

HIGH DOSE RADIATION TEST REPORT AD9042S

May 2021
Generic

Radiation Test Report	
Product:	AD9042S
Gamma:	0,100k
Gamma Source:	Co60/TM1019 Condition A
Dose Rate:	115 Rad/s
Facilities:	VPT RAD
Tested:	4/07/21

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	SN	IVCC @ 5.0V (mA)		Power (mW)		ENC Iil @ 0V (uA)		ENC Iih @ 5V (uA)	
		PRE	100K	PRE	100K	PRE	100K	PRE	100K
CTRL	1	123.30	122.43	616.48	612.17	-290.74	-263.14	581.65	581.21
1	3	120.64	120.76	603.18	603.80	-285.42	-284.48	571.68	571.28
	4	121.93	122.09	609.66	610.46	-288.59	-285.05	575.08	574.89
	5	123.67	123.59	618.36	617.97	-293.80	-292.73	585.05	584.38
2	27	121.83	121.68	609.15	608.41	-290.18	-289.45	576.44	575.91
	29	123.33	123.22	616.65	616.09	-293.80	-295.55	589.47	588.78
	31	123.16	123.15	615.80	615.75	-293.69	-292.95	585.39	584.83
3	47	122.14	122.37	610.68	611.82	-291.53	-291.15	580.41	579.75
	48	124.29	123.90	621.43	619.51	-295.73	-296.91	589.81	588.78
	49	123.98	124.11	619.90	620.53	-298.33	-298.03	593.09	592.17
4	64	121.63	121.48	608.13	607.39	-290.86	-289.90	578.37	577.15
	65	123.67	123.49	618.36	617.46	-295.73	-296.23	590.83	589.91
	66	120.19	120.08	600.96	600.39	-284.74	-285.05	571.68	570.71
5	85	124.56	124.52	622.80	622.58	-296.97	-299.16	597.62	596.57
	87	123.71	123.70	618.53	618.48	-295.73	-292.50	589.81	589.01
6	105	119.20	119.09	596.01	595.44	-283.95	-282.00	561.49	560.78
	106	120.60	120.59	603.01	602.95	-285.87	-289.34	576.78	576.02
7	128	126.40	126.33	632.01	631.63	-301.96	-304.47	609.07	607.75
	129	124.12	124.00	620.58	620.02	-297.09	-294.31	592.19	592.05
8	140	122.44	122.37	612.22	611.82	-296.07	-294.08	588.79	588.22
	151	123.30	123.12	616.48	615.58	-296.52	-298.26	595.47	594.43
9	154	125.14	125.20	625.70	625.99	-303.43	-303.12	606.57	605.72
	156	125.04	125.16	625.19	625.82	-303.54	-301.76	601.70	601.20
10	177	119.95	119.87	599.76	599.36	-284.40	-283.24	564.43	563.71
	178	122.04	122.06	610.17	610.29	-291.87	-288.89	584.14	583.02
Min		119.20	119.09	596.01	595.44	-303.54	-304.47	561.49	560.78
Max		126.40	126.33	632.01	631.63	-283.95	-282.00	609.07	607.75
Mean		122.79	122.75	613.95	613.73	-293.32	-292.86	585.64	584.87
Stdev		1.82	1.82	9.12	9.12	5.79	6.28	12.25	12.16
Mean+3σ		128.26	128.22	641.30	641.10	-275.94	-274.01	622.38	621.37
Mean-3σ		117.32	117.27	586.59	586.36	-310.71	-311.70	548.90	548.38
Limit Hi		146	146	735	735	-200	-200	800	800
Limit Lo		0	0	0	0	-400	-400	450	450

		ENC Vil (V)		ENC Vih (V)		Vol Bit 0 (V)		Vol Bit 1 (V)	
	SN	PRE	100K	PRE	100K	PRE	100K	PRE	100K
CTRL	1	0.371	0.377	4.913	4.903	0.727	0.722	0.724	0.720
1	3	0.323	0.344	4.898	4.910	0.726	0.723	0.723	0.720
	4	0.346	0.358	4.912	4.905	0.722	0.722	0.719	0.720
	5	0.372	0.392	4.905	4.909	0.722	0.724	0.719	0.722
2	27	0.352	0.371	4.897	4.903	0.722	0.722	0.719	0.720
	29	0.388	0.414	4.899	4.904	0.727	0.724	0.724	0.721
	31	0.376	0.381	4.918	4.903	0.727	0.722	0.725	0.721
3	47	0.362	0.382	4.901	4.895	0.727	0.722	0.724	0.720
	48	0.395	0.418	4.909	4.901	0.721	0.723	0.719	0.720
	49	0.418	0.421	4.909	4.907	0.725	0.722	0.723	0.720
4	64	0.366	0.373	4.903	4.907	0.727	0.724	0.724	0.722
	65	0.394	0.410	4.906	4.909	0.721	0.722	0.719	0.720
	66	0.328	0.334	4.903	4.908	0.722	0.724	0.719	0.722
5	85	0.403	0.429	4.912	4.900	0.729	0.725	0.727	0.722
	87	0.382	0.404	4.909	4.910	0.722	0.725	0.719	0.722
6	105	0.300	0.326	4.905	4.910	0.724	0.724	0.722	0.721
	106	0.349	0.374	4.901	4.910	0.724	0.724	0.722	0.721
7	128	0.442	0.455	4.902	4.898	0.727	0.724	0.724	0.722
	129	0.402	0.412	4.910	4.898	0.722	0.726	0.719	0.724
8	140	0.395	0.403	4.891	4.910	0.726	0.725	0.724	0.722
	151	0.407	0.433	4.922	4.895	0.719	0.724	0.716	0.720
9	154	0.437	0.441	4.900	4.893	0.727	0.723	0.724	0.720
	156	0.424	0.447	4.891	4.896	0.719	0.719	0.717	0.715
10	177	0.334	0.341	4.905	4.907	0.723	0.723	0.721	0.720
	178	0.364	0.389	4.897	4.908	0.727	0.719	0.723	0.715
	Min	0.300	0.326	4.891	4.893	0.719	0.719	0.716	0.715
	Max	0.442	0.455	4.922	4.910	0.729	0.726	0.727	0.724
	Mean	0.377	0.394	4.904	4.904	0.724	0.723	0.721	0.721
	Stdev	0.037	0.036	0.008	0.006	0.003	0.002	0.003	0.002
	Mean+3σ	0.488	0.503	4.927	4.921	0.733	0.728	0.730	0.727
	Mean-3σ	0.267	0.285	4.882	4.887	0.715	0.718	0.713	0.715
	Limit Hi	0.8	0.8	5.0	5.0	0.8	0.8	0.8	0.8
	Limit Lo	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0

	SN	Vol Bit 2 (V)		Vol Bit 3 (V)		Vol Bit 4 (V)		Vol Bit 5 (V)	
		PRE	100K	PRE	100K	PRE	100K	PRE	100K
CTRL	1	0.724	0.720	0.724	0.720	0.727	0.722	0.726	0.722
1	3	0.724	0.720	0.724	0.721	0.726	0.723	0.726	0.724
	4	0.719	0.720	0.719	0.720	0.721	0.722	0.721	0.722
	5	0.720	0.722	0.719	0.722	0.724	0.725	0.724	0.724
2	27	0.720	0.720	0.720	0.720	0.722	0.723	0.723	0.723
	29	0.724	0.722	0.725	0.722	0.727	0.724	0.727	0.724
	31	0.725	0.717	0.726	0.722	0.727	0.724	0.728	0.724
3	47	0.724	0.720	0.725	0.720	0.727	0.723	0.727	0.723
	48	0.719	0.721	0.719	0.721	0.721	0.724	0.721	0.724
	49	0.723	0.720	0.724	0.720	0.726	0.723	0.726	0.722
4	64	0.725	0.722	0.724	0.720	0.727	0.724	0.726	0.724
	65	0.719	0.720	0.719	0.720	0.721	0.724	0.721	0.722
	66	0.719	0.722	0.719	0.722	0.722	0.724	0.722	0.724
5	85	0.727	0.722	0.727	0.723	0.729	0.726	0.729	0.726
	87	0.720	0.722	0.720	0.722	0.723	0.725	0.723	0.726
6	105	0.722	0.722	0.722	0.722	0.725	0.724	0.725	0.722
	106	0.722	0.721	0.722	0.722	0.724	0.724	0.724	0.724
7	128	0.724	0.722	0.724	0.722	0.726	0.724	0.726	0.724
	129	0.720	0.724	0.720	0.724	0.722	0.726	0.722	0.726
8	140	0.724	0.722	0.724	0.722	0.727	0.726	0.727	0.726
	151	0.717	0.721	0.718	0.722	0.719	0.724	0.719	0.724
9	154	0.724	0.720	0.724	0.720	0.726	0.723	0.726	0.723
	156	0.718	0.716	0.717	0.715	0.719	0.718	0.719	0.718
10	177	0.721	0.720	0.721	0.721	0.724	0.724	0.724	0.724
	178	0.724	0.717	0.724	0.717	0.726	0.719	0.726	0.719
	Min	0.717	0.716	0.717	0.715	0.719	0.718	0.719	0.718
	Max	0.727	0.724	0.727	0.724	0.729	0.726	0.729	0.726
	Mean	0.722	0.721	0.722	0.721	0.724	0.724	0.724	0.723
	Stdev	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
	Mean+3σ	0.730	0.726	0.730	0.727	0.733	0.729	0.733	0.729
	Mean-3σ	0.714	0.715	0.713	0.715	0.716	0.718	0.716	0.718
	Limit Hi	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	Limit Lo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

	SN	Vol Bit 6 (V)		Vol Bit 7 (V)		Vol Bit 8 (V)		Vol Bit 9 (V)	
		PRE	100K	PRE	100K	PRE	100K	PRE	100K
CTRL	1	0.729	0.724	0.727	0.723	0.724	0.719	0.725	0.721
1	3	0.727	0.724	0.726	0.724	0.723	0.720	0.725	0.722
	4	0.722	0.723	0.722	0.724	0.719	0.719	0.720	0.722
	5	0.724	0.726	0.723	0.724	0.720	0.721	0.720	0.722
2	27	0.724	0.724	0.724	0.724	0.720	0.719	0.720	0.722
	29	0.729	0.725	0.728	0.724	0.725	0.721	0.726	0.723
	31	0.729	0.724	0.729	0.725	0.725	0.721	0.727	0.723
3	47	0.728	0.724	0.728	0.724	0.725	0.720	0.725	0.722
	48	0.723	0.724	0.721	0.724	0.718	0.721	0.720	0.722
	49	0.726	0.723	0.726	0.723	0.723	0.719	0.725	0.722
4	64	0.727	0.724	0.727	0.724	0.725	0.721	0.725	0.722
	65	0.722	0.724	0.722	0.724	0.718	0.720	0.720	0.722
	66	0.723	0.726	0.724	0.726	0.720	0.722	0.720	0.724
5	85	0.730	0.726	0.730	0.726	0.727	0.724	0.728	0.724
	87	0.724	0.726	0.724	0.726	0.720	0.722	0.722	0.724
6	105	0.726	0.724	0.726	0.724	0.723	0.721	0.724	0.722
	106	0.726	0.725	0.725	0.725	0.722	0.722	0.723	0.723
7	128	0.728	0.726	0.727	0.726	0.724	0.722	0.725	0.724
	129	0.724	0.727	0.724	0.728	0.720	0.724	0.721	0.725
8	140	0.729	0.727	0.727	0.726	0.723	0.722	0.725	0.724
	151	0.719	0.725	0.719	0.724	0.716	0.722	0.717	0.722
9	154	0.728	0.724	0.728	0.724	0.723	0.719	0.725	0.722
	156	0.721	0.720	0.719	0.719	0.717	0.717	0.717	0.719
10	177	0.724	0.725	0.724	0.725	0.720	0.721	0.722	0.722
	178	0.727	0.721	0.727	0.721	0.723	0.717	0.725	0.718
	Min	0.719	0.720	0.719	0.719	0.716	0.717	0.717	0.718
	Max	0.730	0.727	0.730	0.728	0.727	0.724	0.728	0.725
	Mean	0.725	0.724	0.725	0.724	0.722	0.721	0.723	0.722
	Stdev	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
	Mean+3σ	0.734	0.729	0.734	0.730	0.730	0.726	0.732	0.727
	Mean-3σ	0.717	0.719	0.716	0.719	0.713	0.715	0.714	0.718
	Limit Hi	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	Limit Lo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

		Vol Bit 10 (V)		Voh Bit 11 (V)		Voh Bit 0 (V)		Voh Bit 1 (V)	
	SN	PRE	100K	PRE	100K	PRE	100K	PRE	100K
CTRL	1	0.673	0.649	4.240	4.219	4.235	4.243	4.234	4.241
1	3	0.673	0.649	4.245	4.221	4.239	4.244	4.236	4.241
	4	0.668	0.647	4.248	4.221	4.240	4.241	4.238	4.239
	5	0.668	0.649	4.248	4.219	4.241	4.242	4.239	4.239
2	27	0.668	0.647	4.248	4.222	4.243	4.244	4.240	4.241
	29	0.673	0.649	4.243	4.218	4.235	4.241	4.234	4.238
	31	0.673	0.649	4.243	4.220	4.237	4.243	4.235	4.240
3	47	0.673	0.649	4.243	4.219	4.236	4.241	4.235	4.239
	48	0.668	0.649	4.248	4.218	4.242	4.241	4.240	4.239
	49	0.672	0.648	4.243	4.220	4.237	4.243	4.235	4.240
4	64	0.673	0.649	4.241	4.219	4.235	4.242	4.234	4.239
	65	0.668	0.649	4.248	4.219	4.240	4.241	4.237	4.236
	66	0.668	0.649	4.247	4.219	4.240	4.241	4.238	4.238
5	85	0.674	0.652	4.243	4.219	4.236	4.241	4.234	4.239
	87	0.670	0.652	4.246	4.217	4.242	4.241	4.240	4.238
6	105	0.671	0.647	4.245	4.219	4.239	4.242	4.236	4.239
	106	0.670	0.649	4.246	4.219	4.240	4.241	4.238	4.239
7	128	0.673	0.651	4.243	4.217	4.238	4.241	4.235	4.238
	129	0.668	0.652	4.248	4.217	4.240	4.239	4.238	4.236
8	140	0.673	0.649	4.243	4.217	4.237	4.241	4.235	4.238
	151	0.665	0.649	4.253	4.219	4.244	4.241	4.243	4.238
9	154	0.673	0.649	4.243	4.220	4.236	4.241	4.234	4.238
	156	0.665	0.644	4.253	4.225	4.245	4.246	4.243	4.244
10	177	0.669	0.647	4.247	4.219	4.240	4.243	4.238	4.239
	178	0.673	0.644	4.245	4.225	4.238	4.246	4.236	4.244
	Min	0.665	0.644	4.241	4.217	4.235	4.239	4.234	4.236
	Max	0.674	0.652	4.253	4.225	4.245	4.246	4.243	4.244
	Mean	0.670	0.649	4.246	4.220	4.239	4.242	4.237	4.239
	Stdev	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
	Mean+3σ	0.679	0.655	4.255	4.226	4.247	4.247	4.245	4.245
	Mean-3σ	0.662	0.643	4.236	4.213	4.231	4.237	4.229	4.233
	Limit Hi	0.8	0.8	5.0	5.0	5.0	5.0	5.0	5.0
	Limit Lo	0.0	0.0	3.5	3.5	3.5	3.5	3.5	3.5

	SN	Voh Bit 2 (V)		Voh Bit 3 (V)		Voh Bit 4 (V)		Voh Bit 5 (V)	
		PRE	100K	PRE	100K	PRE	100K	PRE	100K
CTRL	1	4.234	4.240	4.234	4.241	4.237	4.245	4.237	4.245
1	3	4.238	4.242	4.238	4.242	4.241	4.246	4.241	4.246
	4	4.237	4.238	4.239	4.240	4.243	4.245	4.242	4.244
	5	4.240	4.240	4.240	4.240	4.243	4.244	4.242	4.243
2	27	4.241	4.242	4.240	4.242	4.245	4.246	4.244	4.246
	29	4.235	4.238	4.235	4.239	4.238	4.243	4.239	4.243
	31	4.235	4.241	4.235	4.241	4.239	4.245	4.239	4.245
3	47	4.235	4.239	4.235	4.239	4.238	4.244	4.238	4.244
	48	4.240	4.239	4.240	4.239	4.244	4.244	4.243	4.243
	49	4.235	4.241	4.236	4.241	4.239	4.245	4.239	4.244
4	64	4.234	4.239	4.235	4.241	4.237	4.245	4.237	4.245
	65	4.239	4.239	4.239	4.238	4.242	4.243	4.242	4.243
	66	4.239	4.239	4.236	4.236	4.242	4.243	4.242	4.243
5	85	4.235	4.239	4.235	4.239	4.237	4.243	4.237	4.243
	87	4.240	4.239	4.240	4.239	4.244	4.243	4.243	4.243
6	105	4.237	4.240	4.238	4.241	4.242	4.245	4.241	4.245
	106	4.238	4.239	4.238	4.240	4.242	4.243	4.241	4.243
7	128	4.236	4.239	4.237	4.239	4.240	4.243	4.239	4.243
	129	4.239	4.237	4.240	4.238	4.244	4.243	4.243	4.242
8	140	4.236	4.239	4.236	4.238	4.239	4.243	4.239	4.243
	151	4.241	4.237	4.243	4.239	4.247	4.243	4.246	4.243
9	154	4.235	4.239	4.235	4.240	4.239	4.244	4.239	4.244
	156	4.243	4.244	4.243	4.246	4.247	4.249	4.247	4.249
10	177	4.239	4.241	4.239	4.241	4.242	4.243	4.241	4.243
	178	4.235	4.244	4.237	4.244	4.239	4.248	4.239	4.248
	Min	4.234	4.237	4.235	4.236	4.237	4.243	4.237	4.242
	Max	4.243	4.244	4.243	4.246	4.247	4.249	4.247	4.249
	Mean	4.238	4.240	4.238	4.240	4.241	4.244	4.241	4.244
	Stdev	0.003	0.002	0.002	0.002	0.003	0.002	0.003	0.002
	Mean+3σ	4.245	4.245	4.245	4.246	4.250	4.249	4.249	4.249
	Mean-3σ	4.230	4.234	4.230	4.234	4.233	4.239	4.233	4.239
	Limit Hi	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	Limit Lo	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5

	SN	Voh Bit 6 (V)		Voh Bit 7 (V)		Voh Bit 8 (V)		Voh Bit 9 (V)	
		PRE	100K	PRE	100K	PRE	100K	PRE	100K
CTRL	1	4.238	4.246	4.237	4.244	4.238	4.245	4.243	4.251
1	3	4.242	4.247	4.242	4.247	4.239	4.245	4.243	4.250
	4	4.244	4.245	4.243	4.245	4.244	4.245	4.250	4.251
	5	4.244	4.245	4.242	4.243	4.243	4.244	4.248	4.248
2	27	4.245	4.248	4.245	4.247	4.243	4.245	4.248	4.251
	29	4.239	4.243	4.238	4.243	4.238	4.244	4.242	4.248
	31	4.239	4.245	4.240	4.246	4.238	4.243	4.242	4.248
3	47	4.239	4.245	4.238	4.244	4.239	4.245	4.245	4.251
	48	4.245	4.245	4.244	4.244	4.243	4.243	4.248	4.248
	49	4.240	4.245	4.239	4.244	4.240	4.245	4.245	4.250
4	64	4.239	4.245	4.239	4.245	4.238	4.245	4.243	4.250
	65	4.243	4.243	4.242	4.243	4.243	4.244	4.248	4.248
	66	4.244	4.244	4.242	4.243	4.242	4.243	4.246	4.246
5	85	4.239	4.244	4.238	4.243	4.236	4.243	4.242	4.248
	87	4.245	4.244	4.244	4.243	4.243	4.243	4.249	4.248
6	105	4.242	4.245	4.242	4.245	4.240	4.245	4.246	4.250
	106	4.242	4.245	4.242	4.244	4.241	4.243	4.246	4.249
7	128	4.240	4.243	4.240	4.243	4.240	4.243	4.245	4.248
	129	4.244	4.243	4.244	4.243	4.242	4.241	4.248	4.246
8	140	4.240	4.243	4.240	4.243	4.240	4.243	4.245	4.248
	151	4.245	4.242	4.246	4.243	4.246	4.243	4.253	4.250
9	154	4.239	4.245	4.238	4.243	4.239	4.245	4.244	4.250
	156	4.247	4.248	4.247	4.250	4.246	4.248	4.251	4.254
10	177	4.242	4.244	4.242	4.244	4.243	4.245	4.248	4.251
	178	4.240	4.249	4.239	4.248	4.240	4.248	4.244	4.253
	Min	4.239	4.242	4.238	4.243	4.236	4.241	4.242	4.246
	Max	4.247	4.249	4.247	4.250	4.246	4.248	4.253	4.254
	Mean	4.242	4.245	4.242	4.244	4.241	4.244	4.246	4.249
	Stdev	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
	Mean+3σ	4.250	4.250	4.249	4.250	4.249	4.249	4.255	4.255
	Mean-3σ	4.234	4.240	4.234	4.239	4.233	4.239	4.237	4.243
	Limit Hi	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	Limit Lo	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5

		Voh Bit 10 (V)		Vol Bit 11 (V)		Gain Error (%FS)		Offset Error (mV)	
	SN	PRE	100K	PRE	100K	PRE	100K	PRE	100K
CTRL	1	4.192	4.188	0.725	0.689	-4.451	-3.208	-1.183	-0.980
1	3	4.193	4.186	0.725	0.690	-4.264	-4.000	-0.195	-0.483
	4	4.199	4.188	0.720	0.688	-4.903	-4.709	-0.303	-1.151
	5	4.197	4.186	0.720	0.690	-5.156	-4.804	-5.300	-2.178
2	27	4.199	4.188	0.720	0.688	-4.031	-3.746	-0.289	-1.136
	29	4.192	4.186	0.725	0.691	-4.368	-3.990	0.419	-0.085
	31	4.192	4.186	0.726	0.691	-3.818	-3.612	0.050	-0.095
3	47	4.194	4.188	0.725	0.690	-4.091	-3.825	-1.683	-2.112
	48	4.199	4.186	0.720	0.691	-4.039	-3.846	-3.887	-1.221
	49	4.194	4.188	0.725	0.691	-4.219	-4.044	-1.123	-2.375
4	64	4.192	4.186	0.725	0.691	-4.163	-3.872	-0.205	-1.228
	65	4.196	4.185	0.720	0.690	-3.536	-1.674	-0.416	-1.609
	66	4.196	4.185	0.720	0.691	-4.493	-4.339	-0.403	-1.438
5	85	4.191	4.184	0.727	0.692	-3.779	-3.438	-0.301	-0.520
	87	4.198	4.186	0.721	0.693	-3.615	-1.505	0.322	-0.576
6	105	4.196	4.188	0.724	0.691	-4.312	-4.085	-0.627	-1.611
	106	4.196	4.186	0.723	0.691	-4.827	-4.364	-4.230	-0.637
7	128	4.194	4.186	0.725	0.692	-3.685	-3.391	0.156	9.421
	129	4.199	4.185	0.720	0.693	-4.268	-4.292	-0.105	-1.280
8	140	4.194	4.186	0.725	0.691	-3.583	-3.320	-0.605	-0.364
	151	4.202	4.187	0.717	0.691	-3.250	0.330	-8.459	-1.126
9	154	4.194	4.188	0.725	0.690	-3.667	-1.682	-0.852	-2.039
	156	4.201	4.191	0.717	0.685	0.141	0.584	-0.110	-1.167
10	177	4.196	4.187	0.721	0.689	-5.247	-4.907	-0.714	-1.829
	178	4.194	4.191	0.725	0.685	-4.180	-3.801	4.148	-0.837
	Min	4.191	4.184	0.717	0.685	-5.247	-4.907	-8.459	-2.375
	Max	4.202	4.191	0.727	0.693	0.141	0.584	4.148	9.421
	Mean	4.196	4.187	0.723	0.690	-3.973	-3.347	-1.030	-0.737
	Stdev	0.003	0.002	0.003	0.002	1.014	1.479	2.391	2.258
	Mean+3σ	4.205	4.192	0.731	0.696	-0.931	1.091	6.144	6.039
	Mean-3σ	4.187	4.182	0.714	0.684	-7.015	-7.785	-8.203	-7.512
	Limit Hi	5.0	5.0	0.8	0.8	6.5	6.5	10.0	10.0
	Limit Lo	3.5	3.5	0.0	0.0	-6.5	-6.5	-10.0	-10.0

		PSRR (mV/V)		DNL min (LSB)		DNL max (LSB)		SNR @1.2 MHz (dB)	
	SN	PRE	100K	PRE	100K	PRE	100K	PRE	100K
CTRL	1	5.68	0.90	-0.68	-0.65	0.47	0.44	60.33	57.35
1	3	0.074	0.925	-1.000	-0.427	1.311	0.533	61.232	59.604
	4	-0.339	1.007	-0.744	-0.818	0.505	1.573	61.463	58.584
	5	0.233	0.945	-0.575	-0.520	0.511	0.423	60.677	58.444
2	27	17.773	0.945	-0.695	-0.567	0.489	0.468	60.208	58.660
	29	-6.094	1.161	-0.777	-0.597	0.464	0.481	59.792	58.204
	31	-0.618	1.050	-0.866	-0.728	1.027	0.473	60.491	58.438
3	47	0.869	1.051	-0.736	-0.588	0.557	0.452	60.600	58.038
	48	2.742	0.916	-0.705	-0.604	0.429	0.379	60.353	57.666
	49	-1.837	0.914	-0.424	-0.402	0.421	0.506	60.727	59.291
4	64	-13.710	0.895	-0.710	-0.505	0.383	0.372	61.103	58.425
	65	11.173	0.963	-0.727	-0.642	0.456	0.448	60.642	57.633
	66	7.339	0.869	-0.719	-0.554	0.517	0.529	61.308	59.508
5	85	0.150	1.004	-0.546	-0.508	0.408	0.421	60.134	57.852
	87	-0.057	0.961	-0.625	-0.453	0.434	0.422	61.070	58.962
6	105	9.154	0.815	-0.662	-0.550	0.454	0.396	60.133	59.072
	106	0.253	0.990	-0.739	-0.684	0.660	0.421	60.839	58.587
7	128	0.450	0.119	-0.840	-0.754	0.708	0.498	59.518	57.490
	129	-0.082	0.470	-0.709	-0.653	0.475	0.553	61.099	58.834
8	140	5.522	1.129	-0.444	-0.631	0.513	0.571	60.995	57.705
	151	0.072	0.952	-0.677	-1.000	0.400	1.125	61.317	58.220
9	154	-1.080	0.871	-0.511	-1.000	0.400	1.448	60.043	56.666
	156	-0.007	0.975	-0.637	-0.604	0.420	0.342	60.523	59.053
10	177	0.116	0.904	-0.811	-0.604	0.657	0.361	61.280	58.392
	178	-16.145	0.876	-0.757	-0.691	0.383	0.313	60.992	59.141
	Min	-16.15	0.12	-1.00	-1.00	0.38	0.31	59.52	56.67
	Max	17.77	1.16	-0.42	-0.40	1.31	1.57	61.46	59.60
	Mean	0.66	0.90	-0.69	-0.63	0.54	0.56	60.69	58.44
	Stdev	6.91	0.21	0.13	0.15	0.22	0.33	0.53	0.71
	Mean+3σ	21.39	1.54	-0.30	-0.17	1.19	1.55	62.26	60.55
	Mean-3σ	-20.06	0.27	-1.08	-1.08	-0.11	-0.43	59.11	56.32
	Limit Hi	20.0	20.0	0.0	0.0	2.0	2.0	99.0	99.0
	Limit Lo	-20.0	-20.0	-2.0	-2.0	0.0	0.0	52.0	52.0

		SINAD @1.2 MHz (dB)		Worst Spur @ 1.2MHz (dB)		SNR @9.6 MHz (dB)		SINAD @9.6 MHz (dB)	
	SN	PRE	100K	PRE	100K	PRE	100K	PRE	100K
CTRL	1	59.98	56.94	74.24	72.73	58.93	56.18	58.06	54.80
1	3	60.94	59.17	76.53	70.93	58.59	58.86	55.73	57.11
	4	61.25	58.01	75.88	68.35	58.75	58.05	56.71	55.33
	5	60.44	57.96	76.35	69.01	58.75	57.65	57.33	56.13
2	27	60.06	58.42	77.41	71.91	58.50	58.48	57.23	56.98
	29	59.37	57.64	72.62	69.83	56.41	57.87	55.66	55.78
	31	60.18	58.09	76.31	70.63	58.31	57.93	56.75	57.02
3	47	60.29	57.76	76.68	70.69	58.08	58.19	56.96	54.72
	48	60.15	57.36	76.78	68.24	58.08	56.72	56.71	53.86
	49	60.46	58.84	75.37	70.95	59.06	57.63	57.85	55.88
4	64	60.80	58.14	76.86	71.27	59.61	57.37	58.08	54.84
	65	60.36	57.31	74.98	69.10	58.70	56.83	57.36	55.49
	66	61.09	59.22	76.41	71.71	59.96	58.36	57.84	55.09
5	85	59.83	57.59	73.68	71.64	58.50	57.31	56.48	56.12
	87	60.77	58.57	74.83	69.90	57.65	58.16	56.26	57.17
6	105	59.85	58.70	74.68	72.25	58.25	57.83	56.82	55.53
	106	60.60	58.05	77.86	71.70	58.24	58.41	57.46	55.58
7	128	59.19	57.05	74.18	70.76	56.84	56.13	54.83	54.32
	129	60.85	58.40	74.30	71.79	53.87	57.76	53.04	56.39
8	140	60.80	57.51	74.44	69.01	58.83	58.42	57.57	56.23
	151	61.08	57.94	76.09	68.97	59.58	57.24	57.82	54.62
9	154	59.81	56.54	73.62	73.07	59.13	57.64	56.51	56.20
	156	60.20	58.47	74.98	69.03	58.40	59.41	56.43	57.20
10	177	60.89	57.99	76.39	70.64	59.75	57.20	57.53	54.98
	178	60.72	58.79	77.35	70.61	59.70	57.64	58.74	54.47
	Min	59.19	56.54	72.62	68.24	53.87	56.13	53.04	53.86
	Max	61.25	59.22	77.86	73.07	59.96	59.41	58.74	57.20
	Mean	60.42	58.06	75.61	70.50	58.40	57.80	56.82	55.71
	Stdev	0.54	0.66	1.37	1.32	1.29	0.71	1.18	0.98
	Mean+3σ	62.04	60.04	79.70	74.46	62.26	59.93	60.36	58.64
	Mean-3σ	58.79	56.08	71.51	66.54	54.54	55.66	53.28	52.78
	Limit Hi	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	Limit Lo	52.0	52.0	57.0	57.0	52.0	52.0	52.0	52.0

		Worst Spur @ 9.6 MHz (dB)		SNR @19.6 MHz (dB)		SINAD @19.6 MHz (dB)		Worst Spur @ 19.6 MHz (dB)	
	SN	PRE	100K	PRE	100K	PRE	100K	PRE	100K
CTRL	1	66.72	62.34	54.53	53.64	53.78	53.01	63.66	66.33
1	3	63.29	65.48	54.65	54.23	54.03	53.32	64.33	62.81
	4	65.24	61.29	55.04	53.90	54.20	53.18	62.63	65.20
	5	66.20	63.54	53.79	54.69	53.17	53.65	64.90	63.57
2	27	65.69	66.49	53.97	54.12	53.34	53.32	64.41	65.43
	29	62.58	63.85	53.94	54.70	53.28	53.32	65.45	62.46
	31	65.04	67.26	53.80	54.35	53.08	53.09	62.68	62.06
3	47	67.87	62.70	54.21	54.03	53.55	53.17	64.11	64.41
	48	65.16	60.33	54.15	54.47	53.64	53.41	65.34	63.60
	49	67.96	62.93	54.38	53.85	53.69	53.03	64.38	64.84
4	64	68.05	62.81	55.22	54.35	54.55	53.38	64.36	64.51
	65	67.30	64.15	54.80	53.99	54.35	53.22	67.29	65.35
	66	65.30	61.11	55.16	54.04	54.64	53.39	66.73	66.23
5	85	66.71	65.80	54.07	54.41	53.20	53.29	62.07	63.61
	87	63.84	68.50	55.01	53.81	54.29	53.12	65.35	65.42
6	105	64.73	61.07	55.05	53.72	54.20	53.12	62.69	65.86
	106	65.27	62.82	54.77	54.49	54.05	53.62	62.75	64.61
7	128	62.57	63.17	53.99	55.00	53.26	53.09	65.40	59.03
	129	63.98	65.44	55.08	54.25	54.22	53.76	63.28	66.66
8	140	66.73	64.98	54.50	54.09	54.11	53.29	66.78	64.56
	151	65.10	63.09	55.20	54.88	54.52	53.92	64.66	62.93
9	154	64.92	66.62	54.32	54.01	53.85	53.28	68.04	63.77
	156	63.16	65.08	54.87	54.93	53.86	53.36	62.99	62.04
10	177	64.97	61.74	54.55	53.57	53.98	53.09	63.76	67.59
	178	69.16	61.12	54.33	53.74	53.64	53.35	63.22	67.18
	Min	62.57	60.33	53.79	53.57	53.08	53.03	62.07	59.03
	Max	69.16	68.50	55.22	55.00	54.64	53.92	68.04	67.59
	Mean	65.45	63.81	54.54	54.23	53.86	53.32	64.48	64.32
	Stdev	1.78	2.20	0.48	0.40	0.47	0.22	1.60	1.90
	Mean+3σ	70.78	70.40	55.97	55.44	55.28	53.99	69.29	70.02
	Mean-3σ	60.12	57.21	53.10	53.03	52.44	52.66	59.68	58.62
	Limit Hi	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	Limit Lo	57.0	57.0	52.0	52.0	52.0	52.0	57.0	57.0











