

RADIATION TEST REPORT

PRODUCT:	DAC08AF/QMLL
GAMMA:	0, 50k, 75k, 100k/TM1019 Condition D
GAMMA SOURCE:	Co60
DOSE RATE:	7.3 mRad/s
FACILITIES:	University of Massachusetts @ Lowell
TESTED:	2010

The RADTESTSM DATA SERVICE is a compilation of radiation test results on Analog Devices' Space grade products. It is designed to assist customers in selecting the right product for applications where radiation is a consideration. Many products manufactured by Analog Devices, Inc. have been shown to be radiation tolerant to most tactical radiation environments. Analog Devices, Inc. does not make any claim to maintain or guarantee these levels of radiation tolerance without lot qualification test.

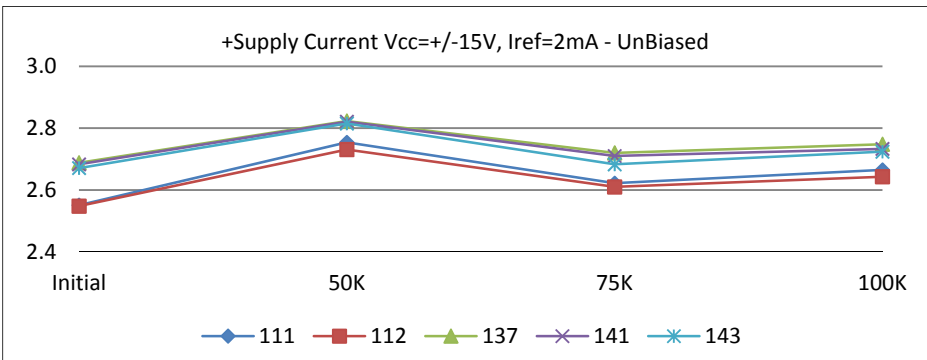
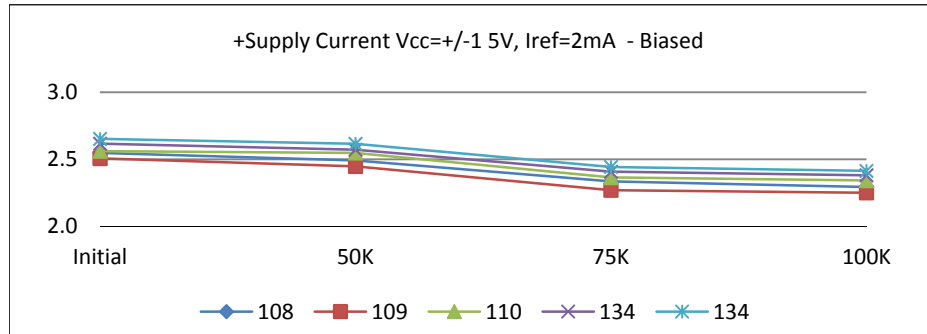
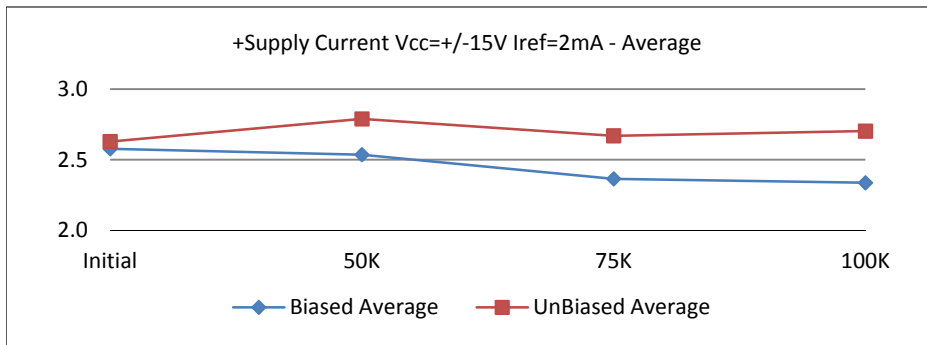
It is the responsibility of the Procuring Activity to screen products from Analog Devices, Inc. for compliance to Nuclear Hardness Critical Items (HCI) specifications.

WARNING:

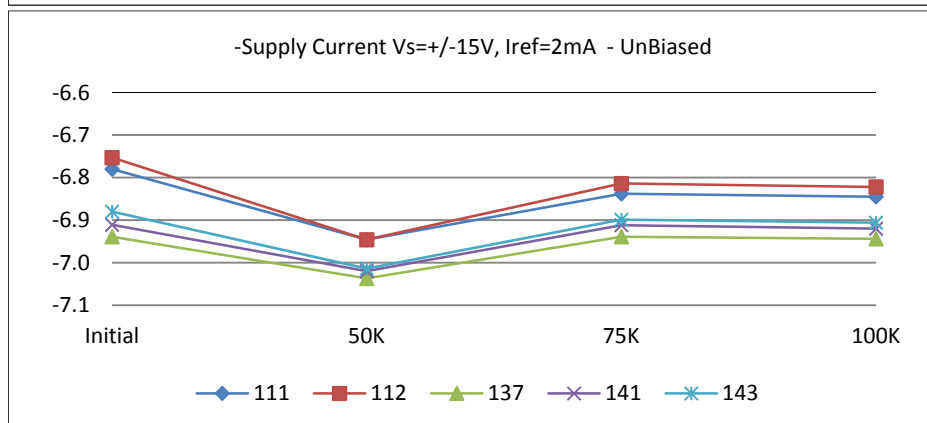
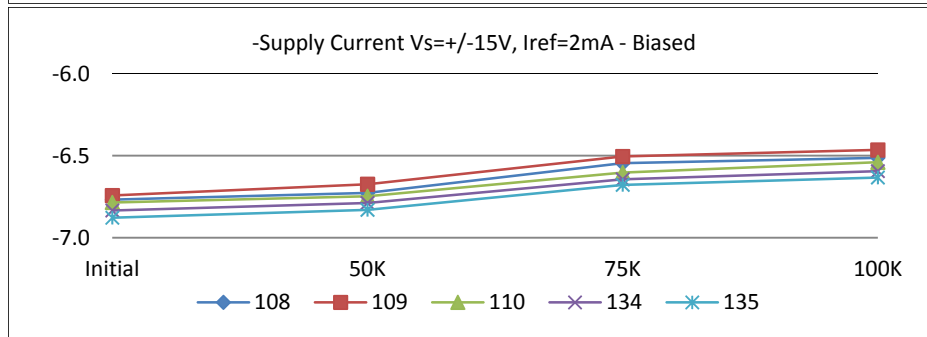
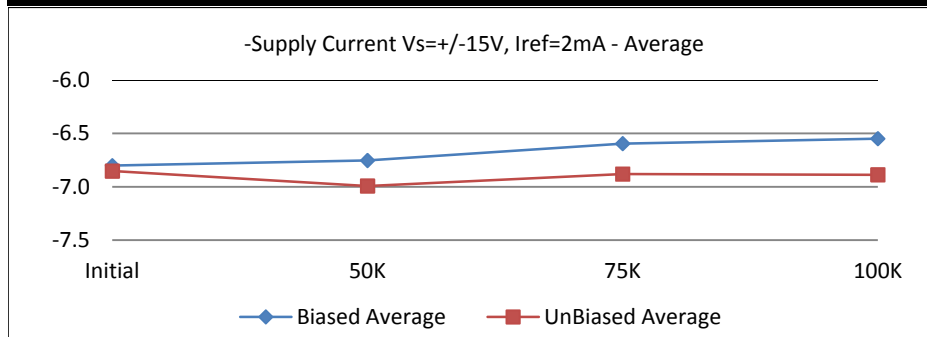
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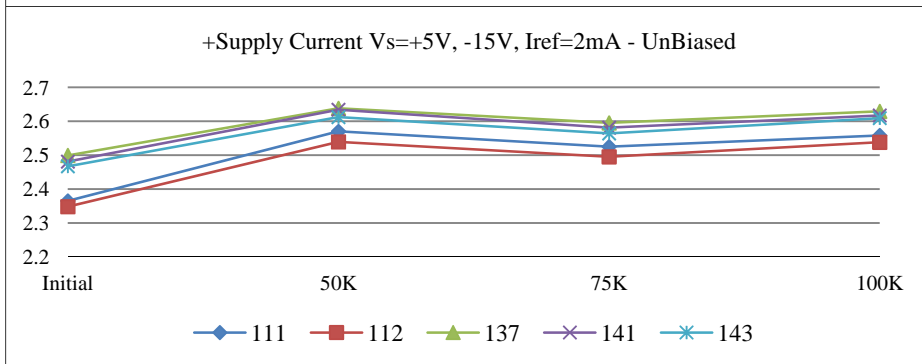
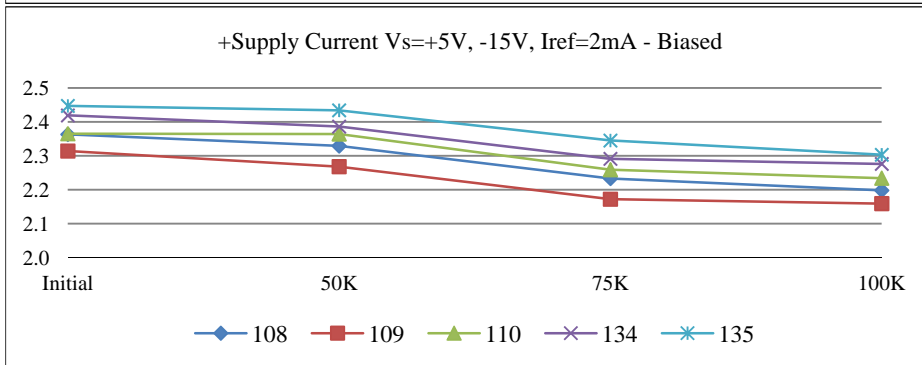
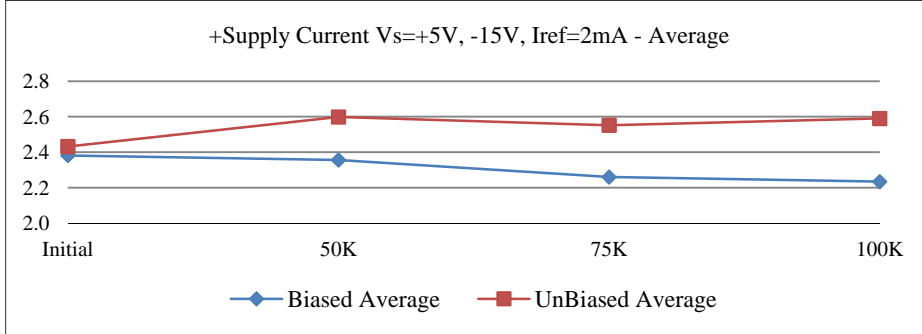
T# 1		ISY+,Vs=+-15V,Iref=2mA				mA
SN		Initial	50K	75K	100K	Limit
Control	113	2.5900	2.5620	2.4480	2.4660	<4
	144	2.6830	2.6750	2.5380	2.5490	
Biased	108	2.5480	2.4920	2.3350	2.2930	
	109	2.5070	2.4480	2.2700	2.2510	
	110	2.5610	2.5480	2.3650	2.3420	
	134	2.6170	2.5720	2.4080	2.3810	
	135	2.6530	2.6160	2.4430	2.4140	
	Min	2.5070	2.4480	2.2700	2.2510	
	Max	2.6530	2.6160	2.4430	2.4140	
	Average	2.5772	2.5352	2.3642	2.3362	
UnBiased	111	2.5510	2.7540	2.6220	2.6650	
	112	2.5480	2.7310	2.6100	2.6430	
	137	2.6880	2.8230	2.7200	2.7480	
	141	2.6830	2.8210	2.7100	2.7330	
	143	2.6710	2.8150	2.6830	2.7240	
	Min	2.5480	2.7310	2.6100	2.6430	
	Max	2.6880	2.8230	2.7200	2.7480	
	Average	2.6282	2.7888	2.6690	2.7026	



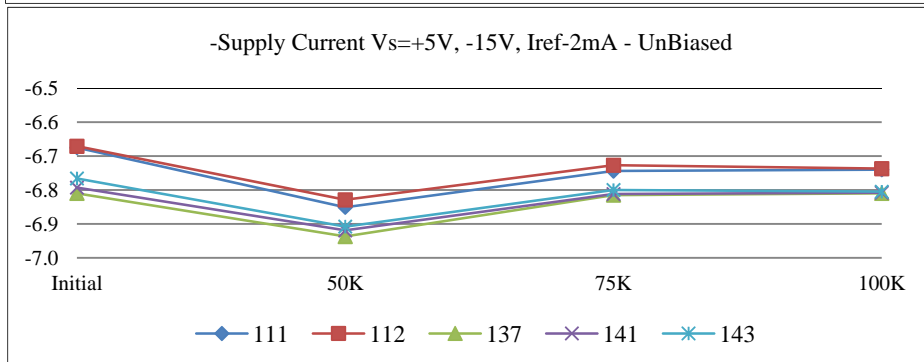
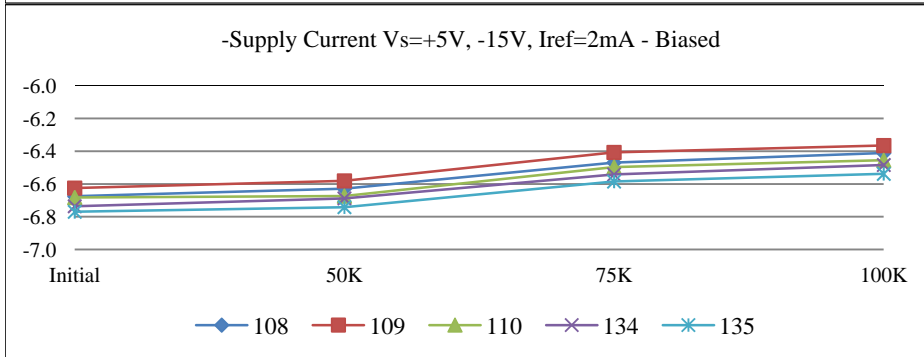
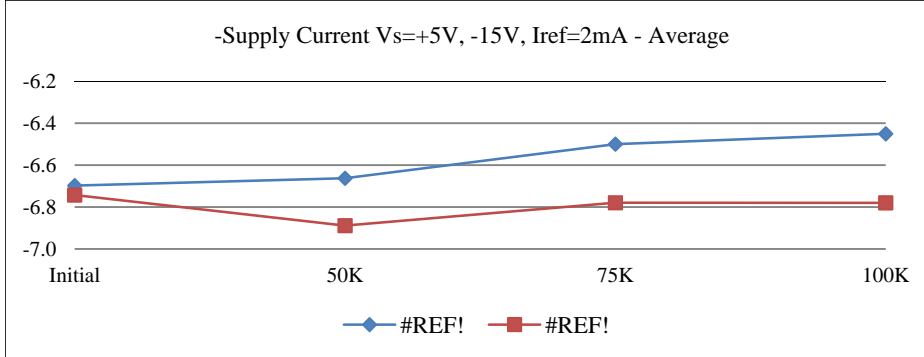
		T#2	ISY-,Vs=+-15V,Iref=2mA				mA
		SN	Initial	50K	75K	100K	Limit
Control	113	-6.8100	-6.8030	-6.6800	-6.6720		>-8
	144	-6.9070	-6.8950	-6.7800	-6.7760		
Biased	108	-6.7680	-6.7270	-6.5460	-6.5130		
	109	-6.7430	-6.6740	-6.5050	-6.4650		
	110	-6.7850	-6.7470	-6.6030	-6.5400		
	134	-6.8340	-6.7880	-6.6440	-6.5940		
	135	-6.8780	-6.8300	-6.6780	-6.6330		
	Min	-6.8780	-6.8300	-6.6780	-6.6330		
	Max	-6.7430	-6.6740	-6.5050	-6.4650		
	Average	-6.8016	-6.7532	-6.5952	-6.5490		
UnBiased	111	-6.7800	-6.9460	-6.8380	-6.8450		
	112	-6.7530	-6.9460	-6.8140	-6.8220		
	137	-6.9390	-7.0370	-6.9390	-6.9440		
	141	-6.9110	-7.0200	-6.9120	-6.9200		
	143	-6.8800	-7.0140	-6.8990	-6.9060		
	Min	-6.9390	-7.0370	-6.9390	-6.9440		
	Max	-6.7530	-6.9460	-6.8140	-6.8220		
	Average	-6.8526	-6.9926	-6.8804	-6.8874		



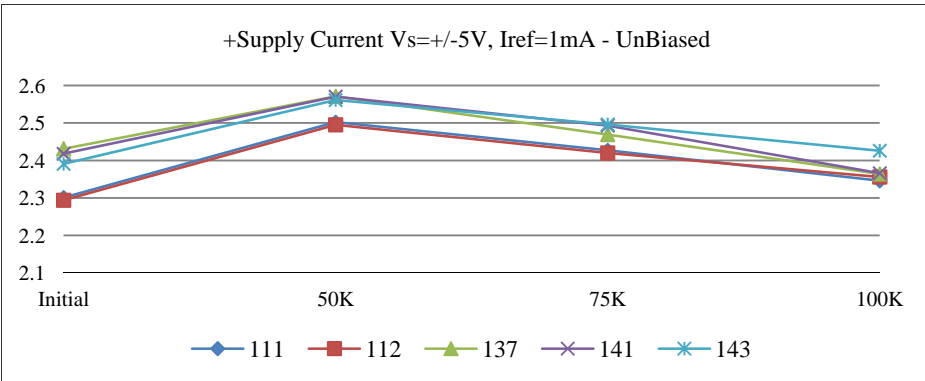
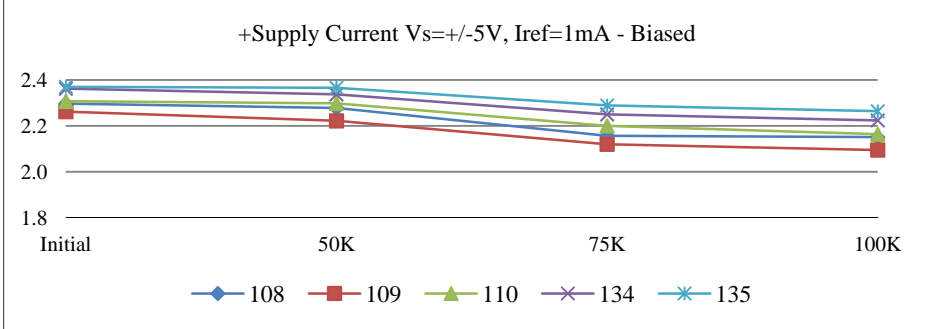
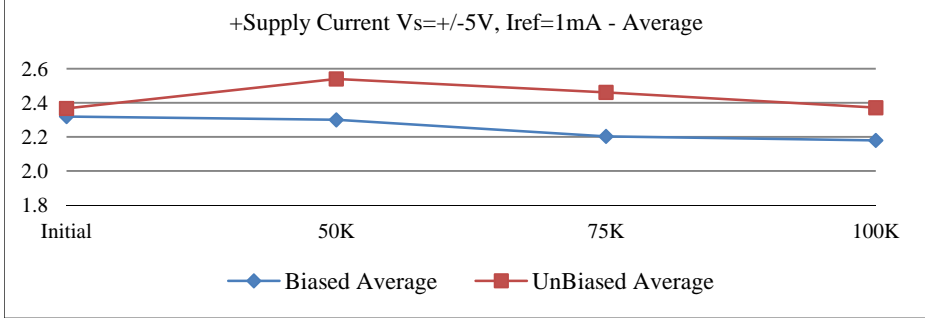
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		SN	Initial	50K	75K	100K	Limit
Control	113		2.3740	2.3660	2.3300	2.3510	<4
	144		2.4720	2.4700	2.4230	2.4340	
Biased	108		2.3630	2.3290	2.2330	2.1980	
	109		2.3140	2.2680	2.1720	2.1590	
	110		2.3650	2.3640	2.2590	2.2340	
	134		2.4190	2.3860	2.2910	2.2760	
	135		2.4470	2.4340	2.3450	2.3030	
	Min		2.3140	2.2680	2.1720	2.1590	
	Max		2.4470	2.4340	2.3450	2.3030	
	Average		2.3816	2.3562	2.2600	2.2340	
UnBiased	111		2.3650	2.5700	2.5250	2.5580	
	112		2.3480	2.5390	2.4950	2.5380	
	137		2.4990	2.6380	2.5950	2.6290	
	141		2.4810	2.6340	2.5810	2.6170	
	143		2.4670	2.6120	2.5640	2.6090	
	Min		2.3480	2.5390	2.4950	2.5380	
	Max		2.4990	2.6380	2.5950	2.6290	
	Average		2.4320	2.5986	2.5520	2.5902	



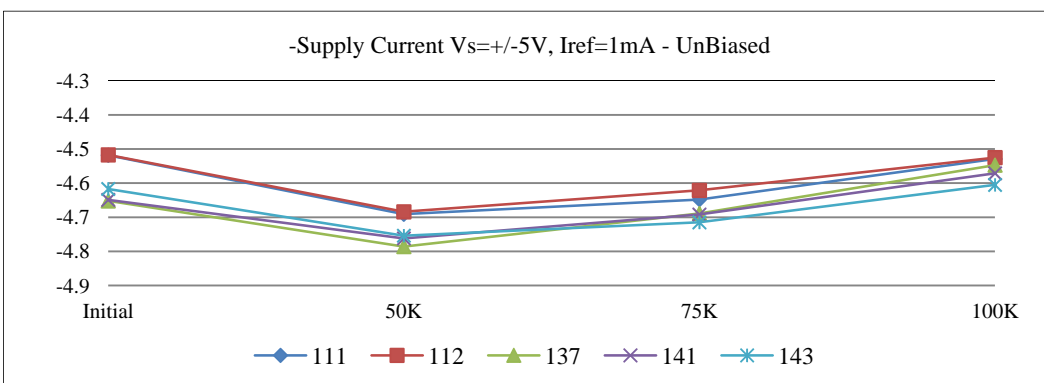
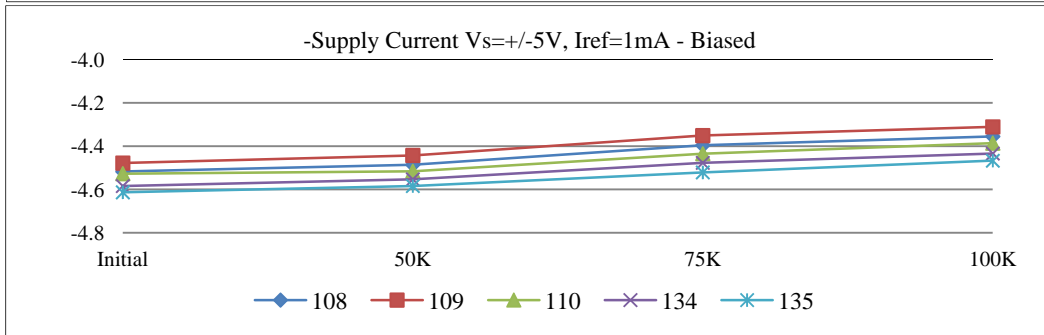
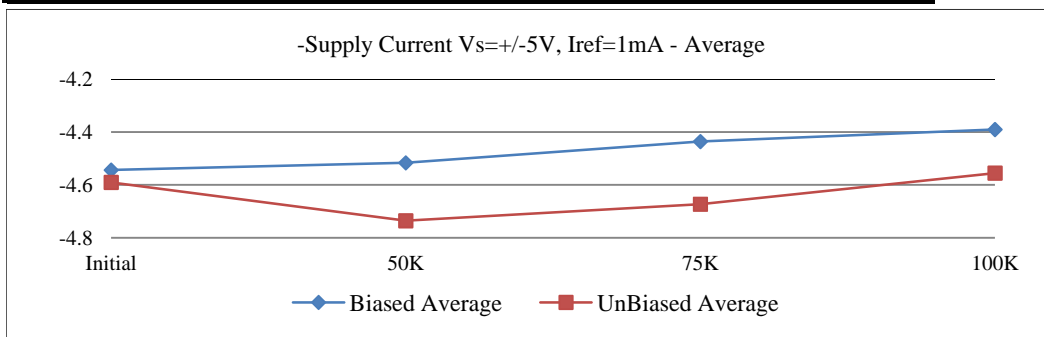
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		SN	Initial	50K	75K	100K	Limit
Control	113	-6.6980	-6.6860	-6.5760	-6.5690		>-8
	144	-6.7990	-6.7860	-6.6780	-6.6720		
Biased	108	-6.6750	-6.6290	-6.4690	-6.4110		
	109	-6.6250	-6.5810	-6.4070	-6.3650		
	110	-6.6830	-6.6740	-6.4970	-6.4550		
	134	-6.7360	-6.6880	-6.5420	-6.4840		
	135	-6.7700	-6.7420	-6.5850	-6.5380		
	Min	-6.7700	-6.7420	-6.5850	-6.5380		
	Max	-6.6250	-6.5810	-6.4070	-6.3650		
	Average	-6.6978	-6.6628	-6.5000	-6.4506		
UnBiased	111	-6.6750	-6.8510	-6.7440	-6.7400		
	112	-6.6710	-6.8290	-6.7270	-6.7370		
	137	-6.8100	-6.9370	-6.8150	-6.8100		
	141	-6.7930	-6.9190	-6.8120	-6.8080		
	143	-6.7660	-6.9080	-6.8000	-6.8050		
	Min	-6.8100	-6.9370	-6.8150	-6.8100		
	Max	-6.6710	-6.8290	-6.7270	-6.7370		
	Average	-6.7430	-6.8888	-6.7796	-6.7800		



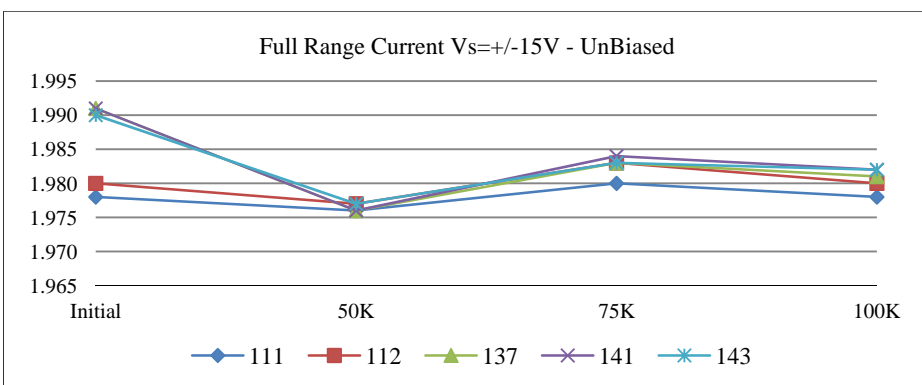
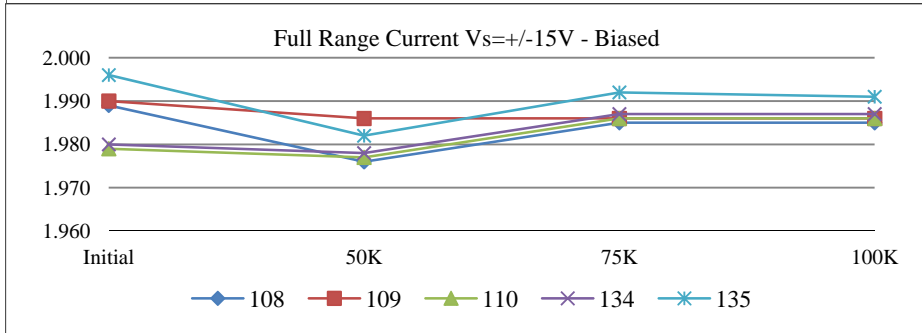
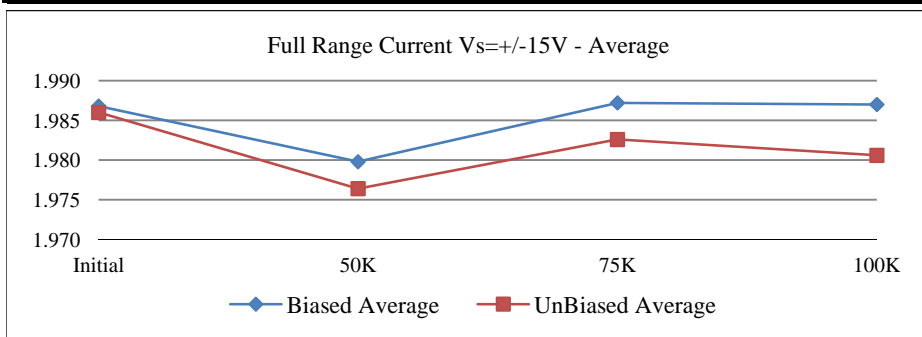
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		SN	Initial	50K	75K	100K	Limit
Control	113		2.3360	2.3200	2.2790	2.2950	<4
	144		2.4110	2.4000	2.3570	2.3660	
Biased	108		2.2970	2.2780	2.1570	2.1510	
	109		2.2620	2.2220	2.1200	2.0950	
	110		2.3070	2.2980	2.2000	2.1640	
	134		2.3620	2.3370	2.2500	2.2240	
	135		2.3700	2.3660	2.2890	2.2640	
	Min		2.2620	2.2220	2.1200	2.0950	
	Max		2.3700	2.3660	2.2890	2.2640	
	Average		2.3196	2.3002	2.2032	2.1796	
UnBiased	111		2.3010	2.5020	2.4270	2.3460	
	112		2.2940	2.4950	2.4200	2.3560	
	137		2.4310	2.5710	2.4690	2.3640	
	141		2.4180	2.5700	2.4930	2.3660	
	143		2.3910	2.5610	2.4960	2.4260	
	Min		2.2940	2.4950	2.4200	2.3460	
	Max		2.4310	2.5710	2.4960	2.4260	
	Average		2.3670	2.5398	2.4610	2.3716	



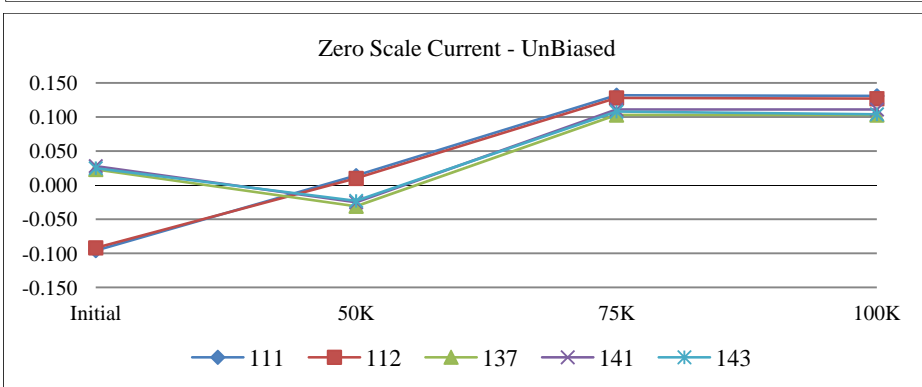
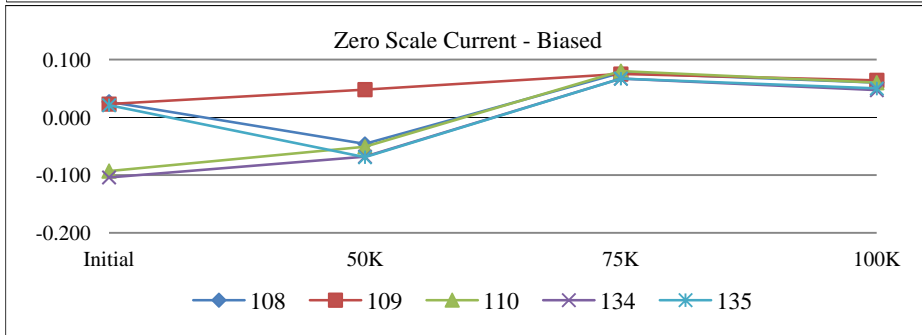
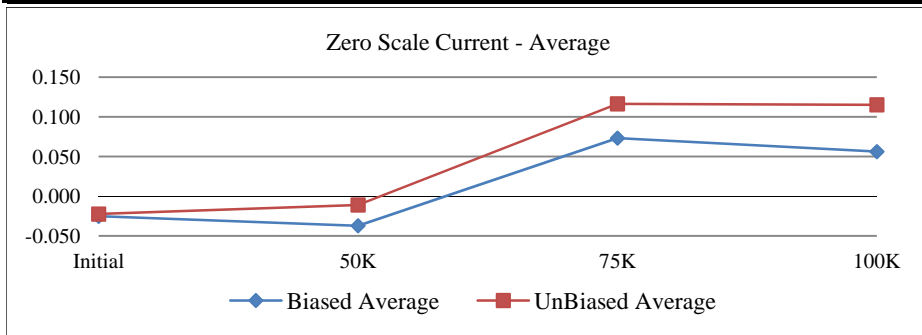
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		SN	Initial	50K	75K	100K	Limit
Control	113	-4.5500	-4.5430	-4.5210	-4.5130		>-8
	144	-4.6420	-4.6420	-4.5890	-4.5830		
Biased	108	-4.5170	-4.4860	-4.3960	-4.3550		
	109	-4.4780	-4.4430	-4.3510	-4.3110		
	110	-4.5270	-4.5160	-4.4350	-4.3860		
	134	-4.5840	-4.5530	-4.4770	-4.4340		
	135	-4.6130	-4.5840	-4.5210	-4.4670		
	Min	-4.6130	-4.5840	-4.5210	-4.4670		
	Max	-4.4780	-4.4430	-4.3510	-4.3110		
	Average	-4.5438	-4.5164	-4.4360	-4.3906		
UnBiased	111	-4.5180	-4.6910	-4.6480	-4.5290		
	112	-4.5170	-4.6840	-4.6210	-4.5250		
	137	-4.6520	-4.7860	-4.6890	-4.5470		
	141	-4.6490	-4.7620	-4.6920	-4.5710		
	143	-4.6170	-4.7540	-4.7150	-4.6050		
	Min	-4.6520	-4.7860	-4.7150	-4.6050		
	Max	-4.5170	-4.6840	-4.6210	-4.5250		
	Average	-4.5906	-4.7354	-4.6730	-4.5554		



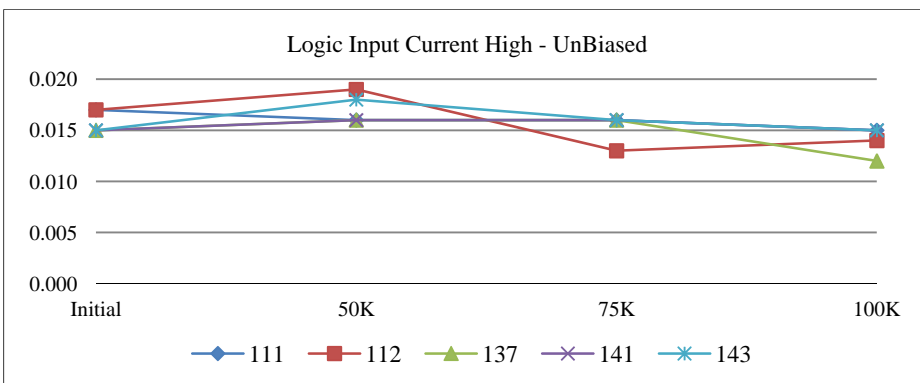
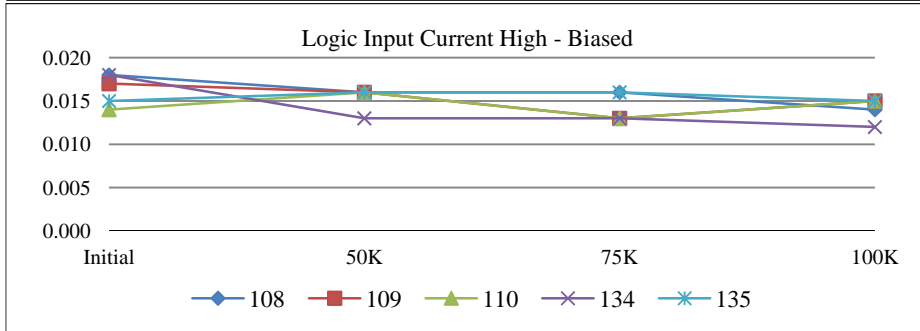
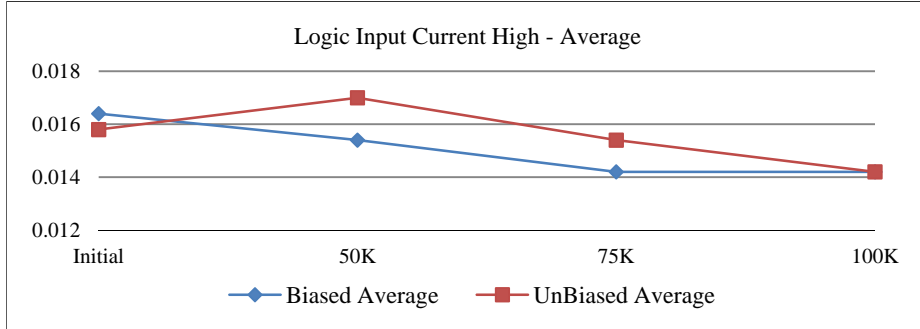
T#8		IFR4, Vs=+-15V				mA
SN		Initial	50K	75K	100K	Limit
Control	113	1.9820	1.9930	1.9930	1.9930	>1.97
	144	1.9960	1.9960	1.9960	1.9960	<2.0
Biased	108	1.9890	1.9760	1.9850	1.9850	
	109	1.9900	1.9860	1.9860	1.9860	
	110	1.9790	1.9770	1.9860	1.9860	
	134	1.9800	1.9780	1.9870	1.9870	
	135	1.9960	1.9820	1.9920	1.9910	
	Min	1.9790	1.9760	1.9850	1.9850	
	Max	1.9960	1.9860	1.9920	1.9910	
	Average	1.9868	1.9798	1.9872	1.9870	
UnBiased	111	1.9780	1.9760	1.9800	1.9780	
	112	1.9800	1.9770	1.9830	1.9800	
	137	1.9910	1.9760	1.9830	1.9810	
	141	1.9910	1.9760	1.9840	1.9820	
	143	1.9900	1.9770	1.9830	1.9820	
	Min	1.9780	1.9760	1.9800	1.9780	
	Max	1.9910	1.9770	1.9840	1.9820	
	Average	1.9860	1.9764	1.9826	1.9806	



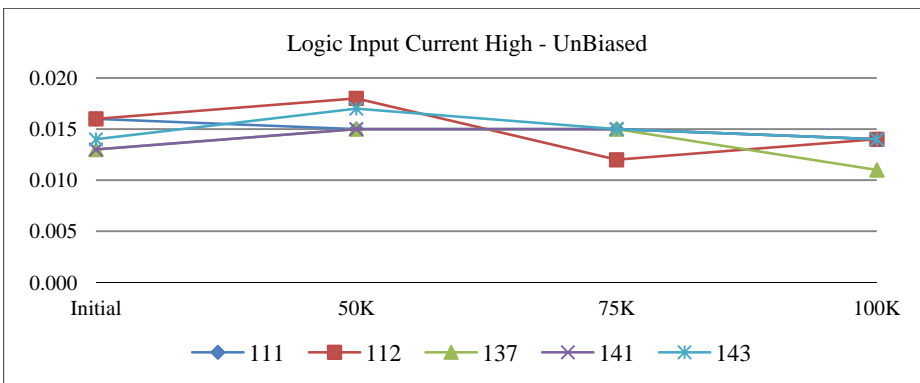
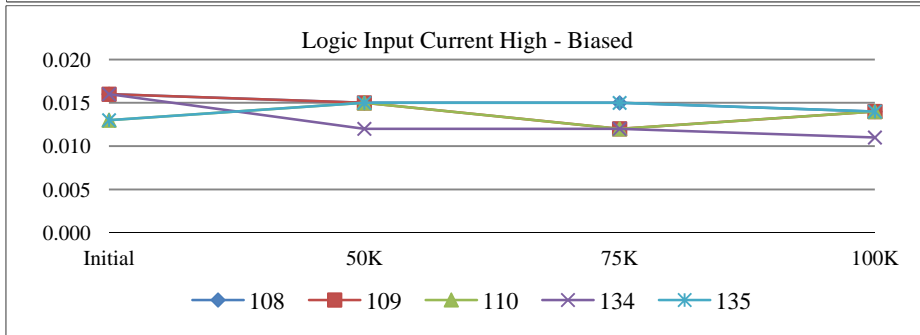
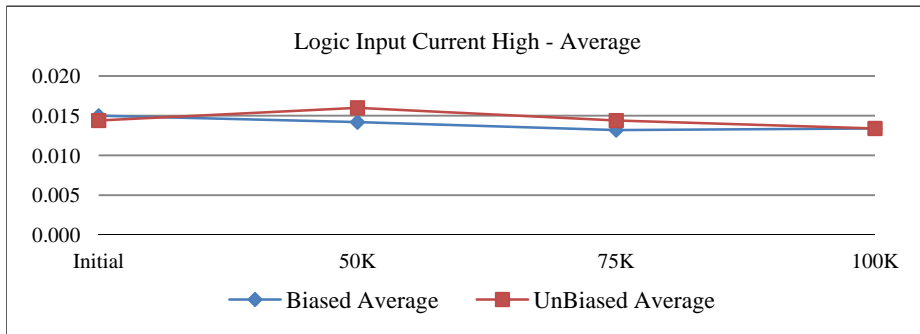
	T#9	IZS				uA
	SN	Initial	50K	75K	100K	Limit
Control	113	-0.1000	0.0110	0.0450	0.0270	<2
	144	0.0260	0.0180	0.0420	0.0230	
Biased	108	0.0270	-0.0460	0.0770	0.0600	
	109	0.0230	0.0480	0.0750	0.0640	
	110	-0.0930	-0.0510	0.0800	0.0600	
	134	-0.1040	-0.0680	0.0670	0.0470	
	135	0.0210	-0.0690	0.0670	0.0500	
	Min	-0.1040	-0.0690	0.0670	0.0470	
	Max	0.0270	0.0480	0.0800	0.0640	
	Average	-0.0252	-0.0372	0.0732	0.0562	
UnBiased	111	-0.0960	0.0140	0.1320	0.1310	
	112	-0.0920	0.0100	0.1280	0.1270	
	137	0.0230	-0.0310	0.1030	0.1030	
	141	0.0280	-0.0250	0.1110	0.1110	
	143	0.0250	-0.0230	0.1080	0.1040	
	Min	-0.0960	-0.0310	0.1030	0.1030	
	Max	0.0280	0.0140	0.1320	0.1310	
	Average	-0.0224	-0.0110	0.1164	0.1152	



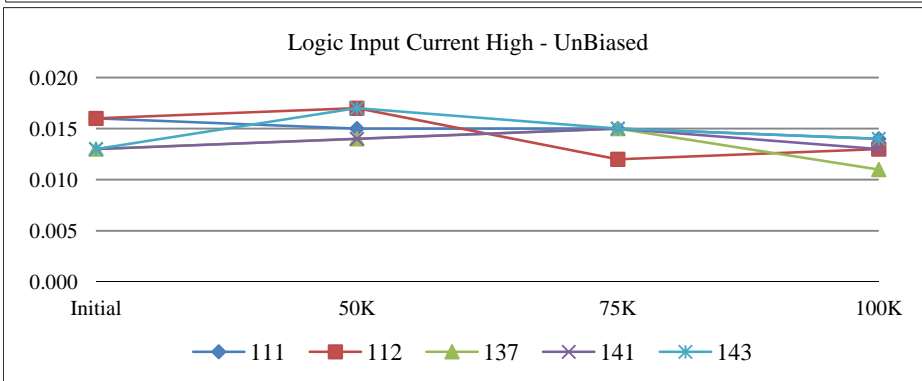
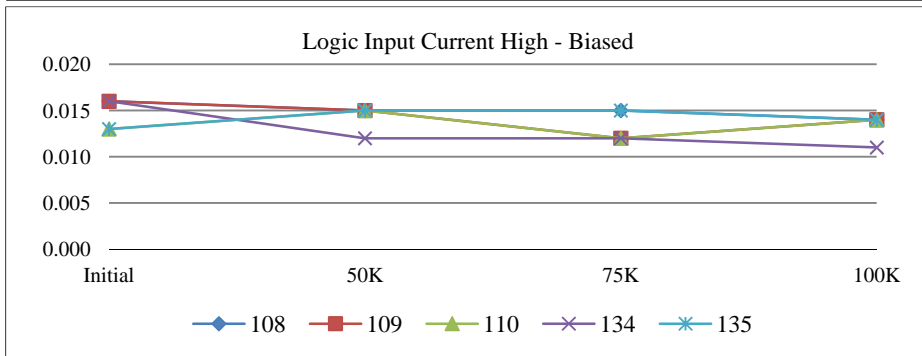
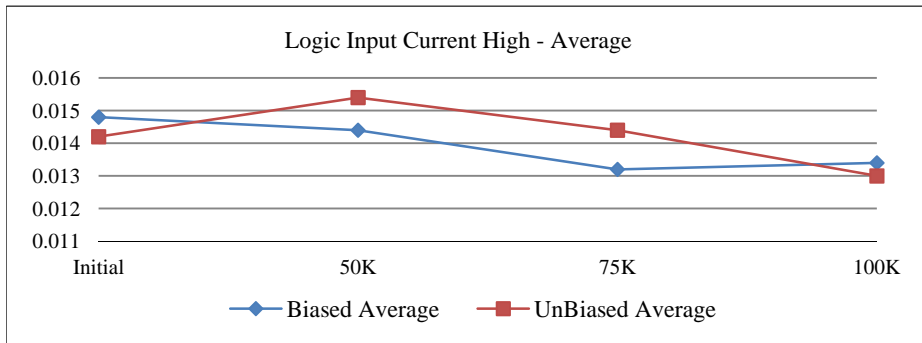
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SN		Initial	50K	75K	100K	Limit
Control	113	0.0150	0.0160	0.0120	0.0140	<10
	144	0.0150	0.0160	0.0150	0.0140	
Biased	108	0.0180	0.0160	0.0160	0.0140	
	109	0.0170	0.0160	0.0130	0.0150	
	110	0.0140	0.0160	0.0130	0.0150	
	134	0.0180	0.0130	0.0130	0.0120	
	135	0.0150	0.0160	0.0160	0.0150	
	Min	0.0140	0.0130	0.0130	0.0120	
	Max	0.0180	0.0160	0.0160	0.0150	
Average	0.0164	0.0154	0.0142	0.0142		
UnBiased	111	0.0170	0.0160	0.0160	0.0150	
	112	0.0170	0.0190	0.0130	0.0140	
	137	0.0150	0.0160	0.0160	0.0120	
	141	0.0150	0.0160	0.0160	0.0150	
	143	0.0150	0.0180	0.0160	0.0150	
	Min	0.0150	0.0160	0.0130	0.0120	
	Max	0.0170	0.0190	0.0160	0.0150	
Average	0.0158	0.0170	0.0154	0.0142		



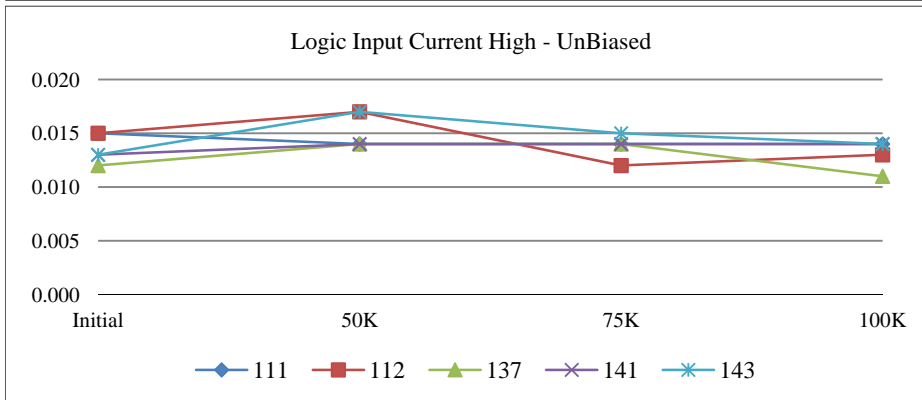
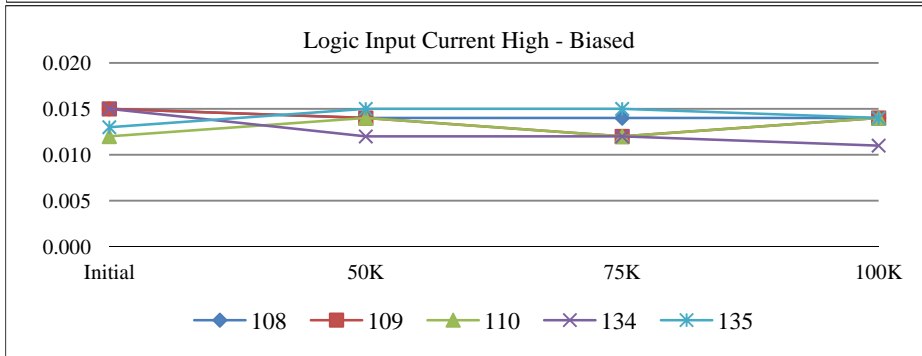
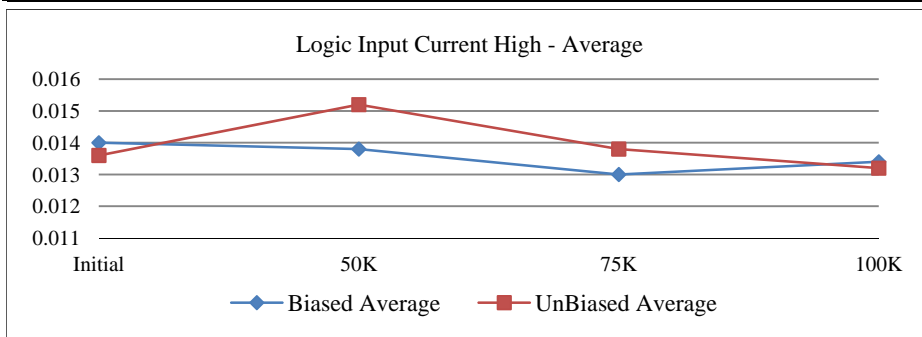
T#11		IIH VL=18V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	0.0130	0.0140	0.0110	0.0130	<10
	144	0.0140	0.0140	0.0150	0.0130	
Biased	108	0.0160	0.0150	0.0150	0.0140	
	109	0.0160	0.0150	0.0120	0.0140	
	110	0.0130	0.0140	0.0120	0.0140	
	134	0.0160	0.0120	0.0120	0.0110	
	135	0.0140	0.0150	0.0150	0.0140	
	Min	0.0130	0.0120	0.0120	0.0110	
	Max	0.0160	0.0150	0.0150	0.0140	
	Average	0.0150	0.0142	0.0132	0.0134	
UnBiased	111	0.0160	0.0150	0.0150	0.0140	
	112	0.0160	0.0180	0.0120	0.0140	
	137	0.0130	0.0150	0.0150	0.0110	
	141	0.0130	0.0150	0.0150	0.0140	
	143	0.0140	0.0170	0.0150	0.0140	
	Min	0.0130	0.0150	0.0120	0.0110	
	Max	0.0160	0.0180	0.0150	0.0140	
	Average	0.0144	0.0160	0.0144	0.0134	



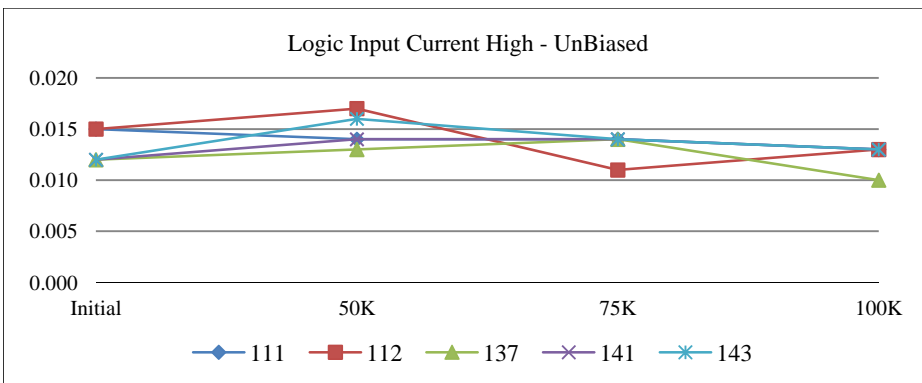
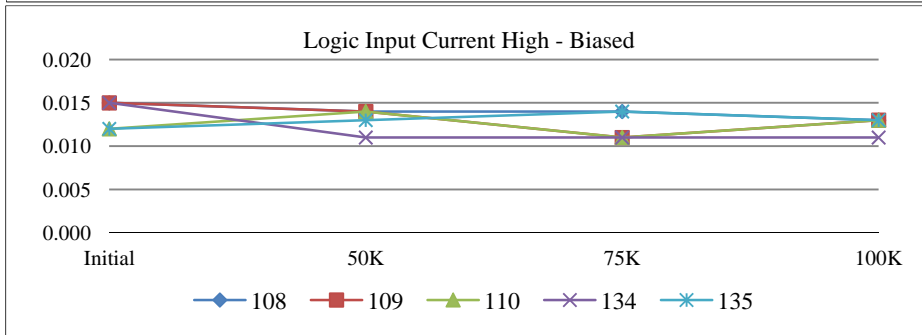
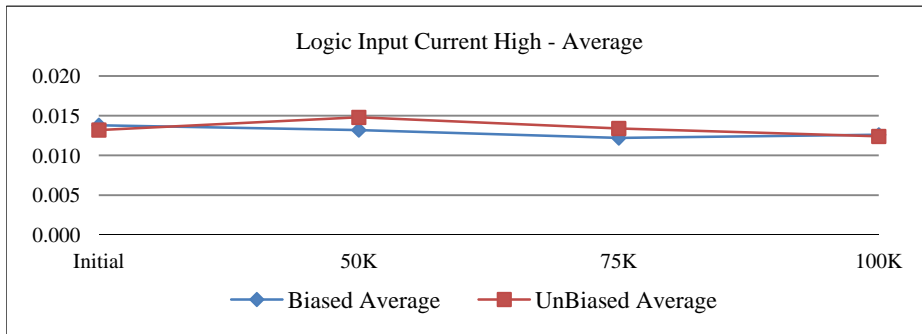
T#12		IIH VL=18V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	0.0130	0.0140	0.0110	0.0130	<10
	144	0.0130	0.0140	0.0140	0.0130	
Biased	108	0.0160	0.0150	0.0150	0.0140	
	109	0.0160	0.0150	0.0120	0.0140	
	110	0.0130	0.0150	0.0120	0.0140	
	134	0.0160	0.0120	0.0120	0.0110	
	135	0.0130	0.0150	0.0150	0.0140	
	Min	0.0130	0.0120	0.0120	0.0110	
	Max	0.0160	0.0150	0.0150	0.0140	
	Average	0.0148	0.0144	0.0132	0.0134	
UnBiased	111	0.0160	0.0150	0.0150	0.0140	
	112	0.0160	0.0170	0.0120	0.0130	
	137	0.0130	0.0140	0.0150	0.0110	
	141	0.0130	0.0140	0.0150	0.0130	
	143	0.0130	0.0170	0.0150	0.0140	
	Min	0.0130	0.0140	0.0120	0.0110	
	Max	0.0160	0.0170	0.0150	0.0140	
	Average	0.0142	0.0154	0.0144	0.0130	



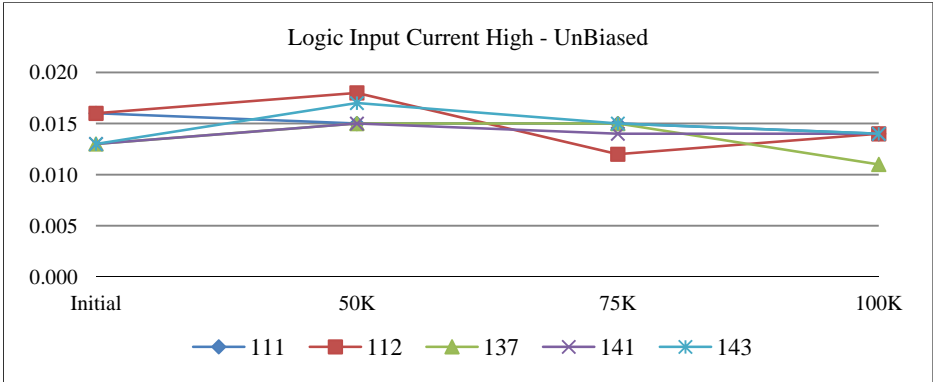
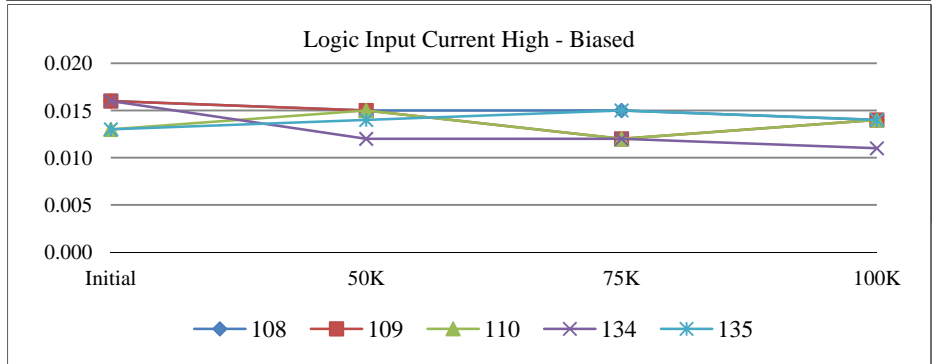
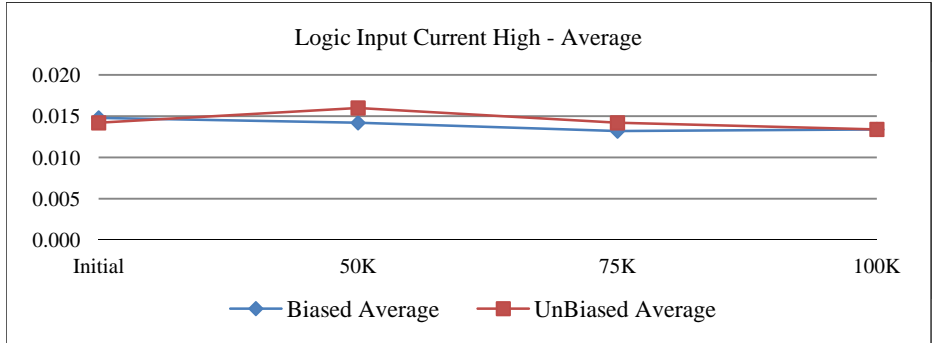
T#13		IIH VL=18V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	0.0120	0.0140	0.0110	0.0130	<10
	144	0.0130	0.0140	0.0140	0.0130	
Biased	108	0.0150	0.0140	0.0140	0.0140	
	109	0.0150	0.0140	0.0120	0.0140	
	110	0.0120	0.0140	0.0120	0.0140	
	134	0.0150	0.0120	0.0120	0.0110	
	135	0.0130	0.0150	0.0150	0.0140	
	Min	0.0120	0.0120	0.0120	0.0110	
	Max	0.0150	0.0150	0.0150	0.0140	
Average	0.0140	0.0138	0.0130	0.0134		
UnBiased	111	0.0150	0.0140	0.0140	0.0140	
	112	0.0150	0.0170	0.0120	0.0130	
	137	0.0120	0.0140	0.0140	0.0110	
	141	0.0130	0.0140	0.0140	0.0140	
	143	0.0130	0.0170	0.0150	0.0140	
	Min	0.0120	0.0140	0.0120	0.0110	
	Max	0.0150	0.0170	0.0150	0.0140	
	Average	0.0136	0.0152	0.0138	0.0132	



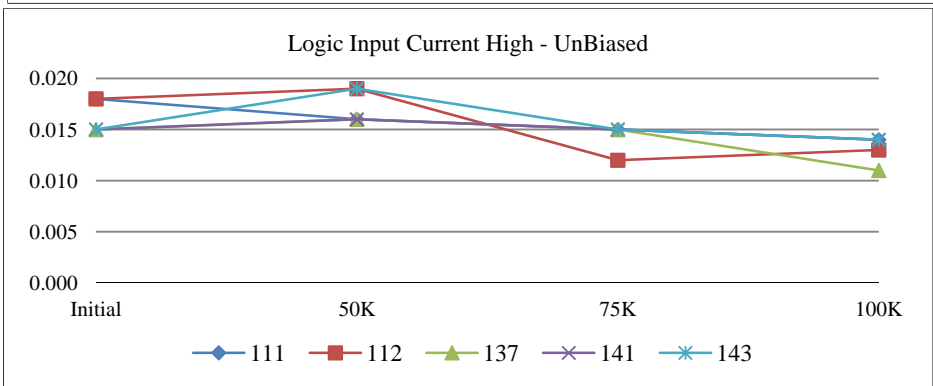
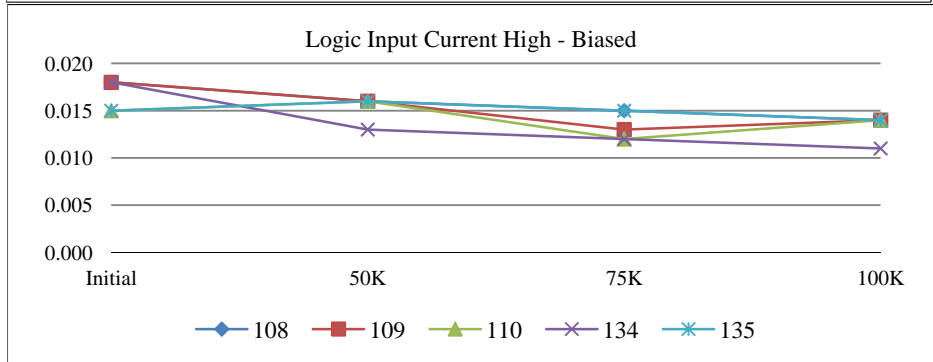
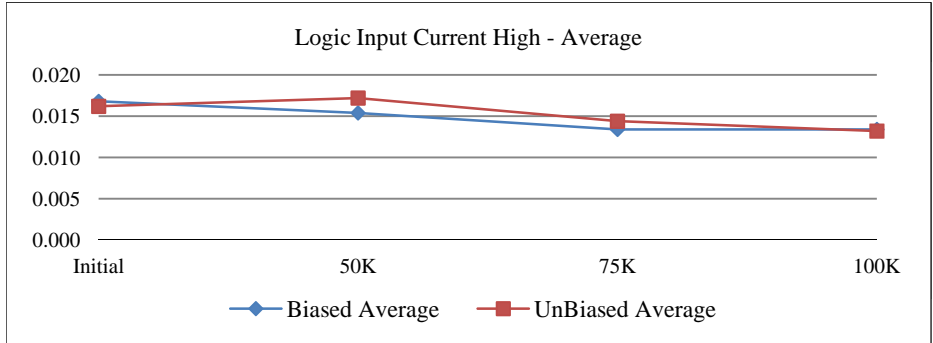
T#14		IIH VL=18V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	0.0120	0.0130	0.0100	0.0120	<10
	144	0.0120	0.0130	0.0130	0.0130	
Biased	108	0.0150	0.0140	0.0140	0.0130	
	109	0.0150	0.0140	0.0110	0.0130	
	110	0.0120	0.0140	0.0110	0.0130	
	134	0.0150	0.0110	0.0110	0.0110	
	135	0.0120	0.0130	0.0140	0.0130	
	Min	0.0120	0.0110	0.0110	0.0110	
	Max	0.0150	0.0140	0.0140	0.0130	
	Average	0.0138	0.0132	0.0122	0.0126	
UnBiased	111	0.0150	0.0140	0.0140	0.0130	
	112	0.0150	0.0170	0.0110	0.0130	
	137	0.0120	0.0130	0.0140	0.0100	
	141	0.0120	0.0140	0.0140	0.0130	
	143	0.0120	0.0160	0.0140	0.0130	
	Min	0.0120	0.0130	0.0110	0.0100	
	Max	0.0150	0.0170	0.0140	0.0130	
	Average	0.0132	0.0148	0.0134	0.0124	



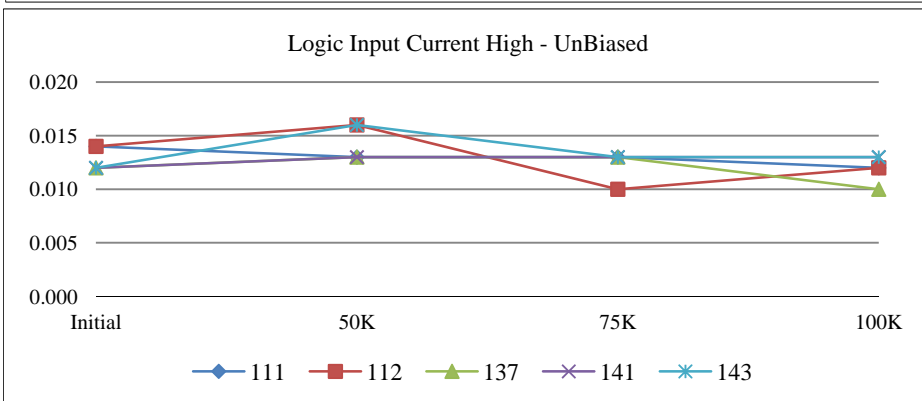
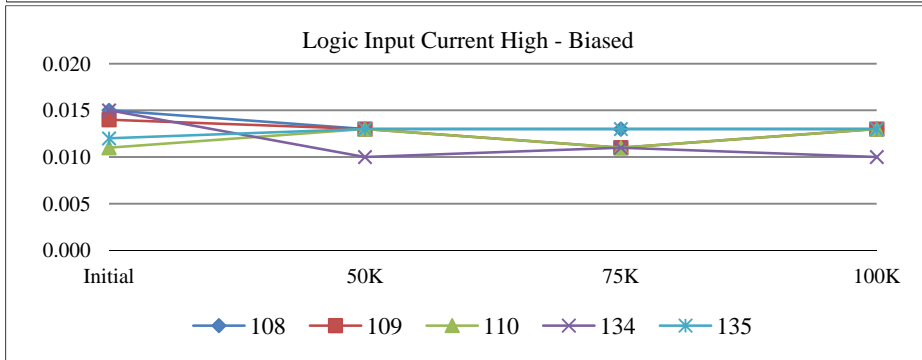
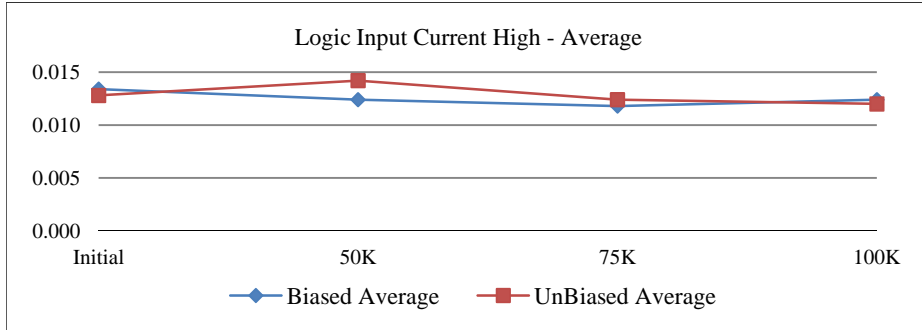
T#15		IIH VL=18V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	0.0130	0.0140	0.0110	0.0130	<10
	144	0.0130	0.0140	0.0140	0.0130	
Biased	108	0.0160	0.0150	0.0150	0.0140	
	109	0.0160	0.0150	0.0120	0.0140	
	110	0.0130	0.0150	0.0120	0.0140	
	134	0.0160	0.0120	0.0120	0.0110	
	135	0.0130	0.0140	0.0150	0.0140	
	Min	0.0130	0.0120	0.0120	0.0110	
	Max	0.0160	0.0150	0.0150	0.0140	
	Average	0.0148	0.0142	0.0132	0.0134	
UnBiased	111	0.0160	0.0150	0.0150	0.0140	
	112	0.0160	0.0180	0.0120	0.0140	
	137	0.0130	0.0150	0.0150	0.0110	
	141	0.0130	0.0150	0.0140	0.0140	
	143	0.0130	0.0170	0.0150	0.0140	
	Min	0.0130	0.0150	0.0120	0.0110	
	Max	0.0160	0.0180	0.0150	0.0140	
	Average	0.0142	0.0160	0.0142	0.0134	



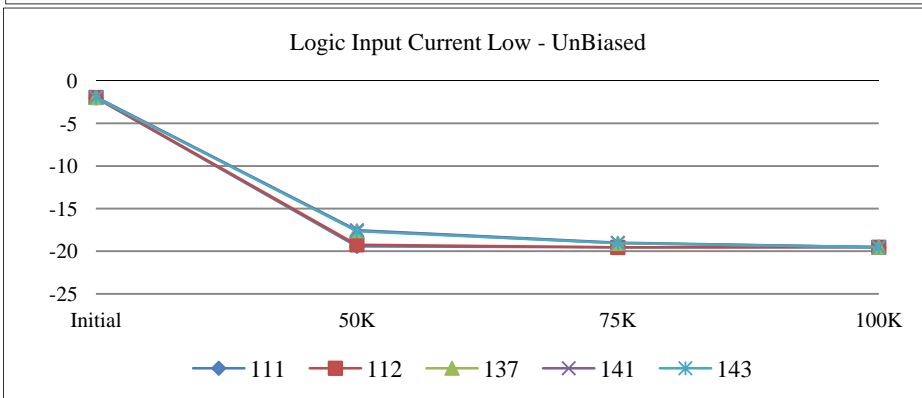
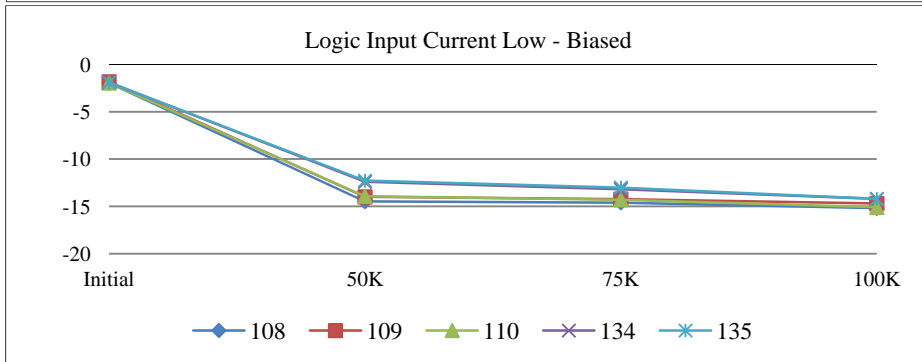
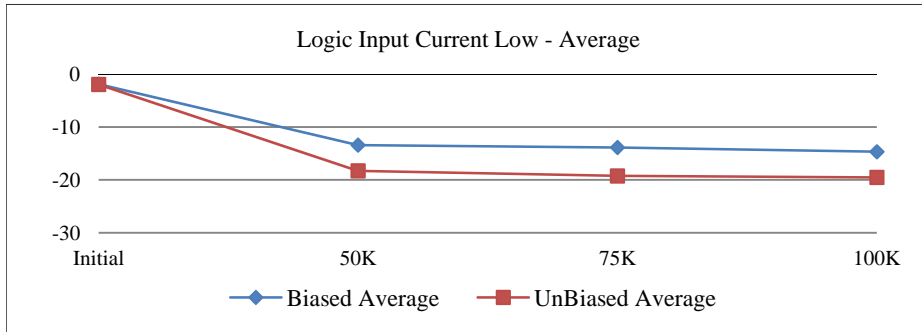
T#16		IIH VL=18V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	0.0150	0.0150	0.0120	0.0130	<10
	144	0.0160	0.0160	0.0140	0.0130	
Biased	108	0.0180	0.0160	0.0150	0.0140	
	109	0.0180	0.0160	0.0130	0.0140	
	110	0.0150	0.0160	0.0120	0.0140	
	134	0.0180	0.0130	0.0120	0.0110	
	135	0.0150	0.0160	0.0150	0.0140	
	Min	0.0150	0.0130	0.0120	0.0110	
	Max	0.0180	0.0160	0.0150	0.0140	
	Average	0.0168	0.0154	0.0134	0.0134	
UnBiased	111	0.0180	0.0160	0.0150	0.0140	
	112	0.0180	0.0190	0.0120	0.0130	
	137	0.0150	0.0160	0.0150	0.0110	
	141	0.0150	0.0160	0.0150	0.0140	
	143	0.0150	0.0190	0.0150	0.0140	
	Min	0.0150	0.0160	0.0120	0.0110	
	Max	0.0180	0.0190	0.0150	0.0140	
	Average	0.0162	0.0172	0.0144	0.0132	



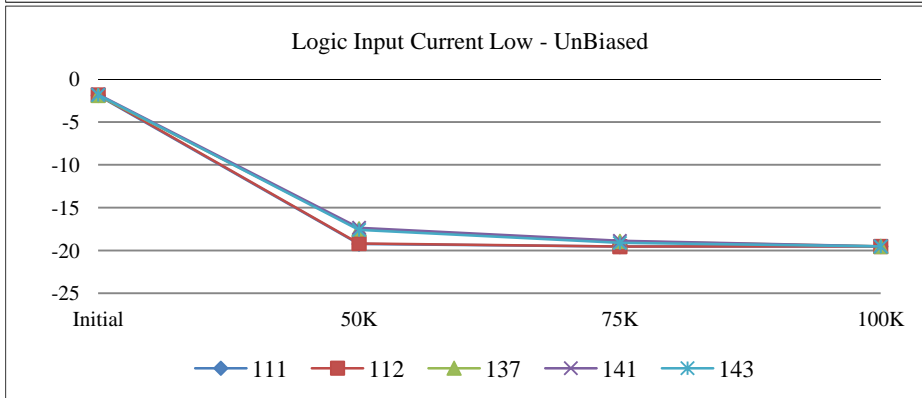
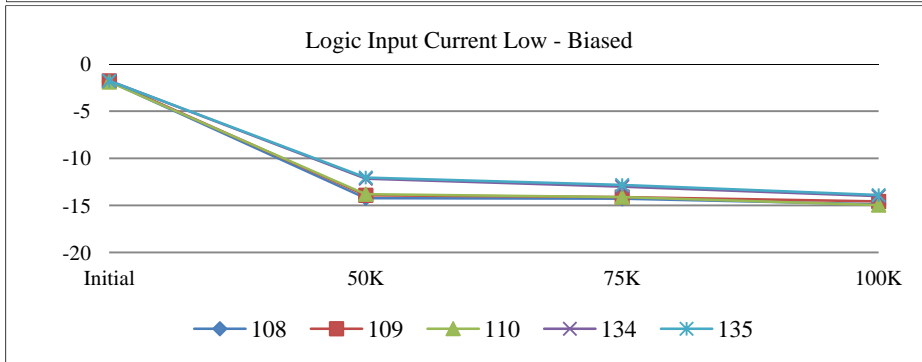
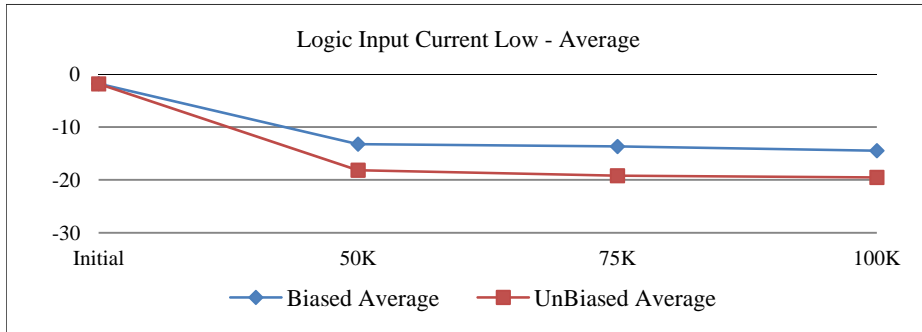
T#17		IIH VL=18V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	0.0120	0.0130	0.0100	0.0120	<10
	144	0.0120	0.0130	0.0130	0.0120	
Biased	108	0.0150	0.0130	0.0130	0.0130	
	109	0.0140	0.0130	0.0110	0.0130	
	110	0.0110	0.0130	0.0110	0.0130	
	134	0.0150	0.0100	0.0110	0.0100	
	135	0.0120	0.0130	0.0130	0.0130	
	Min	0.0110	0.0100	0.0110	0.0100	
	Max	0.0150	0.0130	0.0130	0.0130	
	Average	0.0134	0.0124	0.0118	0.0124	
UnBiased	111	0.0140	0.0130	0.0130	0.0120	
	112	0.0140	0.0160	0.0100	0.0120	
	137	0.0120	0.0130	0.0130	0.0100	
	141	0.0120	0.0130	0.0130	0.0130	
	143	0.0120	0.0160	0.0130	0.0130	
	Min	0.0120	0.0130	0.0100	0.0100	
	Max	0.0140	0.0160	0.0130	0.0130	
	Average	0.0128	0.0142	0.0124	0.0120	



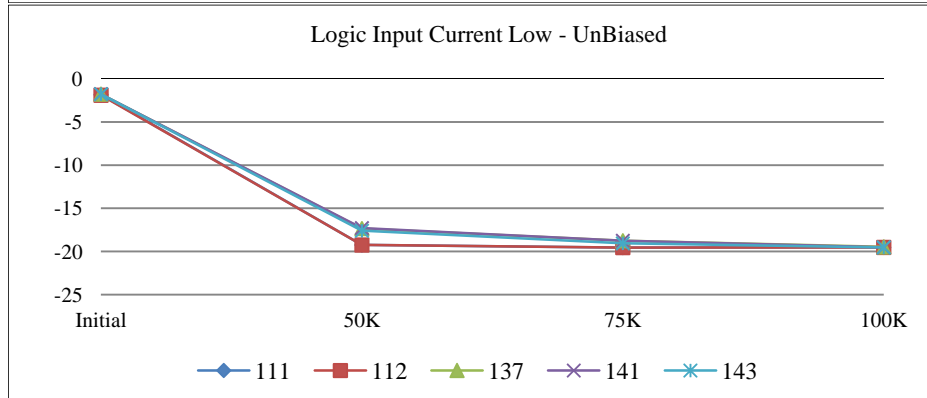
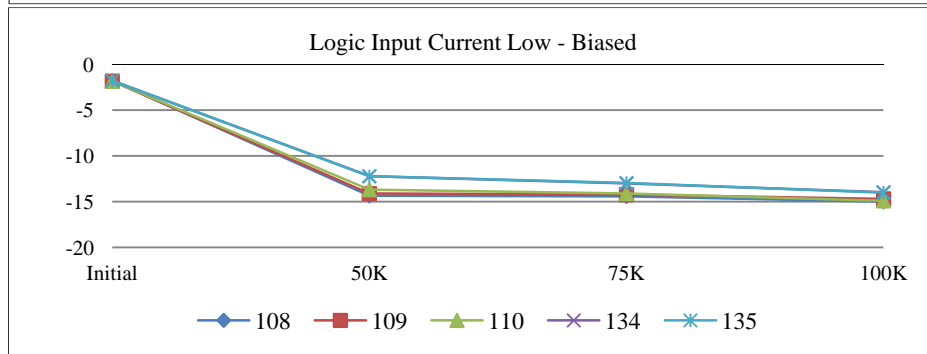
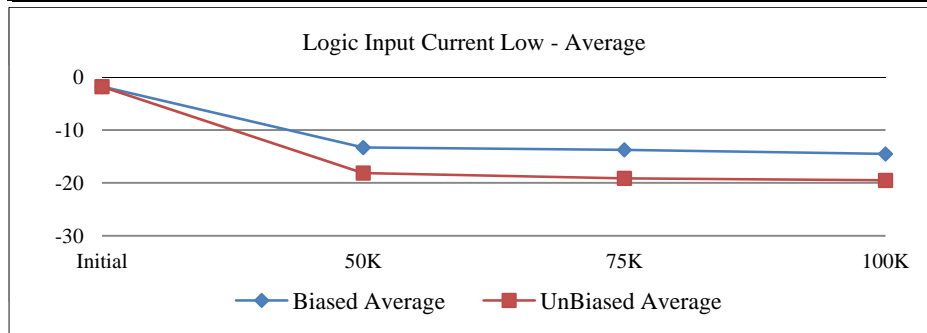
T#18		IIL VL=-10V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	-1.7720	-1.7110	-1.7160	-1.6880	>-30
	144	-1.8940	-1.8940	-1.8960	-1.8770	
Biased	108	-1.9580	-14.4800	-14.6020	-15.1900	
	109	-1.8330	-13.9880	-14.2360	-14.7010	
	110	-1.9550	-13.9300	-14.2970	-15.0900	
	134	-1.8940	-12.4030	-13.1950	-14.2100	
	135	-1.8990	-12.2840	-13.0140	-14.2100	
	Min	-1.9580	-14.4800	-14.6020	-15.1900	
	Max	-1.8330	-12.2840	-13.0140	-14.2100	
Average	-1.9078	-13.4170	-13.8688	-14.6802		
UnBiased	111	-2.0160	-19.4250	-19.5490	-19.5240	
	112	-1.9550	-19.2420	-19.5490	-19.5290	
	137	-1.9550	-17.5920	-19.0610	-19.5260	
	141	-1.8970	-17.5310	-18.9990	-19.5210	
	143	-1.9550	-17.6540	-19.0580	-19.5260	
	Min	-2.0160	-19.4250	-19.5490	-19.5290	
	Max	-1.8970	-17.5310	-18.9990	-19.5210	
	Average	-1.9556	-18.2888	-19.2432	-19.5252	



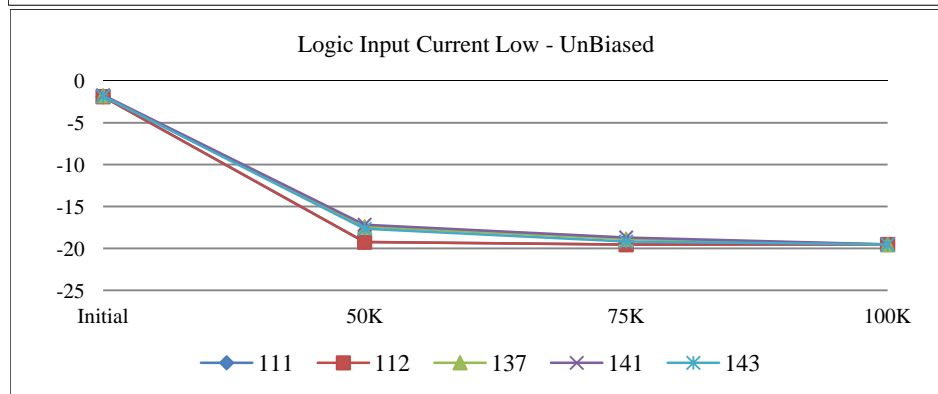
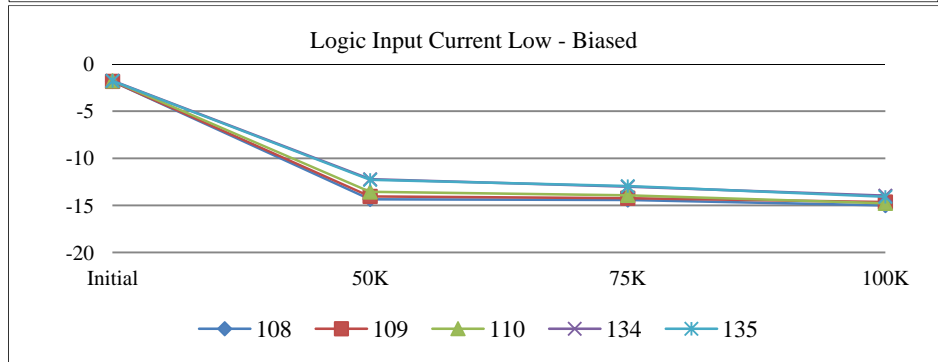
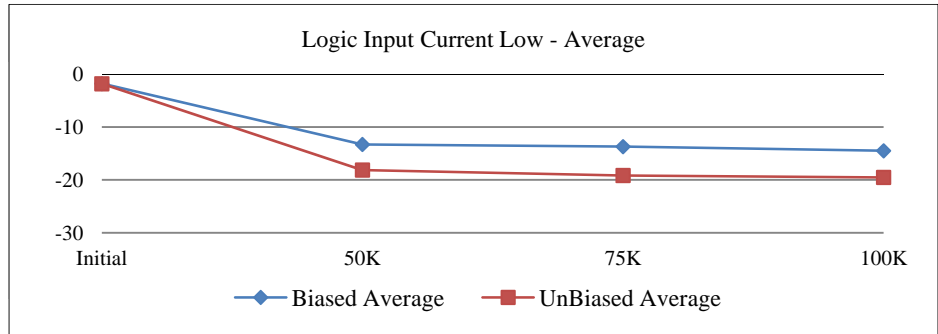
T#19	IIL VL=-10V				uA	
SN	Initial	50K	75K	100K	Limit	
Control	113	-1.5880	-1.5890	-1.5330	-1.5660	>-30
	144	-1.7720	-1.7720	-1.7740	-1.7550	
Biased	108	-1.8350	-14.2360	-14.2970	-14.8840	
	109	-1.7720	-13.9270	-14.1140	-14.5790	
	110	-1.8940	-13.8080	-14.1140	-14.9680	
	134	-1.7720	-12.1590	-13.0120	-14.0260	
	135	-1.7770	-12.0390	-12.8310	-13.9040	
	Min	-1.8940	-14.2360	-14.2970	-14.9680	
	Max	-1.7720	-12.0390	-12.8310	-13.9040	
Average	-1.8100	-13.2338	-13.6736	-14.4722		
UnBiased	111	-1.8940	-19.2420	-19.5490	-19.5240	
	112	-1.8330	-19.1810	-19.5490	-19.5290	
	137	-1.8940	-17.4700	-18.9380	-19.5260	
	141	-1.7740	-17.3480	-18.8770	-19.5210	
	143	-1.8330	-17.5920	-19.1190	-19.5260	
	Min	-1.8940	-19.2420	-19.5490	-19.5290	
	Max	-1.7740	-17.3480	-18.8770	-19.5210	
	Average	-1.8456	-18.1666	-19.2064	-19.5252	



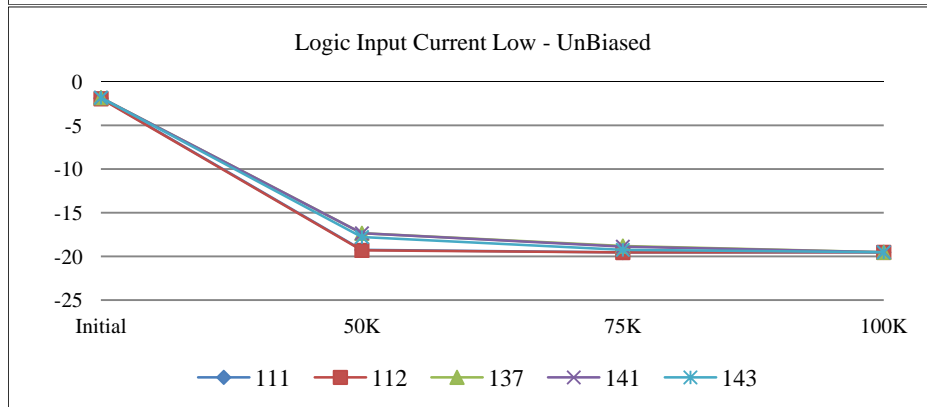
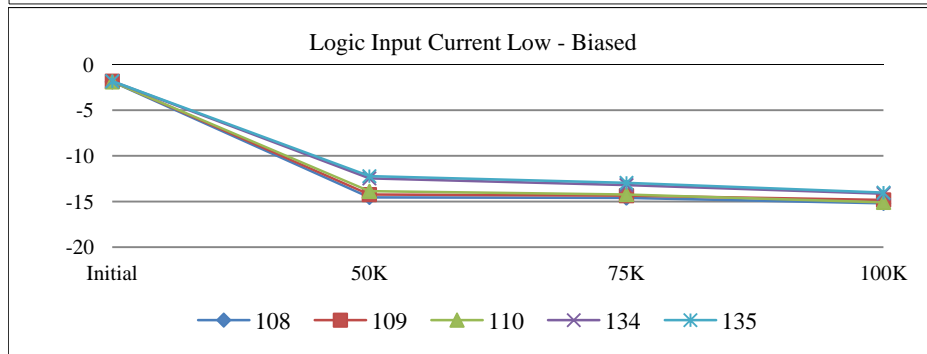
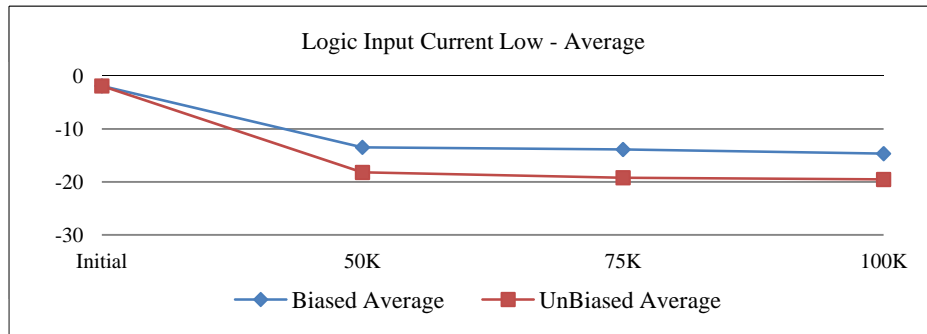
T#20		IIL VL=-10V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	-1.7720	-1.7110	-1.7160	-1.6880	>-30
	144	-1.7110	-1.7110	-1.7130	-1.6940	
Biased	108	-1.7740	-14.3580	-14.4190	-15.0070	
	109	-1.8330	-14.1110	-14.2360	-14.7010	
	110	-1.8330	-13.6860	-14.1140	-14.9070	
	134	-1.7720	-12.2200	-13.0120	-13.9650	
	135	-1.7770	-12.2230	-12.9530	-14.0260	
	Min	-1.8330	-14.3580	-14.4190	-15.0070	
	Max	-1.7720	-12.2200	-12.9530	-13.9650	
Average	-1.7978	-13.3196	-13.7468	-14.5212		
UnBiased	111	-1.8330	-19.2420	-19.5490	-19.5240	
	112	-1.8940	-19.2420	-19.5490	-19.5290	
	137	-1.7720	-17.3480	-18.7550	-19.4650	
	141	-1.7740	-17.2870	-18.7550	-19.5210	
	143	-1.7720	-17.5920	-19.0580	-19.5260	
	Min	-1.8940	-19.2420	-19.5490	-19.5290	
	Max	-1.7720	-17.2870	-18.7550	-19.4650	
	Average	-1.8090	-18.1422	-19.1332	-19.5130	



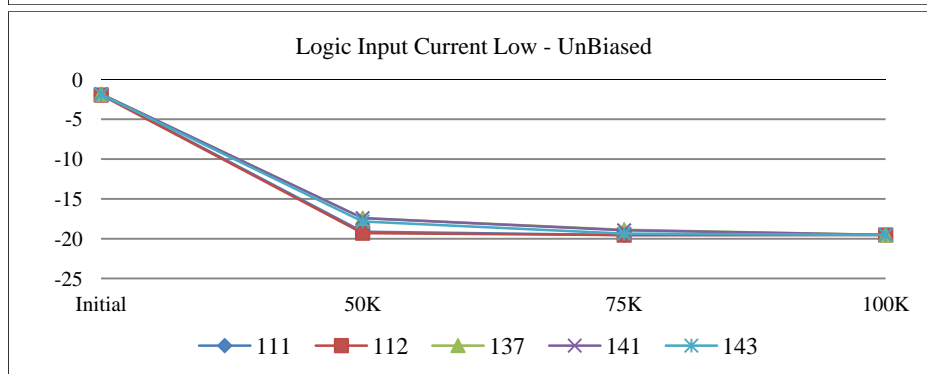
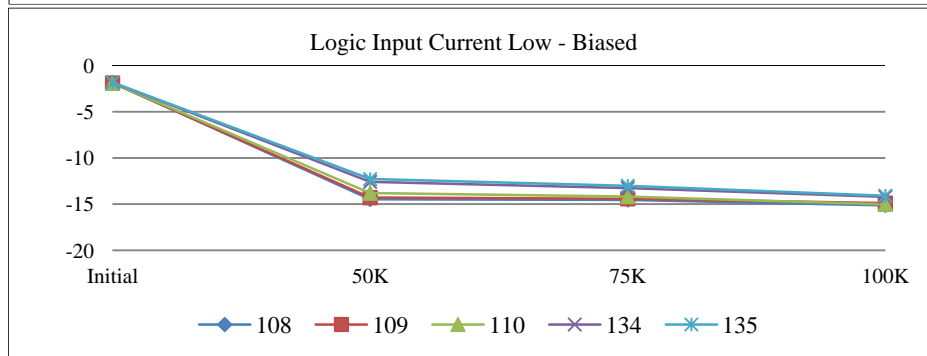
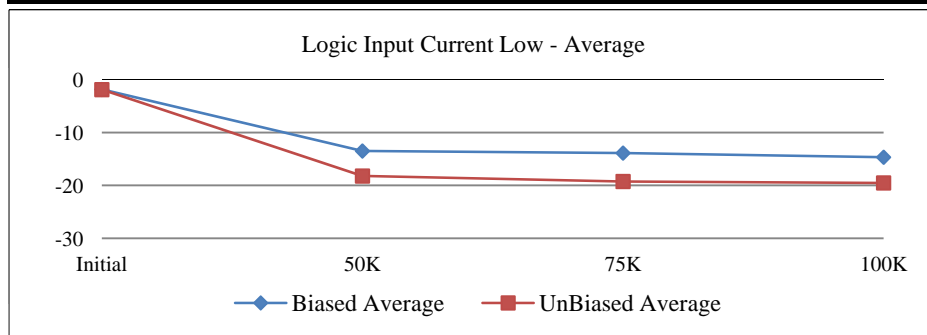
T#21		IIL VL=-10V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	-1.5880	-1.5270	-1.5330	-1.5050	>-30
	144	-1.7110	-1.7110	-1.7130	-1.6940	
Biased	108	-1.8350	-14.3580	-14.4190	-15.0070	
	109	-1.8330	-14.0500	-14.2360	-14.6400	
	110	-1.7720	-13.5640	-13.9300	-14.7840	
	134	-1.7720	-12.2200	-13.0120	-13.9650	
	135	-1.7770	-12.2840	-12.9530	-14.0880	
	Min	-1.8350	-14.3580	-14.4190	-15.0070	
	Max	-1.7720	-12.2200	-12.9530	-13.9650	
Average	-1.7978	-13.2952	-13.7100	-14.4968		
UnBiased	111	-1.8940	-19.2420	-19.5490	-19.5240	
	112	-1.8940	-19.2420	-19.5490	-19.5290	
	137	-1.7720	-17.4090	-18.8770	-19.5260	
	141	-1.7130	-17.1650	-18.6940	-19.5210	
	143	-1.8330	-17.6540	-19.1800	-19.5260	
	Min	-1.8940	-19.2420	-19.5490	-19.5290	
	Max	-1.7130	-17.1650	-18.6940	-19.5210	
	Average	-1.8212	-18.1424	-19.1698	-19.5252	



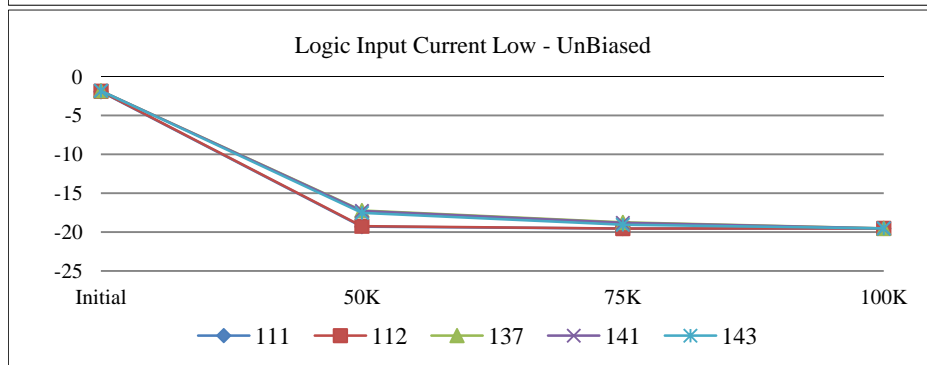
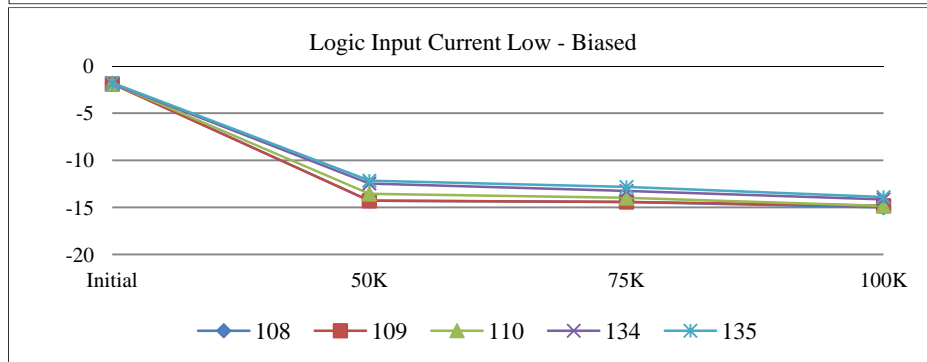
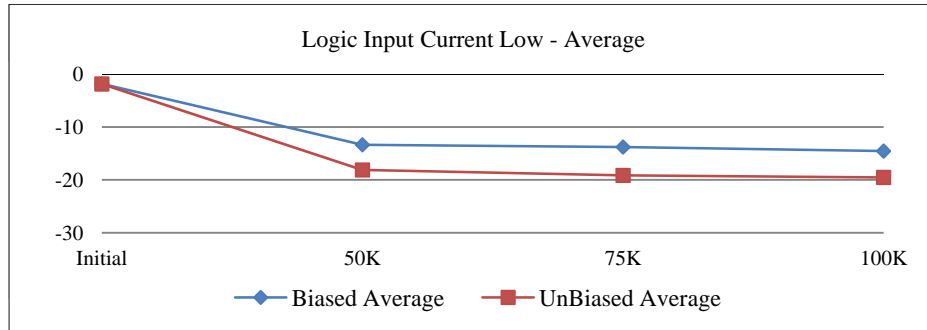
T#22	IIL VL=-10V				uA	
SN	Initial	50K	75K	100K	Limit	
Control	113	-1.5880	-1.5890	-1.5940	-1.5660	>-30
	144	-1.8330	-1.8330	-1.7740	-1.8160	
Biased	108	-1.8970	-14.5410	-14.6020	-15.1900	
	109	-1.8330	-14.2330	-14.3580	-14.8230	
	110	-1.8940	-13.8690	-14.2360	-15.0900	
	134	-1.8330	-12.4640	-13.1950	-14.1490	
	135	-1.8380	-12.2230	-12.9530	-14.0260	
	Min	-1.8970	-14.5410	-14.6020	-15.1900	
	Max	-1.8330	-12.2230	-12.9530	-14.0260	
Average	-1.8590	-13.4660	-13.8688	-14.6556		
UnBiased	111	-1.8940	-19.2420	-19.5490	-19.5240	
	112	-1.9550	-19.3030	-19.5490	-19.5290	
	137	-1.8330	-17.3480	-18.8160	-19.5260	
	141	-1.8350	-17.3480	-18.8770	-19.5210	
	143	-1.8330	-17.7760	-19.2410	-19.5260	
	Min	-1.9550	-19.3030	-19.5490	-19.5290	
	Max	-1.8330	-17.3480	-18.8160	-19.5210	
	Average	-1.8700	-18.2034	-19.2064	-19.5252	



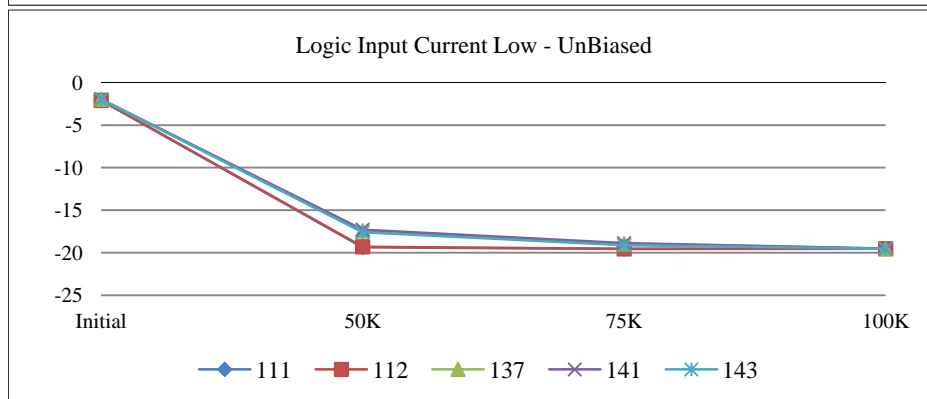
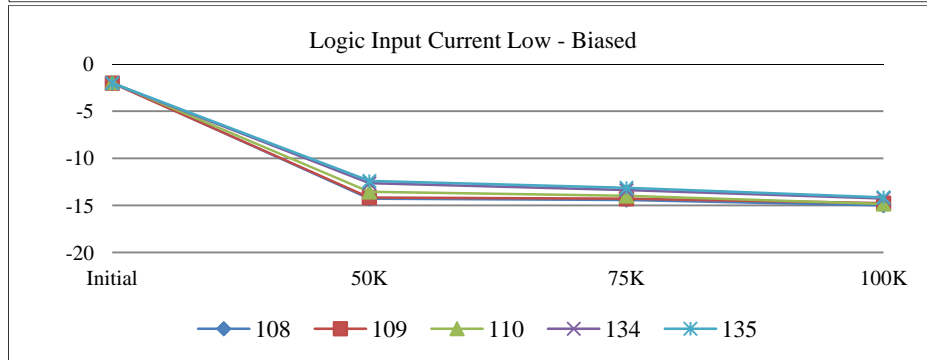
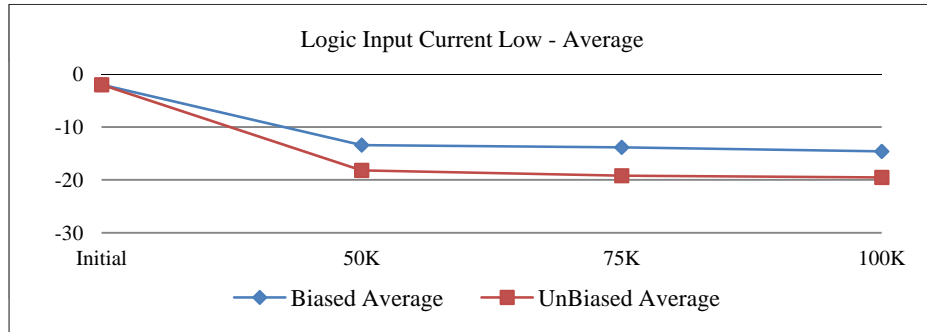
T#23		IIL VL=-10V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	-1.5880	-1.5270	-1.5330	-1.5050	>-30
	144	-1.8330	-1.8330	-1.8350	-1.8160	
Biased	108	-1.8350	-14.4800	-14.5410	-15.1290	
	109	-1.8940	-14.2940	-14.4190	-14.8840	
	110	-1.8940	-13.8080	-14.1750	-15.0290	
	134	-1.8330	-12.5860	-13.2560	-14.2100	
	135	-1.8380	-12.2840	-13.0140	-14.0880	
	Min	-1.8940	-14.4800	-14.5410	-15.1290	
	Max	-1.8330	-12.2840	-13.0140	-14.0880	
	Average	-1.8588	-13.4904	-13.8810	-14.6680	
UnBiased	111	-1.8940	-19.1200	-19.5490	-19.5240	
	112	-1.9550	-19.3030	-19.5490	-19.5290	
	137	-1.8330	-17.4090	-18.8770	-19.5260	
	141	-1.8350	-17.4090	-18.9380	-19.5210	
	143	-1.8940	-17.8370	-19.3630	-19.5260	
	Min	-1.9550	-19.3030	-19.5490	-19.5290	
	Max	-1.8330	-17.4090	-18.8770	-19.5210	
	Average	-1.8822	-18.2156	-19.2552	-19.5252	



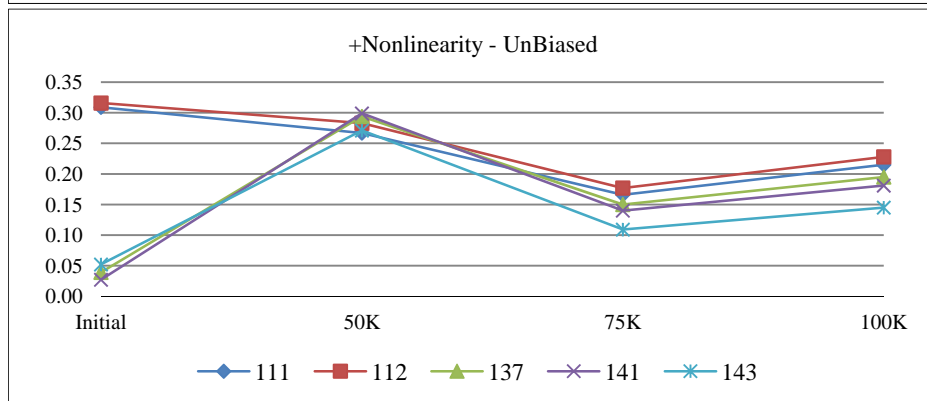
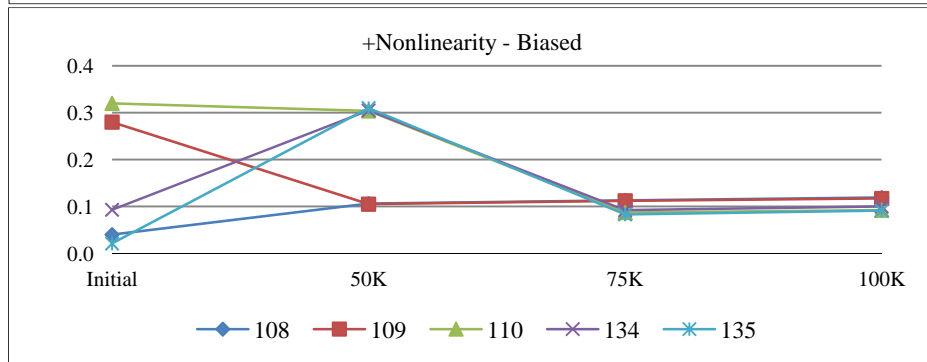
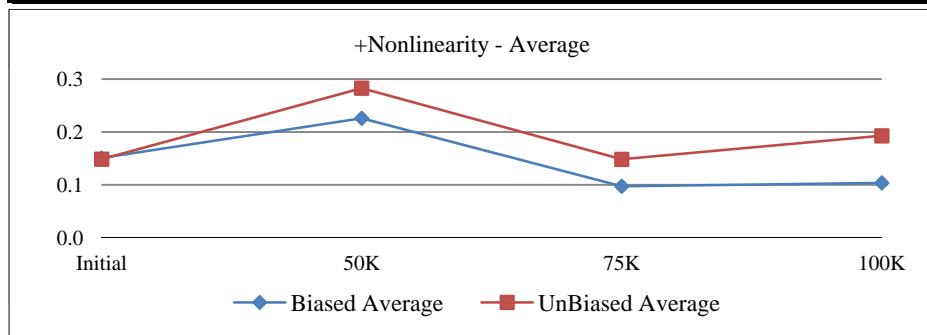
T#24		IIL VL=-10V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	-1.6490	-1.6500	-1.5940	-1.6270	>-30
	144	-1.7720	-1.7720	-1.7740	-1.7550	
Biased	108	-1.8350	-14.2970	-14.4190	-15.0070	
	109	-1.8940	-14.2940	-14.4190	-14.8230	
	110	-1.8330	-13.5640	-13.9920	-14.8460	
	134	-1.8330	-12.4640	-13.2560	-14.1490	
	135	-1.7770	-12.1620	-12.8310	-13.9040	
	Min	-1.8940	-14.2970	-14.4190	-15.0070	
	Max	-1.7770	-12.1620	-12.8310	-13.9040	
	Average	-1.8344	-13.3562	-13.7834	-14.5458	
UnBiased	111	-1.9550	-19.3030	-19.5490	-19.5240	
	112	-1.8940	-19.2420	-19.5490	-19.5290	
	137	-1.8330	-17.2260	-18.7550	-19.5260	
	141	-1.8350	-17.2870	-18.8160	-19.5210	
	143	-1.8330	-17.5310	-19.0580	-19.5260	
	Min	-1.9550	-19.3030	-19.5490	-19.5290	
	Max	-1.8330	-17.2260	-18.7550	-19.5210	
	Average	-1.8700	-18.1178	-19.1454	-19.5252	



T#25		IIL VL=-10V				uA
SN		Initial	50K	75K	100K	Limit
Control	113	-1.7110	-1.7110	-1.7160	-1.6880	>-30
	144	-1.9550	-1.9550	-1.9580	-1.9380	
Biased	108	-1.9580	-14.2970	-14.4190	-15.0070	
	109	-2.0160	-14.1720	-14.2970	-14.7620	
	110	-1.9550	-13.5640	-13.9920	-14.8460	
	134	-2.0160	-12.6470	-13.3780	-14.2710	
	135	-2.0210	-12.4060	-13.1370	-14.1490	
	Min	-2.0210	-14.2970	-14.4190	-15.0070	
	Max	-1.9550	-12.4060	-13.1370	-14.1490	
	Average	-1.9932	-13.4172	-13.8446	-14.6070	
UnBiased	111	-2.0770	-19.3640	-19.5490	-19.5240	
	112	-2.0770	-19.3030	-19.5490	-19.5290	
	137	-1.9550	-17.4090	-18.9380	-19.5260	
	141	-1.9580	-17.2870	-18.8770	-19.5210	
	143	-1.9550	-17.5920	-19.1190	-19.5260	
	Min	-2.0770	-19.3640	-19.5490	-19.5290	
	Max	-1.9550	-17.2870	-18.8770	-19.5210	
	Average	-2.0044	-18.1910	-19.2064	-19.5252	



	T#26	NL+				%FS
	SN	Initial	50K	75K	100K	Limit
Control	113	0.3110	0.0250	0.0250	0.0240	<0.35
	144	0.0270	0.0240	0.0250	0.0260	
Biased	108	0.0400	0.1060	0.1130	0.1190	
	109	0.2800	0.1050	0.1120	0.1170	
	110	0.3200	0.3040	0.0870	0.0920	
	134	0.0930	0.3050	0.0920	0.1000	
	135	0.0210	0.3100	0.0830	0.0910	
	Min	0.0210	0.1050	0.0830	0.0910	
	Max	0.3200	0.3100	0.1130	0.1190	
	Average	0.1508	0.2260	0.0974	0.1038	
UnBiased	111	0.3090	0.2670	0.1660	0.2150	
	112	0.3160	0.2830	0.1770	0.2280	
	137	0.0390	0.2940	0.1500	0.1950	
	141	0.0270	0.2990	0.1400	0.1810	
	143	0.0520	0.2710	0.1090	0.1450	
	Min	0.0270	0.2670	0.1090	0.1450	
	Max	0.3160	0.2990	0.1770	0.2280	
	Average	0.1486	0.2828	0.1484	0.1928	



	T#27	NL-				%FS
	SN	Initial	50K	75K	100K	Limit
Control	113	-0.0030	-0.0260	-0.0260	-0.0260	>-.35
	144	-0.0270	-0.0270	-0.0270	-0.0260	
Biased	108	-0.0390	-0.1050	-0.1120	-0.1180	
	109	-0.0030	-0.1050	-0.1110	-0.1170	
	110	-0.0130	-0.0290	-0.0860	-0.0950	
	134	-0.0200	-0.0220	-0.0930	-0.0990	
	135	-0.0240	-0.0210	-0.0830	-0.0900	
	Min	-0.0390	-0.1050	-0.1120	-0.1180	
	Max	-0.0030	-0.0210	-0.0830	-0.0900	
	Average	-0.0198	-0.0564	-0.0970	-0.1038	
UnBiased	111	-0.0030	-0.0660	-0.1680	-0.2180	
	112	-0.0100	-0.0780	-0.1790	-0.2300	
	137	-0.0390	-0.0460	-0.1520	-0.1960	
	141	-0.0270	-0.0410	-0.1420	-0.1830	
	143	-0.0520	-0.0300	-0.1100	-0.1480	
	Min	-0.0520	-0.0780	-0.1790	-0.2300	
	Max	-0.0030	-0.0300	-0.1100	-0.1480	
	Average	-0.0262	-0.0522	-0.1502	-0.1950	

