

RADIATION TEST REPORT

PRODUCT:	AD8041SQMLR
DATE CODE:	0919
GAMMA:	0, 100k
GAMMA SOURCE:	Co60
DOSE RATE:	166 Rad(si)/s
FACILITIES:	University of Massachusetts @ Lowell
TESTED:	8/6/09

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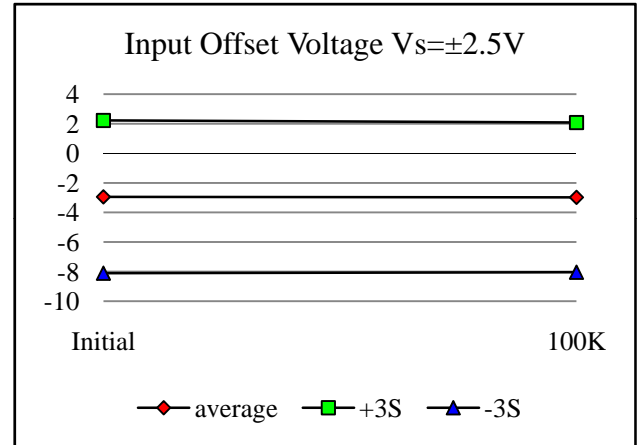
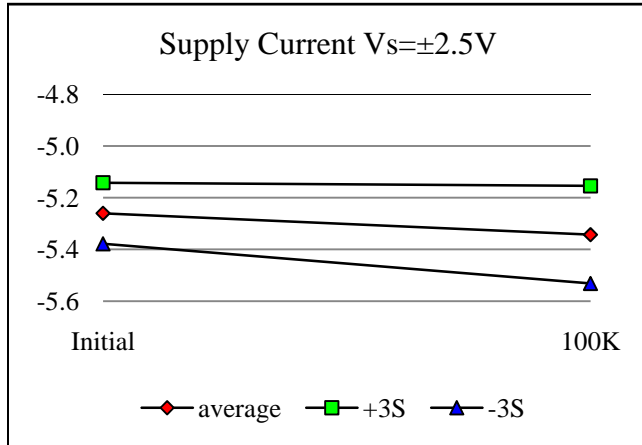
WARNING:

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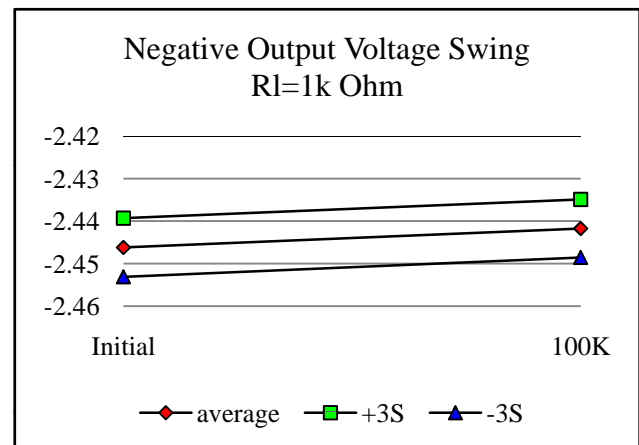
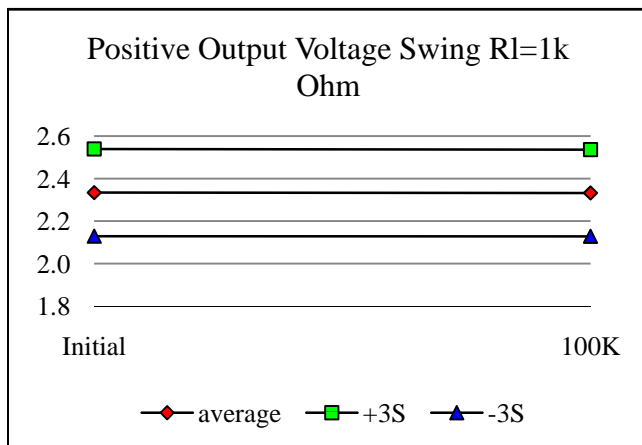
T# 1.0	ISY VS=±2.5V		mA
SN	Initial	100K	
2	-5.28336	-5.28758	
3	-5.26097	-5.30997	
4	-5.2098	-5.28439	
5	-5.26417	-5.42832	
6	-5.30575	-5.34836	
min	-5.30575	-5.42832	
max	-5.20980	-5.28439	
stdev	0.03929	0.06281	
average	-5.26017	-5.34276	
+3S	-5.14230	-5.15434	
-3S	-5.37805	-5.53118	

T# 3.0	Vos VS=-2.5V		mV
SN	Initial	100K	
2	-3.64057	-3.65939	
3	-3.75983	-3.77237	
4	-0.37661	-0.45821	
5	-4.06112	-4.05483	
6	-3.56525	-3.61545	
min	-4.06112	-4.05483	
max	-0.37661	-0.45821	
stdev	1.72152	1.68782	
average	-2.94070	-2.97522	
+3S	2.22387	2.08825	
-3S	-8.10527	-8.03868	



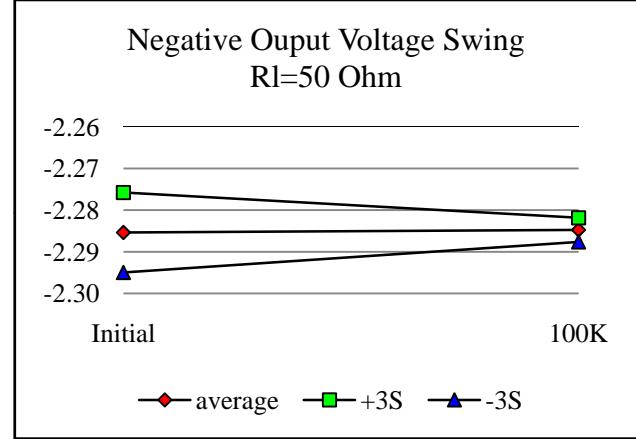
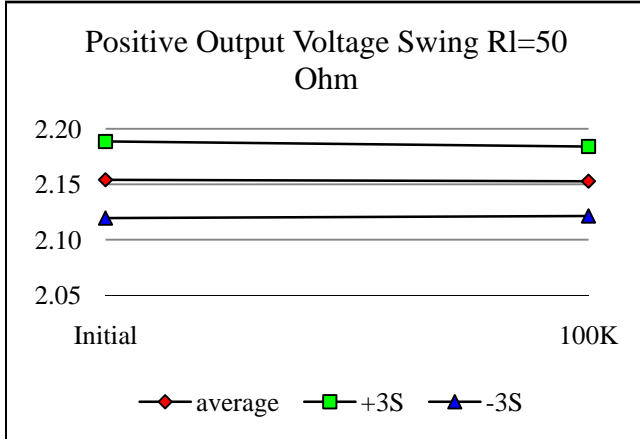
T# 5	+Vout RI=1k Ohm		V
SN	Initial	100K	
2	2.30833	2.30751	
3	2.30193	2.30111	
4	2.43571	2.43361	
5	2.2872	2.28703	
6	2.31217	2.30815	
min	2.28720	2.28703	
max	2.43571	2.43361	
stdev	0.06841	0.06799	
average	2.33425	2.33248	
+3S	2.53948	2.53645	
-3S	2.12902	2.12850	

T# 6	-Vout RI=1k Ohm		V
SN	Initial	100K	
2	-2.44667	-2.4462	
3	-2.44731	-2.44364	
4	-2.44283	-2.43916	
5	-2.44795	-2.44044	
6	-2.44667	-2.44364	
min	-2.44795	-2.44364	
max	-2.44283	-2.43916	
stdev	0.00230	0.00228	
average	-2.44619	-2.44172	
+3S	-2.43929	-2.43489	
-3S	-2.45309	-2.44855	



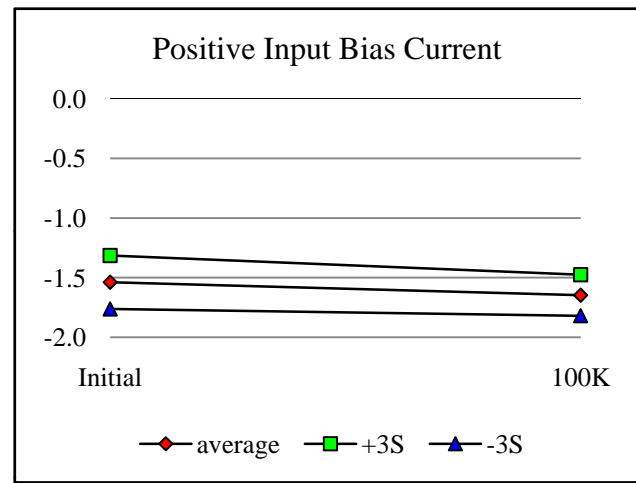
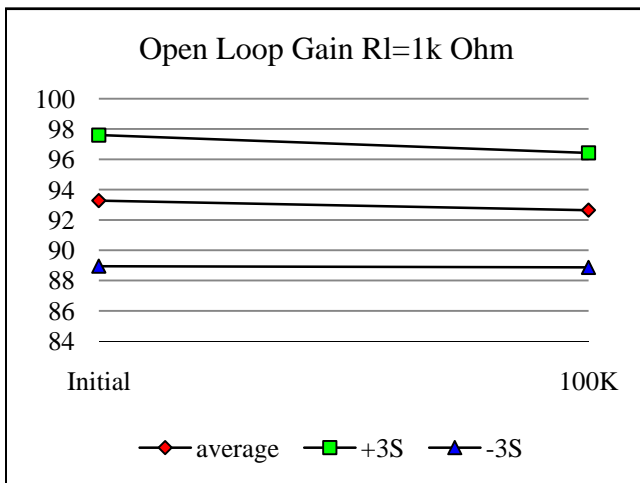
T# 7	+Vout RI=50 Ohm		V
SN	Initial	100K	
2	2.15502	2.14589	
3	2.15246	2.14909	
4	2.1627	2.16765	
5	2.1627	2.15101	
6	2.13838	2.14333	
min	2.13838	2.14333	
max	2.16270	2.16765	
stdev	0.01151	0.01044	
average	2.15406	2.15277	
+3S	2.18860	2.18410	
-3S	2.11952	2.12144	

T# 8	-Vout RI=50 Ohm		V
SN	Initial	100K	
2	-2.28953	-2.27561	
3	-2.28633	-2.28522	
4	-2.28505	-2.28522	
5	-2.28889	-2.28329	
6	-2.28121	-2.28522	
min	-2.28889	-2.28522	
max	-2.28121	-2.28329	
stdev	0.00320	0.00096	
average	-2.28537	-2.28474	
+3S	-2.27577	-2.28184	
-3S	-2.29497	-2.28763	



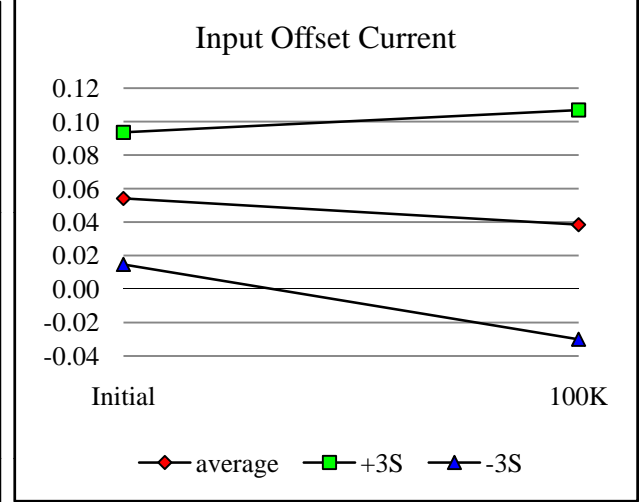
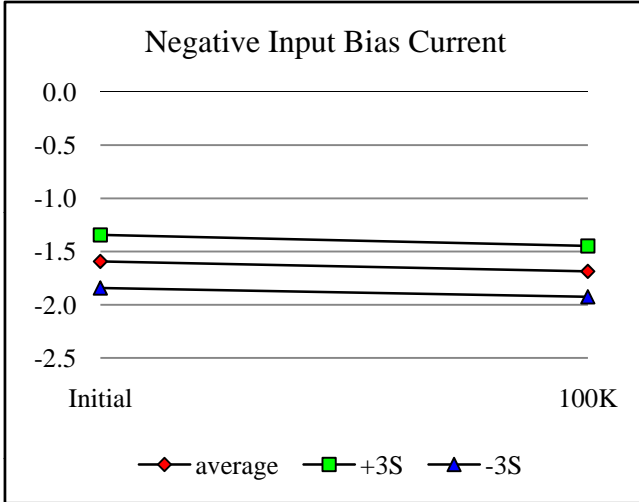
T# 11	Aol Vs=±2.5V RI=1k Ohm		dB
SN	Initial	100K	
2	92.02574	98.04079	
3	94.51897	92.00352	
4	94.53006	94.5356	
5	92.0202	92.03128	
6	92.03129	92.00909	
min	92.02020	92.00352	
max	94.53006	94.53560	
stdev	1.44268	1.26054	
average	93.27513	92.64487	
+3S	97.60317	96.42650	
-3S	88.94709	88.86325	

T# 13	+ Ibias Vs=±2.5V		uA
SN	Initial	100K	
2	-1.47506	-1.50016	
3	-1.56607	-1.66336	
4	-1.48134	-1.57548	
5	-1.47506	-1.63825	
6	-1.63198	-1.71357	
min	-1.63198	-1.71357	
max	-1.47506	-1.57548	
stdev	0.07481	0.05741	
average	-1.53861	-1.64767	
+3S	-1.31418	-1.47542	
-3S	-1.76305	-1.81991	



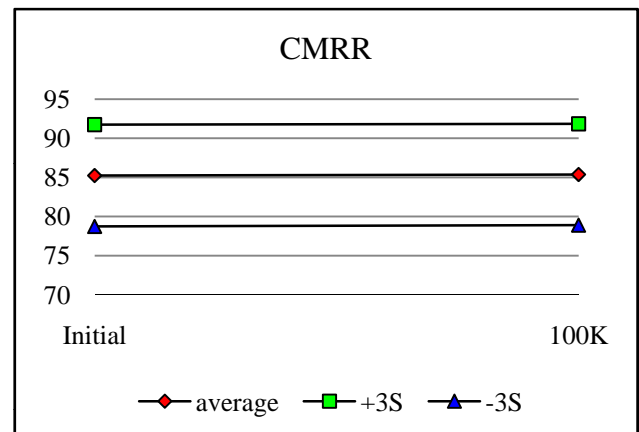
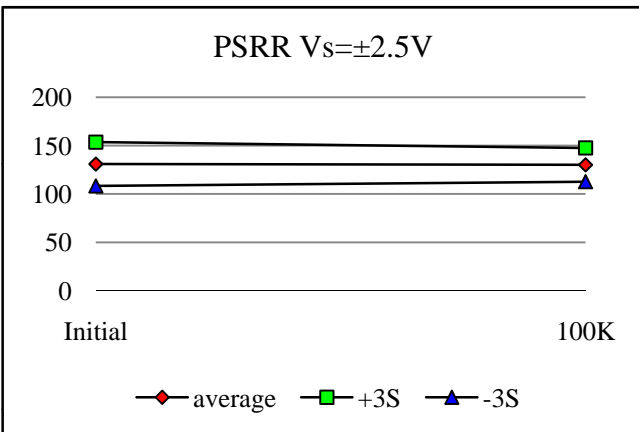
T# 14	- I _{bias} V _s =±2.5V		uA
SN	Initial	100K	
2	-1.53469	-1.52213	
3	-1.6257	-1.71044	
4	-1.51586	-1.58176	
5	-1.53469	-1.67905	
6	-1.69475	-1.7732	
min	-1.69475	-1.77320	
max	-1.51586	-1.58176	
stdev	0.08321	0.07982	
average	-1.59275	-1.68611	
+3S	-1.34311	-1.44664	
-3S	-1.84239	-1.92558	

T# 15	I _{OS} V _s =±2.5V		uA
SN	Initial	100K	
2	0.05963	0.02197	
3	0.05963	0.04708	
4	0.03452	0.00628	
5	0.05963	0.0408	
6	0.06277	0.05963	
min	0.03452	0.00628	
max	0.06277	0.05963	
stdev	0.01316	0.02283	
average	0.05414	0.03845	
+3S	0.09362	0.10693	
-3S	0.01465	-0.03004	



T# 21	PSRR V _s =±2.5V		dB
SN	Initial	100K	
2	126.462	126.704	
3	127.750	127.466	
4	142.248	138.716	
5	125.956	125.716	
6	128.053	128.955	
min	125.956	125.716	
max	142.248	138.716	
stdev	7.554	5.821	
average	131.002	130.213	
+3S	153.665	147.676	
-3S	108.339	112.751	

T# 22	CMRR		dB
SN	Initial	100K	
2	85.679	85.384	
3	86.299	85.983	
4	87.692	88.078	
5	82.885	83.105	
6	84.045	84.297	
min	82.885	83.105	
max	87.692	88.078	
stdev	2.168	2.160	
average	85.230	85.366	
+3S	91.736	91.844	
-3S	78.725	78.887	



T# 23	Disable Current		mA
SN	Initial	100K	
2	1.29092	1.28954	
3	1.26853	1.27355	
4	1.27813	1.28315	
5	1.27813	1.28635	
6	1.27493	1.26715	
min	1.26853	1.26715	
max	1.27813	1.28635	
stdev	0.00453	0.00881	
average	1.27493	1.27755	
+3S	1.28851	1.30399	
-3S	1.26135	1.25111	

