

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	-27.595	-0.0149	-2.5 to 2.5	Pass
					3.85	-25.578	-0.0138	-2.5 to 2.5	Pass
					4.43	-30.055	-0.0162	-2.5 to 2.5	Pass
				-30	3.85	-35.863	-0.0194	-2.5 to 2.5	Pass
				-20	3.85	-38.252	-0.0207	-2.5 to 2.5	Pass
				-10	3.85	-33.746	-0.0182	-2.5 to 2.5	Pass
				0	3.85	-29.483	-0.0159	-2.5 to 2.5	Pass
				10	3.85	-23.289	-0.0126	-2.5 to 2.5	Pass
				30	3.85	-19.040	-0.0103	-2.5 to 2.5	Pass
				40	3.85	-15.192	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-12.932	-0.0070	-2.5 to 2.5	Pass
				1880	6	0	20	3.27	-27.394
	3.85	-22.573	-0.0120					-2.5 to 2.5	Pass
	4.43	-15.879	-0.0084					-2.5 to 2.5	Pass
	-30	3.85	-13.862				-0.0074	-2.5 to 2.5	Pass
	-20	3.85	-11.530				-0.0061	-2.5 to 2.5	Pass
	-10	3.85	-9.542				-0.0051	-2.5 to 2.5	Pass
	0	3.85	-10.686				-0.0057	-2.5 to 2.5	Pass
	10	3.85	-6.766				-0.0036	-2.5 to 2.5	Pass
	30	3.85	-7.210				-0.0038	-2.5 to 2.5	Pass
	40	3.85	-3.877				-0.0021	-2.5 to 2.5	Pass
	50	3.85	-6.623				-0.0035	-2.5 to 2.5	Pass
	1909.3	6	0				20	3.27	-0.429
				3.85	-1.216	-0.0006		-2.5 to 2.5	Pass
				4.43	-3.219	-0.0017		-2.5 to 2.5	Pass
				-30	3.85	-2.403	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-2.747	-0.0014	-2.5 to 2.5	Pass
-10				3.85	-2.089	-0.0011	-2.5 to 2.5	Pass	
0				3.85	-2.089	-0.0011	-2.5 to 2.5	Pass	
10				3.85	-0.501	-0.0003	-2.5 to 2.5	Pass	
30				3.85	-0.930	-0.0005	-2.5 to 2.5	Pass	
40				3.85	-1.502	-0.0008	-2.5 to 2.5	Pass	
50				3.85	-1.030	-0.0005	-2.5 to 2.5	Pass	
16QAM				1850.7	6	0	20	3.27	-10.715
	3.85	-6.924	-0.0037					-2.5 to 2.5	Pass
	4.43	-6.909	-0.0037					-2.5 to 2.5	Pass
	-30	3.85	-7.896				-0.0043	-2.5 to 2.5	Pass
	-20	3.85	-7.353				-0.0040	-2.5 to 2.5	Pass
	-10	3.85	-6.137				-0.0033	-2.5 to 2.5	Pass
	0	3.85	-7.267				-0.0039	-2.5 to 2.5	Pass
	10	3.85	-5.436				-0.0029	-2.5 to 2.5	Pass
	30	3.85	-3.347				-0.0018	-2.5 to 2.5	Pass
	40	3.85	-6.080				-0.0033	-2.5 to 2.5	Pass
	50	3.85	-4.406				-0.0024	-2.5 to 2.5	Pass
	1880	6	0				20	3.27	-6.094
				3.85	-5.736	-0.0031		-2.5 to 2.5	Pass
				4.43	-5.436	-0.0029		-2.5 to 2.5	Pass
					-30	3.85	-3.605	-0.0019	-2.5 to 2.5
				-20	3.85	-2.275	-0.0012	-2.5 to 2.5	Pass

	1909.3	6	0	-10	3.85	-5.007	-0.0027	-2.5 to 2.5	Pass	
				0	3.85	-5.136	-0.0027	-2.5 to 2.5	Pass	
				10	3.85	-2.847	-0.0015	-2.5 to 2.5	Pass	
				30	3.85	-5.608	-0.0030	-2.5 to 2.5	Pass	
				40	3.85	-8.669	-0.0046	-2.5 to 2.5	Pass	
				50	3.85	-6.094	-0.0032	-2.5 to 2.5	Pass	
		1909.3	6	0	20	3.27	-1.574	-0.0008	-2.5 to 2.5	Pass
						3.85	-2.732	-0.0014	-2.5 to 2.5	Pass
						4.43	-0.958	-0.0005	-2.5 to 2.5	Pass
					-30	3.85	-4.463	-0.0023	-2.5 to 2.5	Pass
					-20	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
					-10	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
					0	3.85	-0.987	-0.0005	-2.5 to 2.5	Pass
					10	3.85	-0.615	-0.0003	-2.5 to 2.5	Pass
					30	3.85	-2.475	-0.0013	-2.5 to 2.5	Pass
					40	3.85	-2.217	-0.0012	-2.5 to 2.5	Pass
					50	3.85	-2.575	-0.0013	-2.5 to 2.5	Pass

1.2 B2_3MHz

1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	1851.5	15	0	20	3.27	-6.881	-0.0037	-2.5 to 2.5	Pass			
					3.85	-6.680	-0.0036	-2.5 to 2.5	Pass			
					4.43	-8.397	-0.0045	-2.5 to 2.5	Pass			
				-30	3.85	-7.997	-0.0043	-2.5 to 2.5	Pass			
				-20	3.85	-8.183	-0.0044	-2.5 to 2.5	Pass			
				-10	3.85	-7.954	-0.0043	-2.5 to 2.5	Pass			
				0	3.85	-7.868	-0.0042	-2.5 to 2.5	Pass			
				10	3.85	-8.426	-0.0046	-2.5 to 2.5	Pass			
				30	3.85	-7.925	-0.0043	-2.5 to 2.5	Pass			
				40	3.85	-7.582	-0.0041	-2.5 to 2.5	Pass			
				50	3.85	-6.366	-0.0034	-2.5 to 2.5	Pass			
				1880	15	0	20	3.27	-8.411	-0.0045	-2.5 to 2.5	Pass
								3.85	-8.669	-0.0046	-2.5 to 2.5	Pass
								4.43	-8.082	-0.0043	-2.5 to 2.5	Pass
							-30	3.85	-7.753	-0.0041	-2.5 to 2.5	Pass
	-20	3.85	-8.583				-0.0046	-2.5 to 2.5	Pass			
	-10	3.85	-7.596				-0.0040	-2.5 to 2.5	Pass			
	0	3.85	-8.068				-0.0043	-2.5 to 2.5	Pass			
	10	3.85	-9.141				-0.0049	-2.5 to 2.5	Pass			
	30	3.85	-7.424				-0.0039	-2.5 to 2.5	Pass			
	40	3.85	-7.467				-0.0040	-2.5 to 2.5	Pass			
	50	3.85	-8.855				-0.0047	-2.5 to 2.5	Pass			
	1908.5	15	0				20	3.27	-3.905	-0.0020	-2.5 to 2.5	Pass
								3.85	-4.363	-0.0023	-2.5 to 2.5	Pass
								4.43	-3.805	-0.0020	-2.5 to 2.5	Pass
							-30	3.85	-3.819	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0017	-2.5 to 2.5	Pass			
				-10	3.85	-3.905	-0.0020	-2.5 to 2.5	Pass			
				0	3.85	-3.705	-0.0019	-2.5 to 2.5	Pass			
				10	3.85	-3.190	-0.0017	-2.5 to 2.5	Pass			
30				3.85	-3.748	-0.0020	-2.5 to 2.5	Pass				
40				3.85	-2.890	-0.0015	-2.5 to 2.5	Pass				

16QAM	1851.5	15	0	50	3.85	-4.277	-0.0022	-2.5 to 2.5	Pass
				20	3.27	-6.366	-0.0034	-2.5 to 2.5	Pass
					3.85	-6.766	-0.0037	-2.5 to 2.5	Pass
					4.43	-7.224	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-7.324	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-6.080	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-7.181	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-6.866	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-6.337	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-5.307	-0.0029	-2.5 to 2.5	Pass
	40	3.85	-5.965	-0.0032	-2.5 to 2.5	Pass			
	50	3.85	-7.567	-0.0041	-2.5 to 2.5	Pass			
	1880	15	0	20	3.27	-7.310	-0.0039	-2.5 to 2.5	Pass
					3.85	-8.655	-0.0046	-2.5 to 2.5	Pass
					4.43	-7.424	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-7.682	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-8.211	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-7.396	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-6.938	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-7.882	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-6.323	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-7.210	-0.0038	-2.5 to 2.5	Pass
	50	3.85	-7.095	-0.0038	-2.5 to 2.5	Pass			
	1908.5	15	0	20	3.27	-3.791	-0.0020	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0030	-2.5 to 2.5	Pass
					4.43	-5.951	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-5.093	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-4.563	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.048	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.663	-0.0024	-2.5 to 2.5	Pass
10				3.85	-4.392	-0.0023	-2.5 to 2.5	Pass	
30				3.85	-4.292	-0.0022	-2.5 to 2.5	Pass	
40				3.85	-5.550	-0.0029	-2.5 to 2.5	Pass	
50	3.85	-4.263	-0.0022	-2.5 to 2.5	Pass				

1.3 B2_5MHz

1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.27	-1.202	-0.0006	-2.5 to 2.5	Pass
					3.85	-3.018	-0.0016	-2.5 to 2.5	Pass
					4.43	-3.877	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-3.648	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.290	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.161	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-2.947	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.704	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-4.606	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-3.963	-0.0021	-2.5 to 2.5	Pass
	50	3.85	-3.147	-0.0017	-2.5 to 2.5	Pass			
	1880	25	0	20	3.27	-7.052	-0.0038	-2.5 to 2.5	Pass
					3.85	-7.510	-0.0040	-2.5 to 2.5	Pass
					4.43	-7.310	-0.0039	-2.5 to 2.5	Pass
-30				3.85	-7.782	-0.0041	-2.5 to 2.5	Pass	

				-20	3.85	-7.038	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-6.881	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-7.868	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-6.981	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-7.110	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-6.452	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-6.452	-0.0034	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	-0.944	-0.0005	-2.5 to 2.5	Pass
					3.85	-2.332	-0.0012	-2.5 to 2.5	Pass
					4.43	-1.974	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.831	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-3.419	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.832	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.646	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.174	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-2.275	-0.0012	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	-3.662	-0.0020	-2.5 to 2.5	Pass
					3.85	-4.306	-0.0023	-2.5 to 2.5	Pass
					4.43	-3.705	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-4.292	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-5.307	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-5.794	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-4.377	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-3.963	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-4.849	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-5.293	-0.0029	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	-7.038	-0.0037	-2.5 to 2.5	Pass
					3.85	-6.680	-0.0036	-2.5 to 2.5	Pass
					4.43	-6.366	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-6.695	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-6.137	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-5.350	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-5.908	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-5.665	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-5.507	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-5.350	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-5.894	-0.0031	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	-2.804	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.760	-0.0009	-2.5 to 2.5	Pass
					4.43	-3.591	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-2.975	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.819	-0.0020	-2.5 to 2.5	Pass
-10				3.85	-3.676	-0.0019	-2.5 to 2.5	Pass	
0				3.85	-3.247	-0.0017	-2.5 to 2.5	Pass	
10				3.85	-3.262	-0.0017	-2.5 to 2.5	Pass	
30				3.85	-3.247	-0.0017	-2.5 to 2.5	Pass	
40	3.85	-4.163	-0.0022	-2.5 to 2.5	Pass				
50	3.85	-4.163	-0.0022	-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	-3.161	-0.0017	-2.5 to 2.5	Pass
					3.85	-3.419	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.805	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-3.519	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.978	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-3.877	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.306	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-4.377	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-3.633	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-5.708	-0.0031	-2.5 to 2.5	Pass
	50	3.85	-3.490	-0.0019	-2.5 to 2.5	Pass			
	1880	50	0	20	3.27	-3.633	-0.0019	-2.5 to 2.5	Pass
					3.85	-3.190	-0.0017	-2.5 to 2.5	Pass
					4.43	-3.805	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-4.048	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-4.435	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-3.591	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.476	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.432	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.360	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-2.275	-0.0012	-2.5 to 2.5	Pass
	50	3.85	-2.875	-0.0015	-2.5 to 2.5	Pass			
	1905	50	0	20	3.27	1.059	0.0006	-2.5 to 2.5	Pass
					3.85	0.157	0.0001	-2.5 to 2.5	Pass
					4.43	-0.887	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.801	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
30				3.85	-1.345	-0.0007	-2.5 to 2.5	Pass	
40				3.85	0.515	0.0003	-2.5 to 2.5	Pass	
50	3.85	0.701	0.0004	-2.5 to 2.5	Pass				
16QAM	1855	50	0	20	3.27	-3.791	-0.0020	-2.5 to 2.5	Pass
					3.85	-2.832	-0.0015	-2.5 to 2.5	Pass
					4.43	-3.247	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-4.034	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-3.963	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-4.420	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-2.890	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-2.847	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-3.676	-0.0020	-2.5 to 2.5	Pass
	50	3.85	-3.648	-0.0020	-2.5 to 2.5	Pass			
	1880	50	0	20	3.27	-3.462	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.476	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.802	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.875	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-3.934	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-3.204	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-2.975	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-4.478	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-4.377	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-4.091	-0.0022	-2.5 to 2.5	Pass
	50	3.85	-3.462	-0.0018	-2.5 to 2.5	Pass			
1905	50	0	20	3.27	0.029	0.0000	-2.5 to 2.5	Pass	
				3.85	1.545	0.0008	-2.5 to 2.5	Pass	

					4.43	1.531	0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				10	3.85	1.359	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.174	0.0011	-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	-3.948	-0.0021	-2.5 to 2.5	Pass
					3.85	-4.005	-0.0022	-2.5 to 2.5	Pass
					4.43	-3.505	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-3.805	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-4.692	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-3.433	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.920	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.934	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-3.834	-0.0021	-2.5 to 2.5	Pass
	40	3.85	-5.150	-0.0028	-2.5 to 2.5	Pass			
	50	3.85	-4.621	-0.0025	-2.5 to 2.5	Pass			
	1880	75	0	20	3.27	-2.789	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0015	-2.5 to 2.5	Pass
					4.43	-3.991	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-4.663	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-3.633	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-3.276	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.347	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-4.106	-0.0022	-2.5 to 2.5	Pass
	40	3.85	-3.304	-0.0018	-2.5 to 2.5	Pass			
	50	3.85	-3.390	-0.0018	-2.5 to 2.5	Pass			
	1902.5	75	0	20	3.27	-4.506	-0.0024	-2.5 to 2.5	Pass
					3.85	-3.862	-0.0020	-2.5 to 2.5	Pass
					4.43	-3.376	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-3.633	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0023	-2.5 to 2.5	Pass
-10				3.85	-3.304	-0.0017	-2.5 to 2.5	Pass	
0				3.85	-3.061	-0.0016	-2.5 to 2.5	Pass	
10				3.85	-4.005	-0.0021	-2.5 to 2.5	Pass	
30				3.85	-4.492	-0.0024	-2.5 to 2.5	Pass	
40	3.85	-4.134	-0.0022	-2.5 to 2.5	Pass				
50	3.85	-2.217	-0.0012	-2.5 to 2.5	Pass				
16QAM	1857.5	75	0	20	3.27	-4.621	-0.0025	-2.5 to 2.5	Pass
					3.85	-3.376	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.875	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-4.864	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.021	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-4.420	-0.0024	-2.5 to 2.5	Pass
0	3.85	-3.433	-0.0018	-2.5 to 2.5	Pass				

	1880	75	0	10	3.85	-3.762	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-4.334	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-3.448	-0.0019	-2.5 to 2.5	Pass
				20	3.27	-3.705	-0.0020	-2.5 to 2.5	Pass
					3.85	-2.789	-0.0015	-2.5 to 2.5	Pass
					4.43	-3.963	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.804	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-3.591	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.146	-0.0011	-2.5 to 2.5	Pass
	0	3.85	-3.362	-0.0018	-2.5 to 2.5	Pass			
	10	3.85	-3.204	-0.0017	-2.5 to 2.5	Pass			
	30	3.85	-2.303	-0.0012	-2.5 to 2.5	Pass			
	40	3.85	-2.761	-0.0015	-2.5 to 2.5	Pass			
	50	3.85	-2.732	-0.0015	-2.5 to 2.5	Pass			
	1902.5	75	0	20	3.27	-3.119	-0.0016	-2.5 to 2.5	Pass
					3.85	-2.418	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.947	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.860	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.332	-0.0012	-2.5 to 2.5	Pass
-10				3.85	-1.702	-0.0009	-2.5 to 2.5	Pass	
0				3.85	-2.875	-0.0015	-2.5 to 2.5	Pass	
10				3.85	-2.518	-0.0013	-2.5 to 2.5	Pass	
30				3.85	-2.475	-0.0013	-2.5 to 2.5	Pass	
40				3.85	-2.503	-0.0013	-2.5 to 2.5	Pass	
50	3.85	-2.217	-0.0012	-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	0.086	0.0000	-2.5 to 2.5	Pass
					3.85	1.030	0.0006	-2.5 to 2.5	Pass
					4.43	2.031	0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.016	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.516	0.0008	-2.5 to 2.5	Pass
				10	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				30	3.85	1.502	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.173	0.0006	-2.5 to 2.5	Pass
	50	3.85	0.715	0.0004	-2.5 to 2.5	Pass			
	1880	100	0	20	3.27	-4.520	-0.0024	-2.5 to 2.5	Pass
					3.85	-3.791	-0.0020	-2.5 to 2.5	Pass
					4.43	-4.478	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.961	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.834	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.304	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.219	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.920	-0.0021	-2.5 to 2.5	Pass
	30	3.85	-2.890	-0.0015	-2.5 to 2.5	Pass			
40	3.85	-3.419	-0.0018	-2.5 to 2.5	Pass				
50	3.85	-1.945	-0.0010	-2.5 to 2.5	Pass				
1900	100	0	20	3.27	-2.818	-0.0015	-2.5 to 2.5	Pass	

					3.85	-3.161	-0.0017	-2.5 to 2.5	Pass	
					4.43	-2.317	-0.0012	-2.5 to 2.5	Pass	
					-30	3.85	-2.332	-0.0012	-2.5 to 2.5	Pass
					-20	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
					-10	3.85	-2.918	-0.0015	-2.5 to 2.5	Pass
					0	3.85	-3.161	-0.0017	-2.5 to 2.5	Pass
					10	3.85	-2.704	-0.0014	-2.5 to 2.5	Pass
					30	3.85	-2.818	-0.0015	-2.5 to 2.5	Pass
					40	3.85	-2.532	-0.0013	-2.5 to 2.5	Pass
50	3.85	-2.818	-0.0015	-2.5 to 2.5	Pass					
16QAM	1860	100	0	20	3.27	0.601	0.0003	-2.5 to 2.5	Pass	
					3.85	0.572	0.0003	-2.5 to 2.5	Pass	
					4.43	1.502	0.0008	-2.5 to 2.5	Pass	
				-30	3.85	0.601	0.0003	-2.5 to 2.5	Pass	
				-20	3.85	1.945	0.0010	-2.5 to 2.5	Pass	
				-10	3.85	1.373	0.0007	-2.5 to 2.5	Pass	
				0	3.85	1.731	0.0009	-2.5 to 2.5	Pass	
				10	3.85	0.558	0.0003	-2.5 to 2.5	Pass	
				30	3.85	0.687	0.0004	-2.5 to 2.5	Pass	
	40	3.85	0.801	0.0004	-2.5 to 2.5	Pass				
	50	3.85	1.287	0.0007	-2.5 to 2.5	Pass				
	1880	100	0	20	3.27	-3.848	-0.0020	-2.5 to 2.5	Pass	
					3.85	-2.904	-0.0015	-2.5 to 2.5	Pass	
					4.43	-1.659	-0.0009	-2.5 to 2.5	Pass	
				-30	3.85	-3.262	-0.0017	-2.5 to 2.5	Pass	
				-20	3.85	-3.748	-0.0020	-2.5 to 2.5	Pass	
				-10	3.85	-2.732	-0.0015	-2.5 to 2.5	Pass	
				0	3.85	-3.090	-0.0016	-2.5 to 2.5	Pass	
				10	3.85	-3.161	-0.0017	-2.5 to 2.5	Pass	
				30	3.85	-3.047	-0.0016	-2.5 to 2.5	Pass	
	40	3.85	-1.144	-0.0006	-2.5 to 2.5	Pass				
	50	3.85	-3.777	-0.0020	-2.5 to 2.5	Pass				
	1900	100	0	20	3.27	-2.704	-0.0014	-2.5 to 2.5	Pass	
					3.85	-1.917	-0.0010	-2.5 to 2.5	Pass	
					4.43	-2.732	-0.0014	-2.5 to 2.5	Pass	
				-30	3.85	-3.576	-0.0019	-2.5 to 2.5	Pass	
				-20	3.85	-3.362	-0.0018	-2.5 to 2.5	Pass	
-10				3.85	-1.860	-0.0010	-2.5 to 2.5	Pass		
0				3.85	-0.629	-0.0003	-2.5 to 2.5	Pass		
10				3.85	-2.174	-0.0011	-2.5 to 2.5	Pass		
30				3.85	-2.174	-0.0011	-2.5 to 2.5	Pass		
40	3.85	-3.891	-0.0020	-2.5 to 2.5	Pass					
50	3.85	-2.818	-0.0015	-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	-4.821	-0.0019	-2.5 to 2.5	Pass
							3.85	-3.762	-0.0015	-2.5 to 2.5	Pass
							4.43	-3.390	-0.0013	-2.5 to 2.5	Pass

				-30	3.85	5.994	0.0023	-2.5 to 2.5	Pass			
				-20	3.85	4.506	0.0018	-2.5 to 2.5	Pass			
				-10	3.85	5.150	0.0020	-2.5 to 2.5	Pass			
				0	3.85	4.907	0.0019	-2.5 to 2.5	Pass			
				10	3.85	-1.488	-0.0006	-2.5 to 2.5	Pass			
				30	3.85	4.478	0.0017	-2.5 to 2.5	Pass			
				40	3.85	6.609	0.0026	-2.5 to 2.5	Pass			
				50	3.85	-3.333	-0.0013	-2.5 to 2.5	Pass			
				2595	25	0	20	3.27	-6.409	-0.0025	-2.5 to 2.5	Pass
								3.85	-6.051	-0.0023	-2.5 to 2.5	Pass
	4.43	-5.465	-0.0021					-2.5 to 2.5	Pass			
	-30	3.85	-0.873				-0.0003	-2.5 to 2.5	Pass			
	-20	3.85	0.772				0.0003	-2.5 to 2.5	Pass			
	-10	3.85	0.300				0.0001	-2.5 to 2.5	Pass			
	0	3.85	1.101				0.0004	-2.5 to 2.5	Pass			
	10	3.85	-4.120				-0.0016	-2.5 to 2.5	Pass			
	30	3.85	0.486				0.0002	-2.5 to 2.5	Pass			
	40	3.85	0.544				0.0002	-2.5 to 2.5	Pass			
	50	3.85	-4.420	-0.0017	-2.5 to 2.5	Pass						
	2617.5	25	0	20	3.27	6.480	0.0025	-2.5 to 2.5	Pass			
					3.85	6.366	0.0024	-2.5 to 2.5	Pass			
					4.43	4.692	0.0018	-2.5 to 2.5	Pass			
				-30	3.85	2.646	0.0010	-2.5 to 2.5	Pass			
				-20	3.85	5.322	0.0020	-2.5 to 2.5	Pass			
				-10	3.85	-2.460	-0.0009	-2.5 to 2.5	Pass			
				0	3.85	6.895	0.0026	-2.5 to 2.5	Pass			
				10	3.85	6.523	0.0025	-2.5 to 2.5	Pass			
				30	3.85	7.668	0.0029	-2.5 to 2.5	Pass			
				40	3.85	0.129	0.0000	-2.5 to 2.5	Pass			
	50	3.85	5.708	0.0022	-2.5 to 2.5	Pass						
16QAM	2572.5	25	0	20	3.27	-2.289	-0.0009	-2.5 to 2.5	Pass			
					3.85	-2.518	-0.0010	-2.5 to 2.5	Pass			
					4.43	-2.160	-0.0008	-2.5 to 2.5	Pass			
				-30	3.85	-2.847	-0.0011	-2.5 to 2.5	Pass			
				-20	3.85	4.578	0.0018	-2.5 to 2.5	Pass			
				-10	3.85	-3.977	-0.0015	-2.5 to 2.5	Pass			
				0	3.85	-2.260	-0.0009	-2.5 to 2.5	Pass			
				10	3.85	-1.216	-0.0005	-2.5 to 2.5	Pass			
				30	3.85	4.764	0.0019	-2.5 to 2.5	Pass			
				40	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass			
	50	3.85	3.891	0.0015	-2.5 to 2.5	Pass						
	2595	25	0	20	3.27	2.546	0.0010	-2.5 to 2.5	Pass			
					3.85	0.801	0.0003	-2.5 to 2.5	Pass			
					4.43	2.203	0.0008	-2.5 to 2.5	Pass			
				-30	3.85	1.545	0.0006	-2.5 to 2.5	Pass			
				-20	3.85	-2.031	-0.0008	-2.5 to 2.5	Pass			
				-10	3.85	-1.988	-0.0008	-2.5 to 2.5	Pass			
				0	3.85	2.174	0.0008	-2.5 to 2.5	Pass			
				10	3.85	3.104	0.0012	-2.5 to 2.5	Pass			
				30	3.85	-4.649	-0.0018	-2.5 to 2.5	Pass			
				40	3.85	-4.592	-0.0018	-2.5 to 2.5	Pass			
	50	3.85	-5.078	-0.0020	-2.5 to 2.5	Pass						
	2617.5	25	0	20	3.27	-0.343	-0.0001	-2.5 to 2.5	Pass			
					3.85	5.136	0.0020	-2.5 to 2.5	Pass			
					4.43	-0.973	-0.0004	-2.5 to 2.5	Pass			
				-30	3.85	0.200	0.0001	-2.5 to 2.5	Pass			
				-20	3.85	5.665	0.0022	-2.5 to 2.5	Pass			
				-10	3.85	-0.329	-0.0001	-2.5 to 2.5	Pass			
				0	3.85	6.809	0.0026	-2.5 to 2.5	Pass			

				10	3.85	-2.804	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.531	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.114	0.0000	-2.5 to 2.5	Pass
				50	3.85	9.198	0.0035	-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	3.176	0.0012	-2.5 to 2.5	Pass
					3.85	2.475	0.0010	-2.5 to 2.5	Pass
					4.43	8.311	0.0032	-2.5 to 2.5	Pass
				-30	3.85	1.745	0.0007	-2.5 to 2.5	Pass
				-20	3.85	6.824	0.0027	-2.5 to 2.5	Pass
				-10	3.85	9.284	0.0036	-2.5 to 2.5	Pass
				0	3.85	2.804	0.0011	-2.5 to 2.5	Pass
				10	3.85	6.881	0.0027	-2.5 to 2.5	Pass
				30	3.85	1.802	0.0007	-2.5 to 2.5	Pass
				40	3.85	2.604	0.0010	-2.5 to 2.5	Pass
	50	3.85	0.873	0.0003	-2.5 to 2.5	Pass			
	2595	50	0	20	3.27	-3.018	-0.0012	-2.5 to 2.5	Pass
					3.85	2.346	0.0009	-2.5 to 2.5	Pass
					4.43	-3.819	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-4.878	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	3.991	0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.734	-0.0014	-2.5 to 2.5	Pass
				30	3.85	4.320	0.0017	-2.5 to 2.5	Pass
				40	3.85	6.166	0.0024	-2.5 to 2.5	Pass
	50	3.85	-1.259	-0.0005	-2.5 to 2.5	Pass			
	2615	50	0	20	3.27	11.415	0.0044	-2.5 to 2.5	Pass
					3.85	13.375	0.0051	-2.5 to 2.5	Pass
					4.43	4.420	0.0017	-2.5 to 2.5	Pass
				-30	3.85	6.266	0.0024	-2.5 to 2.5	Pass
				-20	3.85	9.413	0.0036	-2.5 to 2.5	Pass
				-10	3.85	4.320	0.0017	-2.5 to 2.5	Pass
				0	3.85	3.891	0.0015	-2.5 to 2.5	Pass
				10	3.85	4.306	0.0016	-2.5 to 2.5	Pass
30				3.85	3.591	0.0014	-2.5 to 2.5	Pass	
40				3.85	11.559	0.0044	-2.5 to 2.5	Pass	
50	3.85	5.822	0.0022	-2.5 to 2.5	Pass				
16QAM	2575	50	0	20	3.27	8.998	0.0035	-2.5 to 2.5	Pass
					3.85	8.612	0.0033	-2.5 to 2.5	Pass
					4.43	4.306	0.0017	-2.5 to 2.5	Pass
				-30	3.85	2.217	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.844	0.0003	-2.5 to 2.5	Pass
				-10	3.85	10.815	0.0042	-2.5 to 2.5	Pass
				0	3.85	4.277	0.0017	-2.5 to 2.5	Pass
				10	3.85	8.240	0.0032	-2.5 to 2.5	Pass
				30	3.85	0.744	0.0003	-2.5 to 2.5	Pass
				40	3.85	4.678	0.0018	-2.5 to 2.5	Pass
	50	3.85	4.163	0.0016	-2.5 to 2.5	Pass			
	2595	50	0	20	3.27	1.173	0.0005	-2.5 to 2.5	Pass

					3.85	1.745	0.0007	-2.5 to 2.5	Pass	
					4.43	3.934	0.0015	-2.5 to 2.5	Pass	
				-30	3.85	-1.216	-0.0005	-2.5 to 2.5	Pass	
				-20	3.85	1.130	0.0004	-2.5 to 2.5	Pass	
				-10	3.85	4.907	0.0019	-2.5 to 2.5	Pass	
				0	3.85	-2.604	-0.0010	-2.5 to 2.5	Pass	
				10	3.85	-4.120	-0.0016	-2.5 to 2.5	Pass	
				30	3.85	-2.289	-0.0009	-2.5 to 2.5	Pass	
				40	3.85	-2.589	-0.0010	-2.5 to 2.5	Pass	
	50	3.85	-4.163	-0.0016	-2.5 to 2.5	Pass				
	2615	50	0	20		3.27	3.319	0.0013	-2.5 to 2.5	Pass
						3.85	13.175	0.0050	-2.5 to 2.5	Pass
						4.43	3.963	0.0015	-2.5 to 2.5	Pass
				-30	3.85	12.031	0.0046	-2.5 to 2.5	Pass	
				-20	3.85	12.031	0.0046	-2.5 to 2.5	Pass	
				-10	3.85	4.992	0.0019	-2.5 to 2.5	Pass	
				0	3.85	10.729	0.0041	-2.5 to 2.5	Pass	
				10	3.85	9.270	0.0035	-2.5 to 2.5	Pass	
				30	3.85	13.418	0.0051	-2.5 to 2.5	Pass	
40	3.85	8.955	0.0034	-2.5 to 2.5	Pass					
50	3.85	15.464	0.0059	-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	5.851	0.0023	-2.5 to 2.5	Pass
						3.85	9.613	0.0037	-2.5 to 2.5	Pass
						4.43	9.499	0.0037	-2.5 to 2.5	Pass
				-30	3.85	3.433	0.0013	-2.5 to 2.5	Pass	
				-20	3.85	12.331	0.0048	-2.5 to 2.5	Pass	
				-10	3.85	1.574	0.0006	-2.5 to 2.5	Pass	
				0	3.85	6.094	0.0024	-2.5 to 2.5	Pass	
				10	3.85	10.815	0.0042	-2.5 to 2.5	Pass	
				30	3.85	7.238	0.0028	-2.5 to 2.5	Pass	
	40	3.85	5.879	0.0023	-2.5 to 2.5	Pass				
	50	3.85	5.150	0.0020	-2.5 to 2.5	Pass				
	2595	75	0	20		3.27	6.437	0.0025	-2.5 to 2.5	Pass
						3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
						4.43	-4.077	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	5.007	0.0019	-2.5 to 2.5	Pass	
				-20	3.85	3.619	0.0014	-2.5 to 2.5	Pass	
				-10	3.85	5.221	0.0020	-2.5 to 2.5	Pass	
				0	3.85	5.293	0.0020	-2.5 to 2.5	Pass	
				10	3.85	0.358	0.0001	-2.5 to 2.5	Pass	
				30	3.85	-1.359	-0.0005	-2.5 to 2.5	Pass	
	40	3.85	5.064	0.0020	-2.5 to 2.5	Pass				
	50	3.85	4.220	0.0016	-2.5 to 2.5	Pass				
	2612.5	75	0	20		3.27	3.390	0.0013	-2.5 to 2.5	Pass
						3.85	4.706	0.0018	-2.5 to 2.5	Pass
						4.43	3.862	0.0015	-2.5 to 2.5	Pass
				-30	3.85	2.246	0.0009	-2.5 to 2.5	Pass	
				-20	3.85	10.014	0.0038	-2.5 to 2.5	Pass	
-10	3.85	2.389	0.0009	-2.5 to 2.5	Pass					

				0	3.85	3.247	0.0012	-2.5 to 2.5	Pass
				10	3.85	3.862	0.0015	-2.5 to 2.5	Pass
				30	3.85	12.517	0.0048	-2.5 to 2.5	Pass
				40	3.85	3.533	0.0014	-2.5 to 2.5	Pass
				50	3.85	3.276	0.0013	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.27	11.988	0.0047	-2.5 to 2.5	Pass
					3.85	2.546	0.0010	-2.5 to 2.5	Pass
					4.43	7.367	0.0029	-2.5 to 2.5	Pass
				-30	3.85	1.974	0.0008	-2.5 to 2.5	Pass
				-20	3.85	10.400	0.0040	-2.5 to 2.5	Pass
				-10	3.85	2.303	0.0009	-2.5 to 2.5	Pass
				0	3.85	16.909	0.0066	-2.5 to 2.5	Pass
				10	3.85	0.887	0.0003	-2.5 to 2.5	Pass
				30	3.85	3.004	0.0012	-2.5 to 2.5	Pass
				40	3.85	10.901	0.0042	-2.5 to 2.5	Pass
	50	3.85	9.770	0.0038	-2.5 to 2.5	Pass			
	2595	75	0	20	3.27	8.240	0.0032	-2.5 to 2.5	Pass
					3.85	0.172	0.0001	-2.5 to 2.5	Pass
					4.43	-2.589	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.459	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	7.238	0.0028	-2.5 to 2.5	Pass
				0	3.85	5.093	0.0020	-2.5 to 2.5	Pass
				10	3.85	-0.901	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0004	-2.5 to 2.5	Pass
	50	3.85	2.875	0.0011	-2.5 to 2.5	Pass			
	2612.5	75	0	20	3.27	3.777	0.0014	-2.5 to 2.5	Pass
					3.85	12.417	0.0048	-2.5 to 2.5	Pass
					4.43	11.230	0.0043	-2.5 to 2.5	Pass
				-30	3.85	9.098	0.0035	-2.5 to 2.5	Pass
				-20	3.85	3.948	0.0015	-2.5 to 2.5	Pass
				-10	3.85	11.959	0.0046	-2.5 to 2.5	Pass
				0	3.85	4.148	0.0016	-2.5 to 2.5	Pass
				10	3.85	2.060	0.0008	-2.5 to 2.5	Pass
30				3.85	4.306	0.0016	-2.5 to 2.5	Pass	
40				3.85	12.674	0.0049	-2.5 to 2.5	Pass	
50	3.85	5.851	0.0022	-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	6.666	0.0026	-2.5 to 2.5	Pass
					3.85	1.931	0.0007	-2.5 to 2.5	Pass
					4.43	-0.544	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.917	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.874	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0003	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0007	-2.5 to 2.5	Pass
				10	3.85	2.389	0.0009	-2.5 to 2.5	Pass
				30	3.85	5.865	0.0023	-2.5 to 2.5	Pass
				40	3.85	-0.844	-0.0003	-2.5 to 2.5	Pass
50	3.85	1.616	0.0006	-2.5 to 2.5	Pass				

	2595	100	0	20	3.27	5.479	0.0021	-2.5 to 2.5	Pass				
					3.85	7.195	0.0028	-2.5 to 2.5	Pass				
					4.43	4.206	0.0016	-2.5 to 2.5	Pass				
				-30	3.85	-0.730	-0.0003	-2.5 to 2.5	Pass				
					-20	3.85	7.668	0.0030	-2.5 to 2.5	Pass			
					-10	3.85	3.462	0.0013	-2.5 to 2.5	Pass			
				2610	100	0	0	3.85	0.186	0.0001	-2.5 to 2.5	Pass	
								10	3.85	2.618	0.0010	-2.5 to 2.5	Pass
								30	3.85	2.975	0.0011	-2.5 to 2.5	Pass
	40	3.85	7.439				0.0029	-2.5 to 2.5	Pass				
		50	3.85				7.453	0.0029	-2.5 to 2.5	Pass			
			3.27				5.651	0.0022	-2.5 to 2.5	Pass			
	20	3.85	3.905				0.0015	-2.5 to 2.5	Pass				
		4.43	-0.129				0.0000	-2.5 to 2.5	Pass				
		-30	3.85	-1.187	-0.0005	-2.5 to 2.5	Pass						
	2580	100	0	-20	3.85	2.890	0.0011	-2.5 to 2.5	Pass				
					-10	3.85	0.587	0.0002	-2.5 to 2.5	Pass			
					0	3.85	-0.844	-0.0003	-2.5 to 2.5	Pass			
				10	3.85	3.920	0.0015	-2.5 to 2.5	Pass				
					30	3.85	4.749	0.0018	-2.5 to 2.5	Pass			
					40	3.85	-2.160	-0.0008	-2.5 to 2.5	Pass			
				50	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass				
					3.27	4.950	0.0019	-2.5 to 2.5	Pass				
	16QAM	2580	100	0	20	3.85	1.173	0.0005	-2.5 to 2.5	Pass			
4.43						0.515	0.0002	-2.5 to 2.5	Pass				
-30						3.85	1.545	0.0006	-2.5 to 2.5	Pass			
-20					3.85	4.978	0.0019	-2.5 to 2.5	Pass				
					-10	3.85	-0.901	-0.0003	-2.5 to 2.5	Pass			
					0	3.85	4.649	0.0018	-2.5 to 2.5	Pass			
2595					100	0	10	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass	
								30	3.85	3.533	0.0014	-2.5 to 2.5	Pass
								40	3.85	5.836	0.0023	-2.5 to 2.5	Pass
		50	3.85	-2.947			-0.0011	-2.5 to 2.5	Pass				
			3.27	6.037			0.0023	-2.5 to 2.5	Pass				
		20	3.85	7.195			0.0028	-2.5 to 2.5	Pass				
			4.43	6.151			0.0024	-2.5 to 2.5	Pass				
			-30	3.85			1.059	0.0004	-2.5 to 2.5	Pass			
2610		100	0	-20	3.85	-0.658	-0.0003	-2.5 to 2.5	Pass				
					-10	3.85	7.668	0.0030	-2.5 to 2.5	Pass			
					0	3.85	6.037	0.0023	-2.5 to 2.5	Pass			
				10	3.85	-1.230	-0.0005	-2.5 to 2.5	Pass				
					30	3.85	-2.017	-0.0008	-2.5 to 2.5	Pass			
					40	3.85	7.696	0.0030	-2.5 to 2.5	Pass			
				50	3.85	0.758	0.0003	-2.5 to 2.5	Pass				
					3.27	9.298	0.0036	-2.5 to 2.5	Pass				
20		3.85	4.692	0.0018	-2.5 to 2.5	Pass							
		4.43	0.343	0.0001	-2.5 to 2.5	Pass							
	-30	3.85	-1.674	-0.0006	-2.5 to 2.5	Pass							
2595	100	0	-20	3.85	6.566	0.0025	-2.5 to 2.5	Pass					
				-10	3.85	0.887	0.0003	-2.5 to 2.5	Pass				
				0	3.85	7.768	0.0030	-2.5 to 2.5	Pass				
			10	3.85	3.176	0.0012	-2.5 to 2.5	Pass					
				30	3.85	0.072	0.0000	-2.5 to 2.5	Pass				
				40	3.85	3.233	0.0012	-2.5 to 2.5	Pass				
			50	3.85	6.051	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	-8.283	-0.0048	-2.5 to 2.5	Pass
					3.85	-6.108	-0.0036	-2.5 to 2.5	Pass
					4.43	-7.238	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-9.441	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-9.141	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-9.270	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-9.813	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-10.901	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-7.310	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-6.981	-0.0041	-2.5 to 2.5	Pass
	50	3.85	-6.480	-0.0038	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	10.400	0.0060	-2.5 to 2.5	Pass
					3.85	12.116	0.0070	-2.5 to 2.5	Pass
					4.43	11.201	0.0065	-2.5 to 2.5	Pass
				-30	3.85	15.864	0.0092	-2.5 to 2.5	Pass
				-20	3.85	13.719	0.0079	-2.5 to 2.5	Pass
				-10	3.85	12.689	0.0073	-2.5 to 2.5	Pass
				0	3.85	12.217	0.0071	-2.5 to 2.5	Pass
				10	3.85	11.430	0.0066	-2.5 to 2.5	Pass
				30	3.85	8.655	0.0050	-2.5 to 2.5	Pass
				40	3.85	8.998	0.0052	-2.5 to 2.5	Pass
	50	3.85	6.952	0.0040	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	6.151	0.0035	-2.5 to 2.5	Pass
					3.85	8.140	0.0046	-2.5 to 2.5	Pass
					4.43	7.567	0.0043	-2.5 to 2.5	Pass
				-30	3.85	8.841	0.0050	-2.5 to 2.5	Pass
				-20	3.85	8.526	0.0049	-2.5 to 2.5	Pass
				-10	3.85	12.445	0.0071	-2.5 to 2.5	Pass
				0	3.85	11.315	0.0064	-2.5 to 2.5	Pass
				10	3.85	9.899	0.0056	-2.5 to 2.5	Pass
30				3.85	8.898	0.0051	-2.5 to 2.5	Pass	
40				3.85	9.999	0.0057	-2.5 to 2.5	Pass	
50	3.85	7.939	0.0045	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	-8.240	-0.0048	-2.5 to 2.5	Pass
					3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-6.638	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-5.078	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-3.548	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-3.748	-0.0022	-2.5 to 2.5	Pass
	50	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	6.008	0.0035	-2.5 to 2.5	Pass
					3.85	4.935	0.0028	-2.5 to 2.5	Pass
					4.43	3.433	0.0020	-2.5 to 2.5	Pass
				-30	3.85	2.089	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.903	0.0011	-2.5 to 2.5	Pass

				10	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.987	0.0006	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	7.982	0.0045	-2.5 to 2.5	Pass
					3.85	6.223	0.0035	-2.5 to 2.5	Pass
					4.43	5.550	0.0032	-2.5 to 2.5	Pass
				-30	3.85	4.077	0.0023	-2.5 to 2.5	Pass
				-20	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				-10	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				0	3.85	2.561	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				30	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				40	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.615	-0.0004	-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	2.546	0.0015	-2.5 to 2.5	Pass
					3.85	1.903	0.0011	-2.5 to 2.5	Pass
					4.43	0.916	0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.503	0.0015	-2.5 to 2.5	Pass
				0	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				10	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.988	0.0012	-2.5 to 2.5	Pass
	50	3.85	0.916	0.0005	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.27	2.246	0.0013	-2.5 to 2.5	Pass
					3.85	1.645	0.0009	-2.5 to 2.5	Pass
					4.43	1.373	0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.518	0.0015	-2.5 to 2.5	Pass
				-20	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				10	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				40	3.85	3.219	0.0019	-2.5 to 2.5	Pass
	50	3.85	2.332	0.0013	-2.5 to 2.5	Pass			
	1753.5	15	0	20	3.27	2.360	0.0013	-2.5 to 2.5	Pass
					3.85	2.275	0.0013	-2.5 to 2.5	Pass
					4.43	2.203	0.0013	-2.5 to 2.5	Pass
				-30	3.85	2.375	0.0014	-2.5 to 2.5	Pass
				-20	3.85	2.089	0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				0	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				10	3.85	1.717	0.0010	-2.5 to 2.5	Pass
30				3.85	1.545	0.0009	-2.5 to 2.5	Pass	
40				3.85	1.473	0.0008	-2.5 to 2.5	Pass	
50	3.85	0.887	0.0005	-2.5 to 2.5	Pass				
16QAM	1711.5	15	0	20	3.27	1.874	0.0011	-2.5 to 2.5	Pass

					3.85	0.772	0.0005	-2.5 to 2.5	Pass
					4.43	1.788	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				-20	3.85	2.561	0.0015	-2.5 to 2.5	Pass
				-10	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.332	0.0014	-2.5 to 2.5	Pass
				40	3.85	2.546	0.0015	-2.5 to 2.5	Pass
				50	3.85	3.090	0.0018	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	2.289	0.0013	-2.5 to 2.5	Pass
					3.85	2.303	0.0013	-2.5 to 2.5	Pass
					4.43	1.574	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				0	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				10	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.174	0.0013	-2.5 to 2.5	Pass
				40	3.85	2.146	0.0012	-2.5 to 2.5	Pass
	50	3.85	2.389	0.0014	-2.5 to 2.5	Pass			
	1753.5	15	0	20	3.27	1.345	0.0008	-2.5 to 2.5	Pass
					3.85	0.601	0.0003	-2.5 to 2.5	Pass
					4.43	0.300	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.486	0.0003	-2.5 to 2.5	Pass
10				3.85	0.458	0.0003	-2.5 to 2.5	Pass	
30				3.85	1.030	0.0006	-2.5 to 2.5	Pass	
40				3.85	-0.458	-0.0003	-2.5 to 2.5	Pass	
50	3.85	1.144	0.0007	-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	2.017	0.0012	-2.5 to 2.5	Pass
					3.85	2.689	0.0016	-2.5 to 2.5	Pass
					4.43	2.975	0.0017	-2.5 to 2.5	Pass
				-30	3.85	2.661	0.0016	-2.5 to 2.5	Pass
				-20	3.85	3.219	0.0019	-2.5 to 2.5	Pass
				-10	3.85	3.262	0.0019	-2.5 to 2.5	Pass
				0	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				10	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				30	3.85	3.347	0.0020	-2.5 to 2.5	Pass
				40	3.85	3.877	0.0023	-2.5 to 2.5	Pass
	50	3.85	3.576	0.0021	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.27	1.588	0.0009	-2.5 to 2.5	Pass
					3.85	1.731	0.0010	-2.5 to 2.5	Pass
					4.43	1.516	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				-20	3.85	2.532	0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.674	0.0010	-2.5 to 2.5	Pass

				0	3.85	0.801	0.0005	-2.5 to 2.5	Pass				
				10	3.85	1.016	0.0006	-2.5 to 2.5	Pass				
				30	3.85	1.144	0.0007	-2.5 to 2.5	Pass				
				40	3.85	0.358	0.0002	-2.5 to 2.5	Pass				
				50	3.85	1.588	0.0009	-2.5 to 2.5	Pass				
	1752.5	25	0	20	3.27	-1.931	-0.0011	-2.5 to 2.5	Pass				
					3.85	-2.146	-0.0012	-2.5 to 2.5	Pass				
					4.43	-2.103	-0.0012	-2.5 to 2.5	Pass				
				-30	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass				
				-20	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass				
				-10	3.85	-1.302	-0.0007	-2.5 to 2.5	Pass				
				0	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass				
				10	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass				
				30	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass				
				40	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass				
				50	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass				
				16QAM	1712.5	25	0	20	3.27	3.662	0.0021	-2.5 to 2.5	Pass
									3.85	3.519	0.0021	-2.5 to 2.5	Pass
									4.43	5.808	0.0034	-2.5 to 2.5	Pass
-30	3.85	4.892	0.0029					-2.5 to 2.5	Pass				
-20	3.85	4.907	0.0029					-2.5 to 2.5	Pass				
-10	3.85	4.663	0.0027					-2.5 to 2.5	Pass				
0	3.85	5.035	0.0029					-2.5 to 2.5	Pass				
10	3.85	4.935	0.0029					-2.5 to 2.5	Pass				
30	3.85	3.419	0.0020					-2.5 to 2.5	Pass				
40	3.85	2.918	0.0017					-2.5 to 2.5	Pass				
50	3.85	3.376	0.0020					-2.5 to 2.5	Pass				
1732.5	25	0	20					3.27	1.473	0.0009	-2.5 to 2.5	Pass	
								3.85	0.458	0.0003	-2.5 to 2.5	Pass	
					4.43	1.187	0.0007	-2.5 to 2.5	Pass				
			-30		3.85	0.486	0.0003	-2.5 to 2.5	Pass				
			-20		3.85	1.287	0.0007	-2.5 to 2.5	Pass				
			-10		3.85	0.486	0.0003	-2.5 to 2.5	Pass				
			0		3.85	0.615	0.0004	-2.5 to 2.5	Pass				
			10		3.85	1.717	0.0010	-2.5 to 2.5	Pass				
			30		3.85	1.945	0.0011	-2.5 to 2.5	Pass				
			40		3.85	0.401	0.0002	-2.5 to 2.5	Pass				
			50		3.85	0.329	0.0002	-2.5 to 2.5	Pass				
			1752.5		25	0	20	3.27	-1.373	-0.0008	-2.5 to 2.5	Pass	
3.85	-0.644	-0.0004						-2.5 to 2.5	Pass				
4.43	-1.431	-0.0008						-2.5 to 2.5	Pass				
-30	3.85	-1.044					-0.0006	-2.5 to 2.5	Pass				
-20	3.85	-1.574					-0.0009	-2.5 to 2.5	Pass				
-10	3.85	-1.345					-0.0008	-2.5 to 2.5	Pass				
0	3.85	-1.259		-0.0007			-2.5 to 2.5	Pass					
10	3.85	-0.772		-0.0004			-2.5 to 2.5	Pass					
30	3.85	-1.788		-0.0010			-2.5 to 2.5	Pass					
40	3.85	-0.887		-0.0005			-2.5 to 2.5	Pass					
50	3.85	-1.431		-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	-0.815	-0.0005	-2.5 to 2.5	Pass
					3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
	40	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass			
	50	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.27	1.974	0.0011	-2.5 to 2.5	Pass
					3.85	1.731	0.0010	-2.5 to 2.5	Pass
					4.43	1.616	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.545	0.0009	-2.5 to 2.5	Pass
	40	3.85	0.129	0.0001	-2.5 to 2.5	Pass			
	50	3.85	1.130	0.0007	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	2.332	0.0013	-2.5 to 2.5	Pass
					3.85	2.146	0.0012	-2.5 to 2.5	Pass
					4.43	2.789	0.0016	-2.5 to 2.5	Pass
				-30	3.85	1.659	0.0009	-2.5 to 2.5	Pass
				-20	3.85	2.217	0.0013	-2.5 to 2.5	Pass
-10				3.85	1.616	0.0009	-2.5 to 2.5	Pass	
0				3.85	2.532	0.0014	-2.5 to 2.5	Pass	
10				3.85	2.375	0.0014	-2.5 to 2.5	Pass	
30				3.85	1.230	0.0007	-2.5 to 2.5	Pass	
40	3.85	2.747	0.0016	-2.5 to 2.5	Pass				
50	3.85	2.632	0.0015	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	3.27	-2.947	-0.0017	-2.5 to 2.5	Pass
					3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.260	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-2.661	-0.0016	-2.5 to 2.5	Pass
	40	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass			
	50	3.85	-2.317	-0.0014	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.27	0.243	0.0001	-2.5 to 2.5	Pass
					3.85	1.316	0.0008	-2.5 to 2.5	Pass
					4.43	-0.043	0.0000	-2.5 to 2.5	Pass
				-30	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
	40	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass			
	50	3.85	0.887	0.0005	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	2.718	0.0016	-2.5 to 2.5	Pass
					3.85	2.832	0.0016	-2.5 to 2.5	Pass
					4.43	2.174	0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.847	0.0016	-2.5 to 2.5	Pass

				-20	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				-10	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.003	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				50	3.85	1.216	0.0007	-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	0.830	0.0005	-2.5 to 2.5	Pass			
					3.85	-0.086	-0.0001	-2.5 to 2.5	Pass			
					4.43	-0.157	-0.0001	-2.5 to 2.5	Pass			
				-30	3.85	1.416	0.0008	-2.5 to 2.5	Pass			
					-20	3.85	0.014	0.0000	-2.5 to 2.5	Pass		
						3.85	1.831	0.0011	-2.5 to 2.5	Pass		
				0	3.85	0.973	0.0006	-2.5 to 2.5	Pass			
					10	3.85	2.089	0.0012	-2.5 to 2.5	Pass		
				30	3.85	0.758	0.0004	-2.5 to 2.5	Pass			
					40	3.85	1.302	0.0008	-2.5 to 2.5	Pass		
				50	3.85	1.688	0.0010	-2.5 to 2.5	Pass			
				1732.5	75	0	20	3.27	1.502	0.0009	-2.5 to 2.5	Pass
	3.85	1.159	0.0007					-2.5 to 2.5	Pass			
	4.43	0.715	0.0004					-2.5 to 2.5	Pass			
	-30	3.85	0.658				0.0004	-2.5 to 2.5	Pass			
		-20	3.85				1.087	0.0006	-2.5 to 2.5	Pass		
			3.85				0.443	0.0003	-2.5 to 2.5	Pass		
	0	3.85	0.458				0.0003	-2.5 to 2.5	Pass			
		10	3.85				1.087	0.0006	-2.5 to 2.5	Pass		
	30	3.85	0.129				0.0001	-2.5 to 2.5	Pass			
		40	3.85				0.014	0.0000	-2.5 to 2.5	Pass		
	50	3.85	0.944				0.0005	-2.5 to 2.5	Pass			
	1747.5	75	0				20	3.27	0.987	0.0006	-2.5 to 2.5	Pass
								3.85	0.758	0.0004	-2.5 to 2.5	Pass
								4.43	0.372	0.0002	-2.5 to 2.5	Pass
							-30	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.672		0.0004	-2.5 to 2.5	Pass		
3.85					1.545	0.0009		-2.5 to 2.5	Pass			
0				3.85	0.744	0.0004	-2.5 to 2.5	Pass				
				10	3.85	1.631	0.0009	-2.5 to 2.5	Pass			
30				3.85	-0.114	-0.0001	-2.5 to 2.5	Pass				
				40	3.85	0.472	0.0003	-2.5 to 2.5	Pass			
50				3.85	1.388	0.0008	-2.5 to 2.5	Pass				
16QAM				1717.5	75	0	20	3.27	1.359	0.0008	-2.5 to 2.5	Pass
	3.85	0.286	0.0002					-2.5 to 2.5	Pass			
	4.43	0.043	0.0000					-2.5 to 2.5	Pass			
	-30	3.85	1.559				0.0009	-2.5 to 2.5	Pass			
		-20	3.85				0.486	0.0003	-2.5 to 2.5	Pass		
			3.85				0.744	0.0004	-2.5 to 2.5	Pass		
	0	3.85	0.272				0.0002	-2.5 to 2.5	Pass			
		10	3.85				0.358	0.0002	-2.5 to 2.5	Pass		
30	3.85	0.901	0.0005	-2.5 to 2.5	Pass							

	1732.5	75	0	40	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				20	3.27	0.358	0.0002	-2.5 to 2.5	Pass
					3.85	1.302	0.0008	-2.5 to 2.5	Pass
					4.43	0.658	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.316	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.458	0.0003	-2.5 to 2.5	Pass
	30	3.85	0.229	0.0001	-2.5 to 2.5	Pass			
	40	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass			
	50	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass			
	1747.5	75	0	20	3.27	0.601	0.0003	-2.5 to 2.5	Pass
					3.85	0.644	0.0004	-2.5 to 2.5	Pass
					4.43	1.202	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.916	0.0005	-2.5 to 2.5	Pass
10				3.85	1.988	0.0011	-2.5 to 2.5	Pass	
30				3.85	1.101	0.0006	-2.5 to 2.5	Pass	
40				3.85	1.187	0.0007	-2.5 to 2.5	Pass	
50	3.85	0.286	0.0002	-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	1.216	0.0007	-2.5 to 2.5	Pass
					3.85	2.789	0.0016	-2.5 to 2.5	Pass
					4.43	1.674	0.0010	-2.5 to 2.5	Pass
				-30	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.316	0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				0	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.373	0.0008	-2.5 to 2.5	Pass
	50	3.85	1.431	0.0008	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	1.001	0.0006	-2.5 to 2.5	Pass
					3.85	1.116	0.0006	-2.5 to 2.5	Pass
					4.43	1.216	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				0	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.230	0.0007	-2.5 to 2.5	Pass
	50	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-2.775	-0.0016	-2.5 to 2.5	Pass
					3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.488	-0.0009	-2.5 to 2.5	Pass

				-30	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	2.174	0.0013	-2.5 to 2.5	Pass
					3.85	1.831	0.0011	-2.5 to 2.5	Pass
					4.43	1.287	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.831	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.317	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				10	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				40	3.85	2.046	0.0012	-2.5 to 2.5	Pass
	50	3.85	2.317	0.0013	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	-0.272	-0.0002	-2.5 to 2.5	Pass
					3.85	0.372	0.0002	-2.5 to 2.5	Pass
					4.43	0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
	50	3.85	1.259	0.0007	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-1.402	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.389	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
30				3.85	-1.388	-0.0008	-2.5 to 2.5	Pass	
40				3.85	-1.760	-0.0010	-2.5 to 2.5	Pass	
50	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass				

4. Frequency Stability

4.1 B5_1.4MHz

4.1.1 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	-3.490	-0.0042	-2.5 to 2.5	Pass
					3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
					4.43	-6.309	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-6.423	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-10.586	-0.0128	-2.5 to 2.5	Pass

				-10	3.85	-12.674	-0.0154	-2.5 to 2.5	Pass
				0	3.85	-15.035	-0.0182	-2.5 to 2.5	Pass
				10	3.85	-10.986	-0.0133	-2.5 to 2.5	Pass
				30	3.85	-7.982	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-6.251	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-2.589	-0.0031	-2.5 to 2.5	Pass
					3.85	-1.616	-0.0019	-2.5 to 2.5	Pass
					4.43	-1.645	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-7.739	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-12.302	-0.0147	-2.5 to 2.5	Pass
		0	0	3.85	-13.404	-0.0160	-2.5 to 2.5	Pass	
			10	3.85	-11.816	-0.0141	-2.5 to 2.5	Pass	
			30	3.85	-9.484	-0.0113	-2.5 to 2.5	Pass	
			40	3.85	-7.167	-0.0086	-2.5 to 2.5	Pass	
			50	3.85	-5.593	-0.0067	-2.5 to 2.5	Pass	
			848.3	6	0	20	3.27	15.235	0.0180
	3.85	10.700					0.0126	-2.5 to 2.5	Pass
	4.43	5.980					0.0070	-2.5 to 2.5	Pass
	-30	3.85				2.890	0.0034	-2.5 to 2.5	Pass
-20	3.85	1.373				0.0016	-2.5 to 2.5	Pass	
-10	3.85	0.129				0.0002	-2.5 to 2.5	Pass	
0	0	3.85		-0.687	-0.0008	-2.5 to 2.5	Pass		
	10	3.85		-0.272	-0.0003	-2.5 to 2.5	Pass		
	30	3.85		-0.672	-0.0008	-2.5 to 2.5	Pass		
	40	3.85		-1.488	-0.0018	-2.5 to 2.5	Pass		
	50	3.85		-0.801	-0.0009	-2.5 to 2.5	Pass		
	16QAM	824.7		6	0	20	3.27	-4.306	-0.0052
3.85			-2.074				-0.0025	-2.5 to 2.5	Pass
4.43			-1.044				-0.0013	-2.5 to 2.5	Pass
-30			3.85			-0.372	-0.0005	-2.5 to 2.5	Pass
-20			3.85			-0.801	-0.0010	-2.5 to 2.5	Pass
-10			3.85			-0.072	-0.0001	-2.5 to 2.5	Pass
0			0	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass	
			10	3.85	0.072	0.0001	-2.5 to 2.5	Pass	
			30	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass	
			40	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass	
			50	3.85	0.043	0.0001	-2.5 to 2.5	Pass	
			836.5	6	0	20	3.27	-3.519	-0.0042
3.85		-2.718					-0.0032	-2.5 to 2.5	Pass
4.43		-2.275					-0.0027	-2.5 to 2.5	Pass
-30		3.85				-2.131	-0.0025	-2.5 to 2.5	Pass
-20		3.85				-2.217	-0.0027	-2.5 to 2.5	Pass
-10		3.85				-1.774	-0.0021	-2.5 to 2.5	Pass
0		0		3.85	-1.674	-0.0020	-2.5 to 2.5	Pass	
		10		3.85	-1.874	-0.0022	-2.5 to 2.5	Pass	
		30		3.85	-1.831	-0.0022	-2.5 to 2.5	Pass	
848.3		6	0	20	3.85	-1.259	-0.0015	-2.5 to 2.5	Pass
	4.43				-2.160	-0.0026	-2.5 to 2.5	Pass	
	3.27				-0.858	-0.0010	-2.5 to 2.5	Pass	
	-30			3.85	-0.529	-0.0006	-2.5 to 2.5	Pass	
	-20			3.85	-1.345	-0.0016	-2.5 to 2.5	Pass	
	-10			3.85	-0.715	-0.0008	-2.5 to 2.5	Pass	
	0	0	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass		
		10	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass		
		30	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass		

				40	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass

4.2 B5_3MHz

4.2.1 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	2.561	0.0031	-2.5 to 2.5	Pass
					3.85	3.390	0.0041	-2.5 to 2.5	Pass
					4.43	2.875	0.0035	-2.5 to 2.5	Pass
				-30	3.85	2.189	0.0027	-2.5 to 2.5	Pass
				-20	3.85	1.445	0.0018	-2.5 to 2.5	Pass
				-10	3.85	2.146	0.0026	-2.5 to 2.5	Pass
				0	3.85	1.445	0.0018	-2.5 to 2.5	Pass
				10	3.85	1.845	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.146	0.0026	-2.5 to 2.5	Pass
				40	3.85	2.174	0.0026	-2.5 to 2.5	Pass
	50	3.85	1.259	0.0015	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	3.133	0.0037	-2.5 to 2.5	Pass
					3.85	2.732	0.0033	-2.5 to 2.5	Pass
					4.43	2.046	0.0024	-2.5 to 2.5	Pass
				-30	3.85	2.518	0.0030	-2.5 to 2.5	Pass
				-20	3.85	2.418	0.0029	-2.5 to 2.5	Pass
				-10	3.85	1.788	0.0021	-2.5 to 2.5	Pass
				0	3.85	1.974	0.0024	-2.5 to 2.5	Pass
				10	3.85	1.402	0.0017	-2.5 to 2.5	Pass
				30	3.85	1.702	0.0020	-2.5 to 2.5	Pass
				40	3.85	0.315	0.0004	-2.5 to 2.5	Pass
	50	3.85	1.988	0.0024	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	1.445	0.0017	-2.5 to 2.5	Pass
					3.85	1.960	0.0023	-2.5 to 2.5	Pass
					4.43	0.944	0.0011	-2.5 to 2.5	Pass
				-30	3.85	2.117	0.0025	-2.5 to 2.5	Pass
				-20	3.85	1.416	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.588	0.0019	-2.5 to 2.5	Pass
				0	3.85	0.815	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0002	-2.5 to 2.5	Pass
30				3.85	0.730	0.0009	-2.5 to 2.5	Pass	
40				3.85	0.386	0.0005	-2.5 to 2.5	Pass	
50	3.85	0.958	0.0011	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.27	1.259	0.0015	-2.5 to 2.5	Pass
					3.85	1.345	0.0016	-2.5 to 2.5	Pass
					4.43	2.103	0.0025	-2.5 to 2.5	Pass
				-30	3.85	1.745	0.0021	-2.5 to 2.5	Pass
				-20	3.85	1.574	0.0019	-2.5 to 2.5	Pass
				-10	3.85	1.488	0.0018	-2.5 to 2.5	Pass
				0	3.85	0.987	0.0012	-2.5 to 2.5	Pass
				10	3.85	1.659	0.0020	-2.5 to 2.5	Pass
				30	3.85	1.845	0.0022	-2.5 to 2.5	Pass
				40	3.85	2.561	0.0031	-2.5 to 2.5	Pass
	50	3.85	2.317	0.0028	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	1.745	0.0021	-2.5 to 2.5	Pass
					3.85	1.516	0.0018	-2.5 to 2.5	Pass
					4.43	2.074	0.0025	-2.5 to 2.5	Pass

				-30	3.85	1.788	0.0021	-2.5 to 2.5	Pass
				-20	3.85	1.073	0.0013	-2.5 to 2.5	Pass
				-10	3.85	1.416	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.588	0.0019	-2.5 to 2.5	Pass
				10	3.85	1.874	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.146	0.0026	-2.5 to 2.5	Pass
				40	3.85	2.389	0.0029	-2.5 to 2.5	Pass
				50	3.85	2.475	0.0030	-2.5 to 2.5	Pass
				847.5	15	0	20	3.27	1.059
	3.85	0.658	0.0008					-2.5 to 2.5	Pass
	4.43	-0.100	-0.0001					-2.5 to 2.5	Pass
	-30	3.85	1.073				0.0013	-2.5 to 2.5	Pass
	-20	3.85	0.572				0.0007	-2.5 to 2.5	Pass
	-10	3.85	0.501				0.0006	-2.5 to 2.5	Pass
	0	3.85	0.443				0.0005	-2.5 to 2.5	Pass
	10	3.85	0.329				0.0004	-2.5 to 2.5	Pass
	30	3.85	0.873				0.0010	-2.5 to 2.5	Pass
	40	3.85	0.529	0.0006	-2.5 to 2.5	Pass			
50	3.85	0.658	0.0008	-2.5 to 2.5	Pass				

4.3 B5_5MHz

4.3.1 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	0.043	0.0001	-2.5 to 2.5	Pass
					3.85	1.144	0.0014	-2.5 to 2.5	Pass
					4.43	0.315	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.458	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.758	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.472	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.486	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.286	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.558	0.0007	-2.5 to 2.5	Pass
				836.5	25	0	20	3.27	0.372
	3.85	-0.229	-0.0003					-2.5 to 2.5	Pass
	4.43	0.830	0.0010					-2.5 to 2.5	Pass
	-30	3.85	1.087				0.0013	-2.5 to 2.5	Pass
	-20	3.85	0.329				0.0004	-2.5 to 2.5	Pass
	-10	3.85	0.372				0.0004	-2.5 to 2.5	Pass
	0	3.85	0.286				0.0003	-2.5 to 2.5	Pass
	10	3.85	-0.386				-0.0005	-2.5 to 2.5	Pass
	30	3.85	0.958				0.0011	-2.5 to 2.5	Pass
	40	3.85	1.030				0.0012	-2.5 to 2.5	Pass
	50	3.85	0.157				0.0002	-2.5 to 2.5	Pass
	846.5	25	0				20	3.27	1.717
				3.85	1.516	0.0018		-2.5 to 2.5	Pass
				4.43	1.302	0.0015		-2.5 to 2.5	Pass
				-30	3.85	2.203	0.0026	-2.5 to 2.5	Pass
				-20	3.85	2.389	0.0028	-2.5 to 2.5	Pass
				-10	3.85	1.488	0.0018	-2.5 to 2.5	Pass
				0	3.85	2.060	0.0024	-2.5 to 2.5	Pass
				10	3.85	2.246	0.0027	-2.5 to 2.5	Pass

				30	3.85	2.646	0.0031	-2.5 to 2.5	Pass
				40	3.85	2.918	0.0034	-2.5 to 2.5	Pass
				50	3.85	3.462	0.0041	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-0.458	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.601	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.658	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
	50	3.85	-1.144	-0.0014	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.27	0.973	0.0012	-2.5 to 2.5	Pass
					3.85	1.359	0.0016	-2.5 to 2.5	Pass
					4.43	1.445	0.0017	-2.5 to 2.5	Pass
				-30	3.85	1.001	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.730	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.402	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.845	0.0022	-2.5 to 2.5	Pass
				10	3.85	2.918	0.0035	-2.5 to 2.5	Pass
				30	3.85	2.990	0.0036	-2.5 to 2.5	Pass
				40	3.85	3.247	0.0039	-2.5 to 2.5	Pass
	50	3.85	3.433	0.0041	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.27	2.289	0.0027	-2.5 to 2.5	Pass
					3.85	2.561	0.0030	-2.5 to 2.5	Pass
					4.43	2.131	0.0025	-2.5 to 2.5	Pass
				-30	3.85	2.174	0.0026	-2.5 to 2.5	Pass
				-20	3.85	2.046	0.0024	-2.5 to 2.5	Pass
				-10	3.85	1.717	0.0020	-2.5 to 2.5	Pass
				0	3.85	1.316	0.0016	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0009	-2.5 to 2.5	Pass
30				3.85	1.659	0.0020	-2.5 to 2.5	Pass	
40				3.85	1.345	0.0016	-2.5 to 2.5	Pass	
50	3.85	1.388	0.0016	-2.5 to 2.5	Pass				

4.4 B5_10MHz

4.4.1 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	0.443	0.0005	-2.5 to 2.5	Pass			
					3.85	0.329	0.0004	-2.5 to 2.5	Pass			
					4.43	0.315	0.0004	-2.5 to 2.5	Pass			
				-30	3.85	0.901	0.0011	-2.5 to 2.5	Pass			
				-20	3.85	0.372	0.0004	-2.5 to 2.5	Pass			
				-10	3.85	1.216	0.0015	-2.5 to 2.5	Pass			
				0	3.85	0.772	0.0009	-2.5 to 2.5	Pass			
				10	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass			
				30	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass			
				40	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass			
				50	3.85	0.343	0.0004	-2.5 to 2.5	Pass			
				836.5	50	0	20	3.27	0.415	0.0005	-2.5 to 2.5	Pass
								3.85	0.701	0.0008	-2.5 to 2.5	Pass

					4.43	0.072	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.200	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0005	-2.5 to 2.5	Pass
	844	50	0	20	3.27	0.772	0.0009	-2.5 to 2.5	Pass
					3.85	1.259	0.0015	-2.5 to 2.5	Pass
					4.43	0.429	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0005	-2.5 to 2.5	Pass
	40	3.85	0.043	0.0001	-2.5 to 2.5	Pass			
50	3.85	-0.372	-0.0004	-2.5 to 2.5	Pass				
16QAM	829	50	0	20	3.27	0.744	0.0009	-2.5 to 2.5	Pass
					3.85	0.329	0.0004	-2.5 to 2.5	Pass
					4.43	-0.157	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.372	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.001	-0.0012	-2.5 to 2.5	Pass
	40	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass			
	50	3.85	0.057	0.0001	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.27	1.030	0.0012	-2.5 to 2.5	Pass
					3.85	0.901	0.0011	-2.5 to 2.5	Pass
					4.43	-0.501	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				0	3.85	0.701	0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.300	0.0004	-2.5 to 2.5	Pass
	40	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass			
	50	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-0.343	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.143	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.243	0.0003	-2.5 to 2.5	Pass
-10				3.85	-0.429	-0.0005	-2.5 to 2.5	Pass	
0				3.85	0.215	0.0003	-2.5 to 2.5	Pass	
10				3.85	-0.300	-0.0004	-2.5 to 2.5	Pass	
30				3.85	0.229	0.0003	-2.5 to 2.5	Pass	
40	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass				
50	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass				

5. Frequency Stability

5.1 B7_5MHz

5.1.1 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	3.633	0.0015	-2.5 to 2.5	Pass
					3.85	4.563	0.0018	-2.5 to 2.5	Pass
					4.43	2.031	0.0008	-2.5 to 2.5	Pass
				-30	3.85	3.476	0.0014	-2.5 to 2.5	Pass
				-20	3.85	4.148	0.0017	-2.5 to 2.5	Pass
				-10	3.85	3.018	0.0012	-2.5 to 2.5	Pass
				0	3.85	3.161	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.847	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.418	0.0010	-2.5 to 2.5	Pass
				40	3.85	3.476	0.0014	-2.5 to 2.5	Pass
	50	3.85	4.091	0.0016	-2.5 to 2.5	Pass			
	2535	25	0	20	3.27	-2.832	-0.0011	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0011	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.745	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.874	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.130	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.717	-0.0007	-2.5 to 2.5	Pass
	50	3.85	-3.405	-0.0013	-2.5 to 2.5	Pass			
	2567.5	25	0	20	3.27	1.760	0.0007	-2.5 to 2.5	Pass
					3.85	0.873	0.0003	-2.5 to 2.5	Pass
					4.43	1.760	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.744	0.0003	-2.5 to 2.5	Pass
				-20	3.85	2.418	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.544	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.329	0.0001	-2.5 to 2.5	Pass
				10	3.85	2.203	0.0009	-2.5 to 2.5	Pass
30				3.85	0.000	0.0000	-2.5 to 2.5	Pass	
40				3.85	0.029	0.0000	-2.5 to 2.5	Pass	
50	3.85	-0.544	-0.0002	-2.5 to 2.5	Pass				
16QAM	2502.5	25	0	20	3.27	3.576	0.0014	-2.5 to 2.5	Pass
					3.85	2.990	0.0012	-2.5 to 2.5	Pass
					4.43	2.747	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.472	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.488	0.0006	-2.5 to 2.5	Pass
				-10	3.85	4.363	0.0017	-2.5 to 2.5	Pass
				0	3.85	3.748	0.0015	-2.5 to 2.5	Pass
				10	3.85	2.646	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.389	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.788	0.0007	-2.5 to 2.5	Pass
	50	3.85	3.648	0.0015	-2.5 to 2.5	Pass			
	2535	25	0	20	3.27	-2.689	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.731	-0.0007	-2.5 to 2.5	Pass
					4.43	-2.131	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.389	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.304	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.488	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-3.119	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.574	-0.0006	-2.5 to 2.5	Pass
40				3.85	-2.947	-0.0012	-2.5 to 2.5	Pass	

	2567.5	25	0	50	3.85	-1.574	-0.0006	-2.5 to 2.5	Pass
				20	3.27	1.044	0.0004	-2.5 to 2.5	Pass
					3.85	-0.587	-0.0002	-2.5 to 2.5	Pass
					4.43	3.691	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.259	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.903	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.473	0.0006	-2.5 to 2.5	Pass
				0	3.85	1.330	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.372	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				40	3.85	1.574	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.801	0.0003	-2.5 to 2.5	Pass

5.2 B7_10MHz

5.2.1 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	-1.559	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.817	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.358	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.629	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.359	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-2.046	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.575	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.544	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.888	-0.0008	-2.5 to 2.5	Pass
	50	3.85	-1.731	-0.0007	-2.5 to 2.5	Pass			
	2535	50	0	20	3.27	-1.302	-0.0005	-2.5 to 2.5	Pass
					3.85	-1.230	-0.0005	-2.5 to 2.5	Pass
					4.43	-3.090	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.632	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.760	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.389	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.345	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.232	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.302	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-2.103	-0.0008	-2.5 to 2.5	Pass
	50	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass			
	2565	50	0	20	3.27	-2.732	-0.0011	-2.5 to 2.5	Pass
					3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.473	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.658	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.375	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-2.818	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.316	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0006	-2.5 to 2.5	Pass
30				3.85	-1.044	-0.0004	-2.5 to 2.5	Pass	
40				3.85	-1.130	-0.0004	-2.5 to 2.5	Pass	
50	3.85	-2.217	-0.0009	-2.5 to 2.5	Pass				
16QAM	2505	50	0	20	3.27	-1.059	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.674	-0.0007	-2.5 to 2.5	Pass
					4.43	-3.061	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.944	-0.0004	-2.5 to 2.5	Pass

				-20	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass			
				-10	3.85	-3.333	-0.0013	-2.5 to 2.5	Pass			
				0	3.85	-2.675	-0.0011	-2.5 to 2.5	Pass			
				10	3.85	-2.646	-0.0011	-2.5 to 2.5	Pass			
				30	3.85	-0.043	0.0000	-2.5 to 2.5	Pass			
				40	3.85	-1.030	-0.0004	-2.5 to 2.5	Pass			
				50	3.85	0.000	0.0000	-2.5 to 2.5	Pass			
	2535	50	0	20	3.27	-2.589	-0.0010	-2.5 to 2.5	Pass			
					3.85	-3.076	-0.0012	-2.5 to 2.5	Pass			
					4.43	-3.076	-0.0012	-2.5 to 2.5	Pass			
				-30	3.85	-4.234	-0.0017	-2.5 to 2.5	Pass			
				-20	3.85	-1.731	-0.0007	-2.5 to 2.5	Pass			
				-10	3.85	-3.648	-0.0014	-2.5 to 2.5	Pass			
				0	3.85	-3.648	-0.0014	-2.5 to 2.5	Pass			
				10	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass			
				30	3.85	-2.303	-0.0009	-2.5 to 2.5	Pass			
				40	3.85	-2.518	-0.0010	-2.5 to 2.5	Pass			
				50	3.85	-1.044	-0.0004	-2.5 to 2.5	Pass			
				2565	50	0	20	3.27	-0.587	-0.0002	-2.5 to 2.5	Pass
								3.85	-1.917	-0.0007	-2.5 to 2.5	Pass
	4.43	-1.974	-0.0008					-2.5 to 2.5	Pass			
	-30	3.85	-2.575				-0.0010	-2.5 to 2.5	Pass			
	-20	3.85	-1.459				-0.0006	-2.5 to 2.5	Pass			
	-10	3.85	-2.475				-0.0010	-2.5 to 2.5	Pass			
	0	3.85	-2.446				-0.0010	-2.5 to 2.5	Pass			
	10	3.85	0.243				0.0001	-2.5 to 2.5	Pass			
	30	3.85	-1.702				-0.0007	-2.5 to 2.5	Pass			
40	3.85	0.515	0.0002				-2.5 to 2.5	Pass				
50	3.85	-2.332	-0.0009				-2.5 to 2.5	Pass				

5.3 B7_15MHz

5.3.1 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	2.089	0.0008	-2.5 to 2.5	Pass			
					3.85	2.275	0.0009	-2.5 to 2.5	Pass			
					4.43	0.000	0.0000	-2.5 to 2.5	Pass			
				-30	3.85	-1.073	-0.0004	-2.5 to 2.5	Pass			
				-20	3.85	1.016	0.0004	-2.5 to 2.5	Pass			
				-10	3.85	1.202	0.0005	-2.5 to 2.5	Pass			
				0	3.85	-0.329	-0.0001	-2.5 to 2.5	Pass			
				10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass			
				30	3.85	0.672	0.0003	-2.5 to 2.5	Pass			
				40	3.85	1.502	0.0006	-2.5 to 2.5	Pass			
				50	3.85	0.772	0.0003	-2.5 to 2.5	Pass			
				2535	75	0	20	3.27	-1.044	-0.0004	-2.5 to 2.5	Pass
								3.85	-1.945	-0.0008	-2.5 to 2.5	Pass
	4.43	-1.373	-0.0005					-2.5 to 2.5	Pass			
	-30	3.85	-2.561				-0.0010	-2.5 to 2.5	Pass			
	-20	3.85	-2.947				-0.0012	-2.5 to 2.5	Pass			
	-10	3.85	-2.618				-0.0010	-2.5 to 2.5	Pass			
	0	3.85	-2.131				-0.0008	-2.5 to 2.5	Pass			
	10	3.85	-2.775				-0.0011	-2.5 to 2.5	Pass			
	30	3.85	-2.975				-0.0012	-2.5 to 2.5	Pass			

	2562.5	75	0	40	3.85	-2.375	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.445	-0.0006	-2.5 to 2.5	Pass
				20	3.27	3.490	0.0014	-2.5 to 2.5	Pass
					3.85	1.445	0.0006	-2.5 to 2.5	Pass
					4.43	3.018	0.0012	-2.5 to 2.5	Pass
				-30	3.85	3.505	0.0014	-2.5 to 2.5	Pass
				-20	3.85	1.945	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.060	0.0008	-2.5 to 2.5	Pass
				0	3.85	3.648	0.0014	-2.5 to 2.5	Pass
				10	3.85	2.317	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.073	0.0004	-2.5 to 2.5	Pass
				40	3.85	2.832	0.0011	-2.5 to 2.5	Pass
				50	3.85	2.074	0.0008	-2.5 to 2.5	Pass
				16QAM	2507.5	75	0	20	3.27
3.85	2.131	0.0008	-2.5 to 2.5						Pass
4.43	0.973	0.0004	-2.5 to 2.5						Pass
-30	3.85	0.787	0.0003					-2.5 to 2.5	Pass
-20	3.85	-0.715	-0.0003					-2.5 to 2.5	Pass
-10	3.85	2.418	0.0010					-2.5 to 2.5	Pass
0	3.85	0.257	0.0001					-2.5 to 2.5	Pass
10	3.85	1.259	0.0005					-2.5 to 2.5	Pass
30	3.85	-1.302	-0.0005					-2.5 to 2.5	Pass
40	3.85	1.760	0.0007					-2.5 to 2.5	Pass
50	3.85	0.257	0.0001					-2.5 to 2.5	Pass
2535	75	0	20					3.27	-3.147
					3.85	-3.004	-0.0012	-2.5 to 2.5	Pass
					4.43	-2.418	-0.0010	-2.5 to 2.5	Pass
			-30		3.85	-0.372	-0.0001	-2.5 to 2.5	Pass
			-20		3.85	-2.604	-0.0010	-2.5 to 2.5	Pass
			-10		3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
			0		3.85	-3.090	-0.0012	-2.5 to 2.5	Pass
			10		3.85	-2.689	-0.0011	-2.5 to 2.5	Pass
			30		3.85	-1.531	-0.0006	-2.5 to 2.5	Pass
			40		3.85	-2.074	-0.0008	-2.5 to 2.5	Pass
			50		3.85	-2.446	-0.0010	-2.5 to 2.5	Pass
			2562.5		75	0	20	3.27	1.388
3.85	0.987	0.0004						-2.5 to 2.5	Pass
4.43	0.558	0.0002		-2.5 to 2.5				Pass	
-30	3.85	2.732		0.0011			-2.5 to 2.5	Pass	
-20	3.85	2.332		0.0009			-2.5 to 2.5	Pass	
-10	3.85	1.659		0.0006			-2.5 to 2.5	Pass	
0	3.85	1.760		0.0007			-2.5 to 2.5	Pass	
10	3.85	0.401		0.0002			-2.5 to 2.5	Pass	
30	3.85	3.633		0.0014			-2.5 to 2.5	Pass	
40	3.85	-0.129		-0.0001			-2.5 to 2.5	Pass	
50	3.85	2.804	0.0011	-2.5 to 2.5	Pass				

5.4 B7_20MHz

5.4.1 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	2.289	0.0009	-2.5 to 2.5	Pass
							3.85	2.604	0.0010	-2.5 to 2.5	Pass
							4.43	3.076	0.0012	-2.5 to 2.5	Pass

				-30	3.85	0.730	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.159	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.388	0.0006	-2.5 to 2.5	Pass
				0	3.85	3.691	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.988	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.089	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.432	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.945	0.0008	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-3.862	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.619	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.347	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.760	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.418	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.745	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.104	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-3.662	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-4.234	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-1.860	-0.0007	-2.5 to 2.5	Pass
				2560	100	0	20	3.27	1.760
	3.85	1.101	0.0004					-2.5 to 2.5	Pass
	4.43	0.014	0.0000					-2.5 to 2.5	Pass
	-30	3.85	1.559				0.0006	-2.5 to 2.5	Pass
	-20	3.85	0.215				0.0001	-2.5 to 2.5	Pass
	-10	3.85	0.086				0.0000	-2.5 to 2.5	Pass
	0	3.85	2.804				0.0011	-2.5 to 2.5	Pass
	10	3.85	0.687				0.0003	-2.5 to 2.5	Pass
	30	3.85	1.774				0.0007	-2.5 to 2.5	Pass
	40	3.85	-0.086				0.0000	-2.5 to 2.5	Pass
	50	3.85	1.259	0.0005	-2.5 to 2.5	Pass			
16QAM	2510	100	0	20	3.27	1.960	0.0008	-2.5 to 2.5	Pass
					3.85	1.431	0.0006	-2.5 to 2.5	Pass
					4.43	1.602	0.0006	-2.5 to 2.5	Pass
				-30	3.85	2.017	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.903	0.0008	-2.5 to 2.5	Pass
				-10	3.85	1.745	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.772	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.675	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.804	0.0011	-2.5 to 2.5	Pass
				40	3.85	0.501	0.0002	-2.5 to 2.5	Pass
	50	3.85	3.247	0.0013	-2.5 to 2.5	Pass			
	2535	100	0	20	3.27	-2.189	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.589	-0.0010	-2.5 to 2.5	Pass
					4.43	-3.061	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-3.805	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-4.263	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.917	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-5.207	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.519	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.460	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-3.090	-0.0012	-2.5 to 2.5	Pass
	50	3.85	-3.934	-0.0016	-2.5 to 2.5	Pass			
	2560	100	0	20	3.27	0.501	0.0002	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
					4.43	0.744	0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.101	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.073	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	2.017	0.0008	-2.5 to 2.5	Pass

				10	3.85	-0.715	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.945	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.187	0.0005	-2.5 to 2.5	Pass