UC1846

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*(conditions and identification)*

<b>Dosimetry Chain used :</b>	A
<b>Dosimeter :</b>	Farmer model 2680 – s/n 390
<b>Gas Ionisation Chamber :</b>	NE Type 2571 – s/n 2915
<b>Measured Dosimetry :</b>	Total Ionising Dose in [Gy] (water)

<b>Dosimetry Procedure :</b>	ESCC 22900 section 4.1.1 TEC-QEC/PR001 - Appendix D <i>(Total Ionising Dose accredited by RvA according to ISO/IEC 17025.2005 Certificate No. L517)</i>
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*(With the exception of the above specified dosimetry equipment, ESTEC <sup>60</sup>Co Facility does not assume any liability for the calibration status of any other equipment lent to the requester )*

### **Irradiation Test Campaign Details**

Source Activity : 76.7 TBq

on date : 4 June 2012

	units	Min.	Max.	Time-weighted Average
Temperature	°C	25.00	25.60	25.43
Pressure	mbar	996.40	1019.10	1008.25
Relative Humidity	%	31.20	40.50	35.64

Dosimeter position relative to <sup>60</sup> Co source		
X	cm	-10
Y	cm	231
Z	cm	0

Run	Start Date & Time (CET)	End Date & Time (CET)	Total Ionising Dose [Gy] (water)	Dose Rate [mGy/h] (water)
1	04/06/2012 17:08	05/06/2012 08:58	63.56	4.02
2	05/06/2012 09:12	05/06/2012 11:04		
3	05/06/2012 11:23	05/06/2012 13:45	9.47	4.01
4	05/06/2012 13:47	05/06/2012 17:24	14.52	4.02

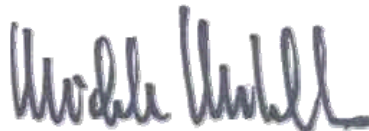
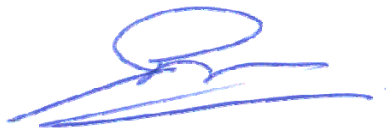
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5	05/06/2012 17:30	06/06/2012 08:45	61.25	4.02
6	06/06/2012 09:00	06/06/2012 10:06		
7	06/06/2012 10:09	06/06/2012 11:12		
8	06/06/2012 11:34	06/06/2012 14:16	9.51	3.52
9	06/06/2012 14:26	07/06/2012 08:44	71.58	3.97
10	07/06/2012 09:01	07/06/2012 11:04		
11	07/06/2012 11:28	07/06/2012 16:33	18.63	3.67
12	07/06/2012 16:43	07/06/2012 18:23	6.15	3.68
13	07/06/2012 18:29	08/06/2012 11:03	59.00	3.56
14	08/06/2012 11:16	08/06/2012 13:01		
15	08/06/2012 13:23	08/06/2012 17:54	13.66	3.02
16	08/06/2012 17:59	11/06/2012 08:54	212.74	3.38
17	11/06/2012 09:10	11/06/2012 11:09		
18	11/06/2012 11:31	11/06/2012 13:21	6.15	3.35
19	11/06/2012 13:24	11/06/2012 14:21	3.42	3.63
20	11/06/2012 14:30	11/06/2012 14:55	1.35	3.29
21	11/06/2012 14:58	12/06/2012 08:45	64.80	3.64
22	12/06/2012 08:49	12/06/2012 09:30	2.27	3.35
23	12/06/2012 09:32	12/06/2012 11:11	5.96	3.64
24	12/06/2012 11:13	12/06/2012 11:53	2.12	3.24
25	12/06/2012 11:55	12/06/2012 13:50	6.95	3.64
26	12/06/2012 13:53	12/06/2012 14:51	3.23	3.33
27	12/06/2012 14:54	12/06/2012 16:40	6.40	3.64
28	12/06/2012 16:43	12/06/2012 17:32	2.74	3.34
29	12/06/2012 17:37	13/06/2012 13:55	73.87	3.64
30	13/06/2012 14:28	14/06/2012 10:15	72.86	3.68
31	14/06/2012 10:23	14/06/2012 11:20	3.48	3.66
32	14/06/2012 11:38	15/06/2012 09:55	81.99	3.68
33	15/06/2012 10:03	15/06/2012 10:53	3.07	3.66
34	15/06/2012 11:06	18/06/2012 09:24	259.13	3.69

Note: The uncertainty budgets (according to TEC-QEC/PR001 section 12) are: 4.2 % (k=2) for absorbed dose to water and 4.4% (k=2) for absorbed dose rate to water

Notes: Runs 2,6,7,10,14 & 17 – no dosimetry – devices out for measurements

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