





**TOTAL DOSE RADIATION
TEST REPORT
No. ATN-RR-008/2012**

Issue: 2/Rev:

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Date: 2012/11/12

R.L: 2011902906 / 2011902908

Component No 5962R8856501VCA		Component Designation: OP-470A	Irradiation Spec. No.: ESCC 22900 Issue 4
Gen. Spec.: MIL-PRF-38535 Det. Spec.: 5962-88565 Amend.: --		Evaluation: - Acceptance Wafer: - Acceptance Lot: X	Project/Programme: LDT (ESA) AO / 1-6172 / 09 / F / WE
Family: 08	Group: 50	Functional Assignment: Linear, Radiation Hardened, Low Noise, Quad Operational Amplifiers	Package: DIL-14
Manuf.Name: ANALOG DEVICES Address: USA		Orig.house: ATN Address: SEVILLA (SPAIN)	Orig.house: ATN Address: SEVILLA (SPAIN)
Radiation Test Plan No.: ATGSP-RP-70 Iss1		Sample Size: 22 Irradiation Devices: 20 Control Devices: 2	Date Code: 0219A Wafer Lot: F45832
Radiation Source: Cobalt-60 Facility Name: ESA (ESTEC) Address: NOORDWIJK (HOLLAND)		Energy: 1.33/1.17 MeV Dose Rate: 35.4 & 323.7 rad(Si)/h	Interest level: 100krad(Si) Maximum Test Level: 100krad(Si)
Irradiation Conditions: Biased: X (10 samples) Unbiased: X (10 samples) Test Circuit: Figure 1		Irradiation Measurements Interval: Remote test: X In situ Test: --	Annealing Tests: 24h@25°C, 168h@100°C Biased: X (10 samples) Unbiased: X (10 samples) Test Circuit: Figure 1
Electrical Measurements. Parameters Tested: V _{IO} , I _{IO} , I _{IB±} , I _{IB-} , A _{VS} , I _{S±} , SR±, PSRR, PSRR ±, CMRR			
Prepared by.: Antonio Romero Mallén Date: 2012/11/12 Signature: 		Approved by.: Eugenio Muñoz Plaza Date: 2012/11/12 Signature: 	

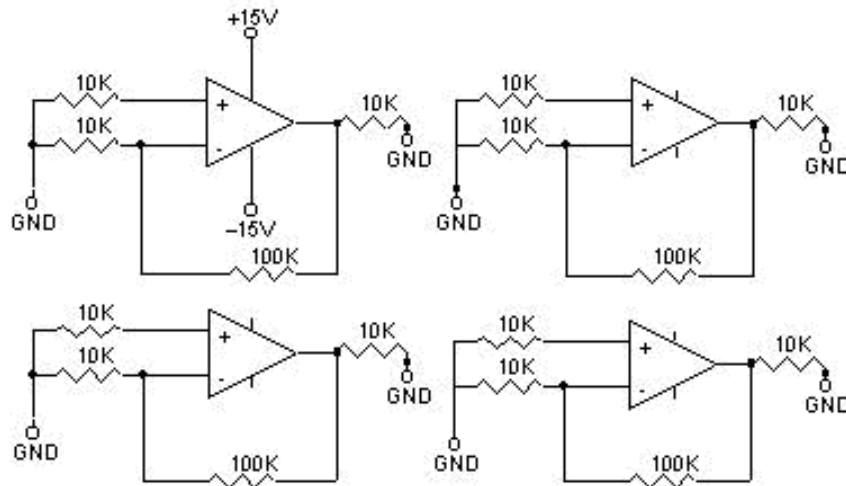
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ATNF141.B

DOCUMENT CHANGE CONTROL

Edition / Revision	Date	Affected Edition / Revision	Affected Paragraph / Modification
ATN-RR-008/2012 Iss.1	2012/08/03	--	First edition of this document.
ATN-RR-008/2012 Iss.2	2012/11/12	ATN-RR-008/2012 Iss.1	Footer on the pages updated with new issue of document format. Company's logo updated. Test house name updated.

FIGURE 1.-RADIATION BIAS CIRCUITS



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 Linear, Radiation Hardened, Low Noise, Quad Operational Amplifiers, manufactured by ANALOG DEVICES, 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	1648	Control device	ELDR
R2	1649	ON	
R3	1650		
R4	1651		
R5	1652		
R6	1653		
R7	1654	OFF	
R8	1655		
R9	1656		
R10	1657		
R11	1658		
R1	1662	Control device	LDR
R2	1663	ON	
R3	1664		
R4	1665		
R5	1666		
R6	1667		
R7	1668	OFF	
R8	1670		
R9	1671		
R10	1672		
R11	1673		

DEVIATION TO PLAN

The PSRR+ and PSRR- parameters have been added to the RVT test in accordance with the conditions and limits showed in table below.

Nº	SYMBOL	CONDITIONS	LIMITS		UNIT
			MIN.	MAX.	
1	PSRR +	+VCC=+4.5V to +18V, -VCC=-15V	115	--	dB
2	PSRR -	-VCC=-4.5V to -18V, +VCC=+15V	115	--	dB

RESULTS

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

ELDR									
	0Krad	6Krad	13Krad	20Krad	30Krad	50Krad	100Krad	ANN24	ANN168
V _{IO}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{IO}	PASS	PASS	PASS	PASS	PASS	(1)	(1)	(1)	PASS
I _{IB+}	PASS	PASS	PASS	(1)	(1)	(1)	(1)	(1)	(1)
I _{IB-}	PASS	PASS	PASS	(1)	(1)	(1)	(1)	(1)	(1)
A _{VS}	PASS	PASS	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ICC+	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
ICC-	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SR+	PASS	PASS	PASS	PASS	PASS	(1)	(1)	(1)	PASS
SR-	PASS	PASS	PASS	PASS	PASS	PASS	(1)	PASS	PASS
CMRR	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PSRR	PASS	PASS	PASS	PASS	PASS	(1)	(1)	(1)	PASS
PSRR+	PASS	PASS	PASS	PASS	(1)	(1)	(1)	(1)	(1)
PSRR-	PASS	PASS	(1)	(1)	(1)	(1)	(1)	(1)	(1)
LDR									
	0Krad	6Krad	13Krad	20Krad	30Krad	50Krad	100Krad	ANN24	ANN168
V _{IO}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{IO}	PASS	PASS	PASS	PASS	PASS	PASS	(1)	(1)	PASS
I _{IB+}	PASS	PASS	PASS	PASS	(1)	(1)	(1)	(1)	(1)
I _{IB-}	PASS	PASS	PASS	PASS	(1)	(1)	(1)	(1)	(1)
A _{VS}	PASS	PASS	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ICC+	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
ICC-	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SR+	PASS	PASS	PASS	PASS	PASS	(1)	(1)	(1)	PASS
SR-	PASS	PASS	PASS	PASS	PASS	PASS	(1)	PASS	PASS
CMRR	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PSRR	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PSRR+	PASS	PASS	PASS	(1)	(1)	(1)	(1)	(1)	(1)
PSRR-	PASS	PASS	PASS	(1)	(1)	(1)	(1)	(1)	(1)

(1) Parameter out of limits.

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

CONCLUSION

The results obtained during the irradiation test, show that this lot is 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).

The most affected parameters are the IIB \pm , IIO, AVS, SR \pm and PSRR.

-IIB \pm : starts to be out of limits at 20krad step in the ELDR test. The results show that the samples biased OFF have a higher degradation than the samples biased ON. The samples submitted to the LDR test have a higher degradation than the samples submitted to the ELDR test.

-IIO: this parameter starts to be out of limits at 50krad step in the ELDR test. The results show that the samples biased OFF have a higher degradation than the samples biased ON. For this parameter clearly different behaviours between ELDR and LDR test are not observed.

-AVS: this parameter starts to be out of limits at 13krad step in the samples biased OF in the ELDR and LDR test. The results show that the samples biased OFF have a higher degradation than the samples biased ON. For this parameter clearly different behaviour between ELDR and LDR test are not observed.

-SR \pm : the obtained results show that the SR+ starts to be out of limits at 50krad step in the samples biased OFF. The samples biased ON are within limits during all irradiation steps. The SR- is out of limits only at the 100krad step in the samples biased OFF. The samples biased ON are within limits during all irradiation steps. The results show that the samples biased OFF have a higher degradation than the samples biased ON and the samples submitted to the LDR test have a higher degradation that the samples submitted to the ELDR test.

-PSRR: the worst results have been obtained in the PSRR- parameter that starts to be out of limits at 13krad step. Along the lines of the other parameters, the samples biased OFF have a higher degradation than the samples Biased ON.

All parameters tend to recover its initial values during the annealing process.

The rest of the parameters remain within limits during all irradiation steps.

SCHEDULE

ELDR Average Dose Rate (1) rad(Si)/h	LDR Average Dose Rate (2) rad(Si)/h	Cummulative ELDR Total Dose krad(Si)	ELDR Measurement date --	Cummulative LDR Total Dose krad(Si)	LDR Measurement date --	Step Deviation ELDR vs LDR (%)
--	--	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	

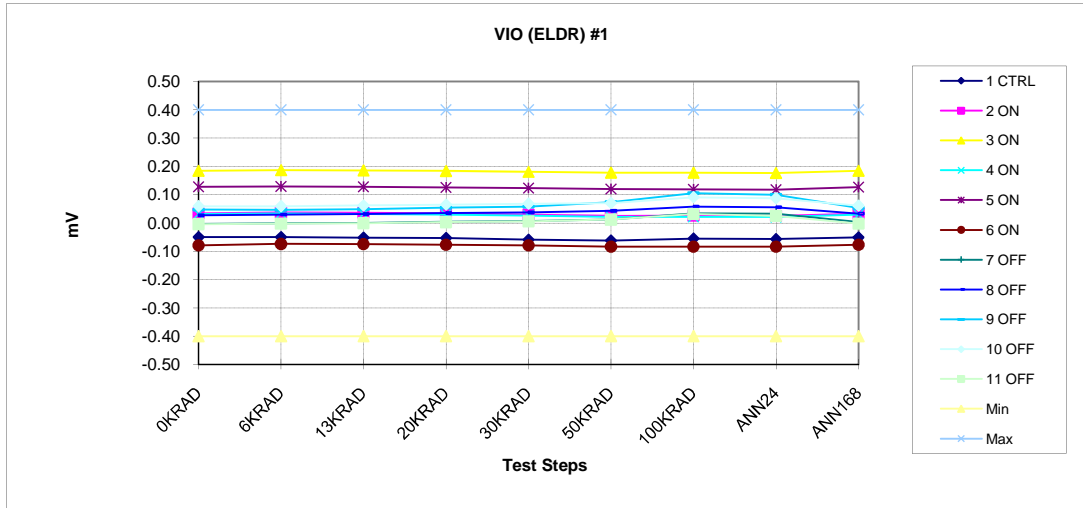
(1) The minimum and maximum dose rate registered were 18.6rad (Si)/h and 38.9rad (Si)/h respectively.

(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
LE0304.000	UNIVERSAL TEST SYSTEM	SZ	M-3000	2012/08/15	0,6,13,20,35,50,100Krad, ANN24, ANN168
LE0393.003	TEST ADAPTER	SZ	UNIVERSAL FRONT ADAPTER	--	0,6,13,20,35,50,100Krad, ANN24, ANN168
LE0389.010	TEST ADAPTER	SZ	TA09B	--	0,6,13,20,35,50,100Krad, ANN24, ANN168

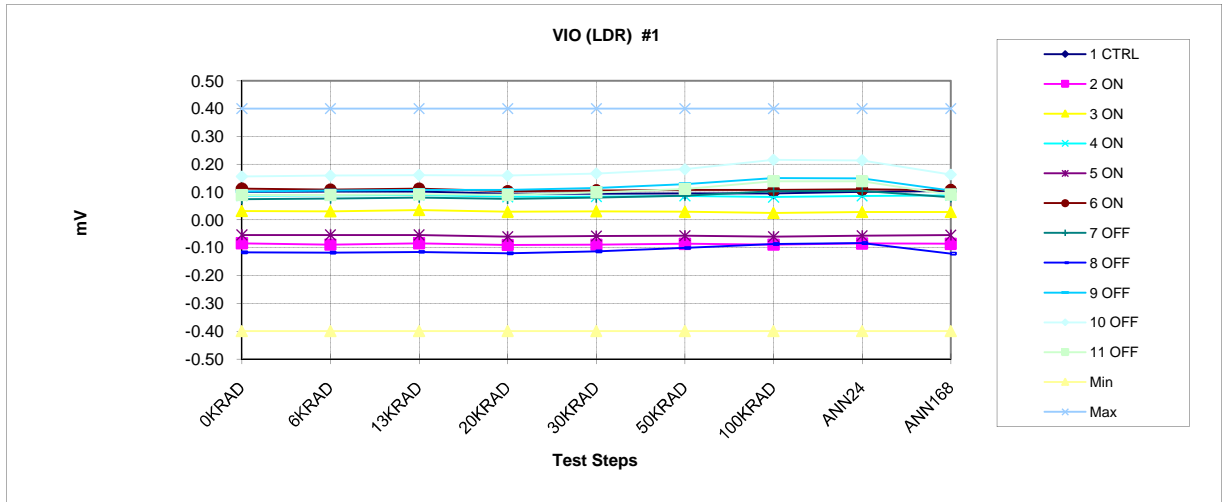
ANNEX I ELECTRICAL MEASUREMENTS GRAPHS



VIO (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 CTRL	-0.05	-0.05	-0.05	-0.05	-0.06	-0.06	-0.06	-0.06	-0.05

Bias on results									
2 ON	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
3 ON	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.19
4 ON	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03
5 ON	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.13
6 ON	-0.08	-0.07	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08
Statistics bias on									
min result	-0.08	-0.07	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08
max result	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.19
average	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.06
sigma	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

Bias off results									
7 OFF	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.03	0.00
8 OFF	0.03	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.03
9 OFF	0.05	0.05	0.05	0.05	0.06	0.07	0.11	0.10	0.05
10 OFF	0.06	0.06	0.06	0.07	0.07	0.07	0.09	0.09	0.06
11 OFF	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.03	0.00
Statistics bias off									
min result	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.03	0.00
max result	0.06	0.06	0.06	0.07	0.07	0.07	0.11	0.10	0.06
average	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.06	0.03
sigma	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03



VIO (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV

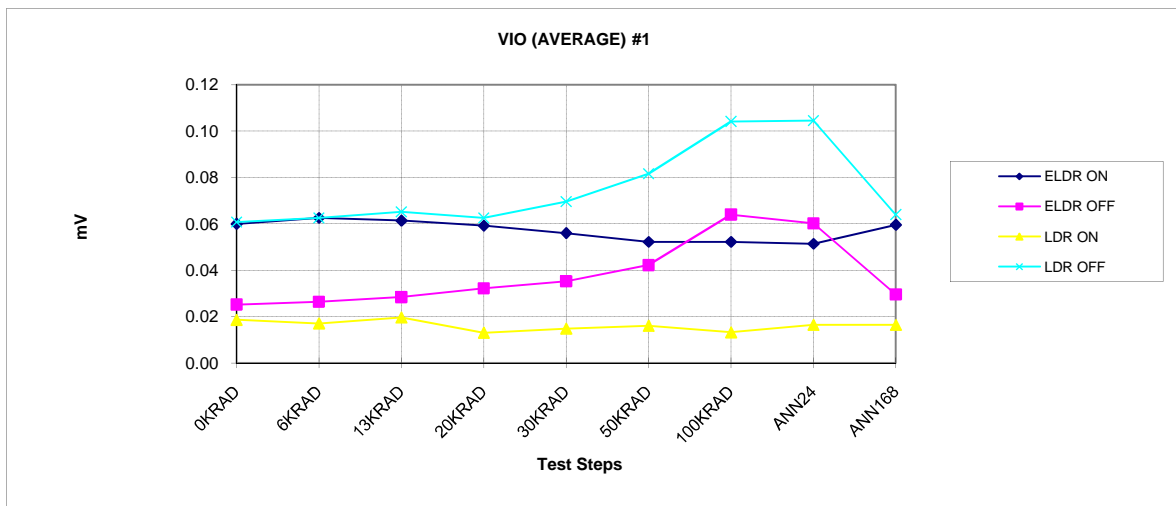
Control Results									
1 CTRL	0.10	0.10	0.10	0.09	0.09	0.10	0.10	0.10	0.10

Bias on results									
2 ON	-0.08	-0.09	-0.08	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09
3 ON	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03
4 ON	0.09	0.09	0.09	0.08	0.08	0.09	0.08	0.09	0.09
5 ON	-0.05	-0.05	-0.05	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
6 ON	0.11	0.11	0.11	0.10	0.11	0.11	0.11	0.11	0.11

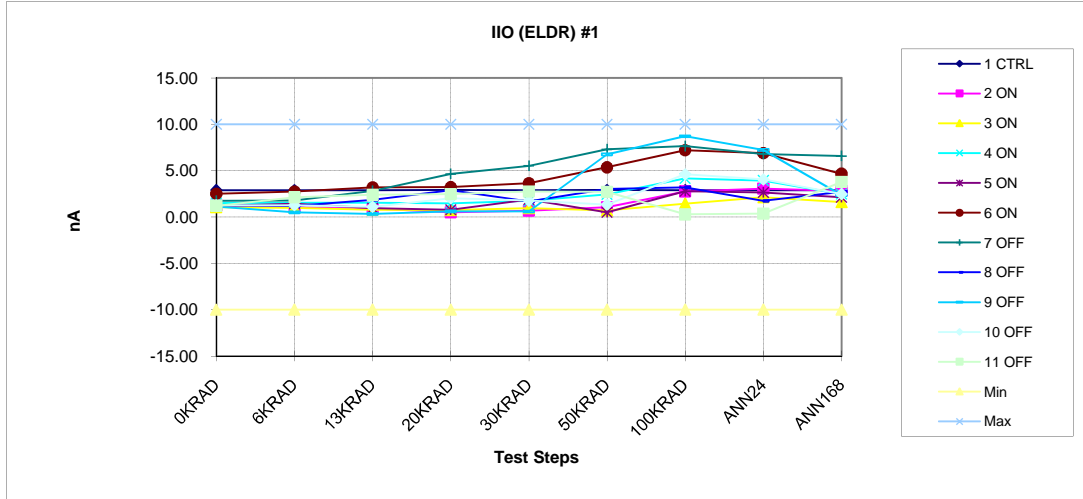
Statistics bias on									
min result	-0.08	-0.09	-0.08	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09
max result	0.11	0.11	0.11	0.10	0.11	0.11	0.11	0.11	0.11
average	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.02	0.02
sigma	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

Bias off results									
7 OFF	0.07	0.08	0.08	0.08	0.08	0.09	0.10	0.10	0.08
8 OFF	-0.12	-0.12	-0.12	-0.12	-0.11	-0.10	-0.09	-0.08	-0.12
9 OFF	0.10	0.11	0.11	0.11	0.12	0.13	0.15	0.15	0.11
10 OFF	0.16	0.16	0.16	0.16	0.17	0.18	0.22	0.21	0.16
11 OFF	0.09	0.09	0.09	0.09	0.10	0.11	0.14	0.14	0.09

Statistics bias off									
min result	-0.12	-0.12	-0.12	-0.12	-0.11	-0.10	-0.09	-0.08	-0.12
max result	0.16	0.16	0.16	0.16	0.17	0.18	0.22	0.21	0.16
average	0.06	0.06	0.07	0.06	0.07	0.08	0.10	0.10	0.06
sigma	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11



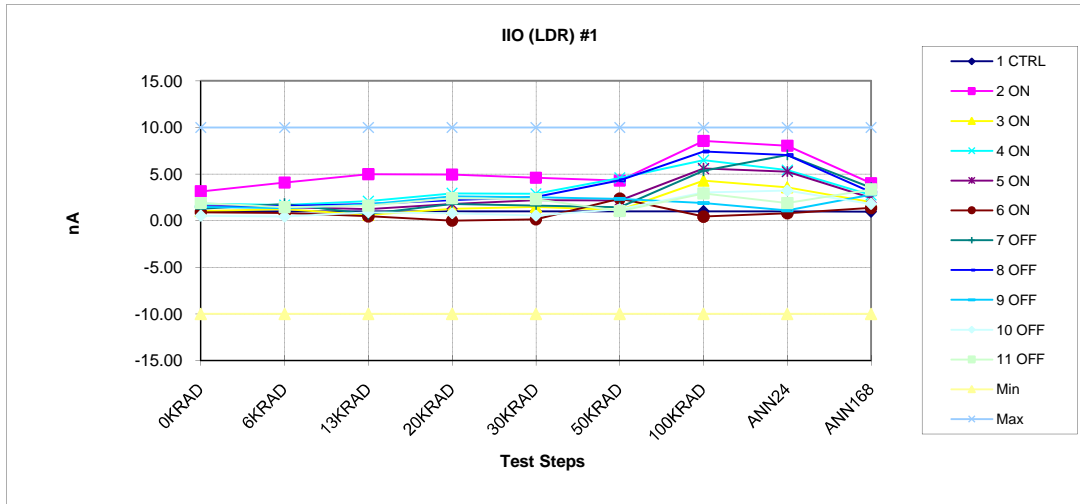
VIO (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.06
ELDR OFF	0.03	0.03	0.03	0.03	0.03	0.04	0.06	0.06	0.03
LDR ON	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02
LDR OFF	0.06	0.06	0.07	0.06	0.07	0.08	0.10	0.10	0.06



IIO (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	10	10	10	10	10	10	10	10	10
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	2.90	2.89	2.90	2.94	2.90	2.91	2.90	2.89	2.88

Bias on results									
2 ON	1.22	1.06	0.90	0.51	0.68	1.05	2.76	3.07	2.81
3 ON	1.07	1.00	0.77	0.76	0.96	0.72	1.45	2.13	1.60
4 ON	1.51	1.53	1.55	1.48	1.73	2.43	4.17	3.94	2.48
5 ON	1.19	1.43	0.95	0.78	1.88	0.50	2.78	2.64	2.13
6 ON	2.51	2.74	3.19	3.22	3.64	5.36	7.20	6.89	4.66
Statistics bias on									
min result	1.07	1.00	0.77	0.51	0.68	0.50	1.45	2.13	1.60
max result	2.51	2.74	3.19	3.22	3.64	5.36	7.20	6.89	4.66
average	1.50	1.55	1.47	1.35	1.78	2.01	3.67	3.73	2.74
sigma	0.59	0.70	1.00	1.10	1.16	2.02	2.19	1.89	1.17

Bias off results									
7 OFF	1.73	1.80	2.82	4.64	5.52	7.31	7.64	6.80	6.58
8 OFF	1.25	1.19	1.86	2.89	1.68	3.02	3.19	1.74	2.71
9 OFF	1.14	0.51	0.32	0.62	0.59	6.76	8.71	7.23	2.36
10 OFF	1.25	1.28	1.11	2.04	1.77	1.35	4.61	4.05	2.49
11 OFF	1.21	2.12	2.39	2.48	2.75	2.72	0.28	0.36	3.79
Statistics bias off									
min result	1.14	0.51	0.32	0.62	0.59	1.35	0.28	0.36	2.36
max result	1.73	2.12	2.82	4.64	5.52	7.31	8.71	7.23	6.58
average	1.32	1.38	1.70	2.53	2.46	4.23	4.89	4.03	3.58
sigma	0.24	0.62	1.00	1.46	1.87	2.64	3.40	3.03	1.77



IIO (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	10	10	10	10	10	10	10	10	10
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA

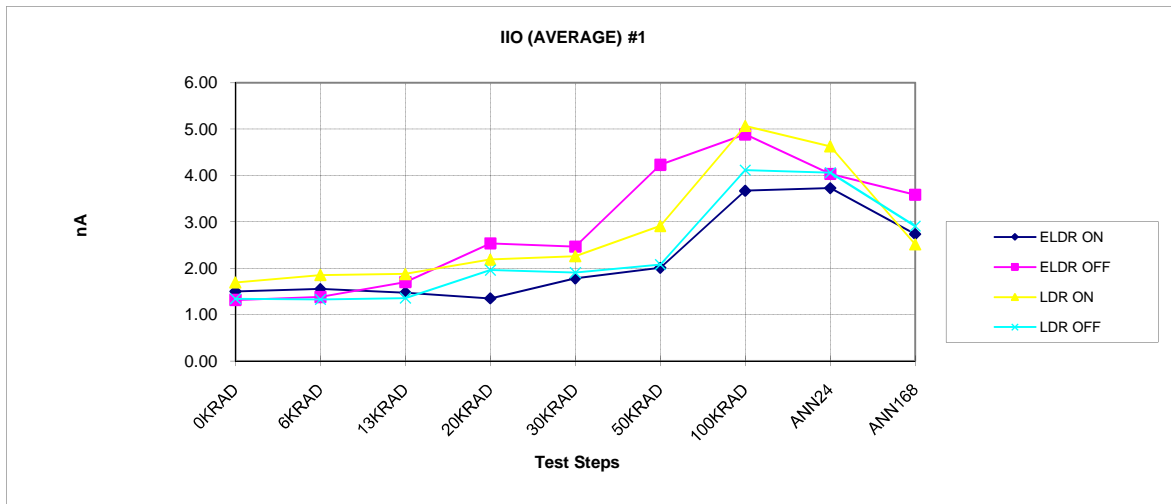
Control Results									
1 CTRL	1.02	0.99	0.99	0.99	0.99	1.01	1.01	1.01	0.98

Bias on results									
2 ON	3.14	4.09	4.97	4.95	4.61	4.29	8.56	8.04	4.01
3 ON	1.04	1.25	0.62	1.27	1.49	1.14	4.28	3.59	2.01
4 ON	1.82	1.68	2.09	2.94	2.88	4.59	6.48	5.43	2.76
5 ON	1.57	1.43	1.23	1.78	2.19	2.18	5.59	5.27	2.44
6 ON	0.91	0.82	0.47	0.01	0.14	2.37	0.44	0.81	1.36

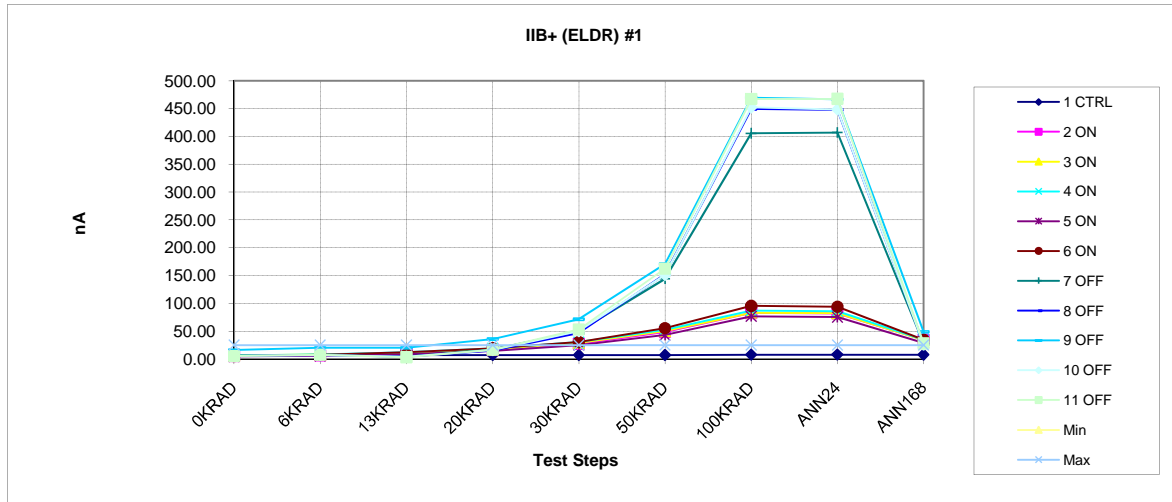
Statistics bias on									
min result	0.91	0.82	0.47	0.01	0.14	1.14	0.44	0.81	1.36
max result	3.14	4.09	4.97	4.95	4.61	4.59	8.56	8.04	4.01
average	1.69	1.85	1.88	2.19	2.26	2.91	5.07	4.63	2.51
sigma	0.89	1.29	1.85	1.87	1.66	1.47	3.02	2.66	0.98

Bias off results									
7 OFF	1.26	1.80	0.71	1.79	1.63	1.44	5.35	7.05	3.54
8 OFF	1.52	1.58	1.79	2.19	2.53	4.34	7.41	7.03	3.06
9 OFF	1.50	1.36	1.76	2.62	2.51	2.34	1.90	1.11	2.80
10 OFF	0.53	0.45	0.90	0.79	0.54	1.24	3.01	3.24	1.80
11 OFF	1.89	1.45	1.63	2.41	2.31	1.04	2.92	1.89	3.35

Statistics bias off									
min result	0.53	0.45	0.71	0.79	0.54	1.04	1.90	1.11	1.80
max result	1.89	1.80	1.79	2.62	2.53	4.34	7.41	7.05	3.54
average	1.34	1.33	1.36	1.96	1.90	2.08	4.12	4.06	2.91
sigma	0.50	0.52	0.51	0.72	0.84	1.36	2.23	2.82	0.68



IIO (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.50	1.55	1.47	1.35	1.78	2.01	3.67	3.73	2.74
ELDR OFF	1.32	1.38	1.70	2.53	2.46	4.23	4.89	4.03	3.58
LDR ON	1.69	1.85	1.88	2.19	2.26	2.91	5.07	4.63	2.51
LDR OFF	1.34	1.33	1.36	1.96	1.90	2.08	4.12	4.06	2.91



IIB+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	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	nA	nA	nA	nA	nA	nA	nA	nA	nA

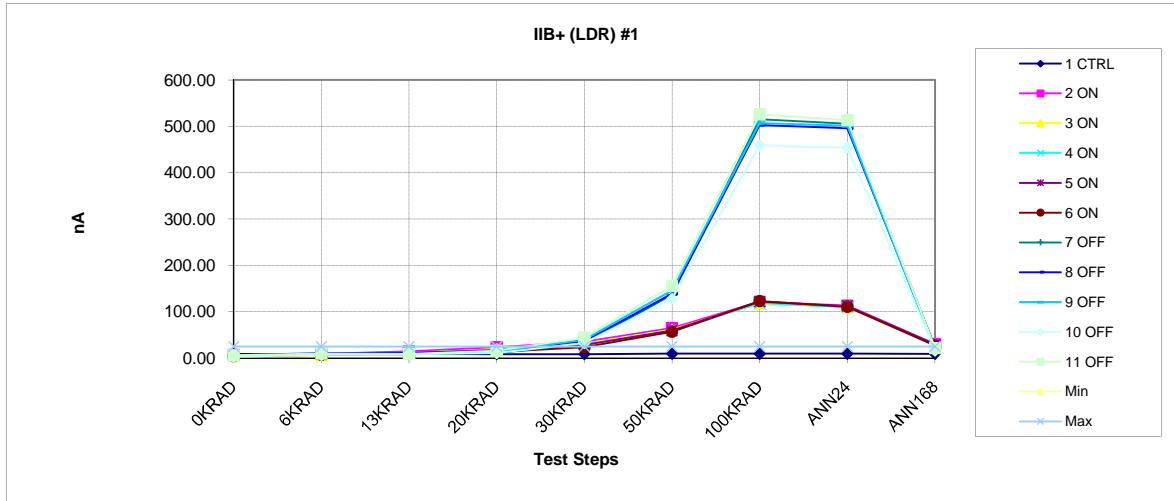
Control Results									
1 CTRL	6.97	6.90	6.95	7.01	6.96	6.90	7.67	7.77	7.64

Bias on results									
2 ON	5.46	6.54	10.33	17.32	27.28	48.42	82.63	81.92	34.29
3 ON	6.61	7.89	10.56	17.04	28.78	49.99	83.16	82.41	34.12
4 ON	6.59	8.21	12.02	19.28	30.61	52.52	87.03	85.64	34.54
5 ON	4.41	5.52	8.45	14.36	24.83	42.99	76.58	75.12	28.92
6 ON	5.10	7.61	11.91	19.27	30.43	55.24	95.32	93.90	34.66

Statistics bias on									
min result	4.41	5.52	8.45	14.36	24.83	42.99	76.58	75.12	28.92
max result	6.61	8.21	12.02	19.28	30.61	55.24	95.32	93.90	34.66
average	5.63	7.15	10.65	17.45	28.38	49.83	84.94	83.80	33.30
sigma	0.96	1.11	1.45	2.03	2.41	4.62	6.90	6.82	2.46

Bias off results									
7 OFF	6.08	7.51	4.10	17.01	50.00	144.01	405.48	407.01	27.92
8 OFF	4.96	7.11	3.86	15.12	46.49	152.03	449.38	447.66	27.24
9 OFF	15.86	19.92	19.94	35.59	71.20	170.34	469.46	466.52	48.70
10 OFF	5.55	6.99	4.34	15.92	49.91	150.97	452.33	448.56	25.92
11 OFF	5.20	7.51	3.13	16.85	53.14	162.22	467.31	467.51	27.99

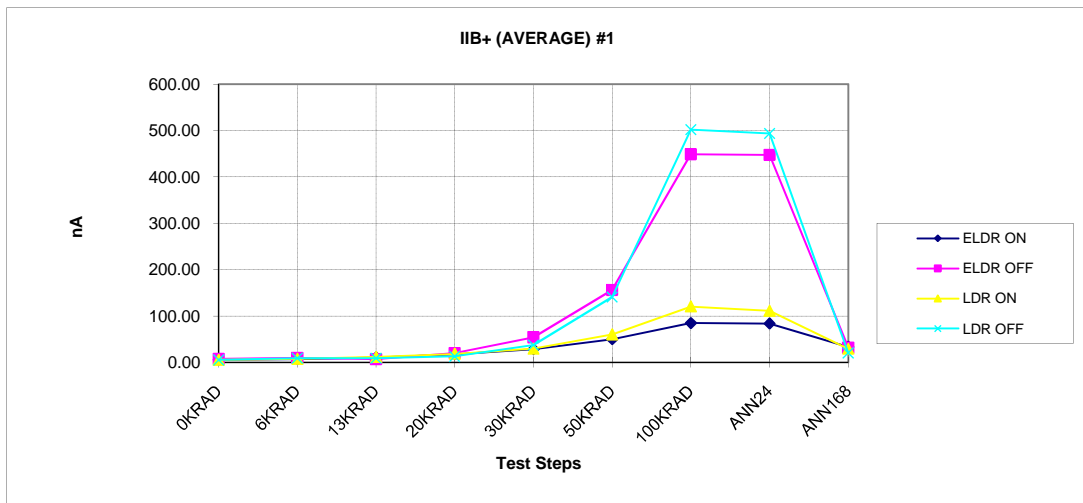
Statistics bias off									
min result	4.96	6.99	3.13	15.12	46.49	144.01	405.48	407.01	25.92
max result	15.86	19.92	19.94	35.59	71.20	170.34	469.46	467.51	48.70
average	7.53	9.81	7.07	20.10	54.15	155.92	448.79	447.45	31.55
sigma	4.68	5.66	7.21	8.70	9.82	10.36	25.78	24.51	9.62



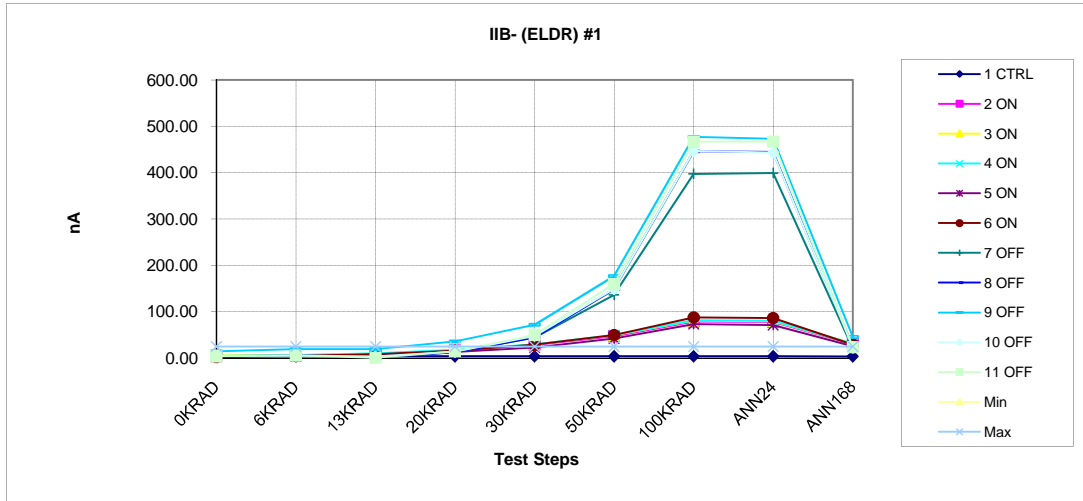
IIB+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-25	-25	-25	-25	-25	-25	-25	-25	-25
Max	25	25	25	25	25	25	25	25	25
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	8.84	8.53	8.70	8.60	8.63	9.48	9.37	9.46	9.23

Bias on results									
2 ON	6.48	9.19	14.55	23.44	35.23	64.95	121.28	112.94	30.51
3 ON	4.33	6.50	11.10	19.46	31.05	61.15	118.13	109.63	29.09
4 ON	5.86	7.60	11.35	18.19	29.11	59.06	118.49	110.06	30.07
5 ON	6.23	8.23	11.05	17.15	28.08	59.15	121.48	112.22	29.59
6 ON	4.47	6.82	9.78	13.09	23.80	56.85	122.90	110.85	27.15
Statistics bias on									
min result	4.33	6.50	9.78	13.09	23.80	56.85	118.13	109.63	27.15
max result	6.48	9.19	14.55	23.44	35.23	64.95	122.90	112.94	30.51
average	5.47	7.67	11.57	18.27	29.46	60.23	120.46	111.14	29.28
sigma	1.00	1.09	1.78	3.75	4.18	3.04	2.06	1.41	1.31

Bias off results									
7 OFF	5.93	9.91	8.67	10.08	32.07	136.57	514.93	505.78	22.51
8 OFF	6.67	10.50	11.09	14.30	36.75	138.68	503.01	495.93	22.84
9 OFF	4.70	8.41	7.49	13.63	39.66	145.45	507.19	501.06	18.68
10 OFF	3.14	6.83	8.02	10.86	32.53	127.96	459.19	453.99	16.50
11 OFF	5.95	9.57	9.33	15.61	44.51	155.46	525.79	513.25	21.24
Statistics bias off									
min result	3.14	6.83	7.49	10.08	32.07	127.96	459.19	453.99	16.50
max result	6.67	10.50	11.09	15.61	44.51	155.46	525.79	513.25	22.84
average	5.28	9.04	8.92	12.90	37.10	140.82	502.02	494.00	20.35
sigma	1.39	1.45	1.40	2.34	5.19	10.29	25.46	23.26	2.71



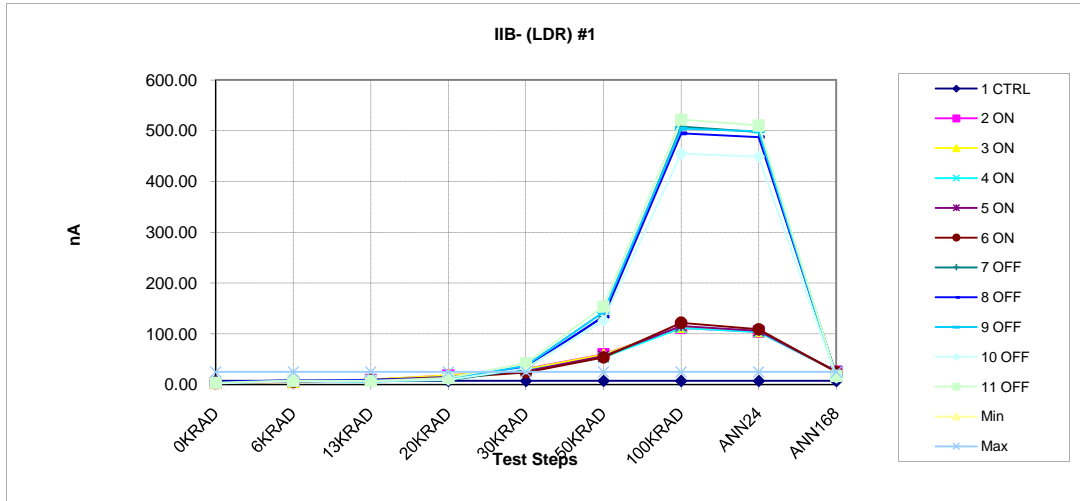
IIB+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	5.63	7.15	10.65	17.45	28.38	49.83	84.94	83.80	33.30
ELDR OFF	7.53	9.81	7.07	20.10	54.15	155.92	448.79	447.45	31.55
LDR ON	5.47	7.67	11.57	18.27	29.46	60.23	120.46	111.14	29.28
LDR OFF	5.28	9.04	8.92	12.90	37.10	140.82	502.02	494.00	20.35



IIB- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	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	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	3.91	3.88	3.93	3.96	3.93	3.89	3.92	3.97	3.75

Bias on results									
2 ON	4.10	5.33	9.30	16.65	28.52	47.18	79.06	78.07	30.54
3 ON	5.42	6.77	9.67	16.12	29.64	49.11	80.90	79.44	31.64
4 ON	4.92	6.57	10.36	17.64	30.05	49.88	81.81	80.78	31.04
5 ON	3.08	3.97	7.36	13.47	22.80	42.32	73.03	71.49	25.83
6 ON	2.47	4.73	8.60	15.95	28.74	49.76	87.52	86.24	29.24
Statistics bias on									
min result	2.47	3.97	7.36	13.47	22.80	42.32	73.03	71.49	25.83
max result	5.42	6.77	10.36	17.64	30.05	49.88	87.52	86.24	31.64
average	4.00	5.47	9.06	15.97	27.95	47.65	80.46	79.20	29.66
sigma	1.23	1.19	1.14	1.54	2.95	3.17	5.22	5.31	2.32

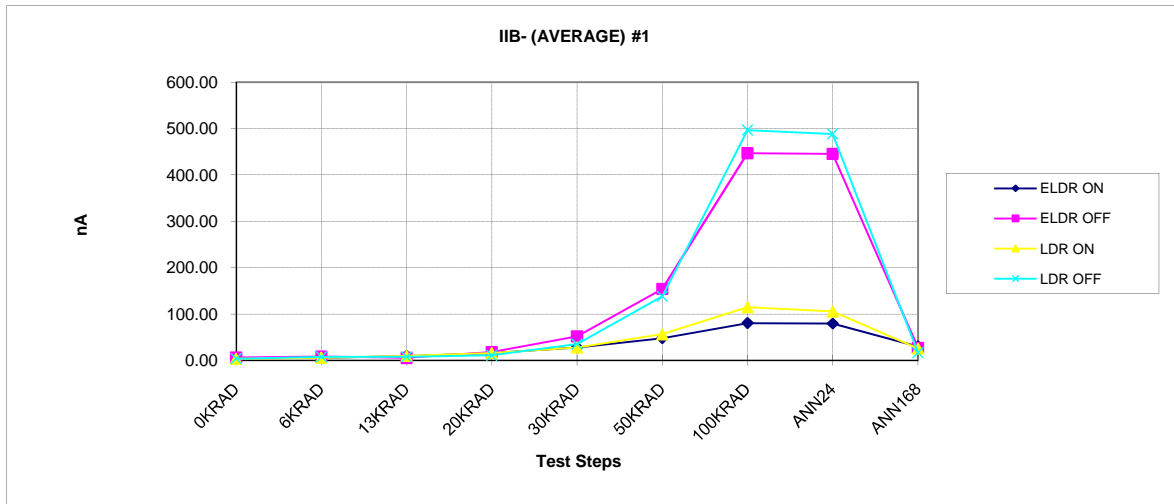
Bias off results									
7 OFF	4.21	5.61	1.14	12.16	44.32	136.38	397.14	398.97	20.56
8 OFF	3.59	5.79	1.92	12.15	44.68	148.79	446.27	444.68	23.90
9 OFF	14.59	19.23	19.52	35.95	71.84	176.92	477.22	472.80	45.38
10 OFF	4.20	5.67	3.22	13.81	47.94	149.11	446.86	443.46	22.58
11 OFF	3.86	5.35	0.70	14.33	50.01	159.43	466.84	467.07	23.35
Statistics bias off									
min result	3.59	5.35	0.70	12.15	44.32	136.38	397.14	398.97	20.56
max result	14.59	19.23	19.52	35.95	71.84	176.92	477.22	472.80	45.38
average	6.09	8.33	5.30	17.68	51.76	154.13	446.87	445.39	27.15
sigma	4.76	6.10	8.01	10.26	11.47	15.14	30.80	29.07	10.27



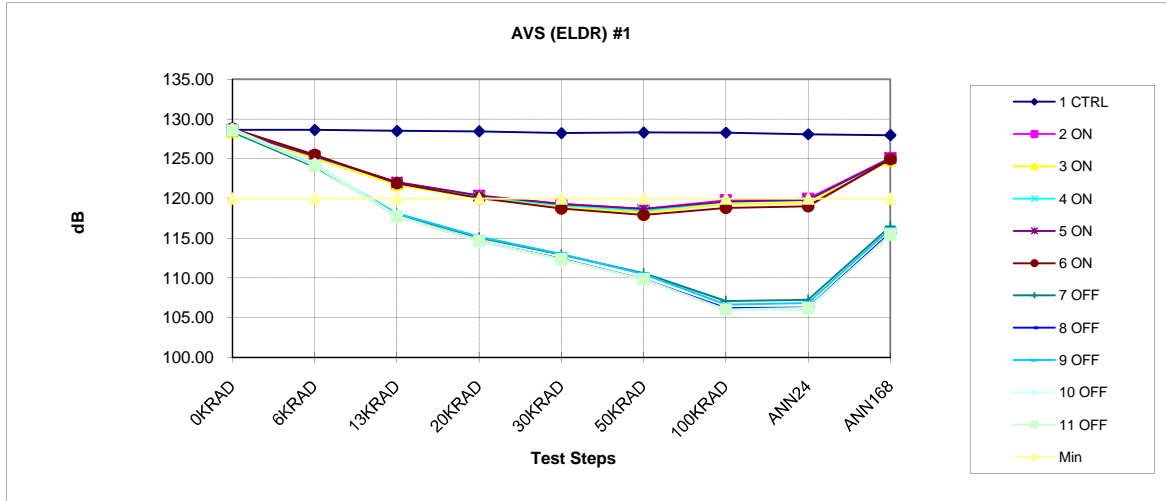
IIB- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-25	-25	-25	-25	-25	-25	-25	-25	-25
Max	25	25	25	25	25	25	25	25	25
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	7.68	7.42	7.57	7.49	7.52	7.69	7.62	7.44	7.32

Bias on results									
2 ON	3.20	4.97	9.41	18.35	30.92	59.98	111.89	103.99	25.58
3 ON	3.16	5.10	10.35	18.06	30.30	59.02	113.16	104.93	26.00
4 ON	3.91	5.76	9.11	15.14	27.60	53.51	111.46	103.58	26.35
5 ON	4.54	6.65	9.67	15.27	26.80	56.11	115.27	105.87	26.18
6 ON	3.45	5.83	9.15	12.96	23.78	53.50	121.91	108.94	25.10
Statistics bias on									
min result	3.16	4.97	9.11	12.96	23.78	53.50	111.46	103.58	25.10
max result	4.54	6.65	10.35	18.35	30.92	59.98	121.91	108.94	26.35
average	3.65	5.66	9.54	15.96	27.88	56.42	114.74	105.46	25.84
sigma	0.58	0.67	0.51	2.25	2.88	3.02	4.27	2.14	0.50

Bias off results									
7 OFF	4.55	8.05	7.85	8.35	30.82	134.26	508.19	497.57	18.19
8 OFF	5.00	8.85	9.20	12.04	34.33	133.78	494.65	487.13	18.88
9 OFF	3.08	6.83	5.66	10.90	37.10	142.41	504.15	498.64	15.18
10 OFF	2.50	6.21	6.93	9.78	31.97	126.33	454.98	449.00	14.08
11 OFF	3.93	7.96	7.55	13.11	42.03	153.80	522.10	510.37	17.27
Statistics bias off									
min result	2.50	6.21	5.66	8.35	30.82	126.33	454.98	449.00	14.08
max result	5.00	8.85	9.20	13.11	42.03	153.80	522.10	510.37	18.88
average	3.81	7.58	7.44	10.83	35.25	138.12	496.81	488.54	16.72
sigma	1.03	1.05	1.30	1.87	4.49	10.45	25.38	23.59	2.03



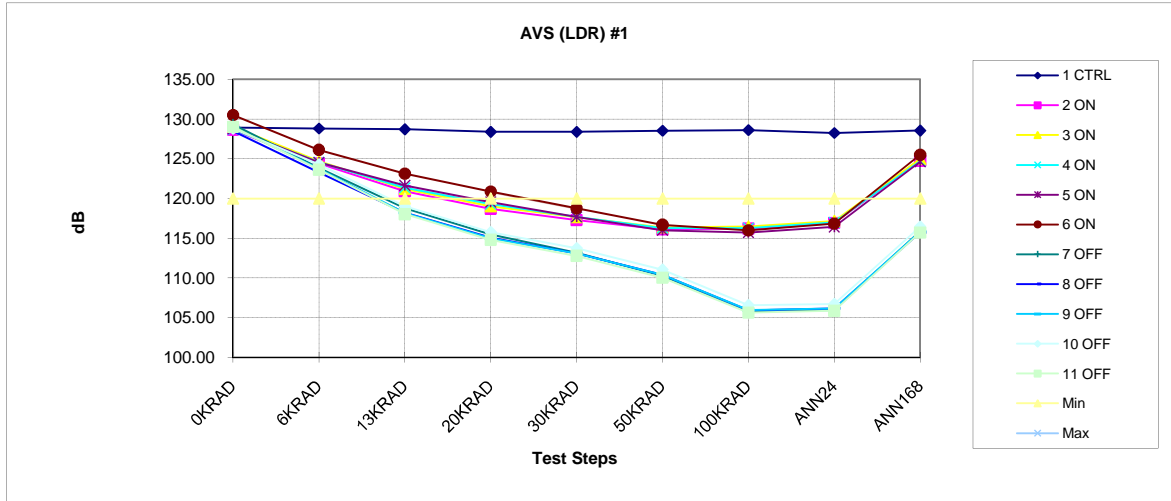
IIB- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	4.00	5.47	9.06	15.97	27.95	47.65	80.46	79.20	29.66
ELDR OFF	6.09	8.33	5.30	17.68	51.76	154.13	446.87	445.39	27.15
LDR ON	3.65	5.66	9.54	15.96	27.88	56.42	114.74	105.46	25.84
LDR OFF	3.81	7.58	7.44	10.83	35.25	138.12	496.81	488.54	16.72



AVS (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	120	120	120	120	120	120	120	120	120
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	128.65	128.64	128.50	128.46	128.24	128.30	128.29	128.09	127.98

Bias on results									
2 ON	128.64	125.29	121.94	120.32	119.32	118.71	119.78	119.99	125.11
3 ON	128.34	125.00	121.71	120.03	118.91	118.23	119.30	119.42	124.78
4 ON	128.62	125.31	122.00	120.26	119.14	118.50	119.60	119.78	125.07
5 ON	128.49	125.34	122.06	120.39	119.32	118.69	119.63	119.84	125.05
6 ON	128.79	125.50	121.91	120.04	118.73	117.92	118.83	119.01	124.93
Statistics bias on									
min result	128.34	125.00	121.71	120.03	118.73	117.92	118.83	119.01	124.78
max result	128.79	125.50	122.06	120.39	119.32	118.71	119.78	119.99	125.11
average	128.58	125.29	121.92	120.21	119.08	118.41	119.43	119.61	124.99
sigma	0.17	0.18	0.13	0.16	0.26	0.33	0.38	0.39	0.14

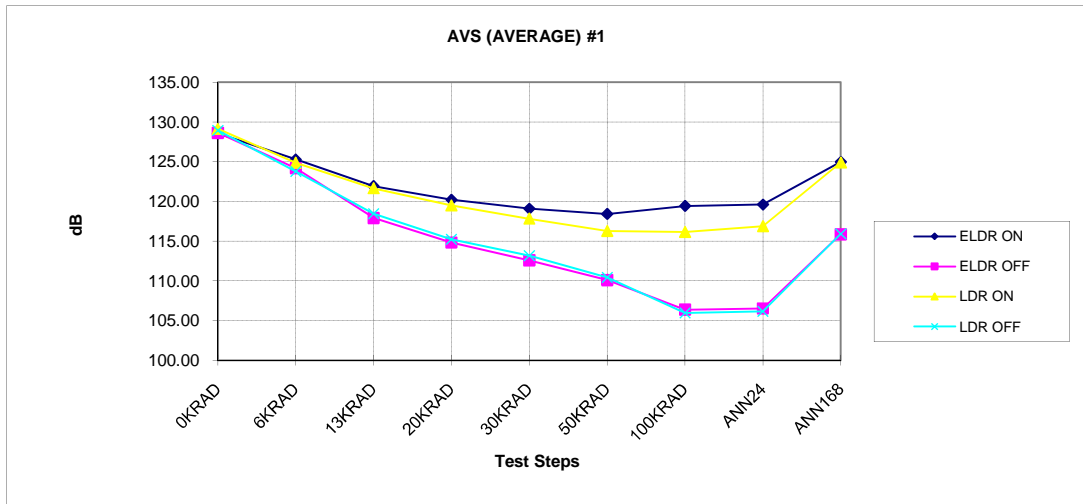
Bias off results									
7 OFF	128.38	123.98	118.05	115.08	112.94	110.58	107.08	107.26	116.48
8 OFF	128.76	124.24	117.79	114.61	112.40	109.84	106.19	106.28	115.69
9 OFF	128.65	124.17	118.11	115.19	113.02	110.47	106.67	106.85	116.16
10 OFF	128.79	124.40	117.85	114.54	112.25	109.73	105.94	106.02	115.46
11 OFF	128.55	124.13	117.74	114.65	112.35	109.85	106.04	106.23	115.49
Statistics bias off									
min result	128.38	123.98	117.74	114.54	112.25	109.73	105.94	106.02	115.46
max result	128.79	124.40	118.11	115.19	113.02	110.58	107.08	107.26	116.48
average	128.63	124.18	117.91	114.81	112.59	110.09	106.38	106.53	115.85
sigma	0.17	0.15	0.16	0.30	0.36	0.40	0.48	0.51	0.45



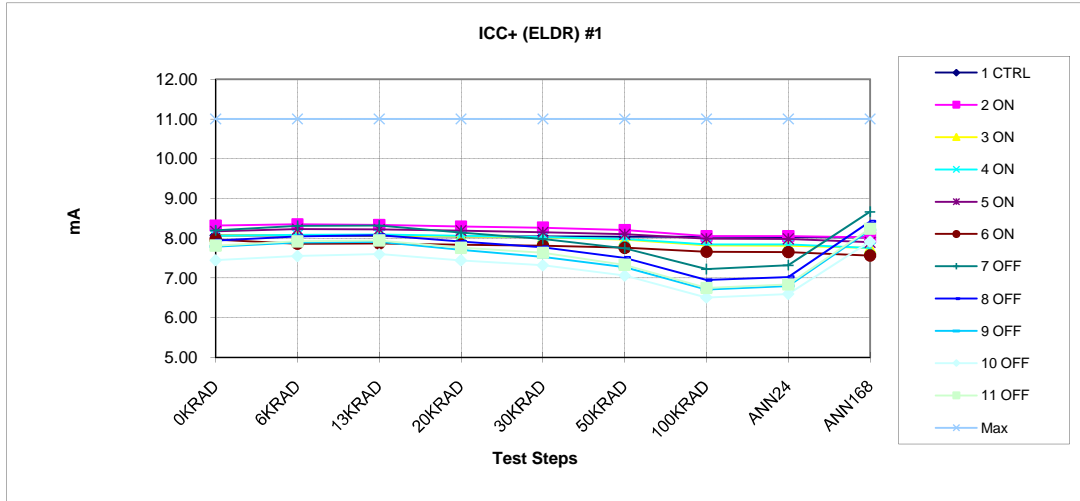
AVS (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	120	120	120	120	120	120	120	120	120
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	128.94	128.82	128.73	128.40	128.39	128.54	128.62	128.26	128.56

Bias on results									
2 ON	128.66	124.41	120.92	118.71	117.29	116.10	116.21	116.93	124.73
3 ON	128.99	124.70	121.20	119.03	117.65	116.36	116.50	117.18	124.98
4 ON	128.68	124.56	121.35	119.31	117.69	116.27	116.28	116.99	124.69
5 ON	128.76	124.55	121.65	119.56	117.69	115.98	115.73	116.42	124.61
6 ON	130.51	126.12	123.13	120.88	118.78	116.69	115.99	116.83	125.49
Statistics bias on									
min result	128.66	124.41	120.92	118.71	117.29	115.98	115.73	116.42	124.61
max result	130.51	126.12	123.13	120.88	118.78	116.69	116.50	117.18	125.49
average	129.12	124.87	121.65	119.50	117.82	116.28	116.14	116.87	124.90
sigma	0.79	0.71	0.87	0.83	0.56	0.27	0.29	0.28	0.36

Bias off results									
7 OFF	129.31	123.84	118.78	115.49	113.18	110.28	105.75	105.95	115.89
8 OFF	128.50	123.30	118.21	115.05	113.10	110.39	105.94	106.16	115.71
9 OFF	129.02	123.72	118.19	115.00	113.09	110.38	105.95	106.17	115.85
10 OFF	128.80	124.30	119.01	115.77	113.76	111.04	106.56	106.74	116.43
11 OFF	129.01	123.63	118.03	114.80	112.79	110.03	105.63	105.87	115.71
Statistics bias off									
min result	128.50	123.30	118.03	114.80	112.79	110.03	105.63	105.87	115.71
max result	129.31	124.30	119.01	115.77	113.76	111.04	106.56	106.74	116.43
average	128.93	123.76	118.45	115.22	113.18	110.42	105.96	106.18	115.92
sigma	0.30	0.36	0.43	0.39	0.35	0.37	0.36	0.34	0.30



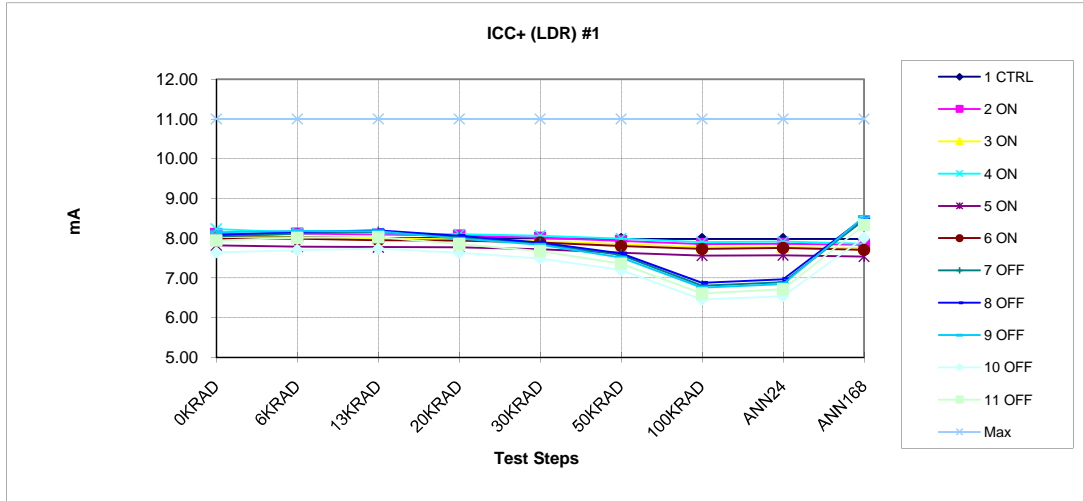
AVS (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	128.58	125.29	121.92	120.21	119.08	118.41	119.43	119.61	124.99
ELDR OFF	128.63	124.18	117.91	114.81	112.59	110.09	106.38	106.53	115.85
LDR ON	129.12	124.87	121.65	119.50	117.82	116.28	116.14	116.87	124.90
LDR OFF	128.93	123.76	118.45	115.22	113.18	110.42	105.96	106.18	115.92



ICC+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	11	11	11	11	11	11	11	11	11
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 CTRL	8.07	8.07	8.05	8.05	8.04	8.04	8.04	8.03	8.02

Bias on results									
2 ON	8.32	8.35	8.34	8.30	8.27	8.21	8.05	8.05	8.02
3 ON	8.07	8.08	8.07	8.05	8.02	7.96	7.82	7.82	7.76
4 ON	8.07	8.09	8.09	8.07	8.03	7.98	7.85	7.85	7.76
5 ON	8.17	8.23	8.23	8.19	8.15	8.10	7.99	7.98	7.90
6 ON	7.97	7.86	7.87	7.84	7.82	7.76	7.66	7.65	7.57
Statistics bias on									
min result	7.97	7.86	7.87	7.84	7.82	7.76	7.66	7.65	7.57
max result	8.32	8.35	8.34	8.30	8.27	8.21	8.05	8.05	8.02
average	8.12	8.12	8.12	8.09	8.06	8.00	7.87	7.87	7.80
sigma	0.13	0.18	0.18	0.17	0.17	0.17	0.15	0.16	0.17

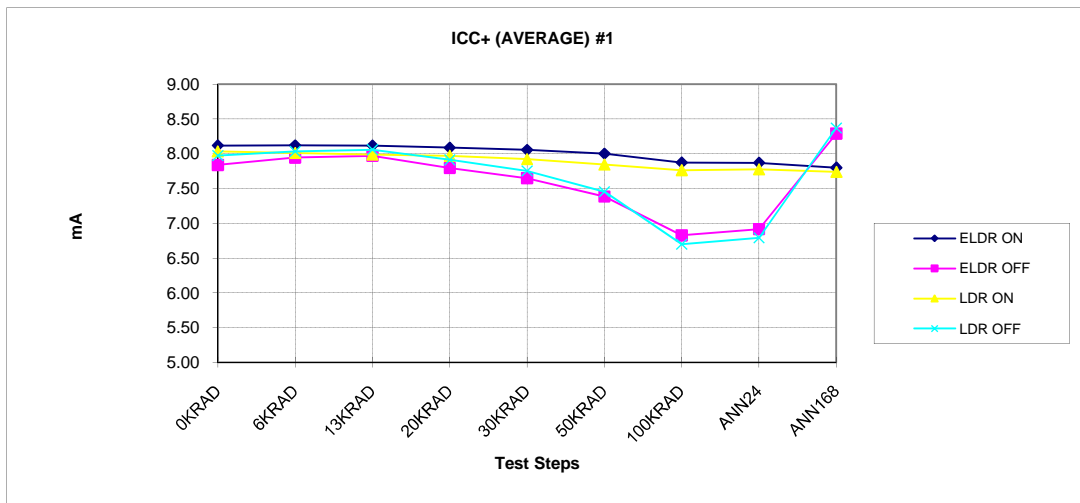
Bias off results									
7 OFF	8.20	8.31	8.32	8.14	7.98	7.75	7.22	7.32	8.66
8 OFF	7.95	8.05	8.08	7.91	7.78	7.51	6.95	7.02	8.42
9 OFF	7.79	7.89	7.91	7.71	7.53	7.27	6.71	6.80	8.21
10 OFF	7.45	7.55	7.60	7.44	7.32	7.06	6.51	6.60	7.92
11 OFF	7.82	7.92	7.94	7.76	7.64	7.33	6.75	6.84	8.24
Statistics bias off									
min result	7.45	7.55	7.60	7.44	7.32	7.06	6.51	6.60	7.92
max result	8.20	8.31	8.32	8.14	7.98	7.75	7.22	7.32	8.66
average	7.84	7.94	7.97	7.79	7.65	7.38	6.83	6.91	8.29
sigma	0.27	0.27	0.26	0.26	0.25	0.26	0.27	0.27	0.28



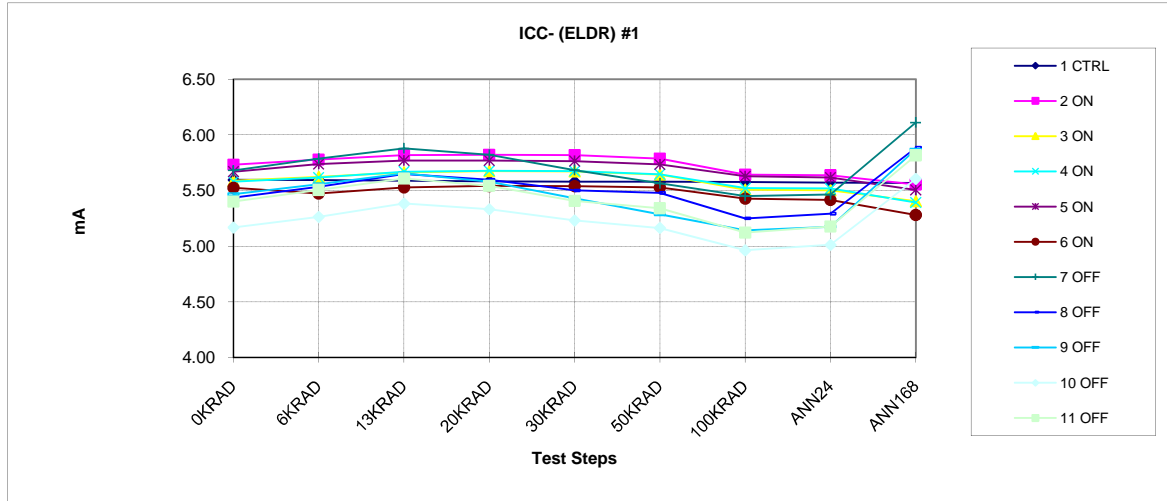
ICC+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	11	11	11	11	11	11	11	11	11
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 CTRL	8.06	8.03	8.01	8.01	8.00	7.98	7.98	7.98	7.98

Bias on results									
2 ON	8.11	8.12	8.10	8.07	8.01	7.94	7.85	7.86	7.83
3 ON	8.02	8.02	8.00	7.98	7.92	7.85	7.77	7.77	7.76
4 ON	8.23	8.14	8.13	8.10	8.07	7.99	7.90	7.92	7.86
5 ON	7.82	7.79	7.78	7.77	7.72	7.64	7.56	7.57	7.54
6 ON	7.98	7.99	7.95	7.94	7.89	7.81	7.73	7.76	7.71
Statistics bias on									
min result	7.82	7.79	7.78	7.77	7.72	7.64	7.56	7.57	7.54
max result	8.23	8.14	8.13	8.10	8.07	7.99	7.90	7.92	7.86
average	8.03	8.01	7.99	7.97	7.92	7.84	7.76	7.78	7.74
sigma	0.15	0.14	0.14	0.13	0.13	0.14	0.13	0.13	0.13

Bias off results									
7 OFF	8.05	8.12	8.16	8.03	7.86	7.58	6.80	6.90	8.46
8 OFF	8.08	8.16	8.20	8.06	7.89	7.62	6.88	6.97	8.52
9 OFF	8.15	8.18	8.18	7.99	7.83	7.51	6.76	6.84	8.54
10 OFF	7.64	7.70	7.74	7.63	7.49	7.20	6.46	6.54	8.02
11 OFF	7.94	8.01	8.03	7.85	7.68	7.36	6.61	6.72	8.33
Statistics bias off									
min result	7.64	7.70	7.74	7.63	7.49	7.20	6.46	6.54	8.02
max result	8.15	8.18	8.20	8.06	7.89	7.62	6.88	6.97	8.54
average	7.97	8.03	8.06	7.91	7.75	7.45	6.70	6.79	8.37
sigma	0.20	0.20	0.19	0.18	0.17	0.18	0.17	0.17	0.22



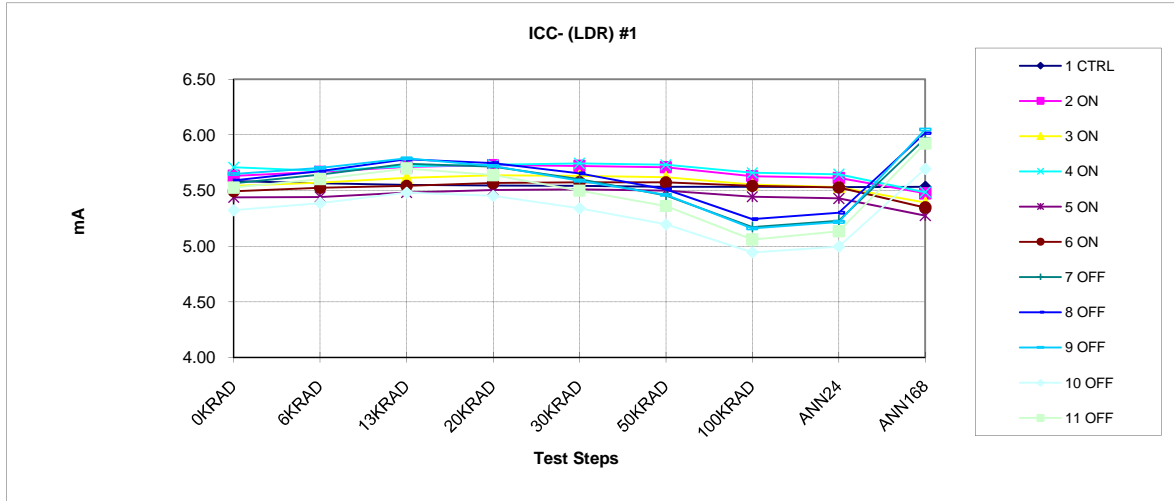
ICC+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	8.12	8.12	8.12	8.09	8.06	8.00	7.87	7.87	7.80
ELDR OFF	7.84	7.94	7.97	7.79	7.65	7.38	6.83	6.91	8.29
LDR ON	8.03	8.01	7.99	7.97	7.92	7.84	7.76	7.78	7.74
LDR OFF	7.97	8.03	8.06	7.91	7.75	7.45	6.70	6.79	8.37



ICC- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	11	11	11	11	11	11	11	11	11
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 CTRL	5.60	5.60	5.59	5.58	5.58	5.58	5.58	5.57	5.57

Bias on results									
2 ON	5.73	5.78	5.82	5.82	5.82	5.79	5.64	5.64	5.55
3 ON	5.59	5.62	5.66	5.67	5.67	5.64	5.51	5.50	5.41
4 ON	5.58	5.62	5.67	5.68	5.68	5.65	5.52	5.52	5.39
5 ON	5.67	5.74	5.77	5.77	5.77	5.74	5.63	5.62	5.51
6 ON	5.53	5.47	5.53	5.54	5.54	5.53	5.43	5.42	5.28
Statistics bias on									
min result	5.53	5.47	5.53	5.54	5.54	5.53	5.43	5.42	5.28
max result	5.73	5.78	5.82	5.82	5.82	5.79	5.64	5.64	5.55
average	5.62	5.65	5.69	5.70	5.69	5.67	5.55	5.54	5.43
sigma	0.08	0.12	0.11	0.11	0.11	0.10	0.09	0.09	0.11

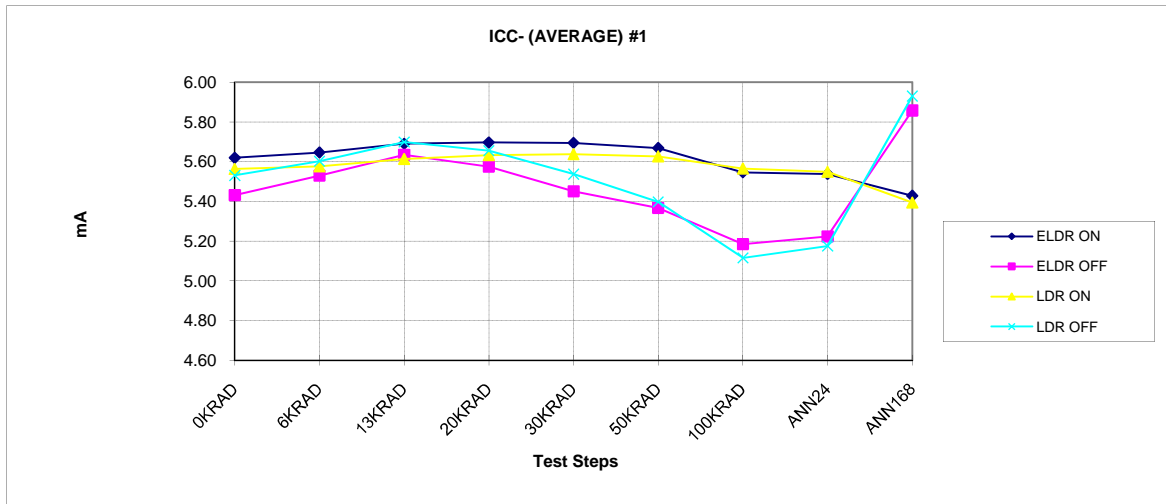
Bias off results									
7 OFF	5.68	5.79	5.88	5.82	5.68	5.56	5.45	5.46	6.11
8 OFF	5.44	5.53	5.65	5.60	5.50	5.48	5.25	5.29	5.88
9 OFF	5.47	5.56	5.66	5.58	5.43	5.29	5.14	5.18	5.87
10 OFF	5.17	5.26	5.38	5.33	5.23	5.16	4.96	5.01	5.61
11 OFF	5.40	5.51	5.61	5.54	5.41	5.34	5.12	5.18	5.82
Statistics bias off									
min result	5.17	5.26	5.38	5.33	5.23	5.16	4.96	5.01	5.61
max result	5.68	5.79	5.88	5.82	5.68	5.56	5.45	5.46	6.11
average	5.43	5.53	5.63	5.57	5.45	5.37	5.19	5.22	5.86
sigma	0.18	0.19	0.18	0.17	0.16	0.16	0.18	0.17	0.18



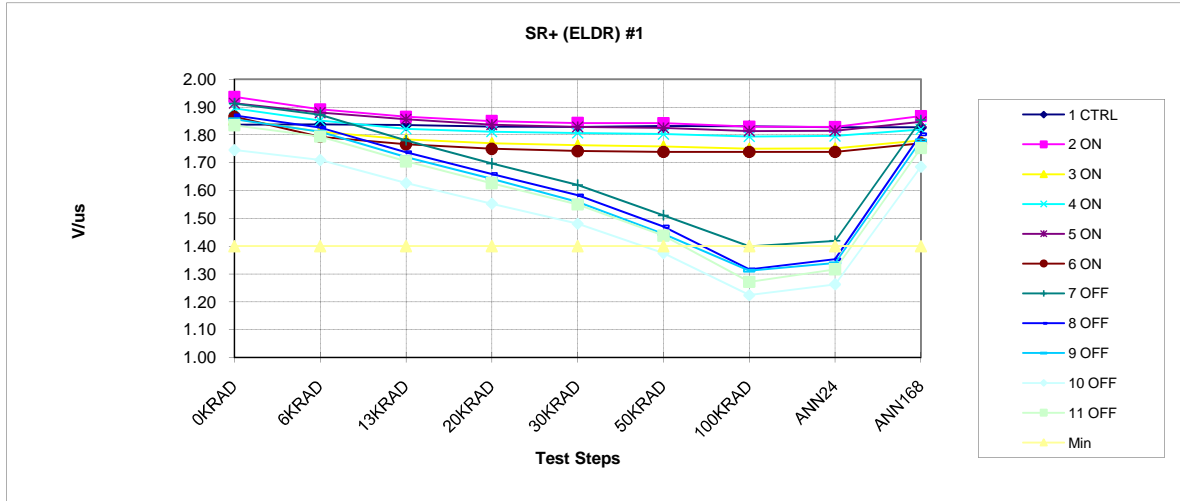
ICC- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	11	11	11	11	11	11	11	11	11
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 CTRL	5.59	5.56	5.55	5.55	5.54	5.54	5.53	5.53	5.53

Bias on results									
2 ON	5.63	5.67	5.71	5.73	5.72	5.71	5.63	5.61	5.48
3 ON	5.54	5.57	5.61	5.64	5.63	5.62	5.55	5.53	5.39
4 ON	5.71	5.68	5.72	5.73	5.75	5.73	5.66	5.65	5.49
5 ON	5.44	5.44	5.48	5.51	5.51	5.50	5.44	5.43	5.28
6 ON	5.49	5.53	5.54	5.57	5.58	5.57	5.54	5.53	5.35
Statistics bias on									
min result	5.44	5.44	5.48	5.51	5.51	5.50	5.44	5.43	5.28
max result	5.71	5.68	5.72	5.73	5.75	5.73	5.66	5.65	5.49
average	5.56	5.58	5.61	5.63	5.64	5.63	5.57	5.55	5.40
sigma	0.11	0.10	0.10	0.10	0.10	0.10	0.08	0.08	0.09

Bias off results									
7 OFF	5.56	5.64	5.74	5.72	5.60	5.46	5.17	5.23	5.97
8 OFF	5.59	5.67	5.78	5.75	5.66	5.51	5.24	5.30	6.02
9 OFF	5.65	5.70	5.79	5.72	5.59	5.46	5.16	5.22	6.05
10 OFF	5.32	5.39	5.48	5.45	5.34	5.20	4.95	5.00	5.70
11 OFF	5.53	5.60	5.70	5.64	5.50	5.36	5.06	5.13	5.92
Statistics bias off									
min result	5.32	5.39	5.48	5.45	5.34	5.20	4.95	5.00	5.70
max result	5.65	5.70	5.79	5.75	5.66	5.51	5.24	5.30	6.05
average	5.53	5.60	5.70	5.66	5.54	5.40	5.12	5.18	5.93
sigma	0.12	0.13	0.13	0.12	0.12	0.13	0.12	0.12	0.14



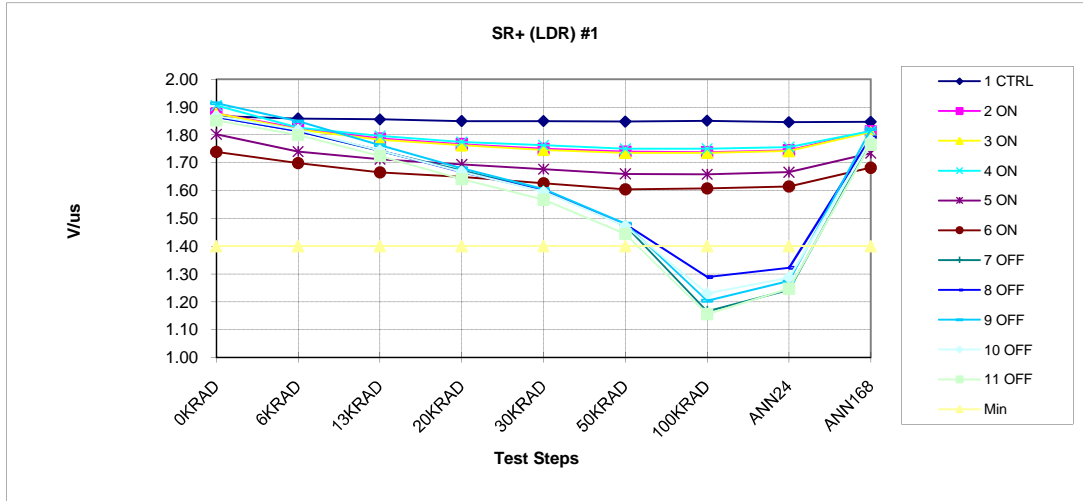
ICC- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	5.62	5.65	5.69	5.70	5.69	5.67	5.55	5.54	5.43
ELDR OFF	5.43	5.53	5.63	5.57	5.45	5.37	5.19	5.22	5.86
LDR ON	5.56	5.58	5.61	5.63	5.64	5.63	5.57	5.55	5.40
LDR OFF	5.53	5.60	5.70	5.66	5.54	5.40	5.12	5.18	5.93



SR+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	1.84	1.84	1.84	1.83	1.83	1.83	1.83	1.83	1.83

Bias on results									
2 ON	1.94	1.89	1.87	1.85	1.84	1.84	1.83	1.83	1.87
3 ON	1.86	1.81	1.78	1.77	1.76	1.76	1.75	1.75	1.78
4 ON	1.90	1.85	1.82	1.81	1.81	1.80	1.79	1.80	1.82
5 ON	1.91	1.88	1.86	1.84	1.83	1.83	1.81	1.82	1.85
6 ON	1.87	1.79	1.77	1.75	1.74	1.74	1.74	1.74	1.77
Statistics bias on									
min result	1.86	1.79	1.77	1.75	1.74	1.74	1.74	1.74	1.77
max result	1.94	1.89	1.87	1.85	1.84	1.84	1.83	1.83	1.87
average	1.89	1.85	1.82	1.80	1.80	1.79	1.79	1.79	1.82
sigma	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

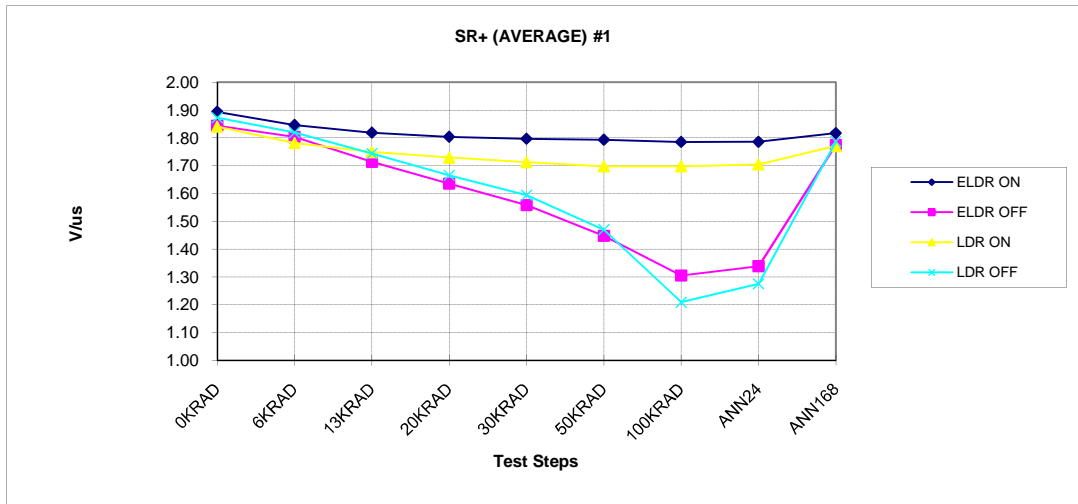
Bias off results									
7 OFF	1.91	1.87	1.78	1.70	1.62	1.51	1.40	1.42	1.85
8 OFF	1.87	1.83	1.74	1.66	1.58	1.47	1.32	1.35	1.80
9 OFF	1.86	1.81	1.72	1.64	1.56	1.44	1.31	1.34	1.78
10 OFF	1.75	1.71	1.63	1.55	1.48	1.38	1.22	1.26	1.69
11 OFF	1.84	1.79	1.71	1.63	1.55	1.44	1.27	1.32	1.75
Statistics bias off									
min result	1.75	1.71	1.63	1.55	1.48	1.38	1.22	1.26	1.69
max result	1.91	1.87	1.78	1.70	1.62	1.51	1.40	1.42	1.85
average	1.84	1.80	1.71	1.64	1.56	1.45	1.30	1.34	1.77
sigma	0.06	0.06	0.06	0.05	0.05	0.05	0.06	0.06	0.06



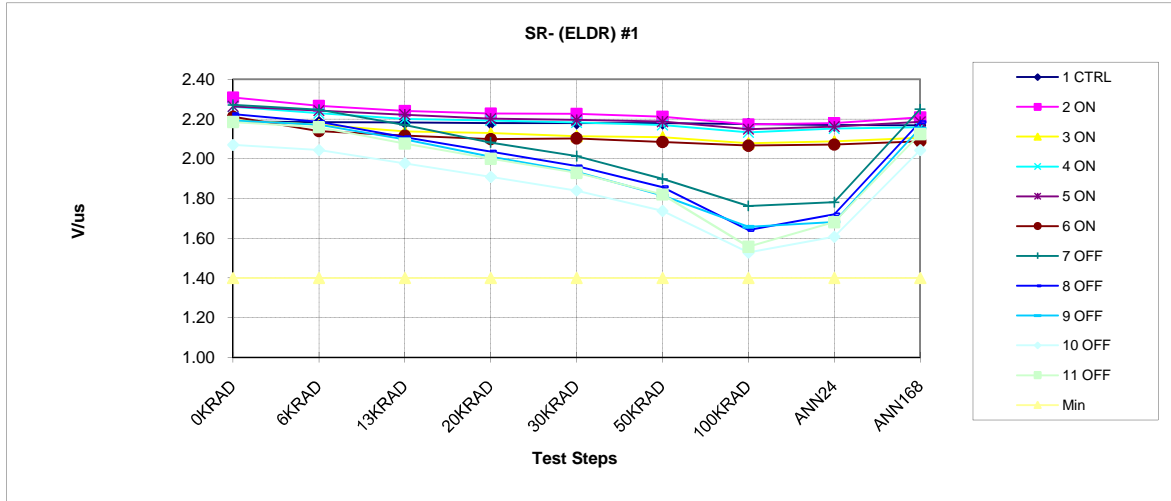
SR+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	1.87	1.86	1.86	1.85	1.85	1.85	1.85	1.85	1.85

Bias on results									
2 ON	1.88	1.82	1.79	1.77	1.75	1.74	1.74	1.75	1.81
3 ON	1.88	1.82	1.78	1.76	1.75	1.74	1.74	1.74	1.81
4 ON	1.91	1.83	1.80	1.78	1.76	1.75	1.75	1.76	1.81
5 ON	1.80	1.74	1.71	1.69	1.68	1.66	1.66	1.67	1.73
6 ON	1.74	1.70	1.67	1.65	1.63	1.60	1.61	1.62	1.68
Statistics bias on									
min result	1.74	1.70	1.67	1.65	1.63	1.60	1.61	1.62	1.68
max result	1.91	1.83	1.80	1.78	1.76	1.75	1.75	1.76	1.81
average	1.84	1.78	1.75	1.73	1.71	1.70	1.70	1.70	1.77
sigma	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

Bias off results									
7 OFF	1.86	1.81	1.74	1.67	1.60	1.47	1.17	1.24	1.78
8 OFF	1.86	1.81	1.74	1.67	1.60	1.48	1.29	1.32	1.79
9 OFF	1.91	1.85	1.76	1.68	1.61	1.48	1.20	1.28	1.82
10 OFF	1.87	1.82	1.74	1.67	1.60	1.47	1.23	1.29	1.78
11 OFF	1.85	1.80	1.72	1.64	1.57	1.44	1.16	1.25	1.77
Statistics bias off									
min result	1.85	1.80	1.72	1.64	1.57	1.44	1.16	1.24	1.77
max result	1.91	1.85	1.76	1.68	1.61	1.48	1.29	1.32	1.82
average	1.87	1.82	1.74	1.67	1.59	1.47	1.21	1.27	1.79
sigma	0.02	0.02	0.01	0.01	0.02	0.02	0.05	0.03	0.02



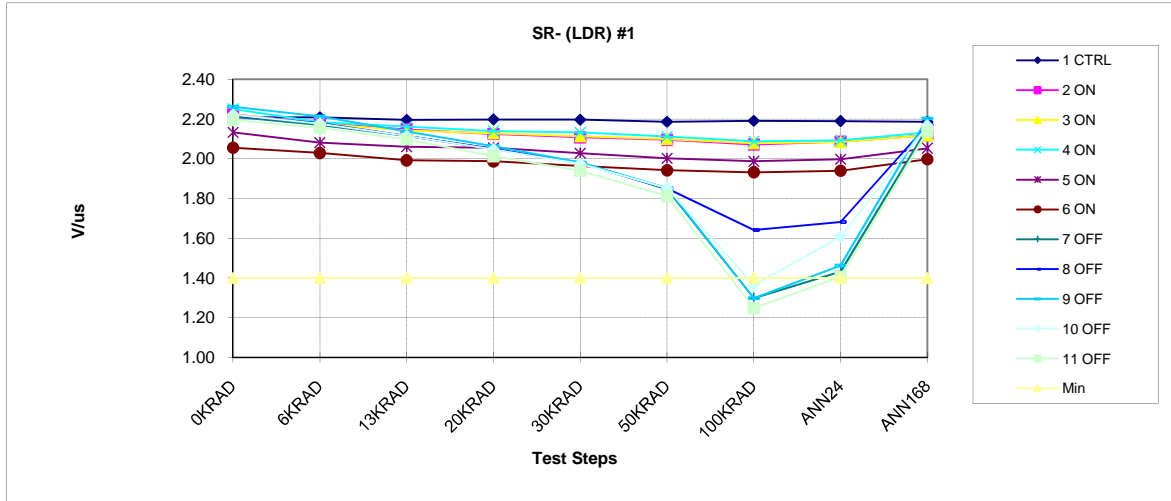
SR+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.89	1.85	1.82	1.80	1.80	1.79	1.79	1.79	1.82
ELDR OFF	1.84	1.80	1.71	1.64	1.56	1.45	1.30	1.34	1.77
LDR ON	1.84	1.78	1.75	1.73	1.71	1.70	1.70	1.70	1.77
LDR OFF	1.87	1.82	1.74	1.67	1.59	1.47	1.21	1.27	1.79



SR- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	2.19	2.18	2.18	2.18	2.18	2.18	2.18	2.17	2.17

Bias on results									
2 ON	2.31	2.27	2.24	2.23	2.23	2.21	2.17	2.18	2.21
3 ON	2.19	2.17	2.14	2.13	2.11	2.11	2.08	2.09	2.11
4 ON	2.26	2.23	2.20	2.19	2.18	2.17	2.13	2.15	2.16
5 ON	2.26	2.24	2.22	2.20	2.20	2.19	2.15	2.16	2.19
6 ON	2.21	2.14	2.12	2.10	2.10	2.08	2.07	2.07	2.09
Statistics bias on									
min result	2.19	2.14	2.12	2.10	2.10	2.08	2.07	2.07	2.09
max result	2.31	2.27	2.24	2.23	2.23	2.21	2.17	2.18	2.21
average	2.25	2.21	2.18	2.17	2.16	2.15	2.12	2.13	2.15
sigma	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

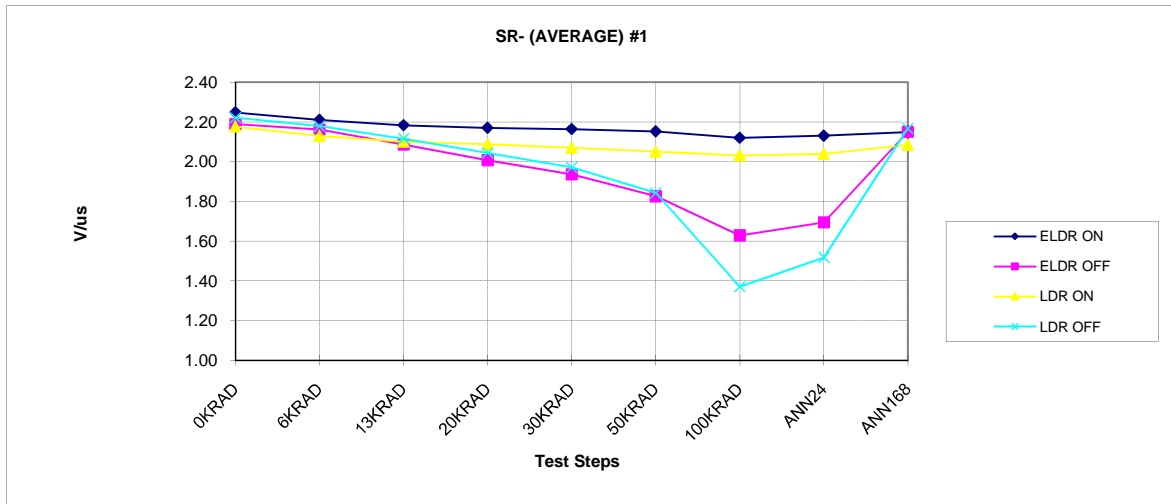
Bias off results									
7 OFF	2.27	2.25	2.17	2.08	2.01	1.90	1.76	1.78	2.25
8 OFF	2.23	2.19	2.11	2.04	1.96	1.86	1.64	1.72	2.18
9 OFF	2.19	2.17	2.10	2.01	1.93	1.82	1.66	1.68	2.15
10 OFF	2.07	2.04	1.98	1.91	1.84	1.74	1.53	1.61	2.04
11 OFF	2.19	2.16	2.08	2.00	1.93	1.82	1.56	1.68	2.12
Statistics bias off									
min result	2.07	2.04	1.98	1.91	1.84	1.74	1.53	1.61	2.04
max result	2.27	2.25	2.17	2.08	2.01	1.90	1.76	1.78	2.25
average	2.19	2.16	2.09	2.01	1.94	1.83	1.63	1.69	2.15
sigma	0.07	0.07	0.07	0.06	0.06	0.06	0.09	0.06	0.08



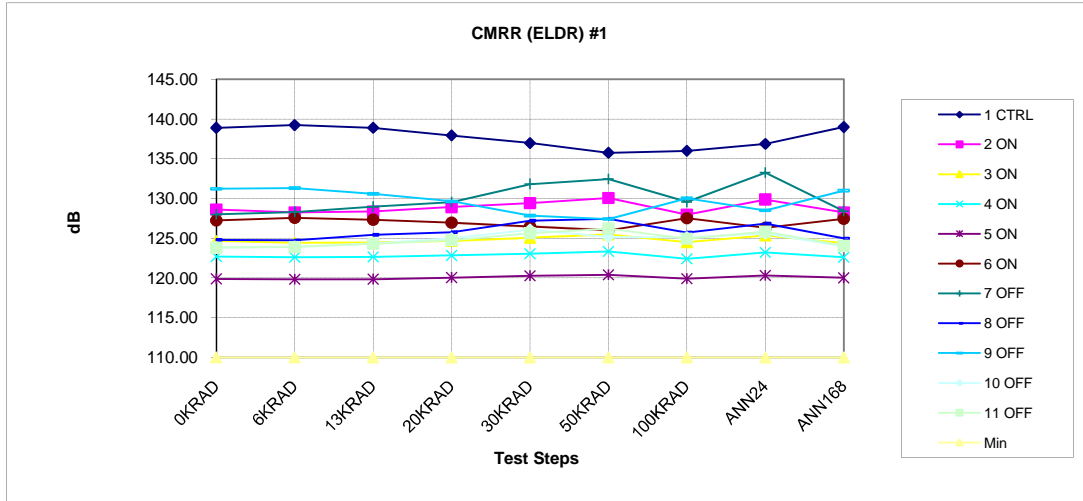
SR- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	2.21	2.21	2.20	2.20	2.20	2.19	2.19	2.19	2.19

Bias on results									
2 ON	2.22	2.18	2.15	2.13	2.11	2.10	2.07	2.09	2.12
3 ON	2.22	2.18	2.14	2.13	2.11	2.10	2.08	2.09	2.12
4 ON	2.25	2.18	2.16	2.14	2.13	2.11	2.09	2.09	2.13
5 ON	2.13	2.08	2.06	2.06	2.03	2.00	1.99	2.00	2.05
6 ON	2.06	2.03	1.99	1.99	1.96	1.94	1.93	1.94	2.00
Statistics bias on									
min result	2.06	2.03	1.99	1.99	1.96	1.94	1.93	1.94	2.00
max result	2.25	2.18	2.16	2.14	2.13	2.11	2.09	2.09	2.13
average	2.18	2.13	2.10	2.09	2.07	2.05	2.03	2.04	2.08
sigma	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06

Bias off results									
7 OFF	2.21	2.17	2.12	2.05	1.98	1.85	1.30	1.43	2.15
8 OFF	2.22	2.18	2.12	2.05	1.98	1.85	1.64	1.68	2.17
9 OFF	2.26	2.21	2.14	2.06	1.98	1.85	1.30	1.46	2.20
10 OFF	2.22	2.18	2.12	2.05	1.98	1.85	1.37	1.61	2.17
11 OFF	2.20	2.16	2.10	2.01	1.94	1.81	1.25	1.41	2.14
Statistics bias off									
min result	2.20	2.16	2.10	2.01	1.94	1.81	1.25	1.41	2.14
max result	2.26	2.21	2.14	2.06	1.98	1.85	1.64	1.68	2.20
average	2.22	2.18	2.12	2.04	1.97	1.84	1.37	1.52	2.17
sigma	0.02	0.02	0.01	0.02	0.02	0.02	0.16	0.12	0.02



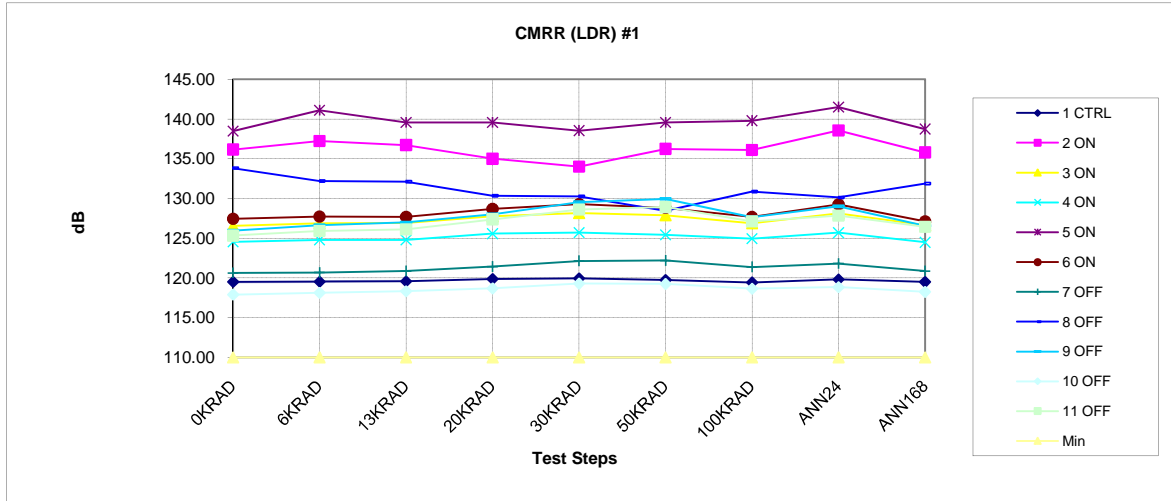
SR- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	2.25	2.21	2.18	2.17	2.16	2.15	2.12	2.13	2.15
ELDR OFF	2.19	2.16	2.09	2.01	1.94	1.83	1.63	1.69	2.15
LDR ON	2.18	2.13	2.10	2.09	2.07	2.05	2.03	2.04	2.08
LDR OFF	2.22	2.18	2.12	2.04	1.97	1.84	1.37	1.52	2.17



CMRR (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	110	110	110	110	110	110	110	110	110
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	138.89	139.24	138.89	137.93	136.97	135.75	136.00	136.87	139.00

Bias on results									
2 ON	128.62	128.26	128.37	128.92	129.41	130.06	127.95	129.88	128.25
3 ON	124.65	124.43	124.46	124.68	125.07	125.47	124.51	125.34	124.39
4 ON	122.69	122.62	122.65	122.83	123.05	123.33	122.42	123.21	122.62
5 ON	119.89	119.83	119.85	120.05	120.28	120.40	119.90	120.33	120.01
6 ON	127.24	127.57	127.34	126.97	126.47	126.01	127.52	126.30	127.43
Statistics bias on									
min result	119.89	119.83	119.85	120.05	120.28	120.40	119.90	120.33	120.01
max result	128.62	128.26	128.37	128.92	129.41	130.06	127.95	129.88	128.25
average	124.62	124.54	124.53	124.69	124.85	125.05	124.46	125.01	124.54
sigma	3.50	3.49	3.47	3.47	3.45	3.56	3.41	3.56	3.40

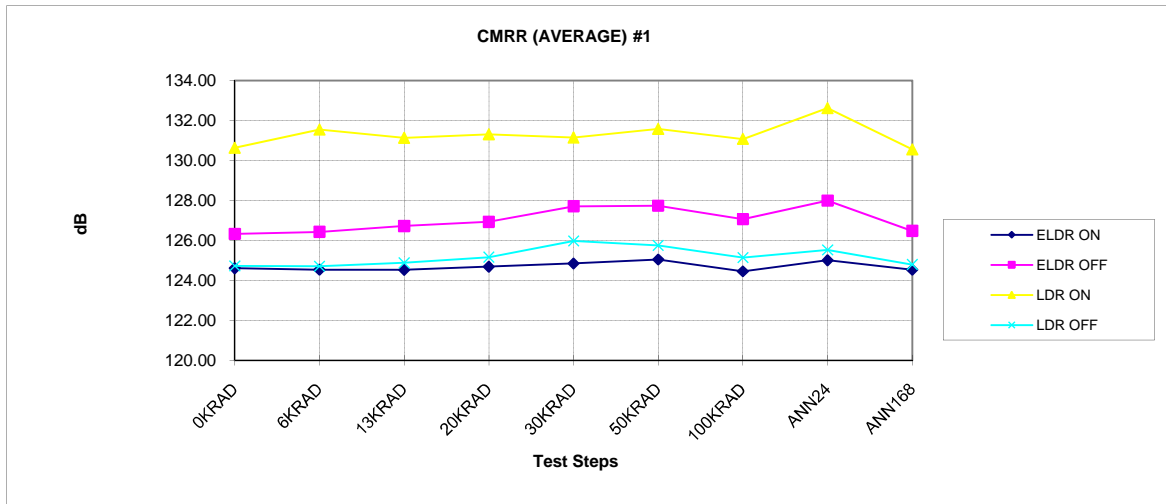
Bias off results									
7 OFF	128.00	128.30	128.96	129.53	131.81	132.44	129.56	133.25	128.41
8 OFF	124.78	124.73	125.42	125.75	127.21	127.46	125.70	126.83	124.97
9 OFF	131.22	131.31	130.60	129.64	127.84	127.42	130.04	128.51	130.99
10 OFF	123.85	123.94	124.34	124.98	126.09	125.14	125.11	125.58	124.00
11 OFF	123.80	123.89	124.29	124.75	125.63	126.21	124.95	125.83	124.04
Statistics bias off									
min result	123.80	123.89	124.29	124.75	125.63	125.14	124.95	125.58	124.00
max result	131.22	131.31	130.60	129.64	131.81	132.44	130.04	133.25	130.99
average	126.33	126.43	126.72	126.93	127.72	127.74	127.07	128.00	126.48
sigma	3.22	3.27	2.88	2.45	2.45	2.80	2.51	3.15	3.10



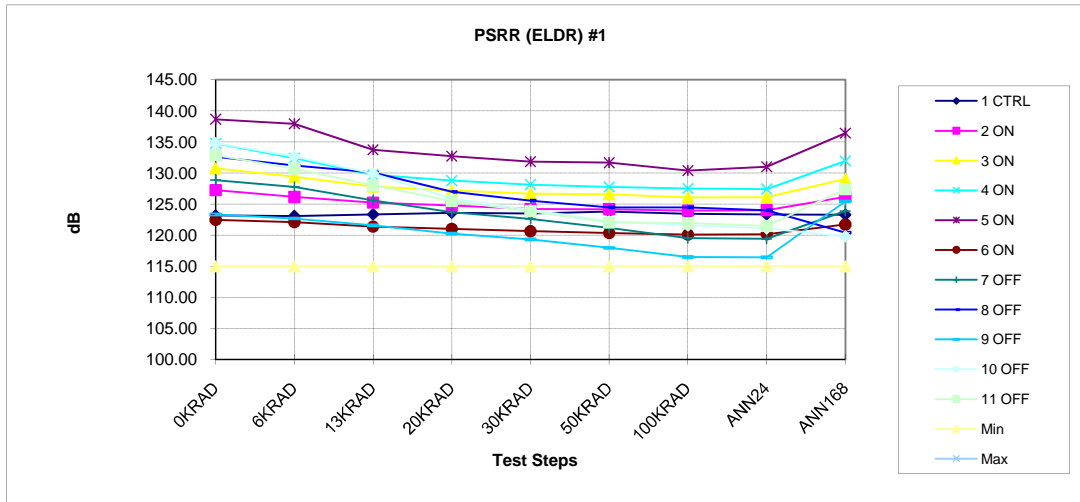
CMRR (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	110	110	110	110	110	110	110	110	110
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	119.51	119.53	119.57	119.87	119.95	119.75	119.43	119.81	119.50

Bias on results									
2 ON	136.16	137.24	136.73	135.00	134.00	136.24	136.10	138.56	135.80
3 ON	126.57	126.88	126.90	127.76	128.18	127.90	126.89	128.12	126.63
4 ON	124.53	124.80	124.78	125.57	125.71	125.43	124.96	125.69	124.49
5 ON	138.48	141.10	139.57	139.56	138.54	139.56	139.78	141.50	138.74
6 ON	127.44	127.72	127.67	128.70	129.31	128.81	127.67	129.25	127.12
Statistics bias on									
min result	124.53	124.80	124.78	125.57	125.71	125.43	124.96	125.69	124.49
max result	138.48	141.10	139.57	139.56	138.54	139.56	139.78	141.50	138.74
average	130.64	131.55	131.13	131.32	131.15	131.59	131.08	132.63	130.56
sigma	6.25	7.17	6.57	5.79	5.11	6.01	6.47	6.96	6.30

Bias off results									
7 OFF	120.63	120.68	120.86	121.43	122.14	122.19	121.38	121.82	120.87
8 OFF	133.83	132.19	132.11	130.34	130.26	128.46	130.88	130.12	131.88
9 OFF	125.96	126.63	126.98	128.00	129.54	129.96	127.66	129.01	126.56
10 OFF	117.91	118.14	118.34	118.69	119.32	119.26	118.67	118.84	118.26
11 OFF	125.33	125.90	126.11	127.38	128.61	128.92	127.12	127.85	126.43
Statistics bias off									
min result	117.91	118.14	118.34	118.69	119.32	119.26	118.67	118.84	118.26
max result	133.83	132.19	132.11	130.34	130.26	129.96	130.88	130.12	131.88
average	124.73	124.71	124.88	125.17	125.97	125.76	125.14	125.53	124.80
sigma	6.08	5.49	5.41	4.89	4.93	4.74	4.98	4.93	5.34



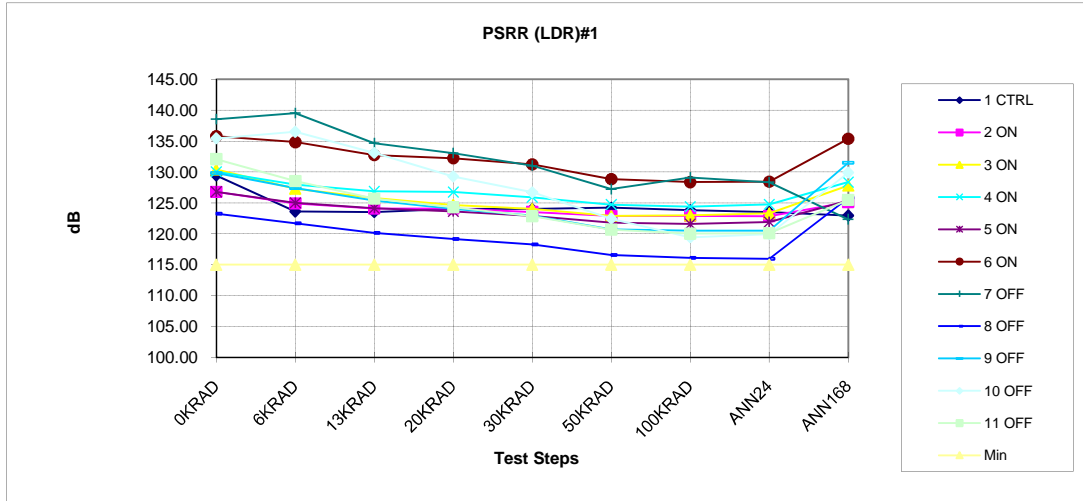
CMRR (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	124.62	124.54	124.53	124.69	124.85	125.05	124.46	125.01	124.54
ELDR OFF	126.33	126.43	126.72	126.93	127.72	127.74	127.07	128.00	126.48
LDR ON	130.64	131.55	131.13	131.32	131.15	131.59	131.08	132.63	130.56
LDR OFF	124.73	124.71	124.88	125.17	125.97	125.76	125.14	125.53	124.80



PSRR (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	123.16	123.09	123.33	123.59	123.51	123.82	123.46	123.34	123.26

Bias on results									
2 ON	127.24	126.14	125.25	124.75	124.21	124.18	123.95	124.02	126.16
3 ON	130.76	129.43	127.79	127.18	126.69	126.59	126.05	126.11	129.03
4 ON	134.77	132.40	129.70	128.77	128.14	127.77	127.49	127.42	131.92
5 ON	138.65	137.90	133.74	132.70	131.82	131.65	130.39	131.02	136.43
6 ON	122.48	122.08	121.36	121.00	120.63	120.34	120.09	120.17	121.72
Statistics bias on									
min result	122.48	122.08	121.36	121.00	120.63	120.34	120.09	120.17	121.72
max result	138.65	137.90	133.74	132.70	131.82	131.65	130.39	131.02	136.43
average	130.78	129.59	127.57	126.88	126.30	126.11	125.59	125.75	129.05
sigma	6.31	6.03	4.65	4.38	4.20	4.21	3.87	4.03	5.59

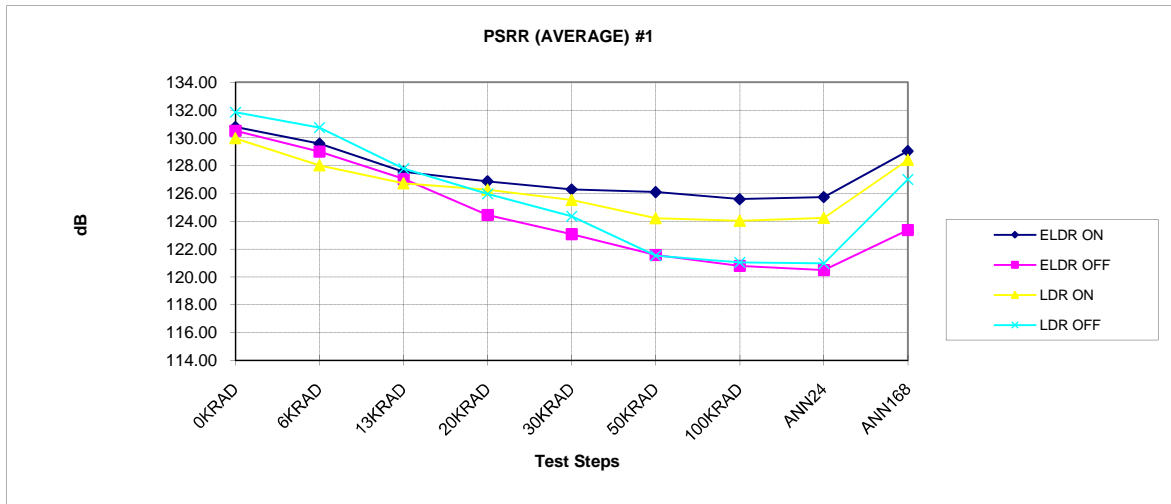
Bias off results									
7 OFF	128.87	127.78	125.62	123.69	122.62	121.15	119.50	119.40	123.87
8 OFF	132.62	131.21	130.09	126.97	125.54	124.48	124.49	124.01	120.38
9 OFF	123.35	122.69	121.60	120.23	119.32	117.95	116.48	116.44	125.42
10 OFF	134.80	132.67	129.91	125.84	124.04	122.24	121.58	121.11	119.80
11 OFF	132.87	130.70	128.01	125.51	123.86	122.04	121.93	121.49	127.40
Statistics bias off									
min result	123.35	122.69	121.60	120.23	119.32	117.95	116.48	116.44	119.80
max result	134.80	132.67	130.09	126.97	125.54	124.48	124.49	124.01	127.40
average	130.50	129.01	127.04	124.45	123.08	121.57	120.80	120.49	123.38
sigma	4.54	3.96	3.54	2.64	2.34	2.37	2.99	2.80	3.25



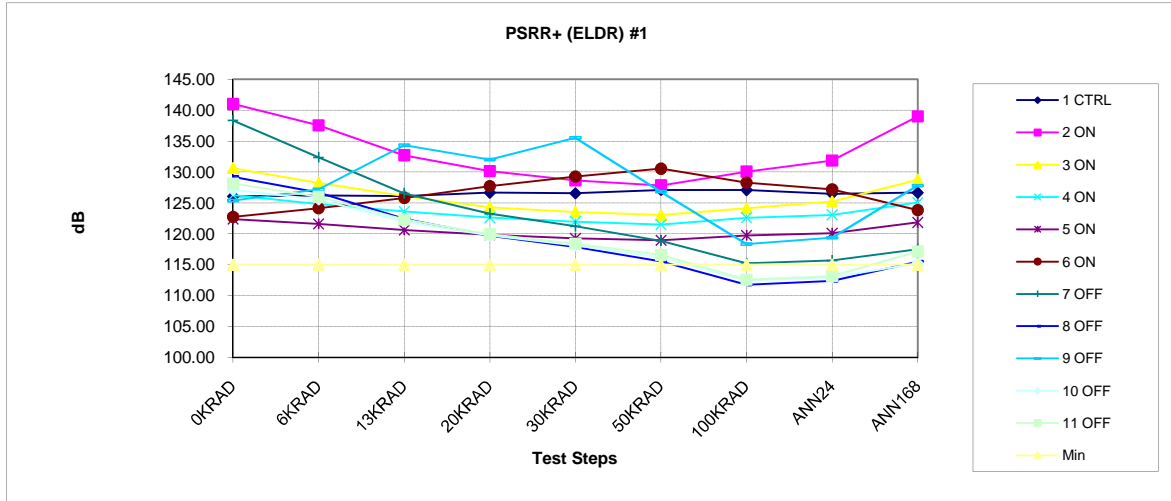
PSRR (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	129.44	123.61	123.52	124.01	124.01	124.22	123.81	123.52	122.96

Bias on results									
2 ON	126.80	124.92	124.10	124.11	123.54	122.91	122.90	122.83	125.11
3 ON	130.40	127.32	125.80	124.66	124.02	122.87	123.00	123.32	127.83
4 ON	130.04	127.95	126.86	126.76	125.92	124.73	124.39	124.76	128.37
5 ON	126.80	125.02	124.13	123.61	122.91	121.80	121.58	121.91	125.38
6 ON	135.78	134.84	132.74	132.24	131.24	128.84	128.36	128.45	135.38
Statistics bias on									
min result	126.80	124.92	124.10	123.61	122.91	121.80	121.58	121.91	125.11
max result	135.78	134.84	132.74	132.24	131.24	128.84	128.36	128.45	135.38
average	129.96	128.01	126.73	126.28	125.53	124.23	124.04	124.25	128.41
sigma	3.68	4.05	3.56	3.54	3.39	2.78	2.61	2.56	4.16

Bias off results									
7 OFF	138.54	139.52	134.67	133.05	131.02	127.23	129.11	128.35	122.35
8 OFF	123.27	121.71	120.15	119.17	118.29	116.59	116.12	115.96	125.79
9 OFF	129.85	127.41	125.37	124.05	122.93	120.70	120.53	120.49	131.50
10 OFF	135.45	136.50	133.09	129.28	126.72	122.45	119.43	119.94	129.90
11 OFF	132.09	128.55	125.71	124.30	122.85	120.66	120.02	120.09	125.50
Statistics bias off									
min result	123.27	121.71	120.15	119.17	118.29	116.59	116.12	115.96	122.35
max result	138.54	139.52	134.67	133.05	131.02	127.23	129.11	128.35	131.50
average	131.84	130.74	127.80	125.97	124.36	121.52	121.04	120.97	127.01
sigma	5.82	7.21	6.00	5.34	4.77	3.84	4.83	4.52	3.67



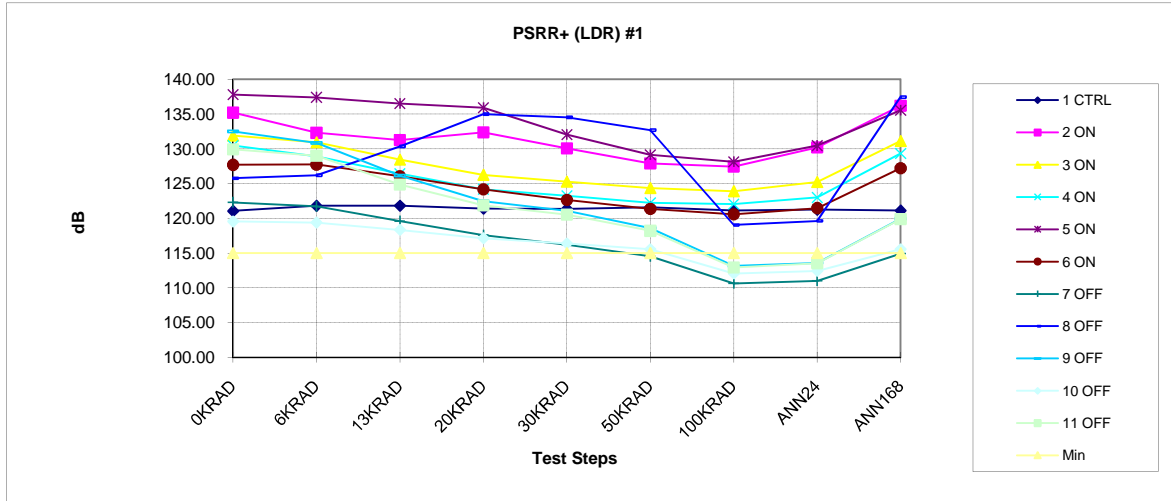
PSRR (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	130.78	129.59	127.57	126.88	126.30	126.11	125.59	125.75	129.05
ELDR OFF	130.50	129.01	127.04	124.45	123.08	121.57	120.80	120.49	123.38
LDR ON	129.96	128.01	126.73	126.28	125.53	124.23	124.04	124.25	128.41
LDR OFF	131.84	130.74	127.80	125.97	124.36	121.52	121.04	120.97	127.01



PSRR+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	126.06	126.21	126.11	126.65	126.57	127.10	127.09	126.49	126.66

Bias on results									
2 ON	141.00	137.56	132.71	130.14	128.65	127.84	130.06	131.84	138.99
3 ON	130.64	128.24	126.11	124.31	123.52	123.05	124.12	125.23	128.76
4 ON	126.27	124.79	123.60	122.61	121.98	121.51	122.60	123.07	125.07
5 ON	122.40	121.59	120.62	119.85	119.26	118.96	119.73	120.11	121.84
6 ON	122.74	124.14	125.80	127.71	129.27	130.54	128.30	127.19	123.83
Statistics bias on									
min result	122.40	121.59	120.62	119.85	119.26	118.96	119.73	120.11	121.84
max result	141.00	137.56	132.71	130.14	129.27	130.54	130.06	131.84	138.99
average	128.61	127.26	125.77	124.92	124.53	124.38	124.96	125.49	127.70
sigma	7.69	6.23	4.46	4.07	4.32	4.73	4.21	4.42	6.80

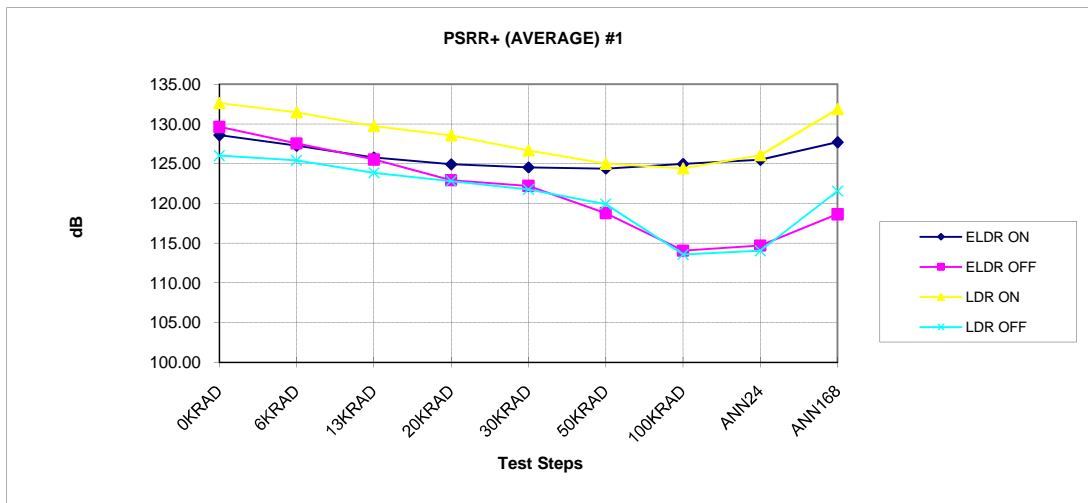
Bias off results									
7 OFF	138.34	132.37	126.54	123.25	121.22	118.84	115.23	115.69	117.49
8 OFF	129.20	126.65	122.43	119.68	117.85	115.55	111.78	112.40	115.51
9 OFF	125.37	127.21	134.34	132.00	135.53	126.80	118.32	119.35	127.79
10 OFF	127.14	125.56	121.98	119.74	118.11	116.18	112.44	112.94	115.23
11 OFF	128.13	125.99	122.33	119.94	118.37	116.57	112.58	113.17	117.15
Statistics bias off									
min result	125.37	125.56	121.98	119.68	117.85	115.55	111.78	112.40	115.23
max result	138.34	132.37	134.34	132.00	135.53	126.80	118.32	119.35	127.79
average	129.63	127.56	125.52	122.92	122.21	118.79	114.07	114.71	118.64
sigma	5.06	2.77	5.27	5.29	7.57	4.65	2.72	2.89	5.21



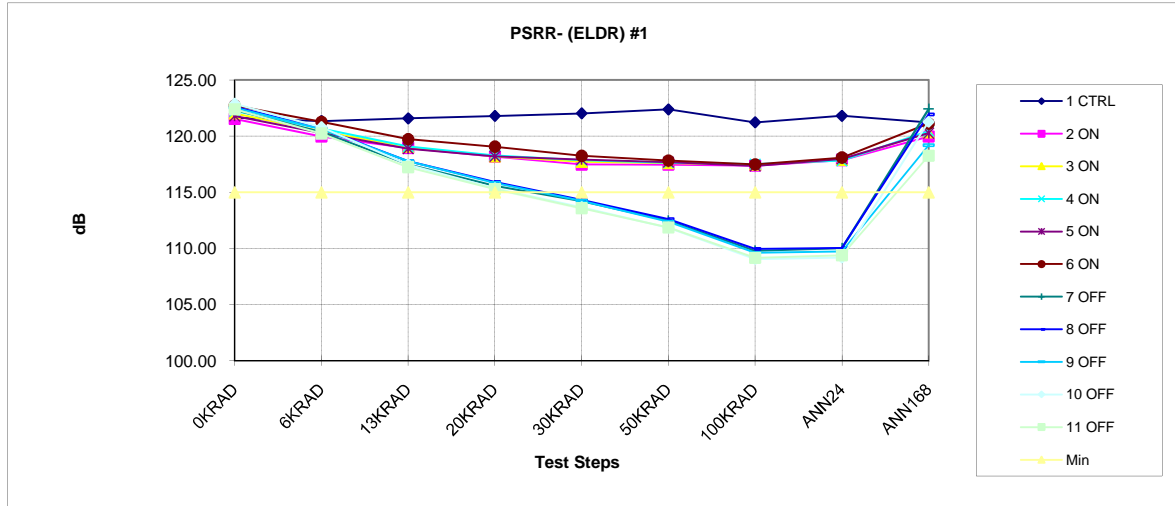
PSRR+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	121.07	121.81	121.83	121.42	121.39	121.61	121.12	121.27	121.13

Bias on results									
2 ON	135.20	132.30	131.25	132.37	130.05	127.91	127.46	130.19	136.20
3 ON	131.91	130.94	128.44	126.26	125.29	124.35	123.89	125.23	131.13
4 ON	130.46	128.94	126.43	124.19	123.26	122.23	122.05	123.00	129.33
5 ON	137.80	137.40	136.50	135.92	132.06	129.15	128.12	130.46	135.54
6 ON	127.70	127.75	126.06	124.16	122.65	121.35	120.57	121.48	127.20
Statistics bias on									
min result	127.70	127.75	126.06	124.16	122.65	121.35	120.57	121.48	127.20
max result	137.80	137.40	136.50	135.92	132.06	129.15	128.12	130.46	136.20
average	132.61	131.46	129.74	128.58	126.66	125.00	124.42	126.07	131.88
sigma	3.97	3.76	4.31	5.30	4.19	3.43	3.30	4.11	3.91

Bias off results									
7 OFF	122.31	121.72	119.61	117.59	116.22	114.53	110.65	111.01	114.93
8 OFF	125.76	126.18	130.33	135.00	134.52	132.69	119.05	119.64	137.45
9 OFF	132.51	130.85	126.14	122.48	121.09	118.60	113.17	113.57	119.94
10 OFF	119.55	119.40	118.34	117.14	116.38	115.55	112.07	112.44	115.55
11 OFF	129.91	129.00	124.86	121.88	120.53	118.22	112.95	113.54	119.88
Statistics bias off									
min result	119.55	119.40	118.34	117.14	116.22	114.53	110.65	111.01	114.93
max result	132.51	130.85	130.33	135.00	134.52	132.69	119.05	119.64	137.45
average	126.01	125.43	123.86	122.82	121.75	119.92	113.57	114.04	121.55
sigma	5.32	4.82	4.91	7.23	7.49	7.35	3.21	3.30	9.19



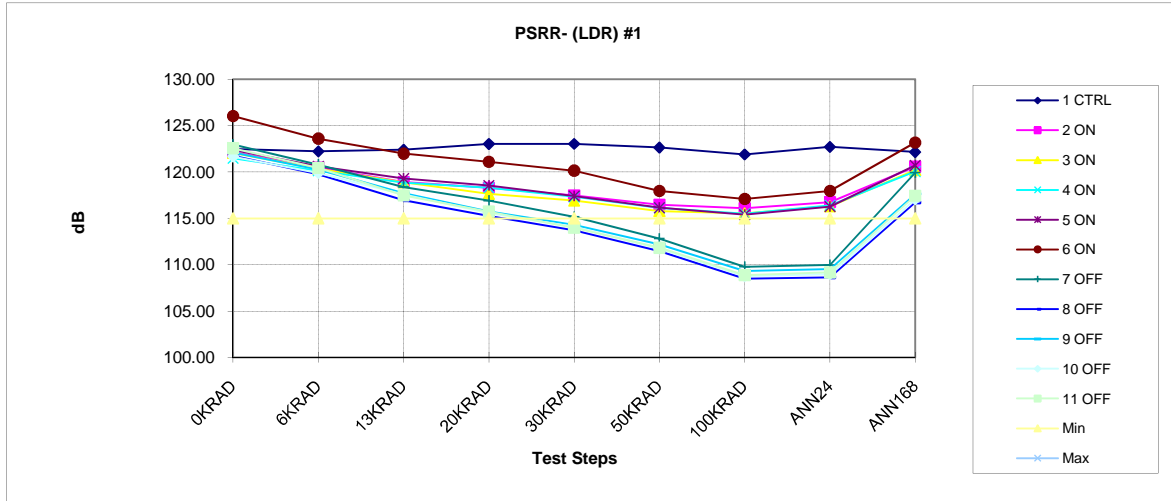
PSRR+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	128.61	127.26	125.77	124.92	124.53	124.38	124.96	125.49	127.70
ELDR OFF	129.63	127.56	125.52	122.92	122.21	118.79	114.07	114.71	118.64
LDR ON	132.61	131.46	129.74	128.58	126.66	125.00	124.42	126.07	131.88
LDR OFF	126.01	125.43	123.86	122.82	121.75	119.92	113.57	114.04	121.55



PSRR- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	121.66	121.33	121.58	121.80	122.02	122.38	121.23	121.81	121.22

Bias on results									
2 ON	121.53	119.98	118.95	118.17	117.48	117.47	117.38	117.86	119.98
3 ON	122.03	120.42	119.06	118.20	117.71	117.60	117.47	117.88	120.34
4 ON	122.24	120.69	119.08	118.30	117.86	117.63	117.51	117.82	120.46
5 ON	121.79	120.29	118.89	118.20	117.92	117.69	117.35	117.97	120.27
6 ON	122.73	121.28	119.73	119.07	118.25	117.84	117.48	118.10	121.13
Statistics bias on									
min result	121.53	119.98	118.89	118.17	117.48	117.47	117.35	117.82	119.98
max result	122.73	121.28	119.73	119.07	118.25	117.84	117.51	118.10	121.13
average	122.06	120.53	119.14	118.39	117.84	117.65	117.44	117.93	120.44
sigma	0.46	0.49	0.34	0.38	0.28	0.14	0.07	0.11	0.43

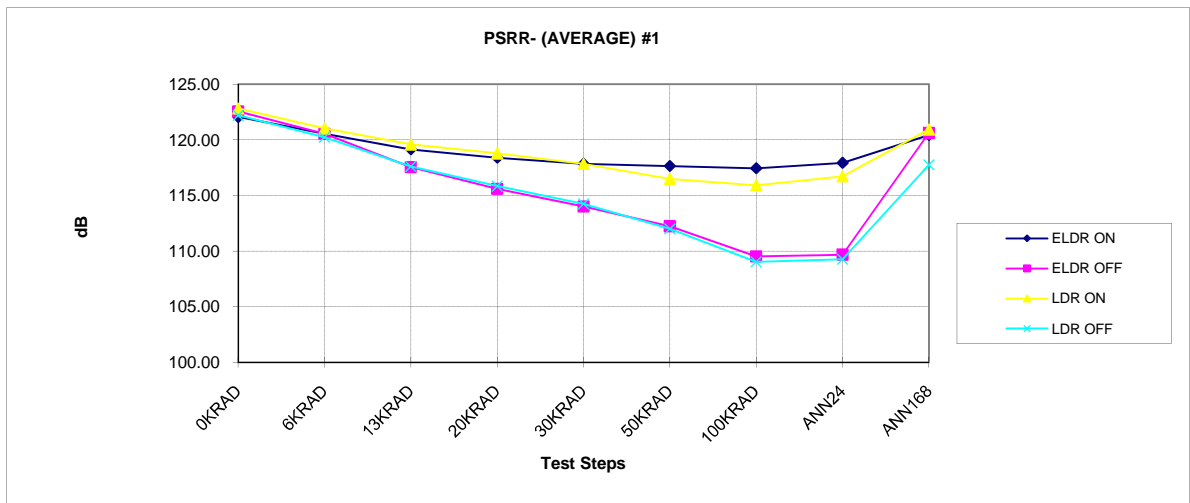
Bias off results									
7 OFF	122.35	120.36	117.49	115.59	114.22	112.46	109.80	110.01	122.43
8 OFF	122.62	120.68	117.78	115.93	114.32	112.61	109.96	110.05	121.94
9 OFF	122.53	120.64	117.79	115.85	114.24	112.39	109.61	109.75	119.20
10 OFF	122.89	120.79	117.45	115.35	113.68	111.84	109.05	109.21	121.27
11 OFF	122.39	120.24	117.24	115.29	113.59	111.88	109.17	109.39	118.25
Statistics bias off									
min result	122.35	120.24	117.24	115.29	113.59	111.84	109.05	109.21	118.25
max result	122.89	120.79	117.79	115.93	114.32	112.61	109.96	110.05	122.43
average	122.55	120.54	117.55	115.60	114.01	112.24	109.52	109.68	120.62
sigma	0.21	0.23	0.23	0.28	0.35	0.35	0.40	0.37	1.81



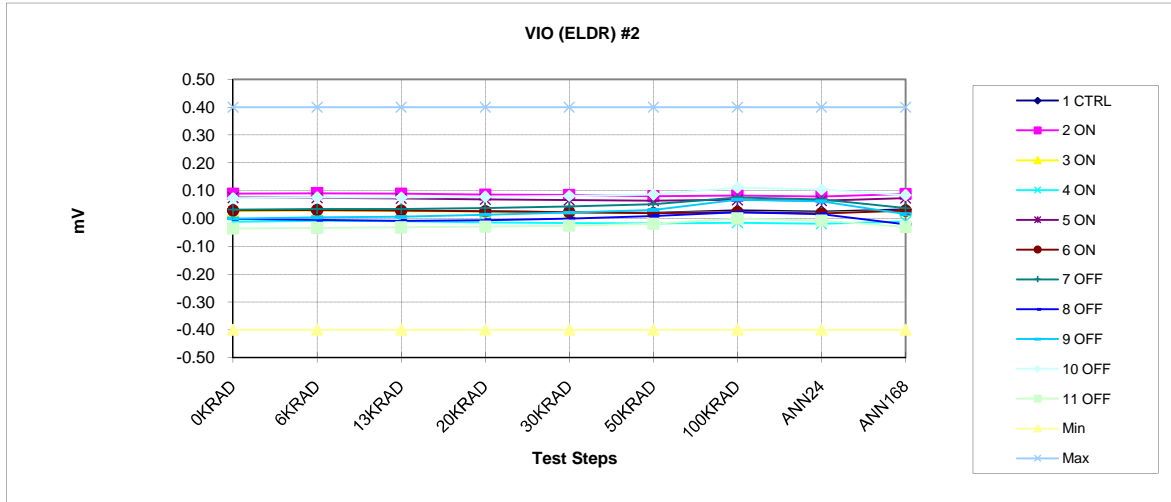
PSRR- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	122.47	122.23	122.40	123.03	123.04	122.65	121.90	122.71	122.15

Bias on results									
2 ON	122.15	120.48	118.93	118.30	117.46	116.47	116.10	116.74	120.56
3 ON	122.06	120.32	118.89	117.63	116.91	115.78	115.54	116.29	120.21
4 ON	121.48	120.13	118.86	118.31	117.32	116.13	115.50	116.39	120.05
5 ON	122.39	120.60	119.30	118.54	117.40	116.15	115.39	116.26	120.71
6 ON	126.04	123.60	121.98	121.11	120.15	117.96	117.10	117.95	123.17
Statistics bias on									
min result	121.48	120.13	118.86	117.63	116.91	115.78	115.39	116.26	120.05
max result	126.04	123.60	121.98	121.11	120.15	117.96	117.10	117.95	123.17
average	122.82	121.03	119.59	118.78	117.85	116.50	115.93	116.73	120.94
sigma	1.83	1.45	1.35	1.35	1.30	0.85	0.71	0.71	1.27

Bias off results									
7 OFF	122.95	120.80	118.37	116.90	115.17	112.81	109.77	109.98	119.93
8 OFF	121.76	119.74	116.94	115.27	113.72	111.46	108.48	108.62	116.72
9 OFF	122.09	120.26	117.71	115.74	114.29	112.19	109.32	109.53	117.62
10 OFF	121.66	119.88	117.57	115.58	114.07	111.75	108.77	109.00	117.07
11 OFF	122.56	120.45	117.47	115.72	114.00	111.83	108.88	109.17	117.43
Statistics bias off									
min result	121.66	119.74	116.94	115.27	113.72	111.46	108.48	108.62	116.72
max result	122.95	120.80	118.37	116.90	115.17	112.81	109.77	109.98	119.93
average	122.20	120.23	117.61	115.84	114.25	112.01	109.04	109.26	117.76
sigma	0.54	0.43	0.52	0.62	0.55	0.52	0.51	0.52	1.26



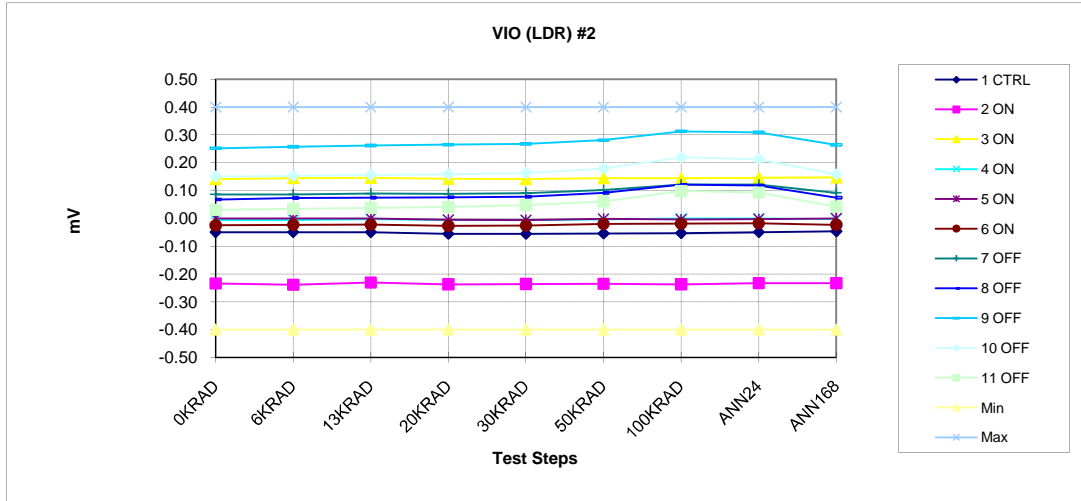
PSRR- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	122.06	120.53	119.14	118.39	117.84	117.65	117.44	117.93	120.44
ELDR OFF	122.55	120.54	117.55	115.60	114.01	112.24	109.52	109.68	120.62
LDR ON	122.82	121.03	119.59	118.78	117.85	116.50	115.93	116.73	120.94
LDR OFF	122.20	120.23	117.61	115.84	114.25	112.01	109.04	109.26	117.76



VIO (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 CTRL	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03

Bias on results									
2 ON	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.09
3 ON	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.03
4 ON	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.01
5 ON	0.08	0.07	0.07	0.07	0.07	0.06	0.07	0.06	0.07
6 ON	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.03
Statistics bias on									
min result	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.01
max result	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.09
average	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.04
sigma	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

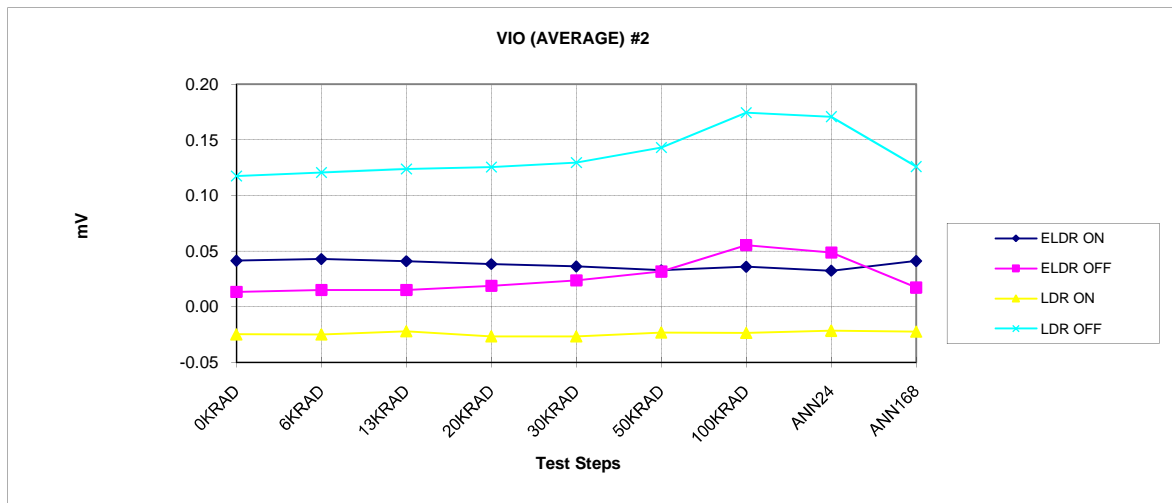
Bias off results									
7 OFF	0.03	0.03	0.03	0.04	0.04	0.05	0.08	0.07	0.04
8 OFF	0.00	-0.01	-0.01	-0.01	0.00	0.01	0.02	0.02	-0.02
9 OFF	0.00	0.00	0.01	0.01	0.02	0.03	0.07	0.06	0.02
10 OFF	0.07	0.08	0.08	0.08	0.08	0.09	0.11	0.10	0.08
11 OFF	-0.04	-0.03	-0.03	-0.03	-0.03	-0.02	0.00	-0.01	-0.03
Statistics bias off									
min result	-0.04	-0.03	-0.03	-0.03	-0.03	-0.02	0.00	-0.01	-0.03
max result	0.07	0.08	0.08	0.08	0.08	0.09	0.11	0.10	0.08
average	0.01	0.02	0.02	0.02	0.02	0.03	0.06	0.05	0.02
sigma	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05



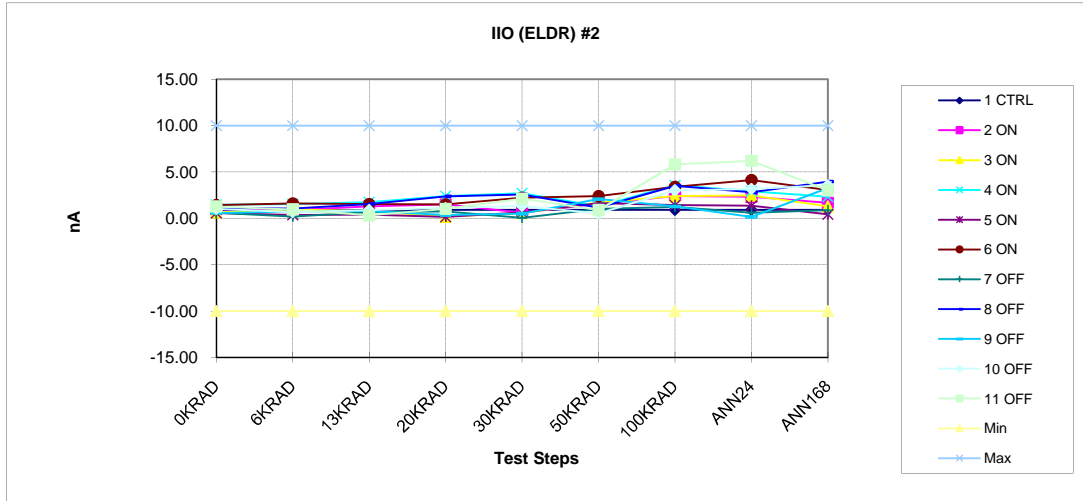
VIO (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 CTRL	-0.05	-0.05	-0.05	-0.06	-0.06	-0.06	-0.05	-0.05	-0.05

Bias on results									
2 ON	-0.23	-0.24	-0.23	-0.24	-0.24	-0.24	-0.24	-0.23	-0.23
3 ON	0.14	0.14	0.15	0.14	0.14	0.15	0.14	0.15	0.15
4 ON	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
5 ON	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
6 ON	-0.03	-0.02	-0.02	-0.03	-0.03	-0.02	-0.02	-0.02	-0.02
Statistics bias on									
min result	-0.23	-0.24	-0.23	-0.24	-0.24	-0.24	-0.24	-0.23	-0.23
max result	0.14	0.14	0.15	0.14	0.14	0.15	0.14	0.15	0.15
average	-0.02	-0.03	-0.02	-0.03	-0.03	-0.02	-0.02	-0.02	-0.02
sigma	0.13	0.14	0.13	0.14	0.13	0.14	0.14	0.14	0.14

Bias off results									
7 OFF	0.09	0.09	0.09	0.09	0.09	0.10	0.12	0.12	0.09
8 OFF	0.07	0.07	0.07	0.08	0.08	0.09	0.12	0.12	0.07
9 OFF	0.25	0.26	0.26	0.27	0.27	0.28	0.31	0.31	0.26
10 OFF	0.15	0.15	0.16	0.16	0.16	0.18	0.22	0.21	0.16
11 OFF	0.03	0.03	0.04	0.04	0.05	0.06	0.10	0.09	0.04
Statistics bias off									
min result	0.03	0.03	0.04	0.04	0.05	0.06	0.10	0.09	0.04
max result	0.25	0.26	0.26	0.27	0.27	0.28	0.31	0.31	0.26
average	0.12	0.12	0.12	0.13	0.13	0.14	0.17	0.17	0.13
sigma	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09



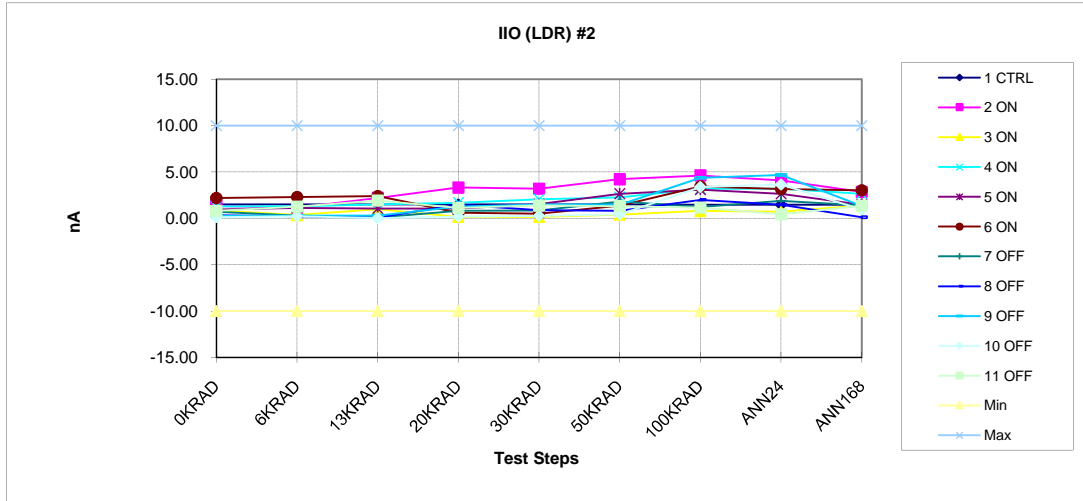
VIO (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.04
ELDR OFF	0.01	0.02	0.02	0.02	0.02	0.03	0.06	0.05	0.02
LDR ON	-0.02	-0.03	-0.02	-0.03	-0.03	-0.02	-0.02	-0.02	-0.02
LDR OFF	0.12	0.12	0.12	0.13	0.13	0.14	0.17	0.17	0.13



IIO (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	10	10	10	10	10	10	10	10	10
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	0.90	0.88	0.89	0.93	0.92	0.91	0.91	0.93	0.93

Bias on results									
2 ON	0.98	0.89	1.30	1.49	0.62	1.58	2.42	2.32	1.69
3 ON	0.65	0.96	0.77	0.18	0.59	1.73	2.41	2.46	1.31
4 ON	1.48	1.53	1.75	2.41	2.71	1.29	3.58	2.92	2.34
5 ON	0.57	0.38	0.38	0.15	0.65	1.63	1.42	1.36	0.44
6 ON	1.42	1.60	1.53	1.51	2.24	2.40	3.40	4.14	3.07
Statistics bias on									
min result	0.57	0.38	0.38	0.15	0.59	1.29	1.42	1.36	0.44
max result	1.48	1.60	1.75	2.41	2.71	2.40	3.58	4.14	3.07
average	1.02	1.07	1.15	1.15	1.36	1.73	2.65	2.64	1.77
sigma	0.42	0.51	0.56	0.97	1.03	0.41	0.87	1.01	1.00

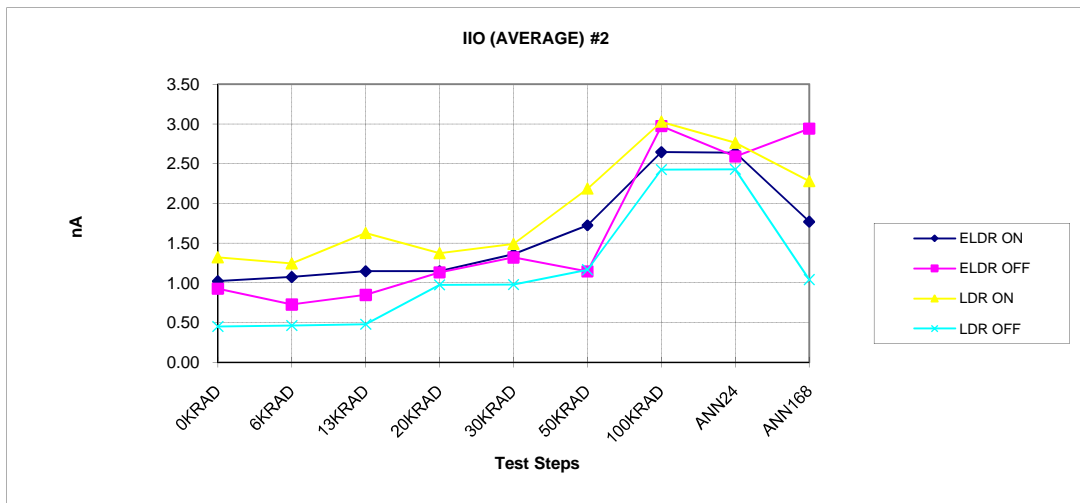
Bias off results									
7 OFF	0.61	0.18	0.69	0.76	0.05	1.03	1.22	0.61	0.88
8 OFF	1.13	1.05	1.56	2.39	2.57	1.17	3.50	2.81	3.96
9 OFF	0.59	0.75	0.78	0.37	0.52	2.08	1.28	0.17	3.27
10 OFF	1.03	0.69	0.90	1.12	1.33	0.55	3.03	3.16	3.56
11 OFF	1.28	0.97	0.32	1.03	2.13	0.90	5.83	6.20	3.04
Statistics bias off									
min result	0.59	0.18	0.32	0.37	0.05	0.55	1.22	0.17	0.88
max result	1.28	1.05	1.56	2.39	2.57	2.08	5.83	6.20	3.96
average	0.93	0.73	0.85	1.13	1.32	1.14	2.97	2.59	2.94
sigma	0.31	0.34	0.45	0.76	1.06	0.57	1.90	2.41	1.20



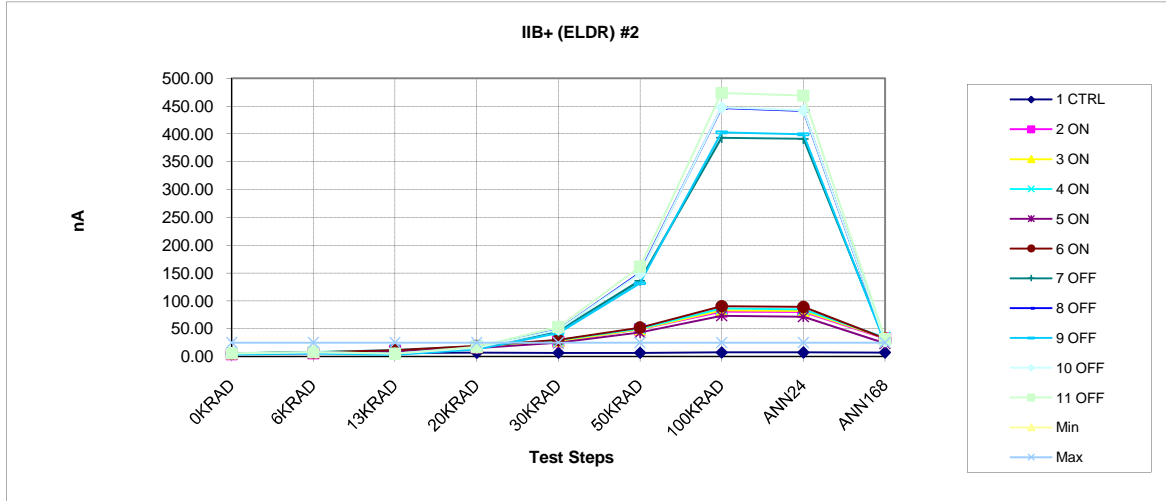
IIO (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	10	10	10	10	10	10	10	10	10
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	1.50	1.50	1.52	1.50	1.50	1.50	1.48	1.48	1.48

Bias on results									
2 ON	1.32	1.15	2.21	3.32	3.21	4.22	4.63	4.09	2.84
3 ON	0.84	0.36	0.98	0.17	0.17	0.40	0.81	0.72	1.41
4 ON	1.29	1.29	1.52	1.70	2.05	2.28	3.19	3.21	2.63
5 ON	0.95	1.13	1.05	1.07	1.53	2.66	3.09	2.64	1.49
6 ON	2.20	2.29	2.39	0.62	0.50	1.37	3.43	3.15	3.03
Statistics bias on									
min result	0.84	0.36	0.98	0.17	0.17	0.40	0.81	0.72	1.41
max result	2.20	2.29	2.39	3.32	3.21	4.22	4.63	4.09	3.03
average	1.32	1.24	1.63	1.37	1.49	2.19	3.03	2.76	2.28
sigma	0.53	0.69	0.65	1.23	1.23	1.44	1.39	1.26	0.77

Bias off results									
7 OFF	0.71	0.31	0.09	0.80	0.86	1.81	1.22	1.90	1.40
8 OFF	0.34	0.22	0.08	1.47	0.87	0.80	1.99	1.49	0.13
9 OFF	0.25	0.29	0.30	1.27	1.51	1.46	4.37	4.67	1.34
10 OFF	0.14	0.23	0.01	0.19	0.27	0.45	3.38	3.65	0.96
11 OFF	0.82	1.27	1.92	1.14	1.39	1.31	1.15	0.44	1.38
Statistics bias off									
min result	0.14	0.22	0.01	0.19	0.27	0.45	1.15	0.44	0.13
max result	0.82	1.27	1.92	1.47	1.51	1.81	4.37	4.67	1.40
average	0.45	0.46	0.48	0.97	0.98	1.17	2.42	2.43	1.04
sigma	0.30	0.45	0.81	0.50	0.49	0.54	1.41	1.71	0.54



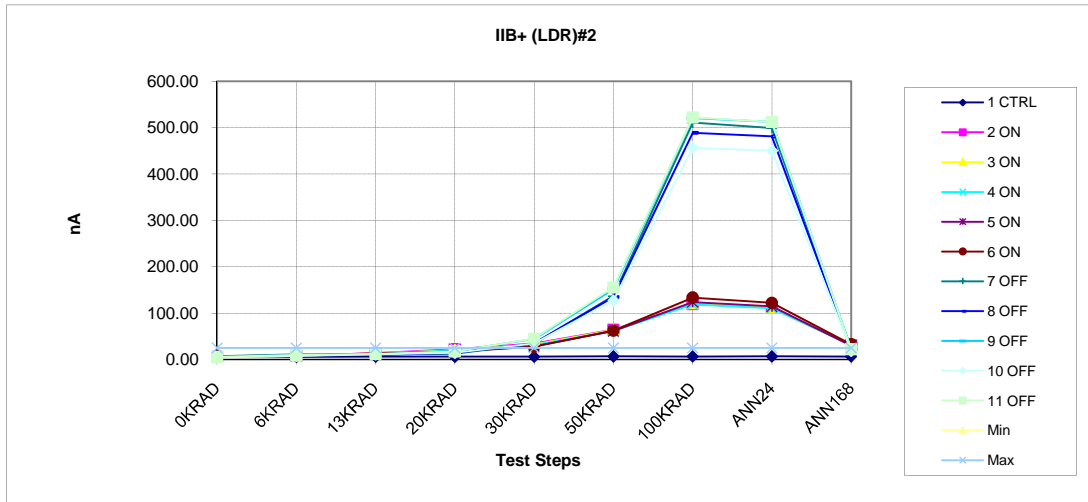
IIO (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.02	1.07	1.15	1.15	1.36	1.73	2.65	2.64	1.77
ELDR OFF	0.93	0.73	0.85	1.13	1.32	1.14	2.97	2.59	2.94
LDR ON	1.32	1.24	1.63	1.37	1.49	2.19	3.03	2.76	2.28
LDR OFF	0.45	0.46	0.48	0.97	0.98	1.17	2.42	2.43	1.04



IIB+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	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	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	6.59	6.54	6.58	6.66	6.60	6.53	7.30	7.33	7.16

Bias on results									
2 ON	4.32	5.66	10.19	17.04	26.96	48.68	80.72	79.86	32.34
3 ON	5.73	7.40	10.06	16.83	27.35	48.72	82.68	81.88	33.41
4 ON	5.99	7.82	11.76	18.73	29.51	50.06	86.29	84.87	34.19
5 ON	4.99	6.13	9.06	15.02	24.51	42.98	73.11	71.30	23.41
6 ON	5.56	7.42	11.47	18.92	29.94	52.05	90.19	88.94	32.13
Statistics bias on									
min result	4.32	5.66	9.06	15.02	24.51	42.98	73.11	71.30	23.41
max result	5.99	7.82	11.76	18.92	29.94	52.05	90.19	88.94	34.19
average	5.32	6.89	10.51	17.31	27.65	48.50	82.60	81.37	31.10
sigma	0.67	0.93	1.11	1.59	2.19	3.37	6.42	6.59	4.38

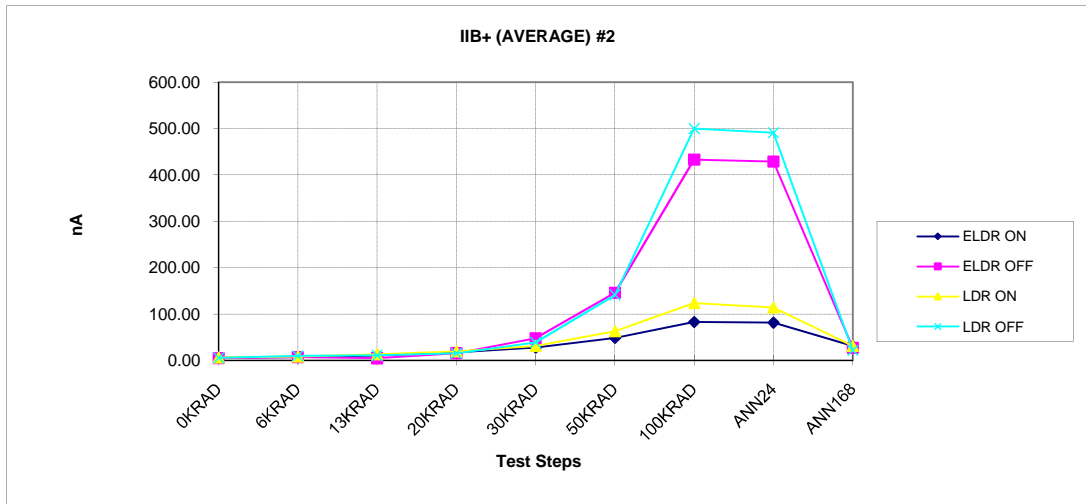
Bias off results									
7 OFF	5.57	7.39	5.17	15.45	45.29	136.25	393.22	391.19	27.28
8 OFF	4.99	7.25	4.69	15.86	48.63	150.89	446.70	441.44	27.30
9 OFF	3.38	5.39	2.97	12.85	42.04	131.61	403.01	399.46	23.25
10 OFF	5.13	7.46	5.33	15.84	47.97	148.47	447.73	442.32	26.95
11 OFF	5.96	7.94	4.98	17.49	52.99	161.36	473.65	468.88	30.95
Statistics bias off									
min result	3.38	5.39	2.97	12.85	42.04	131.61	393.22	391.19	23.25
max result	5.96	7.94	5.33	17.49	52.99	161.36	473.65	468.88	30.95
average	5.01	7.09	4.63	15.50	47.38	145.72	432.86	428.66	27.14
sigma	0.99	0.99	0.96	1.67	4.07	11.91	33.69	32.50	2.73



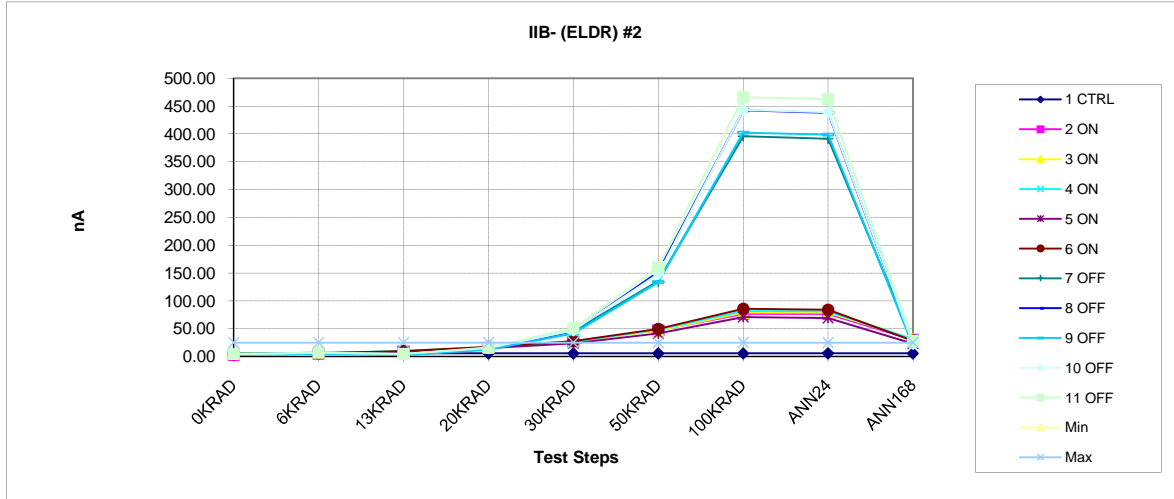
IIB+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-25	-25	-25	-25	-25	-25	-25	-25	-25
Max	25	25	25	25	25	25	25	25	25
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	6.10	5.87	6.02	5.94	5.96	6.75	6.53	6.72	6.53

Bias on results									
2 ON	5.74	7.87	13.65	22.22	34.31	64.12	119.38	111.88	31.20
3 ON	5.35	7.58	12.93	20.36	32.82	63.50	121.12	111.56	30.83
4 ON	6.31	8.19	12.52	19.36	31.16	61.61	119.01	110.38	31.21
5 ON	6.26	8.60	12.20	17.44	28.57	61.25	123.98	114.32	30.04
6 ON	7.05	9.34	13.05	16.43	27.39	62.32	133.65	122.07	32.76
Statistics bias on									
min result	5.35	7.58	12.20	16.43	27.39	61.25	119.01	110.38	30.04
max result	7.05	9.34	13.65	22.22	34.31	64.12	133.65	122.07	32.76
average	6.14	8.32	12.87	19.16	30.85	62.56	123.43	114.04	31.21
sigma	0.64	0.68	0.55	2.31	2.88	1.22	6.04	4.71	0.99

Bias off results									
7 OFF	6.90	11.20	11.24	12.55	34.06	136.46	510.72	499.04	22.87
8 OFF	5.24	9.28	9.58	13.88	34.54	134.78	488.92	481.47	20.42
9 OFF	5.53	9.59	10.88	18.21	44.54	152.17	520.42	512.45	23.15
10 OFF	3.87	7.88	10.90	14.60	34.70	126.85	456.81	450.06	18.73
11 OFF	5.35	9.74	11.58	17.64	44.66	155.48	522.24	512.40	22.29
Statistics bias off									
min result	3.87	7.88	9.58	12.55	34.06	126.85	456.81	450.06	18.73
max result	6.90	11.20	11.58	18.21	44.66	155.48	522.24	512.45	23.15
average	5.38	9.54	10.83	15.38	38.50	141.15	499.82	491.09	21.49
sigma	1.08	1.19	0.76	2.45	5.57	12.18	27.45	26.22	1.88



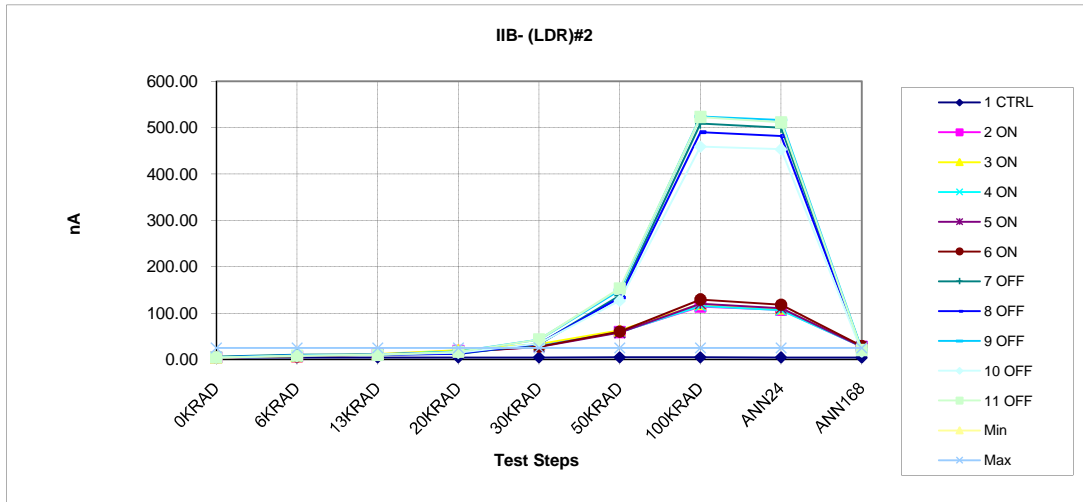
IIB+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	5.32	6.89	10.51	17.31	27.65	48.50	82.60	81.37	31.10
ELDR OFF	5.01	7.09	4.63	15.50	47.38	145.72	432.86	428.66	27.14
LDR ON	6.14	8.32	12.87	19.16	30.85	62.56	123.43	114.04	31.21
LDR OFF	5.38	9.54	10.83	15.38	38.50	141.15	499.82	491.09	21.49



IIB- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	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	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	5.58	5.53	5.61	5.64	5.60	5.54	5.77	5.806	5.527

Bias on results									
2 ON	3.26	4.66	8.76	15.43	26.22	46.94	76.494	76.702	29.906
3 ON	4.99	6.33	9.19	16.55	26.62	46.90	78.605	78.781	31.42
4 ON	4.40	6.20	9.87	16.24	26.69	48.58	81.613	81.141	30.927
5 ON	4.33	5.65	8.56	15.05	23.79	41.22	70.757	69.303	23.171
6 ON	4.02	5.70	9.85	17.29	27.60	49.56	85.936	84.133	28.48
Statistics bias on									
min result	3.26	4.66	8.56	15.05	23.79	41.22	70.76	69.30	23.17
max result	4.99	6.33	9.87	17.29	27.60	49.56	85.94	84.13	31.42
average	4.20	5.71	9.25	16.11	26.18	46.64	78.68	78.01	28.78
sigma	0.63	0.66	0.61	0.89	1.43	3.23	5.67	5.60	3.33

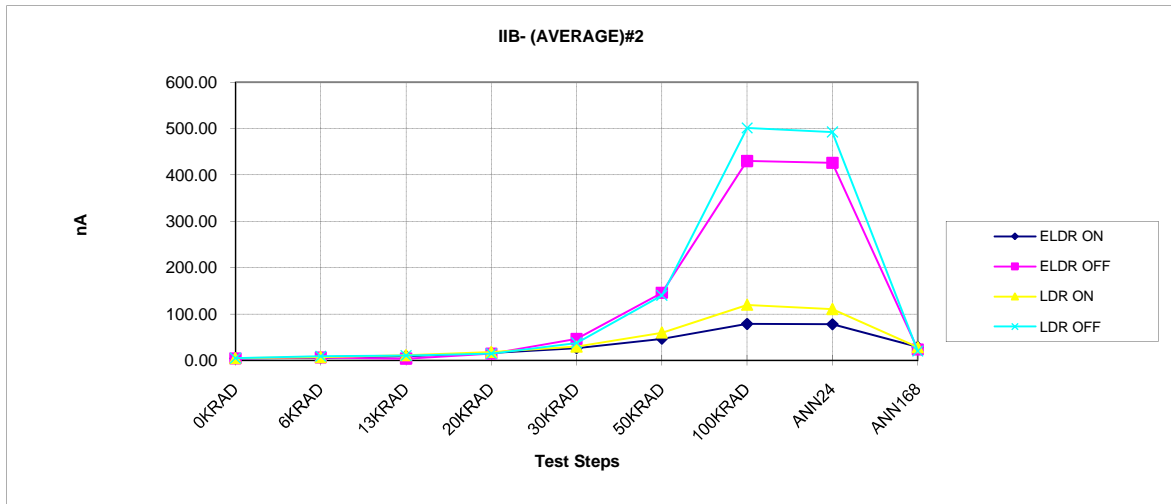
Bias off results									
7 OFF	4.85	7.06	4.41	14.66	45.14	135.03	395.796	391.438	25.573
8 OFF	3.78	6.09	3.10	13.41	45.95	151.68	442.4	438.08	22.713
9 OFF	2.70	4.57	2.14	12.38	41.36	133.47	402.382	398.831	19.302
10 OFF	4.02	6.61	4.49	14.71	46.57	148.07	443.114	438.871	22.87
11 OFF	4.57	6.91	4.51	16.38	50.78	160.37	465.91	462.461	27.4
Statistics bias off									
min result	2.70	4.57	2.14	12.38	41.36	133.47	395.80	391.44	19.30
max result	4.85	7.06	4.51	16.38	50.78	160.37	465.91	462.46	27.40
average	3.98	6.25	3.73	14.31	45.96	145.72	429.92	425.94	23.57
sigma	0.84	1.01	1.07	1.51	3.37	11.40	29.78	29.89	3.09



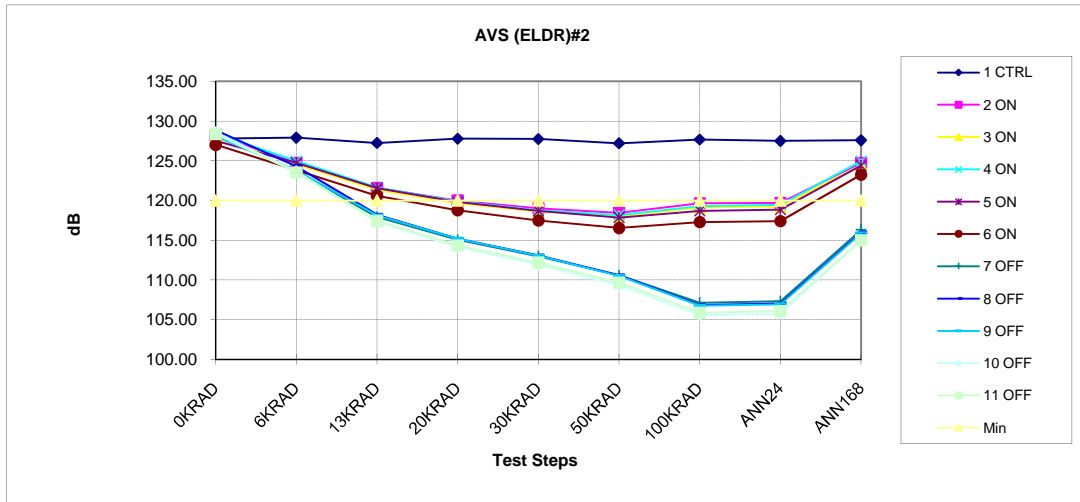
IIB- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-25	-25	-25	-25	-25	-25	-25	-25	-25
Max	25	25	25	25	25	25	25	25	25
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	4.45	4.26	4.39	4.34	4.35	4.72	4.70	4.41	4.29

Bias on results									
2 ON	4.28	6.61	11.28	18.76	30.98	59.09	114.28	107.00	27.42
3 ON	4.36	7.17	11.87	20.08	32.89	62.58	119.72	110.04	28.69
4 ON	4.90	6.84	10.85	17.57	28.93	58.49	115.15	106.33	27.61
5 ON	5.19	7.40	11.01	16.25	26.93	57.70	120.07	110.84	27.71
6 ON	4.73	6.95	10.59	15.70	27.74	60.15	129.47	118.06	29.06
Statistics bias on									
min result	4.28	6.61	10.59	15.70	26.93	57.70	114.28	106.33	27.42
max result	5.19	7.40	11.87	20.08	32.89	62.58	129.47	118.06	29.06
average	4.69	6.99	11.12	17.67	29.49	59.60	119.74	110.45	28.10
sigma	0.38	0.30	0.49	1.80	2.44	1.89	6.03	4.67	0.73

Bias off results									
7 OFF	6.09	10.73	11.36	11.63	33.21	137.62	508.93	500.05	20.67
8 OFF	4.78	9.07	9.50	12.43	33.74	133.27	490.47	482.16	19.98
9 OFF	5.20	9.20	10.46	17.03	43.00	150.06	524.12	516.53	21.27
10 OFF	3.90	7.52	10.82	14.77	34.88	126.76	459.37	453.41	16.98
11 OFF	4.44	8.41	9.50	16.59	43.16	153.53	523.12	511.41	20.37
Statistics bias off									
min result	3.90	7.52	9.50	11.63	33.21	126.76	459.37	453.41	16.98
max result	6.09	10.73	11.36	17.03	43.16	153.53	524.12	516.53	21.27
average	4.88	8.98	10.33	14.49	37.60	140.25	501.20	492.71	19.85
sigma	0.83	1.18	0.82	2.42	5.04	11.29	27.07	25.63	1.67



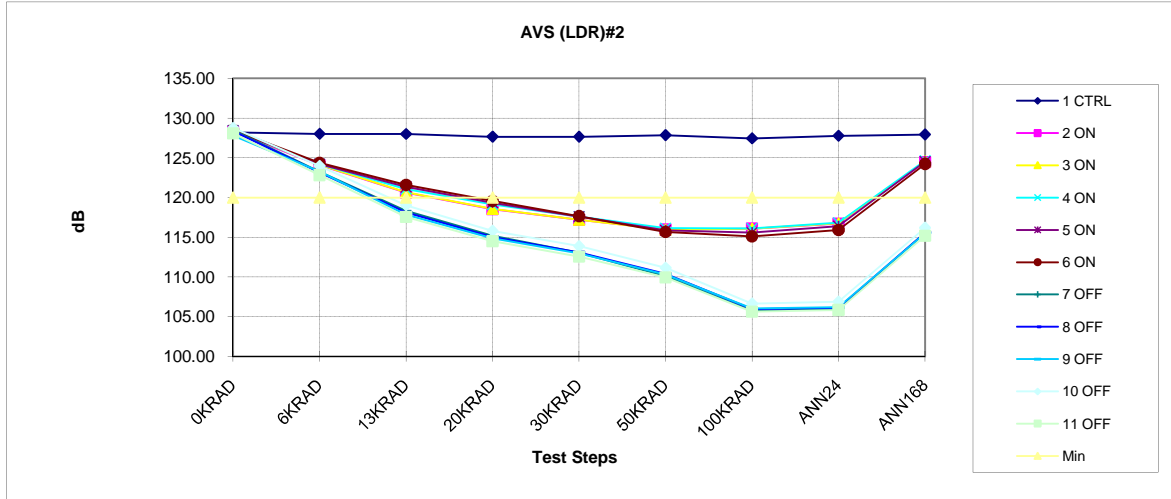
IIB- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	4.20	5.71	9.25	16.11	26.18	46.64	78.68	78.01	28.78
ELDR OFF	3.98	6.25	3.73	14.31	45.96	145.72	429.92	425.94	23.57
LDR ON	4.69	6.99	11.12	17.67	29.49	59.60	119.74	110.45	28.10
LDR OFF	4.88	8.98	10.33	14.49	37.60	140.25	501.20	492.71	19.85



AVS (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	120	120	120	120	120	120	120	120	120
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	127.79	127.92	127.25	127.78	127.74	127.20	127.68	127.50	127.59

Bias on results									
2 ON	128.19	124.72	121.60	120.00	119.00	118.45	119.65	119.71	124.72
3 ON	127.93	124.59	121.35	119.67	118.60	117.99	119.12	119.25	124.47
4 ON	128.41	124.97	121.64	119.91	118.76	118.19	119.29	119.46	124.96
5 ON	127.51	124.73	121.57	119.84	118.71	117.87	118.71	118.87	124.40
6 ON	127.02	123.81	120.60	118.78	117.49	116.54	117.27	117.41	123.25
Statistics bias on									
min result	127.02	123.81	120.60	118.78	117.49	116.54	117.27	117.41	123.25
max result	128.41	124.97	121.64	120.00	119.00	118.45	119.65	119.71	124.96
average	127.81	124.56	121.35	119.64	118.51	117.81	118.81	118.94	124.36
sigma	0.56	0.44	0.43	0.50	0.59	0.74	0.92	0.91	0.66

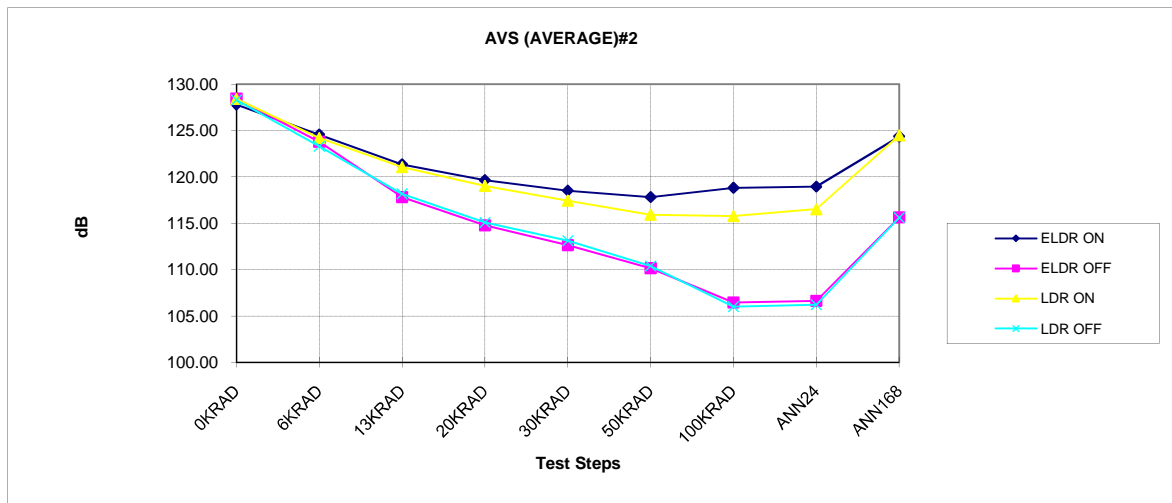
Bias off results									
7 OFF	128.32	123.66	117.92	115.08	112.98	110.61	107.15	107.32	116.33
8 OFF	128.86	124.31	118.22	115.18	113.10	110.62	106.87	107.06	115.99
9 OFF	128.07	123.77	118.12	115.19	113.04	110.51	106.77	106.95	115.88
10 OFF	128.58	123.66	117.36	114.15	111.92	109.34	105.58	105.77	114.98
11 OFF	128.36	123.54	117.43	114.33	112.18	109.66	105.89	106.07	114.99
Statistics bias off									
min result	128.07	123.54	117.36	114.15	111.92	109.34	105.58	105.77	114.98
max result	128.86	124.31	118.22	115.19	113.10	110.62	107.15	107.32	116.33
average	128.44	123.79	117.81	114.79	112.65	110.15	106.45	106.63	115.63
sigma	0.30	0.30	0.40	0.50	0.55	0.60	0.68	0.67	0.62



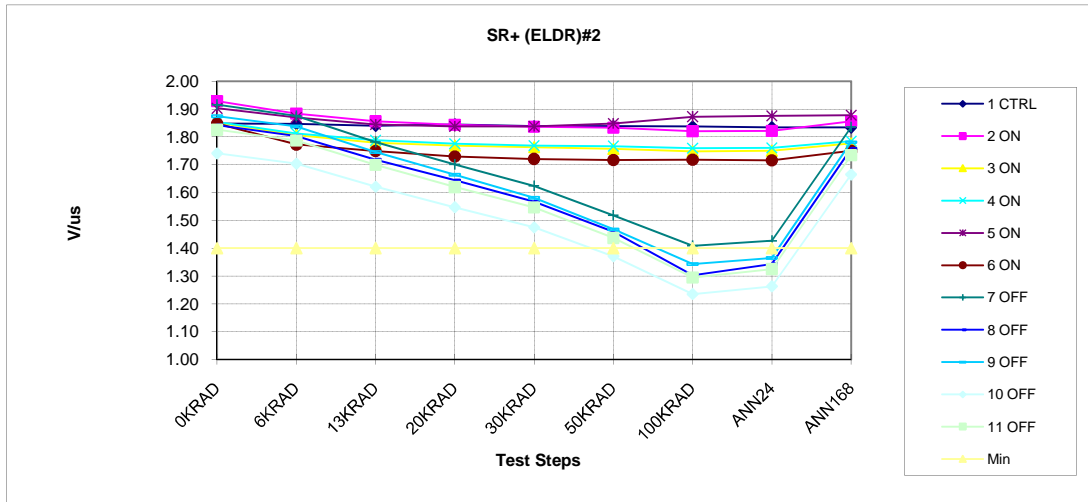
AVS (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	120	120	120	120	120	120	120	120	120
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	128.22	128.00	127.98	127.65	127.65	127.84	127.42	127.77	127.92

Bias on results									
2 ON	128.28	124.09	120.61	118.52	117.19	115.99	116.09	116.73	124.45
3 ON	128.42	124.14	120.68	118.58	117.22	115.96	116.07	116.74	124.55
4 ON	128.44	124.20	121.09	119.12	117.60	116.15	116.10	116.85	124.64
5 ON	128.44	124.22	121.34	119.36	117.60	115.88	115.58	116.38	124.52
6 ON	128.50	124.38	121.59	119.57	117.66	115.67	115.11	115.92	124.23
Statistics bias on									
min result	128.28	124.09	120.61	118.52	117.19	115.67	115.11	115.92	124.23
max result	128.50	124.38	121.59	119.57	117.66	116.15	116.10	116.85	124.64
average	128.41	124.21	121.06	119.03	117.45	115.93	115.79	116.52	124.48
sigma	0.08	0.11	0.42	0.46	0.23	0.18	0.44	0.38	0.15

Bias off results									
7 OFF	128.48	123.23	118.35	115.19	113.05	110.13	105.77	105.95	115.57
8 OFF	128.36	123.18	118.12	115.02	113.10	110.39	105.98	106.14	115.61
9 OFF	127.81	123.30	117.85	114.88	112.98	110.32	106.05	106.19	115.53
10 OFF	128.75	123.97	119.03	115.81	113.88	111.16	106.66	106.90	116.20
11 OFF	128.07	122.82	117.56	114.52	112.56	109.95	105.65	105.86	115.18
Statistics bias off									
min result	127.81	122.82	117.56	114.52	112.56	109.95	105.65	105.86	115.18
max result	128.75	123.97	119.03	115.81	113.88	111.16	106.66	106.90	116.20
average	128.29	123.30	118.18	115.08	113.12	110.39	106.02	106.21	115.62
sigma	0.36	0.42	0.56	0.47	0.48	0.46	0.39	0.41	0.37



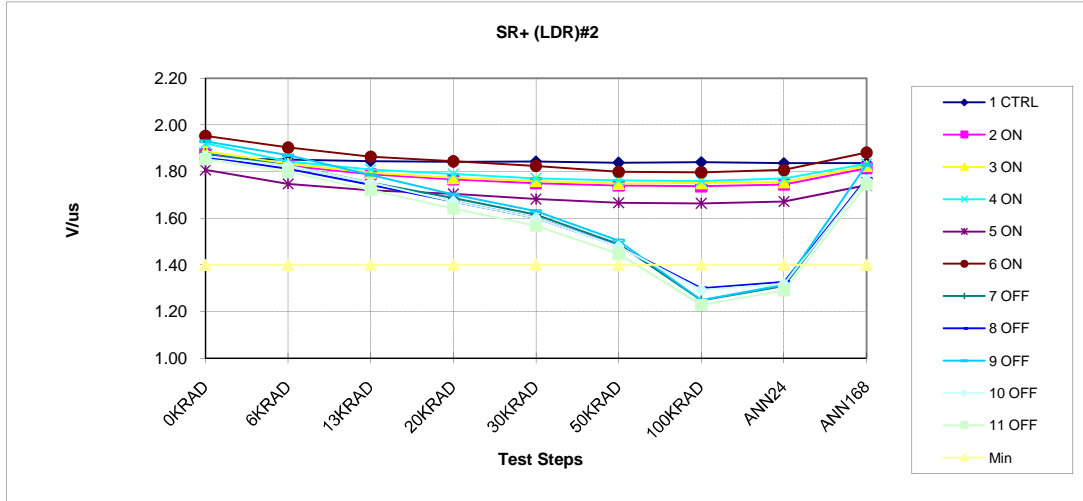
AVS (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	127.81	124.56	121.35	119.64	118.51	117.81	118.81	118.94	124.36
ELDR OFF	128.44	123.79	117.81	114.79	112.65	110.15	106.45	106.63	115.63
LDR ON	128.41	124.21	121.06	119.03	117.45	115.93	115.79	116.52	124.48
LDR OFF	128.29	123.30	118.18	115.08	113.12	110.39	106.02	106.21	115.62



SR+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	1.85	1.85	1.84	1.85	1.84	1.84	1.84	1.84	1.83

Bias on results									
2 ON	1.93	1.88	1.86	1.84	1.84	1.83	1.82	1.82	1.86
3 ON	1.85	1.81	1.78	1.77	1.76	1.76	1.75	1.75	1.78
4 ON	1.85	1.81	1.79	1.78	1.77	1.77	1.76	1.76	1.79
5 ON	1.90	1.87	1.85	1.84	1.84	1.85	1.87	1.88	1.88
6 ON	1.85	1.77	1.75	1.73	1.72	1.72	1.72	1.72	1.75
Statistics bias on									
min result	1.85	1.77	1.75	1.73	1.72	1.72	1.72	1.72	1.75
max result	1.93	1.88	1.86	1.84	1.84	1.85	1.87	1.88	1.88
average	1.88	1.83	1.80	1.79	1.79	1.78	1.78	1.79	1.81
sigma	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.05

Bias off results									
7 OFF	1.92	1.88	1.78	1.70	1.62	1.52	1.41	1.43	1.84
8 OFF	1.84	1.80	1.72	1.64	1.57	1.46	1.30	1.34	1.76
9 OFF	1.88	1.84	1.75	1.66	1.58	1.47	1.34	1.37	1.78
10 OFF	1.74	1.70	1.62	1.55	1.48	1.37	1.24	1.26	1.67
11 OFF	1.83	1.79	1.70	1.62	1.55	1.44	1.30	1.33	1.73
Statistics bias off									
min result	1.74	1.70	1.62	1.55	1.48	1.37	1.24	1.26	1.67
max result	1.92	1.88	1.78	1.70	1.62	1.52	1.41	1.43	1.84
average	1.84	1.80	1.71	1.64	1.56	1.45	1.32	1.34	1.75
sigma	0.07	0.06	0.06	0.06	0.05	0.05	0.06	0.06	0.06



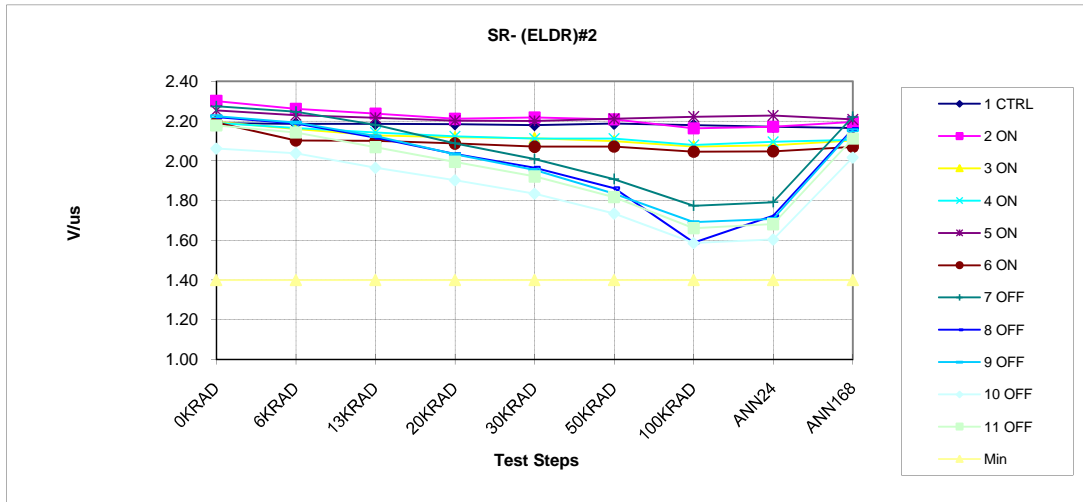
SR+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	1.86	1.85	1.85	1.84	1.84	1.84	1.84	1.84	1.84

Bias on results									
2 ON	1.88	1.83	1.79	1.77	1.75	1.74	1.74	1.74	1.81
3 ON	1.89	1.83	1.80	1.77	1.76	1.75	1.75	1.76	1.82
4 ON	1.92	1.84	1.81	1.79	1.77	1.76	1.76	1.77	1.83
5 ON	1.81	1.75	1.72	1.70	1.68	1.67	1.66	1.67	1.74
6 ON	1.95	1.90	1.86	1.84	1.82	1.80	1.80	1.81	1.88
Statistics bias on									
min result	1.81	1.75	1.72	1.70	1.68	1.67	1.66	1.67	1.74
max result	1.95	1.90	1.86	1.84	1.82	1.80	1.80	1.81	1.88
average	1.89	1.83	1.80	1.78	1.76	1.74	1.74	1.75	1.82
sigma	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05

Bias off results									
7 OFF	1.88	1.83	1.75	1.69	1.62	1.49	1.25	1.31	1.77
8 OFF	1.86	1.81	1.74	1.67	1.60	1.48	1.30	1.33	1.77
9 OFF	1.93	1.87	1.79	1.70	1.63	1.50	1.25	1.32	1.83
10 OFF	1.87	1.83	1.75	1.67	1.60	1.48	1.29	1.32	1.76
11 OFF	1.85	1.80	1.72	1.64	1.57	1.45	1.23	1.29	1.74
Statistics bias off									
min result	1.85	1.80	1.72	1.64	1.57	1.45	1.23	1.29	1.74
max result	1.93	1.87	1.79	1.70	1.63	1.50	1.30	1.33	1.83
average	1.88	1.83	1.75	1.67	1.60	1.48	1.26	1.31	1.78
sigma	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.01	0.03



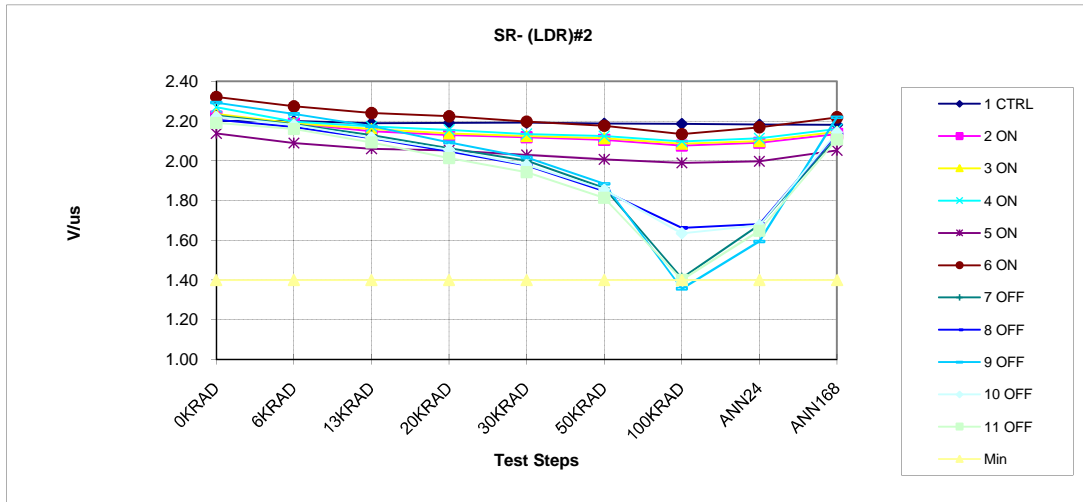
SR+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.88	1.83	1.80	1.79	1.79	1.78	1.78	1.79	1.81
ELDR OFF	1.84	1.80	1.71	1.64	1.56	1.45	1.32	1.34	1.75
LDR ON	1.89	1.83	1.80	1.78	1.76	1.74	1.74	1.75	1.82
LDR OFF	1.88	1.83	1.75	1.67	1.60	1.48	1.26	1.31	1.78



SR- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	2.19	2.19	2.19	2.19	2.18	2.19	2.18	2.17	2.17

Bias on results									
2 ON	2.30	2.26	2.24	2.21	2.22	2.21	2.16	2.17	2.20
3 ON	2.20	2.16	2.13	2.12	2.11	2.10	2.07	2.08	2.10
4 ON	2.19	2.17	2.14	2.12	2.11	2.11	2.08	2.10	2.11
5 ON	2.25	2.23	2.22	2.20	2.20	2.21	2.22	2.23	2.21
6 ON	2.19	2.10	2.10	2.09	2.07	2.07	2.05	2.05	2.07
Statistics bias on									
min result	2.19	2.10	2.10	2.09	2.07	2.07	2.05	2.05	2.07
max result	2.30	2.26	2.24	2.21	2.22	2.21	2.22	2.23	2.21
average	2.23	2.18	2.17	2.15	2.14	2.14	2.12	2.12	2.14
sigma	0.05	0.06	0.06	0.05	0.06	0.06	0.07	0.07	0.06

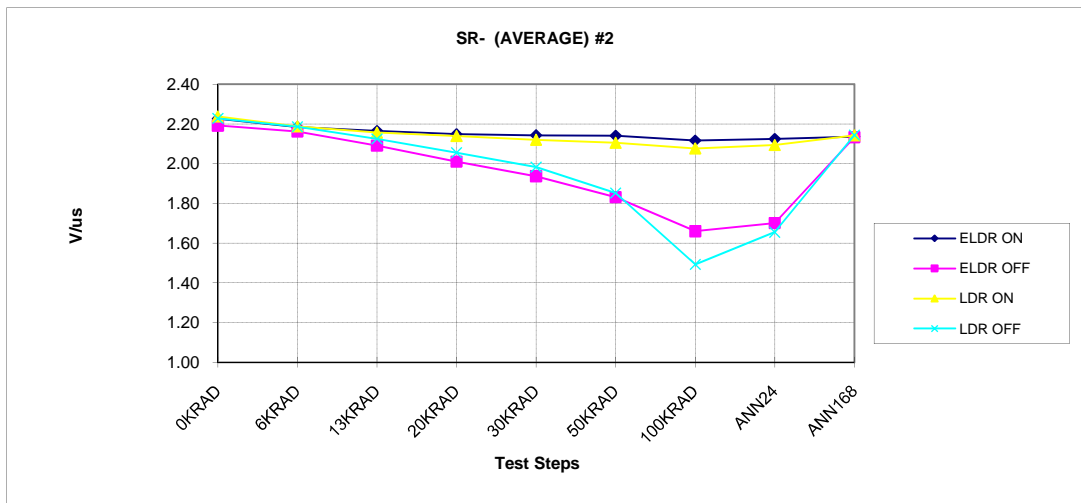
Bias off results									
7 OFF	2.27	2.25	2.18	2.09	2.01	1.91	1.77	1.79	2.22
8 OFF	2.22	2.19	2.12	2.04	1.97	1.86	1.59	1.72	2.16
9 OFF	2.23	2.19	2.12	2.03	1.95	1.84	1.69	1.71	2.15
10 OFF	2.06	2.04	1.97	1.90	1.84	1.74	1.59	1.60	2.02
11 OFF	2.18	2.14	2.07	2.00	1.92	1.82	1.66	1.68	2.11
Statistics bias off									
min result	2.06	2.04	1.97	1.90	1.84	1.74	1.59	1.60	2.02
max result	2.27	2.25	2.18	2.09	2.01	1.91	1.77	1.79	2.22
average	2.19	2.16	2.09	2.01	1.94	1.83	1.66	1.70	2.13
sigma	0.08	0.08	0.08	0.07	0.07	0.06	0.08	0.07	0.08



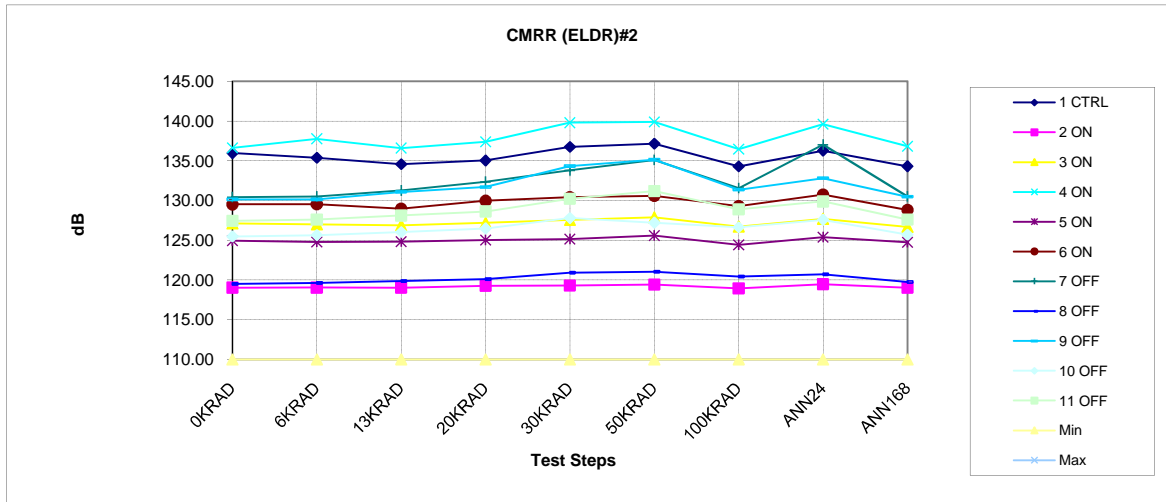
SR- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	2.20	2.20	2.19	2.19	2.19	2.19	2.19	2.18	2.18

Bias on results									
2 ON	2.22	2.19	2.15	2.13	2.12	2.11	2.08	2.09	2.14
3 ON	2.24	2.19	2.16	2.14	2.12	2.11	2.09	2.10	2.15
4 ON	2.27	2.20	2.17	2.16	2.14	2.12	2.10	2.11	2.16
5 ON	2.14	2.09	2.06	2.05	2.03	2.01	1.99	2.00	2.05
6 ON	2.32	2.27	2.24	2.22	2.20	2.18	2.13	2.17	2.22
Statistics bias on									
min result	2.14	2.09	2.06	2.05	2.03	2.01	1.99	2.00	2.05
max result	2.32	2.27	2.24	2.22	2.20	2.18	2.13	2.17	2.22
average	2.24	2.19	2.16	2.14	2.12	2.11	2.08	2.09	2.14
sigma	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.06	0.06

Bias off results									
7 OFF	2.23	2.18	2.13	2.06	2.00	1.86	1.41	1.68	2.12
8 OFF	2.21	2.17	2.11	2.05	1.98	1.85	1.66	1.68	2.14
9 OFF	2.29	2.24	2.17	2.09	2.02	1.88	1.36	1.59	2.22
10 OFF	2.22	2.18	2.12	2.06	1.98	1.86	1.64	1.68	2.14
11 OFF	2.19	2.16	2.09	2.01	1.94	1.81	1.40	1.65	2.11
Statistics bias off									
min result	2.19	2.16	2.09	2.01	1.94	1.81	1.36	1.59	2.11
max result	2.29	2.24	2.17	2.09	2.02	1.88	1.66	1.68	2.22
average	2.23	2.19	2.13	2.06	1.98	1.85	1.49	1.66	2.14
sigma	0.04	0.03	0.03	0.03	0.03	0.03	0.14	0.04	0.04



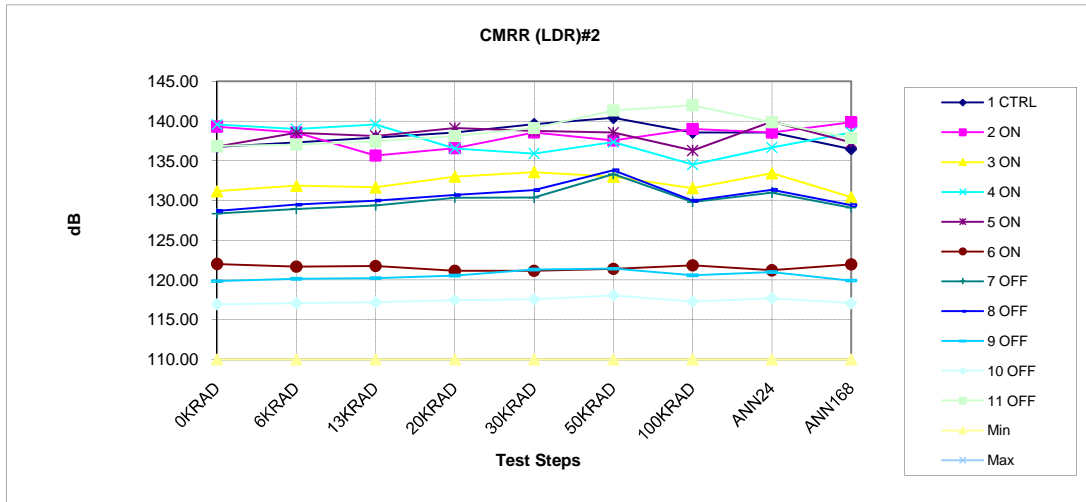
SR- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	2.23	2.18	2.17	2.15	2.14	2.14	2.12	2.12	2.14
ELDR OFF	2.19	2.16	2.09	2.01	1.94	1.83	1.66	1.70	2.13
LDR ON	2.24	2.19	2.16	2.14	2.12	2.11	2.08	2.09	2.14
LDR OFF	2.23	2.19	2.13	2.06	1.98	1.85	1.49	1.66	2.14



CMRR (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	110	110	110	110	110	110	110	110	110
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	135.97	135.38	134.56	135.04	136.75	137.17	134.28	136.28	134.30

Bias on results									
2 ON	119.04	119.05	119.02	119.26	119.31	119.43	118.95	119.46	119.03
3 ON	127.12	127.00	126.88	127.20	127.57	127.88	126.73	127.71	126.70
4 ON	136.63	137.77	136.61	137.40	139.80	139.90	136.47	139.62	136.82
5 ON	124.94	124.78	124.83	125.02	125.16	125.60	124.43	125.39	124.76
6 ON	129.52	129.55	128.97	129.97	130.43	130.58	129.29	130.75	128.81
Statistics bias on									
min result	119.04	119.05	119.02	119.26	119.31	119.43	118.95	119.46	119.03
max result	136.63	137.77	136.61	137.40	139.80	139.90	136.47	139.62	136.82
average	127.45	127.63	127.26	127.77	128.45	128.68	127.17	128.59	127.22
sigma	6.44	6.87	6.41	6.67	7.55	7.50	6.45	7.43	6.49

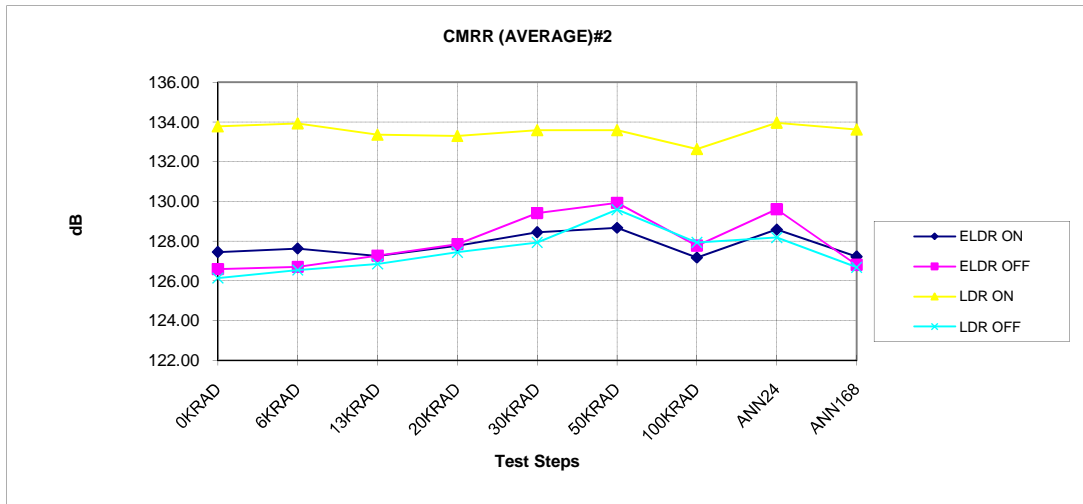
Bias off results									
7 OFF	130.41	130.50	131.26	132.34	133.79	135.10	131.56	137.03	130.50
8 OFF	119.50	119.63	119.86	120.12	120.93	121.04	120.44	120.70	119.75
9 OFF	130.14	130.15	131.09	131.70	134.33	135.14	131.37	132.82	130.48
10 OFF	125.46	125.63	126.02	126.47	127.79	127.20	126.63	127.57	125.70
11 OFF	127.45	127.62	128.11	128.63	130.23	131.19	128.88	129.89	127.62
Statistics bias off									
min result	119.50	119.63	119.86	120.12	120.93	121.04	120.44	120.70	119.75
max result	130.41	130.50	131.26	132.34	134.33	135.14	131.56	137.03	130.50
average	126.59	126.71	127.27	127.85	129.41	129.93	127.78	129.60	126.81
sigma	4.46	4.42	4.68	4.93	5.45	5.96	4.57	6.10	4.44



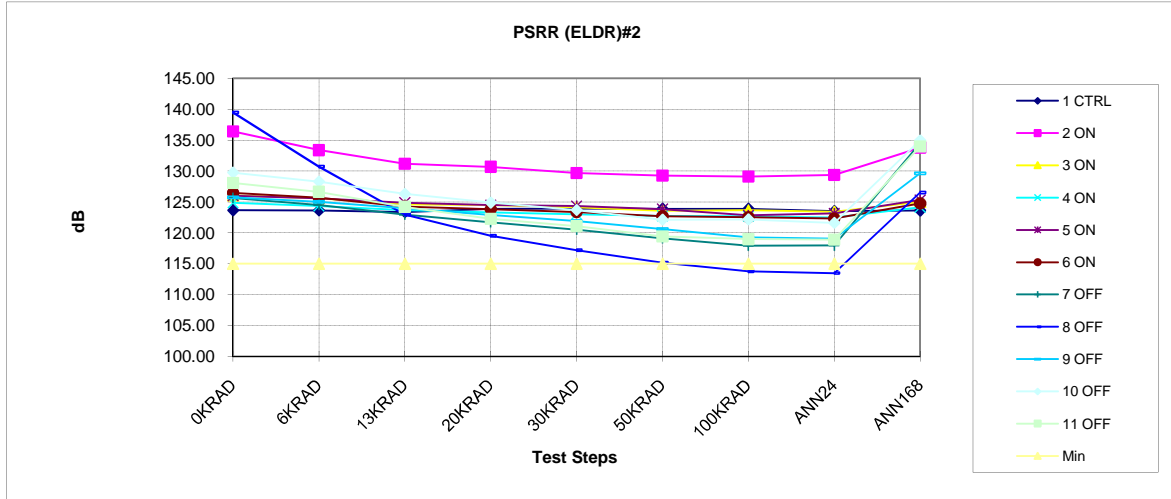
CMRR (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	110	110	110	110	110	110	110	110	110
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	136.75	137.31	137.90	138.55	139.61	140.40	138.55	138.55	136.48

Bias on results									
2 ON	139.31	138.56	135.65	136.58	138.55	137.56	139.01	138.56	139.85
3 ON	131.18	131.86	131.66	133.02	133.58	133.02	131.56	133.44	130.44
4 ON	139.56	138.99	139.58	136.56	135.92	137.35	134.52	136.66	138.56
5 ON	136.80	138.53	138.13	139.13	138.75	138.57	136.29	139.94	137.30
6 ON	122.02	121.68	121.76	121.17	121.17	121.41	121.83	121.23	121.96
Statistics bias on									
min result	122.02	121.68	121.76	121.17	121.17	121.41	121.83	121.23	121.96
max result	139.56	138.99	139.58	139.13	138.75	138.57	139.01	139.94	139.85
average	133.77	133.92	133.36	133.29	133.59	133.58	132.64	133.96	133.62
sigma	7.38	7.46	7.14	7.12	7.26	7.13	6.62	7.53	7.47

Bias off results									
7 OFF	128.37	128.94	129.39	130.36	130.37	133.31	129.81	131.01	129.10
8 OFF	128.70	129.48	130.00	130.69	131.30	133.80	129.99	131.34	129.41
9 OFF	119.86	120.15	120.23	120.57	121.33	121.42	120.59	121.00	119.93
10 OFF	116.94	117.09	117.20	117.47	117.58	118.05	117.30	117.70	117.09
11 OFF	136.85	137.05	137.45	138.12	139.12	141.33	141.99	139.85	137.88
Statistics bias off									
min result	116.94	117.09	117.20	117.47	117.58	118.05	117.30	117.70	117.09
max result	136.85	137.05	137.45	138.12	139.12	141.33	141.99	139.85	137.88
average	126.14	126.54	126.85	127.44	127.94	129.58	127.94	128.18	126.68
sigma	7.91	7.98	8.15	8.36	8.56	9.61	9.65	8.88	8.31



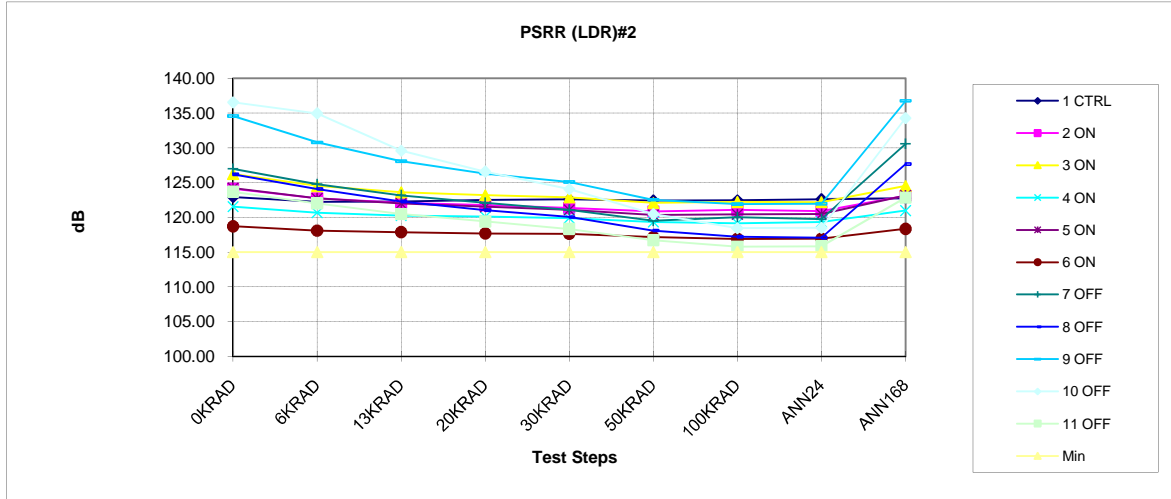
CMRR (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	127.45	127.63	127.26	127.77	128.45	128.68	127.17	128.59	127.22
ELDR OFF	126.59	126.71	127.27	127.85	129.41	129.93	127.78	129.60	126.81
LDR ON	133.77	133.92	133.36	133.29	133.59	133.58	132.64	133.96	133.62
LDR OFF	126.14	126.54	126.85	127.44	127.94	129.58	127.94	128.18	126.68



PSRR (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	123.67	123.63	123.38	123.88	123.93	123.90	123.90	123.53	123.62

Bias on results									
2 ON	136.40	133.39	131.18	130.69	129.67	129.26	129.10	129.36	133.79
3 ON	126.07	125.60	124.62	124.51	124.13	123.58	123.65	123.40	125.01
4 ON	124.86	124.35	123.66	123.32	123.01	122.76	122.68	122.46	124.15
5 ON	126.01	125.58	124.89	124.49	124.33	123.84	122.85	123.15	125.32
6 ON	126.48	125.69	124.24	123.83	123.38	122.68	122.54	122.32	124.77
Statistics bias on									
min result	124.86	124.35	123.66	123.32	123.01	122.68	122.54	122.32	124.15
max result	136.40	133.39	131.18	130.69	129.67	129.26	129.10	129.36	133.79
average	127.96	126.92	125.72	125.37	124.90	124.43	124.16	124.14	126.61
sigma	4.75	3.66	3.09	3.02	2.72	2.75	2.80	2.95	4.04

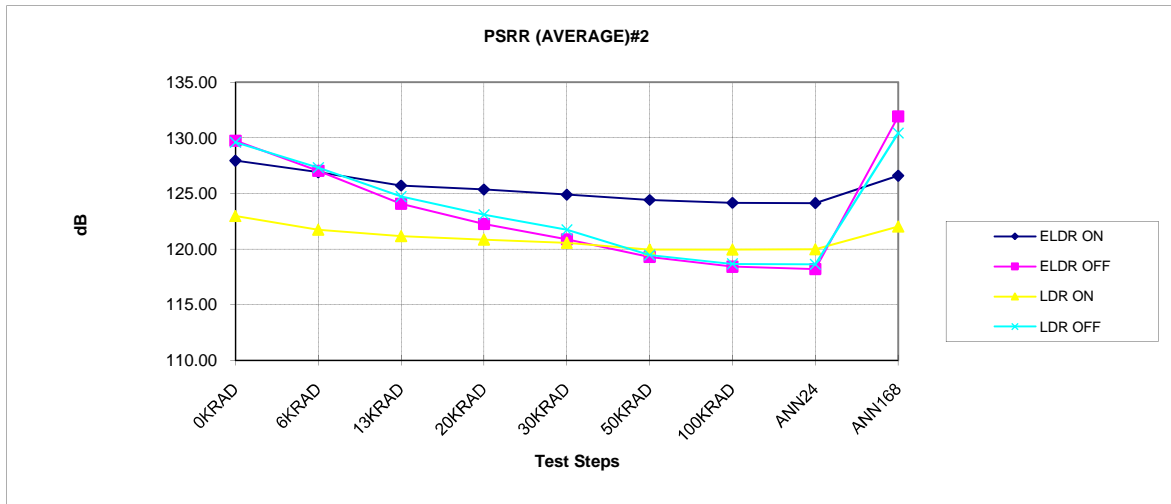
Bias off results									
7 OFF	125.63	124.50	122.95	121.69	120.51	119.11	117.92	117.95	134.51
8 OFF	139.48	130.73	122.95	119.53	117.19	115.19	113.78	113.49	126.52
9 OFF	125.74	125.01	123.98	122.90	121.92	120.62	119.25	119.08	129.64
10 OFF	129.74	128.31	126.31	124.89	123.69	122.13	122.16	121.59	134.96
11 OFF	128.06	126.65	124.21	122.29	121.08	119.42	118.99	118.90	133.99
Statistics bias off									
min result	125.63	124.50	122.95	119.53	117.19	115.19	113.78	113.49	126.52
max result	139.48	130.73	126.31	124.89	123.69	122.13	122.16	121.59	134.96
average	129.73	127.04	124.08	122.26	120.88	119.29	118.42	118.20	131.92
sigma	5.71	2.55	1.38	1.95	2.39	2.58	3.03	2.96	3.70



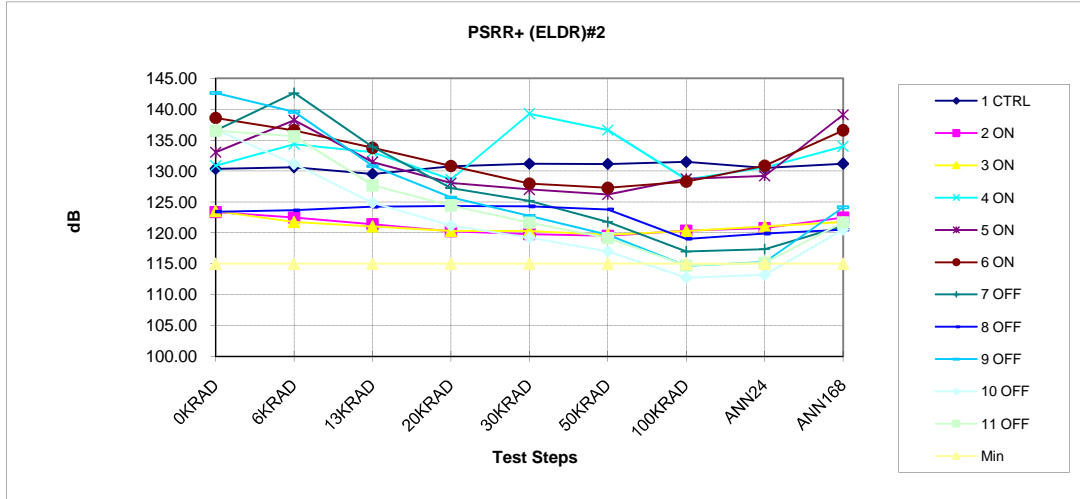
PSRR (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	122.93	122.22	122.28	122.52	122.60	122.43	122.47	122.63	122.76

Bias on results									
2 ON	124.12	122.74	122.10	121.76	121.35	120.85	121.09	120.91	123.12
3 ON	126.25	124.52	123.61	123.18	122.90	122.08	122.23	122.21	124.52
4 ON	121.56	120.68	120.26	120.11	119.88	119.34	119.17	119.36	120.98
5 ON	124.22	122.72	122.01	121.53	121.10	120.34	120.43	120.47	123.17
6 ON	118.72	118.10	117.88	117.70	117.63	117.17	116.91	116.93	118.35
Statistics bias on									
min result	118.72	118.10	117.88	117.70	117.63	117.17	116.91	116.93	118.35
max result	126.25	124.52	123.61	123.18	122.90	122.08	122.23	122.21	124.52
average	122.97	121.75	121.17	120.86	120.57	119.95	119.97	119.97	122.03
sigma	2.90	2.45	2.19	2.07	1.96	1.85	2.03	1.98	2.41

Bias off results									
7 OFF	126.99	124.78	123.18	122.08	121.07	119.50	120.02	119.75	130.58
8 OFF	126.19	124.10	122.28	121.04	120.06	118.11	117.22	117.08	127.68
9 OFF	134.58	130.78	128.07	126.31	125.10	122.54	121.92	121.98	136.76
10 OFF	136.56	134.97	129.60	126.59	124.07	120.50	118.44	118.50	134.28
11 OFF	123.69	122.03	120.47	119.41	118.35	116.70	115.78	115.86	122.84
Statistics bias off									
min result	123.69	122.03	120.47	119.41	118.35	116.70	115.78	115.86	122.84
max result	136.56	134.97	129.60	126.59	125.10	122.54	121.92	121.98	136.76
average	129.60	127.33	124.72	123.09	121.73	119.47	118.68	118.63	130.43
sigma	5.63	5.37	3.92	3.21	2.81	2.23	2.39	2.38	5.48



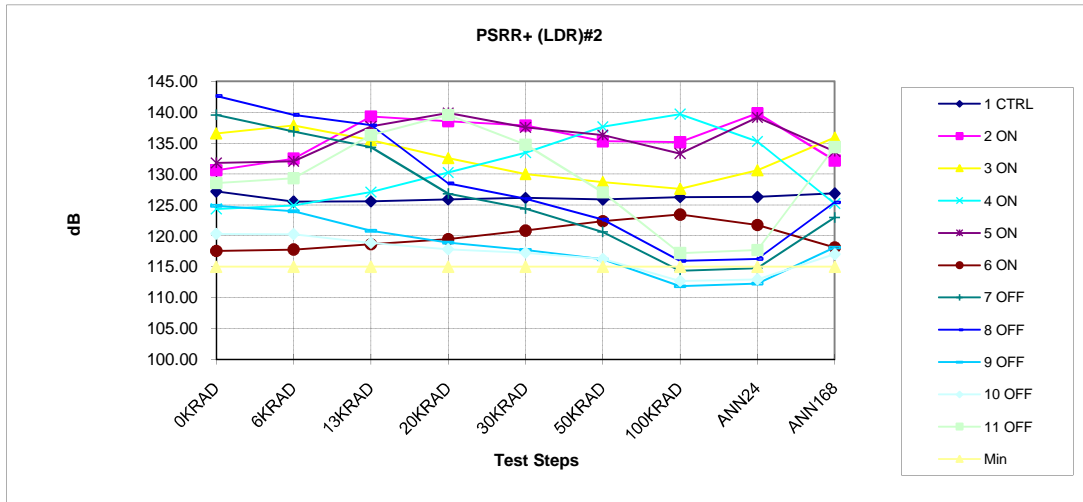
PSRR (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	127.96	126.92	125.72	125.37	124.90	124.43	124.16	124.14	126.61
ELDR OFF	129.73	127.04	124.08	122.26	120.88	119.29	118.42	118.20	131.92
LDR ON	122.97	121.75	121.17	120.86	120.57	119.95	119.97	119.97	122.03
LDR OFF	129.60	127.33	124.72	123.09	121.73	119.47	118.68	118.63	130.43



PSRR+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	130.37	130.63	129.54	130.77	131.18	131.15	131.48	130.49	131.19

Bias on results									
2 ON	123.36	122.47	121.39	120.26	119.80	119.53	120.34	120.78	122.49
3 ON	123.52	121.78	121.02	120.33	120.33	119.68	120.33	121.02	121.78
4 ON	130.87	134.36	133.06	128.63	139.28	136.63	128.63	130.57	134.00
5 ON	133.06	138.20	131.46	128.09	127.02	126.19	128.74	129.20	139.11
6 ON	138.59	136.59	133.75	130.80	127.98	127.27	128.31	130.85	136.59
Statistics bias on									
min result	123.36	121.78	121.02	120.26	119.80	119.53	120.33	120.78	121.78
max result	138.59	138.20	133.75	130.80	139.28	136.63	128.74	130.85	139.11
average	129.88	130.68	128.14	125.62	126.88	125.86	125.27	126.48	130.79
sigma	6.52	7.93	6.38	4.97	7.87	7.01	4.51	5.13	8.11

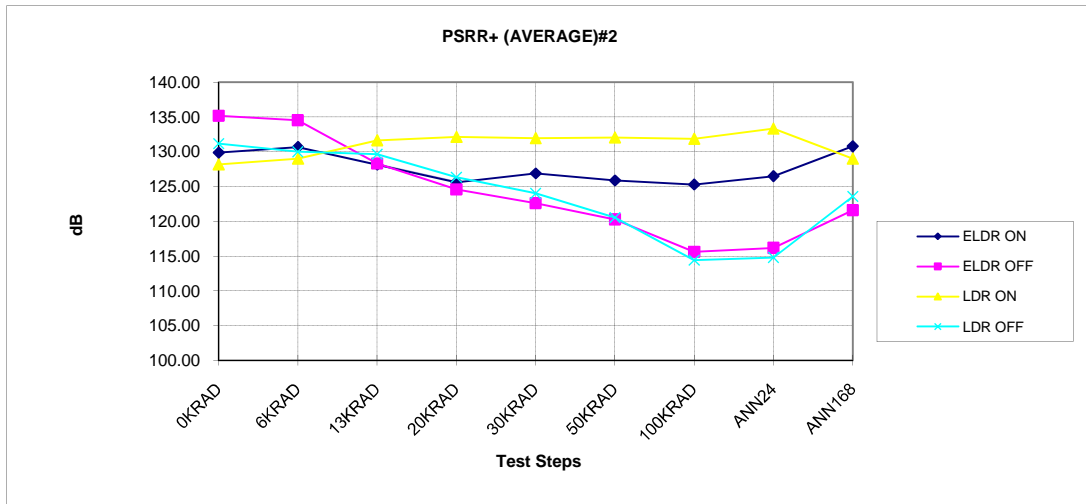
Bias off results									
7 OFF	136.59	142.61	133.90	127.22	125.19	121.77	116.97	117.36	121.12
8 OFF	123.43	123.65	124.25	124.34	124.30	123.79	119.03	119.89	120.50
9 OFF	142.61	139.58	130.80	125.72	122.74	119.71	114.65	115.29	124.12
10 OFF	136.70	131.14	124.88	121.17	119.22	116.99	112.73	113.20	120.51
11 OFF	136.52	135.61	127.69	124.41	121.63	119.15	114.70	115.17	121.69
Statistics bias off									
min result	123.43	123.65	124.25	121.17	119.22	116.99	112.73	113.20	120.50
max result	142.61	142.61	133.90	127.22	125.19	123.79	119.03	119.89	124.12
average	135.17	134.52	128.31	124.57	122.62	120.28	115.62	116.18	121.59
sigma	7.06	7.44	4.06	2.23	2.35	2.60	2.43	2.54	1.50



PSRR+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	127.18	125.55	125.59	125.91	126.13	125.90	126.27	126.30	126.87

Bias on results									
2 ON	130.62	132.50	139.31	138.54	137.85	135.30	135.15	139.82	132.19
3 ON	136.58	137.85	135.48	132.57	130.00	128.70	127.59	130.60	135.90
4 ON	124.36	124.93	127.11	130.26	133.45	137.64	139.70	135.26	125.22
5 ON	131.81	132.05	137.68	139.88	137.56	136.30	133.33	139.15	133.66
6 ON	117.57	117.79	118.66	119.49	120.85	122.39	123.44	121.74	118.13
Statistics bias on									
min result	117.57	117.79	118.66	119.49	120.85	122.39	123.44	121.74	118.13
max result	136.58	137.85	139.31	139.88	137.85	137.64	139.70	139.82	135.90
average	128.19	129.02	131.65	132.15	131.94	132.07	131.84	133.32	129.02
sigma	7.36	7.78	8.65	8.13	6.99	6.41	6.39	7.44	7.28

Bias off results									
7 OFF	139.56	136.87	134.33	126.82	124.38	120.63	114.35	114.79	122.95
8 OFF	142.61	139.56	137.89	128.50	125.98	122.64	115.94	116.25	125.41
9 OFF	124.87	123.98	120.82	118.91	117.71	116.19	111.84	112.28	118.11
10 OFF	120.33	120.25	118.85	117.82	117.26	116.25	112.70	112.97	117.02
11 OFF	128.55	129.32	136.30	139.56	134.75	127.03	117.22	117.70	134.36
Statistics bias off									
min result	120.33	120.25	118.85	117.82	117.26	116.19	111.84	112.28	117.02
max result	142.61	139.56	137.89	139.56	134.75	127.03	117.22	117.70	134.36
average	131.18	130.00	129.64	126.32	124.02	120.55	114.41	114.80	123.57
sigma	9.56	8.22	9.06	8.77	7.15	4.58	2.22	2.25	6.94



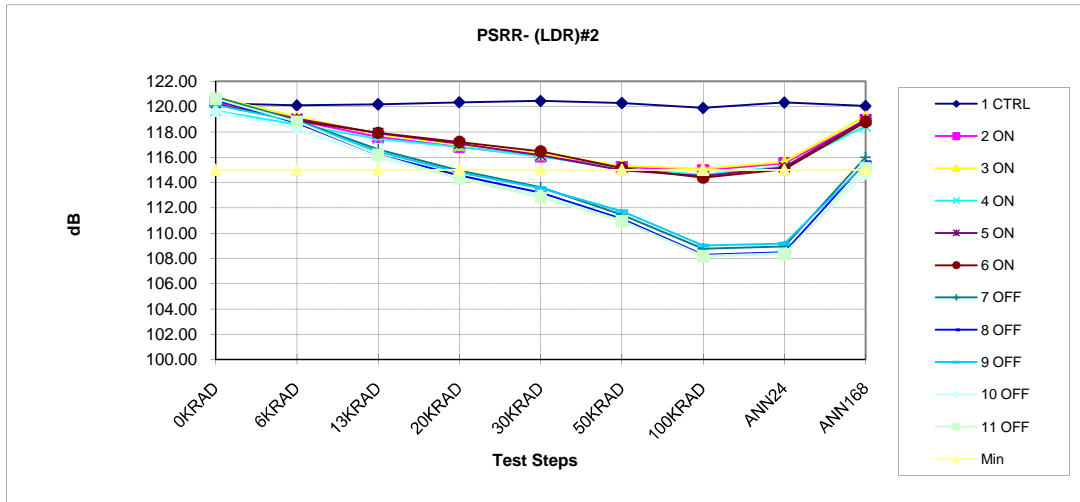
PSRR+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	129.88	130.68	128.14	125.62	126.88	125.86	125.27	126.48	130.79
ELDR OFF	135.17	134.52	128.31	124.57	122.62	120.28	115.62	116.18	121.59
LDR ON	128.19	129.02	131.65	132.15	131.94	132.07	131.84	133.32	129.02
LDR OFF	131.18	130.00	129.64	126.32	124.02	120.55	114.41	114.80	123.57



PSRR- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	119.91	119.81	119.70	120.06	120.12	120.19	119.80	119.92	119.63

Bias on results									
2 ON	120.07	118.81	117.65	117.00	116.52	116.34	116.33	116.76	118.67
3 ON	120.04	118.82	117.74	117.05	116.58	116.32	116.30	116.66	118.46
4 ON	121.05	119.82	118.49	117.78	117.28	116.94	116.97	117.24	119.61
5 ON	119.71	118.77	117.57	116.95	116.47	116.09	115.72	116.15	118.30
6 ON	120.46	119.21	117.61	116.78	116.14	115.59	115.26	115.70	118.34
Statistics bias on									
min result	119.71	118.77	117.57	116.78	116.14	115.59	115.26	115.70	118.30
max result	121.05	119.82	118.49	117.78	117.28	116.94	116.97	117.24	119.61
average	120.26	119.09	117.81	117.11	116.60	116.25	116.11	116.50	118.67
sigma	0.52	0.45	0.38	0.39	0.42	0.49	0.65	0.59	0.54

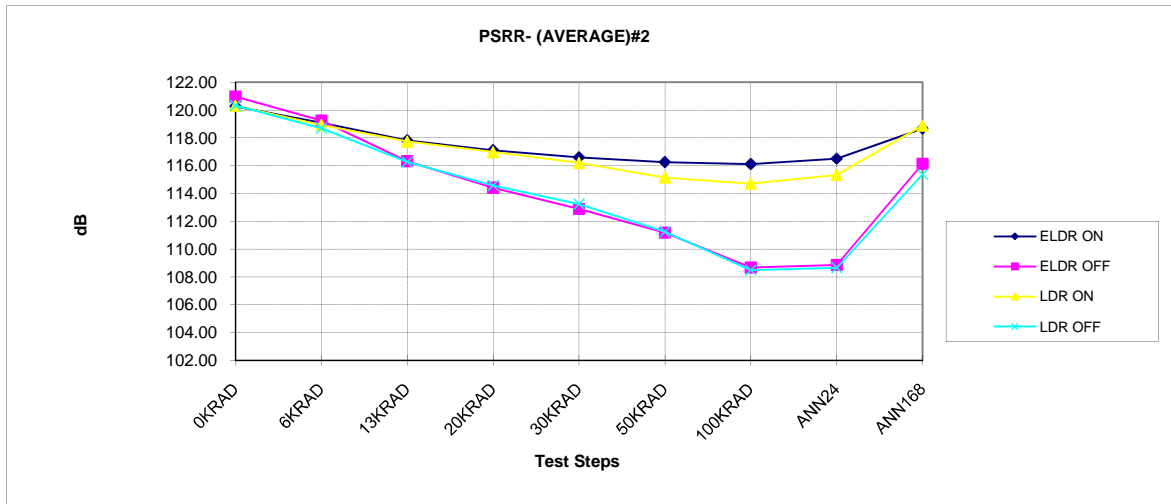
Bias off results									
7 OFF	120.41	118.89	116.41	114.72	113.32	111.69	109.36	109.54	118.46
8 OFF	120.89	118.90	114.95	112.69	111.01	109.21	106.77	106.91	114.34
9 OFF	120.53	119.20	116.95	115.32	113.95	112.35	109.81	109.98	116.23
10 OFF	121.77	119.75	116.94	114.95	113.34	111.58	108.99	109.14	115.83
11 OFF	121.24	119.45	116.34	114.41	112.80	111.07	108.48	108.72	115.83
Statistics bias off									
min result	120.41	118.89	114.95	112.69	111.01	109.21	106.77	106.91	114.34
max result	121.77	119.75	116.95	115.32	113.95	112.35	109.81	109.98	118.46
average	120.97	119.24	116.32	114.42	112.88	111.18	108.68	108.86	116.14
sigma	0.55	0.37	0.82	1.02	1.12	1.19	1.18	1.19	1.48



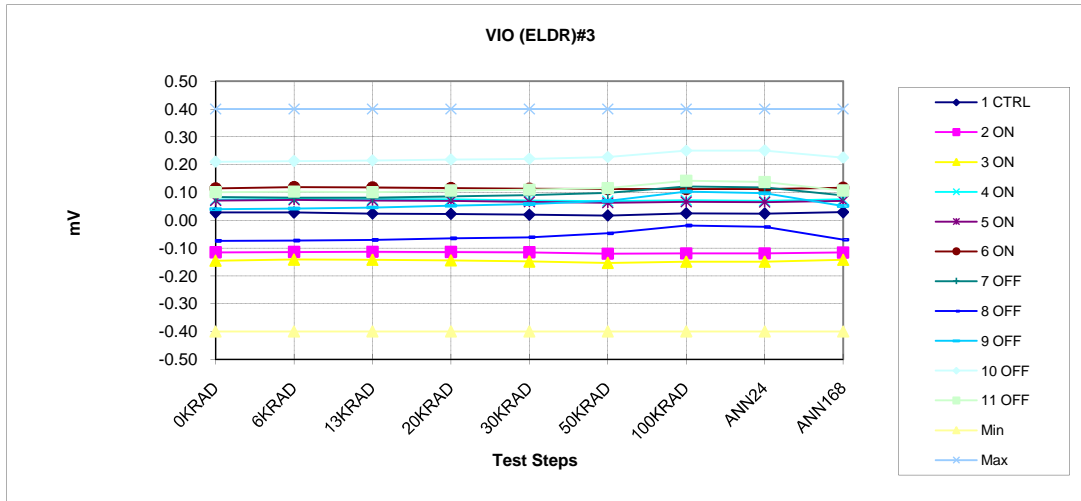
PSRR- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	120.25	120.10	120.18	120.35	120.45	120.28	119.89	120.33	120.05

Bias on results									
2 ON	120.41	118.92	117.60	116.81	116.07	115.22	114.95	115.52	118.94
3 ON	120.75	119.21	117.83	117.00	116.25	115.32	115.10	115.63	119.23
4 ON	119.69	118.59	117.45	116.81	116.05	115.10	114.61	115.28	118.45
5 ON	120.48	119.03	117.90	117.08	116.15	114.98	114.51	115.20	118.96
6 ON	120.21	118.90	117.93	117.21	116.47	115.14	114.39	115.05	118.80
Statistics bias on									
min result	119.69	118.59	117.45	116.81	116.05	114.98	114.39	115.05	118.45
max result	120.75	119.21	117.93	117.21	116.47	115.32	115.10	115.63	119.23
average	120.31	118.93	117.74	116.98	116.20	115.15	114.71	115.33	118.88
sigma	0.40	0.23	0.21	0.17	0.17	0.13	0.30	0.24	0.29

Bias off results									
7 OFF	120.77	118.91	116.61	114.93	113.62	111.44	108.75	108.94	116.00
8 OFF	120.53	118.72	116.19	114.57	113.20	111.12	108.29	108.49	115.59
9 OFF	120.13	118.83	116.44	114.78	113.56	111.72	109.01	109.17	115.50
10 OFF	119.64	118.23	115.97	114.31	113.01	111.00	108.22	108.40	114.67
11 OFF	120.61	118.82	116.19	114.31	112.82	110.94	108.16	108.33	115.12
Statistics bias off									
min result	119.64	118.23	115.97	114.31	112.82	110.94	108.16	108.33	114.67
max result	120.77	118.91	116.61	114.93	113.62	111.72	109.01	109.17	116.00
average	120.33	118.70	116.28	114.58	113.24	111.25	108.49	108.66	115.38
sigma	0.45	0.27	0.25	0.28	0.34	0.33	0.38	0.37	0.50



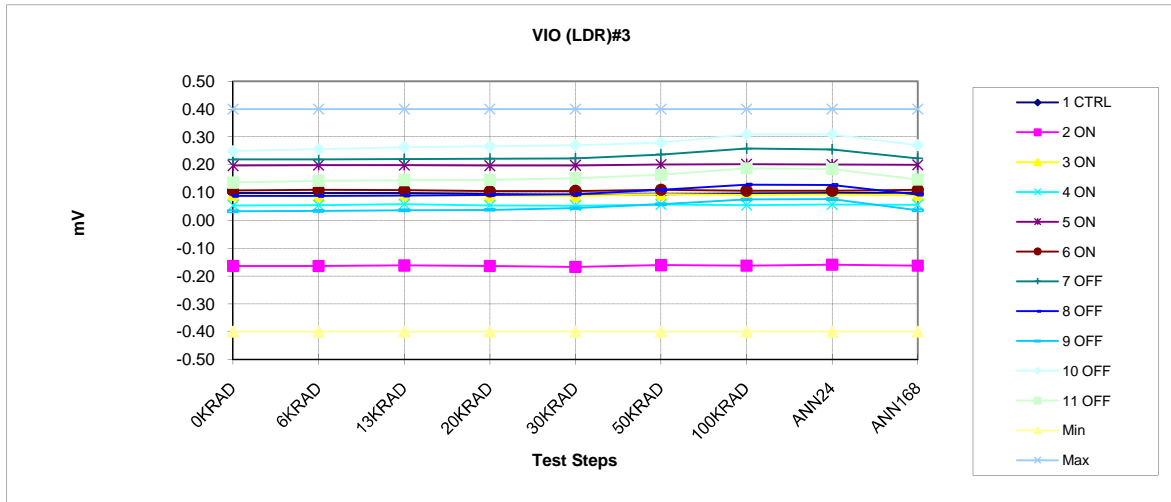
PSRR- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	120.26	119.09	117.81	117.11	116.60	116.25	116.11	116.50	118.67
ELDR OFF	120.97	119.24	116.32	114.42	112.88	111.18	108.68	108.86	116.14
LDR ON	120.31	118.93	117.74	116.98	116.20	115.15	114.71	115.33	118.88
LDR OFF	120.33	118.70	116.28	114.58	113.24	111.25	108.49	108.66	115.38



VIO (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 CTRL	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.03

Bias on results									
2 ON	-0.12	-0.11	-0.11	-0.11	-0.12	-0.12	-0.12	-0.12	-0.12
3 ON	-0.15	-0.14	-0.14	-0.14	-0.15	-0.15	-0.15	-0.15	-0.14
4 ON	0.07	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.08
5 ON	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.07
6 ON	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.12
Statistics bias on									
min result	-0.15	-0.14	-0.14	-0.14	-0.15	-0.15	-0.15	-0.15	-0.14
max result	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.12
average	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
sigma	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12

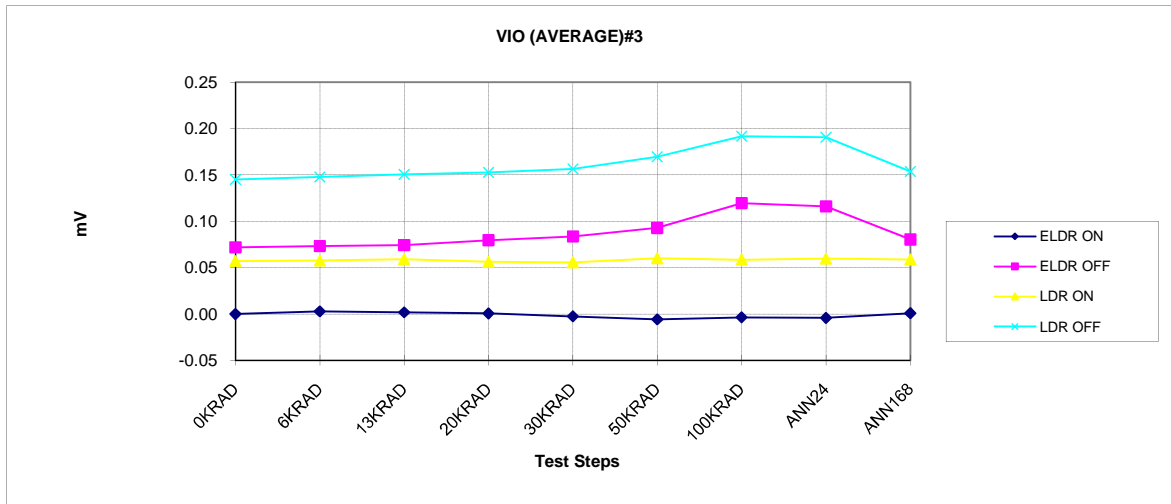
Bias off results									
7 OFF	0.08	0.08	0.08	0.09	0.09	0.10	0.12	0.12	0.09
8 OFF	-0.07	-0.07	-0.07	-0.07	-0.06	-0.05	-0.02	-0.02	-0.07
9 OFF	0.04	0.04	0.05	0.05	0.06	0.07	0.10	0.10	0.05
10 OFF	0.21	0.21	0.22	0.22	0.22	0.23	0.25	0.25	0.23
11 OFF	0.10	0.10	0.10	0.11	0.11	0.12	0.14	0.14	0.11
Statistics bias off									
min result	-0.07	-0.07	-0.07	-0.07	-0.06	-0.05	-0.02	-0.02	-0.07
max result	0.21	0.21	0.22	0.22	0.22	0.23	0.25	0.25	0.23
average	0.07	0.07	0.07	0.08	0.08	0.09	0.12	0.12	0.08
sigma	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11



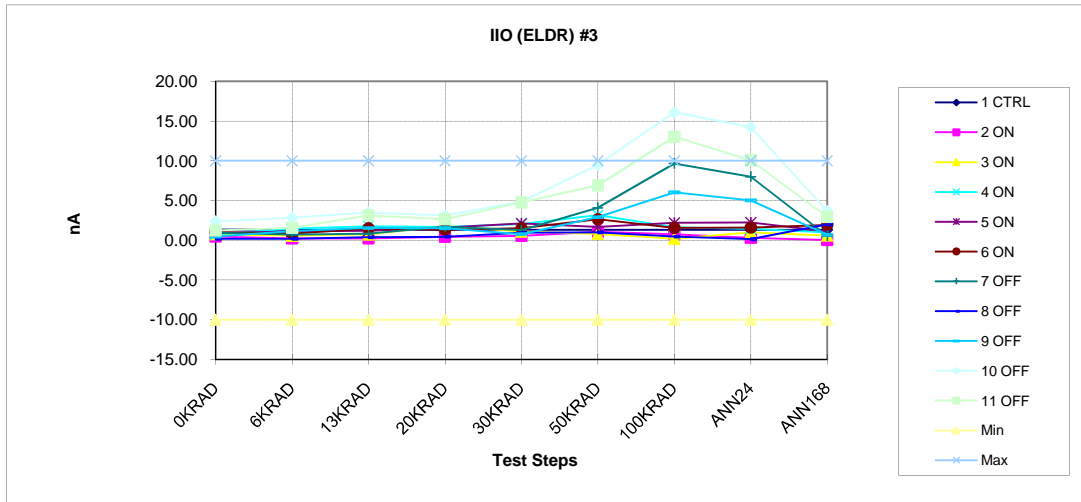
VIO (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 CTRL	0.10	0.10	0.10	0.10	0.09	0.09	0.10	0.10	0.10

Bias on results									
2 ON	-0.16	-0.16	-0.16	-0.16	-0.17	-0.16	-0.16	-0.16	-0.16
3 ON	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
4 ON	0.05	0.06	0.06	0.05	0.05	0.06	0.06	0.06	0.06
5 ON	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
6 ON	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Statistics bias on									
min result	-0.16	-0.16	-0.16	-0.16	-0.17	-0.16	-0.16	-0.16	-0.16
max result	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
average	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
sigma	0.13	0.13	0.13	0.13	0.14	0.13	0.14	0.13	0.13

Bias off results									
7 OFF	0.22	0.22	0.22	0.22	0.22	0.24	0.26	0.26	0.22
8 OFF	0.09	0.09	0.09	0.09	0.09	0.11	0.13	0.13	0.09
9 OFF	0.03	0.03	0.04	0.04	0.04	0.06	0.08	0.08	0.04
10 OFF	0.25	0.26	0.26	0.27	0.27	0.28	0.31	0.31	0.27
11 OFF	0.14	0.14	0.15	0.15	0.15	0.16	0.19	0.19	0.15
Statistics bias off									
min result	0.03	0.03	0.04	0.04	0.04	0.06	0.08	0.08	0.04
max result	0.25	0.26	0.26	0.27	0.27	0.28	0.31	0.31	0.27
average	0.15	0.15	0.15	0.15	0.16	0.17	0.19	0.19	0.15
sigma	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09



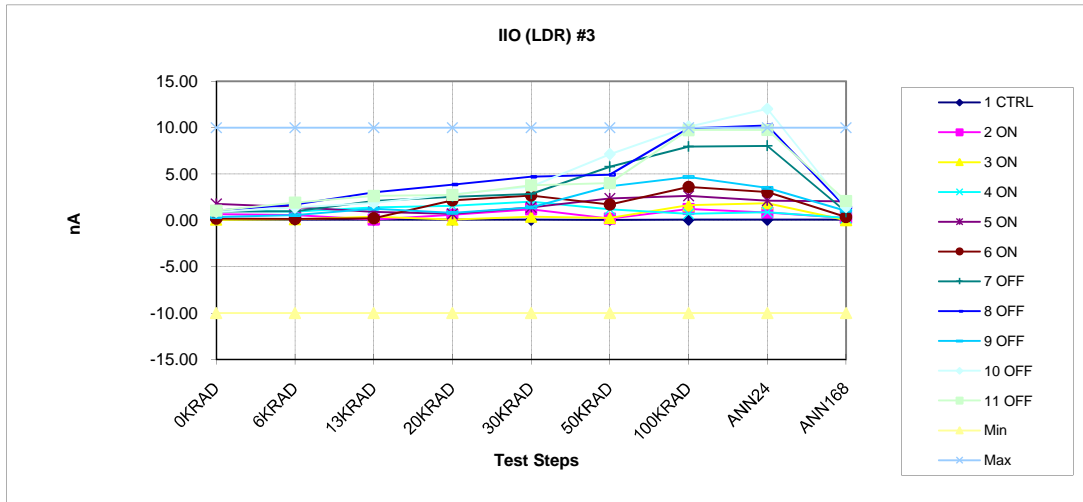
VIO (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
ELDR OFF	0.07	0.07	0.07	0.08	0.08	0.09	0.12	0.12	0.08
LDR ON	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
LDR OFF	0.15	0.15	0.15	0.15	0.16	0.17	0.19	0.19	0.15



IIO (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	10	10	10	10	10	10	10	10	10
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	1.34	1.33	1.33	1.33	1.32	1.32	1.32	1.32	1.32

Bias on results									
2 ON	0.48	0.24	0.25	0.43	0.54	1.06	0.74	0.32	0.04
3 ON	0.77	0.57	0.74	1.79	1.11	0.80	0.21	0.99	0.60
4 ON	0.76	1.48	1.77	1.67	2.03	3.16	1.64	1.44	0.99
5 ON	0.93	1.11	1.19	1.58	2.12	1.68	2.21	2.24	1.11
6 ON	1.04	0.85	1.49	1.31	1.53	2.65	1.55	1.59	1.91
Statistics bias on									
min result	0.48	0.24	0.25	0.43	0.54	0.80	0.21	0.32	0.04
max result	1.04	1.48	1.77	1.79	2.12	3.16	2.21	2.24	1.91
average	0.79	0.85	1.09	1.36	1.46	1.87	1.27	1.32	0.93
sigma	0.21	0.48	0.61	0.55	0.66	1.01	0.79	0.72	0.69

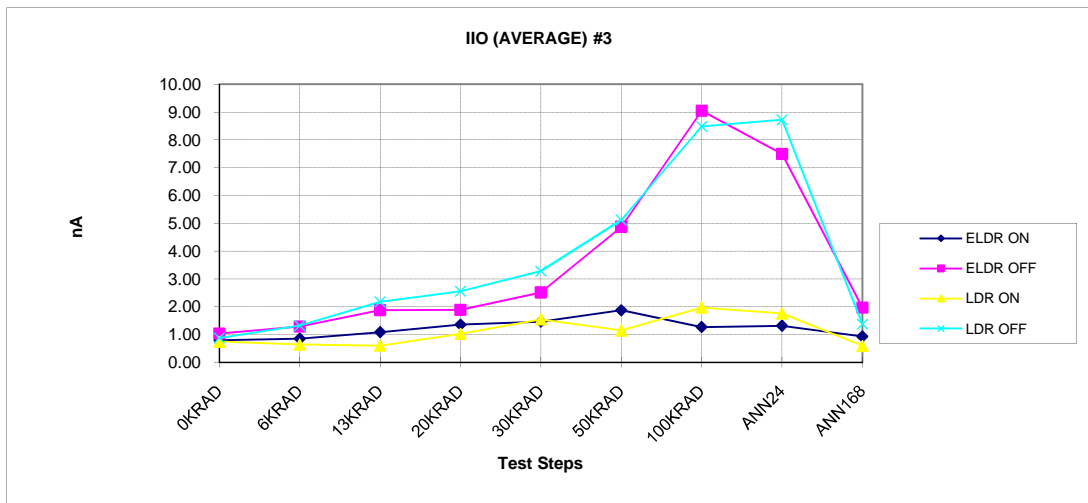
Bias off results									
7 OFF	0.96	0.71	0.82	1.72	1.26	4.08	9.66	7.99	0.54
8 OFF	0.18	0.19	0.37	0.45	0.93	0.99	0.45	0.16	1.99
9 OFF	0.45	1.14	1.54	1.51	0.77	2.91	6.02	5.01	0.69
10 OFF	2.36	2.84	3.50	3.11	4.85	9.48	16.09	14.23	3.68
11 OFF	1.23	1.57	3.14	2.65	4.77	6.90	13.02	10.08	2.93
Statistics bias off									
min result	0.18	0.19	0.37	0.45	0.77	0.99	0.45	0.16	0.54
max result	2.36	2.84	3.50	3.11	4.85	9.48	16.09	14.23	3.68
average	1.04	1.29	1.87	1.89	2.51	4.87	9.05	7.49	1.96
sigma	0.85	1.00	1.39	1.04	2.10	3.35	6.10	5.30	1.37



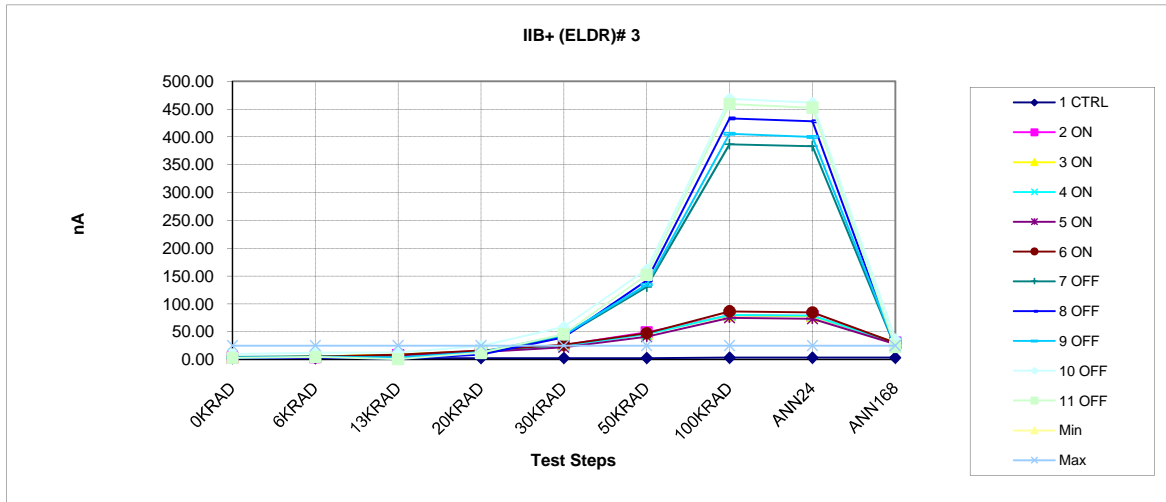
IIO (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	10	10	10	10	10	10	10	10	10
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	0.09	0.08	0.09	0.08	0.08	0.07	0.07	0.08	0.09

Bias on results									
2 ON	0.67	0.56	0.10	0.60	1.21	0.20	1.23	0.85	0.26
3 ON	0.07	0.12	0.39	0.08	0.39	0.25	1.63	1.86	0.02
4 ON	1.02	0.97	1.39	1.59	2.03	1.21	0.71	0.89	0.26
5 ON	1.78	1.43	0.92	0.70	1.42	2.37	2.64	2.14	2.06
6 ON	0.19	0.15	0.22	2.16	2.69	1.71	3.62	3.05	0.37
Statistics bias on									
min result	0.07	0.12	0.10	0.08	0.39	0.20	0.71	0.85	0.02
max result	1.78	1.43	1.39	2.16	2.69	2.37	3.62	3.05	2.06
average	0.75	0.64	0.60	1.03	1.55	1.15	1.97	1.76	0.59
sigma	0.69	0.56	0.54	0.84	0.87	0.94	1.16	0.92	0.83

Bias off results									
7 OFF	0.94	1.00	2.09	2.54	2.86	5.80	7.97	8.05	0.91
8 OFF	1.05	1.71	3.02	3.87	4.70	4.93	9.93	10.26	1.36
9 OFF	0.37	0.58	1.25	0.82	1.40	3.68	4.67	3.52	1.04
10 OFF	0.93	1.40	1.90	2.80	3.66	7.15	10.10	12.02	1.45
11 OFF	1.07	1.92	2.63	2.75	3.79	4.04	9.74	9.75	2.09
Statistics bias off									
min result	0.37	0.58	1.25	0.82	1.40	3.68	4.67	3.52	0.91
max result	1.07	1.92	3.02	3.87	4.70	7.15	10.10	12.02	2.09
average	0.87	1.32	2.18	2.56	3.28	5.12	8.48	8.72	1.37
sigma	0.29	0.54	0.68	1.10	1.24	1.40	2.30	3.23	0.46



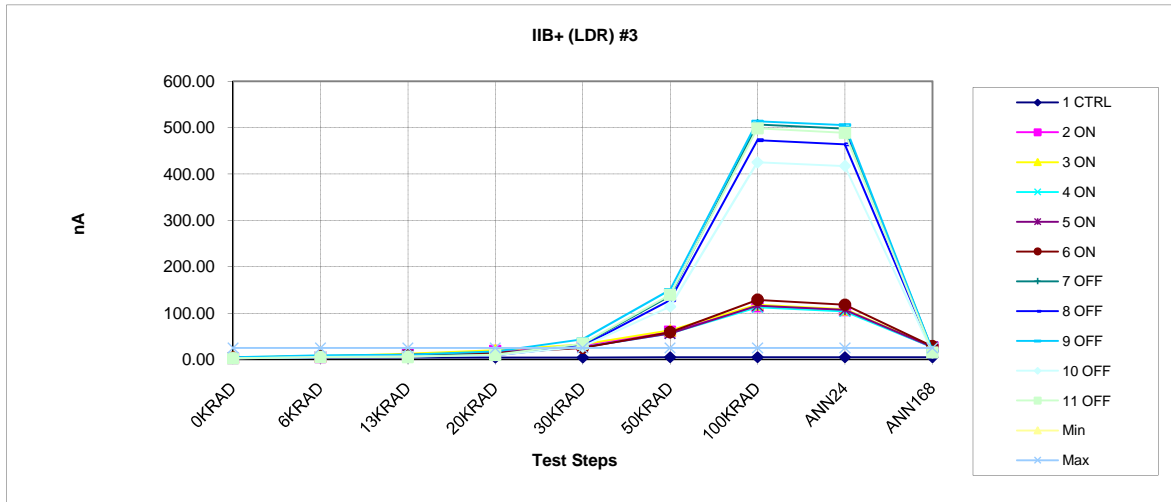
IIO (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.79	0.85	1.09	1.36	1.46	1.87	1.27	1.32	0.93
ELDR OFF	1.04	1.29	1.87	1.89	2.51	4.87	9.05	7.49	1.96
LDR ON	0.75	0.64	0.60	1.03	1.55	1.15	1.97	1.76	0.59
LDR OFF	0.87	1.32	2.18	2.56	3.28	5.12	8.48	8.72	1.37



IIB+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	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	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	2.60	2.56	2.58	2.61	2.55	2.51	3.22	3.30	3.29

Bias on results									
2 ON	3.22	4.24	8.08	15.46	26.11	48.70	79.32	78.36	30.54
3 ON	3.88	5.34	9.39	15.03	25.71	45.96	79.37	77.93	30.88
4 ON	3.53	4.20	7.23	14.38	23.95	45.25	79.97	78.91	29.81
5 ON	3.25	4.09	7.33	12.98	22.17	41.13	74.65	73.16	27.50
6 ON	3.58	5.04	8.53	15.94	26.37	47.15	86.55	84.61	30.22
Statistics bias on									
min result	3.22	4.09	7.23	12.98	22.17	41.13	74.65	73.16	27.50
max result	3.88	5.34	9.39	15.94	26.37	48.70	86.55	84.61	30.88
average	3.49	4.58	8.11	14.76	24.86	45.64	79.97	78.59	29.79
sigma	0.27	0.57	0.90	1.15	1.78	2.84	4.26	4.07	1.34

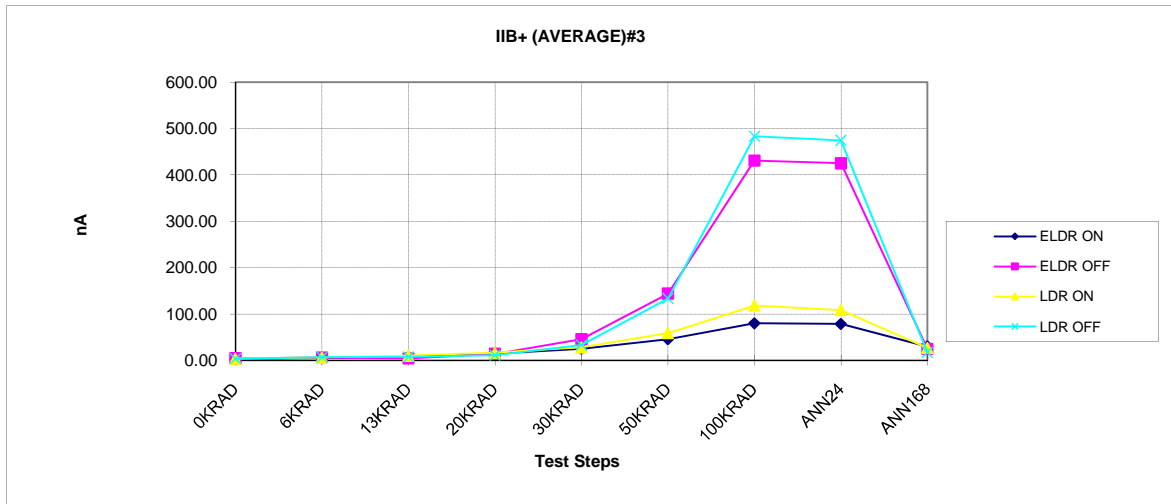
Bias off results									
7 OFF	4.62	5.52	3.33	11.87	42.08	130.58	386.82	383.38	21.06
8 OFF	2.11	3.89	0.91	8.74	39.65	141.74	433.24	428.13	21.44
9 OFF	3.37	4.89	3.47	13.53	43.48	134.01	405.63	399.96	23.05
10 OFF	9.61	12.08	12.46	24.48	58.57	161.54	468.64	461.65	36.26
11 OFF	2.85	4.54	0.56	11.84	45.25	151.82	459.36	452.59	22.78
Statistics bias off									
min result	2.11	3.89	0.56	8.74	39.65	130.58	386.82	383.38	21.06
max result	9.61	12.08	12.46	24.48	58.57	161.54	468.64	461.65	36.26
average	4.51	6.18	4.15	14.09	45.81	143.94	430.74	425.14	24.92
sigma	2.99	3.35	4.84	6.06	7.42	12.78	34.72	33.44	6.40



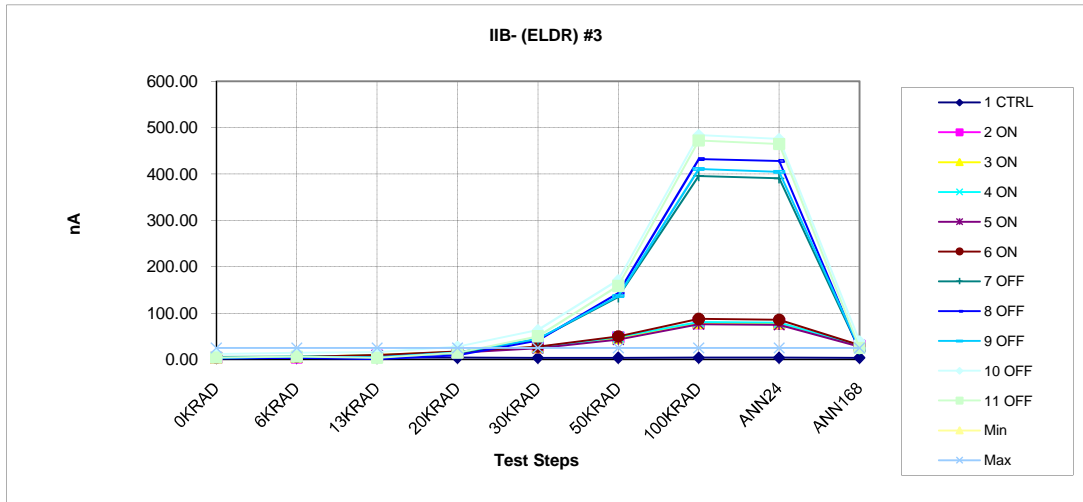
IIB+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-25	-25	-25	-25	-25	-25	-25	-25	-25
Max	25	25	25	25	25	25	25	25	25
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	4.37	4.18	4.31	4.26	4.27	5.09	4.97	5.03	4.87

Bias on results									
2 ON	2.74	5.03	10.11	18.66	30.65	60.04	114.47	106.57	26.09
3 ON	5.04	7.00	12.51	20.04	32.23	62.65	117.96	108.18	27.58
4 ON	3.16	5.21	8.92	15.20	26.56	55.91	112.89	103.82	26.56
5 ON	3.99	6.21	9.82	15.20	26.41	55.90	116.25	107.12	26.66
6 ON	4.35	6.77	10.18	13.63	24.97	59.03	128.76	118.19	28.68
Statistics bias on									
min result	2.74	5.03	8.92	13.63	24.97	55.90	112.89	103.82	26.09
max result	5.04	7.00	12.51	20.04	32.23	62.65	128.76	118.19	28.68
average	3.86	6.04	10.31	16.54	28.17	58.71	118.07	108.77	27.11
sigma	0.92	0.89	1.33	2.68	3.11	2.88	6.27	5.50	1.03

Bias off results									
7 OFF	3.58	7.44	7.75	10.12	32.32	137.01	507.08	497.71	18.61
8 OFF	3.76	7.00	6.55	8.67	28.75	127.52	472.84	464.06	17.54
9 OFF	4.64	9.19	10.59	17.64	43.83	150.05	513.54	505.72	19.50
10 OFF	2.35	5.34	6.90	9.21	27.39	114.10	425.12	417.45	14.87
11 OFF	2.51	5.05	5.27	10.09	34.17	139.53	498.80	488.96	15.35
Statistics bias off									
min result	2.35	5.05	5.27	8.67	27.39	114.10	425.12	417.45	14.87
max result	4.64	9.19	10.59	17.64	43.83	150.05	513.54	505.72	19.50
average	3.37	6.80	7.41	11.14	33.29	133.64	483.48	474.78	17.17
sigma	0.95	1.68	1.99	3.68	6.48	13.55	36.10	35.66	2.02



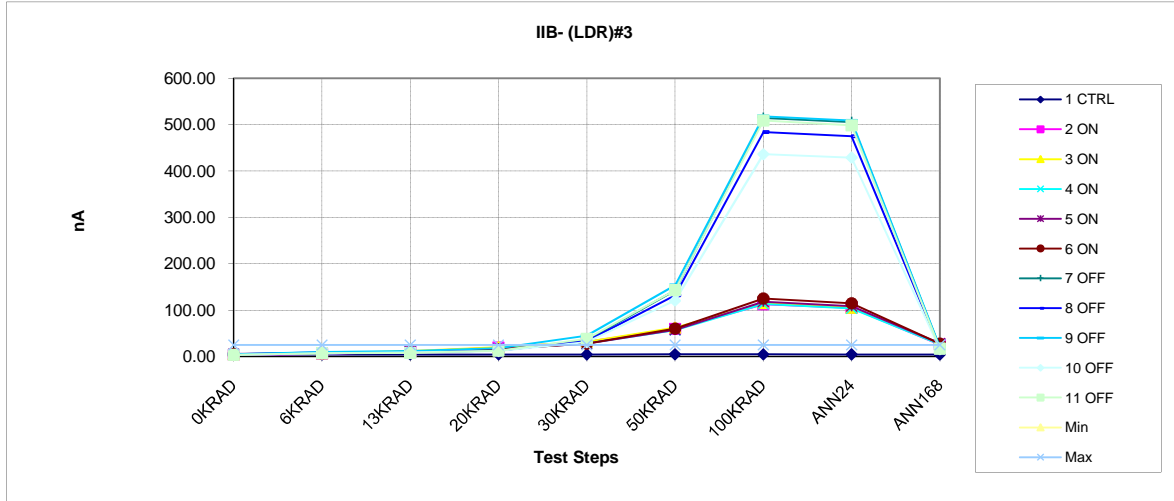
IIB+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	3.49	4.58	8.11	14.76	24.86	45.64	79.97	78.59	29.79
ELDR OFF	4.51	6.18	4.15	14.09	45.81	143.94	430.74	425.14	24.92
LDR ON	3.86	6.04	10.31	16.54	28.17	58.71	118.07	108.77	27.11
LDR OFF	3.37	6.80	7.41	11.14	33.29	133.64	483.48	474.78	17.17



IIB- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	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	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	3.83	3.78	3.83	3.87	3.80	3.77	4.01	3.99	3.71

Bias on results									
2 ON	3.59	4.38	8.25	15.78	26.56	47.46	77.90	77.34	29.61
3 ON	4.57	5.80	10.02	16.74	26.70	46.60	78.99	78.25	30.76
4 ON	4.21	5.59	8.92	15.89	25.86	48.20	80.91	79.51	30.15
5 ON	4.09	5.11	8.45	14.42	24.13	42.72	76.25	74.72	27.81
6 ON	4.53	5.79	9.85	17.18	27.79	49.63	87.48	85.51	31.29
Statistics bias on									
min result	3.59	4.38	8.25	14.42	24.13	42.72	76.25	74.72	27.81
max result	4.57	5.80	10.02	17.18	27.79	49.63	87.48	85.51	31.29
average	4.20	5.34	9.10	16.00	26.21	46.92	80.31	79.07	29.92
sigma	0.40	0.60	0.81	1.06	1.35	2.60	4.35	4.01	1.34

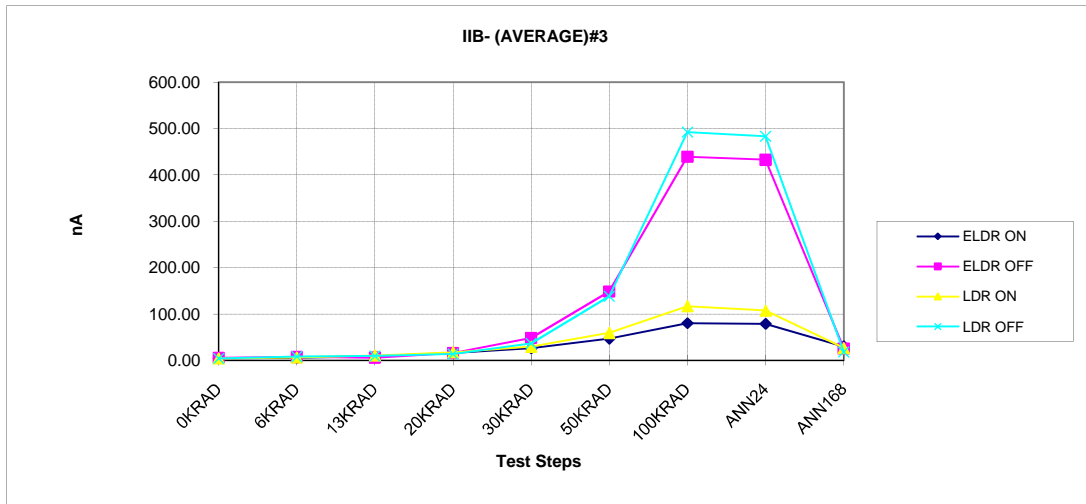
Bias off results									
7 OFF	5.49	6.19	4.17	13.54	43.25	134.42	395.95	390.69	20.83
8 OFF	1.85	3.62	0.60	9.07	40.44	142.74	432.45	428.09	18.90
9 OFF	3.77	5.97	4.91	14.89	44.18	136.90	410.99	404.50	23.14
10 OFF	11.87	14.80	15.87	27.50	63.30	170.99	484.22	475.54	39.43
11 OFF	3.99	6.08	3.70	14.54	50.03	158.54	472.31	464.86	25.12
Statistics bias off									
min result	1.85	3.62	0.60	9.07	40.44	134.42	395.95	390.69	18.90
max result	11.87	14.80	15.87	27.50	63.30	170.99	484.22	475.54	39.43
average	5.39	7.33	5.85	15.91	48.24	148.72	439.18	432.74	25.48
sigma	3.84	4.31	5.84	6.89	9.11	15.59	38.19	36.92	8.14



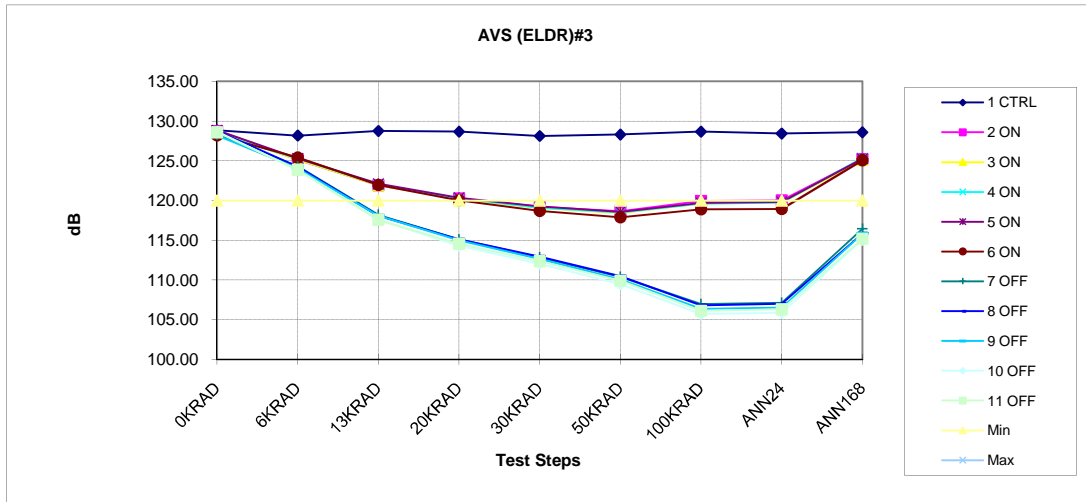
IIB- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-25	-25	-25	-25	-25	-25	-25	-25	-25
Max	25	25	25	25	25	25	25	25	25
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	4.38	4.18	4.31	4.23	4.29	4.60	4.54	4.40	4.22

Bias on results									
2 ON	3.28	5.51	10.05	19.14	31.76	59.20	112.37	104.95	25.42
3 ON	4.87	6.81	12.04	19.99	31.78	62.18	115.52	105.41	26.84
4 ON	4.10	6.09	10.19	16.65	28.47	56.56	113.08	103.86	26.00
5 ON	5.67	7.55	10.59	15.81	27.71	57.67	118.32	108.59	28.04
6 ON	4.42	6.82	10.32	15.71	27.61	60.14	124.82	114.44	27.50
Statistics bias on									
min result	3.28	5.51	10.05	15.71	27.61	56.56	112.37	103.86	25.42
max result	5.67	7.55	12.04	19.99	31.78	62.18	124.82	114.44	28.04
average	4.47	6.55	10.64	17.46	29.46	59.15	116.82	107.45	26.76
sigma	0.89	0.78	0.81	1.98	2.13	2.18	5.04	4.28	1.07

Bias off results									
7 OFF	4.45	8.43	9.75	12.45	35.11	142.20	514.63	505.24	18.79
8 OFF	4.73	8.67	9.40	12.39	33.33	131.64	483.96	475.31	18.03
9 OFF	4.92	9.72	11.68	18.31	45.02	153.31	518.06	508.63	19.87
10 OFF	3.21	6.64	8.71	11.97	31.06	120.57	436.52	429.09	15.65
11 OFF	3.49	6.89	7.75	12.70	37.73	143.06	508.78	498.50	16.89
Statistics bias off									
min result	3.21	6.64	7.75	11.97	31.06	120.57	436.52	429.09	15.65
max result	4.92	9.72	11.68	18.31	45.02	153.31	518.06	508.63	19.87
average	4.16	8.07	9.46	13.57	36.45	138.16	492.39	483.35	17.84
sigma	0.77	1.29	1.46	2.67	5.38	12.47	33.97	33.00	1.64



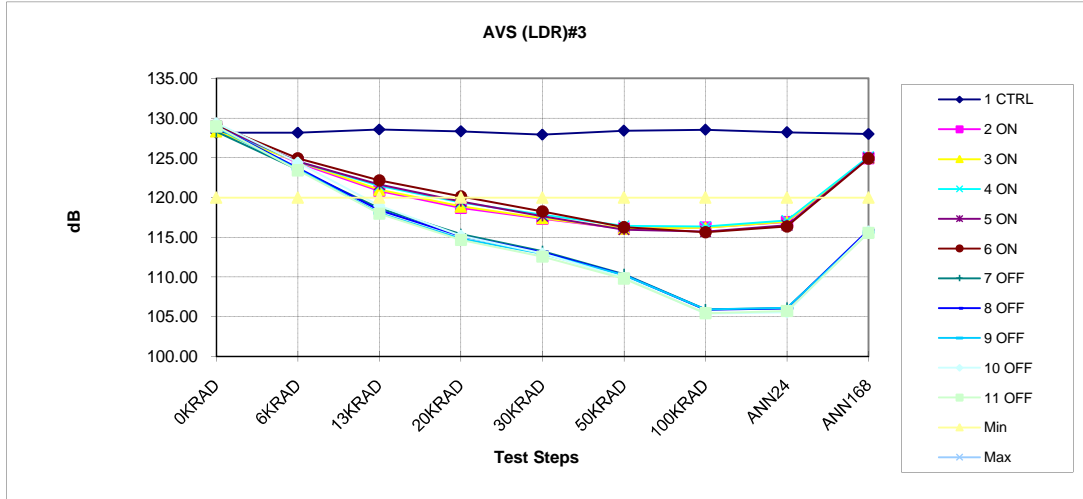
IIB- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	4.20	5.34	9.10	16.00	26.21	46.92	80.31	79.07	29.92
ELDR OFF	5.39	7.33	5.85	15.91	48.24	148.72	439.18	432.74	25.48
LDR ON	4.47	6.55	10.64	17.46	29.46	59.15	116.82	107.45	26.76
LDR OFF	4.16	8.07	9.46	13.57	36.45	138.16	492.39	483.35	17.84



AVS (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	120	120	120	120	120	120	120	120	120
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	128.86	128.18	128.77	128.68	128.13	128.31	128.67	128.44	128.60

Bias on results									
2 ON	128.72	125.15	121.93	120.26	119.22	118.64	119.95	120.01	125.21
3 ON	128.66	125.15	121.90	120.17	119.04	118.40	119.63	119.73	125.11
4 ON	128.38	125.29	122.00	120.25	119.10	118.51	119.64	119.76	125.33
5 ON	128.84	125.29	122.10	120.36	119.25	118.59	119.70	119.81	125.26
6 ON	128.20	125.40	121.95	120.02	118.71	117.88	118.90	118.94	125.07
Statistics bias on									
min result	128.20	125.15	121.90	120.02	118.71	117.88	118.90	118.94	125.07
max result	128.84	125.40	122.10	120.36	119.25	118.64	119.95	120.01	125.33
average	128.56	125.26	121.98	120.21	119.06	118.40	119.56	119.65	125.20
sigma	0.26	0.11	0.08	0.12	0.22	0.31	0.39	0.41	0.11

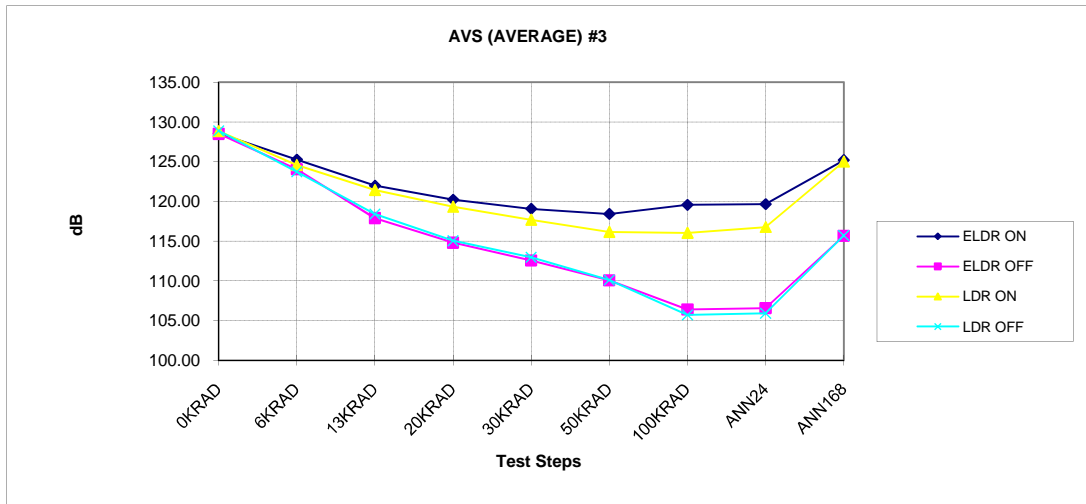
Bias off results									
7 OFF	128.29	124.27	118.19	115.09	112.86	110.40	106.98	107.13	116.44
8 OFF	128.75	124.25	118.09	115.10	112.94	110.48	106.81	107.03	115.82
9 OFF	128.21	124.05	118.09	114.97	112.65	110.07	106.38	106.54	115.84
10 OFF	128.69	123.82	117.56	114.31	112.05	109.45	105.73	105.88	115.06
11 OFF	128.59	123.87	117.58	114.56	112.37	109.91	106.13	106.31	115.19
Statistics bias off									
min result	128.21	123.82	117.56	114.31	112.05	109.45	105.73	105.88	115.06
max result	128.75	124.27	118.19	115.10	112.94	110.48	106.98	107.13	116.44
average	128.50	124.05	117.90	114.81	112.57	110.06	106.41	106.58	115.67
sigma	0.24	0.21	0.30	0.35	0.37	0.41	0.51	0.52	0.56



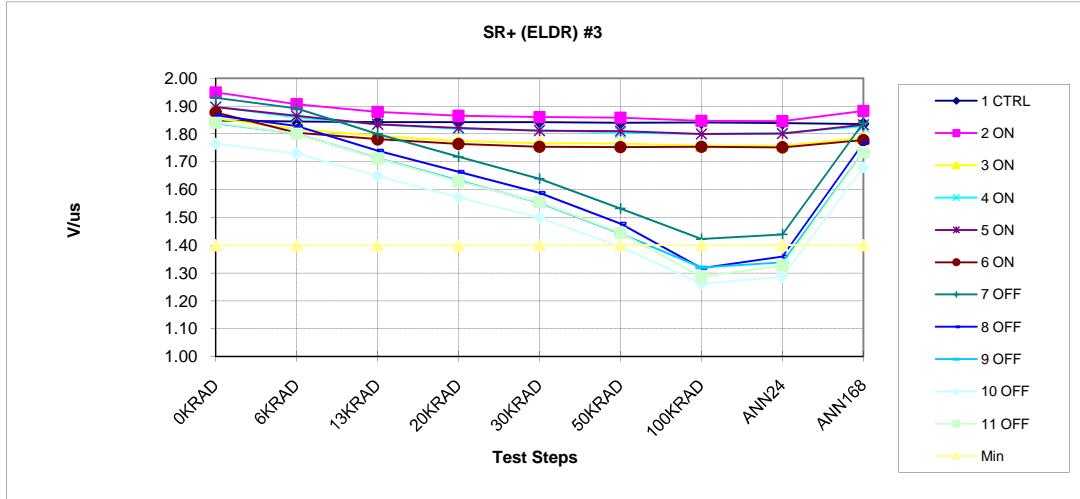
AVS (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	120	120	120	120	120	120	120	120	120
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	128.14	128.15	128.55	128.34	127.91	128.41	128.54	128.21	127.98

Bias on results									
2 ON	128.87	124.37	120.83	118.69	117.34	116.09	116.23	116.93	124.96
3 ON	128.32	124.53	120.99	118.88	117.41	116.10	116.20	116.95	125.07
4 ON	128.85	124.55	121.48	119.37	117.83	116.42	116.37	117.13	125.15
5 ON	128.99	124.51	121.63	119.52	117.66	115.95	115.72	116.53	124.99
6 ON	129.13	124.95	122.17	120.13	118.25	116.26	115.64	116.35	124.91
Statistics bias on									
min result	128.32	124.37	120.83	118.69	117.34	115.95	115.64	116.35	124.91
max result	129.13	124.95	122.17	120.13	118.25	116.42	116.37	117.13	125.15
average	128.83	124.58	121.42	119.32	117.70	116.16	116.03	116.78	125.01
sigma	0.31	0.22	0.54	0.57	0.37	0.18	0.33	0.32	0.09

Bias off results									
7 OFF	128.29	123.52	118.63	115.40	113.24	110.36	105.93	106.10	115.71
8 OFF	128.97	123.71	118.40	115.14	113.12	110.29	105.87	106.04	115.89
9 OFF	128.79	123.55	118.05	114.85	112.93	110.24	105.92	106.13	115.63
10 OFF	129.37	124.42	118.98	115.20	112.96	109.91	105.42	105.58	115.75
11 OFF	128.95	123.43	117.97	114.66	112.56	109.81	105.44	105.71	115.55
Statistics bias off									
min result	128.29	123.43	117.97	114.66	112.56	109.81	105.42	105.58	115.55
max result	129.37	124.42	118.98	115.40	113.24	110.36	105.93	106.13	115.89
average	128.87	123.73	118.41	115.05	112.96	110.12	105.71	105.91	115.71
sigma	0.39	0.40	0.42	0.29	0.26	0.24	0.26	0.25	0.13



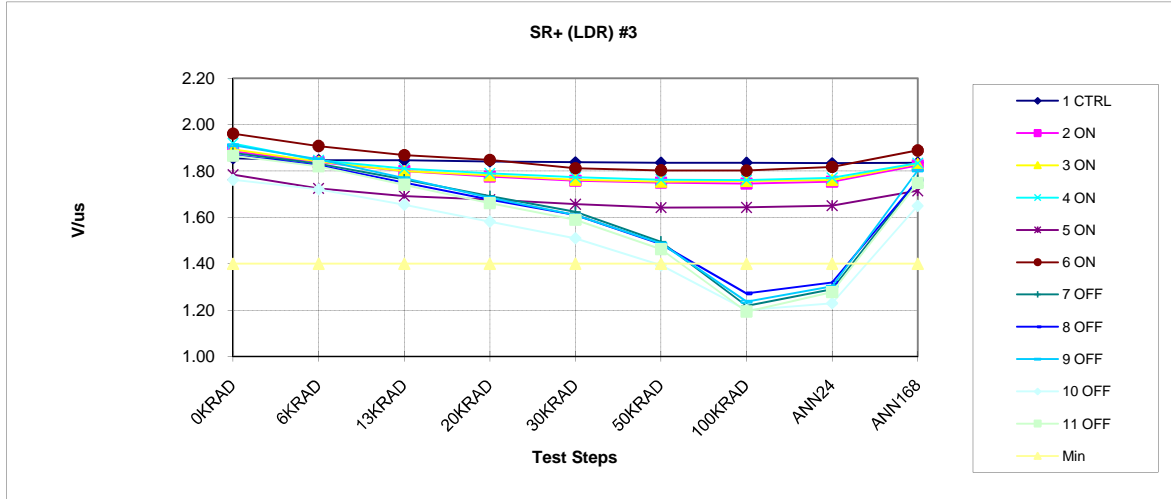
AVS (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	128.56	125.26	121.98	120.21	119.06	118.40	119.56	119.65	125.20
ELDR OFF	128.50	124.05	117.90	114.81	112.57	110.06	106.41	106.58	115.67
LDR ON	128.83	124.58	121.42	119.32	117.70	116.16	116.03	116.78	125.01
LDR OFF	128.87	123.73	118.41	115.05	112.96	110.12	105.71	105.91	115.71



SR+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	1.85	1.85	1.84	1.84	1.84	1.84	1.84	1.84	1.84

Bias on results									
2 ON	1.95	1.91	1.88	1.87	1.86	1.86	1.85	1.85	1.88
3 ON	1.86	1.82	1.79	1.78	1.77	1.77	1.76	1.76	1.79
4 ON	1.90	1.86	1.84	1.82	1.81	1.80	1.80	1.80	1.83
5 ON	1.90	1.87	1.84	1.82	1.81	1.81	1.80	1.80	1.83
6 ON	1.88	1.80	1.78	1.76	1.75	1.75	1.75	1.75	1.78
Statistics bias on									
min result	1.86	1.80	1.78	1.76	1.75	1.75	1.75	1.75	1.78
max result	1.95	1.91	1.88	1.87	1.86	1.86	1.85	1.85	1.88
average	1.90	1.85	1.82	1.81	1.80	1.80	1.79	1.79	1.82
sigma	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

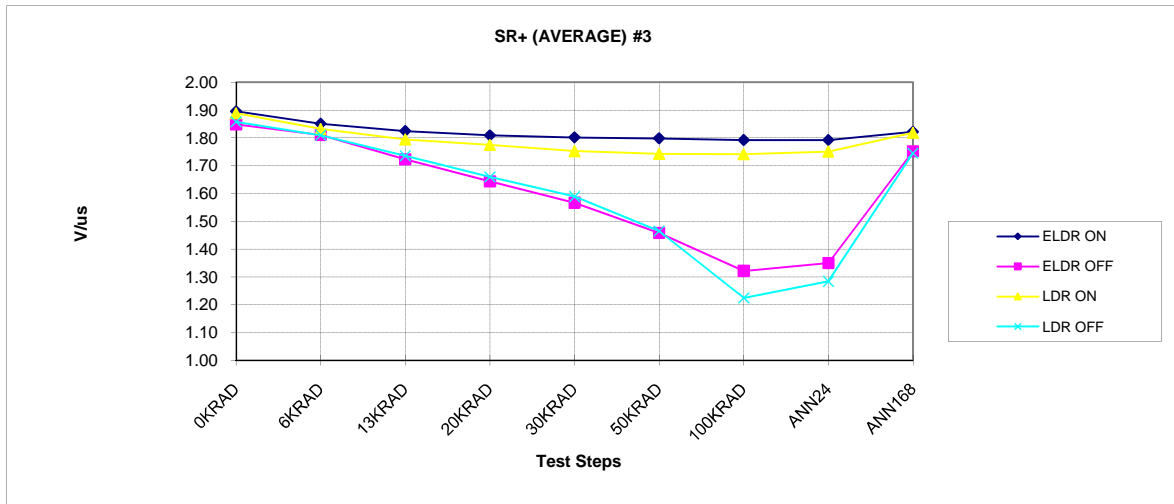
Bias off results									
7 OFF	1.93	1.89	1.80	1.72	1.64	1.53	1.42	1.44	1.84
8 OFF	1.87	1.83	1.74	1.66	1.59	1.48	1.32	1.36	1.77
9 OFF	1.84	1.80	1.71	1.63	1.55	1.44	1.32	1.34	1.74
10 OFF	1.77	1.73	1.65	1.57	1.50	1.40	1.26	1.29	1.68
11 OFF	1.84	1.80	1.71	1.63	1.56	1.44	1.29	1.33	1.73
Statistics bias off									
min result	1.77	1.73	1.65	1.57	1.50	1.40	1.26	1.29	1.68
max result	1.93	1.89	1.80	1.72	1.64	1.53	1.42	1.44	1.84
average	1.85	1.81	1.72	1.64	1.57	1.46	1.32	1.35	1.75
sigma	0.06	0.06	0.05	0.05	0.05	0.05	0.06	0.06	0.06



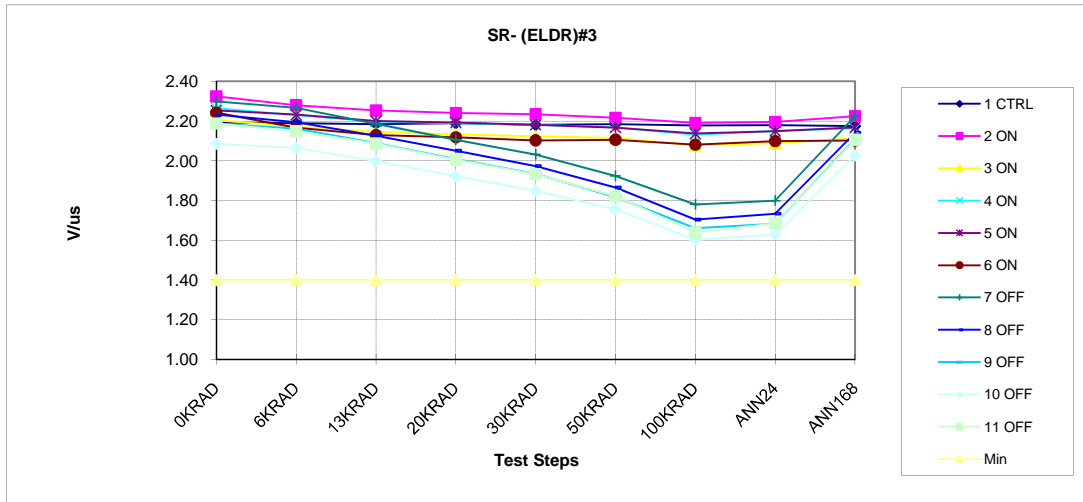
SR+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	1.86	1.85	1.85	1.84	1.84	1.84	1.84	1.83	1.84

Bias on results									
2 ON	1.89	1.84	1.80	1.78	1.76	1.75	1.75	1.75	1.82
3 ON	1.89	1.84	1.80	1.78	1.76	1.75	1.76	1.76	1.83
4 ON	1.92	1.85	1.81	1.79	1.77	1.76	1.76	1.77	1.83
5 ON	1.78	1.73	1.69	1.68	1.66	1.64	1.64	1.65	1.72
6 ON	1.96	1.91	1.87	1.85	1.81	1.80	1.80	1.82	1.89
Statistics bias on									
min result	1.78	1.73	1.69	1.68	1.66	1.64	1.64	1.65	1.72
max result	1.96	1.91	1.87	1.85	1.81	1.80	1.80	1.82	1.89
average	1.89	1.83	1.79	1.77	1.75	1.74	1.74	1.75	1.82
sigma	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06

Bias off results									
7 OFF	1.88	1.83	1.76	1.69	1.62	1.50	1.22	1.29	1.76
8 OFF	1.87	1.83	1.75	1.68	1.61	1.49	1.27	1.32	1.76
9 OFF	1.91	1.85	1.77	1.69	1.61	1.49	1.24	1.30	1.80
10 OFF	1.76	1.72	1.66	1.58	1.51	1.39	1.20	1.23	1.65
11 OFF	1.87	1.82	1.74	1.66	1.59	1.46	1.19	1.28	1.75
Statistics bias off									
min result	1.76	1.72	1.66	1.58	1.51	1.39	1.19	1.23	1.65
max result	1.91	1.85	1.77	1.69	1.62	1.50	1.27	1.32	1.80
average	1.86	1.81	1.74	1.66	1.59	1.46	1.22	1.28	1.74
sigma	0.06	0.05	0.05	0.04	0.05	0.04	0.03	0.03	0.06



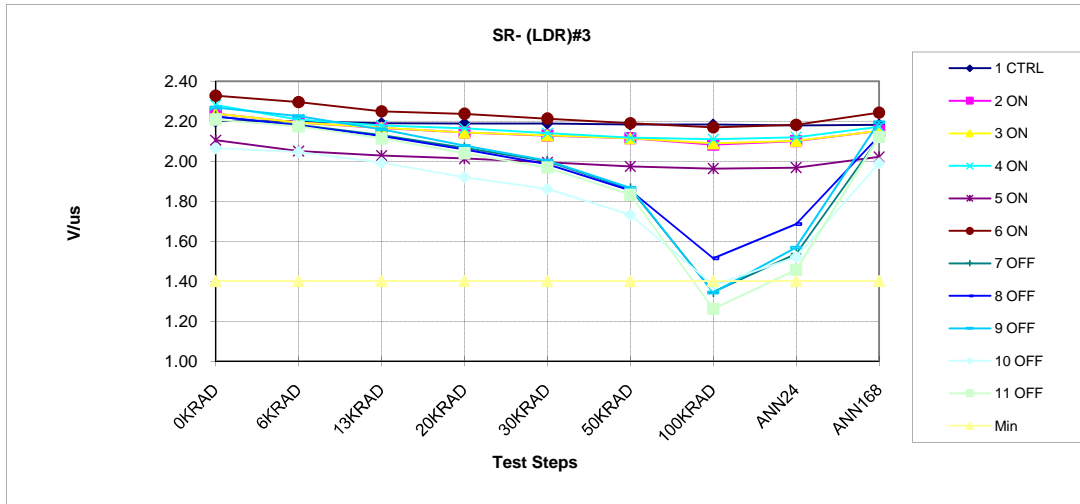
SR+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.90	1.85	1.82	1.81	1.80	1.80	1.79	1.79	1.82
ELDR OFF	1.85	1.81	1.72	1.64	1.57	1.46	1.32	1.35	1.75
LDR ON	1.89	1.83	1.79	1.77	1.75	1.74	1.74	1.75	1.82
LDR OFF	1.86	1.81	1.74	1.66	1.59	1.46	1.22	1.28	1.74



SR- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	2.19	2.19	2.19	2.19	2.18	2.18	2.18	2.18	2.18

Bias on results									
2 ON	2.33	2.28	2.25	2.24	2.23	2.22	2.19	2.20	2.23
3 ON	2.20	2.17	2.15	2.13	2.12	2.12	2.08	2.09	2.11
4 ON	2.27	2.23	2.20	2.19	2.18	2.17	2.13	2.15	2.16
5 ON	2.25	2.23	2.20	2.19	2.18	2.17	2.14	2.15	2.17
6 ON	2.24	2.17	2.13	2.12	2.10	2.11	2.08	2.10	2.10
Statistics bias on									
min result	2.20	2.17	2.13	2.12	2.10	2.11	2.08	2.09	2.10
max result	2.33	2.28	2.25	2.24	2.23	2.22	2.19	2.20	2.23
average	2.26	2.22	2.19	2.17	2.16	2.15	2.12	2.14	2.15
sigma	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05

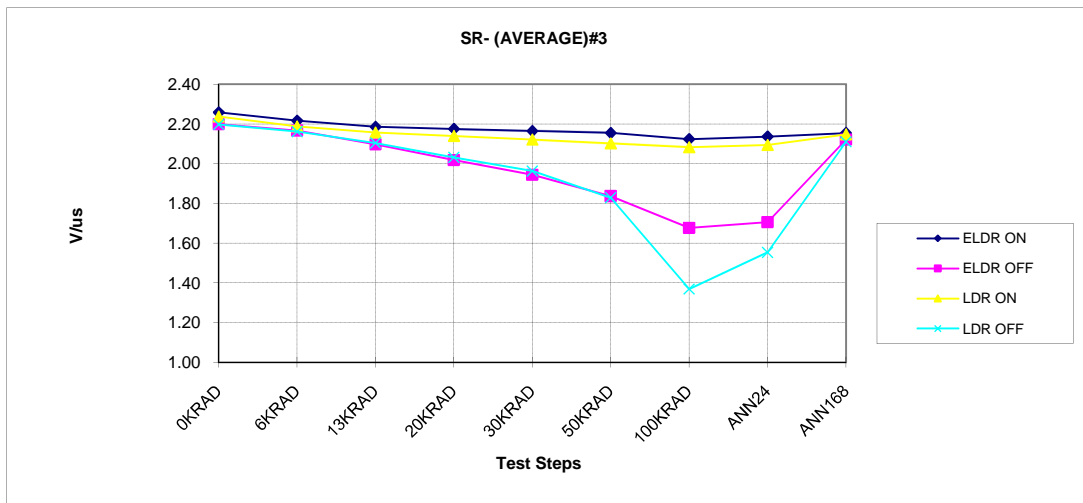
Bias off results									
7 OFF	2.30	2.27	2.19	2.11	2.03	1.92	1.78	1.80	2.23
8 OFF	2.23	2.19	2.13	2.05	1.97	1.87	1.70	1.73	2.14
9 OFF	2.19	2.16	2.09	2.01	1.94	1.82	1.66	1.68	2.11
10 OFF	2.09	2.07	2.00	1.92	1.85	1.76	1.60	1.63	2.03
11 OFF	2.19	2.15	2.09	2.01	1.93	1.82	1.64	1.69	2.11
Statistics bias off									
min result	2.09	2.07	2.00	1.92	1.85	1.76	1.60	1.63	2.03
max result	2.30	2.27	2.19	2.11	2.03	1.92	1.78	1.80	2.23
average	2.20	2.17	2.10	2.02	1.94	1.84	1.68	1.71	2.12
sigma	0.08	0.07	0.07	0.07	0.07	0.06	0.07	0.06	0.07



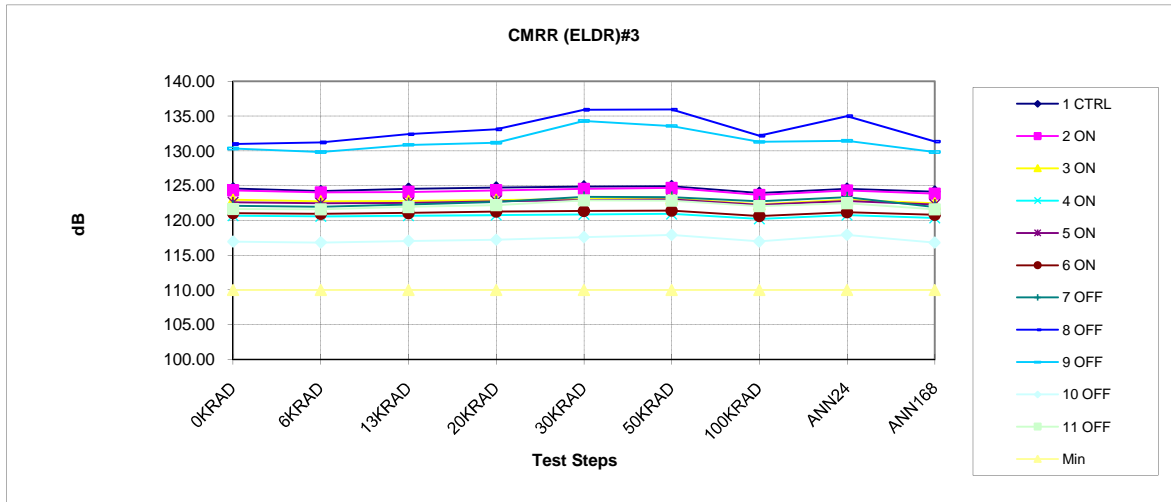
SR- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	2.20	2.20	2.19	2.19	2.19	2.18	2.18	2.18	2.18

Bias on results									
2 ON	2.24	2.19	2.17	2.14	2.13	2.12	2.08	2.10	2.15
3 ON	2.24	2.19	2.17	2.14	2.13	2.11	2.09	2.10	2.15
4 ON	2.28	2.21	2.18	2.16	2.14	2.12	2.11	2.12	2.17
5 ON	2.11	2.05	2.03	2.01	2.00	1.97	1.96	1.97	2.02
6 ON	2.33	2.30	2.25	2.24	2.21	2.19	2.17	2.18	2.24
Statistics bias on									
min result	2.11	2.05	2.03	2.01	2.00	1.97	1.96	1.97	2.02
max result	2.33	2.30	2.25	2.24	2.21	2.19	2.17	2.18	2.24
average	2.24	2.19	2.16	2.14	2.12	2.10	2.08	2.09	2.15
sigma	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08

Bias off results									
7 OFF	2.22	2.18	2.13	2.07	2.00	1.86	1.35	1.54	2.12
8 OFF	2.22	2.18	2.13	2.06	1.99	1.85	1.51	1.69	2.13
9 OFF	2.27	2.23	2.16	2.08	2.00	1.87	1.34	1.57	2.20
10 OFF	2.07	2.05	1.99	1.92	1.86	1.73	1.38	1.52	1.99
11 OFF	2.21	2.17	2.11	2.04	1.97	1.83	1.26	1.46	2.12
Statistics bias off									
min result	2.07	2.05	1.99	1.92	1.86	1.73	1.26	1.46	1.99
max result	2.27	2.23	2.16	2.08	2.00	1.87	1.51	1.69	2.20
average	2.20	2.16	2.10	2.03	1.96	1.83	1.37	1.55	2.11
sigma	0.08	0.07	0.06	0.06	0.06	0.06	0.09	0.08	0.07



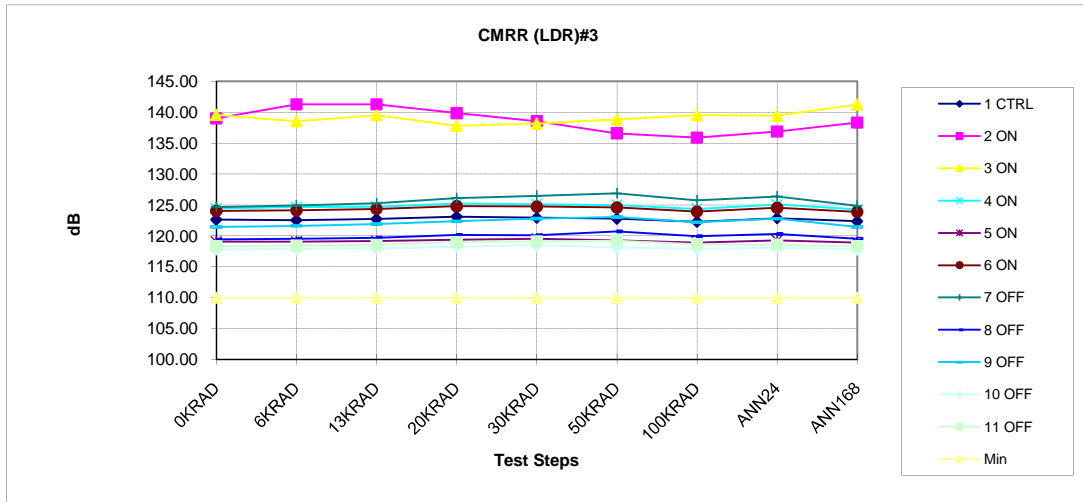
SR- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	2.26	2.22	2.19	2.17	2.16	2.15	2.12	2.14	2.15
ELDR OFF	2.20	2.17	2.10	2.02	1.94	1.84	1.68	1.71	2.12
LDR ON	2.24	2.19	2.16	2.14	2.12	2.10	2.08	2.09	2.15
LDR OFF	2.20	2.16	2.10	2.03	1.96	1.83	1.37	1.55	2.11



CMRR (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	110	110	110	110	110	110	110	110	110
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	124.60	124.20	124.54	124.71	124.87	124.93	123.95	124.56	124.14

Bias on results									
2 ON	124.33	124.01	124.10	124.33	124.53	124.66	123.68	124.31	123.84
3 ON	122.97	122.76	122.79	122.94	123.06	123.18	122.35	122.96	122.45
4 ON	120.66	120.58	120.67	120.77	120.86	120.93	120.23	120.76	120.37
5 ON	122.61	122.48	122.50	122.77	122.93	123.01	122.24	122.81	122.29
6 ON	121.04	120.94	121.07	121.26	121.38	121.41	120.65	121.18	120.80
Statistics bias on									
min result	120.66	120.58	120.67	120.77	120.86	120.93	120.23	120.76	120.37
max result	124.33	124.01	124.10	124.33	124.53	124.66	123.68	124.31	123.84
average	122.32	122.15	122.22	122.41	122.55	122.64	121.83	122.40	121.95
sigma	1.50	1.40	1.39	1.42	1.46	1.49	1.40	1.44	1.40

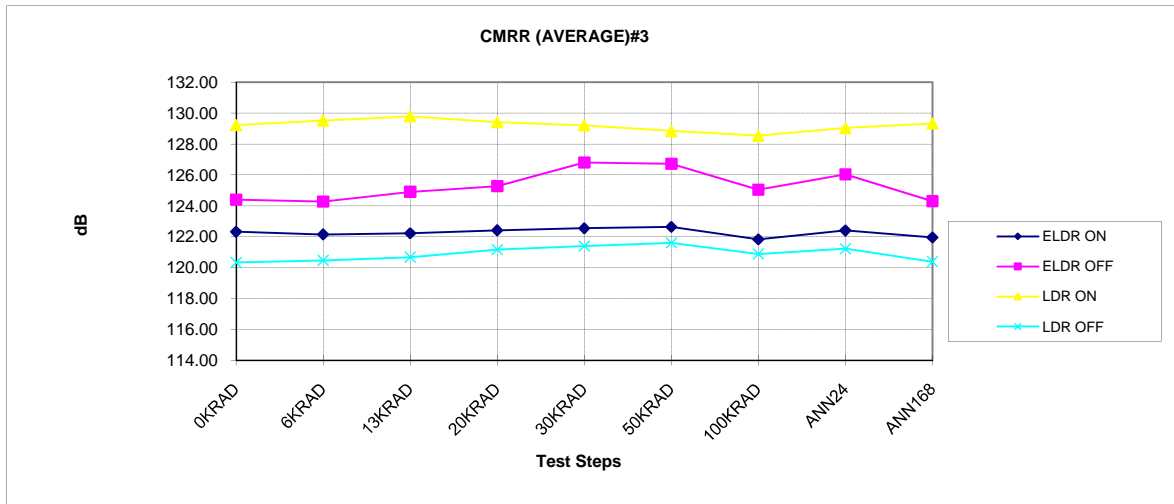
Bias off results									
7 OFF	122.08	121.95	122.29	122.67	123.38	123.36	122.74	123.33	121.94
8 OFF	130.98	131.21	132.39	133.10	135.91	135.94	132.18	134.98	131.33
9 OFF	130.34	129.83	130.87	131.16	134.30	133.58	131.29	131.46	129.83
10 OFF	116.94	116.83	117.05	117.21	117.58	117.90	116.97	117.93	116.80
11 OFF	121.63	121.58	121.94	122.19	122.88	122.83	122.06	122.47	121.60
Statistics bias off									
min result	116.94	116.83	117.05	117.21	117.58	117.90	116.97	117.93	116.80
max result	130.98	131.21	132.39	133.10	135.91	135.94	132.18	134.98	131.33
average	124.40	124.28	124.91	125.26	126.81	126.72	125.05	126.03	124.30
sigma	6.07	6.06	6.50	6.66	7.92	7.69	6.50	6.98	6.11



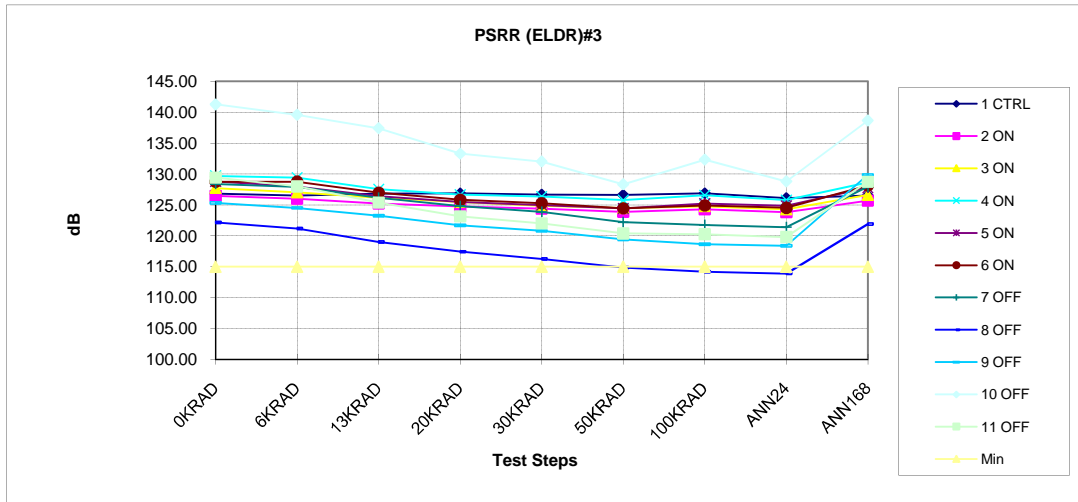
CMRR (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	110	110	110	110	110	110	110	110	110
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	122.63	122.54	122.71	123.09	122.93	122.78	122.29	122.86	122.35

Bias on results									
2 ON	139.00	141.28	141.27	139.86	138.56	136.59	135.90	136.89	138.32
3 ON	139.58	138.56	139.52	137.83	138.16	138.83	139.54	139.45	141.25
4 ON	124.46	124.63	124.71	125.24	125.11	124.99	124.36	125.05	124.30
5 ON	119.04	119.05	119.15	119.39	119.51	119.25	118.93	119.24	118.89
6 ON	124.04	124.12	124.33	124.79	124.74	124.58	123.94	124.53	123.88
Statistics bias on									
min result	119.04	119.05	119.15	119.39	119.51	119.25	118.93	119.24	118.89
max result	139.58	141.28	141.27	139.86	138.56	138.83	139.54	139.45	141.25
average	129.23	129.53	129.80	129.42	129.21	128.85	128.54	129.03	129.33
sigma	9.43	9.78	9.94	8.93	8.64	8.44	8.75	8.69	9.84

Bias off results									
7 OFF	124.66	124.93	125.28	126.11	126.46	126.87	125.75	126.37	124.85
8 OFF	119.40	119.53	119.70	120.14	120.09	120.72	119.93	120.31	119.54
9 OFF	121.44	121.62	121.90	122.35	122.79	123.05	122.20	122.77	121.43
10 OFF	117.83	117.87	117.97	118.22	118.48	118.15	117.91	118.10	117.80
11 OFF	118.34	118.42	118.55	119.00	119.13	119.24	118.65	118.57	118.33
Statistics bias off									
min result	117.83	117.87	117.97	118.22	118.48	118.15	117.91	118.10	117.80
max result	124.66	124.93	125.28	126.11	126.46	126.87	125.75	126.37	124.85
average	120.33	120.47	120.68	121.16	121.39	121.61	120.89	121.22	120.39
sigma	2.79	2.87	2.98	3.17	3.28	3.47	3.17	3.41	2.86



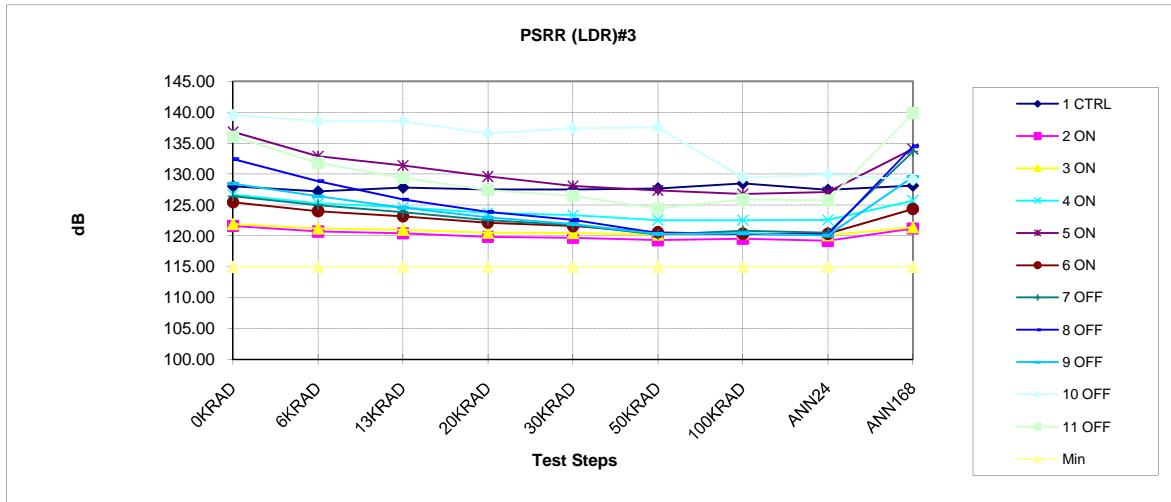
CMRR (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	122.32	122.15	122.22	122.41	122.55	122.64	121.83	122.40	121.95
ELDR OFF	124.40	124.28	124.91	125.26	126.81	126.72	125.05	126.03	124.30
LDR ON	129.23	129.53	129.80	129.42	129.21	128.85	128.54	129.03	129.33
LDR OFF	120.33	120.47	120.68	121.16	121.39	121.61	120.89	121.22	120.39



PSRR (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	126.81	126.53	126.81	126.87	126.67	126.63	126.90	126.10	126.52

Bias on results									
2 ON	126.47	126.01	125.21	124.73	124.40	123.87	124.31	123.82	125.69
3 ON	127.73	127.03	126.14	125.46	124.89	124.50	124.78	124.28	126.62
4 ON	129.70	129.40	127.53	126.66	126.38	125.77	126.58	125.80	128.63
5 ON	128.80	127.96	126.43	125.48	124.95	124.43	125.21	124.85	127.80
6 ON	128.73	128.76	126.98	125.83	125.27	124.45	124.91	124.53	128.14
Statistics bias on									
min result	126.47	126.01	125.21	124.73	124.40	123.87	124.31	123.82	125.69
max result	129.70	129.40	127.53	126.66	126.38	125.77	126.58	125.80	128.63
average	128.29	127.83	126.46	125.63	125.18	124.60	125.16	124.66	127.37
sigma	1.23	1.35	0.88	0.70	0.74	0.70	0.86	0.74	1.20

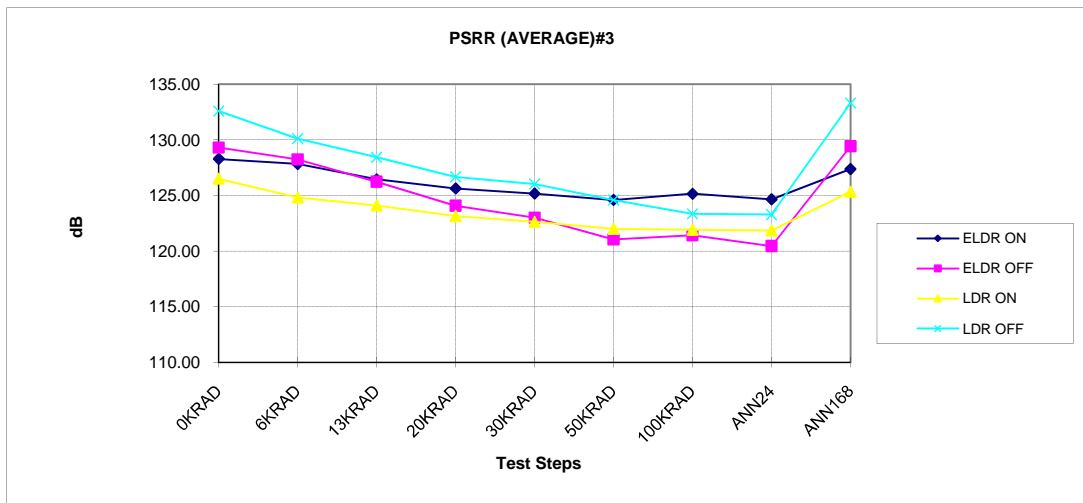
Bias off results									
7 OFF	128.37	127.93	126.15	124.81	123.87	122.21	121.75	121.40	127.95
8 OFF	122.18	121.18	119.00	117.44	116.28	114.87	114.18	113.90	121.90
9 OFF	125.34	124.52	123.24	121.71	120.80	119.40	118.66	118.38	129.87
10 OFF	141.26	139.58	137.41	133.29	132.03	128.33	132.34	128.81	138.66
11 OFF	129.41	128.00	125.40	123.17	122.02	120.39	120.25	119.81	128.76
Statistics bias off									
min result	122.18	121.18	119.00	117.44	116.28	114.87	114.18	113.90	121.90
max result	141.26	139.58	137.41	133.29	132.03	128.33	132.34	128.81	138.66
average	129.31	128.24	126.24	124.08	123.00	121.04	121.44	120.46	129.42
sigma	7.25	6.93	6.84	5.83	5.77	4.89	6.72	5.44	6.02



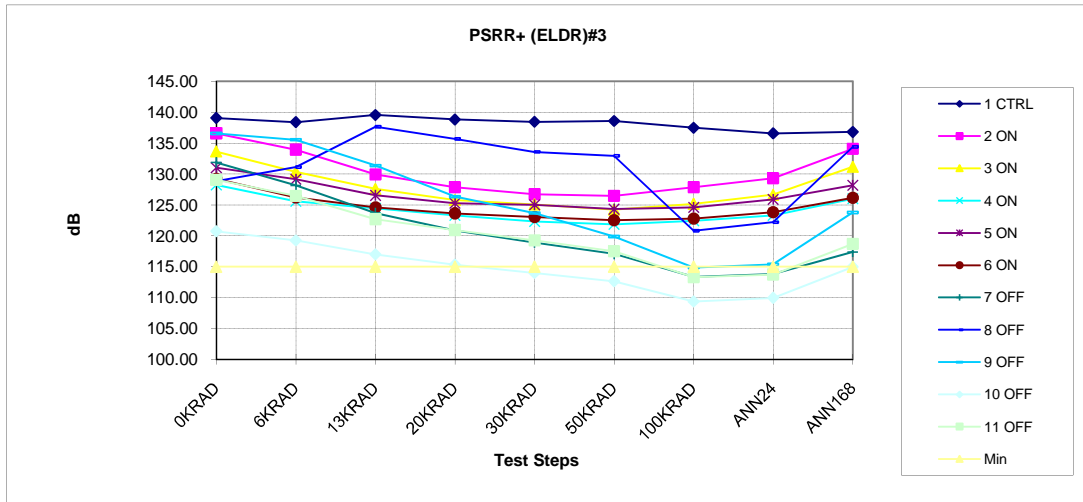
PSRR (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	128.02	127.18	127.80	127.48	127.48	127.68	128.48	127.45	128.12

Bias on results									
2 ON	121.61	120.70	120.41	119.85	119.69	119.30	119.54	119.20	121.17
3 ON	121.93	121.17	120.97	120.50	120.45	120.18	120.42	120.09	121.39
4 ON	126.68	125.27	124.58	123.73	123.35	122.55	122.52	122.60	125.71
5 ON	136.83	132.91	131.37	129.61	128.06	127.36	126.78	127.08	134.06
6 ON	125.45	124.00	123.17	122.14	121.58	120.58	120.33	120.33	124.35
Statistics bias on									
min result	121.61	120.70	120.41	119.85	119.69	119.30	119.54	119.20	121.17
max result	136.83	132.91	131.37	129.61	128.06	127.36	126.78	127.08	134.06
average	126.50	124.81	124.10	123.16	122.63	121.99	121.92	121.86	125.34
sigma	6.18	4.91	4.40	3.91	3.33	3.23	2.93	3.18	5.25

Bias off results									
7 OFF	126.40	124.99	123.81	122.53	121.77	120.21	120.81	120.53	133.63
8 OFF	132.44	128.87	125.87	123.88	122.59	120.44	120.30	120.18	134.49
9 OFF	128.46	126.39	124.55	122.98	121.90	120.30	120.42	120.06	129.54
10 OFF	139.56	138.52	138.56	136.59	137.37	137.56	129.40	129.91	129.05
11 OFF	136.06	131.81	129.38	127.40	126.46	124.41	125.88	125.74	139.86
Statistics bias off									
min result	126.40	124.99	123.81	122.53	121.77	120.21	120.30	120.06	129.05
max result	139.56	138.52	138.56	136.59	137.37	137.56	129.40	129.91	139.86
average	132.58	130.12	128.43	126.68	126.02	124.58	123.36	123.28	133.31
sigma	5.39	5.37	6.05	5.86	6.63	7.47	4.10	4.40	4.38



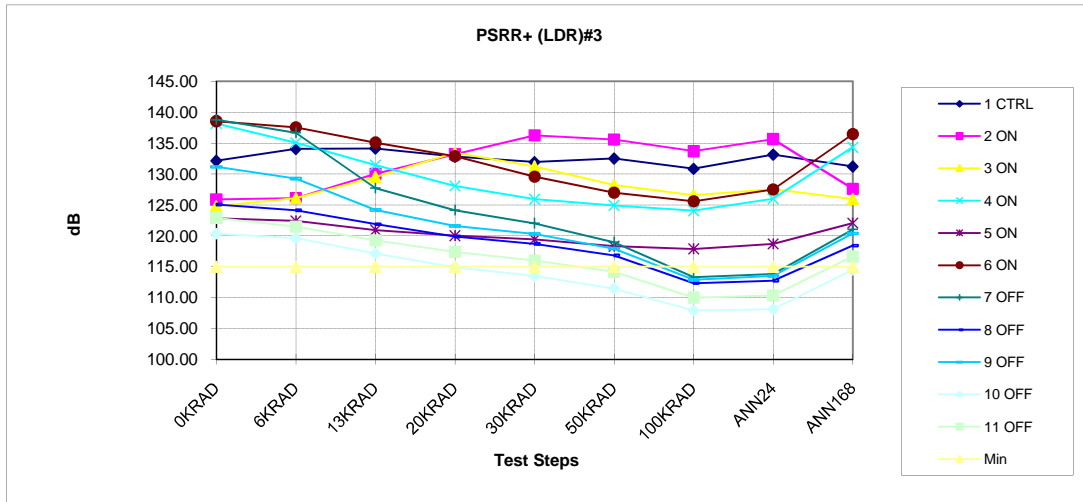
PSRR (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	128.29	127.83	126.46	125.63	125.18	124.60	125.16	124.66	127.37
ELDR OFF	129.31	128.24	126.24	124.08	123.00	121.04	121.44	120.46	129.42
LDR ON	126.50	124.81	124.10	123.16	122.63	121.99	121.92	121.86	125.34
LDR OFF	132.58	130.12	128.43	126.68	126.02	124.58	123.36	123.28	133.31



PSRR+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	139.08	138.40	139.56	138.82	138.44	138.57	137.48	136.56	136.81

Bias on results									
2 ON	136.59	133.95	129.94	127.85	126.71	126.47	127.85	129.33	134.07
3 ON	133.64	130.36	127.59	125.78	125.09	124.26	125.18	126.66	131.16
4 ON	128.22	125.58	124.44	123.33	122.34	121.88	122.44	123.31	126.01
5 ON	131.02	129.17	126.55	125.27	125.02	124.33	124.60	125.90	128.19
6 ON	129.20	126.21	124.62	123.64	123.05	122.54	122.80	123.81	126.17
Statistics bias on									
min result	128.22	125.58	124.44	123.33	122.34	121.88	122.44	123.31	126.01
max result	136.59	133.95	129.94	127.85	126.71	126.47	127.85	129.33	134.07
average	131.73	129.05	126.63	125.17	124.44	123.90	124.57	125.80	129.12
sigma	3.41	3.38	2.28	1.83	1.75	1.79	2.17	2.42	3.46

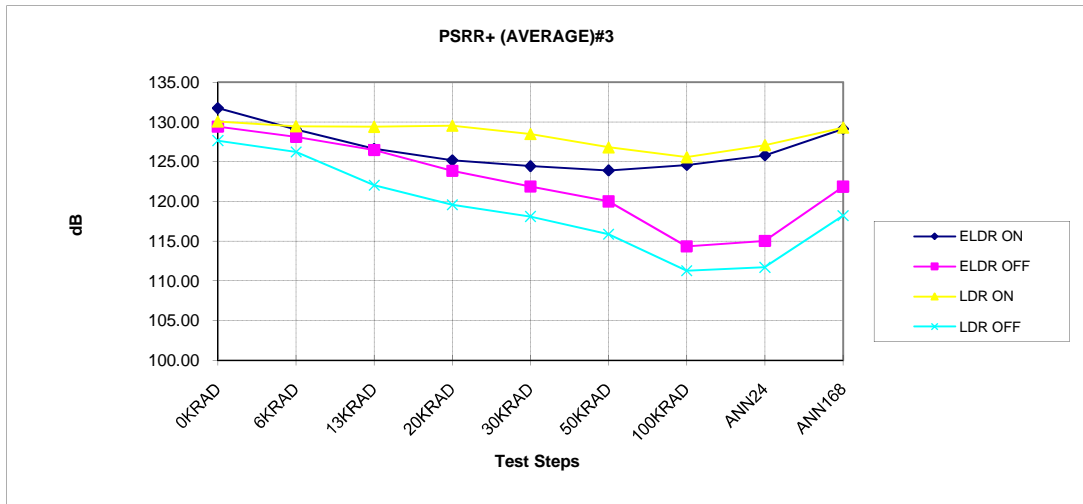
Bias off results									
7 OFF	131.86	128.18	123.67	120.88	118.91	117.08	113.36	113.82	117.39
8 OFF	128.87	131.14	137.64	135.68	133.58	132.93	120.82	122.20	134.40
9 OFF	136.56	135.56	131.37	126.34	123.70	119.89	114.84	115.38	123.78
10 OFF	120.74	119.25	116.99	115.35	113.97	112.64	109.37	109.96	114.98
11 OFF	129.04	126.45	122.71	120.95	119.28	117.49	113.31	113.75	118.71
Statistics bias off									
min result	120.74	119.25	116.99	115.35	113.97	112.64	109.37	109.96	114.98
max result	136.56	135.56	137.64	135.68	133.58	132.93	120.82	122.20	134.40
average	129.41	128.12	126.48	123.84	121.89	120.00	114.34	115.02	121.85
sigma	5.76	6.04	8.07	7.67	7.39	7.68	4.15	4.48	7.72



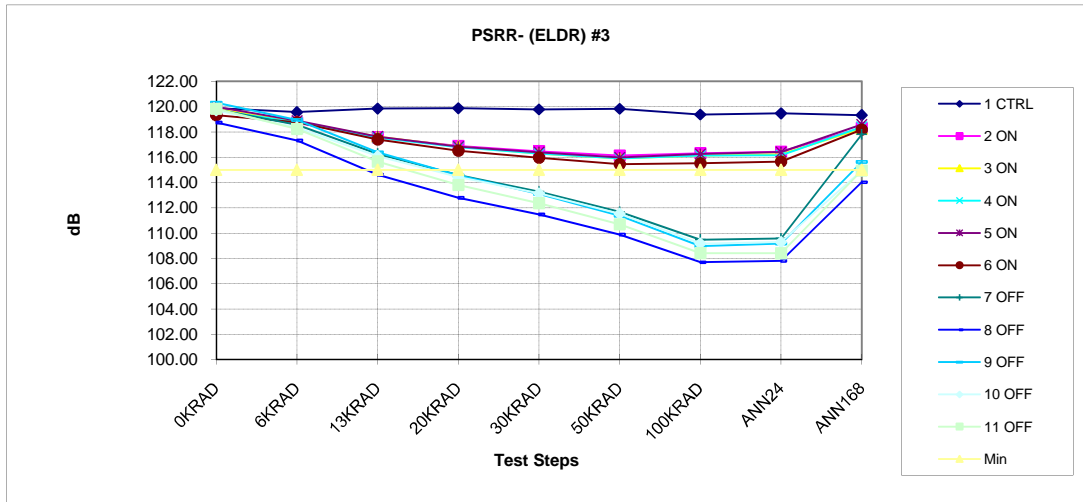
PSRR+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	132.15	134.06	134.13	132.83	131.95	132.51	130.85	133.16	131.22

Bias on results									
2 ON	125.87	126.10	130.03	133.22	136.26	135.59	133.70	135.66	127.62
3 ON	124.80	126.11	129.53	133.46	131.25	128.25	126.57	127.57	125.96
4 ON	138.20	135.05	131.44	128.07	125.93	124.94	124.07	126.02	134.32
5 ON	122.87	122.44	120.95	120.03	119.42	118.32	117.89	118.69	122.07
6 ON	138.56	137.57	135.09	132.90	129.59	126.98	125.59	127.52	136.48
Statistics bias on									
min result	122.87	122.44	120.95	120.03	119.42	118.32	117.89	118.69	122.07
max result	138.56	137.57	135.09	133.46	136.26	135.59	133.70	135.66	136.48
average	130.06	129.45	129.41	129.53	128.49	126.81	125.56	127.09	129.29
sigma	7.67	6.50	5.20	5.76	6.28	6.22	5.66	6.03	5.98

Bias off results									
7 OFF	138.79	136.68	127.72	124.15	122.04	118.98	113.29	113.81	121.04
8 OFF	125.06	124.14	121.89	119.90	118.69	116.83	112.35	112.74	118.42
9 OFF	131.16	129.25	124.18	121.59	120.31	117.94	112.88	113.50	120.39
10 OFF	120.37	119.61	117.16	114.92	113.51	111.46	107.91	108.12	114.50
11 OFF	122.88	121.49	119.26	117.40	115.99	114.17	110.02	110.36	116.66
Statistics bias off									
min result	120.37	119.61	117.16	114.92	113.51	111.46	107.91	108.12	114.50
max result	138.79	136.68	127.72	124.15	122.04	118.98	113.29	113.81	121.04
average	127.65	126.23	122.04	119.59	118.11	115.88	111.29	111.70	118.20
sigma	7.40	6.87	4.14	3.59	3.40	3.05	2.27	2.42	2.69



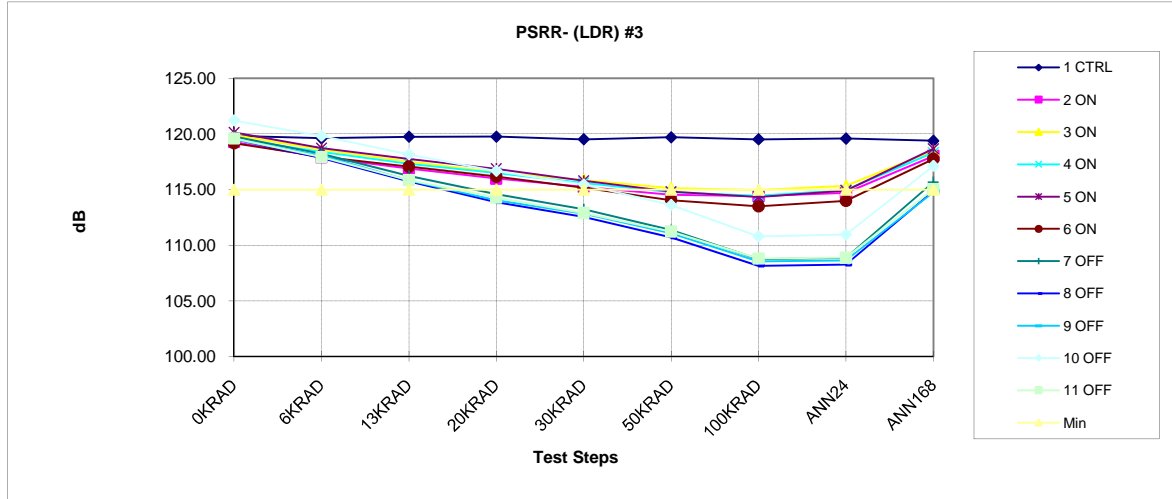
PSRR+ 8(AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	131.73	129.05	126.63	125.17	124.44	123.90	124.57	125.80	129.12
ELDR OFF	129.41	128.12	126.48	123.84	121.89	120.00	114.34	115.02	121.85
LDR ON	130.06	129.45	129.41	129.53	128.49	126.81	125.56	127.09	129.29
LDR OFF	127.65	126.23	122.04	119.59	118.11	115.88	111.29	111.70	118.20



PSRR- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	119.87	119.56	119.86	119.88	119.78	119.84	119.38	119.48	119.33

Bias on results									
2 ON	119.70	118.72	117.57	116.88	116.47	116.13	116.31	116.43	118.30
3 ON	119.79	118.83	117.63	116.85	116.28	115.91	116.12	116.22	118.26
4 ON	119.70	118.76	117.54	116.78	116.28	115.90	116.14	116.16	118.39
5 ON	119.98	118.88	117.64	116.85	116.40	115.97	116.26	116.42	118.59
6 ON	119.33	118.77	117.41	116.52	115.96	115.44	115.51	115.65	118.19
Statistics bias on									
min result	119.33	118.72	117.41	116.52	115.96	115.44	115.51	115.65	118.19
max result	119.98	118.88	117.64	116.88	116.47	116.13	116.31	116.43	118.59
average	119.70	118.79	117.56	116.77	116.28	115.87	116.07	116.18	118.35
sigma	0.24	0.06	0.09	0.15	0.19	0.26	0.32	0.32	0.15

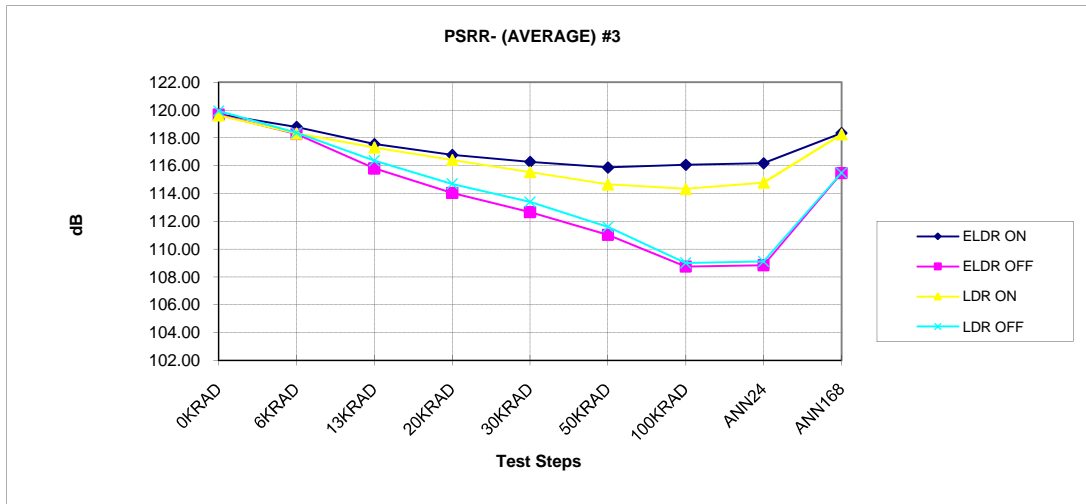
Bias off results									
7 OFF	119.78	118.56	116.27	114.59	113.27	111.67	109.48	109.58	117.81
8 OFF	118.74	117.32	114.60	112.79	111.47	109.88	107.69	107.80	114.02
9 OFF	120.30	118.94	116.39	114.56	113.09	111.36	108.95	109.16	115.63
10 OFF	119.71	118.34	116.08	114.42	113.13	111.53	109.18	109.29	114.94
11 OFF	119.82	118.23	115.66	113.80	112.36	110.69	108.41	108.40	114.95
Statistics bias off									
min result	118.74	117.32	114.60	112.79	111.47	109.88	107.69	107.80	114.02
max result	120.30	118.94	116.39	114.59	113.27	111.67	109.48	109.58	117.81
average	119.67	118.28	115.80	114.03	112.66	111.02	108.74	108.84	115.47
sigma	0.57	0.60	0.72	0.76	0.75	0.74	0.71	0.73	1.43



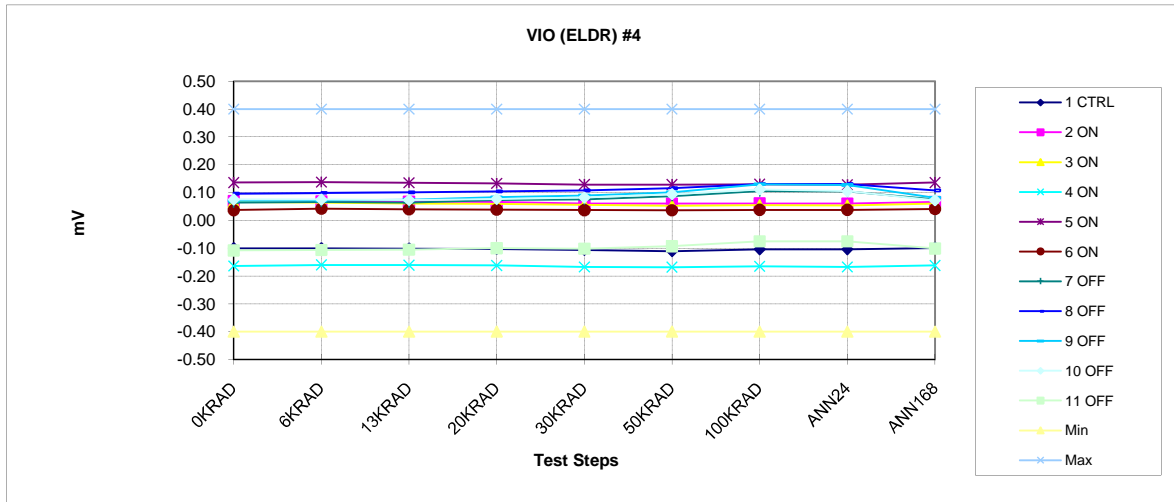
PSRR- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	119.82	119.62	119.75	119.76	119.52	119.70	119.52	119.59	119.38

Bias on results									
2 ON	119.29	117.90	116.90	115.99	115.26	114.52	114.41	114.71	118.02
3 ON	119.90	118.59	117.54	116.56	115.86	115.14	114.96	115.34	118.50
4 ON	119.58	118.40	117.32	116.49	115.60	114.76	114.44	114.96	118.33
5 ON	120.14	118.74	117.75	116.87	115.81	114.82	114.34	114.92	118.67
6 ON	119.16	117.96	117.05	116.16	115.18	114.06	113.50	113.98	117.77
Statistics bias on									
min result	119.16	117.90	116.90	115.99	115.18	114.06	113.50	113.98	117.77
max result	120.14	118.74	117.75	116.87	115.86	115.14	114.96	115.34	118.67
average	119.62	118.32	117.31	116.41	115.54	114.66	114.33	114.78	118.26
sigma	0.41	0.37	0.35	0.35	0.31	0.40	0.52	0.50	0.36

Bias off results									
7 OFF	119.78	118.23	116.23	114.60	113.22	111.37	108.75	108.87	115.67
8 OFF	119.54	117.84	115.73	113.87	112.55	110.71	108.16	108.25	114.88
9 OFF	119.51	118.06	115.82	114.05	112.83	111.07	108.53	108.64	114.77
10 OFF	121.22	119.81	118.16	116.67	115.46	113.62	110.79	110.95	117.12
11 OFF	119.59	117.93	115.85	114.28	112.90	111.24	108.81	108.88	115.05
Statistics bias off									
min result	119.51	117.84	115.73	113.87	112.55	110.71	108.16	108.25	114.77
max result	121.22	119.81	118.16	116.67	115.46	113.62	110.79	110.95	117.12
average	119.93	118.37	116.36	114.69	113.39	111.60	109.01	109.12	115.50
sigma	0.73	0.82	1.02	1.14	1.18	1.15	1.03	1.06	0.97



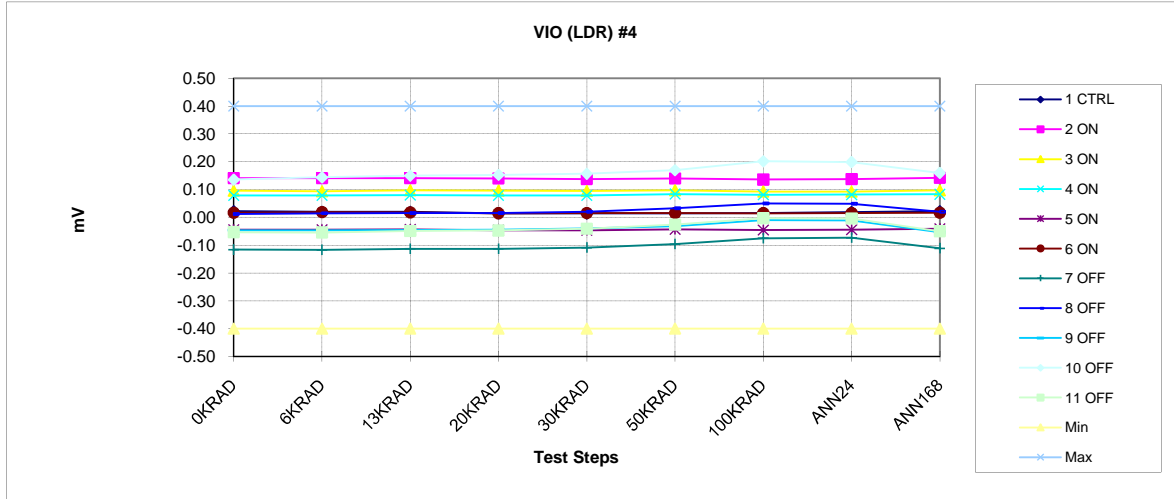
PSRR- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	119.70	118.79	117.56	116.77	116.28	115.87	116.07	116.18	118.35
ELDR OFF	119.67	118.28	115.80	114.03	112.66	111.02	108.74	108.84	115.47
LDR ON	119.62	118.32	117.31	116.41	115.54	114.66	114.33	114.78	118.26
LDR OFF	119.93	118.37	116.36	114.69	113.39	111.60	109.01	109.12	115.50



VIO (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 CTRL	-0.10	-0.10	-0.10	-0.10	-0.11	-0.11	-0.10	-0.10	-0.10

Bias on results									
2 ON	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.07
3 ON	0.07	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.06
4 ON	-0.16	-0.16	-0.16	-0.16	-0.17	-0.17	-0.17	-0.17	-0.16
5 ON	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.14
6 ON	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Statistics bias on									
min result	-0.16	-0.16	-0.16	-0.16	-0.17	-0.17	-0.17	-0.17	-0.16
max result	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.14
average	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.03
sigma	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

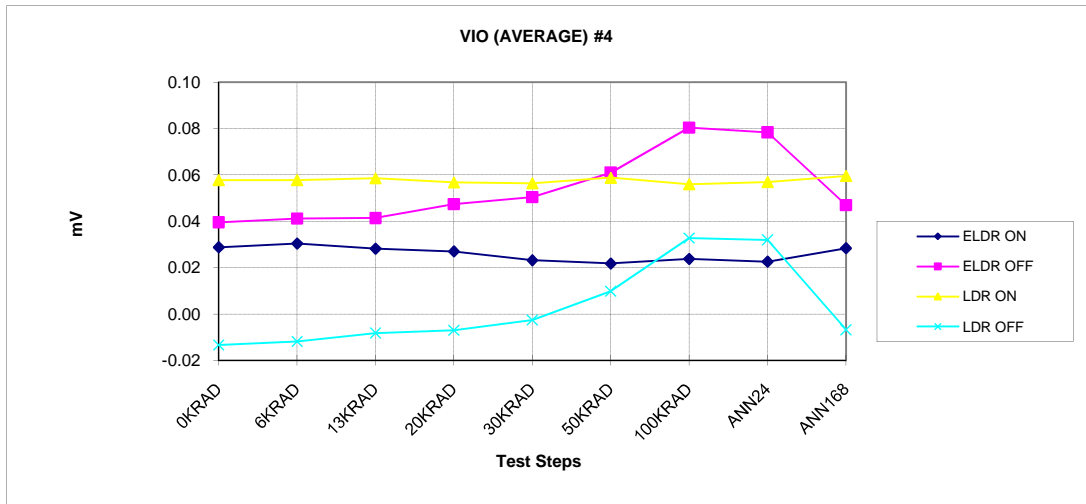
Bias off results									
7 OFF	0.06	0.07	0.06	0.07	0.08	0.09	0.11	0.10	0.08
8 OFF	0.10	0.10	0.10	0.10	0.11	0.12	0.13	0.13	0.11
9 OFF	0.07	0.07	0.07	0.08	0.09	0.10	0.13	0.13	0.08
10 OFF	0.08	0.08	0.07	0.08	0.08	0.09	0.11	0.11	0.07
11 OFF	-0.11	-0.11	-0.11	-0.10	-0.10	-0.09	-0.08	-0.08	-0.10
Statistics bias off									
min result	-0.11	-0.11	-0.11	-0.10	-0.10	-0.09	-0.08	-0.08	-0.10
max result	0.10	0.10	0.10	0.10	0.11	0.12	0.13	0.13	0.11
average	0.04	0.04	0.04	0.05	0.05	0.06	0.08	0.08	0.05
sigma	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.08



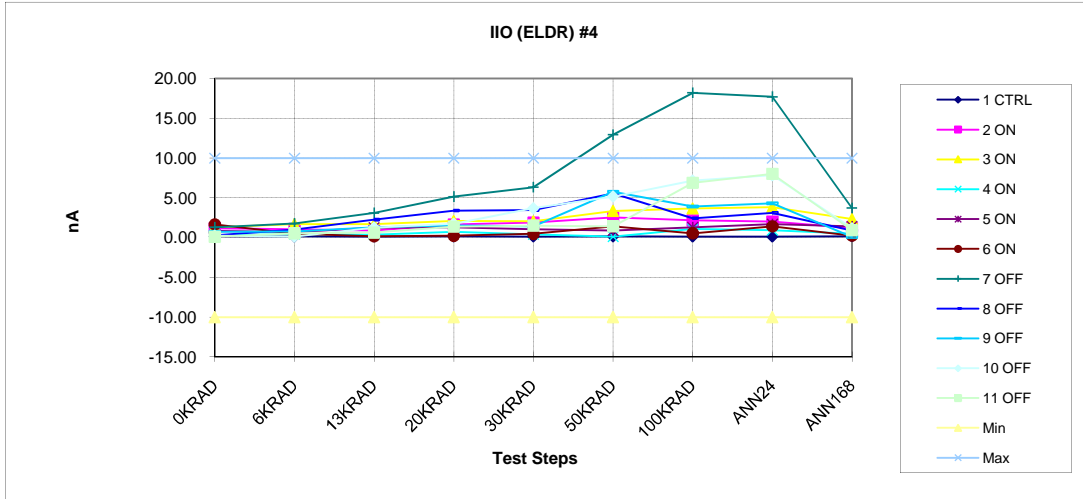
VIO (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Max	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 CTRL	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02

Bias on results									
2 ON	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
3 ON	0.10	0.09	0.10	0.10	0.10	0.10	0.09	0.09	0.10
4 ON	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
5 ON	-0.04	-0.04	-0.04	-0.05	-0.05	-0.04	-0.05	-0.04	-0.04
6 ON	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Statistics bias on									
min result	-0.04	-0.04	-0.04	-0.05	-0.05	-0.04	-0.05	-0.04	-0.04
max result	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
average	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
sigma	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07

Bias off results									
7 OFF	-0.12	-0.12	-0.11	-0.11	-0.11	-0.10	-0.08	-0.07	-0.11
8 OFF	0.01	0.02	0.02	0.02	0.02	0.03	0.05	0.05	0.02
9 OFF	-0.05	-0.05	-0.05	-0.04	-0.04	-0.03	-0.01	-0.01	-0.05
10 OFF	0.14	0.14	0.15	0.15	0.16	0.17	0.20	0.20	0.16
11 OFF	-0.05	-0.05	-0.05	-0.05	-0.04	-0.03	0.00	0.00	-0.05
Statistics bias off									
min result	-0.12	-0.12	-0.11	-0.11	-0.11	-0.10	-0.08	-0.07	-0.11
max result	0.14	0.14	0.15	0.15	0.16	0.17	0.20	0.20	0.16
average	-0.01	-0.01	-0.01	-0.01	0.00	0.01	0.03	0.03	-0.01
sigma	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10



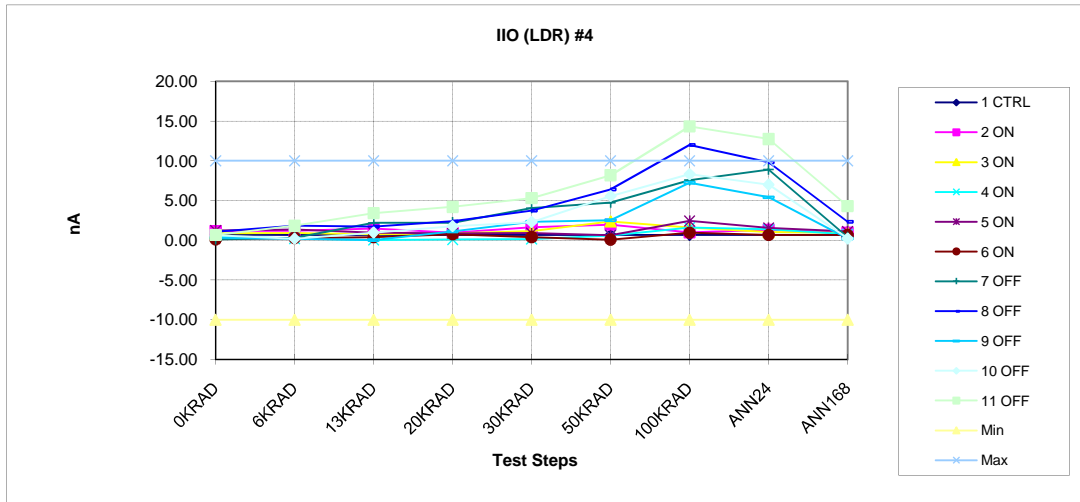
VIO (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.03
ELDR OFF	0.04	0.04	0.04	0.05	0.05	0.06	0.08	0.08	0.05
LDR ON	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
LDR OFF	-0.01	-0.01	-0.01	-0.01	0.00	0.01	0.03	0.03	-0.01



IIO (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	10	10	10	10	10	10	10	10	10
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	0.15	0.16	0.14	0.16	0.14	0.15	0.15	0.13	0.16

Bias on results									
2 ON	1.17	1.07	0.87	1.66	1.89	2.53	2.16	2.02	1.22
3 ON	1.31	1.70	1.68	2.08	2.06	3.35	3.67	3.83	2.35
4 ON	0.29	0.47	0.37	0.74	0.41	0.12	1.10	0.92	0.50
5 ON	0.86	0.68	1.25	1.28	1.06	0.90	1.28	1.70	1.41
6 ON	1.65	0.47	0.17	0.23	0.47	1.42	0.55	1.42	0.25
Statistics bias on									
min result	0.29	0.47	0.17	0.23	0.41	0.12	0.55	0.92	0.25
max result	1.65	1.70	1.68	2.08	2.06	3.35	3.67	3.83	2.35
average	1.05	0.88	0.87	1.20	1.18	1.67	1.75	1.98	1.14
sigma	0.51	0.52	0.62	0.73	0.77	1.29	1.22	1.11	0.83

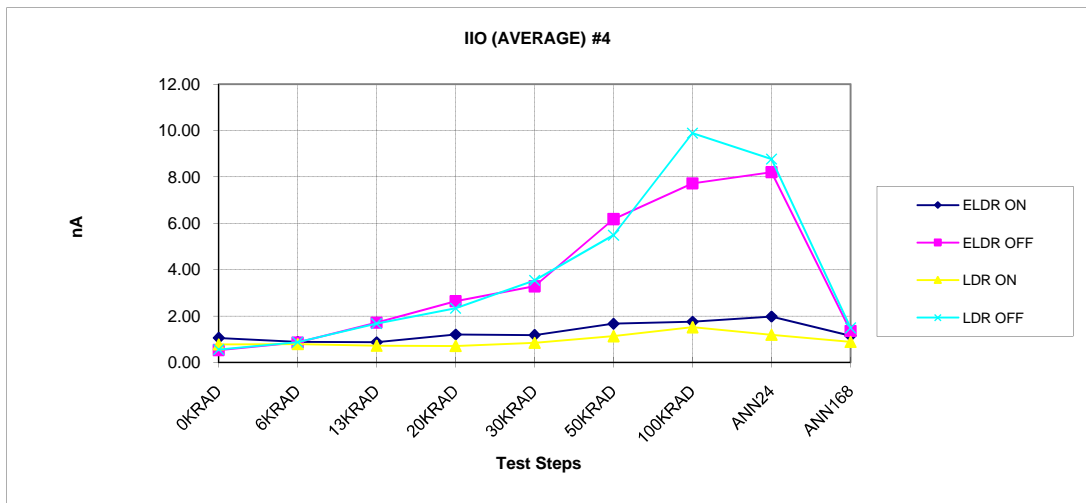
Bias off results									
7 OFF	1.30	1.77	3.10	5.14	6.33	12.94	18.21	17.71	3.71
8 OFF	0.27	1.02	2.25	3.41	3.47	5.57	2.44	3.12	0.90
9 OFF	0.74	0.78	1.31	1.53	1.40	5.78	3.91	4.32	0.08
10 OFF	0.24	0.14	1.25	1.75	3.70	5.17	7.16	7.84	1.16
11 OFF	0.11	0.55	0.64	1.38	1.51	1.43	6.88	8.03	0.94
Statistics bias off									
min result	0.11	0.14	0.64	1.38	1.40	1.43	2.44	3.12	0.08
max result	1.30	1.77	3.10	5.14	6.33	12.94	18.21	17.71	3.71
average	0.53	0.85	1.71	2.64	3.28	6.18	7.72	8.20	1.36
sigma	0.49	0.61	0.97	1.62	2.01	4.18	6.19	5.73	1.38



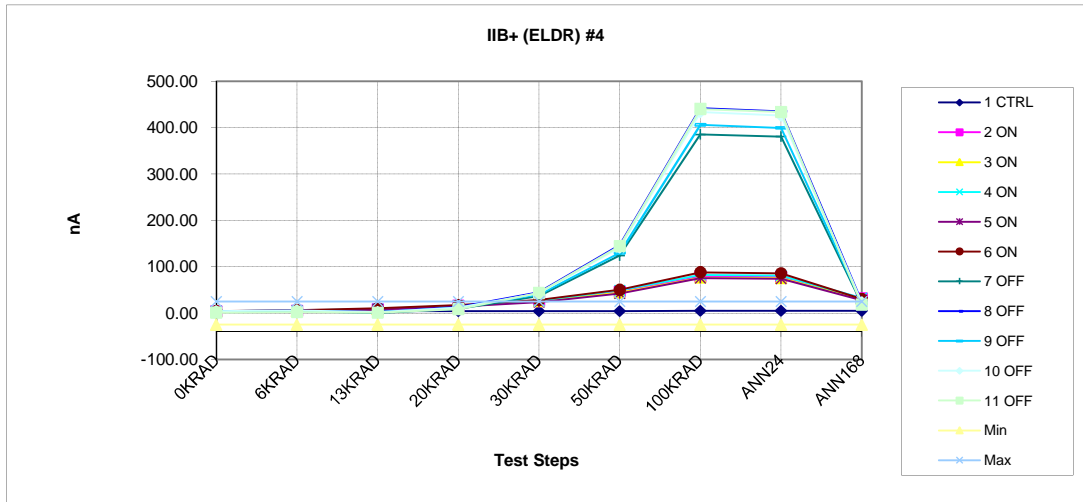
IIO (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	10	10	10	10	10	10	10	10	10
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	0.69	0.69	0.69	0.68	0.68	0.68	0.68	0.68	0.67

Bias on results									
2 ON	1.14	1.19	1.47	0.94	1.64	1.96	1.01	1.31	0.93
3 ON	0.88	0.89	0.76	0.87	1.14	2.37	1.58	1.03	0.95
4 ON	0.49	0.21	0.02	0.09	0.14	0.61	1.60	1.40	0.76
5 ON	1.23	1.37	0.94	0.88	0.90	0.62	2.43	1.56	1.12
6 ON	0.13	0.29	0.40	0.77	0.41	0.09	0.95	0.66	0.65
Statistics bias on									
min result	0.13	0.21	0.02	0.09	0.14	0.09	0.95	0.66	0.65
max result	1.23	1.37	1.47	0.94	1.64	2.37	2.43	1.56	1.12
average	0.77	0.79	0.72	0.71	0.85	1.13	1.51	1.19	0.88
sigma	0.46	0.52	0.55	0.35	0.59	0.98	0.60	0.35	0.18

Bias off results									
7 OFF	0.10	0.31	2.20	2.22	4.05	4.74	7.57	8.90	0.38
8 OFF	1.06	1.84	1.72	2.39	3.73	6.40	11.99	9.82	2.32
9 OFF	0.31	0.20	0.03	1.12	2.34	2.53	7.25	5.41	0.21
10 OFF	0.63	0.19	0.97	1.76	2.28	5.56	8.31	7.00	0.21
11 OFF	0.67	1.82	3.42	4.20	5.30	8.18	14.34	12.74	4.30
Statistics bias off									
min result	0.10	0.19	0.03	1.12	2.28	2.53	7.25	5.41	0.21
max result	1.06	1.84	3.42	4.20	5.30	8.18	14.34	12.74	4.30
average	0.55	0.87	1.67	2.34	3.54	5.48	9.89	8.77	1.49
sigma	0.37	0.88	1.28	1.15	1.27	2.09	3.12	2.80	1.81



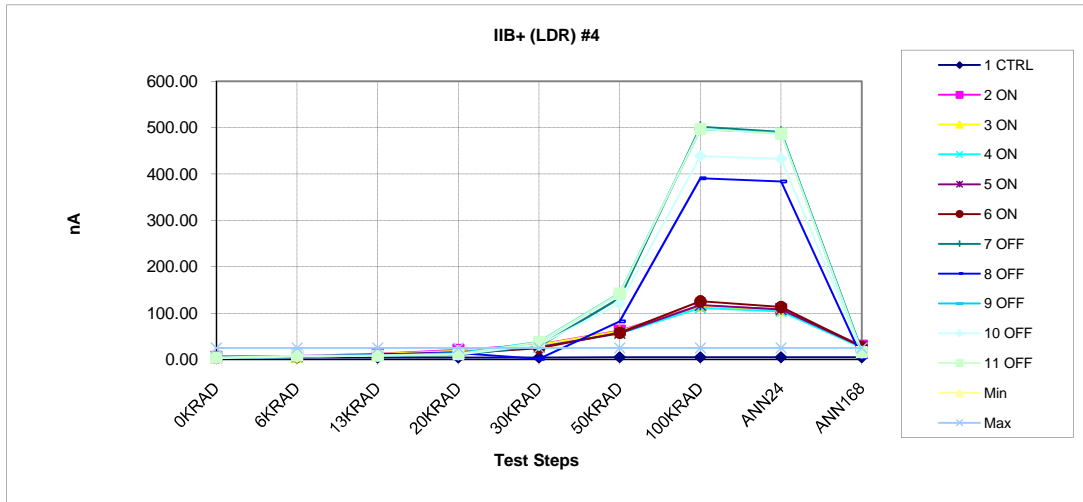
IIO (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.05	0.88	0.87	1.20	1.18	1.67	1.75	1.98	1.14
ELDR OFF	0.53	0.85	1.71	2.64	3.28	6.18	7.72	8.20	1.36
LDR ON	0.77	0.79	0.72	0.71	0.85	1.13	1.51	1.19	0.88
LDR OFF	0.55	0.87	1.67	2.34	3.54	5.48	9.89	8.77	1.49



IIB+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	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	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	4.25	4.23	4.25	4.30	4.26	4.22	4.95	5.04	5.00

Bias on results									
2 ON	3.83	4.88	8.49	15.66	25.51	46.33	78.89	77.75	31.82
3 ON	4.48	4.73	8.50	14.48	25.54	44.46	76.46	75.28	30.57
4 ON	4.42	5.41	9.16	16.02	27.09	48.96	82.13	80.79	32.70
5 ON	3.90	4.94	7.48	13.74	23.42	42.60	75.69	74.09	27.60
6 ON	4.36	6.26	10.40	17.28	28.31	50.26	88.12	85.63	30.25
Statistics bias on									
min result	3.83	4.73	7.48	13.74	23.42	42.60	75.69	74.09	27.60
max result	4.48	6.26	10.40	17.28	28.31	50.26	88.12	85.63	32.70
average	4.20	5.24	8.81	15.44	25.97	46.52	80.26	78.71	30.59
sigma	0.31	0.62	1.08	1.38	1.85	3.15	5.06	4.64	1.94

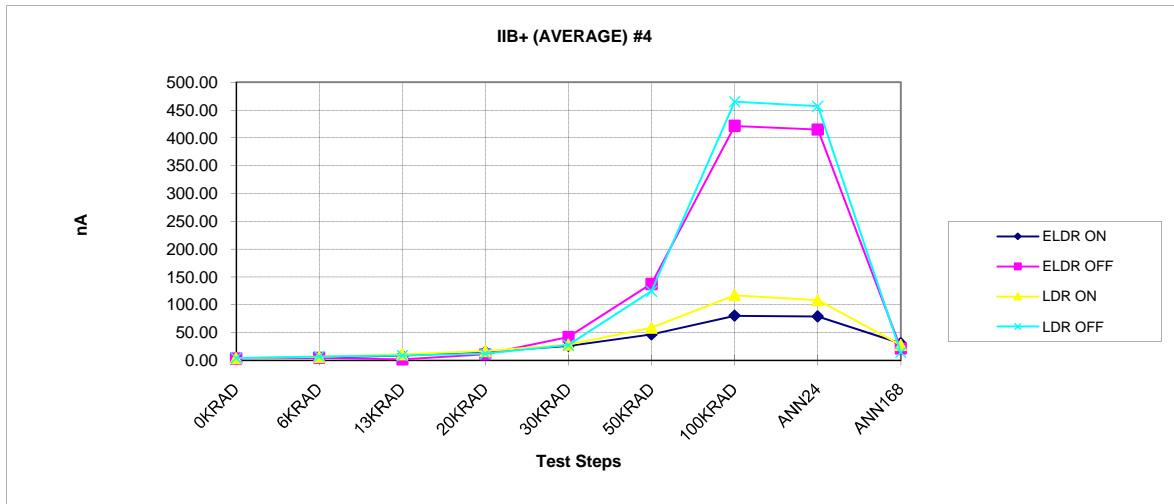
Bias off results									
7 OFF	3.13	4.62	0.02	9.10	36.90	124.21	385.43	380.88	19.52
8 OFF	4.45	5.72	2.55	13.10	45.37	146.61	441.78	435.26	24.46
9 OFF	3.35	5.28	2.56	11.70	40.31	129.76	406.23	399.57	21.81
10 OFF	4.27	5.74	2.35	11.70	43.32	141.64	433.76	425.93	23.01
11 OFF	1.15	2.53	1.02	8.62	43.41	144.57	440.37	433.61	18.36
Statistics bias off									
min result	1.15	2.53	0.02	8.62	36.90	124.21	385.43	380.88	18.36
max result	4.45	5.74	2.56	13.10	45.37	146.61	441.78	435.26	24.46
average	3.27	4.78	1.70	10.84	41.86	137.36	421.52	415.05	21.43
sigma	1.31	1.34	1.14	1.91	3.31	9.83	24.76	23.86	2.50



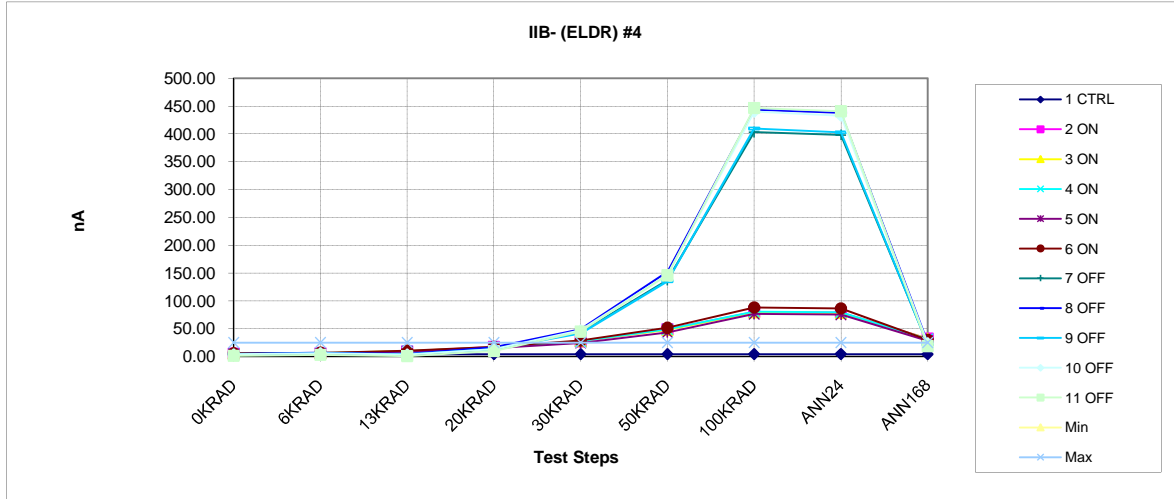
IIB+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-25	-25	-25	-25	-25	-25	-25	-25	-25
Max	25	25	25	25	25	25	25	25	25
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	4.13	3.94	4.07	4.04	4.02	4.83	4.72	4.79	4.71

Bias on results									
2 ON	5.46	7.97	12.80	20.42	32.78	62.19	115.92	108.29	29.44
3 ON	3.88	6.05	11.67	18.82	31.52	60.84	115.69	106.62	28.23
4 ON	3.36	5.18	9.25	15.51	26.70	56.05	111.09	103.39	25.66
5 ON	4.15	6.25	10.13	15.57	26.70	56.61	117.13	108.00	27.49
6 ON	3.92	6.36	10.08	13.20	24.54	57.75	125.40	113.37	27.77
Statistics bias on									
min result	3.36	5.18	9.25	13.20	24.54	56.05	111.09	103.39	25.66
max result	5.46	7.97	12.80	20.42	32.78	62.19	125.40	113.37	29.44
average	4.15	6.36	10.79	16.70	28.45	58.69	117.05	107.93	27.72
sigma	0.79	1.01	1.43	2.88	3.52	2.69	5.21	3.61	1.37

Bias off results									
7 OFF	3.72	7.49	7.43	9.27	29.02	132.58	501.81	490.83	19.20
8 OFF	6.54	6.40	10.80	13.78	1.40	82.27	390.70	384.16	4.65
9 OFF	4.07	7.89	9.14	14.05	38.04	142.93	496.67	488.86	17.41
10 OFF	2.95	5.97	8.13	10.71	31.73	120.84	438.84	432.88	15.05
11 OFF	4.34	8.26	8.09	11.74	36.98	142.03	497.19	486.66	15.94
Statistics bias off									
min result	2.95	5.97	7.43	9.27	1.40	82.27	390.70	384.16	4.65
max result	6.54	8.26	10.80	14.05	38.04	142.93	501.81	490.83	19.20
average	4.33	7.20	8.72	11.91	27.43	124.13	465.04	456.68	14.45
sigma	1.34	0.98	1.32	2.03	15.02	25.04	48.99	47.24	5.70



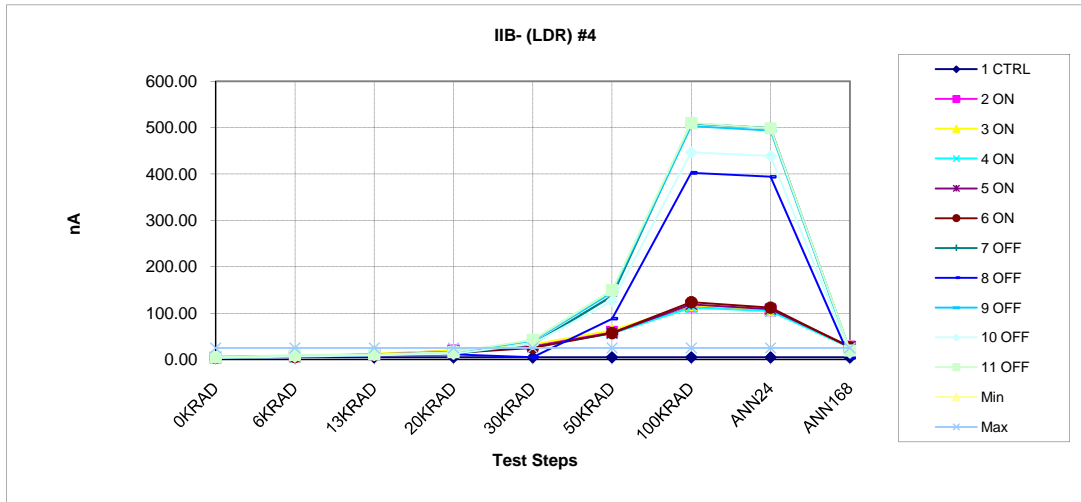
IIB+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	4.20	5.24	8.81	15.44	25.97	46.52	80.26	78.71	30.59
ELDR OFF	3.27	4.78	1.70	10.84	41.86	137.36	421.52	415.05	21.43
LDR ON	4.15	6.36	10.79	16.70	28.45	58.69	117.05	107.93	27.72
LDR OFF	4.33	7.20	8.72	11.91	27.43	124.13	465.04	456.68	14.45



IIB- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	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	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	4.03	3.98	4.03	4.07	4.04	3.99	4.22	4.30	3.91

Bias on results									
2 ON	4.91	5.89	9.28	17.22	27.31	48.70	80.28	78.94	32.25
3 ON	5.71	6.33	10.06	16.45	27.47	47.70	79.47	78.34	32.03
4 ON	4.62	5.79	9.43	16.68	27.39	48.68	80.38	79.20	31.33
5 ON	4.68	5.54	8.69	14.92	24.35	43.36	76.35	75.17	28.24
6 ON	5.93	6.63	10.48	17.40	28.70	51.60	87.99	86.34	29.86
Statistics bias on									
min result	4.62	5.54	8.69	14.92	24.35	43.36	76.35	75.17	28.24
max result	5.93	6.63	10.48	17.40	28.70	51.60	87.99	86.34	32.25
average	5.17	6.03	9.59	16.53	27.04	48.01	80.89	79.60	30.74
sigma	0.61	0.44	0.70	0.98	1.61	2.98	4.29	4.10	1.68

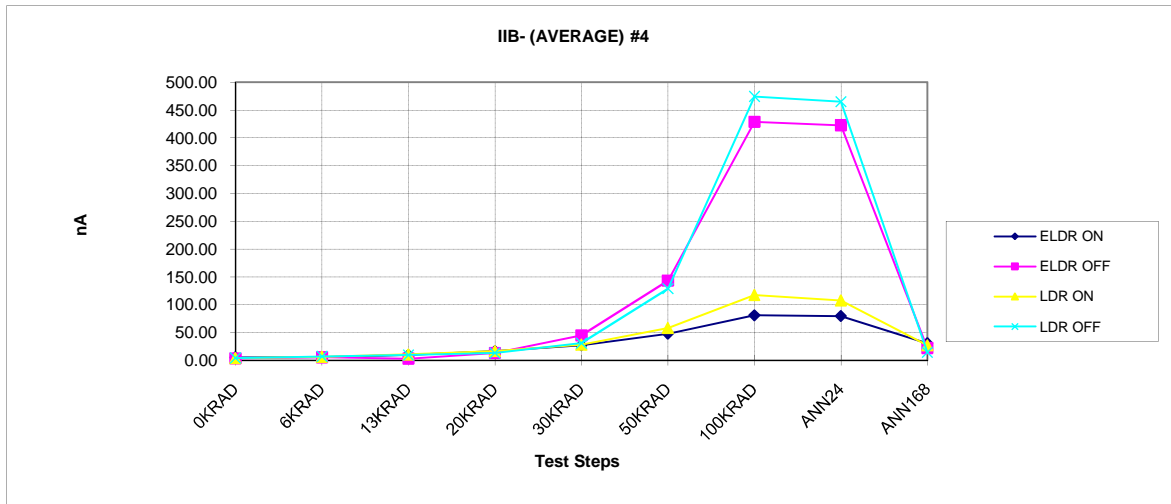
Bias off results									
7 OFF	4.36	6.28	3.10	14.08	43.22	137.00	403.18	398.23	22.54
8 OFF	4.64	6.69	4.76	16.48	48.74	151.99	443.80	437.96	24.60
9 OFF	4.00	5.95	3.83	13.06	41.51	135.31	409.75	403.12	21.36
10 OFF	3.97	5.83	3.54	13.31	47.02	146.68	440.43	433.03	23.65
11 OFF	1.18	3.03	0.43	9.92	44.71	145.94	446.72	440.89	18.67
Statistics bias off									
min result	1.18	3.03	0.43	9.92	41.51	135.31	403.18	398.23	18.67
max result	4.64	6.69	4.76	16.48	48.74	151.99	446.72	440.89	24.60
average	3.63	5.56	3.13	13.37	45.04	143.38	428.78	422.65	22.16
sigma	1.40	1.45	1.63	2.35	2.89	7.02	20.62	20.33	2.30



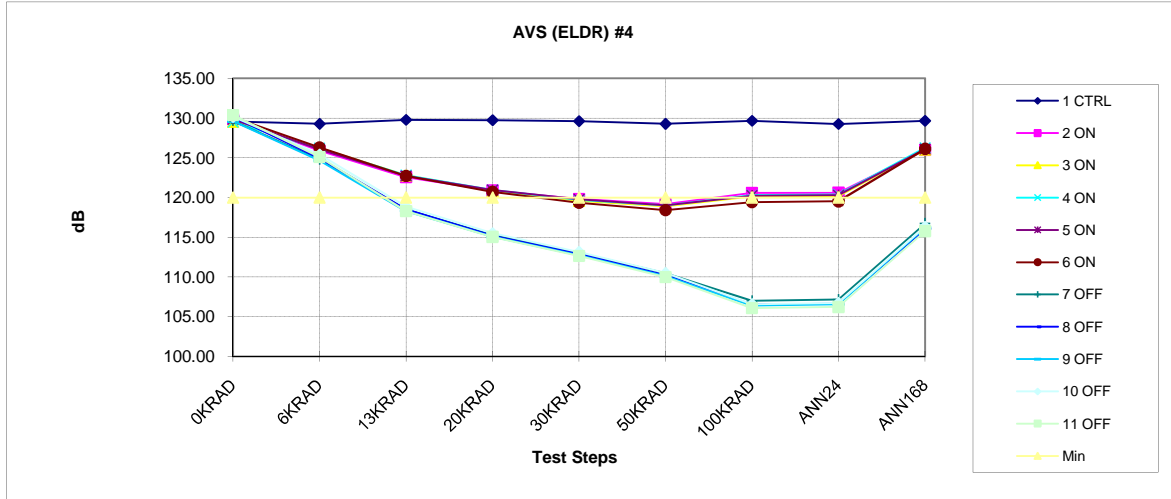
IIB- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-25	-25	-25	-25	-25	-25	-25	-25	-25
Max	25	25	25	25	25	25	25	25	25
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 CTRL	4.73	4.56	4.68	4.63	4.63	4.98	4.92	4.76	4.53

Bias on results									
2 ON	4.21	6.68	11.22	19.33	31.06	59.48	114.48	106.30	27.61
3 ON	4.68	6.88	12.35	19.55	32.55	62.64	116.55	106.74	28.43
4 ON	3.74	5.32	9.18	15.49	26.43	56.12	112.16	104.02	25.60
5 ON	5.29	7.50	10.98	16.36	27.46	56.49	118.95	108.77	27.78
6 ON	3.72	6.01	9.65	13.96	24.92	57.09	123.71	112.00	26.48
Statistics bias on									
min result	3.72	5.32	9.18	13.96	24.92	56.12	112.16	104.02	25.60
max result	5.29	7.50	12.35	19.55	32.55	62.64	123.71	112.00	28.43
average	4.33	6.48	10.67	16.93	28.48	58.36	117.17	107.57	27.18
sigma	0.67	0.84	1.27	2.44	3.21	2.72	4.43	3.00	1.13

Bias off results									
7 OFF	3.72	7.58	9.42	11.41	32.99	136.94	508.67	499.08	18.21
8 OFF	5.53	4.65	9.14	11.39	5.02	88.06	402.77	394.09	3.15
9 OFF	3.68	7.63	9.13	15.15	40.17	144.92	503.27	493.47	17.13
10 OFF	3.51	6.09	9.00	12.28	33.70	125.96	446.99	439.21	14.67
11 OFF	4.93	10.01	11.34	15.93	42.24	149.50	510.53	498.45	19.49
Statistics bias off									
min result	3.51	4.65	9.00	11.39	5.02	88.06	402.77	394.09	3.15
max result	5.53	10.01	11.34	15.93	42.24	149.50	510.53	499.08	19.49
average	4.27	7.19	9.60	13.23	30.82	129.07	474.44	464.86	14.53
sigma	0.90	2.00	0.98	2.15	14.97	24.61	47.95	46.86	6.60



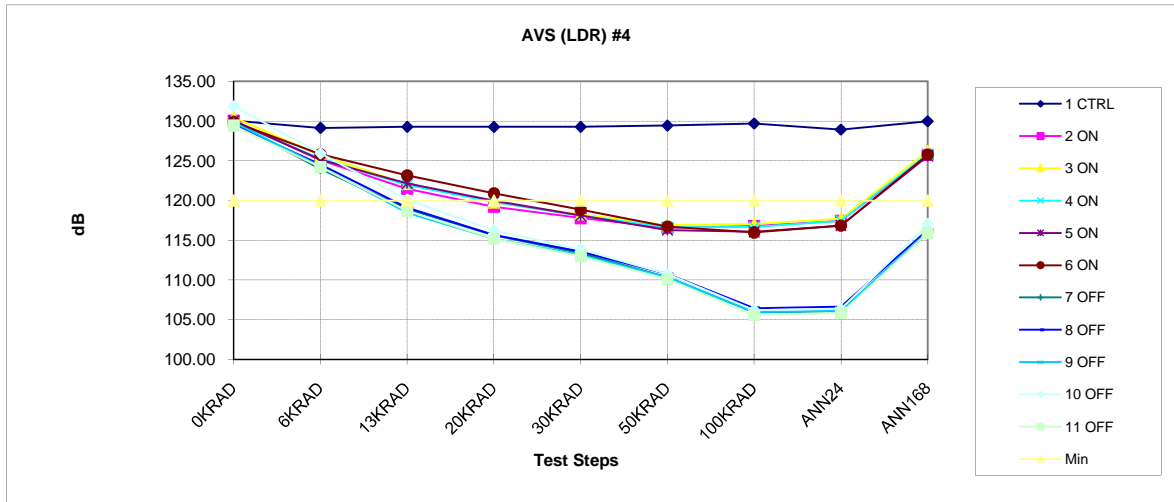
IIB- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	5.17	6.03	9.59	16.53	27.04	48.01	80.89	79.60	30.74
ELDR OFF	3.63	5.56	3.13	13.37	45.04	143.38	428.78	422.65	22.16
LDR ON	4.33	6.48	10.67	16.93	28.48	58.36	117.17	107.57	27.18
LDR OFF	4.27	7.19	9.60	13.23	30.82	129.07	474.44	464.86	14.53



AVS (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	120	120	120	120	120	120	120	120	120
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	129.59	129.27	129.78	129.75	129.62	129.27	129.66	129.25	129.66

Bias on results									
2 ON	129.84	125.90	122.55	120.89	119.81	119.19	120.57	120.60	125.98
3 ON	129.54	126.21	122.78	120.86	119.59	118.88	120.16	120.17	126.04
4 ON	129.51	126.20	122.82	120.95	119.71	119.02	120.29	120.39	126.26
5 ON	129.86	126.05	122.72	120.96	119.77	119.03	120.24	120.29	126.11
6 ON	130.08	126.30	122.72	120.70	119.33	118.42	119.43	119.52	126.12
Statistics bias on									
min result	129.51	125.90	122.55	120.70	119.33	118.42	119.43	119.52	125.98
max result	130.08	126.30	122.82	120.96	119.81	119.19	120.57	120.60	126.26
average	129.76	126.13	122.72	120.87	119.64	118.91	120.14	120.20	126.10
sigma	0.24	0.16	0.10	0.11	0.19	0.29	0.42	0.41	0.11

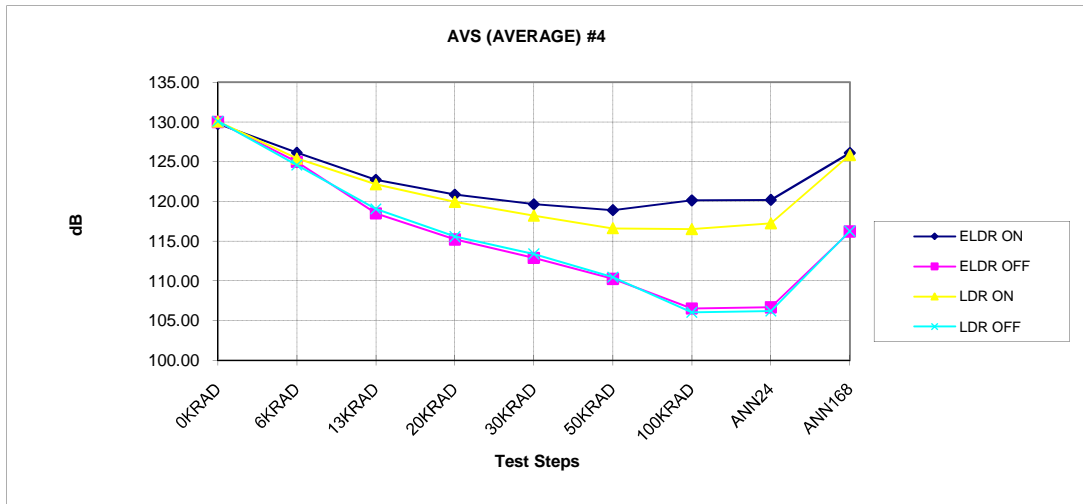
Bias off results									
7 OFF	129.66	124.78	118.47	115.29	113.01	110.47	107.00	107.15	116.74
8 OFF	130.17	124.94	118.52	115.18	112.89	110.24	106.54	106.66	116.05
9 OFF	129.62	124.65	118.31	115.06	112.72	110.10	106.41	106.57	116.21
10 OFF	130.16	125.41	118.84	115.50	113.15	110.50	106.57	106.75	116.31
11 OFF	130.39	125.09	118.29	115.05	112.66	109.99	106.09	106.23	115.77
Statistics bias off									
min result	129.62	124.65	118.29	115.05	112.66	109.99	106.09	106.23	115.77
max result	130.39	125.41	118.84	115.50	113.15	110.50	107.00	107.15	116.74
average	130.00	124.97	118.49	115.21	112.89	110.26	106.52	106.67	116.21
sigma	0.34	0.29	0.22	0.19	0.20	0.22	0.33	0.33	0.36



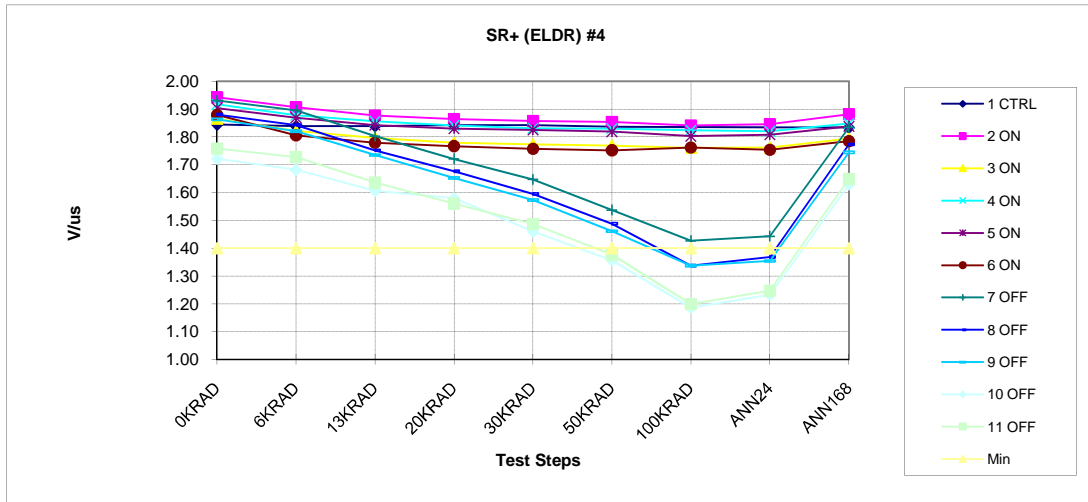
AVS (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	120	120	120	120	120	120	120	120	120
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	130.07	129.15	129.27	129.27	129.27	129.45	129.71	128.94	129.99

Bias on results									
2 ON	130.04	125.10	121.48	119.22	117.79	116.56	116.81	117.44	125.76
3 ON	130.46	125.69	122.06	119.74	118.23	116.91	117.05	117.73	126.24
4 ON	129.88	125.25	121.96	119.80	118.09	116.63	116.68	117.43	125.87
5 ON	130.01	125.14	122.17	119.98	118.11	116.27	116.06	116.86	125.60
6 ON	129.89	125.83	123.17	120.90	118.86	116.72	115.98	116.83	125.79
Statistics bias on									
min result	129.88	125.10	121.48	119.22	117.79	116.27	115.98	116.83	125.60
max result	130.46	125.83	123.17	120.90	118.86	116.91	117.05	117.73	126.24
average	130.06	125.40	122.17	119.93	118.22	116.62	116.52	117.26	125.85
sigma	0.23	0.33	0.62	0.61	0.40	0.24	0.47	0.40	0.24

Bias off results									
7 OFF	129.83	123.96	118.93	115.63	113.40	110.37	105.93	106.10	115.91
8 OFF	129.47	124.54	119.09	115.66	113.59	110.74	106.46	106.64	116.32
9 OFF	129.83	124.29	118.46	115.18	113.13	110.35	105.97	106.13	116.08
10 OFF	131.86	125.93	120.11	116.22	113.88	110.76	106.22	106.36	117.06
11 OFF	129.43	124.21	118.70	115.20	112.96	110.12	105.60	105.86	115.91
Statistics bias off									
min result	129.43	123.96	118.46	115.18	112.96	110.12	105.60	105.86	115.91
max result	131.86	125.93	120.11	116.22	113.88	110.76	106.46	106.64	117.06
average	130.08	124.59	119.06	115.58	113.39	110.47	106.04	106.22	116.26
sigma	1.01	0.78	0.64	0.42	0.36	0.28	0.33	0.29	0.48



AVS (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	129.76	126.13	122.72	120.87	119.64	118.91	120.14	120.20	126.10
ELDR OFF	130.00	124.97	118.49	115.21	112.89	110.26	106.52	106.67	116.21
LDR ON	130.06	125.40	122.17	119.93	118.22	116.62	116.52	117.26	125.85
LDR OFF	130.08	124.59	119.06	115.58	113.39	110.47	106.04	106.22	116.26



SR+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	1.85	1.84	1.84	1.84	1.84	1.84	1.84	1.83	1.83

Bias on results									
2 ON	1.94	1.91	1.88	1.86	1.86	1.85	1.84	1.85	1.88
3 ON	1.87	1.82	1.80	1.78	1.77	1.77	1.76	1.76	1.79
4 ON	1.92	1.88	1.86	1.84	1.83	1.83	1.82	1.82	1.85
5 ON	1.90	1.87	1.84	1.83	1.83	1.82	1.80	1.81	1.84
6 ON	1.88	1.81	1.78	1.77	1.76	1.75	1.76	1.75	1.79
Statistics bias on									
min result	1.87	1.81	1.78	1.77	1.76	1.75	1.76	1.75	1.79
max result	1.94	1.91	1.88	1.86	1.86	1.85	1.84	1.85	1.88
average	1.90	1.86	1.83	1.82	1.81	1.80	1.80	1.80	1.83
sigma	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

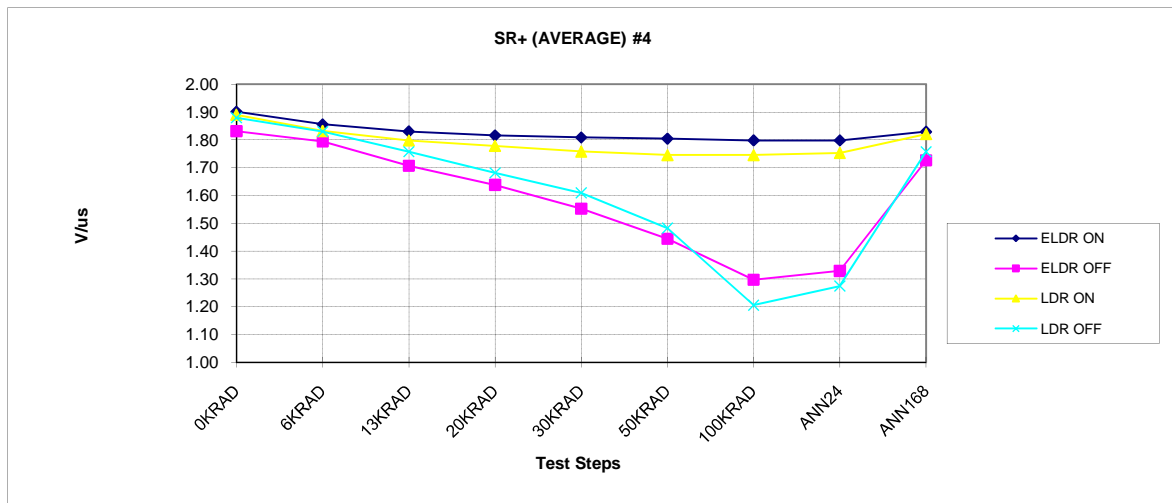
Bias off results									
7 OFF	1.93	1.90	1.80	1.72	1.65	1.54	1.43	1.44	1.84
8 OFF	1.88	1.84	1.75	1.68	1.60	1.49	1.34	1.37	1.77
9 OFF	1.86	1.82	1.74	1.65	1.57	1.46	1.34	1.35	1.75
10 OFF	1.72	1.68	1.61	1.58	1.46	1.36	1.19	1.23	1.63
11 OFF	1.76	1.73	1.64	1.56	1.49	1.38	1.20	1.25	1.65
Statistics bias off									
min result	1.72	1.68	1.61	1.56	1.46	1.36	1.19	1.23	1.63
max result	1.93	1.90	1.80	1.72	1.65	1.54	1.43	1.44	1.84
average	1.83	1.79	1.71	1.64	1.55	1.44	1.30	1.33	1.73
sigma	0.09	0.09	0.08	0.07	0.08	0.08	0.10	0.09	0.09



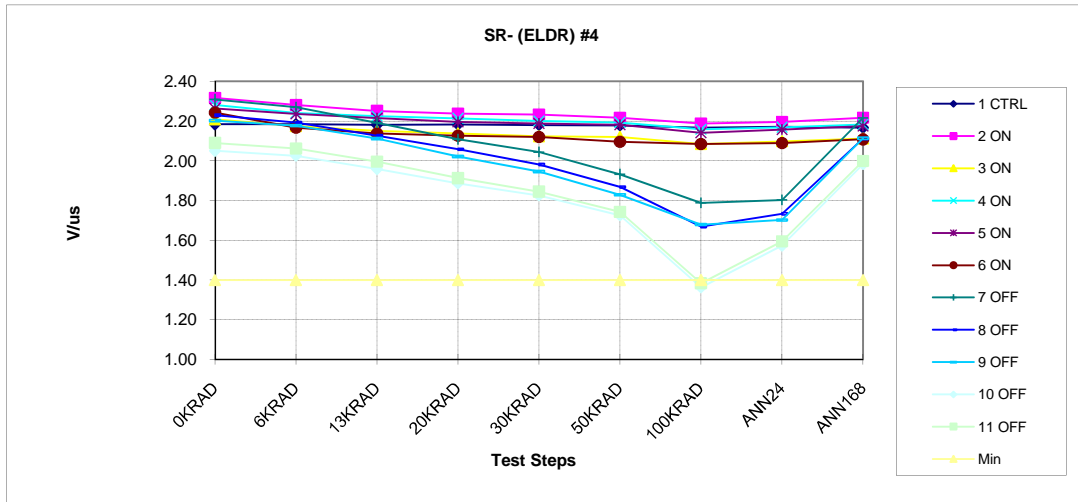
SR+(LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	1.87	1.86	1.86	1.86	1.86	1.85	1.85	1.85	1.85

Bias on results									
2 ON	1.88	1.82	1.79	1.77	1.75	1.74	1.74	1.75	1.82
3 ON	1.90	1.84	1.80	1.78	1.77	1.76	1.76	1.76	1.83
4 ON	1.91	1.84	1.80	1.79	1.77	1.76	1.76	1.77	1.83
5 ON	1.81	1.75	1.72	1.70	1.69	1.67	1.67	1.68	1.74
6 ON	1.96	1.91	1.87	1.85	1.82	1.81	1.80	1.82	1.89
Statistics bias on									
min result	1.81	1.75	1.72	1.70	1.69	1.67	1.67	1.68	1.74
max result	1.96	1.91	1.87	1.85	1.82	1.81	1.80	1.82	1.89
average	1.89	1.83	1.80	1.78	1.76	1.75	1.75	1.75	1.82
sigma	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05

Bias off results									
7 OFF	1.88	1.83	1.76	1.70	1.62	1.49	1.25	1.31	1.75
8 OFF	1.86	1.81	1.74	1.66	1.59	1.47	1.18	1.25	1.74
9 OFF	1.91	1.86	1.78	1.70	1.62	1.49	1.22	1.29	1.80
10 OFF	1.90	1.85	1.78	1.70	1.63	1.50	1.19	1.26	1.77
11 OFF	1.85	1.80	1.73	1.65	1.58	1.46	1.19	1.27	1.73
Statistics bias off									
min result	1.85	1.80	1.73	1.65	1.58	1.46	1.18	1.25	1.73
max result	1.91	1.86	1.78	1.70	1.63	1.50	1.25	1.31	1.80
average	1.88	1.83	1.76	1.68	1.61	1.48	1.21	1.27	1.76
sigma	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03



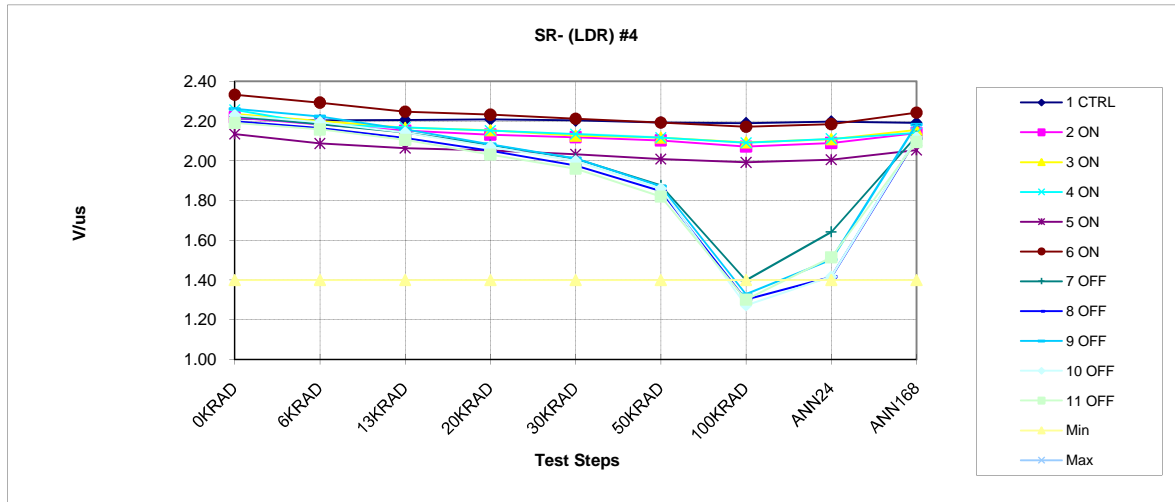
SR+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.90	1.86	1.83	1.82	1.81	1.80	1.80	1.80	1.83
ELDR OFF	1.83	1.79	1.71	1.64	1.55	1.44	1.30	1.33	1.73
LDR ON	1.89	1.83	1.80	1.78	1.76	1.75	1.75	1.75	1.82
LDR OFF	1.88	1.83	1.76	1.68	1.61	1.48	1.21	1.27	1.76



SR- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	2.18	2.18	2.18	2.18	2.18	2.18	2.17	2.17	2.17

Bias on results									
2 ON	2.32	2.28	2.25	2.24	2.23	2.22	2.19	2.20	2.22
3 ON	2.21	2.17	2.15	2.14	2.12	2.12	2.12	2.08	2.11
4 ON	2.28	2.24	2.23	2.21	2.20	2.19	2.16	2.17	2.18
5 ON	2.26	2.24	2.22	2.20	2.19	2.18	2.14	2.16	2.18
6 ON	2.24	2.17	2.14	2.13	2.12	2.10	2.09	2.09	2.11
Statistics bias on									
min result	2.21	2.17	2.14	2.13	2.12	2.10	2.08	2.09	2.11
max result	2.32	2.28	2.25	2.24	2.23	2.22	2.19	2.20	2.22
average	2.26	2.22	2.20	2.18	2.17	2.16	2.13	2.14	2.16
sigma	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

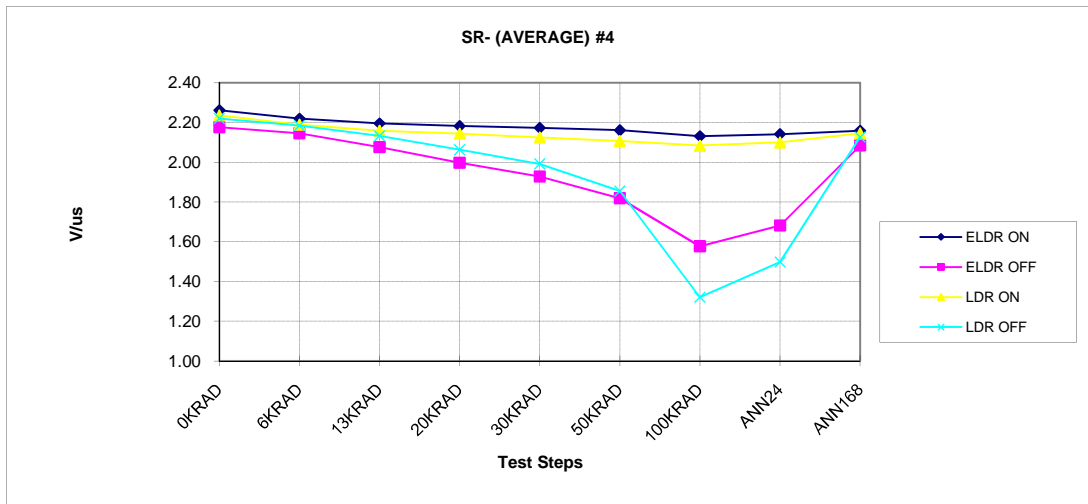
Bias off results									
7 OFF	2.31	2.27	2.19	2.11	2.04	1.93	1.79	1.80	2.22
8 OFF	2.23	2.19	2.13	2.06	1.98	1.87	1.67	1.73	2.11
9 OFF	2.20	2.18	2.11	2.02	1.95	1.83	1.68	1.70	2.11
10 OFF	2.05	2.03	1.96	1.89	1.83	1.73	1.36	1.57	1.98
11 OFF	2.09	2.06	2.00	1.91	1.85	1.74	1.38	1.60	2.00
Statistics bias off									
min result	2.05	2.03	1.96	1.89	1.83	1.73	1.36	1.57	1.98
max result	2.31	2.27	2.19	2.11	2.04	1.93	1.79	1.80	2.22
average	2.18	2.15	2.08	2.00	1.93	1.82	1.58	1.68	2.08
sigma	0.11	0.10	0.10	0.09	0.09	0.09	0.19	0.10	0.10



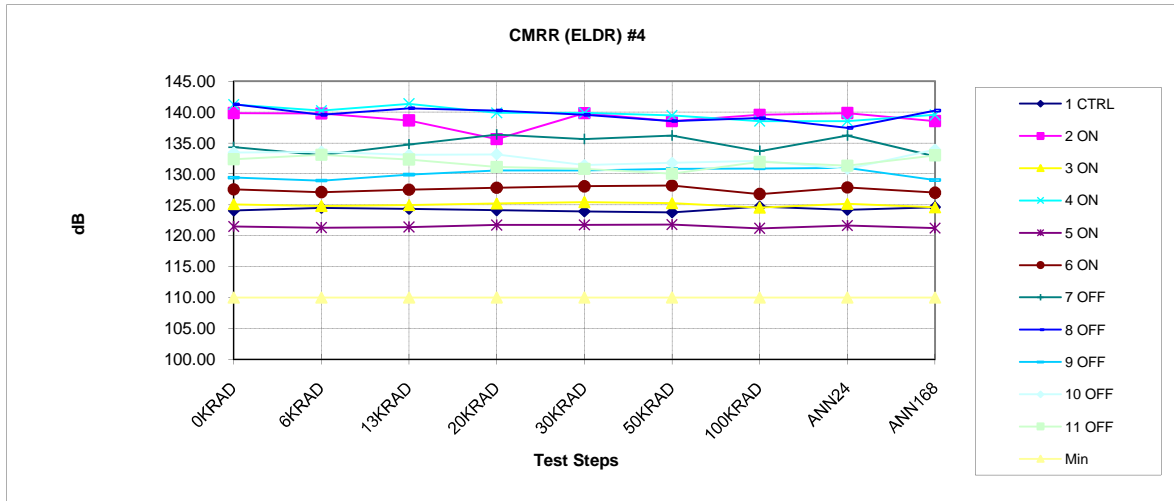
SR- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	--	--	--	--	--	--	--	--	--
Unit	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us	V/us
Control Results									
1 CTRL	2.21	2.20	2.21	2.21	2.20	2.19	2.19	2.20	2.19

Bias on results									
2 ON	2.22	2.18	2.15	2.13	2.12	2.10	2.07	2.09	2.14
3 ON	2.24	2.20	2.17	2.15	2.13	2.12	2.09	2.11	2.16
4 ON	2.26	2.18	2.17	2.15	2.13	2.12	2.09	2.11	2.14
5 ON	2.13	2.09	2.06	2.05	2.03	2.01	1.99	2.01	2.05
6 ON	2.33	2.29	2.25	2.23	2.21	2.19	2.17	2.19	2.24
Statistics bias on									
min result	2.13	2.09	2.06	2.05	2.03	2.01	1.99	2.01	2.05
max result	2.33	2.29	2.25	2.23	2.21	2.19	2.17	2.19	2.24
average	2.24	2.19	2.16	2.14	2.12	2.11	2.08	2.10	2.15
sigma	0.07	0.07	0.07	0.06	0.06	0.07	0.06	0.06	0.07

Bias off results									
7 OFF	2.22	2.18	2.14	2.08	2.01	1.88	1.40	1.64	2.12
8 OFF	2.20	2.17	2.12	2.05	1.98	1.85	1.30	1.42	2.11
9 OFF	2.26	2.22	2.16	2.08	2.01	1.87	1.33	1.50	2.18
10 OFF	2.23	2.19	2.14	2.07	2.00	1.86	1.27	1.42	2.12
11 OFF	2.19	2.16	2.11	2.03	1.96	1.82	1.30	1.51	2.10
Statistics bias off									
min result	2.19	2.16	2.11	2.03	1.96	1.82	1.27	1.42	2.10
max result	2.26	2.22	2.16	2.08	2.01	1.88	1.40	1.64	2.18
average	2.22	2.18	2.13	2.06	1.99	1.86	1.32	1.50	2.13
sigma	0.03	0.03	0.02	0.02	0.02	0.02	0.05	0.09	0.03



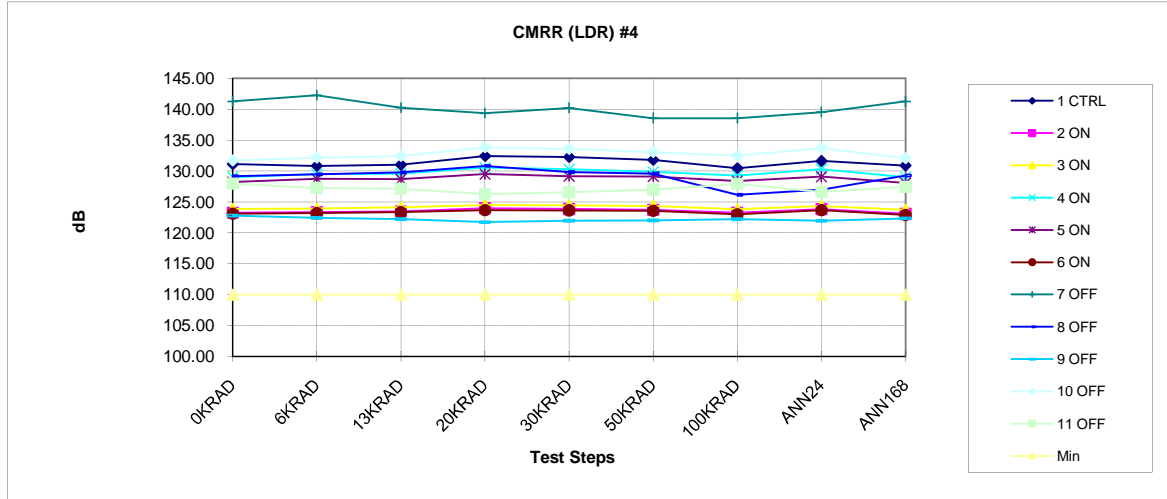
SR- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	2.26	2.22	2.20	2.18	2.17	2.16	2.13	2.14	2.16
ELDR OFF	2.18	2.15	2.08	2.00	1.93	1.82	1.58	1.68	2.08
LDR ON	2.24	2.19	2.16	2.14	2.12	2.11	2.08	2.10	2.15
LDR OFF	2.22	2.18	2.13	2.06	1.99	1.86	1.32	1.50	2.13



CMRR (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	110	110	110	110	110	110	110	110	110
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	124.08	124.52	124.35	124.11	123.93	123.78	124.69	124.19	124.62

Bias on results									
2 ON	139.85	139.78	138.66	135.65	139.85	138.53	139.58	139.85	138.56
3 ON	125.10	124.81	124.95	125.20	125.44	125.26	124.54	125.16	124.59
4 ON	141.24	140.26	141.35	139.90	139.88	139.44	138.56	138.56	139.55
5 ON	121.49	121.31	121.42	121.73	121.77	121.82	121.21	121.66	121.24
6 ON	127.52	127.06	127.44	127.77	128.00	128.13	126.75	127.81	126.96
Statistics bias on									
min result	121.49	121.31	121.42	121.73	121.77	121.82	121.21	121.66	121.24
max result	141.24	140.26	141.35	139.90	139.88	139.44	139.58	139.85	139.55
average	131.04	130.64	130.76	130.05	130.99	130.64	130.13	130.61	130.18
sigma	8.95	8.80	8.76	7.52	8.40	7.95	8.41	8.16	8.36

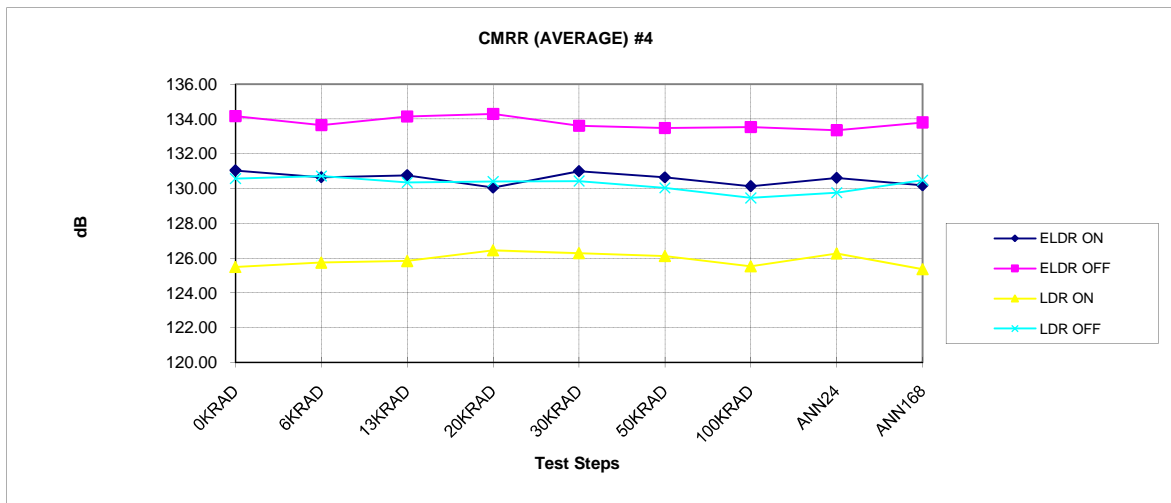
Bias off results									
7 OFF	134.32	133.06	134.77	136.36	135.64	136.20	133.69	136.22	132.83
8 OFF	141.26	139.57	140.63	140.27	139.59	138.55	139.03	137.46	140.26
9 OFF	129.40	128.92	129.90	130.56	130.57	130.83	130.90	130.95	129.00
10 OFF	133.46	133.58	133.10	133.17	131.43	131.79	132.10	130.81	133.92
11 OFF	132.37	133.09	132.34	131.13	130.82	130.05	131.94	131.35	133.01
Statistics bias off									
min result	129.40	128.92	129.90	130.56	130.57	130.05	130.90	130.81	129.00
max result	141.26	139.57	140.63	140.27	139.59	138.55	139.03	137.46	140.26
average	134.16	133.64	134.15	134.30	133.61	133.48	133.53	133.36	133.80
sigma	4.38	3.81	4.03	4.04	3.93	3.70	3.23	3.21	4.07



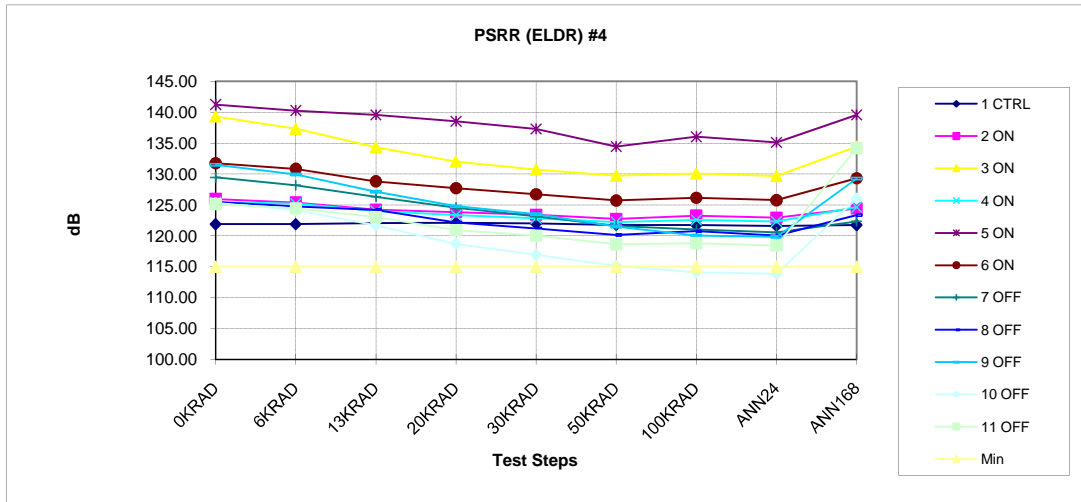
CMRR (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	110	110	110	110	110	110	110	110	110
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	131.13	130.84	131.02	132.43	132.29	131.82	130.46	131.63	130.90

Bias on results									
2 ON	123.26	123.35	123.46	124.00	123.85	123.71	123.25	123.83	123.08
3 ON	123.87	123.93	124.11	124.49	124.46	124.35	123.80	124.37	123.74
4 ON	129.02	129.50	129.57	130.54	130.29	129.87	129.26	130.32	129.03
5 ON	128.22	128.74	128.69	129.50	129.16	129.13	128.36	129.09	128.08
6 ON	123.09	123.19	123.34	123.67	123.65	123.56	122.98	123.68	122.91
Statistics bias on									
min result	123.09	123.19	123.34	123.67	123.65	123.56	122.98	123.68	122.91
max result	129.02	129.50	129.57	130.54	130.29	129.87	129.26	130.32	129.03
average	125.49	125.74	125.83	126.44	126.28	126.12	125.53	126.26	125.37
sigma	2.88	3.11	3.04	3.30	3.18	3.11	3.02	3.19	2.94

Bias off results									
7 OFF	141.26	142.26	140.26	139.36	140.21	138.56	138.56	139.54	141.26
8 OFF	129.16	129.48	129.77	130.84	129.83	129.58	126.15	126.99	129.28
9 OFF	122.80	122.41	122.21	121.74	121.98	122.00	122.21	121.94	122.35
10 OFF	131.69	132.17	132.42	133.84	133.55	133.05	132.45	133.71	132.09
11 OFF	127.96	127.26	127.12	126.28	126.58	126.99	127.93	126.61	127.44
Statistics bias off									
min result	122.80	122.41	122.21	121.74	121.98	122.00	122.21	121.94	122.35
max result	141.26	142.26	140.26	139.36	140.21	138.56	138.56	139.54	141.26
average	130.57	130.72	130.35	130.41	130.43	130.03	129.46	129.76	130.48
sigma	6.79	7.38	6.70	6.79	6.93	6.24	6.28	6.89	6.99



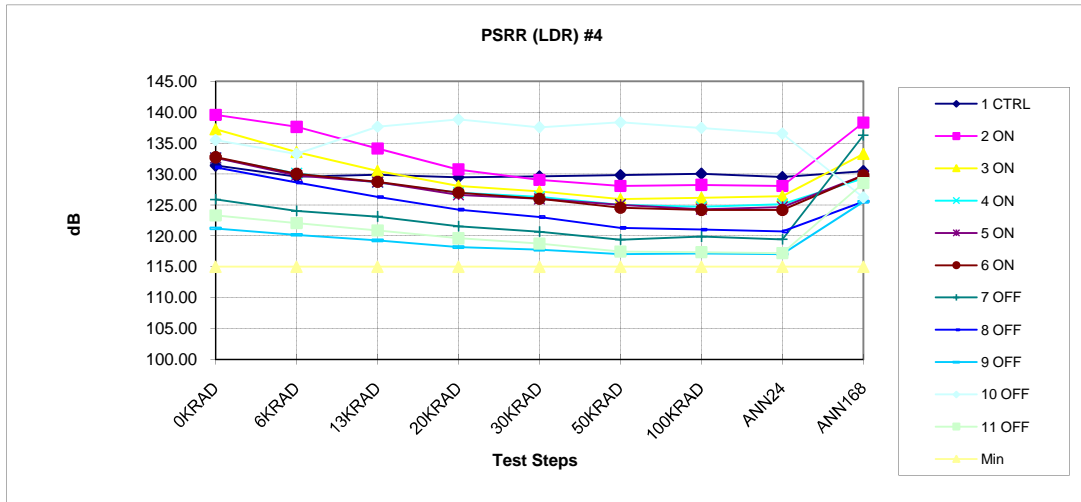
CMRR (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	131.04	130.64	130.76	130.05	130.99	130.64	130.13	130.61	130.18
ELDR OFF	134.16	133.64	134.15	134.30	133.61	133.48	133.53	133.36	133.80
LDR ON	125.49	125.74	125.83	126.44	126.28	126.12	125.53	126.26	125.37
LDR OFF	130.57	130.72	130.35	130.41	130.43	130.03	129.46	129.76	130.48



PSRR (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	121.90	121.90	122.08	122.11	122.00	121.78	121.76	121.62	121.75

Bias on results									
2 ON	125.97	125.40	124.24	123.82	123.43	122.73	123.28	122.96	124.46
3 ON	139.31	137.32	134.34	132.02	130.71	129.75	130.09	129.68	134.43
4 ON	125.43	125.21	124.05	123.37	122.83	122.51	122.59	122.34	124.63
5 ON	141.25	140.27	139.56	138.54	137.28	134.44	136.03	135.10	139.56
6 ON	131.76	130.84	128.82	127.71	126.73	125.73	126.17	125.78	129.32
Statistics bias on									
min result	125.43	125.21	124.05	123.37	122.83	122.24	122.59	122.34	124.46
max result	141.25	140.27	139.56	138.54	137.28	134.44	136.03	135.10	139.56
average	132.75	131.81	130.20	129.09	128.19	126.98	127.63	127.17	130.48
sigma	7.34	6.85	6.71	6.33	5.97	5.13	5.55	5.30	6.52

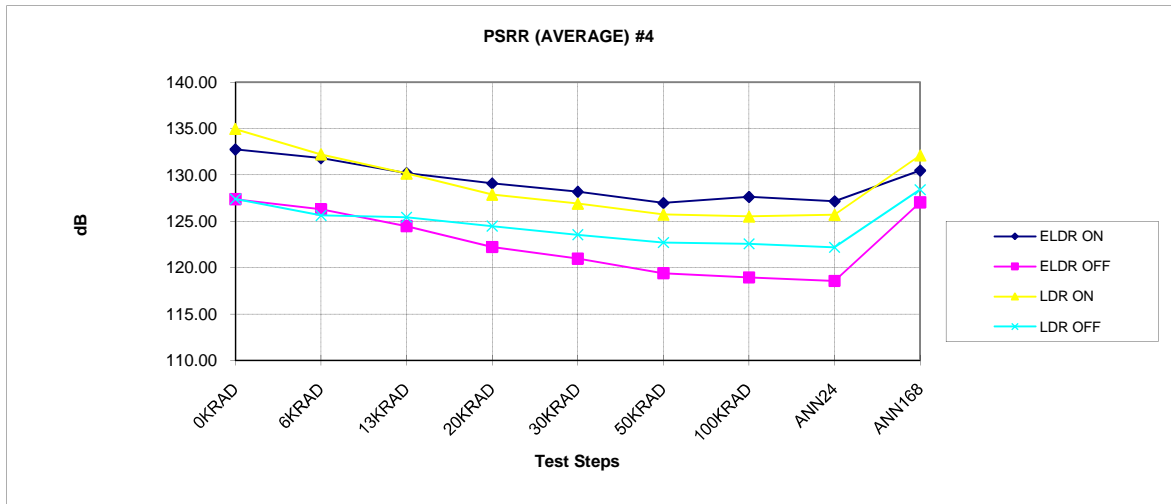
Bias off results									
7 OFF	129.45	128.18	126.34	124.54	123.15	121.61	121.01	120.55	122.33
8 OFF	125.51	124.75	124.19	122.18	121.19	120.13	120.75	120.06	123.37
9 OFF	131.48	129.95	127.15	124.79	123.51	121.51	120.04	119.84	129.28
10 OFF	125.34	124.16	121.70	118.72	116.95	115.12	114.07	113.89	126.04
11 OFF	125.15	124.45	123.04	120.93	120.05	118.62	118.82	118.44	134.19
Statistics bias off									
min result	125.15	124.16	121.70	118.72	116.95	115.12	114.07	113.89	122.33
max result	131.48	129.95	127.15	124.79	123.51	121.61	121.01	120.55	134.19
average	127.38	126.30	124.48	122.23	120.97	119.40	118.94	118.56	127.04
sigma	2.90	2.61	2.26	2.54	2.66	2.68	2.85	2.72	4.81



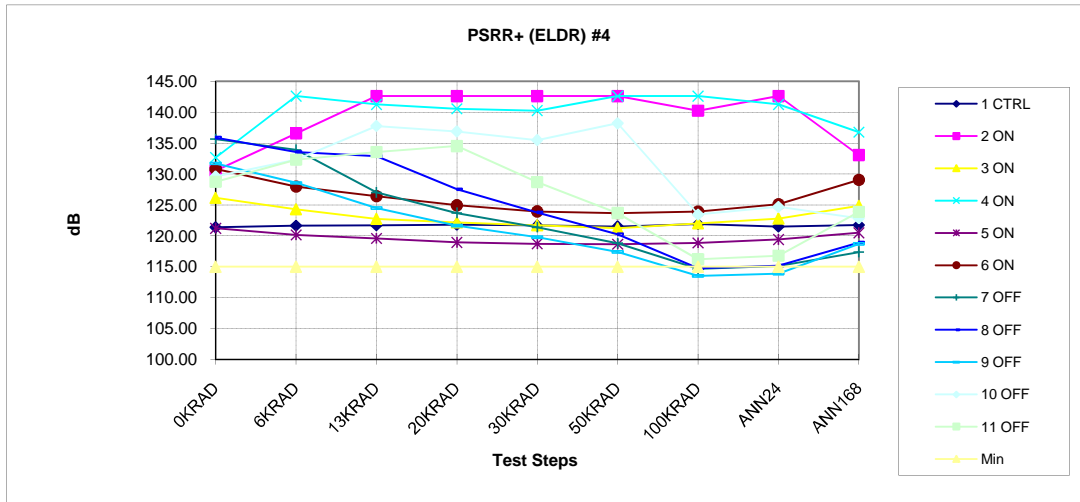
PSRR (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	131.38	129.58	129.87	129.49	129.64	129.83	130.06	129.51	130.48

Bias on results									
2 ON	139.58	137.63	134.15	130.73	129.07	128.08	128.25	128.08	138.33
3 ON	137.22	133.54	130.50	128.07	127.18	125.94	126.14	126.41	133.25
4 ON	132.61	130.12	128.66	126.98	126.34	125.04	124.72	125.14	129.31
5 ON	132.61	129.77	128.71	126.65	125.98	125.04	124.31	124.67	129.79
6 ON	132.71	130.03	128.74	126.98	126.01	124.56	124.21	124.18	129.79
Statistics bias on									
min result	132.61	129.77	128.66	126.65	125.98	124.56	124.21	124.18	129.31
max result	139.58	137.63	134.15	130.73	129.07	128.08	128.25	128.08	138.33
average	134.95	132.22	130.15	127.88	126.91	125.73	125.52	125.70	132.09
sigma	3.26	3.40	2.36	1.68	1.30	1.40	1.71	1.57	3.83

Bias off results									
7 OFF	125.89	124.02	123.12	121.54	120.65	119.39	119.87	119.43	136.28
8 OFF	131.08	128.62	126.29	124.26	123.04	121.28	121.01	120.74	125.56
9 OFF	121.21	120.17	119.28	118.19	117.74	117.02	117.12	117.04	125.51
10 OFF	135.48	133.28	137.64	138.82	137.56	138.36	137.46	136.54	126.20
11 OFF	123.32	122.05	120.88	119.61	118.75	117.44	117.34	117.19	128.54
Statistics bias off									
min result	121.21	120.17	119.28	118.19	117.74	117.02	117.12	117.04	125.51
max result	135.48	133.28	137.64	138.82	137.56	138.36	137.46	136.54	136.28
average	127.39	125.63	125.44	124.49	123.55	122.70	122.56	122.19	128.42
sigma	5.83	5.31	7.31	8.33	8.09	8.92	8.49	8.17	4.57



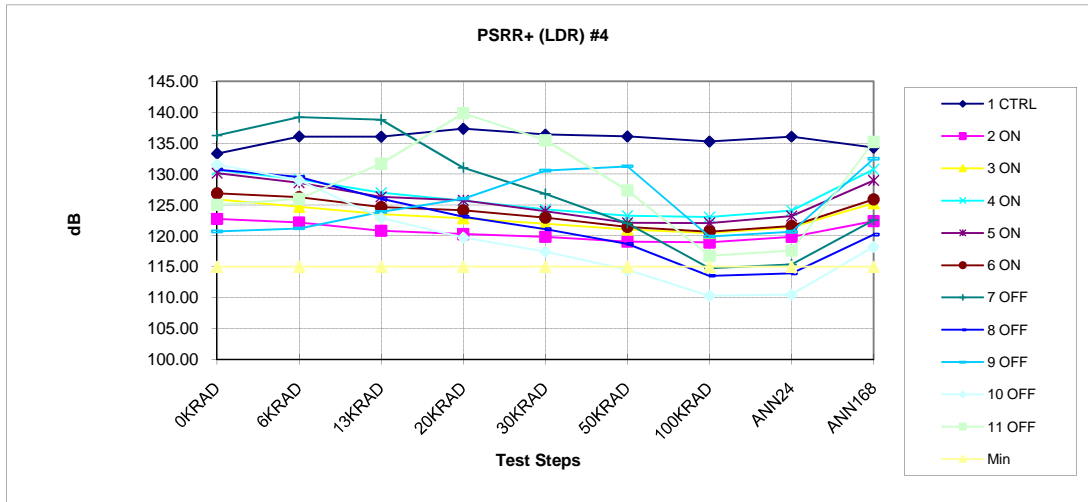
PSRR (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	132.75	131.81	130.20	129.09	128.19	126.98	127.63	127.17	130.48
ELDR OFF	127.38	126.30	124.48	122.23	120.97	119.40	118.94	118.56	127.04
LDR ON	134.95	132.22	130.15	127.88	126.91	125.73	125.52	125.70	132.09
LDR OFF	127.39	125.63	125.44	124.49	123.55	122.70	122.56	122.19	128.42



PSRR+ (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	121.39	121.64	121.70	121.81	121.68	121.52	121.91	121.50	121.76

Bias on results									
2 ON	130.57	136.59	142.61	142.61	142.61	142.61	140.25	142.61	133.06
3 ON	126.14	124.30	122.74	122.16	121.72	121.23	122.03	122.78	124.85
4 ON	132.70	142.61	141.26	140.56	140.27	142.61	142.61	141.26	136.78
5 ON	121.22	120.15	119.60	118.94	118.72	118.66	118.87	119.40	120.49
6 ON	130.83	127.98	126.41	124.94	123.95	123.68	123.95	125.11	129.07
Statistics bias on									
min result	121.22	120.15	119.60	118.94	118.72	118.66	118.87	119.40	120.49
max result	132.70	142.61	142.61	142.61	142.61	142.61	142.61	142.61	136.78
average	128.29	130.32	130.52	129.84	129.45	129.76	129.54	130.23	128.85
sigma	4.63	9.16	10.70	10.95	11.13	11.86	11.03	10.88	6.45

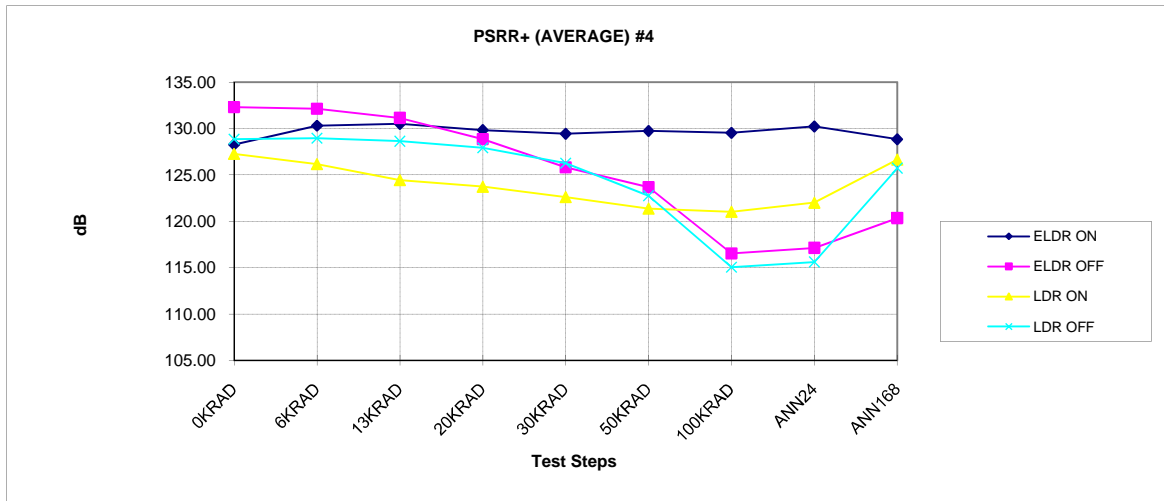
Bias off results									
7 OFF	135.64	133.90	127.02	123.70	121.39	118.81	114.64	115.14	117.38
8 OFF	135.89	133.57	132.91	127.53	123.80	120.25	114.78	115.19	118.93
9 OFF	131.72	128.57	124.50	121.66	119.78	117.42	113.53	113.86	118.70
10 OFF	129.62	132.34	137.78	136.90	135.49	138.22	123.47	124.72	122.87
11 OFF	128.75	132.31	133.57	134.53	128.68	123.69	116.22	116.77	123.87
Statistics bias off									
min result	128.75	128.57	124.50	121.66	119.78	117.42	113.53	113.86	117.38
max result	135.89	133.90	137.78	136.90	135.49	138.22	123.47	124.72	123.87
average	132.32	132.14	131.16	128.86	125.83	123.68	116.53	117.14	120.35
sigma	3.32	2.12	5.34	6.65	6.36	8.46	4.00	4.36	2.84



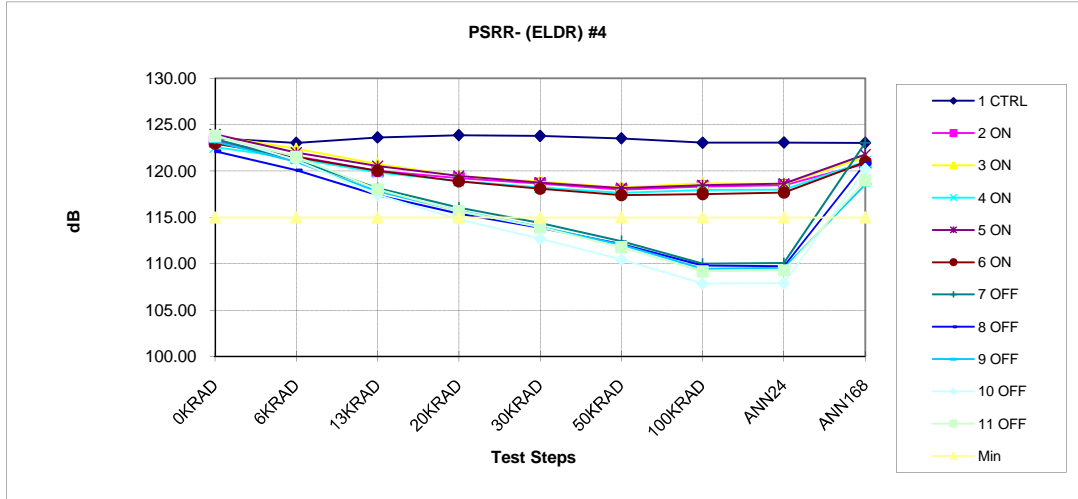
PSRR+ (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	133.31	136.07	136.04	137.34	136.40	136.09	135.26	136.05	134.28

Bias on results									
2 ON	122.75	122.14	120.81	120.28	119.85	119.05	118.93	119.83	122.38
3 ON	125.91	124.70	123.51	122.85	121.98	121.01	120.46	121.39	125.28
4 ON	130.66	129.17	126.97	125.67	124.31	123.24	123.03	124.08	130.75
5 ON	130.14	128.59	126.30	125.73	123.99	122.09	122.09	123.20	128.95
6 ON	126.86	126.24	124.63	124.15	122.95	121.46	120.69	121.58	125.89
Statistics bias on									
min result	122.75	122.14	120.81	120.28	119.85	119.05	118.93	119.83	122.38
max result	130.66	129.17	126.97	125.73	124.31	123.24	123.03	124.08	130.75
average	127.26	126.17	124.44	123.74	122.61	121.37	121.04	122.02	126.65
sigma	3.24	2.88	2.44	2.27	1.80	1.54	1.58	1.66	3.27

Bias off results									
7 OFF	136.24	139.19	138.78	131.01	126.80	122.03	114.75	115.38	122.54
8 OFF	130.74	129.51	125.99	123.12	121.08	118.69	113.55	113.92	120.22
9 OFF	120.73	121.20	123.87	126.02	130.55	131.25	119.89	120.67	132.48
10 OFF	131.55	128.99	122.88	119.73	117.47	114.51	110.28	110.50	118.22
11 OFF	125.00	125.98	131.68	139.82	135.46	127.35	116.77	117.61	135.20
Statistics bias off									
min result	120.73	121.20	122.88	119.73	117.47	114.51	110.28	110.50	118.22
max result	136.24	139.19	138.78	139.82	135.46	131.25	119.89	120.67	135.20
average	128.85	128.98	128.64	127.94	126.27	122.77	115.05	115.61	125.73
sigma	6.04	6.60	6.61	7.82	7.20	6.68	3.59	3.83	7.62



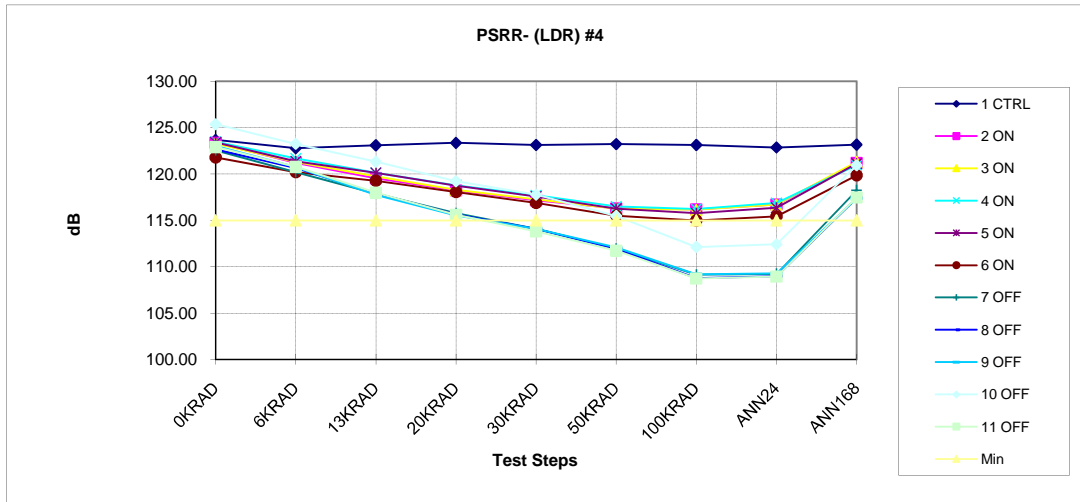
PSRR+ (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	128.29	130.32	130.52	129.84	129.45	129.76	129.54	130.23	128.85
ELDR OFF	132.32	132.14	131.16	128.86	125.83	123.68	116.53	117.14	120.35
LDR ON	127.26	126.17	124.44	123.74	122.61	121.37	121.04	122.02	126.65
LDR OFF	128.85	128.98	128.64	127.94	126.27	122.77	115.05	115.61	125.73



PSRR- (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	123.53	123.04	123.62	123.87	123.78	123.52	123.06	123.08	123.04

Bias on results									
2 ON	123.19	121.57	120.01	119.23	118.63	117.98	118.35	118.47	120.79
3 ON	123.78	122.41	120.74	119.47	118.85	118.23	118.67	118.60	121.51
4 ON	122.57	121.35	119.87	118.92	118.22	117.66	117.96	117.98	121.05
5 ON	123.95	121.98	120.55	119.46	118.76	118.16	118.46	118.65	121.78
6 ON	122.96	121.52	120.03	118.88	118.09	117.41	117.52	117.68	120.98
Statistics bias on									
min result	122.57	121.35	119.87	118.88	118.09	117.41	117.52	117.68	120.79
max result	123.95	122.41	120.74	119.47	118.85	118.23	118.67	118.65	121.78
average	123.29	121.77	120.24	119.19	118.51	117.89	118.19	118.28	121.22
sigma	0.57	0.43	0.38	0.28	0.34	0.35	0.45	0.43	0.41

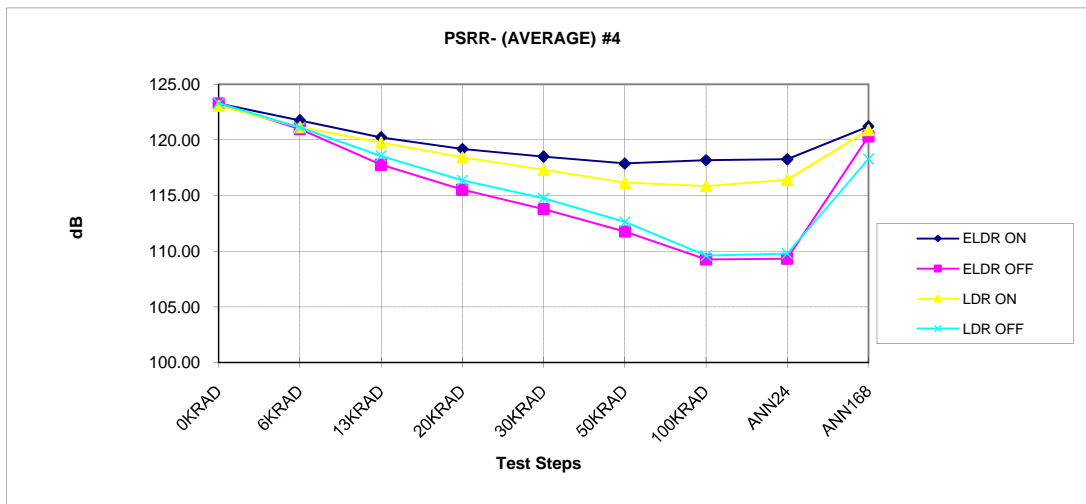
Bias off results									
7 OFF	123.44	121.15	118.17	116.06	114.41	112.45	110.00	110.09	123.04
8 OFF	122.14	120.08	117.42	115.40	113.89	112.13	109.81	109.74	120.82
9 OFF	123.18	121.00	117.82	115.72	113.99	112.04	109.45	109.55	118.54
10 OFF	123.85	121.16	117.43	114.78	112.71	110.46	107.86	107.91	120.22
11 OFF	123.76	121.56	118.02	115.66	113.94	111.77	109.17	109.29	118.99
Statistics bias off									
min result	122.14	120.08	117.42	114.78	112.71	110.46	107.86	107.91	118.54
max result	123.85	121.56	118.17	116.06	114.41	112.45	110.00	110.09	123.04
average	123.27	120.99	117.77	115.53	113.79	111.77	109.26	109.32	120.32
sigma	0.69	0.55	0.34	0.48	0.64	0.77	0.84	0.84	1.78



PSRR- (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	115	115	115	115	115	115	115	115	115
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 CTRL	123.68	122.78	123.11	123.36	123.14	123.24	123.14	122.88	123.18

Bias on results									
2 ON	123.37	121.21	119.56	118.24	117.18	116.29	116.21	116.72	121.20
3 ON	123.28	121.30	119.74	118.30	117.28	116.27	116.15	116.70	121.31
4 ON	123.49	121.68	120.14	118.80	117.71	116.49	116.22	116.87	120.95
5 ON	123.40	121.36	120.14	118.76	117.58	116.28	115.77	116.36	121.14
6 ON	121.79	120.21	119.26	118.07	116.89	115.51	115.00	115.44	119.87
Statistics bias on									
min result	121.79	120.21	119.26	118.07	116.89	115.51	115.00	115.44	119.87
max result	123.49	121.68	120.14	118.80	117.71	116.49	116.22	116.87	121.31
average	123.07	121.15	119.77	118.43	117.33	116.17	115.87	116.42	120.90
sigma	0.72	0.56	0.38	0.33	0.33	0.38	0.52	0.58	0.59

Bias off results									
7 OFF	122.55	120.19	117.89	115.77	114.11	111.95	109.14	109.23	118.25
8 OFF	122.66	120.63	117.91	115.66	114.07	111.91	108.79	108.97	117.41
9 OFF	123.02	120.76	117.76	115.53	114.08	112.07	109.19	109.29	117.37
10 OFF	125.38	123.25	121.32	119.24	117.78	115.48	112.13	112.43	120.95
11 OFF	122.92	120.78	117.97	115.60	113.81	111.73	108.75	108.95	117.47
Statistics bias off									
min result	122.55	120.19	117.76	115.53	113.81	111.73	108.75	108.95	117.37
max result	125.38	123.25	121.32	119.24	117.78	115.48	112.13	112.43	120.95
average	123.31	121.12	118.57	116.36	114.77	112.63	109.60	109.77	118.29
sigma	1.17	1.21	1.54	1.61	1.69	1.60	1.43	1.49	1.53



PSRR- (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	30KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	123.29	121.77	120.24	119.19	118.51	117.89	118.19	118.28	121.22
ELDR OFF	123.27	120.99	117.77	115.53	113.79	111.77	109.26	109.32	120.32
LDR ON	123.07	121.15	119.77	118.43	117.33	116.17	115.87	116.42	120.90
LDR OFF	123.31	121.12	118.57	116.36	114.77	112.63	109.60	109.77	118.29



**TOTAL DOSE RADIATION
TEST REPORT
No. ATN-RR-008/2012**

Issue: 2/Rev:

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Date: 2012/11/12

R.L: 2011902906 / 2011902908

ANNEX II DOSIMETRY



RADIATION TEST SUMMARY

 Irradiation Test Report Number : **20139**

 Date : **18 June 2012**

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

<i>Dosimetry Chain used :</i>	B
<i>Dosimeter :</i>	Farmer model 2680 – s/n 109
<i>Gas Ionisation Chamber :</i>	NE Type 2571 – s/n 3322
<i>Measured Dosimetry :</i>	Total Ionising Dose in [Gy] (water)

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

Irradiation Test Campaign Details

Source Activity : 79.8 TBq

on date : 15 February 2012

	units	Min.	Max.	Time-weighted Average
<i>Temperature</i>	°C	24.10	25.70	24.99
<i>Pressure</i>	mbar	982.60	1036.30	1014.74
<i>Relative Humidity</i>	%	22.20	42.90	32.08

Dosimeter position relative to ⁶⁰ Co source		
X	cm	130
Y	cm	736
Z	cm	62

Run	Start Date & Time (CET)	End Date & Time (CET)	Total Ionising Dose [Gy] (water)	Dose Rate [mGy/h] (water)
1	15/02/2012 15:18	15/02/2012 15:54	0.25	0.41
2	15/02/2012 16:16	16/02/2012 09:13	7.02	0.41
3	16/02/2012 09:18	16/02/2012 11:10	0.77	0.41
4	16/02/2012 11:20	17/02/2012 13:28	10.80	0.41

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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

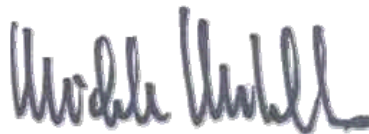
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157	04/06/2012 13:48	04/06/2012 15:27	1.14	0.33
158	04/06/2012 17:08	05/06/2012 08:58	6.04	0.40
159	05/06/2012 09:12	05/06/2012 11:04	0.41	0.40
160	05/06/2012 11:23	05/06/2012 13:45	0.54	0.33
161	05/06/2012 13:47	05/06/2012 17:24	1.04	0.29
162	05/06/2012 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
(TEC-QEC Section Head)

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RADIATION TEST SUMMARY

 Irradiation Test Report Number : **20139b**

 Date : **18 June 2012**

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

(conditions and identification)

Dosimetry Chain used : A
Dosimeter : Farmer model 2680 – s/n 390
Gas Ionisation Chamber : NE Type 2571 – s/n 2915

Measured Dosimetry : Total Ionising Dose in [Gy] (water)

Dosimetry Procedure : ESCC 22900 section 4.1.1
 TEC-QEC/PR001 - Appendix D
 (Total Ionising Dose accredited by RvA according to ISO/IEC 17025.2005
 Certificate No. L517)

(With the exception of the above specified dosimetry equipment, ESTEC ⁶⁰Co 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	Dosimeter position relative to ⁶⁰ Co source		
<i>Temperature</i>	°C	25.00	25.60	25.43	X	cm	-10
<i>Pressure</i>	mbar	996.40	1019.10	1008.25	Y	cm	231
<i>Relative Humidity</i>	%	31.20	40.50	35.64	Z	cm	0

<i>Run</i>	<i>Start Date & Time (CET)</i>	<i>End Date & Time (CET)</i>	<i>Total Ionising Dose [Gy] (water)</i>	<i>Dose Rate [mGy/h] (water)</i>
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

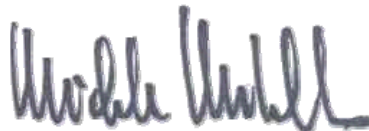
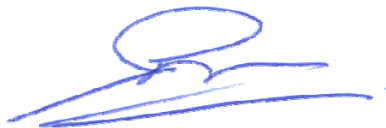
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5	05/06/2012 17:30	06/06/2012 08:45	61.25	4.02
6	06/06/2012 09:00	06/06/2012 10:06		
7	06/06/2012 10:09	06/06/2012 11:12		
8	06/06/2012 11:34	06/06/2012 14:16	9.51	3.52
9	06/06/2012 14:26	07/06/2012 08:44	71.58	3.97
10	07/06/2012 09:01	07/06/2012 11:04		
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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