



AHEAD OF WHAT'S POSSIBLE™

HIGH DOSE RADIATION TEST REPORT AD9361S - CSL

December 2020
Certificate of Conformance



Radiation Test Report	
Product:	AD9361S
Gamma:	0, 30k, 50k 168hr Anneal
Gamma Source:	Co60/TM1019 Condition A
Dose Rate:	123 Rad(Si)/s
Facilities:	VPT RAD
Tested:	10/7/20

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		Leakage_In_Low CTRL_IN3 (nA)			Leakage_In_Low CTRL_IN2 (nA)			Leakage_In_Low CTRL_IN1 (nA)		
		Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	0.818	-0.105	-0.905	-0.101	0.130	0.310	-0.487	-1.253	-0.666
	3	-1.411	-0.181	-0.291	-0.101	-0.177	-0.918	-0.180	-0.180	0.100
	4	-0.105	-0.566	0.094	-0.101	0.283	-1.071	0.356	-0.947	-0.359
	5	-0.489	-0.950	-1.213	0.667	0.820	-0.994	1.506	-0.640	1.710
30k	6	-1.949	-1.719	-0.752	-0.484	-1.558	0.387	-0.257	1.353	-0.972
	7	-0.105	0.664	-0.444	-1.635	-0.561	-0.150	-0.487	-0.487	0.100
	9	-0.489	1.587	-0.752	0.206	-0.331	-0.457	0.510	-0.410	-0.053
	19	0.972	0.434	-0.060	-0.331	0.053	-1.378	1.200	0.203	0.024
50k	20	-1.335	-0.720	0.094	-0.254	-0.561	1.001	-2.097	-1.023	-0.206
	Min	-1.335	-0.720	-0.752	-1.635	-0.561	-1.378	-2.097	-1.023	-0.206
	Max	0.972	1.587	0.094	0.206	0.053	1.001	1.200	0.203	0.100
	Mean	-0.239	0.491	-0.291	-0.504	-0.350	-0.246	-0.219	-0.429	-0.034
	Std. Dev	0.957	0.949	0.382	0.791	0.290	0.982	1.431	0.502	0.131
	Mean - 3 Sigma	-3.111	-2.355	-1.436	-2.876	-1.219	-3.191	-4.512	-1.935	-0.426
	Mean + 3 Sigma	2.632	3.338	0.855	1.869	0.519	2.699	4.075	1.077	0.358

		Leakage_In_Low CTRL_IN0 (nA)			Leakage_In_Low ENABLE (nA)			Leakage_In_Low EN_AG_C (nA)		
		Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	-0.590	0.409	-0.466	-0.376	-0.452	1.056	0.848	-1.147	-0.249
	3	0.025	1.331	-0.927	-0.835	-1.906	-0.704	-0.457	-0.840	-0.403
	4	-0.821	0.101	-0.236	-0.376	-0.988	-0.933	-0.840	-1.224	-2.089
	5	-0.283	-0.744	-1.542	-0.529	-1.141	0.597	-0.303	0.848	-1.169
30k	6	-1.436	-1.051	-1.158	0.389	-0.758	-1.469	-0.303	0.004	0.594
	7	0.025	-1.051	1.147	0.542	0.007	-0.168	-1.838	0.925	-0.096
	9	0.332	0.947	0.686	-0.835	-1.141	0.903	-0.533	-0.763	-0.019
	19	0.255	-0.052	-0.773	-0.529	0.007	-0.704	-0.073	-0.226	-1.399
50k	20	-1.128	-1.051	-0.159	-1.523	0.466	-1.316	0.004	-0.610	-0.786
	Min	-1.128	-1.051	-0.773	-1.523	-1.141	-1.316	-1.838	-0.763	-1.399
	Max	0.332	0.947	1.147	0.542	0.466	0.903	0.004	0.925	-0.019
	Mean	-0.129	-0.302	0.225	-0.586	-0.165	-0.321	-0.610	-0.169	-0.575
	Std. Dev	0.679	0.956	0.858	0.859	0.686	0.941	0.852	0.763	0.649
	Mean - 3 Sigma	-2.165	-3.171	-2.347	-3.164	-2.222	-3.145	-3.167	-2.458	-2.521
	Mean + 3 Sigma	1.907	2.568	2.798	1.992	1.891	2.503	1.947	2.121	1.371

		Leakage_In_Low FBCLK_N (nA)			Leakage_In_Low FBCLK_P (nA)			Leakage_In_Low RESETB (nA)		
		Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	-0.384	-1.071	-0.112	-0.144	-0.758	0.843	0.491	0.414	-0.642
	3	-1.453	-0.918	-1.029	0.471	-2.371	-0.079	0.797	-0.966	0.202
	4	-1.071	0.992	-0.723	-0.528	-0.835	-0.463	0.491	0.644	-0.795
	5	0.380	-0.765	-0.112	-1.372	-0.758	-1.231	0.721	0.644	-0.642
30k	6	-0.002	0.228	-0.494	-0.374	-1.142	-0.156	0.184	0.337	-0.335
	7	0.304	-0.689	-1.029	-1.910	-1.756	-0.386	0.261	-0.889	-0.795
	9	0.228	0.610	0.193	-0.451	0.624	0.074	1.181	-0.123	-0.182
	19	0.762	-0.918	0.652	1.623	1.239	-0.770	-0.506	0.031	-0.182
50k	20	0.533	-0.460	-1.258	-0.912	-1.065	-0.079	0.337	0.337	1.581
	Min	0.228	-0.918	-1.258	-1.910	-1.756	-0.770	-0.506	-0.889	-0.795
	Max	0.762	0.610	0.652	1.623	1.239	0.074	1.181	0.337	1.581
	Mean	0.457	-0.364	-0.361	-0.413	-0.240	-0.290	0.318	-0.161	0.106
	Std. Dev	0.241	0.676	0.928	1.487	1.404	0.373	0.690	0.522	1.025
	Mean - 3 Sigma	-0.267	-2.392	-3.145	-4.875	-4.451	-1.408	-1.751	-1.726	-2.970
	Mean + 3 Sigma	1.181	1.663	2.424	4.050	3.972	0.828	2.388	1.404	3.181

		Leakage_In_Low SPI_CLK (nA)			Leakage_In_Low SPI_DI (nA)			Leakage_In_Low SPI_ENN (nA)		
		Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	-1.014	0.288	-0.537	0.898	-0.563	-0.028	-1.132	-0.597	-1.943
	3	0.594	0.365	0.689	-0.332	0.744	-0.413	-0.597	-0.444	0.124
	4	0.671	-1.933	-0.307	0.206	-0.178	-0.951	0.092	1.393	-0.335
	5	-0.325	0.594	-0.537	0.437	-1.332	0.279	-0.138	-1.515	-1.024
30k	6	-1.014	-0.555	0.535	0.206	1.206	-0.413	-0.750	-0.597	-0.259
	7	-0.018	-2.470	0.612	-0.101	-0.178	-1.028	-0.444	0.015	-0.029
	9	-0.401	-0.631	0.842	-1.409	0.821	-0.028	-1.286	-1.056	1.196
	19	-0.248	-0.631	0.612	0.514	-0.025	0.587	-0.520	-1.515	-1.177
50k	20	0.365	0.518	-0.307	-0.025	-0.486	-0.643	-1.209	-0.597	0.277
	Min	-0.401	-2.470	-0.307	-1.409	-0.486	-1.028	-1.286	-1.515	-1.177
	Max	0.365	0.518	0.842	0.514	0.821	0.587	-0.444	0.015	1.196
	Mean	-0.076	-0.804	0.440	-0.255	0.033	-0.278	-0.865	-0.788	0.067
	Std. Dev	0.333	1.236	0.510	0.816	0.559	0.709	0.444	0.654	0.979
	Mean - 3 Sigma	-1.075	-4.512	-1.089	-2.705	-1.645	-2.404	-2.197	-2.749	-2.870
	Mean + 3 Sigma	0.924	2.905	1.968	2.194	1.711	1.848	0.468	1.173	3.004

		Leakage_In_Low SYNC_IN (nA)			Leakage_In_Low TXNRX (nA)			Leakage_In_Low TEST_EN (nA)		
		Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	0.600	-0.088	1.072	0.031	-0.737	0.547	0.434	0.817	-1.399
	3	0.294	-0.011	-0.151	0.799	-0.123	0.163	-0.256	0.970	0.057
	4	-1.312	-0.929	-1.528	0.415	0.799	-0.221	0.357	-0.409	0.210
	5	-0.011	0.753	0.843	-0.046	0.108	0.777	-0.333	-0.256	0.210
30k	6	0.447	-1.006	0.155	0.108	0.415	-1.143	1.047	-0.639	0.057
	7	0.906	0.142	-1.605	1.414	-0.661	0.009	1.430	0.740	-0.556
	9	-0.317	-0.317	-0.457	-0.200	1.414	-0.068	0.587	-0.792	1.818
	19	-0.394	0.142	1.302	0.338	-1.045	-0.452	-0.792	-1.175	-2.241
50k	20	-0.470	-1.312	-0.304	-0.046	-0.046	0.854	0.970	1.200	2.355
	Min	-0.470	-1.312	-1.605	-0.200	-1.045	-0.452	-0.792	-1.175	-2.241
	Max	0.906	0.142	1.302	1.414	1.414	0.854	1.430	1.200	2.355
	Mean	-0.069	-0.336	-0.266	0.377	-0.085	0.086	0.549	-0.007	0.344
	Std. Dev	0.653	0.686	1.196	0.728	1.080	0.550	0.958	1.154	2.138
	Mean - 3 Sigma	-2.027	-2.393	-3.853	-1.807	-3.326	-1.566	-2.325	-3.469	-6.069
	Mean + 3 Sigma	1.890	1.720	3.321	2.560	3.157	1.737	3.423	3.455	6.757

		Leakage_Low P0_0 (nA)			Leakage_Low P0_1 (nA)			Leakage_Low P0_2 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-1.729	-0.121	0.121	-0.371	-0.524	-1.085	0.163	0.317	-0.856
	30k	3	-2.264	-1.575	-1.639	-0.064	-0.064	-0.778	-1.760	-0.837	-0.087
		4	-0.351	-0.963	0.657	0.013	-1.292	-0.778	1.317	-0.837	-0.625
5		-0.198	-1.269	-0.185	0.627	-1.369	-0.931	-0.221	-0.837	-1.470	
50k	6	-1.882	0.491	-0.568	-0.217	-0.371	0.374	-0.221	-1.067	-1.317	
	7	0.262	-0.274	-1.180	-1.369	-0.601	-1.929	-0.760	0.009	-0.010	
	9	-0.963	-0.580	-0.950	-1.139	0.397	-0.854	-2.452	0.086	-1.701	
	19	0.109	-1.346	-0.415	0.013	-0.141	-0.931	-0.145	-1.683	-1.086	
	20	1.180	0.262	-0.032	-1.983	-0.371	-0.624	0.240	-0.221	-1.086	
	Min	-0.963	-1.346	-1.180	-1.983	-0.601	-1.929	-2.452	-1.683	-1.701	
	Max	1.180	0.262	-0.032	0.013	0.397	-0.624	0.240	0.086	-0.010	
Mean	0.147	-0.485	-0.644	-1.120	-0.179	-1.085	-0.779	-0.452	-0.971		
Std. Dev	0.878	0.672	0.519	0.835	0.427	0.578	1.189	0.831	0.703		
Mean - 3 Sigma	-2.488	-2.499	-2.201	-3.624	-1.461	-2.818	-4.346	-2.945	-3.080		
Mean + 3 Sigma	2.782	1.530	0.913	1.385	1.103	0.649	2.787	2.040	1.138		

		Leakage_Low P0_3 (nA)			Leakage_Low P0_4 (nA)			Leakage_Low P0_5 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-2.193	-0.199	0.605	-0.469	0.452	-0.718	0.908	-0.476	-0.668
	30k	3	0.031	1.105	1.065	-0.392	0.452	-1.562	-0.322	-0.476	-0.437
		4	1.412	-0.352	0.145	-0.085	-0.162	0.127	0.908	-0.706	0.101
5		0.568	-0.659	-0.852	-0.776	0.606	0.203	-0.168	-0.937	0.562	
50k	6	-0.812	0.031	-0.315	-0.316	-0.162	-0.027	-1.705	-2.013	0.331	
	7	-1.426	-0.582	0.298	0.836	-0.546	0.587	-0.706	-0.783	0.639	
	9	-0.582	0.415	0.298	-1.007	-1.314	0.280	-0.476	-0.629	0.485	
	19	-0.045	0.722	-0.622	0.068	-0.776	-0.487	-0.322	-0.322	-0.514	
	20	0.031	-0.352	-0.545	-0.008	-1.160	0.127	-1.167	-0.015	-0.668	
	Min	-1.426	-0.582	-0.622	-1.007	-1.314	-0.487	-1.167	-0.783	-0.668	
	Max	0.031	0.722	0.298	0.836	-0.546	0.587	-0.322	-0.015	0.639	
Mean	-0.506	0.051	-0.143	-0.028	-0.949	0.127	-0.668	-0.437	-0.015		
Std. Dev	0.672	0.618	0.510	0.756	0.351	0.452	0.368	0.341	0.672		
Mean - 3 Sigma	-2.520	-1.803	-1.672	-2.296	-2.003	-1.228	-1.773	-1.459	-2.029		
Mean + 3 Sigma	1.509	1.905	1.387	2.240	0.105	1.482	0.437	0.584	2.000		

		Leakage_Low P0_6 (nA)			Leakage_Low P0_7 (nA)			Leakage_Low P0_8 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-2.061	1.012	-1.036	-1.563	1.420	-0.019	0.058	-0.633	-1.708
	30k	3	-0.371	0.628	0.171	1.420	-0.798	-0.707	-0.710	0.058	-1.093
		4	-0.832	0.551	-0.213	-0.033	0.197	-0.096	0.750	-1.094	-1.478
5		-1.446	1.012	-0.059	-0.568	-0.568	-0.707	0.827	0.827	-1.862	
50k	6	-0.064	-0.371	0.171	-0.874	0.732	0.822	0.903	0.058	-1.631	
	7	-0.371	0.090	-0.136	-0.415	0.120	0.134	1.057	0.750	0.443	
	9	0.090	-0.448	-1.211	-0.262	1.115	-0.172	0.058	1.364	0.213	
	19	-0.525	-0.294	-0.520	-1.257	-0.339	-0.096	-0.326	1.441	-0.018	
	20	-0.294	0.628	-0.981	1.038	-0.339	0.440	-0.095	-0.326	-1.170	
	Min	-0.525	-0.448	-1.211	-1.257	-0.339	-0.172	-0.326	-0.326	-1.170	
	Max	0.090	0.628	-0.136	1.038	1.115	0.440	1.057	1.441	0.443	
Mean	-0.275	-0.006	-0.712	-0.224	0.139	0.077	0.174	0.807	-0.133		
Std. Dev	0.262	0.479	0.480	0.948	0.686	0.275	0.610	0.816	0.716		
Mean - 3 Sigma	-1.060	-1.444	-2.151	-3.069	-1.917	-0.749	-1.656	-1.642	-2.282		
Mean + 3 Sigma	0.510	1.432	0.727	2.621	2.196	0.902	2.003	3.256	2.016		

		Leakage_Low P0_9 (nA)			Leakage_Low P0_10 (nA)			Leakage_Low P0_11 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-0.098	-1.019	-0.819	-1.268	0.031	-1.553	-1.761	-0.763	-0.860
	30k	3	-0.098	-1.019	1.255	-0.122	0.719	0.662	-0.533	-0.072	0.062
		4	-0.405	-0.789	-0.358	-0.045	-0.274	-0.789	-1.300	-0.763	-0.552
5		1.285	-0.558	0.180	0.031	-0.810	-0.713	-1.300	-0.533	-2.012	
50k	6	-0.789	-0.482	-1.049	-0.504	0.108	-0.331	0.388	-1.070	-0.476	
	7	-0.789	0.594	-0.281	-0.274	-0.198	0.739	-0.993	0.235	-0.091	
	9	-1.711	0.210	-0.358	0.031	0.414	-1.248	-0.686	-2.528	-1.090	
	19	0.824	0.671	0.948	-2.262	-0.122	0.968	0.158	-0.379	-1.167	
	20	-1.096	-0.558	-1.433	0.949	-0.504	-0.254	-0.840	0.235	0.139	
	Min	-1.711	-0.558	-1.433	-2.262	-0.504	-1.248	-0.993	-2.528	-1.167	
	Max	0.824	0.671	0.948	0.949	0.414	0.968	0.158	0.235	0.139	
Mean	-0.693	0.229	-0.281	-0.389	-0.103	0.051	-0.590	-0.609	-0.552		
Std. Dev	1.082	0.562	0.974	1.353	0.382	1.016	0.514	1.312	0.673		
Mean - 3 Sigma	-3.938	-1.457	-3.202	-4.447	-1.248	-2.996	-2.133	-4.544	-2.570		
Mean + 3 Sigma	2.552	1.916	2.640	3.669	1.043	3.098	0.953	3.325	1.466		

		Leakage_Low P1_11 (nA)			Leakage_Low P1_10 (nA)			Leakage_Low P1_9 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		0.020	0.020	-0.883	-0.427	-0.197	-0.197	0.763	-0.924	0.653
	30k	3	0.710	0.480	-0.039	-1.038	-1.726	-1.726	-0.157	0.917	-0.421
		4	-0.593	-0.057	-0.653	1.103	-0.885	-0.885	-0.311	-1.155	-0.191
5		-0.440	-0.210	-0.729	-1.956	-2.032	-2.032	-0.387	-0.157	-1.112	
50k	6	-1.054	-0.670	0.191	0.338	-0.197	-0.197	0.303	0.763	1.036	
	7	0.020	0.097	-1.036	0.797	-1.421	-1.421	0.150	-0.848	1.267	
	9	0.097	-0.670	0.574	-0.274	0.032	0.032	-0.694	-0.311	0.653	
	19	-0.363	-0.210	0.498	-0.121	-1.726	-1.726	-0.694	-0.387	1.267	
	20	-0.747	-0.900	-2.186	-1.038	0.491	0.491	0.226	-1.078	0.730	
	Min	-0.747	-0.900	-2.186	-1.038	-1.726	-1.726	-0.694	-1.078	0.653	
	Max	0.097	0.097	0.574	0.797	0.491	0.491	0.226	-0.311	1.267	
Mean	-0.248	-0.421	-0.538	-0.159	-0.656	-0.656	-0.253	-0.656	0.979		
Std. Dev	0.389	0.449	1.326	0.753	1.083	1.083	0.510	0.368	0.334		
Mean - 3 Sigma	-1.414	-1.767	-4.515	-2.418	-3.905	-3.905	-1.784	-1.760	-0.022		
Mean + 3 Sigma	0.918	0.926	3.440	2.100	2.593	2.593	1.278	0.448	1.980		

		Leakage_Low P1_8 (nA)			Leakage_Low P1_7 (nA)			Leakage_Low P1_6 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		0.907	-0.706	1.139	-0.302	-2.217	-1.784	-0.568	-0.186	-0.296
	3		0.062	-1.167	0.371	-2.140	-0.532	-1.172	0.044	-0.186	-0.831
30k	4		-0.168	-1.090	-0.781	-0.609	-0.838	-0.406	0.273	-0.033	-0.066
	5		0.446	-0.476	-0.397	-0.609	-0.685	-2.167	-1.255	-0.186	1.309
	6		-0.399	-1.090	-0.397	-0.685	0.387	-2.703	-0.033	-0.338	0.392
50k	7		-0.706	0.370	-1.625	-1.834	-1.298	-2.091	0.884	-0.873	0.010
	9		0.754	-1.551	-2.086	-1.681	-1.145	-0.942	-0.033	-1.179	-1.366
	19		-0.706	-1.628	-1.165	-1.451	-0.302	-1.784	-0.797	0.273	1.309
	20		-0.783	-0.322	-0.243	0.234	-1.987	-2.320	-0.109	-0.568	-0.449
	Min		-0.783	-1.628	-2.086	-1.834	-1.987	-2.320	-0.797	-1.179	-1.366
	Max		0.754	0.370	0.243	0.234	-0.302	-0.942	0.884	0.273	1.309
	Mean		-0.360	-0.783	-1.280	-1.183	-1.183	-1.784	-0.014	-0.587	-0.124
	Std. Dev		0.744	0.974	0.787	0.958	0.692	0.603	0.690	0.625	1.113
	Mean - 3 Sigma		-2.591	-3.705	-3.640	-4.056	-3.259	-3.593	-2.084	-2.462	-3.464
	Mean + 3 Sigma		1.871	2.139	1.081	1.690	0.893	0.024	2.057	1.289	3.216

		Leakage_Low P1_5 (nA)			Leakage_Low P1_4 (nA)			Leakage_Low P1_3 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-0.648	-0.264	-1.227	-0.794	-0.718	-0.491	-1.117	0.107	-0.932
	3		-1.492	-0.111	-1.304	0.505	-0.259	-1.179	0.337	0.337	-0.627
30k	4		-0.571	0.043	-1.841	1.041	0.353	-0.261	-1.193	-0.199	-0.474
	5		-0.494	-0.801	-0.997	0.888	-0.106	-0.873	-0.352	-1.193	0.521
	6		-0.571	-1.185	0.000	1.347	0.123	-1.026	-0.887	0.184	0.215
50k	7		-0.878	-0.878	-0.690	-0.412	-0.642	0.274	0.642	-1.117	-0.932
	9		-0.878	-1.339	-0.153	-0.336	0.047	-0.949	-1.117	-1.117	-1.774
	19		-0.494	-0.878	-0.230	-0.030	-0.336	-0.491	-0.428	-1.117	-1.085
	20		-1.569	-0.264	0.767	0.200	0.964	0.121	1.254	-0.046	-2.003
	Min		-1.569	-1.339	-0.690	-0.412	-0.642	-0.949	-1.117	-1.117	-2.003
	Max		-0.494	-0.264	0.767	0.200	0.964	0.274	1.254	-0.046	-0.932
	Mean		-0.955	-0.840	-0.077	-0.145	0.008	-0.261	0.088	-0.849	-1.449
	Std. Dev		0.448	0.441	0.610	0.283	0.697	0.565	1.062	0.536	0.520
	Mean - 3 Sigma		-2.298	-2.163	-1.907	-0.993	-2.082	-1.957	-3.099	-2.456	-3.010
	Mean + 3 Sigma		0.388	0.484	1.754	0.704	2.098	1.434	3.274	0.757	0.113

		Leakage_Low P1_2 (nA)			Leakage_Low P1_1 (nA)			Leakage_Low P1_0 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-0.960	0.419	0.102	0.457	-0.389	0.948	-0.215	2.237	-0.439
	3		0.649	-0.117	-0.740	-0.158	-0.620	-0.742	1.011	1.088	-0.209
30k	4		-0.270	-0.041	-0.434	-0.620	-0.389	-1.050	0.091	1.011	-1.588
	5		0.725	-0.041	0.025	-1.465	-0.543	-0.358	0.321	-0.752	-1.665
	6		-1.955	-1.113	-1.046	0.995	-0.312	-0.742	-0.675	-0.215	-0.056
50k	7		0.419	-0.577	0.025	1.302	-0.927	-0.512	-0.599	-1.288	-0.975
	9		-0.041	0.419	-0.281	-0.235	0.380	0.026	0.474	-0.599	-0.745
	19		-2.032	-0.806	-0.587	0.533	1.840	-0.896	-0.522	0.398	-0.592
	20		-0.653	-0.730	-0.511	-0.850	1.379	0.410	-2.361	-0.139	1.093
	Min		-2.032	-0.806	-0.587	-0.850	-0.927	-0.896	-2.361	-1.288	-0.975
	Max		0.419	0.419	0.025	1.302	1.840	0.410	0.474	0.398	1.093
	Mean		-0.577	-0.424	-0.339	0.188	0.668	-0.243	-0.752	-0.407	-0.305
	Std. Dev		1.065	0.570	0.275	0.934	1.226	0.577	1.179	0.715	0.945
	Mean - 3 Sigma		-3.771	-2.133	-1.164	-2.614	-3.009	-1.973	-4.288	-2.551	-3.140
	Mean + 3 Sigma		2.618	1.286	0.487	2.989	4.345	1.487	2.784	1.737	2.530

		Leakage_Low REF_CLK_IN (nA)			Leakage_In_Hi CTRL_IN3 (nA)			Leakage_In_Hi CTRL_IN2 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-0.792	-3.483	-0.903	-0.258	0.049	-0.905	0.130	-0.254	0.694
	3		-2.484	-2.253	-1.979	0.357	0.203	0.171	0.590	0.437	0.463
30k	4		-0.946	-1.869	-0.980	0.434	0.280	-0.598	0.744	0.667	-0.611
	5		-1.792	-2.637	-2.902	0.664	0.664	-0.829	0.053	1.894	-0.841
	6		-2.560	-3.406	-3.440	0.357	-0.181	-0.060	0.667	-0.484	0.847
50k	7		-1.331	-1.177	-3.363	-0.105	-0.796	0.939	-0.868	0.283	0.233
	9		-1.869	-3.098	-1.288	-0.258	-0.412	0.171	0.590	0.513	-0.764
	19		-1.869	-3.790	-2.210	-0.796	-1.258	0.555	0.130	0.283	-1.148
	20		-3.560	-1.715	-1.979	0.357	-0.566	-1.136	0.667	-1.482	-0.611
	Min		-3.560	-3.790	-3.363	-0.796	-1.258	-1.136	-0.868	-1.482	-1.148
	Max		-1.331	-1.177	-1.288	0.357	-0.412	0.939	0.667	0.513	0.233
	Mean		-2.157	-2.445	-2.210	-0.201	-0.758	0.132	0.130	-0.101	-0.573
	Std. Dev		0.969	1.208	0.863	0.475	0.369	0.902	0.706	0.927	0.583
	Mean - 3 Sigma		-5.064	-6.068	-4.798	-1.627	-1.864	-2.573	-1.989	-2.882	-2.320
	Mean + 3 Sigma		0.750	1.178	0.378	1.226	0.348	2.838	2.248	2.681	1.175

		Leakage_In_Hi CTRL_IN1 (nA)			Leakage_In_Hi CTRL_IN0 (nA)			Leakage_In_Hi ENABLE (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-0.717	0.203	-1.432	-0.898	0.870	-1.158	-0.376	-1.141	-0.015
	3		0.126	-1.177	-0.513	1.331	-0.667	0.071	-0.911	0.313	-0.092
30k	4		1.200	1.046	0.484	-1.051	-0.052	-0.927	-0.835	0.007	-1.316
	5		1.276	-0.257	0.024	0.025	0.101	0.609	0.389	1.154	0.826
	6		0.050	-0.180	0.484	-0.206	-0.129	-0.543	0.542	-0.376	0.520
50k	7		-0.333	0.586	0.484	0.178	1.562	-0.927	-0.223	-0.299	-0.474
	9		0.433	-0.410	1.173	-1.743	-0.975	0.455	-0.070	-0.605	1.362
	19		1.046	0.740	0.100	-0.283	1.177	-0.543	-0.376	-0.682	-0.092
	20		0.433	0.740	-0.359	0.563	0.178	0.225	-1.294	0.848	0.291
	Min		-0.333	-0.410	-0.359	-1.743	-0.975	-0.927	-1.294	-0.682	-0.474
	Max		1.046	0.740	1.173	0.563	1.562	0.455	-0.070	0.848	1.362
	Mean		0.395	0.414	0.350	-0.321	0.486	-0.198	-0.491	-0.185	0.272
	Std. Dev		0.565	0.554	0.648	1.009	1.135	0.647	0.550	0.708	0.791
	Mean - 3 Sigma		-1.299	-1.248	-1.595	-3.348	-2.919	-2.138	-2.140	-2.308	-2.102
	Mean + 3 Sigma		2.089	2.076	2.294	2.706	3.890	1.743	1.159	1.939	2.645

		Leakage_In_Hi_EN_AGC (nA)			Leakage_In_Hi_FBCLK_N (nA)			Leakage_In_Hi_FBCLK_P (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-0.917	-1.454	-0.863	-0.384	-0.613	-0.036	0.624	-1.295	-0.079
	3		-0.073	-1.070	-0.096	-1.759	0.151	0.270	1.392	0.548	0.459
	4		-0.610	0.925	0.748	0.992	1.068	0.575	-1.065	1.162	-0.156
30k	5		0.004	0.464	-2.243	0.151	-1.606	0.652	0.317	0.240	-0.770
	6		-0.303	-0.533	-1.093	-0.384	0.457	-0.189	1.315	-0.220	-0.386
	7		0.234	0.618	-0.249	-0.384	0.457	-0.953	0.624	0.394	1.073
50k	9		0.157	0.694	-0.173	0.380	0.533	0.422	-1.372	0.778	0.151
	19		-0.457	1.692	0.901	0.533	-1.147	-0.418	-0.144	1.315	-1.154
	20		-0.073	0.004	-0.786	-0.307	0.457	1.110	0.624	1.008	-0.770
		Min	-0.457	0.004	-0.786	-0.384	-1.147	-0.953	-1.372	0.394	-1.154
		Max	0.234	1.692	0.901	0.533	0.533	1.110	0.624	1.315	1.073
		Mean	-0.035	0.752	-0.077	0.056	0.075	0.040	-0.067	0.874	-0.175
		Std. Dev	0.310	0.699	0.707	0.468	0.815	0.910	0.942	0.388	0.996
		Mean - 3 Sigma	-0.965	-1.344	-2.197	-1.349	-2.371	-2.691	-2.894	-0.291	-3.163
		Mean + 3 Sigma	0.896	2.848	2.043	1.460	2.521	2.772	2.760	2.038	2.813

		Leakage_In_Hi_RESETB (nA)			Leakage_In_Hi_SPI_CLK (nA)			Leakage_In_Hi_SPI_DI (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-0.046	-0.276	0.048	-0.095	1.054	-1.150	1.282	0.744	0.202
	3		0.491	-0.276	1.658	0.748	0.058	-0.460	0.821	-0.486	0.971
	4		-0.046	0.337	1.581	-1.014	0.748	0.229	0.667	-1.716	0.048
30k	5		0.337	0.337	0.355	0.135	-0.095	0.842	0.437	1.129	1.432
	6		1.104	1.411	0.432	0.058	0.901	-0.537	1.898	-0.101	0.740
	7		1.411	0.567	-0.258	-0.401	0.518	-0.307	-0.178	0.975	1.355
50k	9		0.107	0.491	-0.258	0.135	0.824	-0.537	1.052	1.206	0.510
	19		1.181	-0.046	0.278	1.360	0.594	1.454	-0.409	1.206	0.663
	20		1.104	0.567	0.278	-0.018	-0.478	0.842	-0.025	0.821	-0.336
		Min	0.107	-0.046	-0.258	-0.401	-0.478	-0.537	-0.409	0.821	-0.336
		Max	1.411	0.567	0.278	1.360	0.824	1.454	1.052	1.206	1.355
		Mean	0.951	0.395	0.010	0.269	0.365	0.363	0.110	1.052	0.548
		Std. Dev	0.577	0.296	0.309	0.761	0.577	0.945	0.648	0.189	0.695
		Mean - 3 Sigma	-0.782	-0.493	-0.918	-2.015	-1.365	-2.472	-1.833	0.486	-1.536
		Mean + 3 Sigma	2.683	1.283	0.938	2.553	2.094	3.198	2.053	1.618	2.632

		Leakage_In_Hi_SPI_ENN (nA)			Leakage_In_Hi_SYNC_IN (nA)			Leakage_In_Hi_TXNRX (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-1.056	-0.291	-0.335	-0.547	-0.853	0.537	0.953	0.492	0.931
	3		-0.597	-0.444	0.201	0.753	1.136	0.460	-0.430	0.338	0.624
	4		0.934	0.321	0.660	-0.776	-0.470	-0.304	0.645	0.492	0.777
30k	5		-0.520	-0.444	0.507	0.142	0.677	-0.840	1.644	1.106	0.086
	6		0.245	-0.291	-0.795	0.142	1.442	-1.758	-0.353	0.031	0.086
	7		0.857	0.551	-0.871	-0.317	-0.241	0.231	0.415	1.644	1.085
50k	9		0.857	0.245	-0.641	1.059	0.524	-0.534	0.184	1.414	3.236
	19		-0.673	0.704	0.201	0.983	0.677	0.384	-0.046	-0.507	-0.913
	20		0.015	-1.132	-0.106	2.207	0.677	-0.993	0.184	1.183	0.393
		Min	-0.673	-1.132	-0.871	-0.317	-0.241	-0.993	-0.046	-0.507	-0.913
		Max	0.857	0.704	0.201	2.207	0.677	0.384	0.415	1.644	3.236
		Mean	0.264	0.092	-0.354	0.983	0.409	-0.228	0.184	0.934	0.950
		Std. Dev	0.740	0.838	0.490	1.032	0.439	0.649	0.188	0.979	1.734
		Mean - 3 Sigma	-1.956	-2.422	-1.823	-2.112	-0.909	-2.175	-0.380	-2.002	-4.253
		Mean + 3 Sigma	2.484	2.606	1.115	4.078	1.728	1.719	0.749	3.869	6.154

		Leakage_test_enable_Hi (nA)			Leakage_Hi_P0_0 (nA)			Leakage_Hi_P0_1 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-0.946	-0.026	-0.633	-7.027	-9.319	-3.819	0.152	-1.370	-9.210
	3		0.280	-0.792	-0.556	3.667	9.777	3.819	11.568	2.435	2.969
	4		1.277	1.583	-0.939	5.958	-12.374	-5.347	-10.503	-12.786	-8.449
30k	5		-0.026	0.204	0.516	-8.555	-1.680	3.055	12.329	-7.458	-1.599
	6		0.051	0.664	1.282	11.305	2.903	-9.930	-0.609	9.285	-1.599
	7		0.434	-0.103	-0.479	-1.680	-0.153	-0.764	-5.175	7.763	3.730
50k	9		0.127	0.127	-0.097	-13.138	7.486	3.055	7.002	6.241	0.685
	19		0.664	-0.103	-0.479	-6.264	-17.721	-2.292	-2.892	8.524	5.252
	20		-0.256	2.349	-0.173	-6.264	3.667	-3.055	-12.025	-5.175	6.013
		Min	-0.256	-0.103	-0.479	-13.138	-17.721	-3.055	-12.025	-5.175	0.685
		Max	0.664	2.349	-0.097	-1.680	7.486	3.055	7.002	8.524	6.013
		Mean	0.242	0.568	-0.307	-6.837	-1.680	-0.764	-3.273	4.338	3.920
		Std. Dev	0.398	1.193	0.201	4.724	11.139	2.718	7.873	6.413	2.356
		Mean - 3 Sigma	-0.953	-3.010	-0.910	-21.009	-35.098	-8.919	-26.890	-14.900	-3.149
		Mean + 3 Sigma	1.437	4.145	0.296	7.336	31.738	7.391	20.345	23.577	10.989

		Leakage_Hi_P0_2 (nA)			Leakage_Hi_P0_3 (nA)			Leakage_Hi_P0_4 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-0.076	-1.599	11.417	-6.309	-7.069	2.887	-7.400	-2.060	-10.594
	3		-1.599	-7.692	-3.806	8.893	3.573	4.407	7.095	0.992	1.601
	4		-5.407	-0.838	-3.044	-6.309	11.934	2.887	0.992	-5.112	8.460
30k	5		0.685	-2.361	0.761	5.853	-5.549	-5.471	9.384	-18.844	10.747
	6		-10.738	-14.546	0.000	14.214	-4.029	3.647	-15.030	-1.297	3.125
	7		6.016	6.016	0.761	7.373	-0.988	8.206	2.518	-3.586	6.174
50k	9		-9.215	6.016	-12.178	8.893	7.373	-0.152	9.384	-8.163	3.887
	19		9.824	4.493	-6.850	-1.748	1.292	6.686	7.858	10.147	-12.881
	20		-9.977	4.493	5.328	-19.991	5.853	12.765	6.332	0.992	-7.546
		Min	-9.977	4.493	-12.178	-19.991	-0.988	-0.152	2.518	-8.163	-12.881
		Max	9.824	6.016	5.328	8.893	7.373	12.765	9.384	10.147	6.174
		Mean	-0.838	5.255	-3.235	-1.368	3.383	6.876	6.523	-0.153	-2.592
		Std. Dev	10.236	0.879	7.796	13.275	3.894	5.350	2.946	7.818	9.115
		Mean - 3 Sigma	-31.547	2.617	-26.623	-41.192	-8.301	-9.175	-2.316	-23.605	-29.935
		Mean + 3 Sigma	29.871	7.892	20.154	38.456	15.066	22.927	15.362	23.300	24.752

		Leakage_Hi P0_5 (nA)			Leakage_Hi P0_6 (nA)			Leakage_Hi P0_7 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-5.045	-9.631	9.471	5.946	-8.538	-7.850	2.133	-7.009	-4.804
	3		-5.045	-6.574	9.471	-7.776	3.659	-6.326	4.419	-3.200	4.346
	4		2.599	1.835	-11.151	-1.677	-3.202	11.965	-10.056	5.942	6.634
30k	5		1.070	-11.925	1.069	-5.489	18.906	4.344	-1.676	8.990	-20.054
	6		-1.987	-5.045	-3.513	-0.152	0.610	-5.564	-5.485	0.609	-0.229
	7		-13.453	-1.987	7.943	8.233	4.422	-1.753	9.752	8.228	-0.229
50k	9		-3.516	-1.223	-3.513	2.135	3.659	-1.753	11.275	8.990	-8.616
	19		-8.103	-2.752	-1.222	1.372	-9.301	-4.039	-8.533	1.371	7.396
	20		-13.453	-13.453	0.306	9.758	-11.588	2.820	5.942	-4.723	-4.804
	Min		-13.453	-13.453	-3.513	1.372	-11.588	-4.039	-8.533	-4.723	-8.616
	Max		-3.516	-1.223	7.943	9.758	4.422	2.820	11.275	8.990	7.396
	Mean		-9.631	-4.854	0.879	5.375	-3.202	-1.181	4.609	3.467	-1.563
	Std. Dev		4.794	5.767	4.964	4.239	8.421	2.877	9.044	6.446	6.887
	Mean - 3 Sigma		-24.013	-22.154	-14.014	-7.342	-28.464	-9.812	-22.523	-15.871	-22.224
	Mean + 3 Sigma		4.750	12.446	15.771	18.091	22.060	7.450	31.741	22.804	19.098

		Leakage_Hi P0_8 (nA)			Leakage_Hi P0_9 (nA)			Leakage_Hi P0_10 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		0.915	-1.373	-9.233	-6.263	-1.680	2.214	1.518	-1.518	-9.873
	3		4.729	-12.815	-6.944	-3.971	-0.153	-6.184	-12.905	0.759	11.392
	4		-9.763	3.966	-5.418	12.067	-10.081	2.214	3.795	7.591	3.797
30k	5		4.729	2.441	-5.418	5.193	4.430	-0.076	11.386	-0.759	4.557
	6		3.966	1.678	-1.602	-13.136	-7.026	-3.894	-3.795	-8.350	-6.076
	7		-11.289	3.966	-1.602	5.193	-3.971	0.687	-3.036	-4.555	2.278
50k	9		10.069	3.204	-9.233	8.248	0.611	4.505	-5.314	-6.832	9.114
	19		7.780	6.255	-0.839	17.413	1.375	-2.367	-22.014	5.314	2.278
	20		-5.950	9.306	-5.418	2.902	-7.026	11.376	-6.073	-3.795	-6.835
	Min		-11.289	3.204	-9.233	2.902	-7.026	-2.367	-22.014	-6.832	-6.835
	Max		10.069	9.306	-0.839	17.413	1.375	11.376	-3.036	5.314	9.114
	Mean		0.153	5.683	-4.273	8.439	-2.253	3.550	-9.109	-2.467	1.709
	Std. Dev		10.403	2.741	3.866	6.371	3.962	5.926	8.699	5.345	6.544
	Mean - 3 Sigma		-31.056	-2.542	-15.871	-10.674	-14.139	-14.229	-35.208	-18.503	-17.924
	Mean + 3 Sigma		31.361	13.907	7.325	27.552	9.634	21.329	16.989	13.569	21.341

		Leakage_Hi P0_11 (nA)			Leakage_Hi P1_11 (nA)			Leakage_Hi P1_10 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-4.118	-0.305	5.336	-0.382	12.621	3.975	0.076	8.471	6.108
	3		15.708	-0.305	20.583	10.326	4.207	0.917	-2.213	-6.792	9.162
	4		12.658	-0.305	1.525	4.207	4.207	-0.612	8.471	-2.213	6.871
30k	5		-4.880	-4.880	6.861	1.147	-8.796	0.153	-3.739	2.366	-9.162
	6		-7.930	-1.830	-7.623	-2.677	1.147	-1.376	-22.818	3.892	-3.817
	7		-7.930	-8.693	-0.762	-1.912	-4.207	2.446	-12.897	1.603	-8.398
50k	9		8.083	14.945	-9.148	8.031	-14.915	4.739	5.418	-2.976	-1.527
	19		-10.218	9.608	-5.336	-1.147	3.442	-15.135	3.129	-3.739	-2.290
	20		-1.068	7.320	-3.812	-0.382	-1.912	-3.669	-3.739	6.945	0.000
	Min		-10.218	-8.693	-9.148	-1.912	-14.915	-15.135	-12.897	-3.739	-8.398
	Max		8.083	14.945	-0.762	8.031	3.442	4.739	5.418	6.945	0.000
	Mean		-2.783	5.795	-4.765	1.148	-4.398	-2.905	-2.022	0.458	-3.054
	Std. Dev		8.222	10.173	3.487	4.631	7.709	8.892	8.228	4.926	3.688
	Mean - 3 Sigma		-27.448	-24.725	-15.224	-12.746	-27.525	-29.582	-26.706	-14.320	-14.117
	Mean + 3 Sigma		21.881	36.315	5.695	15.041	18.729	23.772	22.662	15.237	8.010

		Leakage_Hi P1_9 (nA)			Leakage_Hi P1_8 (nA)			Leakage_Hi P1_7 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-1.530	3.061	-7.569	-0.456	-7.300	7.447	-7.008	14.321	8.829
	3		9.947	5.356	-2.982	4.866	2.585	-16.869	-5.485	6.703	-1.827
	4		6.121	6.886	1.606	-1.977	1.825	2.887	-13.864	-0.914	0.457
30k	5		-13.007	5.356	-2.217	1.825	7.148	2.887	-9.293	2.895	-14.004
	6		9.182	10.712	-6.805	1.825	4.106	-6.231	-0.914	-8.532	6.545
	7		3.826	-7.651	-8.334	-10.341	-6.539	-2.432	8.227	8.989	7.307
50k	9		2.295	-9.182	-3.746	4.866	0.304	4.407	-1.676	-11.579	-6.393
	19		-3.826	3.826	1.606	6.387	-7.300	-15.349	7.465	2.895	5.784
	20		5.356	1.530	-0.688	-1.217	-8.820	-19.908	2.133	1.371	-9.438
	Min		-3.826	-9.182	-8.334	-10.341	-8.820	-19.908	-1.676	-11.579	-9.438
	Max		5.356	3.826	1.606	6.387	0.304	4.407	8.227	8.989	7.307
	Mean		1.913	-2.869	-2.791	-0.076	-5.589	-8.321	4.037	0.419	-0.685
	Std. Dev		4.025	6.504	4.297	7.591	4.041	11.260	4.675	8.649	8.464
	Mean - 3 Sigma		-10.162	-22.380	-15.682	-22.849	-17.713	-42.099	-9.988	-25.529	-26.077
	Mean + 3 Sigma		13.987	16.642	10.101	22.696	6.535	25.458	18.063	26.367	24.707

		Leakage_Hi P1_6 (nA)			Leakage_Hi P1_5 (nA)			Leakage_Hi P1_4 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15		-8.048	-1.215	-12.598	-10.139	-0.991	3.122	1.745	1.745	0.304
	3		-3.493	-8.048	-1.973	-7.852	-1.753	-9.060	1.745	-5.843	-4.253
	4		-5.011	8.655	-5.768	15.780	2.058	4.644	11.610	-7.360	1.823
30k	5		-23.992	-8.807	-7.286	-13.188	-0.229	4.644	-1.290	-6.602	4.861
	6		-5.011	-4.252	3.339	9.682	-11.664	-0.685	7.057	2.504	3.342
	7		-2.733	-5.011	-3.491	-1.753	2.058	0.076	3.263	5.539	-5.772
50k	9		-0.456	-3.493	0.304	-10.901	4.345	15.303	8.574	-5.843	3.342
	19		6.378	-4.252	1.062	-13.951	-3.278	-2.208	-2.049	-1.290	12.456
	20		7.137	2.581	-2.732	-0.229	-1.753	3.122	-9.637	3.263	13.215
	Min		-2.733	-5.011	-3.491	-13.951	-3.278	-2.208	-9.637	-5.843	-5.772
	Max		7.137	2.581	1.062	-0.229	4.345	15.303	8.574	5.539	13.215
	Mean		2.582	-2.544	-1.214	-6.709	0.343	4.073	0.038	0.417	5.810
	Std. Dev		4.921	3.472	2.234	6.747	3.486	7.798	7.772	5.048	8.930
	Mean - 3 Sigma		-12.180	-12.961	-7.917	-26.950	-10.116	-19.322	-23.279	-14.726	-20.980
	Mean + 3 Sigma		17.343	7.873	5.488	13.533	10.802	27.468	23.355	15.560	32.600

		Leakage_Hi P1_3 (nA)			Leakage_Hi P1_2 (nA)			Leakage_Hi P1_1 (nA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	5.790	-0.305	-2.134	12.740	2.823	8.474	3.127	11.516	5.801	
	3	3.505	-4.114	-4.420	-0.992	14.265	3.130	-9.076	-5.262	4.275	
	4	0.457	-5.638	10.060	0.534	1.297	15.345	6.940	-6.788	13.435	
30k	5	-0.305	-6.400	-4.420	-10.909	6.637	-0.687	6.940	13.804	3.511	
	6	4.267	-7.924	3.963	2.060	-1.755	0.076	3.890	18.380	9.618	
	7	-7.162	-1.067	16.156	-2.517	8.162	-3.741	-12.126	6.940	4.275	
50k	9	-12.495	-0.305	-2.134	-4.043	-7.094	6.947	-2.974	-8.313	1.221	
	19	5.028	-9.447	-2.896	-6.332	8.162	-7.558	8.465	7.703	-4.122	
	20	-0.305	-1.829	8.535	-10.146	-14.723	4.657	-6.788	-7.550	0.458	
		Min	-12.495	-9.447	-2.896	-10.146	-14.723	-7.558	-12.126	-8.313	-4.122
		Max	5.028	-0.305	16.156	-2.517	8.162	6.947	8.465	7.703	4.275
		Mean	-3.734	-3.162	4.915	-5.760	-1.373	0.076	-3.356	-0.305	0.458
		Std. Dev	7.682	4.236	9.132	3.318	11.442	6.857	8.729	8.817	3.470
		Mean - 3 Sigma	-26.779	-15.870	-22.480	-15.714	-35.700	-20.494	-29.542	-26.757	-9.953
		Mean + 3 Sigma	19.312	9.546	32.310	4.195	32.954	20.646	22.831	26.147	10.869

		Leakage_Hi P1_0 (nA)			Leakage_Hi REF_CLK_IN (uA)			i total_sleep (mA)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	-13.474	-8.145	-5.335	82.171	82.483	82.865	2.557	1.598	2.079	
	3	-8.906	-5.861	-2.287	80.578	81.081	78.997	1.997	2.367	2.056	
	4	-2.817	0.228	6.860	74.199	75.517	73.050	1.897	1.713	1.929	
30k	5	-2.817	-13.474	6.098	80.768	81.957	79.218	1.749	1.852	2.035	
	6	0.990	-10.429	2.287	83.123	84.015	81.281	2.115	2.114	1.845	
	7	0.228	-9.668	7.622	65.358	65.609	64.103	1.987	1.543	2.005	
50k	9	-7.384	-1.294	3.049	79.671	80.311	77.786	2.346	1.946	1.640	
	19	18.498	7.841	5.335	82.194	83.520	80.863	1.976	1.630	2.217	
	20	0.228	-1.294	0.000	80.936	82.506	80.124	2.201	1.972	2.586	
		Min	-7.384	-9.668	0.000	65.358	65.609	64.103	1.976	1.543	1.640
		Max	18.498	7.841	7.622	82.194	83.520	80.863	2.346	1.972	2.586
		Mean	2.893	-1.104	4.002	77.040	77.987	75.719	2.128	1.773	2.112
		Std. Dev	11.005	7.151	3.256	7.856	8.360	7.854	0.179	0.218	0.396
		Mean - 3 Sigma	-30.123	-22.558	-5.767	53.473	52.908	52.156	1.591	1.118	0.925
		Mean + 3 Sigma	35.908	20.350	13.770	100.607	103.065	99.282	2.664	2.427	3.299

		i total_alert (mA)			rx1_feedthru_rej_A_2.3GHz_-22dBm (dB)			rx2_feedthru_rej_A_2.3GHz_-22dBm (dB)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	120.214	120.368	119.990	61.797	62.287	61.163	57.343	60.066	67.566	
	3	118.192	118.164	117.369	65.350	60.013	64.196	62.799	71.469	59.644	
	4	118.889	120.321	119.985	58.811	66.007	73.137	72.301	61.985	59.160	
30k	5	118.131	118.036	117.740	62.205	61.772	67.102	66.322	61.134	59.769	
	6	118.555	118.384	117.659	64.681	56.929	58.305	56.111	72.642	64.552	
	7	112.806	113.213	112.917	59.299	58.918	61.430	73.552	77.464	65.557	
50k	9	119.623	120.940	120.758	63.583	65.653	58.682	58.421	61.991	64.959	
	19	118.026	119.291	117.163	66.494	60.685	55.353	60.145	68.090	51.234	
	20	120.380	119.598	119.417	79.109	59.267	63.652	57.670	58.399	54.818	
		Min	112.806	113.213	112.917	59.299	58.918	55.353	57.670	58.399	51.234
		Max	120.380	120.940	120.758	79.109	65.653	63.652	73.552	77.464	65.557
		Mean	117.709	118.261	117.564	67.121	61.131	59.779	62.447	66.486	59.142
		Std. Dev	3.413	3.440	3.435	8.521	3.110	3.583	7.475	8.341	7.216
		Mean - 3 Sigma	107.471	107.939	107.260	41.559	51.800	49.030	40.021	41.464	37.493
		Mean + 3 Sigma	127.947	128.582	127.868	92.683	70.461	70.529	84.873	91.508	80.791

		rx1_feedthru_rej_A_2.3GHz_-68.5dBm (dB)			rx2_feedthru_rej_A_2.3GHz_-68.5dBm (dB)			tx1_fund_A_2.34GHz (dBm)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	49.239	51.810	52.354	65.662	60.791	55.086	5.670	5.630	5.673	
	3	51.763	51.709	51.477	66.509	62.715	61.049	5.591	5.606	5.353	
	4	51.704	50.831	52.560	60.274	57.397	77.060	5.533	5.533	5.447	
30k	5	49.845	50.391	52.110	57.875	64.137	62.991	5.518	5.500	5.449	
	6	51.178	51.087	57.034	53.824	66.232	60.440	5.564	5.564	5.505	
	7	51.860	50.284	50.144	60.672	61.200	57.478	5.422	5.446	5.347	
50k	9	54.061	51.420	50.274	59.030	59.011	67.669	5.561	5.589	5.479	
	19	58.016	50.637	53.044	57.564	63.943	68.152	5.563	5.576	5.467	
	20	53.301	52.052	53.849	54.051	59.447	62.974	5.569	5.589	5.522	
		Min	51.860	50.284	50.144	54.051	59.011	57.478	5.422	5.446	5.347
		Max	58.016	52.052	53.849	60.672	63.943	68.152	5.569	5.589	5.522
		Mean	54.310	51.098	51.828	57.829	60.900	64.068	5.529	5.550	5.454
		Std. Dev	2.634	0.793	1.899	2.821	2.238	4.976	0.071	0.070	0.075
		Mean - 3 Sigma	46.407	48.718	46.132	49.367	54.185	49.141	5.315	5.341	5.229
		Mean + 3 Sigma	62.212	53.479	57.524	66.291	67.615	78.995	5.742	5.759	5.679

		tx1_carrier_rej_A_2.34GHz (dBc)			tx2_fund_A_2.34GHz (dBm)			tx2_carrier_rej_A_2.34GHz (dBc)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	53.922	52.214	58.217	5.681	5.637	5.604	53.671	51.784	57.969	
	3	58.004	53.203	55.345	5.644	5.603	5.536	54.540	53.981	55.089	
	4	62.293	55.197	59.063	5.733	5.700	5.629	56.480	53.484	54.818	
30k	5	56.605	54.851	57.580	5.749	5.707	5.663	56.740	55.690	56.364	
	6	59.553	62.054	54.212	5.596	5.572	5.480	53.359	56.350	51.726	
	7	51.115	50.042	53.386	5.575	5.557	5.439	52.961	50.945	54.008	
50k	9	58.492	51.329	55.459	5.632	5.650	5.505	55.991	49.640	52.368	
	19	58.106	59.684	63.192	5.617	5.615	5.539	54.274	53.492	55.555	
	20	59.372	54.474	56.118	5.682	5.669	5.590	56.215	50.602	53.516	
		Min	51.115	50.042	53.386	5.575	5.557	5.439	52.961	49.640	52.368
		Max	59.372	59.684	63.192	5.682	5.669	5.590	56.215	53.492	55.555
		Mean	56.771	53.882	57.039	5.627	5.623	5.518	54.860	51.170	53.862
		Std. Dev	3.808	4.293	4.264	0.044	0.049	0.063	1.535	1.644	1.322
		Mean - 3 Sigma	45.348	41.005	44.246	5.494	5.475	5.328	50.257	46.238	49.897
		Mean + 3 Sigma	68.195	66.760	69.831	5.759	5.770	5.708	59.464	56.101	57.826

		tx1_carrier_rej_A_2.34GHz_41.75 (dBc)			tx2_carrier_rej_A_2.34GHz_41.75 (dBc)			LO_leakage_Rx1_A_2.3GHz (dBm)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	40.029	39.952	40.717	35.264	35.339	34.838	-104.444	-103.837	-104.719	
	3	34.182	35.009	35.320	31.450	31.151	30.939	-111.909	-108.012	-107.064	
	4	31.874	32.003	31.621	36.537	36.267	37.930	-109.254	-109.578	-107.503	
30k	5	35.660	35.975	36.317	37.813	37.065	36.601	-120.314	-109.925	-111.056	
	6	37.226	37.270	36.924	30.633	30.360	30.529	-101.155	-104.764	-103.350	
	7	36.378	35.241	34.687	47.068	48.249	46.881	-104.314	-106.757	-104.977	
50k	9	37.936	37.440	36.630	35.774	35.410	35.549	-109.181	-110.020	-105.701	
	19	33.347	33.667	33.562	32.947	32.971	32.408	-109.905	-105.985	-110.458	
	20	41.229	41.792	41.556	40.754	40.149	40.702	-109.479	-108.880	-110.067	
		Min	33.347	33.667	33.562	32.947	32.971	32.408	-109.905	-110.020	-110.458
		Max	41.229	41.792	41.556	47.068	48.249	46.881	-104.314	-105.985	-104.977
		Mean	37.223	37.035	36.609	39.136	39.195	38.885	-108.220	-107.911	-107.801
		Std. Dev	3.281	3.529	3.533	6.195	6.732	6.333	2.621	1.864	2.862
		Mean - 3 Sigma	27.380	26.449	26.009	20.550	18.999	19.886	-116.082	-113.504	-116.388
		Mean + 3 Sigma	47.065	47.621	47.208	57.721	59.390	57.884	-100.358	-102.317	-99.214

		LO_leakage_Rx2_A_2.3GHz (dBm)			rx1_feedthru_rej_B_2.34GHz_-19.5dBm (dB)			rx2_feedthru_rej_B_2.34GHz_-19.5dBm (dB)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	-101.902	-107.132	-104.709	43.030	43.215	42.130	41.762	40.100	41.244	
	3	-108.818	-111.711	-124.161	42.728	43.443	43.870	41.167	40.853	40.149	
	4	-102.328	-100.799	-105.420	42.220	43.257	43.100	41.377	40.084	40.858	
30k	5	-123.327	-109.081	-118.883	42.684	43.797	43.996	41.578	40.048	39.693	
	6	-100.849	-105.014	-103.225	42.940	44.346	43.906	41.058	39.839	40.710	
	7	-106.283	-112.850	-105.011	42.794	43.057	43.407	40.977	40.567	39.614	
50k	9	-98.919	-100.740	-98.461	43.889	43.265	42.673	40.910	40.103	41.014	
	19	-103.640	-106.052	-104.307	42.766	42.343	41.466	40.780	41.459	40.373	
	20	-122.006	-111.471	-109.299	42.954	43.579	42.839	40.851	40.271	40.936	
		Min	-122.006	-112.850	-109.299	42.766	42.343	41.466	40.780	40.103	39.614
		Max	-98.919	-100.740	-98.461	43.889	43.579	43.407	40.977	41.459	41.014
		Mean	-107.712	-107.778	-104.270	43.101	43.061	42.596	40.880	40.600	40.484
		Std. Dev	10.004	5.534	4.457	0.532	0.525	0.816	0.084	0.604	0.647
		Mean - 3 Sigma	-137.725	-124.380	-117.640	41.505	41.487	40.147	40.628	38.788	38.544
		Mean + 3 Sigma	-77.699	-91.176	-90.899	44.697	44.635	45.045	41.131	42.412	42.424

		rx1_feedthru_rej_B_2.34GHz_-67dBm (dB)			rx2_feedthru_rej_B_2.34GHz_-67dBm (dB)			tx1_fund_B_2.3GHz (dBm)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	40.267	42.686	41.567	44.011	41.477	41.057	5.096	5.057	5.154	
	3	40.640	42.651	43.040	42.930	41.778	42.569	5.045	5.037	5.024	
	4	40.856	43.318	41.955	42.673	42.492	41.443	4.948	4.940	4.948	
30k	5	40.897	43.211	43.513	42.242	42.098	42.421	4.949	4.930	4.942	
	6	40.463	42.424	43.434	43.037	41.339	42.638	4.989	4.983	5.005	
	7	41.412	41.486	42.589	43.267	41.516	41.816	4.870	4.884	4.843	
50k	9	42.946	43.265	42.381	43.075	41.274	42.122	5.019	5.044	4.995	
	19	41.398	41.088	41.834	41.962	41.311	43.639	4.985	4.996	4.986	
	20	41.863	42.327	42.513	43.785	40.653	41.739	4.985	5.011	5.028	
		Min	41.398	41.088	41.834	41.962	40.653	41.739	4.870	4.884	4.843
		Max	42.946	43.265	42.589	43.785	41.516	43.639	5.019	5.044	5.028
		Mean	41.905	42.042	42.329	43.022	41.189	42.329	4.965	4.984	4.963
		Std. Dev	0.72699	0.96544	0.34117	0.76781	0.37253	0.88886	0.06517	0.06946	0.08201
		Mean - 3 Sigma	39.724	39.145	41.306	40.719	40.071	39.662	4.769	4.775	4.717
		Mean + 3 Sigma	44.086	44.938	43.353	45.326	42.306	44.996	5.160	5.192	5.209

		tx1_carrier_rej_B_2.3GHz (dBc)			tx2_fund_B_2.3GHz (dBm)			tx2_carrier_rej_B_2.3GHz (dBc)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	54.347	53.357	54.249	5.212	5.185	5.427	55.878	53.957	53.948	
	3	64.602	53.929	60.901	5.214	5.170	5.380	57.501	51.892	59.407	
	4	54.186	54.323	53.269	5.306	5.240	5.504	51.431	52.757	51.145	
30k	5	52.888	54.209	53.827	5.300	5.248	5.507	53.966	55.391	54.135	
	6	57.362	64.728	59.233	5.118	5.122	5.290	54.394	56.626	56.184	
	7	54.679	49.363	50.016	5.150	5.122	5.344	57.997	51.186	51.547	
50k	9	51.576	50.398	55.143	5.208	5.206	5.387	50.896	49.788	53.753	
	19	54.654	61.742	57.131	5.172	5.197	5.402	50.998	58.179	52.913	
	20	53.369	50.732	51.883	5.221	5.210	5.427	51.986	47.896	49.509	
		Min	51.576	49.363	50.016	5.150	5.122	5.344	50.896	47.896	49.509
		Max	54.679	61.742	57.131	5.221	5.210	5.427	57.997	58.179	53.753
		Mean	53.570	53.059	53.543	5.188	5.184	5.390	52.969	51.762	51.931
		Std. Dev	1.46303	5.81810	3.19526	0.03260	0.04152	0.03482	3.38769	4.48525	1.85270
		Mean - 3 Sigma	49.180	35.604	43.957	5.090	5.059	5.286	42.806	38.307	46.372
		Mean + 3 Sigma	57.959	70.513	63.129	5.286	5.308	5.494	63.132	65.218	57.489

		tx1_carrier_rej_B_2.3GHz_41.75 (dBc)			tx2_carrier_rej_B_2.3GHz_41.75 (dBc)			LO_leakage_Rx1_B_2.34GHz (dBm)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	34.129	33.875	33.872	28.771	28.855	28.867	-98.552	-99.179	-99.253	
	3	36.473	36.370	36.364	44.355	43.545	42.885	-111.408	-110.627	-112.415	
	4	41.161	40.289	40.422	34.039	33.813	33.681	-104.472	-105.295	-104.021	
30k	5	39.261	38.652	38.086	35.475	35.605	36.004	-108.023	-107.438	-106.941	
	6	40.607	40.431	40.270	32.352	32.590	32.810	-101.155	-101.935	-99.607	
	7	36.825	37.284	37.566	33.773	32.918	33.471	-102.234	-103.037	-102.170	
50k	9	35.371	34.829	34.939	36.721	36.514	36.410	-109.581	-109.161	-111.595	
	19	41.951	42.090	42.050	52.503	48.938	51.054	-105.672	-103.596	-105.995	
	20	36.076	35.853	35.199	37.531	38.039	38.499	-106.118	-108.702	-108.770	
		Min	35.371	34.829	34.939	33.773	32.918	33.471	-109.581	-109.161	-111.595
		Max	41.951	42.090	42.050	52.503	48.938	51.054	-102.234	-103.037	-102.170
		Mean	37.556	37.514	37.439	40.132	39.102	39.859	-105.901	-106.124	-107.133
		Std. Dev	2.990	3.213	3.294	8.404	6.900	7.743	3.005	3.255	4.021
		Mean - 3 Sigma	28.587	27.876	27.557	14.920	18.403	16.628	-114.916	-115.890	-119.197
		Mean + 3 Sigma	46.525	47.152	47.320	65.344	59.801	63.089	-96.886	-96.358	-95.068

		LO_leakage_Rx2_B_2.34GHz (dBm)			rx1_feedthru_rej_C_2.3GHz_-19.5dBm (dB)			rx2_feedthru_rej_C_2.3GHz_-19.5dBm (dB)			
		SN	Pre	Post	168hr	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	-106.109	-107.449	-104.944	52.851	56.569	58.253	64.880	56.270	58.828	
	3	-109.548	-110.095	-109.383	59.674	57.820	59.897	56.066	55.515	56.562	
30k	4	-102.633	-104.940	-103.033	57.765	54.625	57.608	57.298	56.455	58.229	
	5	-106.952	-111.463	-111.797	60.352	55.982	59.447	56.333	59.785	56.779	
	6	-109.040	-106.760	-110.144	60.274	57.277	55.890	56.841	59.886	60.731	
50k	7	-108.433	-109.073	-110.326	57.345	52.439	59.350	56.195	60.680	56.535	
	9	-101.160	-100.477	-101.852	59.054	59.497	54.162	56.140	57.295	64.654	
	19	-101.102	-102.805	-99.676	56.626	55.058	57.629	58.537	59.865	57.860	
	20	-113.112	-108.024	-121.890	53.632	59.621	59.818	57.573	56.727	55.627	
	Min	-113.112	-109.073	-121.890	53.632	52.439	54.162	56.140	56.727	55.627	
	Max	-101.102	-100.477	-99.676	59.054	59.621	59.818	58.537	60.680	64.654	
	Mean	-105.952	-105.095	-108.436	56.664	56.654	57.740	57.111	58.642	58.669	
	Std. Dev	5.885	4.122	10.078	2.264	3.521	2.564	1.159	1.926	4.094	
	Mean - 3 Sigma	-123.607	-117.461	-138.669	49.874	46.090	50.047	53.635	52.863	46.387	
	Mean + 3 Sigma	-88.296	-92.729	-78.203	63.455	67.218	65.432	60.588	64.420	70.951	

		LO_leakage_Rx1_C_2.3GHz (dBm)			LO_leakage_Rx2_C_2.3GHz (dBm)			
		SN	Pre	Post	168hr	Pre	Post	168hr
CTRL	15	-104.315	-104.052	-107.256	-108.406	-106.658	-106.153	
	3	-106.382	-107.838	-106.964	-119.930	-111.171	-113.204	
30k	4	-104.042	-103.821	-109.605	-109.093	-103.860	-112.123	
	5	-109.452	-123.835	-110.534	-108.630	-105.455	-107.293	
	6	-104.610	-102.393	-101.346	-111.664	-112.600	-110.627	
50k	7	-103.731	-101.630	-103.684	-112.152	-115.317	-117.942	
	9	-104.217	-109.198	-105.228	-105.690	-106.764	-104.379	
	19	-114.814	-110.276	-115.185	-114.557	-109.980	-110.749	
	20	-115.178	-111.639	-105.514	-100.852	-103.608	-102.686	
	Min	-115.178	-111.639	-115.185	-114.557	-115.317	-117.942	
	Max	-103.731	-101.630	-103.684	-100.852	-103.608	-102.686	
	Mean	-109.485	-108.186	-107.403	-108.313	-108.917	-108.939	
	Std. Dev	6.368	4.483	5.250	6.226	4.997	6.934	
	Mean - 3 Sigma	-128.590	-121.635	-123.153	-126.989	-123.908	-129.740	
	Mean + 3 Sigma	-90.380	-94.736	-91.653	-89.636	-93.926	-88.138	



























