

## RADIATION TEST REPORT

PRODUCT:	AD8671ALQMLL
DATE CODE:	0944
GAMMA:	50k, 24Hr/ TM1019 Condition A
GAMMA SOURCE:	Co60
DOSE RATE:	132 Rad(si)/s
FACILITIES:	University of Massachusetts @ Lowell
TESTED:	09/12/10

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Wafer #	SN	+Isy @ VS = 30V (uA)	+Isy @ VS = 30V (uA)	+Isy @ VS = 30V (uA)
		0K	50K	Anneal
2	1	2947.980	2949.130	2935.620
7	46	2990.390	2967.970	2954.780
2	2	2974.370	2835.740	2899.500
2	3	2968.090	2829.460	2891.330
2	4	2989.760	2882.230	2917.720
2	16	2966.830	2821.920	2882.850
7	47	2974.680	2927.460	2953.840
7	49	2957.720	2835.740	2887.250
7	50	2987.250	2839.820	2888.510
7	51	2988.190	2921.800	2938.130
	min	2957.720	2821.920	2882.850
	max	2989.760	2927.460	2953.840
	mean	2975.861	2861.771	2907.391
	std. dev	11.647	42.772	26.441
	mean - 3 sigma	2940.920	2733.454	2828.070
	mean +3 sigma	3010.802	2990.088	2986.713

Wafer #	SN	-Isy @ VS = 30V (uA)	-Isy @ VS = 30V (uA)	-Isy @ VS = 30V (uA)
		0K	50K	Anneal
2	1	-2963.940	-2968.490	-2956.870
7	46	-3009.480	-2986.080	-2975.400
2	2	-2991.580	-2854.170	-2922.320
2	3	-2986.240	-2845.690	-2912.900
2	4	-3007.910	-2900.340	-2938.340
2	16	-2984.360	-2839.720	-2903.790
7	47	-2994.090	-2944.930	-2976.030
7	49	-2977.450	-2853.220	-2909.760
7	50	-3004.460	-2858.250	-2911.010
7	51	-3005.710	-2941.790	-2960.320
	min	-3007.910	-2944.930	-2976.030
	max	-2977.450	-2839.720	-2903.790
	mean	-2993.975	-2879.764	-2929.309
	std. dev	11.167	43.267	26.491
	mean - 3 sigma	-3027.476	-3009.565	-3008.782
	mean +3 sigma	-2960.474	-2749.963	-2849.836

Wafer #	SN	Voh_A_30V @ 2K (V)	Voh_A_30V @ 2K (V)	Voh_A_30V @ 2K (V)
		0K	50K	Anneal
2	1	13.998	13.997	14.000
7	46	13.990	13.997	14.000
2	2	13.998	13.981	13.976
2	3	13.994	13.976	13.971
2	4	13.994	13.995	13.988
2	16	13.998	13.978	13.980
7	47	13.998	13.983	13.981
7	49	14.017	13.997	13.995
7	50	13.990	13.974	13.975
7	51	14.015	14.004	14.005
min		13.990	13.974	13.971
max		14.017	14.004	14.005
mean		14.000	13.986	13.984
std. dev		0.010	0.011	0.012
mean - 3 sigma		13.970	13.953	13.949
mean +3 sigma		14.030	14.019	14.018

Wafer #	SN	Voh_A_30V @ 600 (V)	Voh_A_30V @ 600 (V)	Voh_A_30V @ 600 (V)
		0K	50K	Anneal
2	1	12.150	12.146	12.167
7	46	12.106	12.144	12.163
2	2	12.139	12.068	12.026
2	3	12.105	12.028	12.000
2	4	12.111	12.118	12.079
2	16	12.142	12.056	12.044
7	47	12.150	12.102	12.081
7	49	12.245	12.154	12.139
7	50	12.116	12.040	12.041
7	51	12.213	12.186	12.188
min		12.105	12.028	12.000
max		12.245	12.186	12.188
mean		12.153	12.094	12.075
std. dev		0.051	0.056	0.062
mean - 3 sigma		12.001	11.926	11.889
mean +3 sigma		12.305	12.263	12.261

Wafer #	SN	Vol_A_30V @ 2K (V)	Vol_A_30V @ 2K (V)	Vol_A_30V @ 2K (V)
		0K	50K	Anneal
2	1	-13.909	-13.909	-13.908
7	46	-13.906	-13.904	-13.903
2	2	-13.904	-13.816	-13.862
2	3	-13.904	-13.821	-13.864
2	4	-13.905	-13.878	-13.891
2	16	-13.902	-13.802	-13.861
7	47	-13.903	-13.807	-13.856
7	49	-13.908	-13.833	-13.872
7	50	-13.904	-13.822	-13.864
7	51	-13.917	-13.834	-13.871
	min	-13.917	-13.878	-13.891
	max	-13.902	-13.802	-13.856
	mean	-13.906	-13.827	-13.868
	std. dev	0.005	0.024	0.011
	mean - 3 sigma	-13.920	-13.897	-13.899
	mean +3 sigma	-13.892	-13.756	-13.836

Wafer #	SN	Vol_A_30V @ 600 (V)	Vol_A_30V @ 600 (V)	Vol_A_30V @ 600 (V)
		0K	50K	Anneal
2	1	-13.223	-13.225	-13.221
7	46	-13.241	-13.238	-13.237
2	2	-13.231	-12.059	-12.250
2	3	-13.237	-12.057	-12.250
2	4	-13.232	-12.375	-12.558
2	16	-13.231	-12.002	-12.240
7	47	-13.223	-12.019	-12.214
7	49	-13.245	-12.104	-12.279
7	50	-13.237	-12.074	-12.254
7	51	-13.254	-12.097	-12.262
	min	-13.254	-12.375	-12.558
	max	-13.223	-12.002	-12.214
	mean	-13.236	-12.098	-12.288
	std. dev	0.010	0.117	0.111
	mean - 3 sigma	-13.265	-12.450	-12.620
	mean +3 sigma	-13.207	-11.747	-11.957

Wafer #	SN	Vos_A_MI @ 30V Vcm=0(uV)	Vos_A_MI @ 30V Vcm=0(uV)	Vos_A_MI @ 30V Vcm=0(uV)
		0K	50K	Anneal
2	1	14.291	14.599	13.872
7	46	29.802	29.940	30.961
2	2	7.124	-13.110	-5.563
2	3	4.392	36.222	8.914
2	4	7.228	3.187	3.331
2	16	8.227	-11.437	-2.192
7	47	5.722	38.527	0.434
7	49	6.859	16.494	4.696
7	50	-0.171	5.944	-4.080
7	51	1.708	4.649	-26.356
min		-0.171	-13.110	-26.356
max		8.227	38.527	8.914
mean		5.136	10.060	-2.602
std. dev		2.968	19.378	10.728
mean - 3 sigma		-3.768	-48.075	-34.786
mean +3 sigma		14.040	68.195	29.582

Wafer #	SN	+Ib A @ 30V (nA)	+Ib A @ 30V (nA)	+Ib A @ 30V (nA)
		0K	50K	Anneal
2	1	5.785	5.791	5.873
7	46	5.280	5.224	5.490
2	2	3.943	14.010	25.589
2	3	3.728	25.209	33.737
2	4	3.973	30.238	34.640
2	16	4.603	41.329	41.678
7	47	4.041	29.783	39.570
7	49	1.467	29.573	38.037
7	50	4.546	34.362	44.803
7	51	3.070	16.762	26.477
min		1.467	14.010	25.589
max		4.603	41.329	44.803
mean		3.671	27.658	35.566
std. dev		1.011	8.925	6.878
mean - 3 sigma		0.638	0.882	14.932
mean +3 sigma		6.705	54.435	56.201

Wafer #	SN	-Ib A @ 30V (nA)	-Ib A @ 30V (nA)	-Ib A @ 30V (nA)
		0K	50K	Anneal
2	1	3.386	3.402	3.442
7	46	2.198	2.283	2.318
2	2	4.180	26.257	25.910
2	3	1.808	38.304	35.596
2	4	4.083	34.980	30.197
2	16	2.439	44.252	36.181
7	47	3.500	46.679	43.446
7	49	1.314	45.115	41.514
7	50	4.453	49.432	46.660
7	51	2.287	28.314	28.254
min		1.314	26.257	25.910
max		4.453	49.432	46.660
mean		3.008	39.167	35.970
std. dev		1.196	8.666	7.514
mean - 3 sigma		-0.580	13.167	13.429
mean +3 sigma		6.596	65.166	58.511

Wafer #	SN	Ios A @ 30V (nA)	Ios A @ 30V (nA)	Ios A @ 30V (nA)
		0K	50K	Anneal
2	1	2.399	2.389	2.431
7	46	3.083	2.941	3.172
2	2	-0.237	-12.247	-0.321
2	3	1.920	-13.095	-1.858
2	4	-0.110	-4.742	4.443
2	16	2.164	-2.923	5.497
7	47	0.541	-16.896	-3.876
7	49	0.153	-15.542	-3.478
7	50	0.093	-15.070	-1.857
7	51	0.784	-11.552	-1.777
min		-0.237	-16.896	-3.876
max		2.164	-2.923	5.497
mean		0.663	-11.508	-0.403
std. dev		0.915	5.079	3.504
mean - 3 sigma		-2.081	-26.744	-10.915
mean +3 sigma		3.407	3.727	10.108

Wafer #	SN	CMRR_A @ 30V (dB)	CMRR_A @ 30V (dB)	CMRR_A @ 30V (dB)
		0K	50K	Anneal
2	1	118.955	118.943	119.019
7	46	122.715	122.827	122.872
2	2	121.467	120.212	120.626
2	3	149.708	136.231	135.058
2	4	121.406	133.595	132.684
2	16	141.172	138.332	150.436
7	47	152.597	134.821	134.939
7	49	121.016	120.091	120.100
7	50	109.541	109.111	109.196
7	51	221.032	123.892	126.515
	min	109.541	109.111	109.196
	max	221.032	138.332	150.436
	mean	142.243	127.036	128.694
	std. dev	35.371	10.294	12.490
	mean - 3 sigma	36.130	96.153	91.224
	mean +3 sigma	248.355	157.918	166.164

Wafer #	SN	Avo_A @ 30V (V/mV)	Avo_A @ 30V (V/mV)	Avo_A @ 30V (V/mV)
		0K	50K	Anneal
2	1	9220.070	9389.010	9460.760
7	46	7621.150	8108.930	8241.670
2	2	8313.200	15516.100	13308.600
2	3	8191.220	17055.300	13030.700
2	4	8118.200	12535.600	10824.800
2	16	7991.510	16087.700	11845.800
7	47	8168.760	13504.600	12703.800
7	49	8293.000	17282.500	13380.000
7	50	10100.500	23635.600	19074.700
7	51	8194.690	39843.500	12867.800
	min	7991.510	12535.600	10824.800
	max	10100.500	39843.500	19074.700
	mean	8421.385	19432.613	13379.525
	std. dev	685.827	8894.474	2454.126
	mean - 3 sigma	6363.903	-7250.809	6017.148
	mean +3 sigma	10478.867	46116.034	20741.902

Wafer #	SN	PSRR_A (dB)	PSRR_A (dB)	PSRR_A (dB)
		OK	50K	Anneal
2	1	126.330	126.296	126.381
7	46	131.285	131.561	131.661
2	2	125.088	123.429	124.217
2	3	138.791	128.375	131.370
2	4	125.025	155.022	149.601
2	16	152.445	134.944	138.942
7	47	140.791	122.009	125.373
7	49	125.409	123.148	123.964
7	50	114.407	113.805	114.006
7	51	143.879	121.382	125.004
	min	114.407	113.805	114.006
	max	152.445	155.022	149.601
	mean	132.345	127.997	129.052
	std. dev	12.648	12.557	10.896
	mean - 3 sigma	94.401	90.327	96.365
	mean +3 sigma	170.289	165.667	161.739

Wafer #	SN	+Isy @ VS =	+Isy @ VS =	+Isy @ VS =
		10V (uA)	10V (uA)	10V (uA)
		OK	50K	Anneal
2	1	3028.920	3031.620	3018.430
7	46	3064.730	3041.040	3028.160
2	2	3052.790	2824.940	2910.380
2	3	3043.050	2817.400	2900.950
2	4	3069.750	2894.980	2949.010
2	16	3049.020	2814.580	2898.750
7	47	3041.170	2874.880	2929.850
7	49	3036.460	2818.660	2895.300
7	50	3067.240	2826.510	2896.870
7	51	3075.410	2907.230	2947.440
	min	3028.920	2814.580	2895.300
	max	3075.410	3041.040	3028.160
	mean	3052.854	2885.184	2937.514
	std. dev	14.634	38.438	22.741
	mean - 3 sigma	3008.951	2769.869	2869.292
	mean +3 sigma	3096.757	3000.499	3005.736



Wafer #	SN	-Isy @ VS = 10V (uA)	-Isy @ VS = 10V (uA)	-Isy @ VS = 10V (uA)
		0K	50K	Anneal
2	1	-3044.260	-3049.110	-3039.380
7	46	-3083.210	-3058.220	-3047.230
2	2	-3069.070	-2841.200	-2930.080
2	3	-3061.540	-2834.600	-2921.280
2	4	-3086.030	-2910.920	-2969.650
2	16	-3065.930	-2833.030	-2916.570
7	47	-3057.450	-2893.020	-2950.810
7	49	-3054.310	-2837.430	-2917.200
7	50	-3082.890	-2843.080	-2916.890
7	51	-3091.690	-2924.430	-2966.830
	min	-3091.690	-3058.220	-3047.230
	max	-3044.260	-2833.030	-2916.570
	mean	-3069.638	-2902.504	-2957.592
	std. dev	14.022	38.132	22.834
	mean - 3 sigma	-3111.704	-3016.900	-3026.095
	mean +3 sigma	-3027.572	-2788.108	-2889.089

Wafer #	SN	Voh_A_10V @ 2K (V)	Voh_A_10V @ 2K (V)	Voh_A_10V @ 2K (V)
		0K	50K	Anneal
2	1	4.258	4.260	4.257
7	46	4.267	4.261	4.260
2	2	4.263	4.238	4.248
2	3	4.264	4.238	4.249
2	4	4.265	4.253	4.257
2	16	4.261	4.236	4.247
7	47	4.261	4.235	4.244
7	49	4.261	4.241	4.250
7	50	4.265	4.238	4.246
7	51	4.273	4.249	4.252
	min	4.261	4.235	4.244
	max	4.273	4.253	4.257
	mean	4.264	4.241	4.249
	std. dev	0.004	0.007	0.004
	mean - 3 sigma	4.252	4.221	4.237
	mean +3 sigma	4.277	4.261	4.261

Wafer #	SN	Voh_A_10V @ 600 (V)	Voh_A_10V @ 600 (V)	Voh_A_10V @ 600 (V)
		0K	50K	Anneal
2	1	4.054	4.055	4.057
7	46	4.049	4.053	4.055
2	2	4.057	4.037	4.035
2	3	4.051	4.032	4.031
2	4	4.052	4.049	4.045
2	16	4.054	4.034	4.035
7	47	4.052	4.036	4.037
7	49	4.066	4.048	4.049
7	50	4.048	4.032	4.034
7	51	4.071	4.056	4.058
	min	4.048	4.032	4.031
	max	4.071	4.056	4.058
	mean	4.057	4.041	4.040
	std. dev	0.008	0.009	0.009
	mean - 3 sigma	4.033	4.013	4.013
	mean +3 sigma	4.080	4.068	4.068

Wafer #	SN	Vol_A_10V @ 2K (V)	Vol_A_10V @ 2K (V)	Vol_A_10V @ 2K (V)
		0K	50K	Anneal
2	1	-4.049	-4.047	-4.048
7	46	-4.046	-4.043	-4.043
2	2	-4.045	-4.032	-4.038
2	3	-4.044	-4.031	-4.039
2	4	-4.046	-4.039	-4.042
2	16	-4.044	-4.031	-4.036
7	47	-4.044	-4.025	-4.034
7	49	-4.048	-4.037	-4.040
7	50	-4.047	-4.034	-4.037
7	51	-4.054	-4.037	-4.042
	min	-4.054	-4.039	-4.042
	max	-4.044	-4.025	-4.034
	mean	-4.047	-4.033	-4.039
	std. dev	0.004	0.005	0.003
	mean - 3 sigma	-4.057	-4.047	-4.047
	mean +3 sigma	-4.036	-4.020	-4.030

Wafer #	SN	Vol_A_10V @ 600 (V)	Vol_A_10V @ 600 (V)	Vol_A_10V @ 600 (V)
		0K	50K	Anneal
2	1	-3.934	-3.933	-3.933
7	46	-3.938	-3.935	-3.934
2	2	-3.935	-3.856	-3.896
2	3	-3.938	-3.860	-3.897
2	4	-3.937	-3.911	-3.921
2	16	-3.935	-3.845	-3.894
7	47	-3.935	-3.848	-3.890
7	49	-3.940	-3.872	-3.904
7	50	-3.938	-3.860	-3.895
7	51	-3.948	-3.874	-3.905
	min	-3.948	-3.911	-3.921
	max	-3.935	-3.845	-3.890
	mean	-3.938	-3.866	-3.900
	std. dev	0.004	0.021	0.010
	mean - 3 sigma	-3.951	-3.929	-3.929
	mean +3 sigma	-3.926	-3.803	-3.871

Wafer #	SN	Vos_A_MI @ 10V Vcm=0(uV)	Vos_A_MI @ 10V Vcm=0(uV)	Vos_A_MI @ 10V Vcm=0(uV)
		0K	50K	Anneal
2	1	3.027	3.184	2.812
7	46	21.446	21.450	22.567
2	2	17.415	-1.078	4.987
2	3	5.049	39.374	11.874
2	4	17.676	1.341	0.682
2	16	7.425	-9.058	-1.195
7	47	5.340	45.717	5.392
7	49	16.537	27.221	15.705
7	50	35.372	43.656	32.972
7	51	1.793	15.316	-18.342
	min	1.793	-9.058	-18.342
	max	35.372	45.717	32.972
	mean	13.326	20.311	6.509
	std. dev	10.903	21.733	14.775
	mean - 3 sigma	-19.383	-44.889	-37.815
	mean +3 sigma	46.035	85.511	50.834

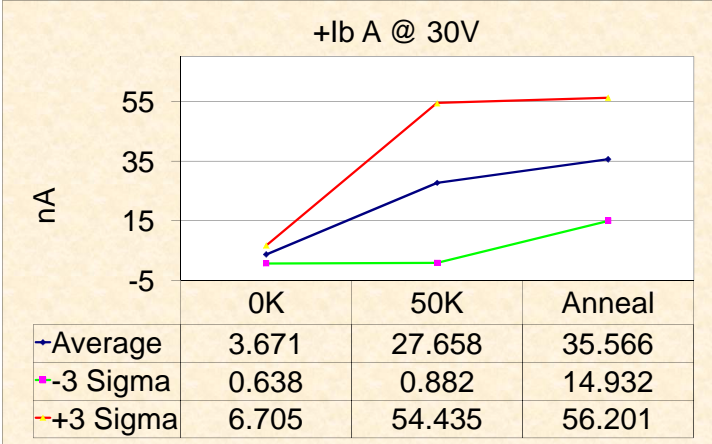
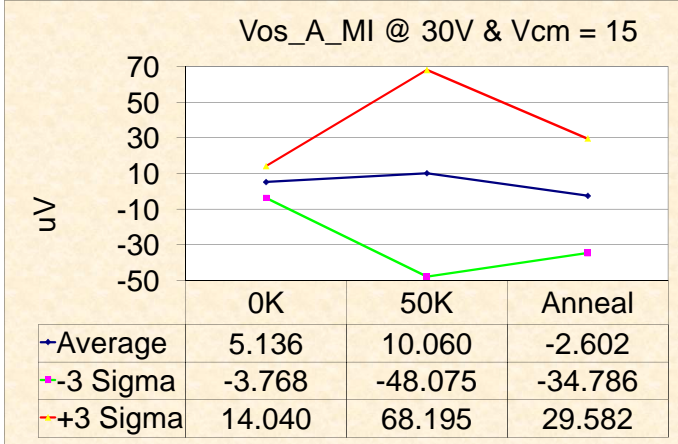
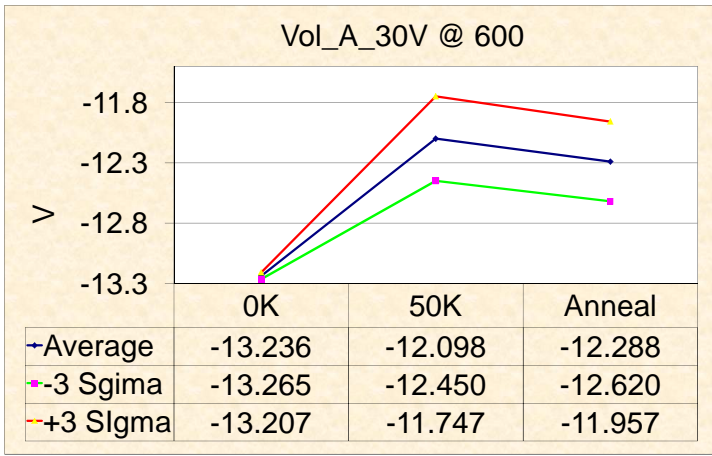
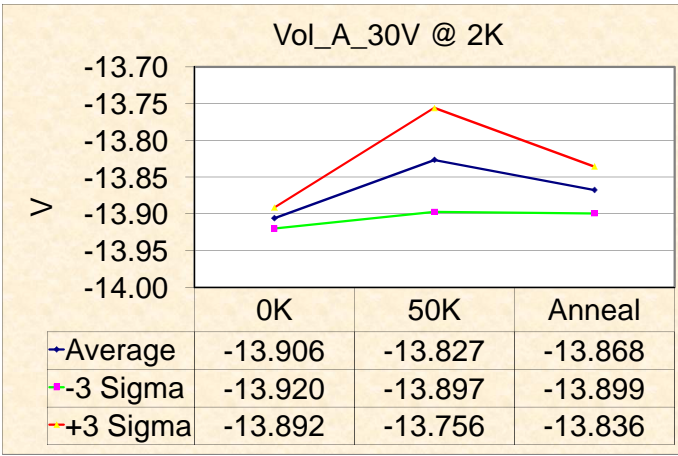
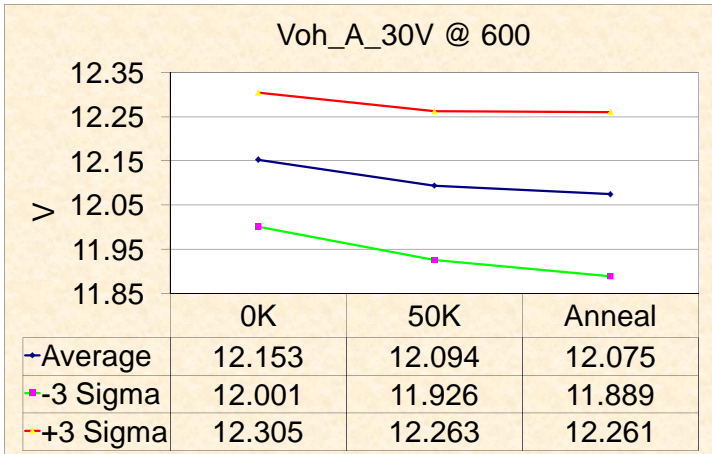
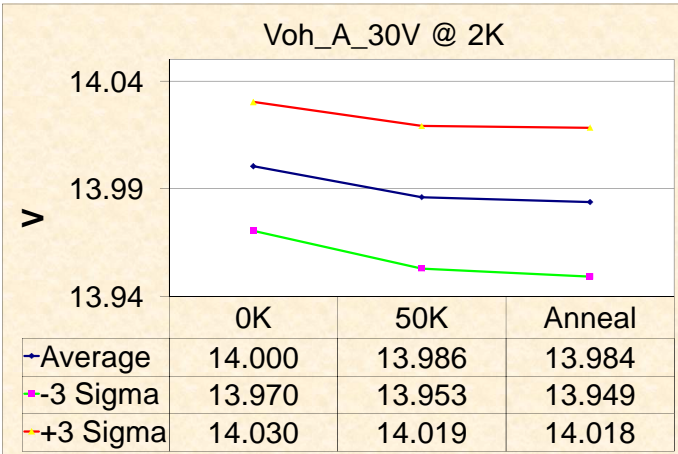
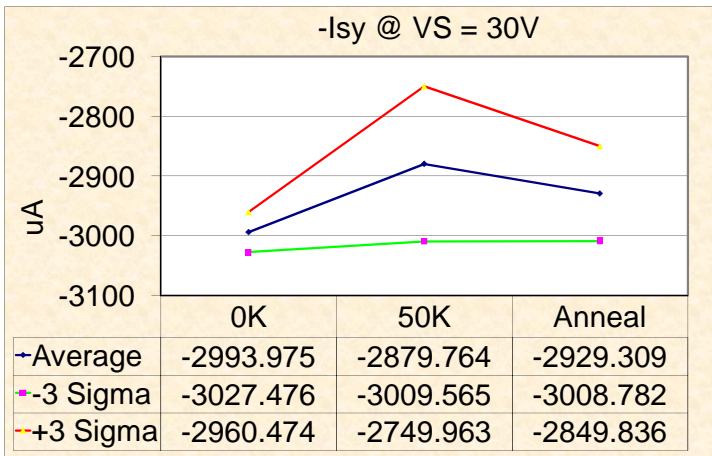
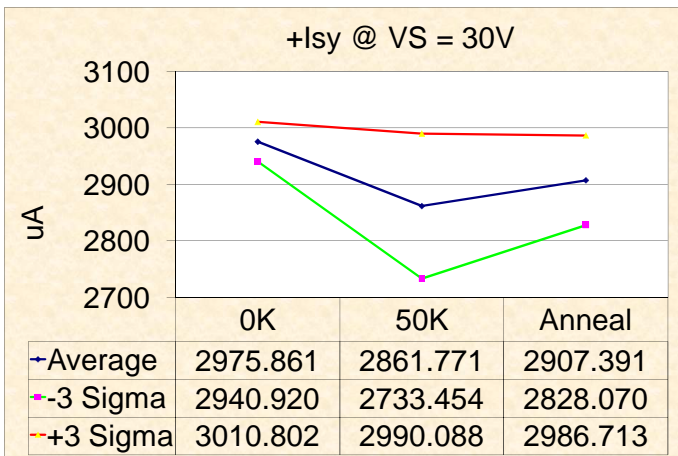
Wafer #	SN	+Ib A @ 10V (nA)	+Ib A @ 10V (nA)	+Ib A @ 10V (nA)
		0K	50K	Anneal
2	1	4.127	4.088	4.154
7	46	4.304	4.473	4.458
2	2	2.662	15.002	27.057
2	3	2.735	27.968	36.477
2	4	2.548	32.198	36.366
2	16	3.412	43.763	44.267
7	47	2.841	31.831	43.251
7	49	0.119	32.302	40.730
7	50	3.704	37.733	48.045
7	51	1.878	18.088	29.245
	min	0.119	15.002	27.057
	max	3.704	43.763	48.045
	mean	2.487	29.861	38.180
	std. dev	1.104	9.513	7.332
	mean - 3 sigma	-0.825	1.321	16.183
	mean +3 sigma	5.800	58.400	60.177

Wafer #	SN	-Ib A @ 10V (nA)	-Ib A @ 10V (nA)	-Ib A @ 10V (nA)
		0K	50K	Anneal
2	1	2.146	2.142	2.297
7	46	1.028	1.171	1.224
2	2	3.009	27.387	27.031
2	3	0.842	41.353	38.302
2	4	2.847	36.941	31.733
2	16	1.191	46.750	38.521
7	47	2.314	47.973	46.835
7	49	0.052	48.145	44.545
7	50	3.170	51.914	49.126
7	51	1.426	30.316	31.227
	min	0.052	27.387	27.031
	max	3.170	51.914	49.126
	mean	1.856	41.347	38.415
	std. dev	1.144	8.999	8.010
	mean - 3 sigma	-1.574	14.349	14.384
	mean +3 sigma	5.287	68.346	62.446

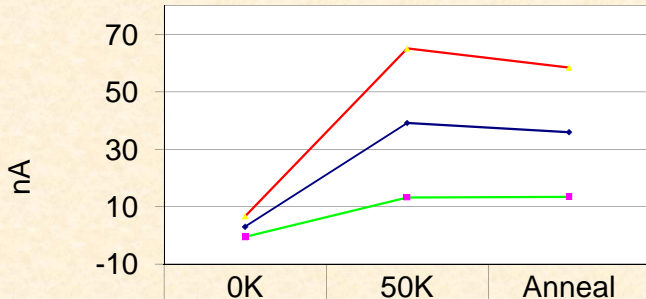
Wafer #	SN	los A @ 10V (nA)	los A @ 10V (nA)	los A @ 10V (nA)
		0K	50K	Anneal
2	1	1.981	1.947	1.857
7	46	3.275	3.301	3.234
2	2	-0.346	-12.385	0.026
2	3	1.893	-13.385	-1.825
2	4	-0.299	-4.743	4.633
2	16	2.220	-2.986	5.746
7	47	0.528	-16.142	-3.584
7	49	0.067	-15.844	-3.815
7	50	0.534	-14.181	-1.082
7	51	0.452	-12.229	-1.982
	min	-0.346	-16.142	-3.815
	max	2.220	-2.986	5.746
	mean	0.631	-11.487	-0.235
	std. dev	0.949	4.937	3.583
	mean - 3 sigma	-2.217	-26.297	-10.984
	mean +3 sigma	3.479	3.324	10.514

Wafer #	SN	CMRR_A @ 10V (dB)	CMRR_A @ 10V (dB)	CMRR_A @ 10V (dB)
		0K	50K	Anneal
2	1	1.857	114.373	114.446
7	46	3.234	117.280	117.367
2	2	0.026	117.463	117.816
2	3	-1.825	137.579	157.594
2	4	4.633	124.643	124.939
2	16	5.746	143.716	136.613
7	47	-3.584	148.743	152.244
7	49	-3.815	119.669	118.682
7	50	-1.082	106.203	106.064
7	51	-1.982	128.076	134.790
	min	-3.815	106.203	106.064
	max	5.746	148.743	157.594
	mean	-0.235	128.261	131.093
	std. dev	3.583	14.319	17.682
	mean - 3 sigma	-10.984	85.304	78.048
	mean +3 sigma	10.514	171.219	184.138

Wafer #	SN	Avo_A @ 10V (V/mV)	Avo_A @ 10V (V/mV)	Avo_A @ 10V (V/mV)
		0K	50K	Anneal
2	1	11041.80	12465.10	13570.30
7	46	7914.73	8568.58	8688.77
2	2	10810.10	149518.00	240326.00
2	3	10610.00	24674.00	29365.60
2	4	9566.80	37182.00	26043.40
2	16	10049.00	548281.00	76278.10
7	47	10893.70	9930.24	921579.00
7	49	10229.20	95648.80	62830.20
7	50	10938.40	23287.20	62474.70
7	51	10265.20	13164.50	49436.80
min		9566.800	9930.240	26043.400
max		10938.400	548281.000	921579.000
mean		10420.300	112710.718	183541.725
std. dev		479.191	182558.111	305945.277
mean - 3 sigma		8982.728	-434963.617	-734294.105
mean +3 sigma		11857.872	660385.052	1101377.555

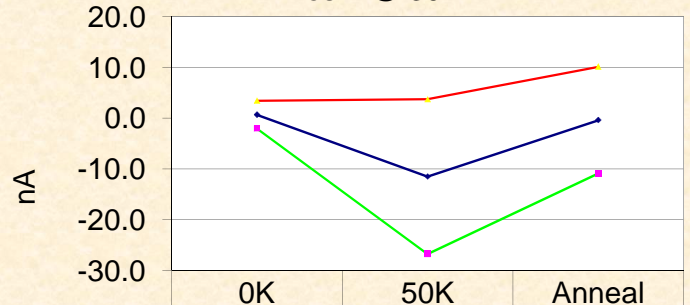


-Ib A @ 30V



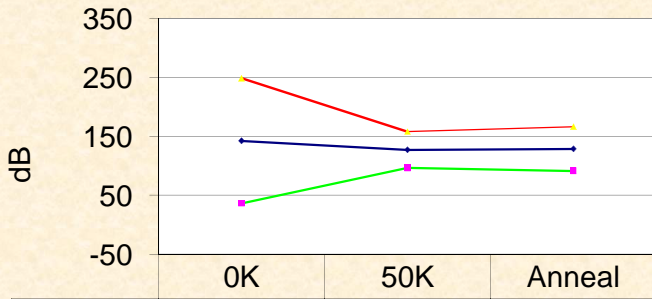
	0K	50K	Anneal
Average	3.008	39.167	35.970
-3 Sigma	-0.580	13.167	13.429
+3 Sigma	6.596	65.166	58.511

Ios A @ 30V



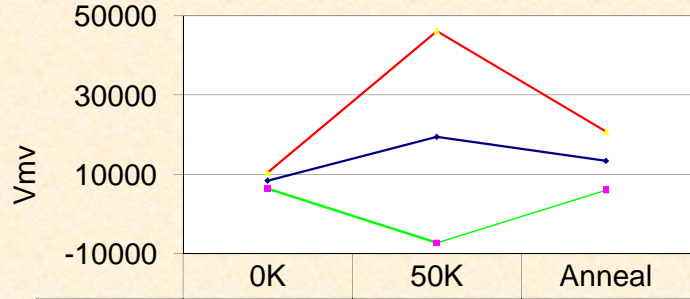
	0K	50K	Anneal
Average	0.663	-11.508	-0.403
-3 Sigma	-2.081	-26.744	-10.915
+3 Sigma	3.407	3.727	10.108

CMRR\_A @ 30V



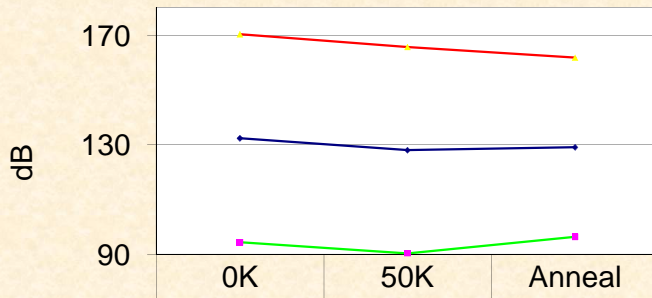
	0K	50K	Anneal
Average	142.243	127.036	128.694
-3 Sigma	36.130	96.153	91.224
+3 Sigma	248.355	157.918	166.164

Avo\_A @ 30V



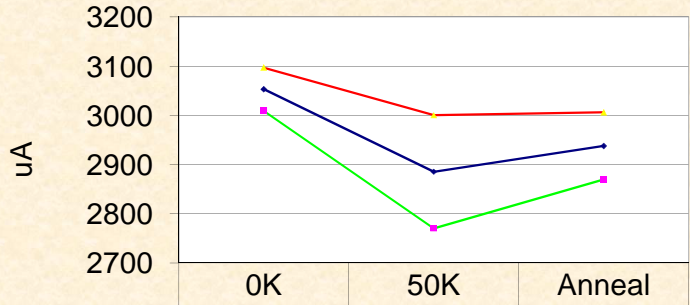
	0K	50K	Anneal
Average	8421.385	19432.613	13379.525
-3 Sigma	6363.903	-7250.809	6017.148
+3 Sigma	10478.867	46116.034	20741.902

PSRR\_A @ 30V



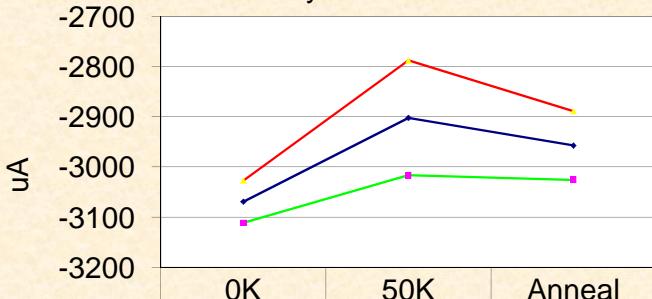
	0K	50K	Anneal
Average	132.345	127.997	129.052
-3 Sigma	94.401	90.327	96.365
+3 Sigma	170.289	165.667	161.739

+Isv @ VS = 10V



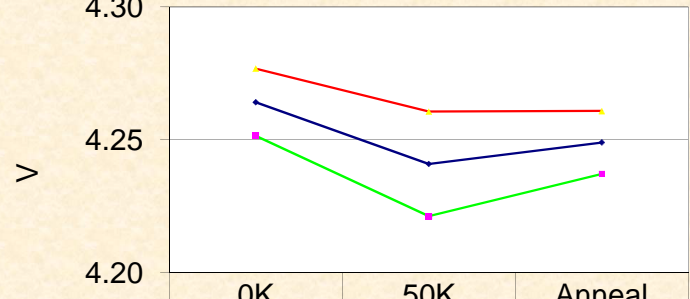
	0K	50K	Anneal
Average	3052.854	2885.184	2937.514
-3 Sigma	3008.951	2769.869	2869.292
+ # sigma	3096.757	3000.499	3005.736

-Isv @ VS = 10V



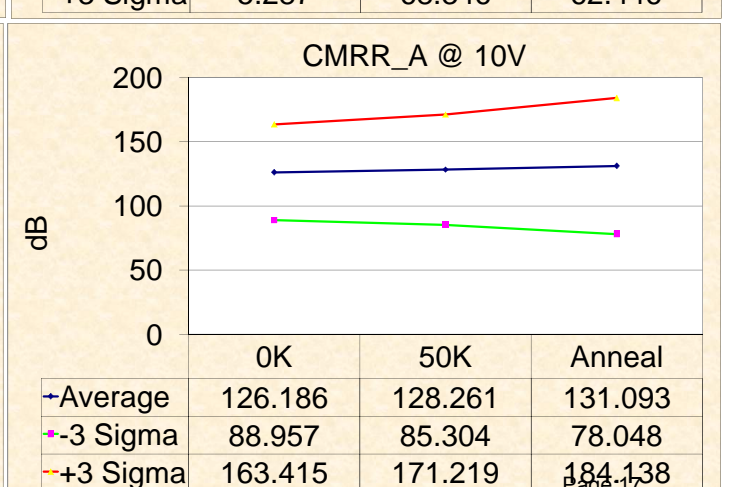
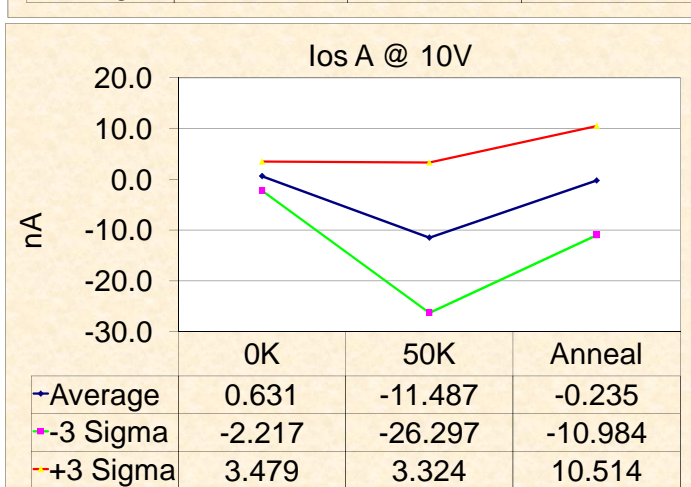
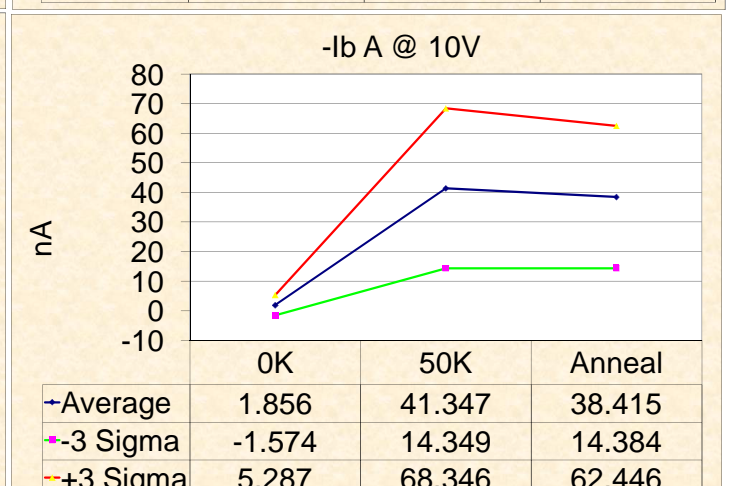
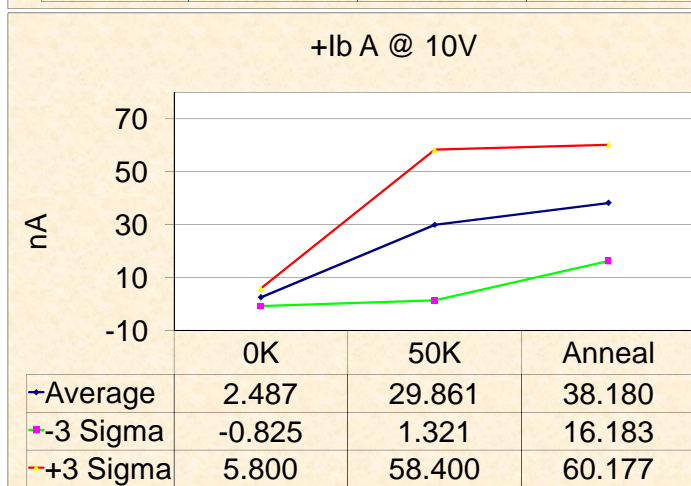
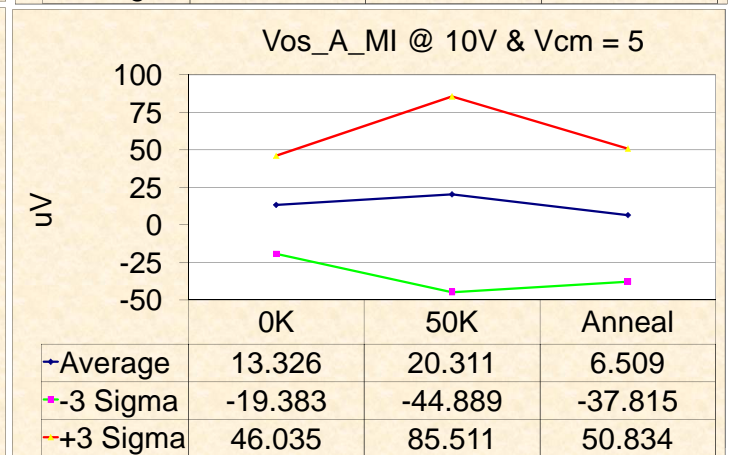
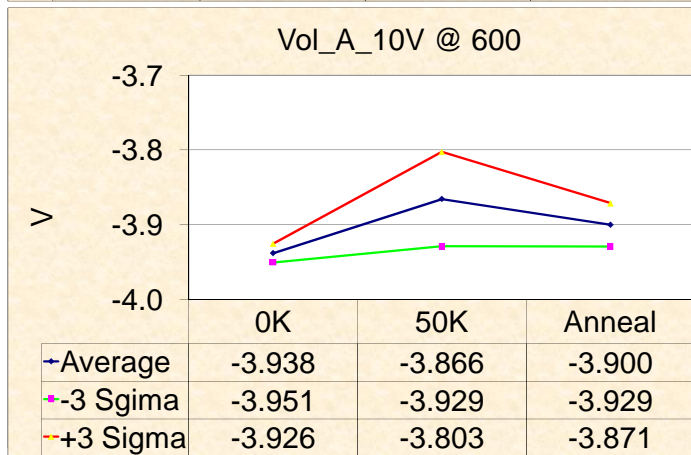
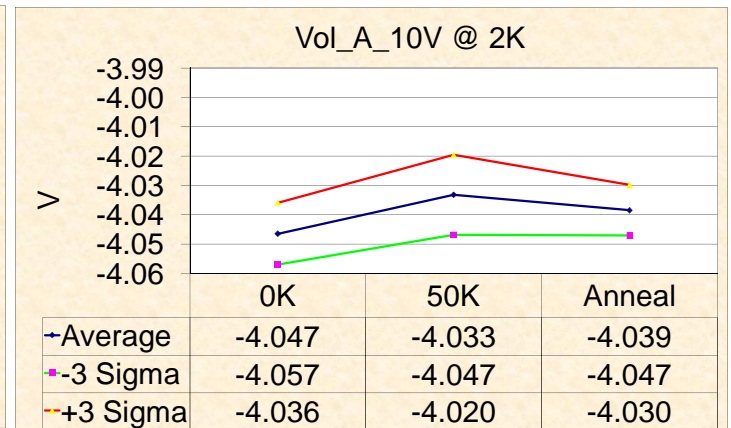
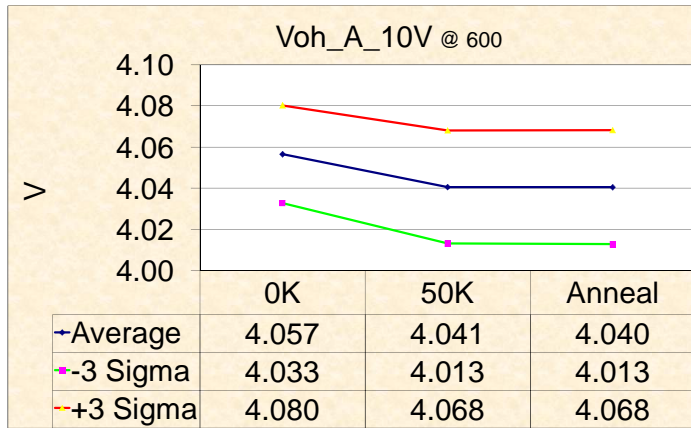
	0K	50K	Anneal
Average	-3069.638	-2902.504	-2957.592
-3 Sigma	-3111.704	-3016.900	-3026.095
+3 Sigma	-3027.572	-2788.108	-2889.089

Voh\_A\_10V @ 2K



	0K	50K	Anneal
Average	4.264	4.241	4.249
-3 Sigma	4.252	4.221	4.237
+3 Sigma	4.277	4.261	4.261





AVO\_A @ 10V

