

1. Frequency Stability

1.1 B2_1.4MHz

1.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.27	1.917	0.0010	-2.5 to 2.5	Pass
					3.85	0.687	0.0004	-2.5 to 2.5	Pass
					4.43	0.987	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	6.981	0.0038	-2.5 to 2.5	Pass
				-10	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				0	3.85	4.849	0.0026	-2.5 to 2.5	Pass
				10	3.85	4.206	0.0023	-2.5 to 2.5	Pass
				30	3.85	10.886	0.0059	-2.5 to 2.5	Pass
				40	3.85	6.094	0.0033	-2.5 to 2.5	Pass
				50	3.85	2.532	0.0014	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	4.663	0.0025	-2.5 to 2.5	Pass
					3.85	0.901	0.0005	-2.5 to 2.5	Pass
					4.43	-3.848	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	4.907	0.0026	-2.5 to 2.5	Pass
				-20	3.85	3.018	0.0016	-2.5 to 2.5	Pass
				-10	3.85	1.960	0.0010	-2.5 to 2.5	Pass
				0	3.85	7.496	0.0040	-2.5 to 2.5	Pass
				10	3.85	1.502	0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				50	3.85	-4.935	-0.0026	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	-2.332	-0.0012	-2.5 to 2.5	Pass
					3.85	-11.015	-0.0058	-2.5 to 2.5	Pass
					4.43	3.004	0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.860	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				0	3.85	1.173	0.0006	-2.5 to 2.5	Pass
				10	3.85	-5.093	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.705	-0.0019	-2.5 to 2.5	Pass
				40	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				50	3.85	3.633	0.0019	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	-4.807	-0.0026	-2.5 to 2.5	Pass
					3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
					4.43	2.918	0.0016	-2.5 to 2.5	Pass



				-30	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.262	-0.0018	-2.5 to 2.5	Pass
				0	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				30	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				40	3.85	-7.124	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-4.492	-0.0024	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	3.018	0.0016	-2.5 to 2.5	Pass
					3.85	2.332	0.0012	-2.5 to 2.5	Pass
					4.43	-4.306	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	1.903	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.359	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				10	3.85	3.161	0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-5.350	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	-0.229	-0.0001	-2.5 to 2.5	Pass
					3.85	1.874	0.0010	-2.5 to 2.5	Pass
					4.43	-4.263	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-2.761	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-5.407	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-9.413	-0.0049	-2.5 to 2.5	Pass
				0	3.85	4.191	0.0022	-2.5 to 2.5	Pass
				10	3.85	-2.489	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-3.276	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-2.432	-0.0013	-2.5 to 2.5	Pass



1.2 B2_3MHz

1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.27	1.831	0.0010	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
					4.43	-3.633	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.917	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-3.576	-0.0019	-2.5 to 2.5	Pass
				10	3.85	0.300	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-5.336	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-2.074	-0.0011	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	1.802	0.0010	-2.5 to 2.5	Pass
					3.85	-2.375	-0.0013	-2.5 to 2.5	Pass
					4.43	2.561	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.531	0.0008	-2.5 to 2.5	Pass
				-20	3.85	8.411	0.0045	-2.5 to 2.5	Pass
				-10	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	-3.233	-0.0017	-2.5 to 2.5	Pass
				30	3.85	0.815	0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				50	3.85	22.731	0.0121	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	-2.489	-0.0013	-2.5 to 2.5	Pass
					3.85	-3.047	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.845	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	7.024	0.0037	-2.5 to 2.5	Pass
				-20	3.85	3.734	0.0020	-2.5 to 2.5	Pass
				-10	3.85	0.987	0.0005	-2.5 to 2.5	Pass
				0	3.85	-7.596	-0.0040	-2.5 to 2.5	Pass
				10	3.85	3.061	0.0016	-2.5 to 2.5	Pass
				30	3.85	1.202	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.131	0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.791	-0.0020	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.27	-2.418	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.904	-0.0016	-2.5 to 2.5	Pass
					4.43	0.157	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-4.878	-0.0026	-2.5 to 2.5	Pass





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				-20	3.85	-2.117	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.159	0.0006	-2.5 to 2.5	Pass
				0	3.85	-5.178	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				30	3.85	3.905	0.0021	-2.5 to 2.5	Pass
				40	3.85	3.090	0.0017	-2.5 to 2.5	Pass
				50	3.85	2.246	0.0012	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-6.866	-0.0037	-2.5 to 2.5	Pass
					3.85	-6.466	-0.0034	-2.5 to 2.5	Pass
					4.43	12.603	0.0067	-2.5 to 2.5	Pass
				-30	3.85	-7.153	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-17.695	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-0.973	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-3.076	-0.0016	-2.5 to 2.5	Pass
				30	3.85	1.001	0.0005	-2.5 to 2.5	Pass
				40	3.85	-5.522	-0.0029	-2.5 to 2.5	Pass
				50	3.85	1.216	0.0006	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	-0.687	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
					4.43	-4.277	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-0.629	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-7.796	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	6.809	0.0036	-2.5 to 2.5	Pass
				0	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-5.622	-0.0029	-2.5 to 2.5	Pass
				40	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.432	-0.0013	-2.5 to 2.5	Pass

1.3 B2_5MHz

1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.27	-1.974	-0.0011	-2.5 to 2.5	Pass
					3.85	-6.237	-0.0034	-2.5 to 2.5	Pass
					4.43	4.907	0.0026	-2.5 to 2.5	Pass
				-30	3.85	-4.392	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.804	-0.0015	-2.5 to 2.5	Pass
				0	3.85	3.047	0.0016	-2.5 to 2.5	Pass
				10	3.85	4.821	0.0026	-2.5 to 2.5	Pass



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16QAM	1880	25	0	30	3.85	-9.270	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-1.373	-0.0007	-2.5 to 2.5	Pass
				50	3.85	3.076	0.0017	-2.5 to 2.5	Pass
				20	3.27	-3.591	-0.0019	-2.5 to 2.5	Pass
					3.85	-6.652	-0.0035	-2.5 to 2.5	Pass
					4.43	-1.631	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				-20	3.85	3.934	0.0021	-2.5 to 2.5	Pass
				-10	3.85	1.473	0.0008	-2.5 to 2.5	Pass
				0	3.85	3.548	0.0019	-2.5 to 2.5	Pass
	1907.5	25	0	10	3.85	8.755	0.0047	-2.5 to 2.5	Pass
				30	3.85	1.674	0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				50	3.85	9.370	0.0050	-2.5 to 2.5	Pass
				20	3.27	5.565	0.0029	-2.5 to 2.5	Pass
					3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
					4.43	-5.293	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-2.217	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	2.060	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.545	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-4.978	-0.0026	-2.5 to 2.5	Pass
				10	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				30	3.85	4.749	0.0025	-2.5 to 2.5	Pass
				40	3.85	6.537	0.0034	-2.5 to 2.5	Pass
				50	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	7.582	0.0041	-2.5 to 2.5	Pass
					3.85	-4.005	-0.0022	-2.5 to 2.5	Pass
					4.43	8.268	0.0045	-2.5 to 2.5	Pass
				-30	3.85	1.001	0.0005	-2.5 to 2.5	Pass
				-20	3.85	4.406	0.0024	-2.5 to 2.5	Pass
				-10	3.85	2.604	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.346	0.0013	-2.5 to 2.5	Pass
				10	3.85	6.695	0.0036	-2.5 to 2.5	Pass
				30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				40	3.85	2.975	0.0016	-2.5 to 2.5	Pass
	1880	25	0	50	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				20	3.27	2.203	0.0012	-2.5 to 2.5	Pass
					3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
					4.43	0.772	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-3.076	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.246	-0.0012	-2.5 to 2.5	Pass
				0	3.85	2.203	0.0012	-2.5 to 2.5	Pass
				10	3.85	-7.167	-0.0038	-2.5 to 2.5	Pass
				30	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.074	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-9.212	-0.0049	-2.5 to 2.5	Pass





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	1907.5	25	0	20	3.27	2.160	0.0011	-2.5 to 2.5	Pass
					3.85	5.221	0.0027	-2.5 to 2.5	Pass
					4.43	-0.658	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.732	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.202	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-3.262	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0014	-2.5 to 2.5	Pass
				30	3.85	3.333	0.0017	-2.5 to 2.5	Pass
				40	3.85	4.649	0.0024	-2.5 to 2.5	Pass
				50	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass

1.4 B2_10MHz

1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.27	-4.148	-0.0022	-2.5 to 2.5	Pass
					3.85	7.339	0.0040	-2.5 to 2.5	Pass
					4.43	2.475	0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.644	0.0003	-2.5 to 2.5	Pass
				-20	3.85	6.323	0.0034	-2.5 to 2.5	Pass
				-10	3.85	2.861	0.0015	-2.5 to 2.5	Pass
				0	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				10	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				30	3.85	7.467	0.0040	-2.5 to 2.5	Pass
				40	3.85	-4.091	-0.0022	-2.5 to 2.5	Pass
	1880	50	0	20	3.85	3.405	0.0018	-2.5 to 2.5	Pass
					3.27	20.070	0.0107	-2.5 to 2.5	Pass
					3.85	-560.646	-0.2982	-2.5 to 2.5	Pass
				-30	4.43	98.433	0.0524	-2.5 to 2.5	Pass
				-20	3.85	218.983	0.1165	-2.5 to 2.5	Pass
				-10	3.85	-14.391	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-5.479	-0.0029	-2.5 to 2.5	Pass
				10	3.85	65.103	0.0346	-2.5 to 2.5	Pass
				30	3.85	-311.208	-0.1655	-2.5 to 2.5	Pass
				40	3.85	-298.891	-0.1590	-2.5 to 2.5	Pass
	1905	50	0	20	3.85	55.861	0.0297	-2.5 to 2.5	Pass
					3.85	87.376	0.0465	-2.5 to 2.5	Pass
					3.27	-16.665	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-269.394	-0.1414	-2.5 to 2.5	Pass
					4.43	37.336	0.0196	-2.5 to 2.5	Pass
					3.85	-316.844	-0.1663	-2.5 to 2.5	Pass



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				-20	3.85	-71.483	-0.0375	-2.5 to 2.5	Pass
				-10	3.85	18.168	0.0095	-2.5 to 2.5	Pass
				0	3.85	196.123	0.1030	-2.5 to 2.5	Pass
				10	3.85	244.088	0.1281	-2.5 to 2.5	Pass
				30	3.85	244.632	0.1284	-2.5 to 2.5	Pass
				40	3.85	326.257	0.1713	-2.5 to 2.5	Pass
				50	3.85	40.827	0.0214	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	7.453	0.0040	-2.5 to 2.5	Pass
					3.85	-8.297	-0.0045	-2.5 to 2.5	Pass
					4.43	7.181	0.0039	-2.5 to 2.5	Pass
					4.43	7.181	0.0039	-2.5 to 2.5	Pass
				-30	3.85	10.700	0.0058	-2.5 to 2.5	Pass
				-20	3.85	5.593	0.0030	-2.5 to 2.5	Pass
				-10	3.85	3.834	0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.460	-0.0013	-2.5 to 2.5	Pass
				10	3.85	5.536	0.0030	-2.5 to 2.5	Pass
				30	3.85	7.281	0.0039	-2.5 to 2.5	Pass
				40	3.85	-4.234	-0.0023	-2.5 to 2.5	Pass
				50	3.85	4.320	0.0023	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	40.956	0.0218	-2.5 to 2.5	Pass
					3.85	23.460	0.0125	-2.5 to 2.5	Pass
					4.43	-748.301	-0.3980	-2.5 to 2.5	Pass
					4.43	-748.301	-0.3980	-2.5 to 2.5	Pass
				-30	3.85	-54.388	-0.0289	-2.5 to 2.5	Pass
				-20	3.85	-64.430	-0.0343	-2.5 to 2.5	Pass
				-10	3.85	28.095	0.0149	-2.5 to 2.5	Pass
				0	3.85	-84.186	-0.0448	-2.5 to 2.5	Pass
				10	3.85	12.159	0.0065	-2.5 to 2.5	Pass
				30	3.85	-394.635	-0.2099	-2.5 to 2.5	Pass
				40	3.85	-93.069	-0.0495	-2.5 to 2.5	Pass
				50	3.85	160.675	0.0855	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	3.605	0.0019	-2.5 to 2.5	Pass
					3.85	-43.988	-0.0231	-2.5 to 2.5	Pass
					4.43	-17.953	-0.0094	-2.5 to 2.5	Pass
					4.43	-17.953	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-59.781	-0.0314	-2.5 to 2.5	Pass
				-20	3.85	22.502	0.0118	-2.5 to 2.5	Pass
				-10	3.85	-29.168	-0.0153	-2.5 to 2.5	Pass
				0	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	-12.445	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-27.652	-0.0145	-2.5 to 2.5	Pass
				40	3.85	11.516	0.0060	-2.5 to 2.5	Pass
				50	3.85	-99.306	-0.0521	-2.5 to 2.5	Pass





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1.5 B2_15MHz

1.5.1 Test Result

Band: 2 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.27	-585.809	-0.3154	-2.5 to 2.5	Pass
					3.85	-631.971	-0.3402	-2.5 to 2.5	Pass
					4.43	-1537.042	-0.8275	-2.5 to 2.5	Pass
				-30	3.85	-1385.665	-0.7460	-2.5 to 2.5	Pass
				-20	3.85	-492.382	-0.2651	-2.5 to 2.5	Pass
				-10	3.85	-1350.274	-0.7269	-2.5 to 2.5	Pass
				0	3.85	-1497.145	-0.8060	-2.5 to 2.5	Pass
				10	3.85	-587.826	-0.3165	-2.5 to 2.5	Pass
				30	3.85	352.922	0.1900	-2.5 to 2.5	Pass
				40	3.85	-1059.251	-0.5703	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	18.482	0.0098	-2.5 to 2.5	Pass
					3.85	29.254	0.0156	-2.5 to 2.5	Pass
					4.43	3.233	0.0017	-2.5 to 2.5	Pass
				-30	3.85	1.345	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.659	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.659	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.388	0.0007	-2.5 to 2.5	Pass
				10	3.85	-14.534	-0.0077	-2.5 to 2.5	Pass
				30	3.85	6.952	0.0037	-2.5 to 2.5	Pass
				40	3.85	11.659	0.0062	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	11.759	0.0062	-2.5 to 2.5	Pass
					3.85	1.516	0.0008	-2.5 to 2.5	Pass
					4.43	21.544	0.0113	-2.5 to 2.5	Pass
				-30	3.85	22.988	0.0121	-2.5 to 2.5	Pass
				-20	3.85	-37.880	-0.0199	-2.5 to 2.5	Pass
				-10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-19.641	-0.0103	-2.5 to 2.5	Pass
				10	3.85	26.236	0.0138	-2.5 to 2.5	Pass
				30	3.85	-17.295	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-20.785	-0.0109	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.27	415.192	0.2235	-2.5 to 2.5	Pass
					3.85	92.468	0.0498	-2.5 to 2.5	Pass
					4.43	-2057.576	-1.1077	-2.5 to 2.5	Pass
				-30	3.85	-614.948	-0.3311	-2.5 to 2.5	Pass



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				-20	3.85	-947.857	-0.5103	-2.5 to 2.5	Pass
				-10	3.85	535.913	0.2885	-2.5 to 2.5	Pass
				0	3.85	360.646	0.1942	-2.5 to 2.5	Pass
				10	3.85	-558.357	-0.3006	-2.5 to 2.5	Pass
				30	3.85	-275.416	-0.1483	-2.5 to 2.5	Pass
				40	3.85	-1062.655	-0.5721	-2.5 to 2.5	Pass
				50	3.85	-626.221	-0.3371	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	21.071	0.0112	-2.5 to 2.5	Pass
					3.85	38.953	0.0207	-2.5 to 2.5	Pass
					4.43	10.958	0.0058	-2.5 to 2.5	Pass
				-30	3.85	33.617	0.0179	-2.5 to 2.5	Pass
				-20	3.85	37.165	0.0198	-2.5 to 2.5	Pass
				-10	3.85	26.493	0.0141	-2.5 to 2.5	Pass
				0	3.85	1.888	0.0010	-2.5 to 2.5	Pass
				10	3.85	7.167	0.0038	-2.5 to 2.5	Pass
				30	3.85	3.219	0.0017	-2.5 to 2.5	Pass
				40	3.85	25.363	0.0135	-2.5 to 2.5	Pass
				50	3.85	38.810	0.0206	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	7.367	0.0039	-2.5 to 2.5	Pass
					3.85	11.301	0.0059	-2.5 to 2.5	Pass
					4.43	23.532	0.0124	-2.5 to 2.5	Pass
				-30	3.85	14.534	0.0076	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	17.166	0.0090	-2.5 to 2.5	Pass
				0	3.85	19.727	0.0104	-2.5 to 2.5	Pass
				10	3.85	23.117	0.0122	-2.5 to 2.5	Pass
				30	3.85	10.071	0.0053	-2.5 to 2.5	Pass
				40	3.85	2.704	0.0014	-2.5 to 2.5	Pass
				50	3.85	21.029	0.0111	-2.5 to 2.5	Pass

1.6 B2_20MHz

1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	-275.230	-0.1480	-2.5 to 2.5	Pass
					3.85	-820.384	-0.4411	-2.5 to 2.5	Pass
					4.43	-475.860	-0.2558	-2.5 to 2.5	Pass
				-30	3.85	307.903	0.1655	-2.5 to 2.5	Pass
				-20	3.85	720.019	0.3871	-2.5 to 2.5	Pass
				-10	3.85	-230.899	-0.1241	-2.5 to 2.5	Pass
				0	3.85	370.688	0.1993	-2.5 to 2.5	Pass
				10	3.85	-141.163	-0.0759	-2.5 to 2.5	Pass



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16QAM	1880	100	0	30	3.85	-641.527	-0.3449	-2.5 to 2.5	Pass
				40	3.85	-724.869	-0.3897	-2.5 to 2.5	Pass
				50	3.85	1523.180	0.8189	-2.5 to 2.5	Pass
				20	3.27	-26.193	-0.0139	-2.5 to 2.5	Pass
					3.85	-1.931	-0.0010	-2.5 to 2.5	Pass
					4.43	-6.466	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-25.363	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-19.441	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-24.519	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-15.607	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-49.267	-0.0262	-2.5 to 2.5	Pass
				30	3.85	-9.713	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-8.597	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-11.616	-0.0062	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	-1552.763	-0.8172	-2.5 to 2.5	Pass
					3.85	-512.137	-0.2695	-2.5 to 2.5	Pass
					4.43	578.427	0.3044	-2.5 to 2.5	Pass
				-30	3.85	-779.872	-0.4105	-2.5 to 2.5	Pass
				-20	3.85	182.476	0.0960	-2.5 to 2.5	Pass
				-10	3.85	495.572	0.2608	-2.5 to 2.5	Pass
				0	3.85	88.820	0.0467	-2.5 to 2.5	Pass
				10	3.85	-99.578	-0.0524	-2.5 to 2.5	Pass
				30	3.85	-378.470	-0.1992	-2.5 to 2.5	Pass
				40	3.85	-893.168	-0.4701	-2.5 to 2.5	Pass
				50	3.85	-219.898	-0.1157	-2.5 to 2.5	Pass
	1860	100	0	20	3.27	34.118	0.0183	-2.5 to 2.5	Pass
					3.85	1338.630	0.7197	-2.5 to 2.5	Pass
					4.43	1423.130	0.7651	-2.5 to 2.5	Pass
				-30	3.85	965.924	0.5193	-2.5 to 2.5	Pass
				-20	3.85	479.350	0.2577	-2.5 to 2.5	Pass
				-10	3.85	5.364	0.0029	-2.5 to 2.5	Pass
				0	3.85	81.840	0.0440	-2.5 to 2.5	Pass
				10	3.85	491.266	0.2641	-2.5 to 2.5	Pass
				30	3.85	-147.214	-0.0791	-2.5 to 2.5	Pass
				40	3.85	-459.437	-0.2470	-2.5 to 2.5	Pass
				50	3.85	1586.652	0.8530	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	30.742	0.0164	-2.5 to 2.5	Pass
					3.85	-1.488	-0.0008	-2.5 to 2.5	Pass
					4.43	13.604	0.0072	-2.5 to 2.5	Pass
				-30	3.85	-5.164	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	1.874	0.0010	-2.5 to 2.5	Pass
				-10	3.85	34.990	0.0186	-2.5 to 2.5	Pass
				0	3.85	10.958	0.0058	-2.5 to 2.5	Pass
				10	3.85	19.498	0.0104	-2.5 to 2.5	Pass
				30	3.85	29.011	0.0154	-2.5 to 2.5	Pass
				40	3.85	-44.746	-0.0238	-2.5 to 2.5	Pass
				50	3.85	-853.429	-0.4540	-2.5 to 2.5	Pass





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	1900	100	0	20	3.27	-13.819	-0.0073	-2.5 to 2.5	Pass
					3.85	-32.301	-0.0170	-2.5 to 2.5	Pass
					4.43	-925.126	-0.4869	-2.5 to 2.5	Pass
				-30	3.85	743.666	0.3914	-2.5 to 2.5	Pass
				-20	3.85	-189.943	-0.1000	-2.5 to 2.5	Pass
				-10	3.85	-125.871	-0.0662	-2.5 to 2.5	Pass
				0	3.85	-596.752	-0.3141	-2.5 to 2.5	Pass
				10	3.85	-127.015	-0.0669	-2.5 to 2.5	Pass
				30	3.85	-293.956	-0.1547	-2.5 to 2.5	Pass
				40	3.85	13.890	0.0073	-2.5 to 2.5	Pass
50	3.85	930.619	0.4898	-2.5 to 2.5	Pass				

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-1.488	-0.0009	-2.5 to 2.5	Pass
					3.85	-3.877	-0.0023	-2.5 to 2.5	Pass
					4.43	-4.592	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.176	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				-10	3.85	4.849	0.0028	-2.5 to 2.5	Pass
				0	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				30	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				40	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
	50	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	4.220	0.0024	-2.5 to 2.5	Pass
					3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
					4.43	2.160	0.0012	-2.5 to 2.5	Pass
				-30	3.85	4.249	0.0025	-2.5 to 2.5	Pass
				-20	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				0	3.85	5.336	0.0031	-2.5 to 2.5	Pass
				10	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
40				3.85	9.856	0.0057	-2.5 to 2.5	Pass	
50	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass				
1754.3	6	0	20	3.27	0.372	0.0002	-2.5 to 2.5	Pass	



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					3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
					4.43	3.676	0.0021	-2.5 to 2.5	Pass
				-30	3.85	3.934	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-5.865	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				10	3.85	2.375	0.0014	-2.5 to 2.5	Pass
				30	3.85	3.319	0.0019	-2.5 to 2.5	Pass
				40	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	3.834	0.0022	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.960	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	2.146	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.832	0.0017	-2.5 to 2.5	Pass
				30	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-1.130	-0.0007	-2.5 to 2.5	Pass
					3.85	1.144	0.0007	-2.5 to 2.5	Pass
					4.43	-0.701	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				0	3.85	-6.509	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				40	3.85	3.033	0.0018	-2.5 to 2.5	Pass
				50	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	2.160	0.0012	-2.5 to 2.5	Pass
					3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
					4.43	-5.679	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-3.734	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				10	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				50	3.85	2.546	0.0015	-2.5 to 2.5	Pass



2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	0.501	0.0003	-2.5 to 2.5	Pass
					3.85	0.587	0.0003	-2.5 to 2.5	Pass
					4.43	4.420	0.0026	-2.5 to 2.5	Pass
				-30	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
				0	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				10	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				30	3.85	2.818	0.0016	-2.5 to 2.5	Pass
				40	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-0.243	-0.0001	-2.5 to 2.5	Pass
					3.85	1.259	0.0007	-2.5 to 2.5	Pass
					4.43	-3.376	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	3.219	0.0019	-2.5 to 2.5	Pass
				-10	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				0	3.85	4.892	0.0028	-2.5 to 2.5	Pass
				10	3.85	1.945	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				50	3.85	2.131	0.0012	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-0.944	-0.0005	-2.5 to 2.5	Pass
					3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	3.490	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				30	3.85	2.861	0.0016	-2.5 to 2.5	Pass
				40	3.85	1.674	0.0010	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-2.131	-0.0012	-2.5 to 2.5	Pass
					3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.704	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-6.809	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass





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				0	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				30	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				40	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	5.393	0.0031	-2.5 to 2.5	Pass
					3.85	2.975	0.0017	-2.5 to 2.5	Pass
					4.43	2.131	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	3.405	0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				10	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				30	3.85	4.535	0.0026	-2.5 to 2.5	Pass
				40	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				50	3.85	4.563	0.0026	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-3.133	-0.0018	-2.5 to 2.5	Pass
					3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
					4.43	0.916	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-4.420	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				0	3.85	5.922	0.0034	-2.5 to 2.5	Pass
				10	3.85	4.349	0.0025	-2.5 to 2.5	Pass
				30	3.85	9.913	0.0057	-2.5 to 2.5	Pass
				40	3.85	6.394	0.0036	-2.5 to 2.5	Pass
				50	3.85	3.004	0.0017	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-6.366	-0.0037	-2.5 to 2.5	Pass
					3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
					4.43	2.317	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	3.233	0.0019	-2.5 to 2.5	Pass
				0	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
				10	3.85	19.727	0.0115	-2.5 to 2.5	Pass
				30	3.85	-1.287	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-8.798	-0.0051	-2.5 to 2.5	Pass



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16QAM	1732.5	25	0	50	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				20	3.27	2.546	0.0015	-2.5 to 2.5	Pass
					3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
					4.43	-2.818	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-7.496	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	3.104	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				0	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				50	3.85	5.221	0.0030	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-0.157	-0.0001	-2.5 to 2.5	Pass
					3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.319	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-4.406	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-7.324	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				30	3.85	9.212	0.0053	-2.5 to 2.5	Pass
				40	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
	1712.5	25	0	20	3.27	-21.143	-0.0123	-2.5 to 2.5	Pass
					3.85	-19.684	-0.0115	-2.5 to 2.5	Pass
					4.43	-14.219	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-11.272	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-16.208	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-11.530	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-12.560	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-18.353	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-22.001	-0.0128	-2.5 to 2.5	Pass
				50	3.85	-7.482	-0.0044	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-0.014	0.0000	-2.5 to 2.5	Pass
					3.85	4.034	0.0023	-2.5 to 2.5	Pass
					4.43	-2.246	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	6.223	0.0036	-2.5 to 2.5	Pass
				-20	3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
				0	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				30	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				40	3.85	2.489	0.0014	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-4.406	-0.0025	-2.5 to 2.5	Pass
					3.85	0.901	0.0005	-2.5 to 2.5	Pass





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					4.43	6.595	0.0038	-2.5 to 2.5	Pass
				-30	3.85	6.065	0.0035	-2.5 to 2.5	Pass
				-20	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				30	3.85	8.454	0.0048	-2.5 to 2.5	Pass
				40	3.85	-8.025	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-0.587	-0.0003	-2.5 to 2.5	Pass
					3.85	0.501	0.0003	-2.5 to 2.5	Pass
					4.43	-2.818	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	7.567	0.0044	-2.5 to 2.5	Pass
				-20	3.85	5.350	0.0031	-2.5 to 2.5	Pass
				-10	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.259	0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				40	3.85	2.747	0.0016	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	10.028	0.0058	-2.5 to 2.5	Pass
					3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
					4.43	12.474	0.0072	-2.5 to 2.5	Pass
				-30	3.85	18.125	0.0105	-2.5 to 2.5	Pass
				-20	3.85	6.680	0.0039	-2.5 to 2.5	Pass
				-10	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				0	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				10	3.85	5.407	0.0031	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				40	3.85	4.163	0.0024	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	10.886	0.0063	-2.5 to 2.5	Pass
					3.85	12.660	0.0072	-2.5 to 2.5	Pass
					4.43	27.924	0.0160	-2.5 to 2.5	Pass
				-30	3.85	40.455	0.0231	-2.5 to 2.5	Pass
				-20	3.85	14.362	0.0082	-2.5 to 2.5	Pass
				-10	3.85	8.426	0.0048	-2.5 to 2.5	Pass
				0	3.85	23.403	0.0134	-2.5 to 2.5	Pass



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				0	3.85	25.434	0.0145	-2.5 to 2.5	Pass
				10	3.85	19.455	0.0111	-2.5 to 2.5	Pass
				30	3.85	24.076	0.0138	-2.5 to 2.5	Pass
				40	3.85	25.878	0.0148	-2.5 to 2.5	Pass
				50	3.85	21.100	0.0121	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	0.787	0.0005	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
					4.43	3.090	0.0018	-2.5 to 2.5	Pass
				-30	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.360	0.0014	-2.5 to 2.5	Pass
				-10	3.85	3.190	0.0019	-2.5 to 2.5	Pass
				0	3.85	1.645	0.0010	-2.5 to 2.5	Pass
				10	3.85	3.848	0.0022	-2.5 to 2.5	Pass
				30	3.85	6.337	0.0037	-2.5 to 2.5	Pass
				40	3.85	3.977	0.0023	-2.5 to 2.5	Pass
				50	3.85	6.824	0.0040	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	0.014	0.0000	-2.5 to 2.5	Pass
					3.85	3.362	0.0019	-2.5 to 2.5	Pass
					4.43	3.691	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-7.725	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				10	3.85	3.948	0.0023	-2.5 to 2.5	Pass
				30	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				40	3.85	3.734	0.0022	-2.5 to 2.5	Pass
				50	3.85	1.087	0.0006	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	10.314	0.0059	-2.5 to 2.5	Pass
					3.85	11.530	0.0066	-2.5 to 2.5	Pass
					4.43	5.736	0.0033	-2.5 to 2.5	Pass
				-30	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	10.557	0.0060	-2.5 to 2.5	Pass
				-10	3.85	5.922	0.0034	-2.5 to 2.5	Pass
				0	3.85	-3.033	-0.0017	-2.5 to 2.5	Pass
				10	3.85	21.029	0.0120	-2.5 to 2.5	Pass
				30	3.85	7.038	0.0040	-2.5 to 2.5	Pass
				40	3.85	16.451	0.0094	-2.5 to 2.5	Pass
				50	3.85	4.892	0.0028	-2.5 to 2.5	Pass



2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	22.044	0.0128	-2.5 to 2.5	Pass
					3.85	0.687	0.0004	-2.5 to 2.5	Pass
					4.43	24.977	0.0145	-2.5 to 2.5	Pass
				-30	3.85	8.125	0.0047	-2.5 to 2.5	Pass
				-20	3.85	-8.125	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	41.242	0.0240	-2.5 to 2.5	Pass
				0	3.85	24.433	0.0142	-2.5 to 2.5	Pass
				10	3.85	7.925	0.0046	-2.5 to 2.5	Pass
				30	3.85	-11.001	-0.0064	-2.5 to 2.5	Pass
				40	3.85	14.234	0.0083	-2.5 to 2.5	Pass
				50	3.85	331.922	0.1933	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-2.518	-0.0015	-2.5 to 2.5	Pass
					3.85	41.442	0.0239	-2.5 to 2.5	Pass
					4.43	171.218	0.0988	-2.5 to 2.5	Pass
				-30	3.85	-141.521	-0.0817	-2.5 to 2.5	Pass
				-20	3.85	-352.535	-0.2035	-2.5 to 2.5	Pass
				-10	3.85	164.437	0.0949	-2.5 to 2.5	Pass
				0	3.85	64.731	0.0374	-2.5 to 2.5	Pass
				10	3.85	15.292	0.0088	-2.5 to 2.5	Pass
				30	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				40	3.85	16.065	0.0093	-2.5 to 2.5	Pass
				50	3.85	278.864	0.1610	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	5.779	0.0033	-2.5 to 2.5	Pass
					3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
					4.43	-7.682	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-7.911	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	12.531	0.0072	-2.5 to 2.5	Pass
				0	3.85	2.575	0.0015	-2.5 to 2.5	Pass
				10	3.85	34.375	0.0197	-2.5 to 2.5	Pass
				30	3.85	8.712	0.0050	-2.5 to 2.5	Pass
				40	3.85	23.489	0.0134	-2.5 to 2.5	Pass
				50	3.85	5.450	0.0031	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-366.597	-0.2134	-2.5 to 2.5	Pass
					3.85	513.983	0.2993	-2.5 to 2.5	Pass
					4.43	-818.796	-0.4767	-2.5 to 2.5	Pass
				-30	3.85	-502.539	-0.2926	-2.5 to 2.5	Pass





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				-20	3.85	-478.263	-0.2785	-2.5 to 2.5	Pass
				-10	3.85	-850.883	-0.4954	-2.5 to 2.5	Pass
				0	3.85	-252.557	-0.1470	-2.5 to 2.5	Pass
				10	3.85	-529.604	-0.3084	-2.5 to 2.5	Pass
				30	3.85	119.476	0.0696	-2.5 to 2.5	Pass
				40	3.85	-487.561	-0.2839	-2.5 to 2.5	Pass
				50	3.85	-766.683	-0.4464	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-784.049	-0.4526	-2.5 to 2.5	Pass
					3.85	-287.004	-0.1657	-2.5 to 2.5	Pass
					4.43	220.399	0.1272	-2.5 to 2.5	Pass
				-30	3.85	-142.264	-0.0821	-2.5 to 2.5	Pass
				-20	3.85	-343.494	-0.1983	-2.5 to 2.5	Pass
				-10	3.85	-362.577	-0.2093	-2.5 to 2.5	Pass
				0	3.85	-26.751	-0.0154	-2.5 to 2.5	Pass
				10	3.85	-24.247	-0.0140	-2.5 to 2.5	Pass
				30	3.85	-9.742	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-365.367	-0.2109	-2.5 to 2.5	Pass
				50	3.85	-19.484	-0.0112	-2.5 to 2.5	Pass
				1747.5	75	0	20	3.27	-0.315
	3.85	9.427	0.0054					-2.5 to 2.5	Pass
	4.43	10.872	0.0062					-2.5 to 2.5	Pass
	-30	3.85	5.965				0.0034	-2.5 to 2.5	Pass
	-20	3.85	15.278				0.0087	-2.5 to 2.5	Pass
	-10	3.85	-14.005				-0.0080	-2.5 to 2.5	Pass
	0	3.85	30.227				0.0173	-2.5 to 2.5	Pass
	10	3.85	2.418				0.0014	-2.5 to 2.5	Pass
	30	3.85	28.968				0.0166	-2.5 to 2.5	Pass
	40	3.85	20.714				0.0119	-2.5 to 2.5	Pass
	50	3.85	10.843	0.0062	-2.5 to 2.5	Pass			

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	7.153	0.0042	-2.5 to 2.5	Pass
					3.85	-0.072	0.0000	-2.5 to 2.5	Pass
					4.43	-5.364	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-20	3.85	9.341	0.0054	-2.5 to 2.5	Pass
				-10	3.85	4.578	0.0027	-2.5 to 2.5	Pass
				0	3.85	5.307	0.0031	-2.5 to 2.5	Pass
				10	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass



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				30	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
				50	3.85	2.317	0.0013	-2.5 to 2.5	Pass
1732.5	100	0	20	3.27	14.119	0.0081	-2.5 to 2.5	Pass	
				3.85	22.802	0.0132	-2.5 to 2.5	Pass	
				4.43	-10.099	-0.0058	-2.5 to 2.5	Pass	
			-30	3.85	22.559	0.0130	-2.5 to 2.5	Pass	
			-20	3.85	7.410	0.0043	-2.5 to 2.5	Pass	
			-10	3.85	16.394	0.0095	-2.5 to 2.5	Pass	
			0	3.85	38.981	0.0225	-2.5 to 2.5	Pass	
			10	3.85	-298.963	-0.1726	-2.5 to 2.5	Pass	
			30	3.85	-559.087	-0.3227	-2.5 to 2.5	Pass	
			40	3.85	-371.518	-0.2144	-2.5 to 2.5	Pass	
			50	3.85	-307.488	-0.1775	-2.5 to 2.5	Pass	
			20	3.27	-63.772	-0.0365	-2.5 to 2.5	Pass	
				3.85	-250.669	-0.1436	-2.5 to 2.5	Pass	
				4.43	-23.589	-0.0135	-2.5 to 2.5	Pass	
			-30	3.85	-306.473	-0.1756	-2.5 to 2.5	Pass	
1745	100	0	-20	3.85	101.023	0.0579	-2.5 to 2.5	Pass	
			-10	3.85	-167.313	-0.0959	-2.5 to 2.5	Pass	
			0	3.85	4.334	0.0025	-2.5 to 2.5	Pass	
			10	3.85	101.152	0.0580	-2.5 to 2.5	Pass	
			30	3.85	-369.086	-0.2115	-2.5 to 2.5	Pass	
			40	3.85	180.359	0.1034	-2.5 to 2.5	Pass	
			50	3.85	93.312	0.0535	-2.5 to 2.5	Pass	
16QAM	1720	100	20	3.27	18.239	0.0106	-2.5 to 2.5	Pass	
				3.85	5.393	0.0031	-2.5 to 2.5	Pass	
				4.43	8.469	0.0049	-2.5 to 2.5	Pass	
			-30	3.85	9.184	0.0053	-2.5 to 2.5	Pass	
			-20	3.85	0.372	0.0002	-2.5 to 2.5	Pass	
			-10	3.85	5.507	0.0032	-2.5 to 2.5	Pass	
			0	3.85	7.939	0.0046	-2.5 to 2.5	Pass	
			10	3.85	8.526	0.0050	-2.5 to 2.5	Pass	
			30	3.85	3.204	0.0019	-2.5 to 2.5	Pass	
			40	3.85	2.503	0.0015	-2.5 to 2.5	Pass	
			50	3.85	9.584	0.0056	-2.5 to 2.5	Pass	
	1732.5	100	20	3.27	32.372	0.0187	-2.5 to 2.5	Pass	
				3.85	-335.569	-0.1937	-2.5 to 2.5	Pass	
				4.43	-96.130	-0.0555	-2.5 to 2.5	Pass	
			-30	3.85	-185.208	-0.1069	-2.5 to 2.5	Pass	
			-20	3.85	-154.352	-0.0891	-2.5 to 2.5	Pass	
			-10	3.85	-376.868	-0.2175	-2.5 to 2.5	Pass	
			0	3.85	25.105	0.0145	-2.5 to 2.5	Pass	
			10	3.85	-12.689	-0.0073	-2.5 to 2.5	Pass	
			30	3.85	-38.595	-0.0223	-2.5 to 2.5	Pass	
			40	3.85	182.848	0.1055	-2.5 to 2.5	Pass	
			50	3.85	-30.742	-0.0177	-2.5 to 2.5	Pass	



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	1745	100	0	20	3.27	14.033	0.0080	-2.5 to 2.5	Pass
					3.85	-21.544	-0.0123	-2.5 to 2.5	Pass
					4.43	-346.756	-0.1987	-2.5 to 2.5	Pass
				-30	3.85	-25.649	-0.0147	-2.5 to 2.5	Pass
				-20	3.85	30.098	0.0172	-2.5 to 2.5	Pass
				-10	3.85	-253.158	-0.1451	-2.5 to 2.5	Pass
				0	3.85	40.340	0.0231	-2.5 to 2.5	Pass
				10	3.85	-204.706	-0.1173	-2.5 to 2.5	Pass
				30	3.85	-141.792	-0.0813	-2.5 to 2.5	Pass
				40	3.85	-158.601	-0.0909	-2.5 to 2.5	Pass
				50	3.85	-27.566	-0.0158	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 B66_1.4MHz

3.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-2.618	-0.0015	-2.5 to 2.5	Pass
					3.85	0.243	0.0001	-2.5 to 2.5	Pass
					4.43	-2.646	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
				0	3.85	2.832	0.0017	-2.5 to 2.5	Pass
				10	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				50	3.85	0.844	0.0005	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	-1.473	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.200	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				-10	3.85	4.148	0.0024	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				30	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-0.772	-0.0004	-2.5 to 2.5	Pass





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16QAM	1710.7	6	0		3.85	3.533	0.0020	-2.5 to 2.5	Pass
					4.43	9.341	0.0052	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-5.665	-0.0032	-2.5 to 2.5	Pass
				0	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.303	0.0013	-2.5 to 2.5	Pass
				30	3.85	9.370	0.0053	-2.5 to 2.5	Pass
				40	3.85	-1.831	-0.0010	-2.5 to 2.5	Pass
				50	3.85	4.177	0.0023	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	-1.888	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
					4.43	0.129	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	4.621	0.0027	-2.5 to 2.5	Pass
				-10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				0	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				30	3.85	5.007	0.0029	-2.5 to 2.5	Pass
				40	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				50	3.85	4.206	0.0025	-2.5 to 2.5	Pass
				20	3.27	-0.243	-0.0001	-2.5 to 2.5	Pass
					3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
					4.43	-4.134	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				50	3.85	4.435	0.0025	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-1.616	-0.0009	-2.5 to 2.5	Pass
					3.85	3.934	0.0022	-2.5 to 2.5	Pass
					4.43	-1.373	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-4.549	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.078	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	4.606	0.0026	-2.5 to 2.5	Pass
				0	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				10	3.85	3.591	0.0020	-2.5 to 2.5	Pass
				30	3.85	4.606	0.0026	-2.5 to 2.5	Pass
				40	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				50	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass



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3.2 B66_3MHz

3.2.1 Test Result

Band: 66 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-2.704	-0.0016	-2.5 to 2.5	Pass
					3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
					4.43	2.875	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.287	0.0008	-2.5 to 2.5	Pass
				0	3.85	2.317	0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				30	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				50	3.85	3.533	0.0021	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
					4.43	0.944	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.136	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				50	3.85	2.103	0.0012	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	9.999	0.0056	-2.5 to 2.5	Pass
					3.85	1.717	0.0010	-2.5 to 2.5	Pass
					4.43	-1.030	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				10	3.85	4.749	0.0027	-2.5 to 2.5	Pass
				30	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-4.377	-0.0026	-2.5 to 2.5	Pass
					3.85	1.130	0.0007	-2.5 to 2.5	Pass
					4.43	-1.044	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	4.578	0.0027	-2.5 to 2.5	Pass
				-10	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass





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				0	3.85	6.237	0.0036	-2.5 to 2.5	Pass
				10	3.85	3.061	0.0018	-2.5 to 2.5	Pass
				30	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
				50	3.85	1.016	0.0006	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	0.043	0.0000	-2.5 to 2.5	Pass
					3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.905	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-7.324	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
				50	3.85	1.531	0.0009	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	6.051	0.0034	-2.5 to 2.5	Pass
					3.85	0.129	0.0001	-2.5 to 2.5	Pass
					4.43	6.108	0.0034	-2.5 to 2.5	Pass
				-30	3.85	5.922	0.0033	-2.5 to 2.5	Pass
				-20	3.85	-5.579	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	2.303	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				10	3.85	2.203	0.0012	-2.5 to 2.5	Pass
				30	3.85	4.292	0.0024	-2.5 to 2.5	Pass
				40	3.85	5.937	0.0033	-2.5 to 2.5	Pass
				50	3.85	-8.540	-0.0048	-2.5 to 2.5	Pass

3.3 B66_5MHz

3.3.1 Test Result

Band: 66 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-55.518	-0.0324	-2.5 to 2.5	Pass
					3.85	-492.296	-0.2875	-2.5 to 2.5	Pass
					4.43	30.241	0.0177	-2.5 to 2.5	Pass
				-30	3.85	307.975	0.1798	-2.5 to 2.5	Pass
				-20	3.85	-1197.453	-0.6992	-2.5 to 2.5	Pass
				-10	3.85	-174.036	-0.1016	-2.5 to 2.5	Pass
				0	3.85	-35.448	-0.0207	-2.5 to 2.5	Pass
				10	3.85	-399.785	-0.2335	-2.5 to 2.5	Pass
				30	3.85	-974.064	-0.5688	-2.5 to 2.5	Pass
				40	3.85	-641.027	-0.3743	-2.5 to 2.5	Pass



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16QAM	1745	25	0	50	3.85	32.415	0.0189	-2.5 to 2.5	Pass
				20	3.27	2.518	0.0014	-2.5 to 2.5	Pass
					3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
					4.43	-3.247	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-5.836	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-4.792	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	2.131	0.0012	-2.5 to 2.5	Pass
					3.85	15.807	0.0089	-2.5 to 2.5	Pass
					4.43	30.427	0.0171	-2.5 to 2.5	Pass
				-30	3.85	26.908	0.0151	-2.5 to 2.5	Pass
				-20	3.85	31.357	0.0176	-2.5 to 2.5	Pass
				-10	3.85	13.919	0.0078	-2.5 to 2.5	Pass
				0	3.85	26.708	0.0150	-2.5 to 2.5	Pass
				10	3.85	22.917	0.0129	-2.5 to 2.5	Pass
				30	3.85	16.265	0.0092	-2.5 to 2.5	Pass
				40	3.85	21.114	0.0119	-2.5 to 2.5	Pass
				50	3.85	25.020	0.0141	-2.5 to 2.5	Pass
	1712.5	25	0	20	3.27	-17.953	-0.0105	-2.5 to 2.5	Pass
					3.85	-11.101	-0.0065	-2.5 to 2.5	Pass
					4.43	-951.419	-0.5556	-2.5 to 2.5	Pass
				-30	3.85	246.120	0.1437	-2.5 to 2.5	Pass
				-20	3.85	-592.346	-0.3459	-2.5 to 2.5	Pass
				-10	3.85	71.025	0.0415	-2.5 to 2.5	Pass
				0	3.85	276.718	0.1616	-2.5 to 2.5	Pass
				10	3.85	-276.375	-0.1614	-2.5 to 2.5	Pass
				30	3.85	-66.562	-0.0389	-2.5 to 2.5	Pass
				40	3.85	-671.039	-0.3918	-2.5 to 2.5	Pass
				50	3.85	-419.655	-0.2451	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	1.402	0.0008	-2.5 to 2.5	Pass
					3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.215	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				0	3.85	2.346	0.0013	-2.5 to 2.5	Pass
				10	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				30	3.85	3.462	0.0020	-2.5 to 2.5	Pass
				40	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	2.875	0.0016	-2.5 to 2.5	Pass
					3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
					3.85	13.289	0.0075	-2.5 to 2.5	Pass





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					4.43	9.699	0.0055	-2.5 to 2.5	Pass
				-30	3.85	11.444	0.0064	-2.5 to 2.5	Pass
				-20	3.85	20.013	0.0113	-2.5 to 2.5	Pass
				-10	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				0	3.85	12.918	0.0073	-2.5 to 2.5	Pass
				10	3.85	11.973	0.0067	-2.5 to 2.5	Pass
				30	3.85	16.165	0.0091	-2.5 to 2.5	Pass
				40	3.85	21.501	0.0121	-2.5 to 2.5	Pass
				50	3.85	12.259	0.0069	-2.5 to 2.5	Pass

3.4 B66_10MHz

3.4.1 Test Result

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	3.219	0.0019	-2.5 to 2.5	Pass
					3.85	2.060	0.0012	-2.5 to 2.5	Pass
					4.43	3.276	0.0019	-2.5 to 2.5	Pass
				-30	3.85	5.651	0.0033	-2.5 to 2.5	Pass
				-20	3.85	-7.324	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				10	3.85	10.357	0.0060	-2.5 to 2.5	Pass
				30	3.85	9.642	0.0056	-2.5 to 2.5	Pass
				40	3.85	2.618	0.0015	-2.5 to 2.5	Pass
	1745	50	0	50	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				20	3.27	0.873	0.0005	-2.5 to 2.5	Pass
					3.85	9.170	0.0053	-2.5 to 2.5	Pass
					4.43	2.074	0.0012	-2.5 to 2.5	Pass
				-30	3.85	4.749	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				0	3.85	4.063	0.0023	-2.5 to 2.5	Pass
				10	3.85	12.846	0.0074	-2.5 to 2.5	Pass
				30	3.85	7.224	0.0041	-2.5 to 2.5	Pass
	1775	50	0	40	3.85	7.896	0.0045	-2.5 to 2.5	Pass
				50	3.85	15.163	0.0087	-2.5 to 2.5	Pass
				20	3.27	2.160	0.0012	-2.5 to 2.5	Pass
					3.85	19.827	0.0112	-2.5 to 2.5	Pass
					4.43	1.388	0.0008	-2.5 to 2.5	Pass
				-30	3.85	261.612	0.1474	-2.5 to 2.5	Pass
				-20	3.85	23.203	0.0131	-2.5 to 2.5	Pass
				-10	3.85	234.804	0.1323	-2.5 to 2.5	Pass



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				0	3.85	198.283	0.1117	-2.5 to 2.5	Pass
				10	3.85	-393.205	-0.2215	-2.5 to 2.5	Pass
				30	3.85	84.214	0.0474	-2.5 to 2.5	Pass
				40	3.85	195.308	0.1100	-2.5 to 2.5	Pass
				50	3.85	-927.615	-0.5226	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	6.094	0.0036	-2.5 to 2.5	Pass
					3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
					4.43	-0.587	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	4.778	0.0028	-2.5 to 2.5	Pass
				-20	3.85	3.333	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				0	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				10	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				30	3.85	5.722	0.0033	-2.5 to 2.5	Pass
				40	3.85	8.197	0.0048	-2.5 to 2.5	Pass
				50	3.85	2.632	0.0015	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	-11.659	-0.0067	-2.5 to 2.5	Pass
					3.85	5.507	0.0032	-2.5 to 2.5	Pass
					4.43	-13.218	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	5.465	0.0031	-2.5 to 2.5	Pass
				-20	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-6.480	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				30	3.85	4.878	0.0028	-2.5 to 2.5	Pass
				40	3.85	-6.995	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	17.910	0.0101	-2.5 to 2.5	Pass
					3.85	93.584	0.0527	-2.5 to 2.5	Pass
					4.43	205.722	0.1159	-2.5 to 2.5	Pass
				-30	3.85	-73.142	-0.0412	-2.5 to 2.5	Pass
				-20	3.85	-13.618	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-35.477	-0.0200	-2.5 to 2.5	Pass
				0	3.85	473.828	0.2669	-2.5 to 2.5	Pass
				10	3.85	-634.575	-0.3575	-2.5 to 2.5	Pass
				30	3.85	-607.309	-0.3421	-2.5 to 2.5	Pass
				40	3.85	-180.502	-0.1017	-2.5 to 2.5	Pass
				50	3.85	302.739	0.1706	-2.5 to 2.5	Pass





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3.5 B66_15MHz

3.5.1 Test Result

Band: 66 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	5.136	0.0030	-2.5 to 2.5	Pass
					3.85	-12.245	-0.0071	-2.5 to 2.5	Pass
					4.43	2.389	0.0014	-2.5 to 2.5	Pass
				-30	3.85	16.737	0.0097	-2.5 to 2.5	Pass
				-20	3.85	61.541	0.0358	-2.5 to 2.5	Pass
				-10	3.85	-2.675	-0.0016	-2.5 to 2.5	Pass
				0	3.85	26.321	0.0153	-2.5 to 2.5	Pass
				10	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-29.883	-0.0174	-2.5 to 2.5	Pass
				40	3.85	2.675	0.0016	-2.5 to 2.5	Pass
	50	3.85	16.923	0.0099	-2.5 to 2.5	Pass			
	1745	75	0	20	3.27	379.114	0.2173	-2.5 to 2.5	Pass
					3.85	-192.661	-0.1104	-2.5 to 2.5	Pass
					4.43	-174.723	-0.1001	-2.5 to 2.5	Pass
				-30	3.85	-508.447	-0.2914	-2.5 to 2.5	Pass
				-20	3.85	-317.946	-0.1822	-2.5 to 2.5	Pass
				-10	3.85	-728.574	-0.4175	-2.5 to 2.5	Pass
				0	3.85	-125.570	-0.0720	-2.5 to 2.5	Pass
				10	3.85	-434.146	-0.2488	-2.5 to 2.5	Pass
				30	3.85	-697.389	-0.3996	-2.5 to 2.5	Pass
				40	3.85	224.104	0.1284	-2.5 to 2.5	Pass
	50	3.85	-660.095	-0.3783	-2.5 to 2.5	Pass			
	1772.5	75	0	20	3.27	9.184	0.0052	-2.5 to 2.5	Pass
					3.85	2.017	0.0011	-2.5 to 2.5	Pass
					4.43	6.852	0.0039	-2.5 to 2.5	Pass
				-30	3.85	3.204	0.0018	-2.5 to 2.5	Pass
				-20	3.85	15.492	0.0087	-2.5 to 2.5	Pass
				-10	3.85	21.486	0.0121	-2.5 to 2.5	Pass
				0	3.85	21.687	0.0122	-2.5 to 2.5	Pass
				10	3.85	3.548	0.0020	-2.5 to 2.5	Pass
30				3.85	-12.832	-0.0072	-2.5 to 2.5	Pass	
40				3.85	18.296	0.0103	-2.5 to 2.5	Pass	
50	3.85	-11.644	-0.0066	-2.5 to 2.5	Pass				
16QAM	1717.5	75	0	20	3.27	65.489	0.0381	-2.5 to 2.5	Pass
					3.85	73.042	0.0425	-2.5 to 2.5	Pass
					4.43	188.727	0.1099	-2.5 to 2.5	Pass
				-30	3.85	77.162	0.0449	-2.5 to 2.5	Pass



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				-20	3.85	40.040	0.0233	-2.5 to 2.5	Pass
				-10	3.85	36.592	0.0213	-2.5 to 2.5	Pass
				0	3.85	8.225	0.0048	-2.5 to 2.5	Pass
				10	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				30	3.85	32.988	0.0192	-2.5 to 2.5	Pass
				40	3.85	30.541	0.0178	-2.5 to 2.5	Pass
				50	3.85	282.955	0.1647	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	-72.312	-0.0414	-2.5 to 2.5	Pass
					3.85	-308.147	-0.1766	-2.5 to 2.5	Pass
					4.43	-30.112	-0.0173	-2.5 to 2.5	Pass
				-30	3.85	-492.868	-0.2824	-2.5 to 2.5	Pass
				-20	3.85	-127.559	-0.0731	-2.5 to 2.5	Pass
				-10	3.85	-373.693	-0.2142	-2.5 to 2.5	Pass
				0	3.85	-307.517	-0.1762	-2.5 to 2.5	Pass
				10	3.85	-573.664	-0.3287	-2.5 to 2.5	Pass
				30	3.85	255.847	0.1466	-2.5 to 2.5	Pass
				40	3.85	-446.777	-0.2560	-2.5 to 2.5	Pass
				50	3.85	-199.857	-0.1145	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	-30.613	-0.0173	-2.5 to 2.5	Pass
					3.85	-11.201	-0.0063	-2.5 to 2.5	Pass
					4.43	-20.127	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	12.774	0.0072	-2.5 to 2.5	Pass
				-20	3.85	-38.080	-0.0215	-2.5 to 2.5	Pass
				-10	3.85	-3.734	-0.0021	-2.5 to 2.5	Pass
				0	3.85	25.392	0.0143	-2.5 to 2.5	Pass
				10	3.85	8.197	0.0046	-2.5 to 2.5	Pass
				30	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-34.046	-0.0192	-2.5 to 2.5	Pass
				50	3.85	2.561	0.0014	-2.5 to 2.5	Pass

3.6 B66_20MHz

3.6.1 Test Result

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	5.021	0.0029	-2.5 to 2.5	Pass
					3.85	4.320	0.0025	-2.5 to 2.5	Pass
					4.43	-2.875	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	6.409	0.0037	-2.5 to 2.5	Pass
				-20	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				0	3.85	3.834	0.0022	-2.5 to 2.5	Pass
				10	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass



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16QAM	1745	100	0	30	3.85	8.955	0.0052	-2.5 to 2.5	Pass
				40	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				50	3.85	4.420	0.0026	-2.5 to 2.5	Pass
				20	3.27	-706.844	-0.4051	-2.5 to 2.5	Pass
					3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
					4.43	103.598	0.0594	-2.5 to 2.5	Pass
				-30	3.85	569.816	0.3265	-2.5 to 2.5	Pass
				-20	3.85	-706.573	-0.4049	-2.5 to 2.5	Pass
				-10	3.85	908.418	0.5206	-2.5 to 2.5	Pass
				0	3.85	-516.529	-0.2960	-2.5 to 2.5	Pass
				10	3.85	1359.701	0.7792	-2.5 to 2.5	Pass
				30	3.85	10.629	0.0061	-2.5 to 2.5	Pass
				40	3.85	-50.125	-0.0287	-2.5 to 2.5	Pass
				50	3.85	-497.017	-0.2848	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	12.903	0.0073	-2.5 to 2.5	Pass
					3.85	-15.793	-0.0089	-2.5 to 2.5	Pass
					4.43	23.961	0.0135	-2.5 to 2.5	Pass
				-30	3.85	-4.478	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-18.153	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	3.948	0.0022	-2.5 to 2.5	Pass
				0	3.85	4.435	0.0025	-2.5 to 2.5	Pass
				10	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				30	3.85	-8.254	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-38.280	-0.0216	-2.5 to 2.5	Pass
	1720	100	0	20	3.27	2.375	0.0014	-2.5 to 2.5	Pass
					3.85	9.298	0.0054	-2.5 to 2.5	Pass
					4.43	9.570	0.0056	-2.5 to 2.5	Pass
				-30	3.85	19.698	0.0115	-2.5 to 2.5	Pass
				-20	3.85	1.302	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				0	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				10	3.85	5.822	0.0034	-2.5 to 2.5	Pass
				30	3.85	8.783	0.0051	-2.5 to 2.5	Pass
				40	3.85	13.390	0.0078	-2.5 to 2.5	Pass
				50	3.85	0.887	0.0005	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-404.449	-0.2318	-2.5 to 2.5	Pass
					3.85	395.680	0.2268	-2.5 to 2.5	Pass
					4.43	789.285	0.4523	-2.5 to 2.5	Pass
				-30	3.85	321.579	0.1843	-2.5 to 2.5	Pass
				-20	3.85	556.898	0.3191	-2.5 to 2.5	Pass
				-10	3.85	-714.068	-0.4092	-2.5 to 2.5	Pass
				0	3.85	-936.713	-0.5368	-2.5 to 2.5	Pass
				10	3.85	84.386	0.0484	-2.5 to 2.5	Pass
				30	3.85	-1228.495	-0.7040	-2.5 to 2.5	Pass
				40	3.85	-1018.038	-0.5834	-2.5 to 2.5	Pass
				50	3.85	-104.914	-0.0601	-2.5 to 2.5	Pass





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	1770	100	0	20	3.27	-0.987	-0.0006	-2.5 to 2.5	Pass
					3.85	-267.677	-0.1512	-2.5 to 2.5	Pass
					4.43	502.052	0.2836	-2.5 to 2.5	Pass
				-30	3.85	257.149	0.1453	-2.5 to 2.5	Pass
				-20	3.85	-571.919	-0.3231	-2.5 to 2.5	Pass
				-10	3.85	196.338	0.1109	-2.5 to 2.5	Pass
				0	3.85	-76.461	-0.0432	-2.5 to 2.5	Pass
				10	3.85	9.713	0.0055	-2.5 to 2.5	Pass
				30	3.85	-70.324	-0.0397	-2.5 to 2.5	Pass
				40	3.85	-332.322	-0.1878	-2.5 to 2.5	Pass
				50	3.85	274.630	0.1552	-2.5 to 2.5	Pass



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