

## RADIATION TEST REPORT

PRODUCT:	AD8306AF/QMLR
GAMMA:	30k,50k,100k, 24Hr/ TM1019 Condition A
GAMMA SOURCE:	Co60
DOSE RATE:	114 Rad(si)/s
FACILITIES:	University of Massachusetts @ Lowell
TESTED:	1/24/12

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SN	VLIM10 LMHI Swing +5.0V 5MHz					VLIM10 LMLO Swing +5.0V 5MHz					FLIM LMHI LIM10 +5.0V 5MHz				
	V					V					MHz				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	0.84615	0.84586	0.84586	0.84586	0.84483	0.84615	0.84482	0.84482	0.84482	0.84482	5.00068	4.999	4.999	4.999	5.00003
64	0.84096	0.83964	0.83964	0.83964	0.83964	0.83992	0.84171	0.84171	0.84171	0.83964	4.99989	4.9997	4.9997	4.9997	5.0003
4	0.84304			0.84379	0.84379	0.84304			0.84482	0.84379	5.00032			5.00095	5.00184
5	0.84096			0.84171	0.84275	0.84096			0.84171	0.84171	4.99871			4.99996	5.00173
6	0.83681			0.83756	0.83756	0.83785			0.83756	0.8386	5.00037			4.99915	4.99938
7	0.84615			0.84483	0.84483	0.84408			0.84586	0.84586	5.00006			4.99975	4.99956
40	0.84096			0.84067	0.84171	0.84096			0.84171	0.84171	5.00012			5.00016	5.00011
41	0.84615			0.8469	0.84719	0.84719			0.8469	0.8469	4.99768			4.99983	4.99949
42	0.83889			0.83964	0.83964	0.83992			0.84067	0.84067	4.99991			5.00082	5.00012
43	0.84096			0.84171	0.84067	0.84096			0.84067	0.84067	5.00157			4.99962	4.99983
8	0.83473		0.83756		0.83652	0.83577		0.83756		0.83652	4.99968		5.0009		4.99861
9	0.83577		0.83548		0.83548	0.83577		0.83445		0.83445	5.00088		4.9994		4.99982
44	0.84512		0.84379		0.84483	0.84511		0.84275		0.84482	5.00132		5.00089		4.99972
45	0.84304		0.84171		0.84275	0.84304		0.84067		0.84067	5.00035		5.0002		5.0012
10	0.83889	0.83756			0.83756	0.83889	0.83756			0.83652	4.99935	5.00081			5.00038
11	0.83369	0.83341			0.83341	0.83369	0.83341			0.83237	5.00298	4.99991			4.99928
46	0.83577	0.83341			0.83652	0.83577	0.83445			0.83445	5.00047	4.99984			4.99979
47	0.83577	0.83548			0.83548	0.83577	0.83548			0.83445	5.00153	4.99944			5.00079
min	0.83681	0.83341	0.83548	0.83756	0.83756	0.83785	0.83341	0.83445	0.83756	0.83860	4.99768	4.99944	4.99940	4.99915	4.99938
max	0.84615	0.83756	0.84379	0.84690	0.84690	0.84719	0.83756	0.84275	0.84690	0.84690	5.00157	5.00081	5.00090	5.00095	5.00184
mean	0.84174	0.83497	0.83964	0.84210	0.84223	0.84187	0.83523	0.83886	0.84249	0.84249	4.99984	5.00000	5.00035	5.00003	5.00026
std. dev	0.00327	0.00199	0.00379	0.00298	0.00299	0.00285	0.00177	0.00363	0.00313	0.00281	0.00117	0.00058	0.00071	0.00060	0.00098
mean - 3 sigma	0.83193	0.82901	0.82826	0.83315	0.83327	0.83331	0.82991	0.82797	0.83311	0.83404	4.99633	4.99827	4.99821	4.99822	4.99731
mean +3 sigma	0.85155	0.84092	0.85101	0.85106	0.85120	0.85043	0.84054	0.84975	0.85186	0.85093	5.00335	5.00173	5.00248	5.00184	5.00320

SN	FLIM LMLO LIM10 +5.0V 5MHz					VLIM1 LMHI Swing +5.0V 5MHz					VLIM1 LMLO Swing +5.0V 5MHz				
	MHz					V					V				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	5.00026	5.00065	5.00065	5.00065	4.99863	0.09447	0.09444	0.09444	0.09444	0.0934	0.09447	0.09444	0.09444	0.09444	0.09236
64	4.99962	4.99977	4.99977	4.99977	4.99998	0.09447	0.09236	0.09236	0.09236	0.09236	0.09343	0.09236	0.09236	0.09236	0.09236
4	4.99977			5.00038	4.99853	0.09447			0.0934	0.09236	0.09343			0.09444	0.09444
5	4.9997			4.99902	5.00066	0.09239			0.09444	0.09236	0.09343			0.09236	0.0934
6	4.99993			4.99929	4.99911	0.09447			0.0934	0.09236	0.09239			0.09236	0.0934
7	5.00081			4.99667	5.00145	0.09447			0.09444	0.0934	0.09343			0.09236	0.0934
40	5.00114			4.99979	4.99983	0.09239			0.09236	0.09236	0.09239			0.09236	0.09236
41	5.00026			5.00309	4.99956	0.09343			0.09236	0.09444	0.09447			0.09444	0.09444
42	5.00016			4.99931	4.99986	0.09239			0.0934	0.0934	0.09343			0.0934	0.0934
43	4.99967			4.99976	5.00215	0.09343			0.09236	0.0934	0.09343			0.09444	0.0934
8	4.99983		5		5.00015	0.09239		0.0934		0.0934	0.09239		0.09236		0.09236
9	5.00121		5.00128		5.00027	0.09239		0.0934		0.09236	0.09239		0.09132		0.09236
44	5.00047		5.0013		5.00013	0.09239		0.0934		0.09548	0.09343		0.09236		0.09236
45	4.99976		5.00006		4.99967	0.09239		0.0934		0.09444	0.09343		0.0934		0.0934
10	5.00009	5.00017			4.99971	0.09239	0.09236			0.09444	0.09447	0.09236			0.09236
11	5.00011	4.99881			5.00009	0.09343	0.0934			0.0934	0.09239	0.09132			0.0934
46	5.00111	4.99898			4.99818	0.09239	0.0934			0.0934	0.09239	0.09236			0.0934
47	5.00124	5.00038			4.99728	0.09136	0.0934			0.0934	0.09239	0.09236			0.09236
min	4.99967	4.99881	5.00000	4.99667	4.99853	0.09239	0.09236	0.09340	0.09236	0.09236	0.09239	0.09132	0.09132	0.09236	0.09236
max	5.00114	5.00038	5.00130	5.00309	5.00215	0.09447	0.09340	0.09340	0.09444	0.09444	0.09447	0.09236	0.09340	0.09444	0.09444
mean	5.00018	4.99959	5.00066	4.99966	5.00014	0.09343	0.09314	0.09340	0.09327	0.09301	0.09330	0.09210	0.09236	0.09327	0.09353
std. dev	0.00054	0.00080	0.00073	0.00177	0.00121	0.00096	0.00052	0.00000	0.00087	0.00077	0.00067	0.00052	0.00085	0.00103	0.00067
mean - 3 sigma	4.99856	4.99717	4.99848	4.99436	4.99652	0.09054	0.09158	0.09340	0.09067	0.09069	0.09130	0.09054	0.08981	0.09018	0.09153
mean +3 sigma	5.00180	5.00200	5.00284	5.00497	5.00376	0.09632	0.09470	0.09340	0.09587	0.09533	0.09530	0.09366	0.09491	0.09636	0.09553

SN	FLIM LMHI LIM1 +5.0V 5MHz					FLIM LMLO LIM1 +5.0V 5MHz					Lin Error LEAc +5.0V 5MHz				
	MHz					MHz					dB				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	5.01143	4.9948	4.9948	4.9948	5.04454	4.99431	4.96176	4.96176	4.96176	4.99626	0.08741	0.05606	0.05606	0.05606	0.05889
64	5.00535	4.99984	4.99984	4.99984	4.99525	4.99181	4.98986	4.98986	4.98986	5.00481	0.03788	0.02915	0.02915	0.02915	0.03164
4	4.98733			4.99328	4.99354	5.00591			5.02774	5.0232	0.08549			0.07673	0.08278
5	4.99441			4.98979	5.00402	4.99911			4.9929	5.00185	0.09103			0.04434	0.06468
6	5.02635			4.99825	4.9975	5.01835			4.99896	4.99316	0.05996			0.05205	0.06165
7	4.99872			4.99879	4.9954	5.0055			4.99505	4.99946	0.04438			0.03304	0.03234
40	5.00506			4.98026	5.00014	5.0173			4.99628	5.01908	0.0538			0.04361	0.05755
41	4.99712			5.05095	4.9964	4.99526			4.99803	5.00409	0.06945			0.06556	0.07238
42	5.01096			5.00103	4.99748	5.00571			5.0172	4.99615	0.0796			0.08346	0.08651
43	5.07434			5.0093	4.98518	5.00574			5.01516	5.00986	0.08527			0.07243	0.07131
8	4.97851			5.0358	4.9981			4.99922		4.98343	0.12696		0.06041		0.07038
9	5.00973			5.00754	5.03936	4.98703			4.98703	4.99987	0.06496		0.08649		0.05196
44	5.00657			5.01554	4.99127			5.00378		4.95945	0.06623		0.03367		0.01501
45	5.00834			4.98502	5.00731			4.98787		4.99618	0.06654		0.05534		0.05765
10	5.00998	4.99647	4.99647		4.99124	5.00786	5.01046			4.99701	0.08456	0.07694			0.08569
11	4.99843	4.99433	4.99433		4.99422	4.98731	4.98998			4.99987	0.05671	0.0819			0.08843
46	4.99883	4.99483	4.99483		4.99821	5.0054	5.0179			4.99941	0.06906	0.07888			0.09646
47	5.01053	5.01135	5.01135		5.01337	5.00477	5.01074			4.98918	0.0733				

SN	Transfer Slope VYac +5.0V 5MHz					Intercept VXac +5.0V 5MHz					VLOGM @PIN 3dBV +5.0V 5MHz				
	mV/dB					dBV					V				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	20.36987	20.3065	20.3065	20.3065	20.33998	-108.23984	-108.55651	-108.55651	-108.55651	-108.53756	2.1472	2.14993	2.14993	2.14993	2.15236
64	20.4113	20.38466	20.38466	20.38466	20.39355	-107.84629	-108.00724	-108.00724	-108.00724	-108.11615	2.14404	2.14571	2.14571	2.14571	2.1458
4	20.18278			20.10478	20.11269	-108.9066			-109.29966	-109.37088	2.14607			2.14771	2.14596
5	20.25118			20.15802	20.18848	-108.60849			-109.05986	-109.04273	2.14279			2.14425	2.14488
6	20.22716			20.14472	20.18164	-108.80162			-109.18073	-109.1089	2.14579			2.14736	2.14891
7	20.25845			20.20901	20.22057	-108.88936			-109.13832	-109.21365	2.15083			2.15174	2.15108
40	20.36038			20.27572	20.29535	-108.14002			-108.49836	-108.5207	2.14272			2.14288	2.14309
41	20.24329			20.16699	20.19971	-108.66915			-109.02533	-109.01918	2.14603			2.14678	2.1463
42	20.23496			20.17124	20.20079	-108.72995			-109.06779	-109.06714	2.14664			2.14766	2.14767
43	20.30842			20.23797	20.26267	-108.43296			-108.76811	-108.79	2.14541			2.14628	2.14617
8	20.30686		20.23315		20.27387	-108.54376		-108.93943		-108.9106	2.14786		2.14959		2.14881
9	20.2359		20.18339		20.18368	-108.69684		-108.99968		-109.10189	2.143		2.14427		2.14353
44	20.49879		20.44916		20.46369	-107.65392		-107.90749		-107.97921	2.14511		2.14759		2.14633
45	20.33949		20.31622		20.33181	-108.33799		-108.49498		-108.55014	2.14656		2.1482		2.1471
10	20.15691	20.1089			20.13331	-109.23195	-109.51318			-109.54261	2.14583	2.14696			2.14609
11	20.16926	20.10646			20.12294	-108.97334	-109.27121			-109.33128	2.1417	2.14225			2.14185
46	20.28496	20.20725			20.2273	-108.48162	-108.82849			-108.89312	2.14508	2.147			2.14611
47	20.43876	20.37822			20.41346	-108.00254	-108.2708			-108.29762	2.14768	2.14923			2.14937
min	20.18278	20.10646	20.18339	20.10478	20.11269	-108.90660	-109.51318	-108.99968	-109.29966	-109.37088	2.14272	2.14225	2.14427	2.14288	2.14309
max	20.36038	20.37822	20.44916	20.27572	20.29535	-108.14002	-108.27080	-107.90749	-108.49836	-108.52070	2.15083	2.14923	2.14959	2.15174	2.15108
mean	20.25833	20.20021	20.29548	20.18356	20.20774	-108.64727	-108.97092	-108.58540	-109.00477	-109.01665	2.14579	2.14636	2.14741	2.14683	2.14676
std. dev	0.05402	0.12762	0.11619	0.05464	0.05485	0.25683	0.54610	0.50488	0.25513	0.26005	0.00253	0.00294	0.00226	0.00263	0.00246
mean - 3 sigma	20.09627	19.81734	19.94692	20.01965	20.04320	-109.41776	-110.60922	-110.10003	-109.77017	-109.79679	2.13819	2.13755	2.14064	2.13894	2.13938
mean + 3 sigma	20.42038	20.58308	20.64404	20.34746	20.37228	-107.87678	-107.33262	-107.07077	-108.23938	-108.23651	2.15338	2.15517	2.15418	2.15472	2.15413

SN	Lin Error LEac +5.0V 100MHz					Transfer Slope VYac +5.0V 100MHz					Intercept VXac +5.0V 100MHz				
	dB					mV/dB					dBV				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	0.14311	0.12757	0.12757	0.12757	0.12013	20.10	20.06	20.06	20.06	20.08	-106.18	-106.39	-106.39	-106.39	-106.43
64	0.13912	0.13930	0.13930	0.13930	0.13945	20.19	20.15	20.15	20.15	20.16	-105.62	-105.81	-105.81	-105.81	-105.93
4	0.10894			0.10785	0.12756	19.92572			19.84049	19.87558	-106.82881			-107.17399	-107.168044
5	0.13023			0.14595	0.13779	20.01022			19.91478	19.94979	-106.48136			-106.85078	-106.85404
6	0.14434			0.10672	0.15697	20.02213			19.92558	19.96261	-106.56823			-106.94108	-106.885814
7	0.13257			0.12395	0.13310	20.03819			19.93806	19.98887	-106.73466			-107.04426	-107.006084
40	0.13656			0.13237	0.11131	20.11633			20.01997	20.02992	-105.97362			-106.34062	-106.388264
41	0.12350			0.11848	0.11006	19.97887			19.88016	19.91161	-106.5848			-106.93302	-106.948164
42	0.16899			0.14480	0.12716	19.99691			19.8856	19.89925	-106.54689			-106.9897	-107.055004
43	0.10646			0.08776	0.10813	20.04051			19.94141	19.98463	-106.33605			-106.68151	-106.671524
8	0.14622		0.13559		0.13593	20.06146		20.00356		20.03583	-106.42356		-106.72274		-106.714054
9	0.10704		0.12110		0.14718	19.99799		19.95892		19.95745	-106.61829		-106.75476		-106.900044
44	0.13459		0.15622		0.14374	20.26052		20.18941		20.20433	-105.4646		-105.76863		-105.845924
45	0.11371		0.12263		0.12180	20.12597		20.06338		20.09318	-106.07629		-106.33165		-106.357104
10	0.10764	0.10704			0.10209	19.9257	19.84867			19.88673	-107.11814	-107.41847			-107.4211724
11	0.07313	0.12042			0.11156	19.90778	19.8674			19.87809	-106.96936	-107.11519			-107.186904
46	0.10984	0.10428			0.10201	19.99524	19.95543			19.97872	-106.46566	-106.66461			-106.717724
47	0.15387	0.13079			0.14007	20.1758	20.12181			20.14873	-105.90493	-106.13213			-106.190844
min	0.10646	0.10428	0.12110	0.08776	0.10813	19.92572	19.84867	19.95892	19.84049	19.87558	-106.82881	-107.41847	-106.75476	-107.17399	-107.16804
max	0.16899	0.13079	0.15622	0.14595	0.15697	20.11633	20.12181	20.18941	20.01997	20.02992	-105.97362	-106.13213	-105.76863	-106.34062	-106.38826
mean	0.13145	0.11563	0.13389	0.12099	0.12651	20.01607	19.94833	20.05382	19.91826	19.95028	-106.50681	-106.83260	-106.39445	-106.86937	-106.87212
std. dev	0.02000	0.01232	0.01625	0.02005	0.01665	0.05491	0.12467	0.10001	0.05333	0.05188	0.26218	0.56035	0.45942	0.25698	0.24484
mean - 3 sigma	0.07146	0.07867	0.08514	0.06082	0.07657	19.85133	19.57432	19.75378	19.79463	19.79463	-107.29334	-108.51366	-107.77270	-107.64031	-107.60663
mean + 3 sigma	0.19143	0.15259	0.18263	0.18115	0.17645	20.18080	20.32234	20.35386	20.07823	20.10593	-105.72027	-105.15155	-105.01620	-106.09844	-106.13761

SN	VLOGM @PIN 3dBV +5.0V 100MHz					Is +2.7V				
	V					Is +2.7V				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	1.97171	1.97232	1.97232	1.97232	1.97293	15.81058	15.87098	15.87098	15.87098	15.76792
64	1.96833	1.96834	1.96834	1.96834	1.97002	15.75124	15.79290	15.79290	15.79290	15.74918
4	1.970406			1.969596	1.970266	15.73874			15.74606	15.73981
5	1.970776			1.968546	1.968946	15.91052			15.85224	15.90221
6	1.973596			1.971376	1.971466	15.92301			15.89284	15.93969
7	1.976056			1.974416	1.975706	15.85742			15.83662	15.85536
40	1.968936			1.967266	1.967246	15.72			15.73356	15.73981
41	1.970216			1.968466	1.968346	15.75436			15.76479	15.7523
42	1.970936			1.968946	1.968866	15.75748			15.77104	15.82101
43	1.970246			1.968396	1.967996	15.58258			15.56179	15.60239
8	1.973556		1.973086		1.973246	15.76373		15.87722		15.78666
9	1.970526		1.970556		1.969866	16.06981		16.10521		16.12707
44	1.971166		1.970346		1.969866	15.68877		15.66798		15.71117
45	1.972266		1.971086		1.971306	15.80433		15.80539		15.80539
10	1.974216	1.975096			1.975836	15.74186	15.73356			15.74293
11	1.969286	1.969356			1.969696	15.76685	15.72107			15.7242
46	1.970006	1.968236			1.969376	15.65441	15.63987			15.68047
47	1.973096	1.971936			1.972826	15.7606	15.7242			15.75855
min	1.96894	1.96824	1.97035	1.96727	1.96725	15.58258	15.63987	15.66798	15.56179	15.60239
max	1.97606	1.97510	1.97309	1.97442	1.97571	15.92301	15.73356	16.10521	15.89284	15.93969
mean	1.97140	1.97116	1.97127	1.96963	1.96998	15.78051	15.70468	15.86395	15.76987	15.79407
std. dev	0.00230	0.00305	0.00125	0.00227	0.00268	0.11271	0.04353	0.18277	0.10112	0.10807
mean - 3 sigma	1.96451	1.96201	1.96752	1.96282	1.96194	15.44239	15.57409	15.31564	15.46652	15.46986
mean + 3 sigma	1.97828	1.98030	1.97502	1.97644	1.97802	16.11864	15.83526	16.41226	16.07322	16.11829

SN	Idis +2.7V					Ilim10 +2.7V					Ilim1 +2.7V					
	uA					mA					mA					
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	
38	-1.29409	-2.73311	-2.73311	-2.73311	-0.98419	12.01	12.01	12.01	12.01	12.00	1.94579	1.95504	1.95504	1.95504	1.94879	
64	-1.30190	-2.56134	-2.56134	-2.56134	-1.24965	11.99	12.00	12.00	12.00	11.99	1.94266	1.93630	1.93630	1.93630	1.93942	
4	-0.95053				-2.17877	-1.71811	12.01204			12.00506	12.00506	1.94266			1.88321	1.84573
5	-0.78656				-2.59257	-1.18719	12.02766			12.00818	12.02067	1.94266			1.88633	1.8551
6	-0.64601				-2.18657	-1.67127	11.92459			11.91761	11.92698	1.95203			1.88008	1.84261
7	-0.98957				-2.57696	-1.65565	12.01829			12.00193	12.00818	1.90206			1.8551	1.83012
40	-1.16135				-2.63161	-1.76496	11.99955			11.97695	11.9832	1.94891			1.87072	1.84573
41	-1.20039				-2.77995	-1.54634	12.02453			12.02067	12.01443	1.92393			1.90195	1.91132
42	-1.49710				-2.74872	-1.72592	11.98081			11.97695	11.98007	1.93954			1.89258	1.8551
43	-1.03642				-2.57696	-1.84304	11.93396			11.9426	11.9426	1.93642			1.88008	1.84573
8	-0.87245	-2.60819			-1.85865	-1.92147	11.92147			11.92074	1.92393			1.90507	1.87072	
9	-1.05204	-2.40519			-1.73373	11.94333			11.92386	1.93642			1.90507	1.87384		
44	-1.24724	-2.30369			-1.52292	12.01829			11.99569	12.01443	1.9208			1.88945	1.88008	
45	-1.24724	-2.37396			-1.58538	11.98706			11.97695	11.9832	1.94891			1.9363	1.91132	
10	-1.15354	-2.52230			-1.60881	11.93708	11.91761			11.92386	1.94266	1.91132			1.88945	
11	-1.09108	-2.42080			-1.86646	11.89336	11.89575			11.89263	1.81149	1.80513			1.79264	
46	-1.32532	-2.46765			-1.76496	11.89336	11.87389			11.88014	1.92705	1.91132			1.89258	
47	-1.30190	-2.49888			-1.60881	11.8996	11.90824			11.89887	1.92705	1.91756			1.90507	
min	-1.49710	-2.52230	-2.60819	-2.77995	-1.84304	11.92459	11.87389	11.92386	11.91761	11.92698	1.90206	1.80513	1.88945	1.85510	1.83012	
max	-0.64601	-2.42080	-2.30369	-2.17877	-1.18719	12.02766	11.91761	11.99569	12.02067	12.02067	1.95203	1.91756	1.93630	1.90195	1.91132	
mean	-1.03349	-2.47741	-2.42276	-2.53401	-1.63906	11.99018	11.89887	11.95665	11.98124	11.98515	1.93603	1.88633	1.90897	1.88126	1.85393	
std. dev	0.26161	0.04388	0.13071	0.22995	0.20190	0.04052	0.01891	0.03520	0.03557	0.03437	0.01614	0.05421	0.01965	0.01406	0.02447	
mean - 3 sigma	-1.81831	-2.60904	-2.81487	-3.22386	-2.24476	11.86863	11.84214	11.85106	11.87455	11.88204	1.88762	1.72369	1.85002	1.83907	1.78051	
mean + 3 sigma	-0.24866	-2.34577	-2.03064	-1.84416	-1.03335	12.11173	11.95560	12.06224	12.08794	12.08826	1.98444	2.04898	1.96792	1.92344	1.92735	

SN	ENBL@0V IIL +2.7V					ENBL@2.7V IIH +2.7V					Enbl VIL Threshold +2.7V					
	mA					uA					V					
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	
38	-0.01128	0.00715	0.00715	0.00715	0.00715	17.08429	41.31215	41.31215	41.31215	38.11931	1.13000	1.13000	1.13000	1.13000	1.13000	
64	-0.01192	0.00971	0.00971	0.00971	0.00907	17.72289	39.39644	39.39644	39.39644	38.11931	1.16000	1.16000	1.16000	1.16000	1.13000	
4	-0.01448				0.01162	0.00715	17.08429			38.75787	39.39644	1.16000			1.13000	1.13000
5	-0.01448				0.01162	0.00715	16.44568			41.95072	38.11931	1.13000			1.13000	1.13000
6	-0.01703				0.01482	0.00907	17.08429			40.67358	37.48074	1.13000			1.16000	1.13000
7	-0.01384				0.01099	0.00779	16.44568			41.95072	36.2036	1.16000			1.16000	1.13000
40	-0.01065				0.01035	0.00715	19.00011			42.58929	41.31215	1.13000			1.16000	1.13000
41	-0.01128				0.01162	0.00907	16.44568			40.67358	38.11931	1.16000			1.13000	1.13000
42	-0.01256				0.00843	0.00971	17.08429			42.58929	40.03501	1.13000			1.19000	1.13000
43	-0.01384				0.00907	0.00524	17.72289			42.58929	40.03501	1.13000			1.13000	1.13000
8	-0.01448	0.01290			0.00524	15.80707			42.58929	37.48074	1.16000			1.19000	1.13000	
9	-0.01639	0.00971			0.00843	15.80707			43.86642	37.48074	1.13000			1.13000	1.13000	
44	-0.01192	0.01035			0.00843	18.3615			40.67358	35.56503	1.13000			1.19000	1.13000	
45	-0.01384	0.01035			0.00715	20.91593			36.84217	38.11931	1.13000			1.13000	1.16000	
10	-0.01512	0.01226			0.00843	13.89125	40.67358			36.2036	1.13000	1.13000			1.16000	
11	-0.01767	0.00907			0.00843	15.16846	40.67358			39.39644	1.13000	1.13000			1.13000	
46	-0.01512	0.00715			0.00843	17.72289	39.39644			34.92646	1.16000	1.13000			1.22000	
47	-0.01065	0.00907			0.01035	14.52986	39.39644			38.75787	1.13000	1.16000			1.13000	
min	-0.01703	0.00715	0.00971	0.00843	0.00524	16.44568	39.39644	36.84217	38.75787	36.20360	1.13000	1.13000	1.13000	1.13000	1.13000	
max	-0.01065	0.01226	0.01290	0.01482	0.00971	19.00011	40.67358	43.86642	42.58929	41.31215	1.16000	1.16000	1.19000	1.19000	1.13000	
mean	-0.01352	0.00939	0.01083	0.01107	0.00779	17.16411	40.03501	40.99287	41.47179	38.83770	1.14125	1.13750	1.16000	1.14875	1.13000	
std. dev	0.00202	0.00212	0.00141	0.00194	0.00145	0.86608	0.73736	3.06247	1.35461	1.65245	0.01553	0.01500	0.03464	0.02232	0.00000	
mean - 3 sigma	-0.01958	0.00303	0.00658	0.00523	0.00344	14.56587	37.82294	31.80547	37.40796	33.88034	1.09467	1.09250	1.05608	1.08179	1.13000	
mean + 3 sigma	-0.00746	0.01574	0.01507	0.01690	0.01214	19.76236	42.24708	50.18026	45.53563	43.79505	1.18783	1.18250	1.26392	1.21571	1.13000	

SN	Enbl VIH Threshold +2.7V					Fitr +2.7V					VLM10 LMHI Swing +2.7V 5MHz					
	V					V					V					
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	
38	1.750	1.750	1.750	1.750	1.780	2.06213	2.06694	2.06694	2.06694	2.05952	0.84096	0.83964	0.83964	0.83964	0.83964	
64	1.750	1.750	1.750	1.750	1.750	2.06098	2.05645	2.05645	2.05645	2.06809	0.83681	0.83756	0.83756	0.83756	0.83756	
4	1.780				1.780	2.05624				2.05491	2.06528	0.83785			0.83964	0.8386
5	1.780				1.780	2.06379				2.05351	2.06822	0.83889			0.8386	0.83756
6	1.780				1.780	2.06776				2.06144	2.07231	0.83473			0.83445	0.83341
7	1.750				1.750	2.06353				2.05555	2.06835	0.83992			0.83964	0.84067
40	1.780				1.780	2.06161				2.05504	2.06643	0.83785			0.8386	0.83756
41	1.750				1.750	2.05957				2.05376	2.06387	0.84096			0.84171	0.84067
42	1.750				1.750	2.06289				2.05798	2.07231	0.83577			0.8386	0.83756
43	1.750				1.750	2.05407				2.05453	2.06246	0.83577			0.83756	0.83652
8	1.780	1.750			1.750	2.05176		2.06105		2.06464	0.83369		0.83341		0.83341	
9	1.780	1.750			1.750	2.05484		2.0631		2.05773	0.83162		0.83029		0.83237	
44	1.780	1.780			1.750	2.06034		2.05363		2.06835	0.83992		0.83964		0.83964	
45	1.750	1.750			1.750	2.06366		2.05607		2.06963	0.83889		0.83756		0.8386	
10	1.750	1.750			1.750	2.05982	2.05594			2.06937	0.83577		0.83445		0.83445	
11	1.780	1.780			1.780	2.06072	2.0521			2.06412	0.83058		0.83029		0.83029	
46	1.750	1.750			1.750	2.05471	2.05581			2.06502	0.83266		0.83133		0.83341	
47	1.750															

SN	VLIM10 LMLO Swing +2.7V 5MHz					FLIM LMHI LIM10 +2.7V 5MHz					FLIM LMLO LIM10 +2.7V 5MHz				
	V					MHz					MHz				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	0.84200	0.83964	0.83964	0.83964	0.83860	5.00077	5.00039	5.00039	5.00039	5.00040	4.99892	5.00237	5.00237	5.00237	5.00102
64	0.83785	0.83860	0.83860	0.83860	0.83652	5.00041	4.99977	4.99977	4.99977	5.00147	5.00092	5.00012	5.00012	5.00012	5.00034
4	0.83889			0.83964	0.83860	5.00005				4.99957	4.99975	5.00089		4.99996	5.00069
5	0.83889			0.83652	0.83756	5.00078				4.99952	5.00005	4.99998		5.00032	5.00016
6	0.83473			0.83549	0.83549	5.00005				5.00237	5.00297	5.00071		4.99776	4.99978
7	0.83992			0.83964	0.84067	5.0002				5.00041	4.99915	5.00027		5.00101	4.99974
40	0.83889			0.83652	0.83860	5.00009				4.99941	4.9994	4.99979		4.99991	4.99978
41	0.84200			0.84275	0.84275	4.99888				5.00006	5.00021	4.99998		5.00031	5.00105
42	0.83681			0.83652	0.83860	5.00114				5.00034	4.99918	5.00006		4.99991	4.99994
43	0.83681			0.83756	0.83860	5.00181				5.00116	4.99992	5.0002		5.00033	5.00004
8	0.83369		0.83445		0.83341	4.99605		4.9979		5.00024	4.99959		4.99993		4.99583
9	0.83266		0.83237		0.83237	4.99754		5.00028		4.99999	5.00032		4.99686		4.99967
44	0.84096		0.84067		0.83964	4.999		4.99892		5.00042	5.00062		5.00068		4.99877
45	0.83889		0.83860		0.83860	4.99973		4.99981		4.99985	5.00097		5.00024		4.99915
10	0.83577	0.83548			0.83445	5.00079	5.00044			4.9999	4.99997	4.99921			4.99968
11	0.83162	0.83030			0.83133	4.99361	5.00049			5.00006	4.99976	5.00656			5.00068
46	0.83369	0.83237			0.83237	4.99859	4.99981			4.99943	5.0001	4.99996			5.00057
47	0.83266	0.83237			0.83445	5.00083	5.00048			4.99839	4.99966	4.99701			4.99941
min	0.83473	0.83030	0.83237	0.83549	0.83549	4.99888	4.99981	4.99790	4.99941	4.99915	4.99979	4.99701	4.99686	4.99776	4.99974
max	0.84200	0.83548	0.84067	0.84275	0.84275	5.00181	5.00049	5.00028	5.00237	5.00297	5.00089	5.00656	5.00068	5.00101	5.00105
mean	0.83837	0.83263	0.83652	0.83808	0.83886	5.00038	5.00031	4.99923	5.00036	5.00008	5.00024	5.00069	4.99943	4.99984	5.00015
std_dev	0.00222	0.00214	0.00379	0.00242	0.00213	0.00088	0.00033	0.00105	0.00100	0.00123	0.00038	0.00411	0.00174	0.00100	0.00048
mean - 3 sigma	0.83171	0.82622	0.82516	0.83082	0.83247	4.99775	4.99931	4.99608	4.99735	4.99638	4.99909	4.98835	4.99421	4.99685	4.99871
mean + 3 sigma	0.84503	0.83904	0.84789	0.84534	0.84525	5.00300	5.00130	5.00238	5.00336	5.00378	5.00138	5.01302	5.00464	5.00283	5.00158

SN	VLOGM @PIN -3dBV +2.7V 5MHz					Is +6.5V					Idis +6.5V				
	V					mA					uA				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	2.08489	2.08644	2.08644	2.08644	2.08580	15.88508	15.93575	15.93575	15.93575	15.83894	1.59790	-0.32173	-0.32173	-0.32173	1.61457
64	2.08332	2.08366	2.08366	2.08366	2.08366	15.87571	15.88266	15.88266	15.88266	15.85143	1.75406	-0.41542	-0.41542	-0.41542	1.31788
4	2.08299			2.07817	2.07634	15.91631				15.95137	15.942	2.019536		-0.399804	1.028996
5	2.08326			2.07869	2.07560	16.03499				16.01071	16.06692	2.167896		-0.493504	1.107066
6	2.08165			2.07678	2.07451	16.05061				16.05443	16.10127	1.777486		-0.142154	0.872836
7	2.08817			2.08320	2.08222	15.98502				16.00134	16.02007	1.918036		-0.563774	1.192956
40	2.08256			2.07525	2.07437	15.82886				15.8608	15.87329	1.761866		-0.032844	0.810376
41	2.08336			2.07849	2.07691	15.81324				15.85143	15.83269	1.472966		-0.204614	0.591766
42	2.08520			2.08116	2.07920	15.84135				15.87954	15.91077	1.597896		-0.446654	0.451226
43	2.08190			2.07721	2.07565	15.65708				15.66717	15.68903	1.675976		-0.438844	0.560536
8	2.08596		2.08318		2.08211	15.88196		15.99509		15.92014	2.113236		-0.501304		0.708876
9	2.08081		2.07947		2.07710	16.20365		16.24806		16.2668	1.746256		-0.454464		1.075836
44	2.08665		2.08535		2.08487	15.81324		15.79521		15.84518	1.715016		0.060846		0.646416
45	2.08301		2.08284		2.08166	15.87571		15.88891		15.88578	1.262146		-0.118734		0.529306
10	2.08398	2.08377			2.08176	15.86009	15.85455			15.8608	1.839946		-0.376384		0.982146
11	2.08016	2.07888			2.07689	15.89757	15.86392			15.8608	1.730636	0.084266			0.747916
46	2.08293	2.08273			2.08045	15.73204	15.71401			15.74524	1.512006	0.115496			0.997766
47	2.08574	2.08503			2.08398	15.83511	15.79834			15.83581	2.253776	1.036806			1.950296
min	2.08165	2.07888	2.07947	2.07525	2.07437	15.65708	15.71401	15.79521	15.66717	15.68903	1.47297	-0.37638	-0.50130	-0.56377	0.45123
max	2.08817	2.08503	2.08535	2.08320	2.08222	16.05061	15.86392	16.24806	16.05443	16.10127	2.16790	0.06085	0.06085	-0.03284	1.19296
mean	2.08364	2.08260	2.08271	2.07862	2.07685	15.89093	15.80771	15.98182	15.90960	15.92951	1.79896	0.21505	-0.25341	-0.34027	0.82697
std_dev	0.00213	0.00265	0.00243	0.00252	0.00265	0.13244	0.06885	0.19538	0.12352	0.13494	0.22760	0.59220	0.27004	0.18905	0.27336
mean - 3 sigma	2.07725	2.07464	2.07542	2.07106	2.06889	15.49362	15.60115	15.39569	15.53904	15.52469	1.11616	-1.56155	-0.06354	-0.90742	0.00689
mean + 3 sigma	2.09003	2.09056	2.09000	2.08617	2.08481	16.28825	16.01426	16.56795	16.28016	16.33432	2.48175	1.99164	0.55671	0.22687	1.64705

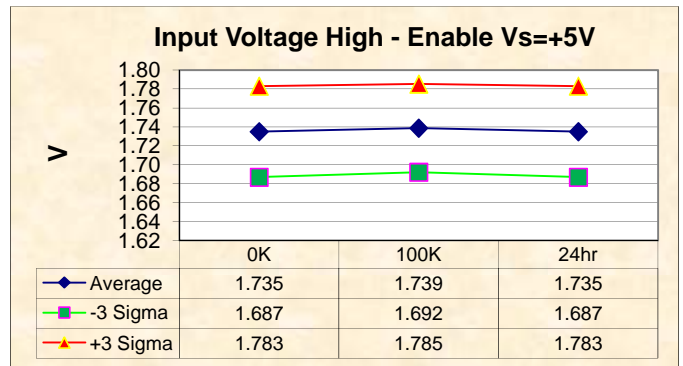
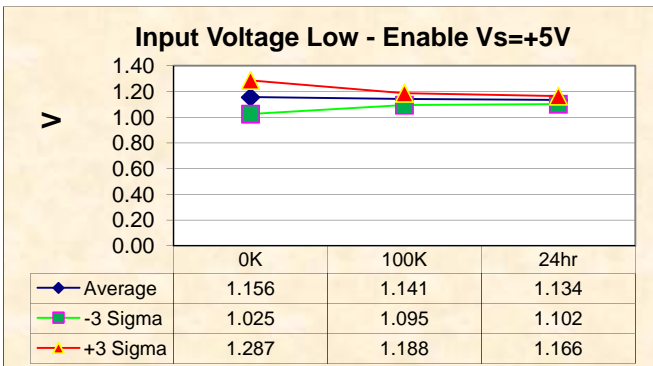
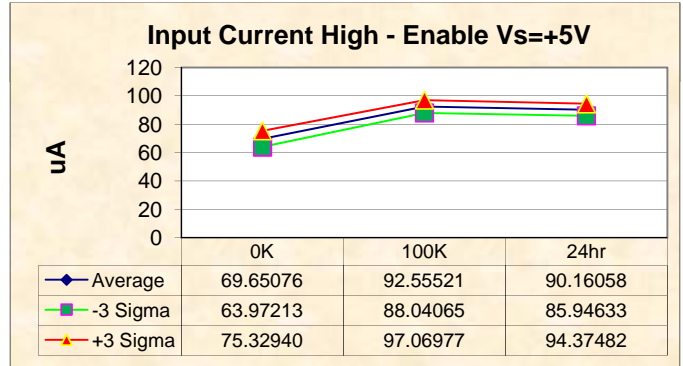
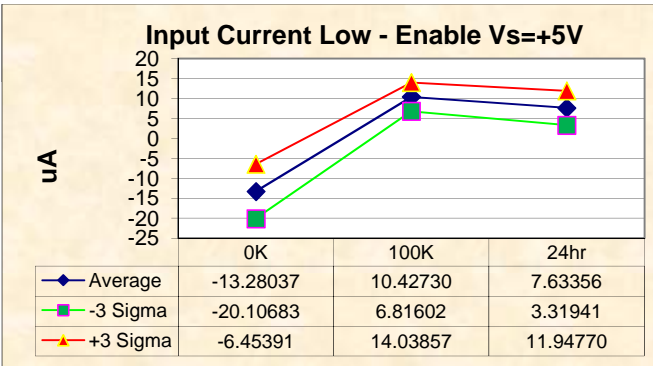
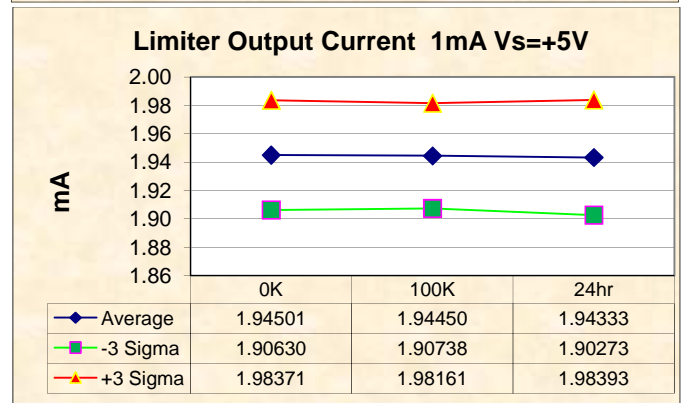
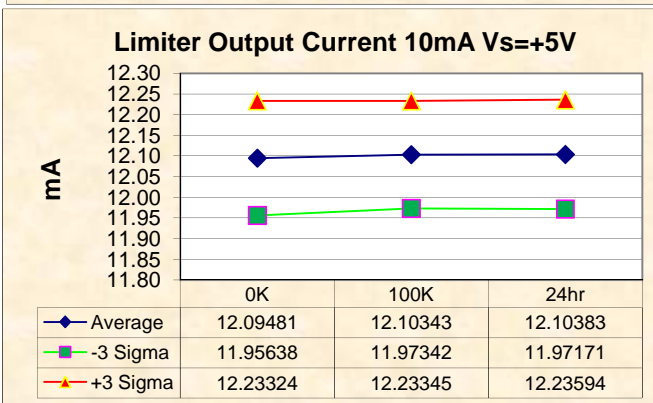
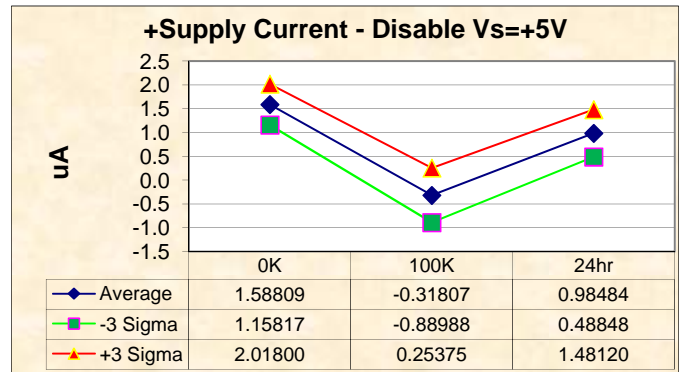
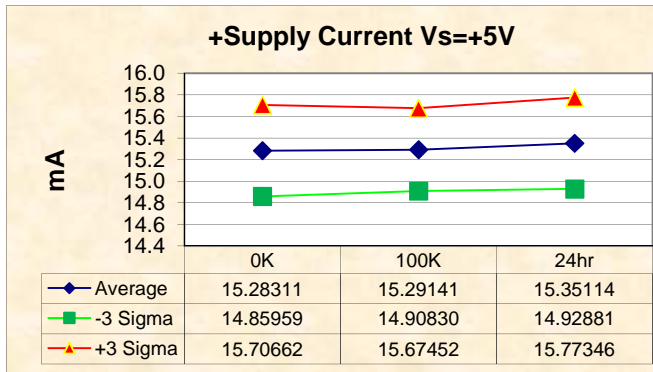
SN	Ilim10 +6.5V					Ilim1 +6.5V					ENBL@0V IIL 6.5V				
	mA					mA					uA				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	11.98081	11.97383	11.97383	11.97383	11.98007	1.93017	1.92381	1.92381	1.92381	1.93318	-15.75497	9.07034	9.07034	9.07034	8.43177
64	11.94333	11.96758	11.96758	11.96758	11.95821	1.91768	1.93318	1.93318	1.93318	1.92693	-12.56194	11.62461	11.62461	11.62461	7.79320
4	11.99018			12.00506	12.00506	1.93642				1.9363	1.93318	-17.67079		8.43177	5.87749
5	11.99018			11.99881	11.99257	1.94579				1.94879	1.9363	-17.03219		8.43177	4.60036
6	11.86525			11.88326	11.88326	1.90519				1.91132	1.91756	-13.83915		10.34747	5.87749
7	12.00267			11.99881	12.00506	1.94266				1.94255	1.9363	-14.47776		10.34747	7.7932
40	11.96207			11.96758	11.96133	1.92705				1.93318	1.92381	-12.56194		8.43177	7.7932
41	12.00892			12.00506	1.9333	1.92693				1.92693	1.94255	-11.28472		9.07034	5.87749
42	11.92771			11.93010	11.94260	1.9208				1.91756	1.93005	-13.20054		11.62461	4.60036
43	11.88711			11.90200	11.91137	1.89894				1.89882	1.90819	-16.39358		12.90175	7.7932
8	11.88399		11.89575		11.88638	1.92393		1.92693		1.92693	-16.39358		9.70891		6.51606
9	11.87149		11.87077		11.87701	1.92393		1.92068		1.92068	-15.75497		8.43177		3.96179
44	12.00892		11.99569		11.99257	1.9333		1.93005		1.92381	-15.75497		10.98604		8.43177
45	11.94333		11.93635		11.93947	1.91768		1.92068		1.92068	-15.75497		6.51606		6.51606
10	11.88399	11.87077			11.87701	1.91768	1.91444			1.91756	-13.83915	9.70891			7.7932
11	11.84026	11.83954			11.84266	1.91143	1.91444			1.91444	-16.39358	10.34747			7.7932
46	11.82152	11.81767			11.82080	1.89894	1.90195			1.8957	-13.83915	7.15463			7.7932
47	11.82777	11.85515			11.82392	1.89894	1.91756			1.89882	-10.00751	7.7932			7.15463
min	11.86525	11.81767	11.87077	11.88326	11.88326	1.89894	1.90195	1.92068	1.89882	1.90819	-17.67079	7.15463	6.51606	8.43177	4.60036
max	12.00892	11.87077	11.99569	12.00506	12.00506	1.94579	1.91756	1.93005	1.94879	1.94255	-11.28472	10.34747	10.98604	12.90175	7.79320
mean	11.95426	11.84578	11.92464	11.96134	11.96329	1.92627	1.91210	1.92459	1.92693	1.92849	-14.55758	8.75105	8.91070	9.94837	6.27660
std_dev	0.05491	0.02267	0.05453	0.04966	0.04724	0.01700	0.00692	0.00469	0.01678	0.01132	2.27549	1.52010	1.90682	1.66999	1.36265
mean - 3 sigma	11.78952	11.77778	11.76104	11.81235	11.81256	1.87526	1.89133	1.91053	1.87660						

SN	ENBL@6.5V IIH 6.5V					Enbl VIL Threshold +6.5V					Enbl VIH Threshold +6.5V				
	uA					V					V				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	106.11284	126.56458	126.56458	126.56458	123.37173	1.160	1.130	1.130	1.130	1.130	1.690	1.720	1.720	1.720	1.720
64	107.39006	127.84172	127.84172	127.84172	124.64887	1.130	1.130	1.130	1.130	1.130	1.690	1.690	1.690	1.690	1.720
4	102.28119				129.75742	1.130			1.130	1.190	1.720			1.720	1.720
5	102.91980				129.11885	1.130			1.130	1.130	1.720			1.750	1.720
6	104.83562				131.03455	1.130			1.130	1.130	1.720			1.720	1.720
7	106.11284				129.11885	1.130			1.190	1.130	1.720			1.720	1.720
40	105.47423				126.56458	1.130			1.130	1.130	1.720			1.720	1.720
41	104.83562				127.84172	1.130			1.160	1.130	1.720			1.720	1.720
42	106.75145				124.01030	1.160			1.130	1.130	1.690			1.690	1.720
43	103.55841				122.73317	1.130			1.160	1.130	1.690			1.690	1.690
8	103.55841		129.75742		126.56458	1.130		1.130		1.130	1.720		1.720		1.720
9	102.28119		132.31170		126.56458	1.160		1.130		1.130	1.720		1.720		1.720
44	105.47423		128.48029		125.28744	1.130		1.160		1.130	1.720		1.720		1.720
45	106.75145		125.28744		124.64887	1.130		1.130		1.130	1.690		1.690		1.690
10	103.55841	129.75742			129.75742	1.160	1.130			1.130	1.720	1.720			1.720
11	106.75145				125.28744	1.160	1.130			1.130	1.720	1.720			1.720
46	102.91980	128.48029			124.64887	1.130	1.130			1.130	1.720	1.720			1.720
47	107.39006	126.56458			126.56458	1.130	1.130			1.130	1.720	1.690			1.720
min	102.28119	126.56458	125.28744	124.01030	122.73317	1.13000	1.13000	1.13000	1.13000	1.13000	1.69000	1.69000	1.69000	1.69000	1.69000
max	106.75145	129.75742	132.31170	131.03455	127.20315	1.16000	1.13000	1.16000	1.19000	1.19000	1.72000	1.72000	1.72000	1.75000	1.72000
mean	104.59615	128.63993	128.95921	128.40046	125.04798	1.13375	1.13000	1.13750	1.14500	1.13750	1.71250	1.71250	1.71250	1.71625	1.71625
std. dev	1.56193	1.50888	2.92048	2.22356	1.48537	0.01061	0.00000	0.01500	0.02268	0.02121	0.01389	0.01500	0.01500	0.01923	0.01061
mean - 3 sigma	99.91034	124.11330	120.19778	121.72979	120.59186	1.10193	1.13000	1.09250	1.07697	1.07386	1.67084	1.66750	1.66750	1.65857	1.68443
mean +3 sigma	109.28195	133.16656	137.72065	135.07113	129.50410	1.16557	1.13000	1.18250	1.21303	1.20114	1.75416	1.75750	1.75750	1.77393	1.74807

SN	Fltr +6.5V					VLIM10 LMHI Swing +6.5V 5MHz					VLIM10 LMLO Swing +6.5V 5MHz				
	V					V					V				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	5.72910	5.73666	5.73666	5.73666	5.73090	0.84615	0.84690	0.84690	0.84690	0.84586	0.84719	0.84690	0.84690	0.84690	0.84690
64	5.72961	5.73576	5.73576	5.73576	5.73282	0.84200	0.84067	0.84067	0.84067	0.84171	0.84096	0.84171	0.84171	0.84171	0.84171
4	5.72654				5.73129	0.84512			0.84483	0.8469	0.84512			0.84482	0.84482
5	5.72731				5.72975	0.84096			0.84275	0.84171	0.84304			0.84275	0.84275
6	5.72923				5.73359	0.83785			0.8386	0.8386	0.83785			0.83756	0.8386
7	5.72680				5.73167	0.84615			0.8469	0.8469	0.84719			0.8469	0.84794
40	5.72897				5.73359	0.84096			0.84275	0.84171	0.842			0.84275	0.84275
41	5.72948				5.73397	0.84223			0.84794	0.84794	0.84823			0.8469	0.84898
42	5.72833				5.73359	0.84096			0.84275	0.84067	0.83992			0.84067	0.84275
43	5.73204				5.73538	0.84096			0.84171	0.84067	0.84096			0.84171	0.84171
8	5.72219	5.73372			5.72924	0.83681		0.83652		0.83652	0.83681		0.83756		0.83652
9	5.72373	5.73103			5.73065	0.83473		0.83445		0.83548	0.83577		0.83445		0.83652
44	5.72948	5.73359			5.73423	0.84615		0.84379		0.84586	0.84719		0.84482		0.84586
45	5.73025	5.73513			5.73564	0.84304		0.84379		0.84379	0.84408		0.84379		0.84482
10	5.72833	5.73333			5.73321	0.84096	0.8386			0.83756	0.83992	0.83756			0.83756
11	5.72590	5.72924			5.72898	0.83473	0.83548			0.83445	0.83473	0.83445			0.83341
46	5.72961	5.73257			5.73436	0.83681	0.83548			0.83652	0.83785	0.83548			0.83548
47	5.72974	5.73257			5.73410	0.83577	0.83652			0.83445	0.83577	0.83652			0.83548
min	5.72654	5.72924	5.73103	5.72975	5.73026	0.83785	0.83548	0.83445	0.83860	0.83785	0.83445	0.83445	0.83445	0.83756	0.83860
max	5.73204	5.73333	5.73513	5.73538	5.73692	0.84823	0.83860	0.84379	0.84794	0.84794	0.84823	0.83756	0.84482	0.84690	0.84898
mean	5.72859	5.73193	5.73337	5.73285	5.73346	0.84265	0.83652	0.83964	0.84353	0.84314	0.84304	0.83600	0.84016	0.84301	0.84379
std. dev	0.00179	0.00183	0.00171	0.00180	0.00229	0.00346	0.00147	0.00487	0.00297	0.00355	0.00360	0.00134	0.00498	0.00317	0.00337
mean - 3 sigma	5.72323	5.72645	5.72825	5.72745	5.72659	0.83226	0.83211	0.82503	0.83460	0.83249	0.83225	0.83199	0.82523	0.83348	0.83366
mean +3 sigma	5.73395	5.73741	5.73849	5.73826	5.74034	0.85304	0.84093	0.85424	0.85245	0.85379	0.85383	0.84002	0.85508	0.85253	0.85391

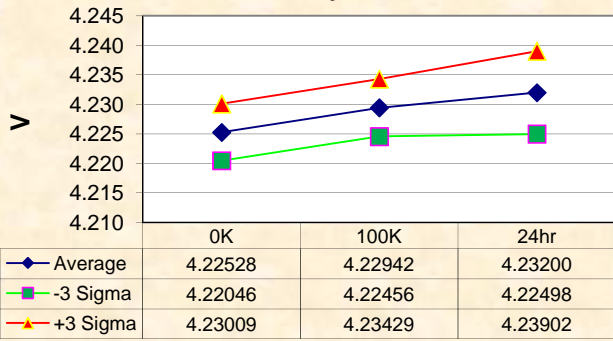
SN	FLIM LMHI LIM10 +6.5V 5MHz					FLIM LMLO LIM10 +6.5V 5MHz					VLOGM @PIN 3dVB +6.5V 5MHz				
	MHz					MHz					V				
	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr	0K	30K	50K	100K	24hr
38	4.99918	5.00021	5.00021	5.00021	4.99989	4.99953	4.99613	4.99613	4.99613	4.99973	2.14783	2.15067	2.15067	2.15067	2.14899
64	5.00029	4.99998	4.99998	4.99998	4.99955	4.99858	4.99999	4.99999	4.99999	5.00021	2.14584	2.14839	2.14839	2.14839	2.14814
4	5.00027				5.00007	4.99715	4.99817			4.99932	4.99974	2.14815			2.14939
5	5.00116				5.00336	4.99712	4.9999			5.00022	4.99993	2.14653			2.14716
6	4.99998				4.99829	5.00012	5.00168			5.00025	4.99994	2.14536			2.14595
7	4.99939				5.00085	5.00012	4.99996			5.00047	4.99968	2.15424			2.15463
40	4.99985				5.00009	5.00032	4.99979			4.99973	5.00015	2.14394			2.14614
41	5.00014				4.99976	5.00005	5.00014			5.00036	5.00001	2.14618			2.14699
42	5.00008				4.99970	4.99920	4.99946			4.9995	4.99979	2.14815			2.14903
43	4.99958				4.99996	4.99961	4.9999			4.99935	4.9987	2.14424			2.14558
8	5.00018		5.00093		4.99950	4.99889		4.99955		5.00017	2.15026		2.15017		2.14971
9	4.99981		4.99951		4.99960	4.99932		5.00009		4.99872	2.14703		2.1448		2.14473
44	4.99995		4.99715		4.99911	5.00087		4.999		5.0001	2.14901		2.15164		2.15153
45	5.00094		4.99990		5.00303	4.99955		5.00097		5.00005	2.1461		2.14683		2.14651
10	5.00035	5.00088			5.00012	4.99966	4.99945			5.00004	2.14655	2.14814			2.14729
11	4.99616	5.00101			4.99964	4.99881	4.99959			4.99866	2.14255	2.1443			2.14361
46	4.99965	4.99827			5.00002	4.99986	4.99972			5.00000	2.14843	2.14596			2.14577
47	5.00066	5.00018			5.00101	4.99941	5.00131			5.00068	2.14829	2.14921			2.14814
min	4.99939	4.99827	4.99715	4.99829	4.99712	4.99817	4.99945	4.99900	4.99932	4.99870	2.14394	2.14430	2.14480	2.14521	2.14520
max	5.00116	5.00101	5.00093	5.00336	5.00032	5.00168	5.00131	5.00097	5.00047	5.00015	2.15424	2.14921	2.15164	2.15463	2.15455
mean	5.00006	5.00009	4.99937	5.00026	4.99921	4.99988	5.00002	4.99990	4.99974	4.99974	2.14710	2.14690	2.14836	2.14796	2.14786
std. dev	0.00053	0.00126	0.00160	0.00144	0.00133	0.00096	0.00087	0.00084	0.00048	0.00045	0.00329	0.00220	0.00311	0.00308	0.00308
mean - 3 sigma	4.99846	4.99629	4.99458	4.99593	4.99522	4.99700	4.99741	4.99738	4.99847	4.99840	2.13724	2.14030	2.13902	2.13872	2.13860
mean +3 sigma	5.00166	5.00388	5.00417	5.00459	5.00320	5.00275	5.00262	5.00242	5.00133	5.00109	2.15695	2.15350	2.15770	2.15720	2.15711



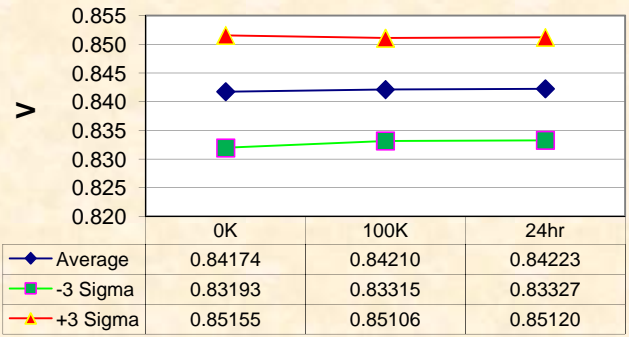




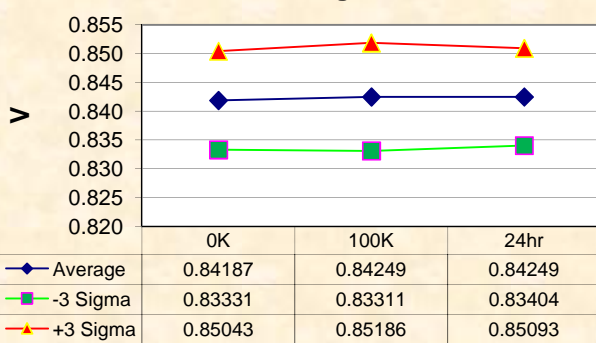
**Filter Continuity Vs=+5.0V**



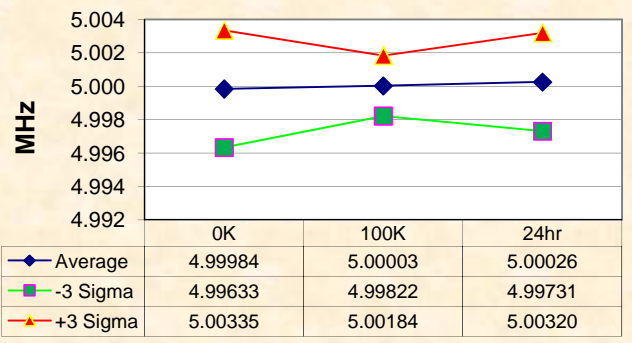
**VLIM10 LMHI Swing Vs=+5.0V 5MHz**



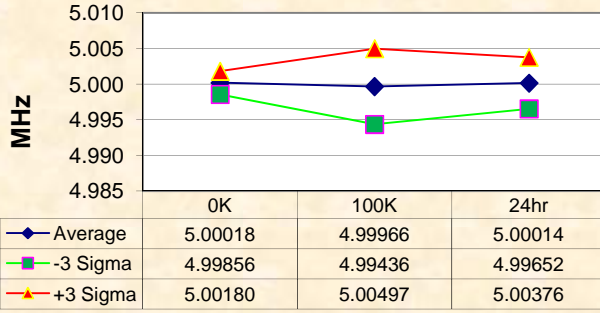
**VLIM10 LMLO Swing Vs=+5.0V 5MHz**



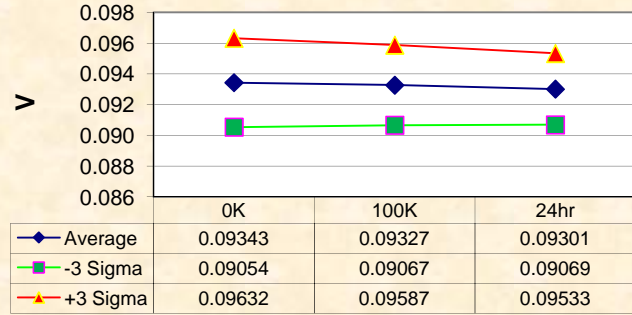
**FLIM LMHI LIM10 Vs=+5.0V 5MHz**



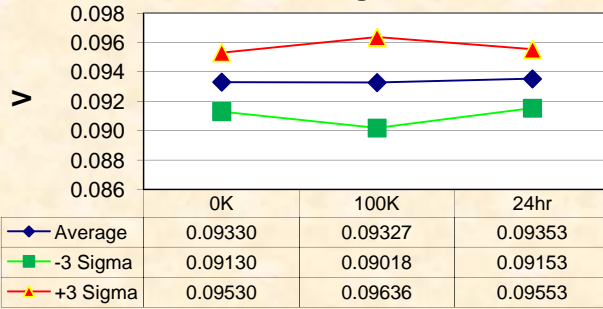
**FLIM LMLO LIM10 Vs=+5.0V 5MHz**



**VLIM1 LMHI Swing Vs=+5.0V 5MHz**



**VLIM1 LMLO Swing Vs=+5.0V 5MHz**



**FLIM LMHI LIM1 Vs=+5.0V 5MHz**

