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	-12.535	-0.0068	-2.5 to 2.5	Pass
					3.85	-11.225	-0.0061	-2.5 to 2.5	Pass
					4.43	-8.285	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-7.663	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-6.242	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-4.980	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-4.562	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-5.001	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.550	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-3.394	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-3.085	-0.0017	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	-10.600	-0.0056	-2.5 to 2.5	Pass
					3.85	-9.744	-0.0052	-2.5 to 2.5	Pass
					4.43	-7.813	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-6.440	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-5.267	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-4.815	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-2.718	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.841	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.447	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.452	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.940	-0.0005	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	7.129	0.0037	-2.5 to 2.5	Pass
					3.85	7.554	0.0040	-2.5 to 2.5	Pass
					4.43	9.745	0.0051	-2.5 to 2.5	Pass
				-30	3.85	12.957	0.0068	-2.5 to 2.5	Pass
				-20	3.85	15.664	0.0082	-2.5 to 2.5	Pass
				-10	3.85	14.754	0.0077	-2.5 to 2.5	Pass
				0	3.85	14.933	0.0078	-2.5 to 2.5	Pass
				10	3.85	13.031	0.0068	-2.5 to 2.5	Pass
				30	3.85	11.952	0.0063	-2.5 to 2.5	Pass
				40	3.85	9.324	0.0049	-2.5 to 2.5	Pass
				50	3.85	6.610	0.0035	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	-1.905	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.369	-0.0007	-2.5 to 2.5	Pass
					4.43	-2.444	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.034	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.491	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.878	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.510	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.738	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.090	0.0000	-2.5 to 2.5	Pass
				40	3.85	-1.730	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.666	-0.0009	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	-1.317	-0.0007	-2.5 to 2.5	Pass
					3.85	-2.385	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.619	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.115	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.052	0.0000	-2.5 to 2.5	Pass

				-10	3.85	-1.779	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.326	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.055	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.717	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.194	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.048	0.0000	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	6.259	0.0033	-2.5 to 2.5	Pass
					3.85	4.559	0.0024	-2.5 to 2.5	Pass
					4.43	2.782	0.0015	-2.5 to 2.5	Pass
				-30	3.85	1.512	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.571	0.0008	-2.5 to 2.5	Pass
				-10	3.85	1.429	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.348	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.196	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.995	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.718	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.696	-0.0004	-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	0.191	0.0001	-2.5 to 2.5	Pass
					3.85	1.911	0.0010	-2.5 to 2.5	Pass
					4.43	1.831	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.634	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.714	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.106	0.0001	-2.5 to 2.5	Pass
				0	3.85	1.098	0.0006	-2.5 to 2.5	Pass
				10	3.85	1.026	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.389	0.0002	-2.5 to 2.5	Pass
				40	3.85	2.220	0.0012	-2.5 to 2.5	Pass
				50	3.85	1.018	0.0005	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-1.395	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.584	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.823	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.761	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.255	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.573	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.171	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.990	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.974	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.111	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	2.671	0.0014	-2.5 to 2.5	Pass
					3.85	3.088	0.0016	-2.5 to 2.5	Pass
					4.43	2.292	0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.477	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.961	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.677	0.0004	-2.5 to 2.5	Pass
				0	3.85	2.445	0.0013	-2.5 to 2.5	Pass
				10	3.85	0.817	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.487	0.0003	-2.5 to 2.5	Pass
				40	3.85	2.384	0.0012	-2.5 to 2.5	Pass
				50	3.85	0.360	0.0002	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.27	0.651	0.0004	-2.5 to 2.5	Pass
					3.85	0.706	0.0004	-2.5 to 2.5	Pass
					4.43	0.188	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.462	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.443	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.524	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.940	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.626	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.624	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.397	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.577	-0.0003	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-1.178	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.728	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.315	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-2.051	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.344	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.302	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass

				10	3.85	-0.419	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.132	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.242	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.290	-0.0002	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	0.795	0.0004	-2.5 to 2.5	Pass
					3.85	1.106	0.0006	-2.5 to 2.5	Pass
					4.43	2.606	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.890	0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.868	0.0020	-2.5 to 2.5	Pass
				-10	3.85	2.193	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.760	0.0014	-2.5 to 2.5	Pass
				10	3.85	3.055	0.0016	-2.5 to 2.5	Pass
				30	3.85	2.468	0.0013	-2.5 to 2.5	Pass
				40	3.85	2.639	0.0014	-2.5 to 2.5	Pass
				50	3.85	2.832	0.0015	-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	0.807	0.0004	-2.5 to 2.5	Pass
					3.85	1.471	0.0008	-2.5 to 2.5	Pass
					4.43	3.286	0.0018	-2.5 to 2.5	Pass
				-30	3.85	0.706	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.077	0.0000	-2.5 to 2.5	Pass
				-10	3.85	1.572	0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.153	-0.0001	-2.5 to 2.5	Pass
				10	3.85	1.953	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.720	0.0009	-2.5 to 2.5	Pass
				40	3.85	1.017	0.0005	-2.5 to 2.5	Pass
				50	3.85	1.340	0.0007	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	-0.816	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.584	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.201	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.770	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.220	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.485	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.807	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.866	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.185	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.322	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.051	0.0000	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	1.578	0.0008	-2.5 to 2.5	Pass
					3.85	2.063	0.0011	-2.5 to 2.5	Pass
					4.43	0.757	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.810	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.066	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.789	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.439	0.0002	-2.5 to 2.5	Pass
				10	3.85	2.811	0.0015	-2.5 to 2.5	Pass
				30	3.85	1.086	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.170	0.0011	-2.5 to 2.5	Pass
				50	3.85	1.737	0.0009	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	0.243	0.0001	-2.5 to 2.5	Pass
					3.85	0.261	0.0001	-2.5 to 2.5	Pass
					4.43	1.613	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.290	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.418	0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.290	0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.747	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.464	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.297	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.375	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.256	-0.0001	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	-1.927	-0.0010	-2.5 to 2.5	Pass
					3.85	0.039	0.0000	-2.5 to 2.5	Pass
					4.43	-1.439	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.894	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-2.253	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.723	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass

				10	3.85	-1.380	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.735	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.559	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	2.784	0.0015	-2.5 to 2.5	Pass
					3.85	0.367	0.0002	-2.5 to 2.5	Pass
					4.43	1.067	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.576	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.003	0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.919	0.0015	-2.5 to 2.5	Pass
				0	3.85	1.895	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.616	0.0003	-2.5 to 2.5	Pass
				30	3.85	2.541	0.0013	-2.5 to 2.5	Pass
				40	3.85	1.893	0.0010	-2.5 to 2.5	Pass
				50	3.85	2.694	0.0014	-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	-3.782	-0.0020	-2.5 to 2.5	Pass
					3.85	-0.664	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.660	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.043	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.844	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.299	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.521	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.780	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.857	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.788	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-2.502	-0.0013	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	-2.808	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.279	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.252	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.605	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.289	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.363	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-2.343	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.457	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-3.129	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-1.504	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-3.721	-0.0020	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	2.160	0.0011	-2.5 to 2.5	Pass
					3.85	2.585	0.0014	-2.5 to 2.5	Pass
					4.43	1.526	0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.558	0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.090	0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.567	0.0013	-2.5 to 2.5	Pass
				0	3.85	2.107	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.856	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.977	0.0010	-2.5 to 2.5	Pass
				40	3.85	2.853	0.0015	-2.5 to 2.5	Pass
				50	3.85	0.897	0.0005	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	-0.504	-0.0003	-2.5 to 2.5	Pass
					3.85	-2.848	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.322	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.655	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.369	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.926	-0.0016	-2.5 to 2.5	Pass
				0	3.85	0.010	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.113	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-2.066	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.546	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.504	-0.0003	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	-1.741	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.464	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.674	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-2.319	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.400	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.161	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-2.443	-0.0013	-2.5 to 2.5	Pass

				10	3.85	-1.536	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.089	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.604	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.971	-0.0010	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	2.435	0.0013	-2.5 to 2.5	Pass
					3.85	2.102	0.0011	-2.5 to 2.5	Pass
					4.43	2.016	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.860	0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.317	0.0012	-2.5 to 2.5	Pass
				-10	3.85	2.705	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.481	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.229	0.0006	-2.5 to 2.5	Pass
				30	3.85	2.399	0.0013	-2.5 to 2.5	Pass
				40	3.85	2.059	0.0011	-2.5 to 2.5	Pass
				50	3.85	1.878	0.0010	-2.5 to 2.5	Pass

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	-3.343	-0.0018	-2.5 to 2.5	Pass
					3.85	-1.467	-0.0008	-2.5 to 2.5	Pass
					4.43	-2.476	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.421	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.085	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.276	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-2.355	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.019	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.663	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.357	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.600	-0.0009	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	-2.291	-0.0012	-2.5 to 2.5	Pass
					3.85	-2.274	-0.0012	-2.5 to 2.5	Pass
					4.43	-2.117	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.092	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.936	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.848	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-2.954	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-1.190	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.968	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.538	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.508	-0.0013	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	-2.490	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.732	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.768	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.898	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.443	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.893	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-2.511	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.838	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.127	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.795	-0.0009	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.27	-1.866	-0.0010	-2.5 to 2.5	Pass
					3.85	-2.098	-0.0011	-2.5 to 2.5	Pass
					4.43	-3.080	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.191	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.939	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.909	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.848	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.755	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.642	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.310	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.924	-0.0010	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	-2.133	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.151	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-2.602	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.156	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.527	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.094	-0.0011	-2.5 to 2.5	Pass

				10	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-3.304	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-2.656	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.319	-0.0007	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	-1.317	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.706	-0.0004	-2.5 to 2.5	Pass
					4.43	-2.251	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.451	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.880	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.315	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.376	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.291	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.722	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.018	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-2.560	-0.0013	-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	2.357	0.0013	-2.5 to 2.5	Pass
					3.85	2.955	0.0016	-2.5 to 2.5	Pass
					4.43	0.757	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.045	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.773	0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.838	0.0015	-2.5 to 2.5	Pass
				0	3.85	1.947	0.0010	-2.5 to 2.5	Pass
				10	3.85	2.039	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.865	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.893	0.0010	-2.5 to 2.5	Pass
				50	3.85	2.052	0.0011	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	-1.442	-0.0008	-2.5 to 2.5	Pass
					3.85	-2.524	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.567	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-2.385	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.098	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.085	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.343	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.744	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.264	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.536	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.407	-0.0013	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	-1.925	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.699	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.051	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.019	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.245	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.741	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.359	-0.0012	-2.5 to 2.5	Pass
				30	3.85	0.013	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.746	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.938	-0.0010	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.27	2.006	0.0011	-2.5 to 2.5	Pass
					3.85	0.475	0.0003	-2.5 to 2.5	Pass
					4.43	1.637	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.187	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.010	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.426	0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.152	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.599	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.790	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.838	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.385	-0.0002	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	-2.299	-0.0012	-2.5 to 2.5	Pass
					3.85	-3.108	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.437	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.903	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.520	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.704	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-3.581	-0.0019	-2.5 to 2.5	Pass

				10	3.85	-1.816	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.838	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.095	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-2.162	-0.0012	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	-0.792	-0.0004	-2.5 to 2.5	Pass
					3.85	-2.727	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.534	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.338	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.016	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.278	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.145	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.670	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.960	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.053	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.080	-0.0006	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B38_5MHz

2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.27	3.803	0.0015	-2.5 to 2.5	Pass
					3.85	-1.777	-0.0007	-2.5 to 2.5	Pass
					4.43	2.664	0.0010	-2.5 to 2.5	Pass
				-30	3.85	2.418	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.725	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.952	0.0004	-2.5 to 2.5	Pass
				0	3.85	2.133	0.0008	-2.5 to 2.5	Pass
				10	3.85	2.046	0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.838	-0.0007	-2.5 to 2.5	Pass
				40	3.85	1.407	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.760	0.0011	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	5.360	0.0021	-2.5 to 2.5	Pass
					3.85	0.307	0.0001	-2.5 to 2.5	Pass
					4.43	5.753	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-0.530	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.139	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.204	-0.0008	-2.5 to 2.5	Pass
				0	3.85	5.642	0.0022	-2.5 to 2.5	Pass
				10	3.85	-0.405	-0.0002	-2.5 to 2.5	Pass
				30	3.85	4.077	0.0016	-2.5 to 2.5	Pass
				40	3.85	3.233	0.0012	-2.5 to 2.5	Pass
				50	3.85	2.620	0.0010	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	0.558	0.0002	-2.5 to 2.5	Pass
					3.85	-2.154	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.037	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-4.419	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.393	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-3.910	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.602	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.223	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.859	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-3.197	-0.0012	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.27	0.740	0.0003	-2.5 to 2.5	Pass
					3.85	2.935	0.0011	-2.5 to 2.5	Pass
					4.43	3.982	0.0015	-2.5 to 2.5	Pass
				-30	3.85	2.331	0.0009	-2.5 to 2.5	Pass
				-20	3.85	5.187	0.0020	-2.5 to 2.5	Pass
				-10	3.85	2.575	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.867	0.0003	-2.5 to 2.5	Pass
				10	3.85	3.694	0.0014	-2.5 to 2.5	Pass
				30	3.85	-1.829	-0.0007	-2.5 to 2.5	Pass
				40	3.85	2.177	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.055	0.0000	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	0.585	0.0002	-2.5 to 2.5	Pass
					3.85	0.662	0.0003	-2.5 to 2.5	Pass
					4.43	-1.535	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.270	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.667	0.0006	-2.5 to 2.5	Pass

				-10	3.85	5.891	0.0023	-2.5 to 2.5	Pass
				0	3.85	2.643	0.0010	-2.5 to 2.5	Pass
				10	3.85	2.835	0.0011	-2.5 to 2.5	Pass
				30	3.85	0.444	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.384	-0.0005	-2.5 to 2.5	Pass
				50	3.85	3.279	0.0013	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	-2.419	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.592	-0.0002	-2.5 to 2.5	Pass
					4.43	3.156	0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.816	0.0011	-2.5 to 2.5	Pass
				-20	3.85	0.300	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.358	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.632	-0.0006	-2.5 to 2.5	Pass
				10	3.85	1.979	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.465	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.486	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-2.153	-0.0008	-2.5 to 2.5	Pass

2.2 B38_10MHz

2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	3.27	1.329	0.0005	-2.5 to 2.5	Pass
					3.85	4.041	0.0016	-2.5 to 2.5	Pass
					4.43	1.454	0.0006	-2.5 to 2.5	Pass
				-30	3.85	2.830	0.0011	-2.5 to 2.5	Pass
				-20	3.85	4.574	0.0018	-2.5 to 2.5	Pass
				-10	3.85	7.463	0.0029	-2.5 to 2.5	Pass
				0	3.85	4.243	0.0016	-2.5 to 2.5	Pass
				10	3.85	3.115	0.0012	-2.5 to 2.5	Pass
				30	3.85	9.570	0.0037	-2.5 to 2.5	Pass
				40	3.85	8.266	0.0032	-2.5 to 2.5	Pass
				50	3.85	6.538	0.0025	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-1.587	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.948	-0.0004	-2.5 to 2.5	Pass
					4.43	7.143	0.0028	-2.5 to 2.5	Pass
				-30	3.85	-2.504	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	2.257	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.899	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.309	-0.0001	-2.5 to 2.5	Pass
				10	3.85	1.915	0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.482	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.782	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.308	0.0001	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	8.128	0.0031	-2.5 to 2.5	Pass
					3.85	7.531	0.0029	-2.5 to 2.5	Pass
					4.43	7.651	0.0029	-2.5 to 2.5	Pass
				-30	3.85	2.344	0.0009	-2.5 to 2.5	Pass
				-20	3.85	5.034	0.0019	-2.5 to 2.5	Pass
				-10	3.85	3.729	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.764	0.0011	-2.5 to 2.5	Pass
				10	3.85	7.971	0.0030	-2.5 to 2.5	Pass
				30	3.85	3.017	0.0012	-2.5 to 2.5	Pass
				40	3.85	8.298	0.0032	-2.5 to 2.5	Pass
				50	3.85	5.281	0.0020	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.27	2.246	0.0009	-2.5 to 2.5	Pass
					3.85	0.379	0.0001	-2.5 to 2.5	Pass
					4.43	4.583	0.0018	-2.5 to 2.5	Pass
				-30	3.85	9.318	0.0036	-2.5 to 2.5	Pass
				-20	3.85	6.584	0.0026	-2.5 to 2.5	Pass
				-10	3.85	2.736	0.0011	-2.5 to 2.5	Pass
				0	3.85	8.154	0.0032	-2.5 to 2.5	Pass
				10	3.85	7.479	0.0029	-2.5 to 2.5	Pass
				30	3.85	2.766	0.0011	-2.5 to 2.5	Pass
				40	3.85	7.551	0.0029	-2.5 to 2.5	Pass
				50	3.85	1.279	0.0005	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	0.369	0.0001	-2.5 to 2.5	Pass
					3.85	2.584	0.0010	-2.5 to 2.5	Pass
					4.43	-0.932	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.583	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.538	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.497	0.0002	-2.5 to 2.5	Pass
				0	3.85	3.643	0.0014	-2.5 to 2.5	Pass

				10	3.85	0.584	0.0002	-2.5 to 2.5	Pass
				30	3.85	4.092	0.0016	-2.5 to 2.5	Pass
				40	3.85	0.403	0.0002	-2.5 to 2.5	Pass
				50	3.85	1.775	0.0007	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	4.540	0.0017	-2.5 to 2.5	Pass
					3.85	-0.226	-0.0001	-2.5 to 2.5	Pass
					4.43	5.255	0.0020	-2.5 to 2.5	Pass
				-30	3.85	3.382	0.0013	-2.5 to 2.5	Pass
				-20	3.85	7.467	0.0029	-2.5 to 2.5	Pass
				-10	3.85	6.432	0.0025	-2.5 to 2.5	Pass
				0	3.85	1.913	0.0007	-2.5 to 2.5	Pass
				10	3.85	3.181	0.0012	-2.5 to 2.5	Pass
				30	3.85	3.874	0.0015	-2.5 to 2.5	Pass
				40	3.85	8.477	0.0032	-2.5 to 2.5	Pass
				50	3.85	1.625	0.0006	-2.5 to 2.5	Pass

2.3 B38_15MHz

2.3.1 Test Result

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	3.27	4.976	0.0019	-2.5 to 2.5	Pass
					3.85	5.138	0.0020	-2.5 to 2.5	Pass
					4.43	7.576	0.0029	-2.5 to 2.5	Pass
				-30	3.85	7.741	0.0030	-2.5 to 2.5	Pass
				-20	3.85	6.589	0.0026	-2.5 to 2.5	Pass
				-10	3.85	4.815	0.0019	-2.5 to 2.5	Pass
				0	3.85	5.744	0.0022	-2.5 to 2.5	Pass
				10	3.85	3.450	0.0013	-2.5 to 2.5	Pass
				30	3.85	3.485	0.0014	-2.5 to 2.5	Pass
				40	3.85	3.391	0.0013	-2.5 to 2.5	Pass
				50	3.85	5.843	0.0023	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-0.275	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.190	-0.0001	-2.5 to 2.5	Pass
					4.43	-2.636	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-3.644	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.659	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.591	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-2.907	-0.0011	-2.5 to 2.5	Pass
				10	3.85	0.879	0.0003	-2.5 to 2.5	Pass
				30	3.85	-4.824	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-1.822	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.773	-0.0011	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-1.336	-0.0005	-2.5 to 2.5	Pass
					3.85	0.271	0.0001	-2.5 to 2.5	Pass
					4.43	-0.674	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	6.200	0.0024	-2.5 to 2.5	Pass
				-20	3.85	5.557	0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.845	-0.0003	-2.5 to 2.5	Pass
				0	3.85	2.883	0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.871	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.926	0.0004	-2.5 to 2.5	Pass
				40	3.85	5.644	0.0022	-2.5 to 2.5	Pass
				50	3.85	3.625	0.0014	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.27	8.383	0.0033	-2.5 to 2.5	Pass
					3.85	8.258	0.0032	-2.5 to 2.5	Pass
					4.43	6.924	0.0027	-2.5 to 2.5	Pass
				-30	3.85	6.667	0.0026	-2.5 to 2.5	Pass
				-20	3.85	4.900	0.0019	-2.5 to 2.5	Pass
				-10	3.85	1.704	0.0007	-2.5 to 2.5	Pass
				0	3.85	3.837	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.981	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.912	0.0011	-2.5 to 2.5	Pass
				40	3.85	7.767	0.0030	-2.5 to 2.5	Pass
				50	3.85	1.233	0.0005	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-4.073	-0.0016	-2.5 to 2.5	Pass
					3.85	-0.667	-0.0003	-2.5 to 2.5	Pass
					4.43	1.094	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.815	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-3.543	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-3.009	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-3.651	-0.0014	-2.5 to 2.5	Pass

				10	3.85	-0.989	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.908	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.363	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	0.434	0.0002	-2.5 to 2.5	Pass
					3.85	6.354	0.0024	-2.5 to 2.5	Pass
					4.43	0.084	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.493	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.088	0.0000	-2.5 to 2.5	Pass
				-10	3.85	4.867	0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.299	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.848	0.0003	-2.5 to 2.5	Pass
				30	3.85	6.430	0.0025	-2.5 to 2.5	Pass
				40	3.85	0.730	0.0003	-2.5 to 2.5	Pass
				50	3.85	1.559	0.0006	-2.5 to 2.5	Pass

2.4 B38_20MHz

2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.27	1.351	0.0005	-2.5 to 2.5	Pass
					3.85	0.370	0.0001	-2.5 to 2.5	Pass
					4.43	0.519	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-4.726	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.615	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.158	0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.720	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.901	-0.0007	-2.5 to 2.5	Pass
				30	3.85	1.158	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.750	0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.716	-0.0007	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-0.007	0.0000	-2.5 to 2.5	Pass
					3.85	-1.439	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.143	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-5.028	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.195	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.129	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.862	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.792	-0.0011	-2.5 to 2.5	Pass
				30	3.85	0.016	0.0000	-2.5 to 2.5	Pass
				40	3.85	-2.730	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-4.352	-0.0017	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-3.302	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.018	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.809	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.341	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.234	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.294	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.088	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.995	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-6.367	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-0.687	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-3.187	-0.0012	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.27	1.114	0.0004	-2.5 to 2.5	Pass
					3.85	3.408	0.0013	-2.5 to 2.5	Pass
					4.43	-1.803	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.088	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.043	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.541	-0.0002	-2.5 to 2.5	Pass
				0	3.85	3.177	0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.524	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.463	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.046	0.0004	-2.5 to 2.5	Pass
				50	3.85	-3.571	-0.0014	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	2.868	0.0011	-2.5 to 2.5	Pass
					3.85	-3.961	-0.0015	-2.5 to 2.5	Pass
					4.43	1.622	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.620	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.245	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.985	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.287	-0.0009	-2.5 to 2.5	Pass

				10	3.85	-1.806	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.657	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.482	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-1.877	-0.0007	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-4.185	-0.0016	-2.5 to 2.5	Pass
					3.85	-2.523	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.161	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-2.937	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-5.166	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-4.368	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-0.091	0.0000	-2.5 to 2.5	Pass
				10	3.85	1.584	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.225	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.285	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-6.075	-0.0023	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 B4_1.4MHz

3.1.1 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	-8.904	-0.0052	-2.5 to 2.5	Pass
					3.85	-8.712	-0.0051	-2.5 to 2.5	Pass
					4.43	-7.280	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-6.863	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-6.027	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-6.088	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-4.511	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-4.658	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-4.819	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-3.176	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-2.483	-0.0015	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-10.648	-0.0061	-2.5 to 2.5	Pass
					3.85	-9.428	-0.0054	-2.5 to 2.5	Pass
					4.43	-9.732	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-9.999	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-8.686	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-7.567	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-6.212	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-5.317	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-5.805	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-3.927	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-3.930	-0.0023	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-10.742	-0.0061	-2.5 to 2.5	Pass
					3.85	-8.607	-0.0049	-2.5 to 2.5	Pass
					4.43	-7.641	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-6.235	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-6.224	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-4.637	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-4.499	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-4.586	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-2.896	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.976	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-1.682	-0.0010	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-2.612	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.937	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.193	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.258	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.008	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.887	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.735	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.611	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-2.581	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.026	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.318	-0.0008	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-4.001	-0.0023	-2.5 to 2.5	Pass
					3.85	-3.603	-0.0021	-2.5 to 2.5	Pass
					4.43	-2.911	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.258	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-3.218	-0.0019	-2.5 to 2.5	Pass

				-10	3.85	-2.193	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-2.682	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.009	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.425	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.118	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.824	-0.0011	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-2.663	-0.0015	-2.5 to 2.5	Pass
					3.85	-4.072	-0.0023	-2.5 to 2.5	Pass
					4.43	-2.135	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-3.355	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.957	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.571	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.177	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.816	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.573	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.507	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.630	-0.0015	-2.5 to 2.5	Pass

3.2 B4_3MHz

3.2.1 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	2.725	0.0016	-2.5 to 2.5	Pass
					3.85	3.648	0.0021	-2.5 to 2.5	Pass
					4.43	4.008	0.0023	-2.5 to 2.5	Pass
				-30	3.85	2.344	0.0014	-2.5 to 2.5	Pass
				-20	3.85	2.937	0.0017	-2.5 to 2.5	Pass
				-10	3.85	5.088	0.0030	-2.5 to 2.5	Pass
				0	3.85	4.707	0.0028	-2.5 to 2.5	Pass
				10	3.85	3.108	0.0018	-2.5 to 2.5	Pass
				30	3.85	2.134	0.0012	-2.5 to 2.5	Pass
				40	3.85	2.276	0.0013	-2.5 to 2.5	Pass
				50	3.85	3.799	0.0022	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.864	0.0005	-2.5 to 2.5	Pass
					3.85	2.997	0.0017	-2.5 to 2.5	Pass
					4.43	1.582	0.0009	-2.5 to 2.5	Pass
				-30	3.85	2.444	0.0014	-2.5 to 2.5	Pass
				-20	3.85	1.562	0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.703	0.0016	-2.5 to 2.5	Pass
				0	3.85	1.950	0.0011	-2.5 to 2.5	Pass
				10	3.85	2.704	0.0016	-2.5 to 2.5	Pass
				30	3.85	1.104	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.395	0.0008	-2.5 to 2.5	Pass
				50	3.85	2.571	0.0015	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	2.765	0.0016	-2.5 to 2.5	Pass
					3.85	3.679	0.0021	-2.5 to 2.5	Pass
					4.43	4.629	0.0026	-2.5 to 2.5	Pass
				-30	3.85	3.472	0.0020	-2.5 to 2.5	Pass
				-20	3.85	2.802	0.0016	-2.5 to 2.5	Pass
				-10	3.85	4.813	0.0027	-2.5 to 2.5	Pass
				0	3.85	2.766	0.0016	-2.5 to 2.5	Pass
				10	3.85	3.271	0.0019	-2.5 to 2.5	Pass
				30	3.85	1.195	0.0007	-2.5 to 2.5	Pass
				40	3.85	3.403	0.0019	-2.5 to 2.5	Pass
				50	3.85	2.624	0.0015	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	3.037	0.0018	-2.5 to 2.5	Pass
					3.85	3.294	0.0019	-2.5 to 2.5	Pass
					4.43	2.165	0.0013	-2.5 to 2.5	Pass
				-30	3.85	1.794	0.0010	-2.5 to 2.5	Pass
				-20	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				-10	3.85	2.675	0.0016	-2.5 to 2.5	Pass
				0	3.85	3.235	0.0019	-2.5 to 2.5	Pass
				10	3.85	2.647	0.0015	-2.5 to 2.5	Pass
				30	3.85	2.598	0.0015	-2.5 to 2.5	Pass
				40	3.85	1.718	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.954	0.0011	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	2.033	0.0012	-2.5 to 2.5	Pass
					3.85	2.532	0.0015	-2.5 to 2.5	Pass
					4.43	1.784	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.643	0.0004	-2.5 to 2.5	Pass
				-20	3.85	3.289	0.0019	-2.5 to 2.5	Pass
				-10	3.85	1.576	0.0009	-2.5 to 2.5	Pass
				0	3.85	3.043	0.0018	-2.5 to 2.5	Pass

				10	3.85	2.938	0.0017	-2.5 to 2.5	Pass
				30	3.85	2.397	0.0014	-2.5 to 2.5	Pass
				40	3.85	2.894	0.0017	-2.5 to 2.5	Pass
				50	3.85	4.126	0.0024	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	1.798	0.0010	-2.5 to 2.5	Pass
					3.85	3.601	0.0021	-2.5 to 2.5	Pass
					4.43	1.683	0.0010	-2.5 to 2.5	Pass
				-30	3.85	2.883	0.0016	-2.5 to 2.5	Pass
				-20	3.85	2.196	0.0013	-2.5 to 2.5	Pass
				-10	3.85	3.167	0.0018	-2.5 to 2.5	Pass
				0	3.85	3.374	0.0019	-2.5 to 2.5	Pass
				10	3.85	1.235	0.0007	-2.5 to 2.5	Pass
				30	3.85	3.281	0.0019	-2.5 to 2.5	Pass
				40	3.85	3.482	0.0020	-2.5 to 2.5	Pass
				50	3.85	2.259	0.0013	-2.5 to 2.5	Pass

3.3 B4_5MHz

3.3.1 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	5.049	0.0029	-2.5 to 2.5	Pass
					3.85	4.880	0.0028	-2.5 to 2.5	Pass
					4.43	4.204	0.0025	-2.5 to 2.5	Pass
				-30	3.85	4.149	0.0024	-2.5 to 2.5	Pass
				-20	3.85	4.419	0.0026	-2.5 to 2.5	Pass
				-10	3.85	3.383	0.0020	-2.5 to 2.5	Pass
				0	3.85	4.460	0.0026	-2.5 to 2.5	Pass
				10	3.85	4.737	0.0028	-2.5 to 2.5	Pass
				30	3.85	2.957	0.0017	-2.5 to 2.5	Pass
				40	3.85	4.022	0.0023	-2.5 to 2.5	Pass
				50	3.85	3.465	0.0020	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	3.550	0.0020	-2.5 to 2.5	Pass
					3.85	4.938	0.0029	-2.5 to 2.5	Pass
					4.43	4.763	0.0027	-2.5 to 2.5	Pass
				-30	3.85	4.271	0.0025	-2.5 to 2.5	Pass
				-20	3.85	4.004	0.0023	-2.5 to 2.5	Pass
				-10	3.85	4.416	0.0025	-2.5 to 2.5	Pass
				0	3.85	3.182	0.0018	-2.5 to 2.5	Pass
				10	3.85	4.826	0.0028	-2.5 to 2.5	Pass
				30	3.85	2.619	0.0015	-2.5 to 2.5	Pass
				40	3.85	3.478	0.0020	-2.5 to 2.5	Pass
				50	3.85	3.852	0.0022	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-0.051	0.0000	-2.5 to 2.5	Pass
					3.85	-2.657	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.714	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-1.542	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.712	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.297	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.987	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.102	-0.0006	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	3.727	0.0022	-2.5 to 2.5	Pass
					3.85	2.770	0.0016	-2.5 to 2.5	Pass
					4.43	3.252	0.0019	-2.5 to 2.5	Pass
				-30	3.85	3.967	0.0023	-2.5 to 2.5	Pass
				-20	3.85	3.162	0.0018	-2.5 to 2.5	Pass
				-10	3.85	1.804	0.0011	-2.5 to 2.5	Pass
				0	3.85	4.205	0.0025	-2.5 to 2.5	Pass
				10	3.85	3.394	0.0020	-2.5 to 2.5	Pass
				30	3.85	2.648	0.0015	-2.5 to 2.5	Pass
				40	3.85	3.930	0.0023	-2.5 to 2.5	Pass
				50	3.85	3.600	0.0021	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	3.285	0.0019	-2.5 to 2.5	Pass
					3.85	2.495	0.0014	-2.5 to 2.5	Pass
					4.43	1.919	0.0011	-2.5 to 2.5	Pass
				-30	3.85	2.401	0.0014	-2.5 to 2.5	Pass
				-20	3.85	2.420	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.558	0.0009	-2.5 to 2.5	Pass
				0	3.85	3.256	0.0019	-2.5 to 2.5	Pass

				10	3.85	2.204	0.0013	-2.5 to 2.5	Pass
				30	3.85	1.851	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.002	0.0006	-2.5 to 2.5	Pass
				50	3.85	2.210	0.0013	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-1.483	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.226	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.330	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.740	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.115	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.855	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.624	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.967	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.481	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.387	-0.0008	-2.5 to 2.5	Pass

3.4 B4_10MHz

3.4.1 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	-2.493	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.167	-0.0007	-2.5 to 2.5	Pass
					4.43	-2.838	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-1.163	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.732	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.914	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.627	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.436	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.392	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.102	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.567	-0.0003	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	0.978	0.0006	-2.5 to 2.5	Pass
					3.85	1.431	0.0008	-2.5 to 2.5	Pass
					4.43	1.035	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.862	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.803	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.636	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.879	0.0005	-2.5 to 2.5	Pass
				10	3.85	2.325	0.0013	-2.5 to 2.5	Pass
				30	3.85	1.853	0.0011	-2.5 to 2.5	Pass
				40	3.85	0.879	0.0005	-2.5 to 2.5	Pass
				50	3.85	1.224	0.0007	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	4.174	0.0024	-2.5 to 2.5	Pass
					3.85	3.600	0.0021	-2.5 to 2.5	Pass
					4.43	2.622	0.0015	-2.5 to 2.5	Pass
				-30	3.85	3.365	0.0019	-2.5 to 2.5	Pass
				-20	3.85	3.699	0.0021	-2.5 to 2.5	Pass
				-10	3.85	1.366	0.0008	-2.5 to 2.5	Pass
				0	3.85	2.985	0.0017	-2.5 to 2.5	Pass
				10	3.85	3.685	0.0021	-2.5 to 2.5	Pass
				30	3.85	2.815	0.0016	-2.5 to 2.5	Pass
				40	3.85	2.607	0.0015	-2.5 to 2.5	Pass
				50	3.85	3.163	0.0018	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-1.649	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.498	-0.0003	-2.5 to 2.5	Pass
					4.43	-1.196	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.993	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.978	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.142	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.381	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.002	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.196	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.532	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.415	-0.0008	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	1.038	0.0006	-2.5 to 2.5	Pass
					3.85	0.739	0.0004	-2.5 to 2.5	Pass
					4.43	1.575	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.653	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.949	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.095	0.0006	-2.5 to 2.5	Pass
				0	3.85	1.644	0.0009	-2.5 to 2.5	Pass

				10	3.85	1.656	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.933	0.0011	-2.5 to 2.5	Pass
				40	3.85	0.929	0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.457	-0.0003	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.849	0.0011	-2.5 to 2.5	Pass
					3.85	2.735	0.0016	-2.5 to 2.5	Pass
					4.43	1.847	0.0011	-2.5 to 2.5	Pass
				-30	3.85	2.971	0.0017	-2.5 to 2.5	Pass
				-20	3.85	1.723	0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.954	0.0017	-2.5 to 2.5	Pass
				0	3.85	2.479	0.0014	-2.5 to 2.5	Pass
				10	3.85	1.779	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.001	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.415	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.123	0.0006	-2.5 to 2.5	Pass

3.5 B4_15MHz

3.5.1 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	2.611	0.0015	-2.5 to 2.5	Pass
					3.85	0.846	0.0005	-2.5 to 2.5	Pass
					4.43	2.518	0.0015	-2.5 to 2.5	Pass
				-30	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.698	0.0004	-2.5 to 2.5	Pass
				0	3.85	1.093	0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.105	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.060	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.928	0.0005	-2.5 to 2.5	Pass
				50	3.85	1.409	0.0008	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	0.688	0.0004	-2.5 to 2.5	Pass
					3.85	1.613	0.0009	-2.5 to 2.5	Pass
					4.43	1.816	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.464	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.417	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.541	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.729	0.0004	-2.5 to 2.5	Pass
				10	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.505	0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.076	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.850	0.0005	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	1.547	0.0009	-2.5 to 2.5	Pass
					3.85	-0.412	-0.0002	-2.5 to 2.5	Pass
					4.43	0.744	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.386	0.0008	-2.5 to 2.5	Pass
				-20	3.85	2.596	0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.226	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.026	0.0000	-2.5 to 2.5	Pass
				10	3.85	1.780	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.166	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.141	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.211	0.0001	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	1.438	0.0008	-2.5 to 2.5	Pass
					3.85	1.586	0.0009	-2.5 to 2.5	Pass
					4.43	0.650	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.352	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.835	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.048	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.150	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.702	0.0004	-2.5 to 2.5	Pass
				30	3.85	2.224	0.0013	-2.5 to 2.5	Pass
				40	3.85	1.810	0.0011	-2.5 to 2.5	Pass
				50	3.85	2.391	0.0014	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	1.593	0.0009	-2.5 to 2.5	Pass
					3.85	2.710	0.0016	-2.5 to 2.5	Pass
					4.43	0.831	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.592	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.462	0.0008	-2.5 to 2.5	Pass
				-10	3.85	1.184	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.610	0.0009	-2.5 to 2.5	Pass

				10	3.85	2.038	0.0012	-2.5 to 2.5	Pass
				30	3.85	1.209	0.0007	-2.5 to 2.5	Pass
				40	3.85	2.178	0.0013	-2.5 to 2.5	Pass
				50	3.85	1.615	0.0009	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	2.377	0.0014	-2.5 to 2.5	Pass
					3.85	0.237	0.0001	-2.5 to 2.5	Pass
					4.43	2.110	0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.128	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.199	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.572	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.559	0.0009	-2.5 to 2.5	Pass
				40	3.85	0.903	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.136	0.0001	-2.5 to 2.5	Pass

3.6 B4_20MHz

3.6.1 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	0.748	0.0004	-2.5 to 2.5	Pass
					3.85	1.425	0.0008	-2.5 to 2.5	Pass
					4.43	2.169	0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.021	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.092	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.640	0.0004	-2.5 to 2.5	Pass
				0	3.85	1.482	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.648	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.139	0.0012	-2.5 to 2.5	Pass
				40	3.85	0.956	0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.669	-0.0004	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	0.953	0.0006	-2.5 to 2.5	Pass
					3.85	0.094	0.0001	-2.5 to 2.5	Pass
					4.43	2.413	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.221	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.318	0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.319	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.602	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.324	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.697	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.654	0.0010	-2.5 to 2.5	Pass
				50	3.85	0.405	0.0002	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-2.551	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.768	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.768	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.957	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.135	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.078	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.567	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.436	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.379	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-2.656	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.872	-0.0005	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	0.876	0.0005	-2.5 to 2.5	Pass
					3.85	1.961	0.0011	-2.5 to 2.5	Pass
					4.43	0.106	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.818	0.0011	-2.5 to 2.5	Pass
				-20	3.85	0.603	0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.672	0.0016	-2.5 to 2.5	Pass
				0	3.85	1.151	0.0007	-2.5 to 2.5	Pass
				10	3.85	1.311	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.100	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.082	0.0006	-2.5 to 2.5	Pass
				50	3.85	1.534	0.0009	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	1.231	0.0007	-2.5 to 2.5	Pass
					3.85	1.841	0.0011	-2.5 to 2.5	Pass
					4.43	0.867	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.132	0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.811	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.847	0.0005	-2.5 to 2.5	Pass

				10	3.85	1.355	0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.470	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.041	0.0000	-2.5 to 2.5	Pass
				50	3.85	1.299	0.0007	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-2.867	-0.0016	-2.5 to 2.5	Pass
					3.85	-1.517	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.238	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.719	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.946	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.654	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-1.716	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.338	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-2.175	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-2.063	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.384	-0.0014	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B40a_5MHz

4.1.1 Test Result

Band: 40a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2307.5	25	0	20	3.27	0.907	0.0004	-2.5 to 2.5	Pass
					3.85	2.344	0.0010	-2.5 to 2.5	Pass
					4.43	2.372	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.670	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.879	0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.074	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.800	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.511	0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.439	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.771	0.0008	-2.5 to 2.5	Pass
				50	3.85	2.223	0.0010	-2.5 to 2.5	Pass
	2310	25	0	20	3.27	-3.067	-0.0013	-2.5 to 2.5	Pass
					3.85	-5.608	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.325	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-4.105	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-4.966	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-2.045	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.991	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.716	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-4.615	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-4.518	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-5.631	-0.0024	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	0.905	0.0004	-2.5 to 2.5	Pass
					3.85	-1.058	-0.0005	-2.5 to 2.5	Pass
					4.43	0.423	0.0002	-2.5 to 2.5	Pass
				-30	3.85	2.980	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.131	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.838	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.766	-0.0008	-2.5 to 2.5	Pass
				10	3.85	1.680	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.247	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.215	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.813	0.0012	-2.5 to 2.5	Pass
16QAM	2307.5	25	0	20	3.27	1.696	0.0007	-2.5 to 2.5	Pass
					3.85	1.344	0.0006	-2.5 to 2.5	Pass
					4.43	2.069	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.191	0.0005	-2.5 to 2.5	Pass
				-20	3.85	4.017	0.0017	-2.5 to 2.5	Pass
				-10	3.85	2.753	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.426	0.0006	-2.5 to 2.5	Pass
				10	3.85	3.622	0.0016	-2.5 to 2.5	Pass
				30	3.85	4.559	0.0020	-2.5 to 2.5	Pass
				40	3.85	3.845	0.0017	-2.5 to 2.5	Pass
				50	3.85	2.240	0.0010	-2.5 to 2.5	Pass
	2310	25	0	20	3.27	-2.645	-0.0011	-2.5 to 2.5	Pass
					3.85	-4.592	-0.0020	-2.5 to 2.5	Pass
					4.43	-2.459	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.214	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.641	-0.0003	-2.5 to 2.5	Pass

				-10	3.85	-4.361	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-5.075	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-2.674	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-3.446	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-4.759	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-5.199	-0.0023	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	0.299	0.0001	-2.5 to 2.5	Pass
					3.85	-1.450	-0.0006	-2.5 to 2.5	Pass
					4.43	0.403	0.0002	-2.5 to 2.5	Pass
				-30	3.85	2.223	0.0010	-2.5 to 2.5	Pass
				-20	3.85	2.175	0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.300	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.035	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.063	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.629	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.668	-0.0003	-2.5 to 2.5	Pass
				50	3.85	2.164	0.0009	-2.5 to 2.5	Pass

4.2 B40a_10MHz

4.2.1 Test Result

Band: 40a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2310	50	0	20	3.27	-3.109	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.881	-0.0012	-2.5 to 2.5	Pass
					4.43	-4.679	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.162	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-5.833	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-1.718	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-6.352	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-4.565	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.095	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-4.443	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-4.733	-0.0020	-2.5 to 2.5	Pass
16QAM	2310	50	0	20	3.27	-4.485	-0.0019	-2.5 to 2.5	Pass
					3.85	-4.800	-0.0021	-2.5 to 2.5	Pass
					4.43	-3.548	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.373	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-4.566	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.879	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-3.752	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-6.063	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-4.863	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-4.172	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-4.351	-0.0019	-2.5 to 2.5	Pass

5. Frequency Stability

5.1 B40b_5MHz

5.1.1 Test Result

Band: 40b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2352.5	25	0	20	3.27	3.924	0.0017	-2.5 to 2.5	Pass
					3.85	4.309	0.0018	-2.5 to 2.5	Pass
					4.43	1.699	0.0007	-2.5 to 2.5	Pass
				-30	3.85	5.261	0.0022	-2.5 to 2.5	Pass
				-20	3.85	4.489	0.0019	-2.5 to 2.5	Pass
				-10	3.85	5.071	0.0022	-2.5 to 2.5	Pass
				0	3.85	4.997	0.0021	-2.5 to 2.5	Pass
				10	3.85	4.375	0.0019	-2.5 to 2.5	Pass
				30	3.85	3.962	0.0017	-2.5 to 2.5	Pass
				40	3.85	7.070	0.0030	-2.5 to 2.5	Pass
				50	3.85	6.455	0.0027	-2.5 to 2.5	Pass
	2355	25	0	20	3.27	-4.171	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.045	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.321	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.422	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-5.432	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-4.935	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-3.829	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-3.310	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-6.263	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-5.284	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-4.913	-0.0021	-2.5 to 2.5	Pass
	2357.5	25	0	20	3.27	-0.567	-0.0002	-2.5 to 2.5	Pass
					3.85	4.279	0.0018	-2.5 to 2.5	Pass
					4.43	-0.820	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.075	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.264	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.740	0.0003	-2.5 to 2.5	Pass
				0	3.85	1.608	0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.740	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.571	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.539	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.484	-0.0002	-2.5 to 2.5	Pass
16QAM	2352.5	25	0	20	3.27	1.367	0.0006	-2.5 to 2.5	Pass
					3.85	1.778	0.0008	-2.5 to 2.5	Pass
					4.43	0.027	0.0000	-2.5 to 2.5	Pass
				-30	3.85	1.481	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.315	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.817	0.0008	-2.5 to 2.5	Pass
				0	3.85	2.494	0.0011	-2.5 to 2.5	Pass
				10	3.85	0.796	0.0003	-2.5 to 2.5	Pass
				30	3.85	5.131	0.0022	-2.5 to 2.5	Pass
				40	3.85	0.823	0.0003	-2.5 to 2.5	Pass
				50	3.85	6.670	0.0028	-2.5 to 2.5	Pass
	2355	25	0	20	3.27	-1.369	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.642	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.898	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.606	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.366	-0.0010	-2.5 to 2.5	Pass

				-10	3.85	-0.917	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.935	0.0004	-2.5 to 2.5	Pass
				10	3.85	1.105	0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.880	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-3.558	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.749	-0.0003	-2.5 to 2.5	Pass
	2357.5	25	0	20	3.27	1.924	0.0008	-2.5 to 2.5	Pass
					3.85	1.793	0.0008	-2.5 to 2.5	Pass
					4.43	3.517	0.0015	-2.5 to 2.5	Pass
				-30	3.85	1.629	0.0007	-2.5 to 2.5	Pass
				-20	3.85	5.079	0.0022	-2.5 to 2.5	Pass
				-10	3.85	1.539	0.0007	-2.5 to 2.5	Pass
				0	3.85	3.206	0.0014	-2.5 to 2.5	Pass
				10	3.85	0.399	0.0002	-2.5 to 2.5	Pass
				30	3.85	4.515	0.0019	-2.5 to 2.5	Pass
				40	3.85	-0.113	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.260	-0.0001	-2.5 to 2.5	Pass

5.2 B40b_10MHz

5.2.1 Test Result

Band: 40b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2355	50	0	20	3.27	-4.724	-0.0020	-2.5 to 2.5	Pass
					3.85	-4.776	-0.0020	-2.5 to 2.5	Pass
					4.43	-4.489	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-5.130	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-4.823	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-2.994	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-5.255	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-4.270	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-6.313	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-5.223	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-5.631	-0.0024	-2.5 to 2.5	Pass
16QAM	2355	50	0	20	3.27	-5.847	-0.0025	-2.5 to 2.5	Pass
					3.85	-2.614	-0.0011	-2.5 to 2.5	Pass
					4.43	-3.758	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-4.583	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.870	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-5.091	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-3.577	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-3.453	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.429	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.220	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-4.277	-0.0018	-2.5 to 2.5	Pass

6. Frequency Stability

6.1 B41_5MHz

6.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.27	9.410	0.0038	-2.5 to 2.5	Pass
					3.85	4.039	0.0016	-2.5 to 2.5	Pass
					4.43	8.966	0.0036	-2.5 to 2.5	Pass
				-30	3.85	1.341	0.0005	-2.5 to 2.5	Pass
				-20	3.85	8.282	0.0033	-2.5 to 2.5	Pass
				-10	3.85	4.666	0.0019	-2.5 to 2.5	Pass
				0	3.85	7.306	0.0029	-2.5 to 2.5	Pass
				10	3.85	6.160	0.0025	-2.5 to 2.5	Pass
				30	3.85	1.256	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.756	0.0003	-2.5 to 2.5	Pass
				50	3.85	6.563	0.0026	-2.5 to 2.5	Pass
	2593	25	0	20	3.27	1.217	0.0005	-2.5 to 2.5	Pass
					3.85	5.845	0.0023	-2.5 to 2.5	Pass
					4.43	5.397	0.0021	-2.5 to 2.5	Pass
				-30	3.85	4.324	0.0017	-2.5 to 2.5	Pass
				-20	3.85	6.857	0.0026	-2.5 to 2.5	Pass
				-10	3.85	7.417	0.0029	-2.5 to 2.5	Pass
				0	3.85	7.166	0.0028	-2.5 to 2.5	Pass
				10	3.85	-1.384	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.872	0.0003	-2.5 to 2.5	Pass
				40	3.85	5.751	0.0022	-2.5 to 2.5	Pass
				50	3.85	5.332	0.0021	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.27	4.376	0.0016	-2.5 to 2.5	Pass
					3.85	2.229	0.0008	-2.5 to 2.5	Pass
					4.43	2.577	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.058	0.0000	-2.5 to 2.5	Pass
				-20	3.85	4.374	0.0016	-2.5 to 2.5	Pass
				-10	3.85	2.067	0.0008	-2.5 to 2.5	Pass
				0	3.85	3.082	0.0011	-2.5 to 2.5	Pass
				10	3.85	0.013	0.0000	-2.5 to 2.5	Pass
				30	3.85	3.979	0.0015	-2.5 to 2.5	Pass
				40	3.85	1.541	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.278	0.0001	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.27	5.726	0.0023	-2.5 to 2.5	Pass
					3.85	7.426	0.0030	-2.5 to 2.5	Pass
					4.43	9.019	0.0036	-2.5 to 2.5	Pass
				-30	3.85	5.619	0.0022	-2.5 to 2.5	Pass
				-20	3.85	6.254	0.0025	-2.5 to 2.5	Pass
				-10	3.85	6.185	0.0025	-2.5 to 2.5	Pass
				0	3.85	5.790	0.0023	-2.5 to 2.5	Pass
				10	3.85	0.875	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.799	0.0007	-2.5 to 2.5	Pass
				40	3.85	2.351	0.0009	-2.5 to 2.5	Pass
				50	3.85	7.549	0.0030	-2.5 to 2.5	Pass
	2593	25	0	20	3.27	4.970	0.0019	-2.5 to 2.5	Pass
					3.85	6.880	0.0027	-2.5 to 2.5	Pass
					4.43	4.689	0.0018	-2.5 to 2.5	Pass
				-30	3.85	8.125	0.0031	-2.5 to 2.5	Pass
				-20	3.85	1.973	0.0008	-2.5 to 2.5	Pass

				-10	3.85	2.514	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.603	0.0002	-2.5 to 2.5	Pass
				10	3.85	7.387	0.0028	-2.5 to 2.5	Pass
				30	3.85	1.103	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.163	0.0001	-2.5 to 2.5	Pass
				50	3.85	6.750	0.0026	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.27	0.233	0.0001	-2.5 to 2.5	Pass
					3.85	0.346	0.0001	-2.5 to 2.5	Pass
					4.43	0.355	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.945	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.844	0.0007	-2.5 to 2.5	Pass
				-10	3.85	3.415	0.0013	-2.5 to 2.5	Pass
				0	3.85	-2.729	-0.0010	-2.5 to 2.5	Pass
				10	3.85	3.171	0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.969	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.667	-0.0002	-2.5 to 2.5	Pass
				50	3.85	3.391	0.0013	-2.5 to 2.5	Pass

6.2 B41_10MHz

6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.27	3.338	0.0013	-2.5 to 2.5	Pass
					3.85	2.684	0.0011	-2.5 to 2.5	Pass
					4.43	9.156	0.0037	-2.5 to 2.5	Pass
				-30	3.85	0.176	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.637	0.0003	-2.5 to 2.5	Pass
				-10	3.85	4.167	0.0017	-2.5 to 2.5	Pass
				0	3.85	6.576	0.0026	-2.5 to 2.5	Pass
				10	3.85	-0.260	-0.0001	-2.5 to 2.5	Pass
				30	3.85	5.429	0.0022	-2.5 to 2.5	Pass
				40	3.85	7.777	0.0031	-2.5 to 2.5	Pass
				50	3.85	6.817	0.0027	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	4.996	0.0019	-2.5 to 2.5	Pass
					3.85	-0.715	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.679	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	2.241	0.0009	-2.5 to 2.5	Pass
				-20	3.85	4.852	0.0019	-2.5 to 2.5	Pass
				-10	3.85	4.853	0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.730	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.240	-0.0009	-2.5 to 2.5	Pass
				30	3.85	0.987	0.0004	-2.5 to 2.5	Pass
				40	3.85	4.255	0.0016	-2.5 to 2.5	Pass
				50	3.85	2.255	0.0009	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	1.525	0.0006	-2.5 to 2.5	Pass
					3.85	-1.726	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.039	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-5.527	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-3.501	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.883	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-4.257	-0.0016	-2.5 to 2.5	Pass
				10	3.85	2.718	0.0010	-2.5 to 2.5	Pass
				30	3.85	0.246	0.0001	-2.5 to 2.5	Pass
				40	3.85	-3.098	-0.0012	-2.5 to 2.5	Pass
				50	3.85	0.035	0.0000	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	3.27	1.657	0.0007	-2.5 to 2.5	Pass
					3.85	2.465	0.0010	-2.5 to 2.5	Pass
					4.43	0.250	0.0001	-2.5 to 2.5	Pass
				-30	3.85	2.929	0.0012	-2.5 to 2.5	Pass
				-20	3.85	2.803	0.0011	-2.5 to 2.5	Pass
				-10	3.85	6.901	0.0028	-2.5 to 2.5	Pass
				0	3.85	7.976	0.0032	-2.5 to 2.5	Pass
				10	3.85	2.142	0.0009	-2.5 to 2.5	Pass
				30	3.85	6.426	0.0026	-2.5 to 2.5	Pass
				40	3.85	7.577	0.0030	-2.5 to 2.5	Pass
				50	3.85	2.610	0.0010	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	1.665	0.0006	-2.5 to 2.5	Pass
					3.85	-0.225	-0.0001	-2.5 to 2.5	Pass
					4.43	3.723	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-1.232	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.642	0.0010	-2.5 to 2.5	Pass
				-10	3.85	4.991	0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.545	-0.0006	-2.5 to 2.5	Pass

				10	3.85	7.305	0.0028	-2.5 to 2.5	Pass
				30	3.85	0.722	0.0003	-2.5 to 2.5	Pass
				40	3.85	5.946	0.0023	-2.5 to 2.5	Pass
				50	3.85	-2.082	-0.0008	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-4.216	-0.0016	-2.5 to 2.5	Pass
					3.85	0.233	0.0001	-2.5 to 2.5	Pass
					4.43	-4.234	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-6.822	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	0.606	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-4.457	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-4.220	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-1.362	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.899	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-5.744	-0.0021	-2.5 to 2.5	Pass
				50	3.85	4.848	0.0018	-2.5 to 2.5	Pass

6.3 B41_15MHz

6.3.1 Test Result

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	3.27	-3.303	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.825	-0.0007	-2.5 to 2.5	Pass
					4.43	-2.427	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	2.138	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.198	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-2.370	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.117	-0.0008	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.868	0.0003	-2.5 to 2.5	Pass
				40	3.85	-3.182	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.701	-0.0015	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	4.231	0.0016	-2.5 to 2.5	Pass
					3.85	1.354	0.0005	-2.5 to 2.5	Pass
					4.43	3.175	0.0012	-2.5 to 2.5	Pass
				-30	3.85	7.592	0.0029	-2.5 to 2.5	Pass
				-20	3.85	-0.832	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.981	-0.0008	-2.5 to 2.5	Pass
				0	3.85	5.309	0.0020	-2.5 to 2.5	Pass
				10	3.85	2.817	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.333	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.856	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.417	0.0002	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	-1.191	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.004	-0.0004	-2.5 to 2.5	Pass
					4.43	0.273	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.921	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.782	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.370	-0.0001	-2.5 to 2.5	Pass
				0	3.85	5.996	0.0022	-2.5 to 2.5	Pass
				10	3.85	2.893	0.0011	-2.5 to 2.5	Pass
				30	3.85	6.135	0.0023	-2.5 to 2.5	Pass
				40	3.85	0.573	0.0002	-2.5 to 2.5	Pass
				50	3.85	5.402	0.0020	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.27	2.145	0.0009	-2.5 to 2.5	Pass
					3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.133	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-2.371	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.186	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.532	-0.0014	-2.5 to 2.5	Pass
				0	3.85	0.352	0.0001	-2.5 to 2.5	Pass
				10	3.85	-3.377	-0.0013	-2.5 to 2.5	Pass
				30	3.85	2.892	0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.335	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-3.966	-0.0016	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	0.026	0.0000	-2.5 to 2.5	Pass
					3.85	-2.234	-0.0009	-2.5 to 2.5	Pass
					4.43	6.502	0.0025	-2.5 to 2.5	Pass
				-30	3.85	5.788	0.0022	-2.5 to 2.5	Pass
				-20	3.85	0.735	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.685	-0.0006	-2.5 to 2.5	Pass
				0	3.85	0.806	0.0003	-2.5 to 2.5	Pass

				10	3.85	4.401	0.0017	-2.5 to 2.5	Pass
				30	3.85	7.246	0.0028	-2.5 to 2.5	Pass
				40	3.85	8.161	0.0031	-2.5 to 2.5	Pass
				50	3.85	-1.453	-0.0006	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	8.209	0.0031	-2.5 to 2.5	Pass
					3.85	9.272	0.0035	-2.5 to 2.5	Pass
					4.43	-0.188	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	4.637	0.0017	-2.5 to 2.5	Pass
				-20	3.85	5.724	0.0021	-2.5 to 2.5	Pass
				-10	3.85	6.956	0.0026	-2.5 to 2.5	Pass
				0	3.85	8.910	0.0033	-2.5 to 2.5	Pass
				10	3.85	2.983	0.0011	-2.5 to 2.5	Pass
				30	3.85	6.848	0.0026	-2.5 to 2.5	Pass
				40	3.85	0.148	0.0001	-2.5 to 2.5	Pass
				50	3.85	5.372	0.0020	-2.5 to 2.5	Pass

6.4 B41_20MHz

6.4.1 Test Result

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.27	5.253	0.0021	-2.5 to 2.5	Pass
					3.85	1.755	0.0007	-2.5 to 2.5	Pass
					4.43	7.062	0.0028	-2.5 to 2.5	Pass
				-30	3.85	6.032	0.0024	-2.5 to 2.5	Pass
				-20	3.85	6.823	0.0027	-2.5 to 2.5	Pass
				-10	3.85	4.537	0.0018	-2.5 to 2.5	Pass
				0	3.85	4.142	0.0017	-2.5 to 2.5	Pass
				10	3.85	5.094	0.0020	-2.5 to 2.5	Pass
				30	3.85	4.485	0.0018	-2.5 to 2.5	Pass
				40	3.85	0.793	0.0003	-2.5 to 2.5	Pass
				50	3.85	1.086	0.0004	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	1.266	0.0005	-2.5 to 2.5	Pass
					3.85	4.097	0.0016	-2.5 to 2.5	Pass
					4.43	5.206	0.0020	-2.5 to 2.5	Pass
				-30	3.85	0.556	0.0002	-2.5 to 2.5	Pass
				-20	3.85	3.654	0.0014	-2.5 to 2.5	Pass
				-10	3.85	6.905	0.0027	-2.5 to 2.5	Pass
				0	3.85	1.098	0.0004	-2.5 to 2.5	Pass
				10	3.85	5.638	0.0022	-2.5 to 2.5	Pass
				30	3.85	4.328	0.0017	-2.5 to 2.5	Pass
				40	3.85	6.068	0.0023	-2.5 to 2.5	Pass
				50	3.85	0.114	0.0000	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	1.749	0.0007	-2.5 to 2.5	Pass
					3.85	1.857	0.0007	-2.5 to 2.5	Pass
					4.43	0.755	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.154	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.602	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.439	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.666	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.059	0.0004	-2.5 to 2.5	Pass
				30	3.85	3.163	0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.923	-0.0007	-2.5 to 2.5	Pass
				50	3.85	0.253	0.0001	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.27	6.459	0.0026	-2.5 to 2.5	Pass
					3.85	1.740	0.0007	-2.5 to 2.5	Pass
					4.43	5.935	0.0024	-2.5 to 2.5	Pass
				-30	3.85	3.909	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-2.423	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.882	0.0004	-2.5 to 2.5	Pass
				0	3.85	5.675	0.0023	-2.5 to 2.5	Pass
				10	3.85	0.022	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.191	-0.0005	-2.5 to 2.5	Pass
				40	3.85	5.140	0.0021	-2.5 to 2.5	Pass
				50	3.85	4.665	0.0019	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	3.764	0.0015	-2.5 to 2.5	Pass
					3.85	6.900	0.0027	-2.5 to 2.5	Pass
					4.43	4.992	0.0019	-2.5 to 2.5	Pass
				-30	3.85	5.033	0.0019	-2.5 to 2.5	Pass
				-20	3.85	6.958	0.0027	-2.5 to 2.5	Pass
				-10	3.85	0.822	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.989	0.0004	-2.5 to 2.5	Pass

				10	3.85	1.654	0.0006	-2.5 to 2.5	Pass
				30	3.85	7.188	0.0028	-2.5 to 2.5	Pass
				40	3.85	5.670	0.0022	-2.5 to 2.5	Pass
				50	3.85	0.921	0.0004	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	3.137	0.0012	-2.5 to 2.5	Pass
					3.85	4.688	0.0017	-2.5 to 2.5	Pass
					4.43	3.615	0.0013	-2.5 to 2.5	Pass
				-30	3.85	-2.632	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.899	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.295	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.996	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.262	-0.0008	-2.5 to 2.5	Pass
				30	3.85	2.979	0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.153	-0.0001	-2.5 to 2.5	Pass
				50	3.85	3.412	0.0013	-2.5 to 2.5	Pass

7. Frequency Stability

7.1 B5_1.4MHz

7.1.1 Test Result

Band: 5 / 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	824.7	6	0	20	3.27	-5.869	-0.0071	-2.5 to 2.5	Pass
					3.85	-3.781	-0.0046	-2.5 to 2.5	Pass
					4.43	-3.345	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.707	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-1.281	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.455	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.140	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.795	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.314	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-1.325	-0.0016	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	0.763	0.0009	-2.5 to 2.5	Pass
					3.85	2.291	0.0027	-2.5 to 2.5	Pass
					4.43	6.526	0.0078	-2.5 to 2.5	Pass
				-30	3.85	12.210	0.0146	-2.5 to 2.5	Pass
				-20	3.85	14.663	0.0175	-2.5 to 2.5	Pass
				-10	3.85	15.622	0.0187	-2.5 to 2.5	Pass
				0	3.85	9.729	0.0116	-2.5 to 2.5	Pass
				10	3.85	4.529	0.0054	-2.5 to 2.5	Pass
				30	3.85	1.853	0.0022	-2.5 to 2.5	Pass
				40	3.85	0.306	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.554	-0.0007	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	1.075	0.0013	-2.5 to 2.5	Pass
					3.85	-0.101	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.323	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.778	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-0.742	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.627	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.725	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-0.804	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.298	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.051	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.752	-0.0009	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-0.581	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.051	-0.0013	-2.5 to 2.5	Pass
					4.43	-0.631	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.778	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.510	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.822	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-1.291	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-0.241	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.769	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.063	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.708	-0.0009	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-0.223	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.485	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.328	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.071	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.232	-0.0003	-2.5 to 2.5	Pass

				-10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.206	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.833	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.648	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.922	-0.0023	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-0.749	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.391	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.698	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.560	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.125	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.218	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.050	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.707	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-1.213	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.198	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.052	-0.0001	-2.5 to 2.5	Pass

7.2 B5_3MHz

7.2.1 Test Result

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	2.638	0.0032	-2.5 to 2.5	Pass
					3.85	2.763	0.0033	-2.5 to 2.5	Pass
					4.43	3.743	0.0045	-2.5 to 2.5	Pass
				-30	3.85	2.898	0.0035	-2.5 to 2.5	Pass
				-20	3.85	3.257	0.0039	-2.5 to 2.5	Pass
				-10	3.85	2.542	0.0031	-2.5 to 2.5	Pass
				0	3.85	2.994	0.0036	-2.5 to 2.5	Pass
				10	3.85	2.966	0.0036	-2.5 to 2.5	Pass
				30	3.85	2.288	0.0028	-2.5 to 2.5	Pass
				40	3.85	2.331	0.0028	-2.5 to 2.5	Pass
				50	3.85	1.746	0.0021	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	0.203	0.0002	-2.5 to 2.5	Pass
					3.85	0.930	0.0011	-2.5 to 2.5	Pass
					4.43	1.384	0.0017	-2.5 to 2.5	Pass
				-30	3.85	1.991	0.0024	-2.5 to 2.5	Pass
				-20	3.85	1.251	0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.895	0.0023	-2.5 to 2.5	Pass
				0	3.85	1.401	0.0017	-2.5 to 2.5	Pass
				10	3.85	1.894	0.0023	-2.5 to 2.5	Pass
				30	3.85	2.861	0.0034	-2.5 to 2.5	Pass
				40	3.85	1.729	0.0021	-2.5 to 2.5	Pass
				50	3.85	2.935	0.0035	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	1.739	0.0021	-2.5 to 2.5	Pass
					3.85	1.825	0.0022	-2.5 to 2.5	Pass
					4.43	1.056	0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.011	0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.060	0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.705	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.603	0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.289	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.198	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.173	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.134	0.0002	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	0.605	0.0007	-2.5 to 2.5	Pass
					3.85	1.781	0.0022	-2.5 to 2.5	Pass
					4.43	1.329	0.0016	-2.5 to 2.5	Pass
				-30	3.85	1.944	0.0024	-2.5 to 2.5	Pass
				-20	3.85	2.483	0.0030	-2.5 to 2.5	Pass
				-10	3.85	1.691	0.0020	-2.5 to 2.5	Pass
				0	3.85	2.233	0.0027	-2.5 to 2.5	Pass
				10	3.85	2.402	0.0029	-2.5 to 2.5	Pass
				30	3.85	3.154	0.0038	-2.5 to 2.5	Pass
				40	3.85	3.511	0.0043	-2.5 to 2.5	Pass
				50	3.85	3.525	0.0043	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	3.001	0.0036	-2.5 to 2.5	Pass
					3.85	2.680	0.0032	-2.5 to 2.5	Pass
					4.43	3.125	0.0037	-2.5 to 2.5	Pass
				-30	3.85	3.477	0.0042	-2.5 to 2.5	Pass
				-20	3.85	2.200	0.0026	-2.5 to 2.5	Pass
				-10	3.85	2.419	0.0029	-2.5 to 2.5	Pass
				0	3.85	3.306	0.0040	-2.5 to 2.5	Pass

				10	3.85	2.319	0.0028	-2.5 to 2.5	Pass
				30	3.85	1.731	0.0021	-2.5 to 2.5	Pass
				40	3.85	1.307	0.0016	-2.5 to 2.5	Pass
				50	3.85	1.583	0.0019	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-0.399	-0.0005	-2.5 to 2.5	Pass
					3.85	0.405	0.0005	-2.5 to 2.5	Pass
					4.43	0.767	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.030	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.263	0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.104	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.965	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.203	0.0014	-2.5 to 2.5	Pass
				30	3.85	0.339	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.281	0.0015	-2.5 to 2.5	Pass
				50	3.85	0.602	0.0007	-2.5 to 2.5	Pass

7.3 B5_5MHz

7.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	0.309	0.0004	-2.5 to 2.5	Pass
					3.85	0.178	0.0002	-2.5 to 2.5	Pass
					4.43	0.153	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.031	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.891	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.220	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.469	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.283	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.270	-0.0003	-2.5 to 2.5	Pass
				50	3.85	1.346	0.0016	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	3.307	0.0040	-2.5 to 2.5	Pass
					3.85	2.546	0.0030	-2.5 to 2.5	Pass
					4.43	2.419	0.0029	-2.5 to 2.5	Pass
				-30	3.85	3.504	0.0042	-2.5 to 2.5	Pass
				-20	3.85	1.676	0.0020	-2.5 to 2.5	Pass
				-10	3.85	2.715	0.0032	-2.5 to 2.5	Pass
				0	3.85	0.903	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.546	0.0018	-2.5 to 2.5	Pass
				30	3.85	1.353	0.0016	-2.5 to 2.5	Pass
				40	3.85	0.767	0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.361	-0.0004	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	0.908	0.0011	-2.5 to 2.5	Pass
					3.85	0.542	0.0006	-2.5 to 2.5	Pass
					4.43	1.061	0.0013	-2.5 to 2.5	Pass
				-30	3.85	1.697	0.0020	-2.5 to 2.5	Pass
				-20	3.85	1.199	0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.933	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.763	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.127	0.0025	-2.5 to 2.5	Pass
				30	3.85	2.278	0.0027	-2.5 to 2.5	Pass
				40	3.85	3.122	0.0037	-2.5 to 2.5	Pass
				50	3.85	2.498	0.0030	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	2.011	0.0024	-2.5 to 2.5	Pass
					3.85	1.505	0.0018	-2.5 to 2.5	Pass
					4.43	1.912	0.0023	-2.5 to 2.5	Pass
				-30	3.85	2.036	0.0025	-2.5 to 2.5	Pass
				-20	3.85	1.820	0.0022	-2.5 to 2.5	Pass
				-10	3.85	1.307	0.0016	-2.5 to 2.5	Pass
				0	3.85	2.065	0.0025	-2.5 to 2.5	Pass
				10	3.85	2.698	0.0033	-2.5 to 2.5	Pass
				30	3.85	1.413	0.0017	-2.5 to 2.5	Pass
				40	3.85	1.165	0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.389	-0.0005	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	0.045	0.0001	-2.5 to 2.5	Pass
					3.85	0.003	0.0000	-2.5 to 2.5	Pass
					4.43	0.771	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.188	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.740	0.0021	-2.5 to 2.5	Pass

				-10	3.85	1.081	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.116	0.0013	-2.5 to 2.5	Pass
				10	3.85	1.071	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.805	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.800	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.461	0.0017	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	3.670	0.0043	-2.5 to 2.5	Pass
					3.85	4.333	0.0051	-2.5 to 2.5	Pass
					4.43	3.840	0.0045	-2.5 to 2.5	Pass
				-30	3.85	2.336	0.0028	-2.5 to 2.5	Pass
				-20	3.85	2.869	0.0034	-2.5 to 2.5	Pass
				-10	3.85	3.153	0.0037	-2.5 to 2.5	Pass
				0	3.85	1.761	0.0021	-2.5 to 2.5	Pass
				10	3.85	1.042	0.0012	-2.5 to 2.5	Pass
				30	3.85	0.925	0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.071	-0.0001	-2.5 to 2.5	Pass
				50	3.85	2.219	0.0026	-2.5 to 2.5	Pass

7.4 B5_10MHz

7.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	0.492	0.0006	-2.5 to 2.5	Pass
					3.85	0.411	0.0005	-2.5 to 2.5	Pass
					4.43	0.088	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.050	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.892	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.316	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.173	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.531	0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.301	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.601	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.567	-0.0007	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	0.857	0.0010	-2.5 to 2.5	Pass
					3.85	1.131	0.0014	-2.5 to 2.5	Pass
					4.43	1.645	0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.616	0.0019	-2.5 to 2.5	Pass
				-20	3.85	0.923	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.702	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.046	0.0013	-2.5 to 2.5	Pass
				10	3.85	0.538	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.412	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.732	0.0009	-2.5 to 2.5	Pass
				50	3.85	0.381	0.0005	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-0.182	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.088	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.165	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.771	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.981	0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.626	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.116	0.0013	-2.5 to 2.5	Pass
				10	3.85	1.324	0.0016	-2.5 to 2.5	Pass
				30	3.85	2.041	0.0024	-2.5 to 2.5	Pass
				40	3.85	1.714	0.0020	-2.5 to 2.5	Pass
				50	3.85	1.366	0.0016	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-0.896	-0.0011	-2.5 to 2.5	Pass
					3.85	0.025	0.0000	-2.5 to 2.5	Pass
					4.43	-0.147	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.441	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.082	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.214	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.101	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.470	0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.666	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.267	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.801	-0.0010	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	0.389	0.0005	-2.5 to 2.5	Pass
					3.85	0.996	0.0012	-2.5 to 2.5	Pass
					4.43	1.328	0.0016	-2.5 to 2.5	Pass
				-30	3.85	0.724	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.210	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.041	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.792	0.0009	-2.5 to 2.5	Pass

				10	3.85	0.390	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.408	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.441	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.253	0.0003	-2.5 to 2.5	Pass
	844	50	0	20	3.27	0.560	0.0007	-2.5 to 2.5	Pass
					3.85	2.265	0.0027	-2.5 to 2.5	Pass
					4.43	0.739	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.801	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.956	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.913	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.773	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.115	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.632	0.0007	-2.5 to 2.5	Pass
				40	3.85	0.688	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.835	0.0010	-2.5 to 2.5	Pass

8. Frequency Stability

8.1 B7_5MHz

8.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	3.153	0.0013	-2.5 to 2.5	Pass
					3.85	3.480	0.0014	-2.5 to 2.5	Pass
					4.43	2.838	0.0011	-2.5 to 2.5	Pass
				-30	3.85	2.252	0.0009	-2.5 to 2.5	Pass
				-20	3.85	3.175	0.0013	-2.5 to 2.5	Pass
				-10	3.85	3.702	0.0015	-2.5 to 2.5	Pass
				0	3.85	2.256	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.720	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.879	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.223	0.0009	-2.5 to 2.5	Pass
				50	3.85	3.858	0.0015	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-0.413	-0.0002	-2.5 to 2.5	Pass
					3.85	-2.552	-0.0010	-2.5 to 2.5	Pass
					4.43	-3.110	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.692	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.079	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.957	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-3.064	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.836	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-3.577	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.662	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.635	-0.0006	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	3.251	0.0013	-2.5 to 2.5	Pass
					3.85	2.481	0.0010	-2.5 to 2.5	Pass
					4.43	2.312	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.737	0.0003	-2.5 to 2.5	Pass
				-20	3.85	3.587	0.0014	-2.5 to 2.5	Pass
				-10	3.85	3.445	0.0013	-2.5 to 2.5	Pass
				0	3.85	2.080	0.0008	-2.5 to 2.5	Pass
				10	3.85	4.295	0.0017	-2.5 to 2.5	Pass
				30	3.85	4.247	0.0017	-2.5 to 2.5	Pass
				40	3.85	3.573	0.0014	-2.5 to 2.5	Pass
				50	3.85	3.597	0.0014	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	2.609	0.0010	-2.5 to 2.5	Pass
					3.85	4.559	0.0018	-2.5 to 2.5	Pass
					4.43	4.803	0.0019	-2.5 to 2.5	Pass
				-30	3.85	4.339	0.0017	-2.5 to 2.5	Pass
				-20	3.85	5.959	0.0024	-2.5 to 2.5	Pass
				-10	3.85	4.949	0.0020	-2.5 to 2.5	Pass
				0	3.85	6.796	0.0027	-2.5 to 2.5	Pass
				10	3.85	4.962	0.0020	-2.5 to 2.5	Pass
				30	3.85	7.013	0.0028	-2.5 to 2.5	Pass
				40	3.85	6.443	0.0026	-2.5 to 2.5	Pass
				50	3.85	5.735	0.0023	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-1.890	-0.0007	-2.5 to 2.5	Pass
					3.85	-3.739	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.727	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.569	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-3.877	-0.0015	-2.5 to 2.5	Pass

				-10	3.85	-1.965	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.630	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-3.768	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.414	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.536	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-4.140	-0.0016	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	0.787	0.0003	-2.5 to 2.5	Pass
					3.85	2.049	0.0008	-2.5 to 2.5	Pass
					4.43	2.857	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.417	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.208	-0.0005	-2.5 to 2.5	Pass
				0	3.85	0.046	0.0000	-2.5 to 2.5	Pass
				10	3.85	2.713	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.325	0.0009	-2.5 to 2.5	Pass
				40	3.85	0.779	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.688	0.0003	-2.5 to 2.5	Pass

8.2 B7_10MHz

8.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.27	-1.888	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.498	-0.0006	-2.5 to 2.5	Pass
					4.43	-2.058	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.914	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-3.423	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-3.046	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.716	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.319	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.981	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.963	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.611	-0.0010	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-1.231	-0.0005	-2.5 to 2.5	Pass
					3.85	-3.041	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.981	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-2.228	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.368	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.217	0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.178	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-3.494	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.423	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.553	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.250	-0.0001	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-3.789	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.070	-0.0008	-2.5 to 2.5	Pass
					4.43	-2.065	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.189	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.074	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-1.394	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-2.183	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-3.017	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.119	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.213	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.519	0.0002	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	-1.832	-0.0007	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0012	-2.5 to 2.5	Pass
					4.43	-1.648	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.304	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.454	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-3.781	-0.0015	-2.5 to 2.5	Pass
				0	3.85	0.494	0.0002	-2.5 to 2.5	Pass
				10	3.85	-2.915	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.616	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-3.278	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.320	-0.0005	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	0.727	0.0003	-2.5 to 2.5	Pass
					3.85	-1.437	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.810	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-3.553	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.230	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.786	0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.650	-0.0010	-2.5 to 2.5	Pass

				10	3.85	-0.153	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.351	0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.465	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-2.807	-0.0011	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-2.488	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.790	-0.0003	-2.5 to 2.5	Pass
					4.43	-1.916	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.946	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.244	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.696	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.864	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.943	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.646	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.785	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.702	-0.0007	-2.5 to 2.5	Pass

8.3 B7_15MHz

8.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.27	1.160	0.0005	-2.5 to 2.5	Pass
					3.85	-0.032	0.0000	-2.5 to 2.5	Pass
					4.43	3.667	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.175	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.493	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.871	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.218	0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.834	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.695	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.160	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.471	-0.0002	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-0.212	-0.0001	-2.5 to 2.5	Pass
					3.85	-1.124	-0.0004	-2.5 to 2.5	Pass
					4.43	-2.989	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.792	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.320	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.476	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-2.722	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-4.143	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.566	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-3.243	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.189	-0.0005	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	3.976	0.0016	-2.5 to 2.5	Pass
					3.85	1.294	0.0005	-2.5 to 2.5	Pass
					4.43	2.001	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.596	0.0006	-2.5 to 2.5	Pass
				-20	3.85	3.903	0.0015	-2.5 to 2.5	Pass
				-10	3.85	3.054	0.0012	-2.5 to 2.5	Pass
				0	3.85	4.013	0.0016	-2.5 to 2.5	Pass
				10	3.85	3.516	0.0014	-2.5 to 2.5	Pass
				30	3.85	3.178	0.0012	-2.5 to 2.5	Pass
				40	3.85	2.109	0.0008	-2.5 to 2.5	Pass
				50	3.85	3.129	0.0012	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	2.047	0.0008	-2.5 to 2.5	Pass
					3.85	-0.294	-0.0001	-2.5 to 2.5	Pass
					4.43	1.272	0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.010	0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.102	0.0008	-2.5 to 2.5	Pass
				-10	3.85	1.847	0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.436	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.472	0.0006	-2.5 to 2.5	Pass
				30	3.85	2.752	0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.333	-0.0001	-2.5 to 2.5	Pass
				50	3.85	1.944	0.0008	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-0.659	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.980	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.370	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.601	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-2.455	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.680	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.030	-0.0008	-2.5 to 2.5	Pass

				10	3.85	-2.220	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.832	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-2.438	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.284	-0.0001	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	1.702	0.0007	-2.5 to 2.5	Pass
					3.85	2.226	0.0009	-2.5 to 2.5	Pass
					4.43	3.728	0.0015	-2.5 to 2.5	Pass
				-30	3.85	3.553	0.0014	-2.5 to 2.5	Pass
				-20	3.85	3.585	0.0014	-2.5 to 2.5	Pass
				-10	3.85	3.031	0.0012	-2.5 to 2.5	Pass
				0	3.85	4.030	0.0016	-2.5 to 2.5	Pass
				10	3.85	1.404	0.0005	-2.5 to 2.5	Pass
				30	3.85	2.973	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.966	0.0008	-2.5 to 2.5	Pass
				50	3.85	3.935	0.0015	-2.5 to 2.5	Pass

8.4 B7_20MHz

8.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.27	3.650	0.0015	-2.5 to 2.5	Pass
					3.85	2.047	0.0008	-2.5 to 2.5	Pass
					4.43	-0.214	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	2.265	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.822	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.884	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.413	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.875	0.0003	-2.5 to 2.5	Pass
				30	3.85	2.061	0.0008	-2.5 to 2.5	Pass
				40	3.85	0.903	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.861	0.0003	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-3.774	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.532	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.947	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-4.817	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-0.862	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.013	0.0000	-2.5 to 2.5	Pass
				0	3.85	-1.674	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.051	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.026	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-2.152	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.772	-0.0011	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-0.561	-0.0002	-2.5 to 2.5	Pass
					3.85	2.723	0.0011	-2.5 to 2.5	Pass
					4.43	0.538	0.0002	-2.5 to 2.5	Pass
				-30	3.85	4.147	0.0016	-2.5 to 2.5	Pass
				-20	3.85	1.791	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.428	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.661	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.457	0.0010	-2.5 to 2.5	Pass
				30	3.85	3.064	0.0012	-2.5 to 2.5	Pass
				40	3.85	2.585	0.0010	-2.5 to 2.5	Pass
				50	3.85	2.819	0.0011	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	1.107	0.0004	-2.5 to 2.5	Pass
					3.85	2.530	0.0010	-2.5 to 2.5	Pass
					4.43	0.492	0.0002	-2.5 to 2.5	Pass
				-30	3.85	3.565	0.0014	-2.5 to 2.5	Pass
				-20	3.85	2.681	0.0011	-2.5 to 2.5	Pass
				-10	3.85	2.218	0.0009	-2.5 to 2.5	Pass
				0	3.85	3.225	0.0013	-2.5 to 2.5	Pass
				10	3.85	3.551	0.0014	-2.5 to 2.5	Pass
				30	3.85	0.503	0.0002	-2.5 to 2.5	Pass
				40	3.85	2.737	0.0011	-2.5 to 2.5	Pass
				50	3.85	2.875	0.0011	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-2.913	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.221	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.897	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.626	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-3.110	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-3.233	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.297	-0.0001	-2.5 to 2.5	Pass

				10	3.85	-2.661	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.931	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.474	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.395	-0.0002	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	0.221	0.0001	-2.5 to 2.5	Pass
					3.85	2.466	0.0010	-2.5 to 2.5	Pass
					4.43	0.487	0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.261	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.331	0.0001	-2.5 to 2.5	Pass
				-10	3.85	2.189	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.783	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.198	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.655	0.0003	-2.5 to 2.5	Pass
				50	3.85	1.494	0.0006	-2.5 to 2.5	Pass

- End of the Appendix -