

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	3.23	-5.963	-0.0032	-2.5 to 2.5	Pass
					3.80	-17.079	-0.0092	-2.5 to 2.5	Pass
					4.37	-17.415	-0.0094	-2.5 to 2.5	Pass
				-30	3.80	-15.303	-0.0083	-2.5 to 2.5	Pass
				-20	3.80	-7.573	-0.0041	-2.5 to 2.5	Pass
				-10	3.80	-10.430	-0.0056	-2.5 to 2.5	Pass
				0	3.80	-25.492	-0.0138	-2.5 to 2.5	Pass
				10	3.80	-15.054	-0.0081	-2.5 to 2.5	Pass
				30	3.80	-15.704	-0.0085	-2.5 to 2.5	Pass
				40	3.80	-18.052	-0.0098	-2.5 to 2.5	Pass
	50	3.80	-20.139	-0.0109	-2.5 to 2.5	Pass			
	1880	6	0	20	3.23	-23.717	-0.0126	-2.5 to 2.5	Pass
					3.80	-21.511	-0.0114	-2.5 to 2.5	Pass
					4.37	-8.749	-0.0047	-2.5 to 2.5	Pass
				-30	3.80	-22.724	-0.0121	-2.5 to 2.5	Pass
				-20	3.80	-10.641	-0.0057	-2.5 to 2.5	Pass
				-10	3.80	-9.195	-0.0049	-2.5 to 2.5	Pass
				0	3.80	-26.677	-0.0142	-2.5 to 2.5	Pass
				10	3.80	-12.309	-0.0065	-2.5 to 2.5	Pass
				30	3.80	-14.469	-0.0077	-2.5 to 2.5	Pass
				40	3.80	-15.051	-0.0080	-2.5 to 2.5	Pass
	50	3.80	-14.128	-0.0075	-2.5 to 2.5	Pass			
	1909.3	6	0	20	3.23	-22.321	-0.0117	-2.5 to 2.5	Pass
					3.80	-9.422	-0.0049	-2.5 to 2.5	Pass
					4.37	4.261	0.0022	-2.5 to 2.5	Pass
				-30	3.80	-16.475	-0.0086	-2.5 to 2.5	Pass
				-20	3.80	-6.996	-0.0037	-2.5 to 2.5	Pass
				-10	3.80	-23.523	-0.0123	-2.5 to 2.5	Pass
				0	3.80	3.975	0.0021	-2.5 to 2.5	Pass
				10	3.80	-17.066	-0.0089	-2.5 to 2.5	Pass
30				3.80	-13.256	-0.0069	-2.5 to 2.5	Pass	
40				3.80	-18.465	-0.0097	-2.5 to 2.5	Pass	
50	3.80	-10.623	-0.0056	-2.5 to 2.5	Pass				
16QAM	1850.7	6	0	20	3.23	-20.052	-0.0108	-2.5 to 2.5	Pass
					3.80	-13.396	-0.0072	-2.5 to 2.5	Pass
					4.37	-17.349	-0.0094	-2.5 to 2.5	Pass
				-30	3.80	-11.606	-0.0063	-2.5 to 2.5	Pass
				-20	3.80	-27.096	-0.0146	-2.5 to 2.5	Pass
				-10	3.80	-7.158	-0.0039	-2.5 to 2.5	Pass
				0	3.80	-4.889	-0.0026	-2.5 to 2.5	Pass
				10	3.80	-4.319	-0.0023	-2.5 to 2.5	Pass
				30	3.80	-3.077	-0.0017	-2.5 to 2.5	Pass
				40	3.80	-9.184	-0.0050	-2.5 to 2.5	Pass
	50	3.80	-16.173	-0.0087	-2.5 to 2.5	Pass			
	1880	6	0	20	3.23	-3.913	-0.0021	-2.5 to 2.5	Pass
					3.80	5.075	0.0027	-2.5 to 2.5	Pass

					4.37	-4.628	-0.0025	-2.5 to 2.5	Pass			
				-30	3.80	6.524	0.0035	-2.5 to 2.5	Pass			
				-20	3.80	-10.281	-0.0055	-2.5 to 2.5	Pass			
				-10	3.80	1.255	0.0007	-2.5 to 2.5	Pass			
				0	3.80	6.052	0.0032	-2.5 to 2.5	Pass			
				10	3.80	4.211	0.0022	-2.5 to 2.5	Pass			
				30	3.80	-0.205	-0.0001	-2.5 to 2.5	Pass			
				40	3.80	0.854	0.0005	-2.5 to 2.5	Pass			
				50	3.80	-1.372	-0.0007	-2.5 to 2.5	Pass			
	1909.3	6	0	20	3.23	-5.262	-0.0028	-2.5 to 2.5	Pass			
3.80					-4.481	-0.0023	-2.5 to 2.5	Pass				
4.37					0.462	0.0002	-2.5 to 2.5	Pass				
							-30	3.80	-5.666	-0.0030	-2.5 to 2.5	Pass
							-20	3.80	-21.653	-0.0113	-2.5 to 2.5	Pass
							-10	3.80	-14.818	-0.0078	-2.5 to 2.5	Pass
							0	3.80	-26.504	-0.0139	-2.5 to 2.5	Pass
							10	3.80	-8.198	-0.0043	-2.5 to 2.5	Pass
							30	3.80	-18.502	-0.0097	-2.5 to 2.5	Pass
							40	3.80	5.554	0.0029	-2.5 to 2.5	Pass
							50	3.80	-21.417	-0.0112	-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	3.23	-24.165	-0.0131	-2.5 to 2.5	Pass
					3.80	-18.369	-0.0099	-2.5 to 2.5	Pass
					4.37	-6.160	-0.0033	-2.5 to 2.5	Pass
				-30	3.80	-8.506	-0.0046	-2.5 to 2.5	Pass
				-20	3.80	-20.599	-0.0111	-2.5 to 2.5	Pass
				-10	3.80	-12.571	-0.0068	-2.5 to 2.5	Pass
				0	3.80	0.919	0.0005	-2.5 to 2.5	Pass
				10	3.80	2.186	0.0012	-2.5 to 2.5	Pass
				30	3.80	-5.088	-0.0027	-2.5 to 2.5	Pass
				40	3.80	-2.085	-0.0011	-2.5 to 2.5	Pass
	50	3.80	-28.178	-0.0152	-2.5 to 2.5	Pass			
	1880	15	0	20	3.23	-7.623	-0.0041	-2.5 to 2.5	Pass
					3.80	-4.290	-0.0023	-2.5 to 2.5	Pass
					4.37	0.124	0.0001	-2.5 to 2.5	Pass
				-30	3.80	-29.452	-0.0157	-2.5 to 2.5	Pass
				-20	3.80	-22.611	-0.0120	-2.5 to 2.5	Pass
				-10	3.80	-17.204	-0.0092	-2.5 to 2.5	Pass
				0	3.80	-10.116	-0.0054	-2.5 to 2.5	Pass
				10	3.80	-15.609	-0.0083	-2.5 to 2.5	Pass
				30	3.80	-6.582	-0.0035	-2.5 to 2.5	Pass
				40	3.80	-9.694	-0.0052	-2.5 to 2.5	Pass
	50	3.80	-10.325	-0.0055	-2.5 to 2.5	Pass			
	1908.5	15	0	20	3.23	-24.740	-0.0130	-2.5 to 2.5	Pass
					3.80	-1.529	-0.0008	-2.5 to 2.5	Pass
					4.37	-21.115	-0.0111	-2.5 to 2.5	Pass
				-30	3.80	-3.237	-0.0017	-2.5 to 2.5	Pass
				-20	3.80	-18.621	-0.0098	-2.5 to 2.5	Pass
				-10	3.80	-18.416	-0.0096	-2.5 to 2.5	Pass
				0	3.80	-3.325	-0.0017	-2.5 to 2.5	Pass
				10	3.80	-23.585	-0.0124	-2.5 to 2.5	Pass
30				3.80	-5.160	-0.0027	-2.5 to 2.5	Pass	
40				3.80	6.452	0.0034	-2.5 to 2.5	Pass	
50	3.80	-11.661	-0.0061	-2.5 to 2.5	Pass				
16QAM	1851.5	15	0	20	3.23	-14.101	-0.0076	-2.5 to 2.5	Pass
					3.80	-16.527	-0.0089	-2.5 to 2.5	Pass
					4.37	-15.928	-0.0086	-2.5 to 2.5	Pass
				-30	3.80	-13.696	-0.0074	-2.5 to 2.5	Pass
				-20	3.80	-11.323	-0.0061	-2.5 to 2.5	Pass
				-10	3.80	-5.745	-0.0031	-2.5 to 2.5	Pass
				0	3.80	6.929	0.0037	-2.5 to 2.5	Pass
				10	3.80	-9.506	-0.0051	-2.5 to 2.5	Pass
				30	3.80	-22.571	-0.0122	-2.5 to 2.5	Pass
				40	3.80	-18.840	-0.0102	-2.5 to 2.5	Pass
	50	3.80	-1.349	-0.0007	-2.5 to 2.5	Pass			
	1880	15	0	20	3.23	-23.389	-0.0124	-2.5 to 2.5	Pass
					3.80	-25.831	-0.0137	-2.5 to 2.5	Pass
4.37					-28.225	-0.0150	-2.5 to 2.5	Pass	

				-30	3.80	-19.717	-0.0105	-2.5 to 2.5	Pass			
				-20	3.80	0.103	0.0001	-2.5 to 2.5	Pass			
				-10	3.80	-18.551	-0.0099	-2.5 to 2.5	Pass			
				0	3.80	-22.236	-0.0118	-2.5 to 2.5	Pass			
				10	3.80	-10.706	-0.0057	-2.5 to 2.5	Pass			
				30	3.80	-0.624	-0.0003	-2.5 to 2.5	Pass			
				40	3.80	-4.871	-0.0026	-2.5 to 2.5	Pass			
				50	3.80	-15.578	-0.0083	-2.5 to 2.5	Pass			
	1908.5	15	0	20	3.23	-19.214	-0.0101	-2.5 to 2.5	Pass			
								3.80	-17.311	-0.0091	-2.5 to 2.5	Pass
								4.37	-16.147	-0.0085	-2.5 to 2.5	Pass
							-30	3.80	6.336	0.0033	-2.5 to 2.5	Pass
							-20	3.80	-12.787	-0.0067	-2.5 to 2.5	Pass
							-10	3.80	-11.347	-0.0059	-2.5 to 2.5	Pass
							0	3.80	-24.709	-0.0129	-2.5 to 2.5	Pass
							10	3.80	-9.330	-0.0049	-2.5 to 2.5	Pass
							30	3.80	-9.771	-0.0051	-2.5 to 2.5	Pass
							40	3.80	-23.212	-0.0122	-2.5 to 2.5	Pass
							50	3.80	-24.894	-0.0130	-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	3.23	-15.688	-0.0085	-2.5 to 2.5	Pass
					3.80	-0.483	-0.0003	-2.5 to 2.5	Pass
					4.37	-13.358	-0.0072	-2.5 to 2.5	Pass
				-30	3.80	-14.168	-0.0076	-2.5 to 2.5	Pass
				-20	3.80	-5.351	-0.0029	-2.5 to 2.5	Pass
				-10	3.80	-21.791	-0.0118	-2.5 to 2.5	Pass
				0	3.80	-13.534	-0.0073	-2.5 to 2.5	Pass
				10	3.80	-21.961	-0.0119	-2.5 to 2.5	Pass
				30	3.80	-14.916	-0.0081	-2.5 to 2.5	Pass
				40	3.80	-16.179	-0.0087	-2.5 to 2.5	Pass
	50	3.80	-21.454	-0.0116	-2.5 to 2.5	Pass			
	1880	25	0	20	3.23	-12.810	-0.0068	-2.5 to 2.5	Pass
					3.80	-9.387	-0.0050	-2.5 to 2.5	Pass
					4.37	0.740	0.0004	-2.5 to 2.5	Pass
				-30	3.80	-12.909	-0.0069	-2.5 to 2.5	Pass
				-20	3.80	-19.813	-0.0105	-2.5 to 2.5	Pass
				-10	3.80	-33.166	-0.0176	-2.5 to 2.5	Pass
				0	3.80	-15.747	-0.0084	-2.5 to 2.5	Pass
				10	3.80	-18.837	-0.0100	-2.5 to 2.5	Pass
				30	3.80	-25.667	-0.0137	-2.5 to 2.5	Pass
				40	3.80	-6.341	-0.0034	-2.5 to 2.5	Pass
	50	3.80	-21.155	-0.0113	-2.5 to 2.5	Pass			
	1907.5	25	0	20	3.23	-23.507	-0.0123	-2.5 to 2.5	Pass
					3.80	-31.676	-0.0166	-2.5 to 2.5	Pass
					4.37	-18.968	-0.0099	-2.5 to 2.5	Pass
				-30	3.80	-9.247	-0.0048	-2.5 to 2.5	Pass
				-20	3.80	-8.043	-0.0042	-2.5 to 2.5	Pass
				-10	3.80	-27.543	-0.0144	-2.5 to 2.5	Pass
				0	3.80	-29.153	-0.0153	-2.5 to 2.5	Pass
				10	3.80	-22.856	-0.0120	-2.5 to 2.5	Pass
30				3.80	-18.761	-0.0098	-2.5 to 2.5	Pass	
40				3.80	5.176	0.0027	-2.5 to 2.5	Pass	
50	3.80	-12.931	-0.0068	-2.5 to 2.5	Pass				
16QAM	1852.5	25	0	20	3.23	-2.186	-0.0012	-2.5 to 2.5	Pass
					3.80	-7.264	-0.0039	-2.5 to 2.5	Pass
					4.37	-20.306	-0.0110	-2.5 to 2.5	Pass
				-30	3.80	-7.820	-0.0042	-2.5 to 2.5	Pass
				-20	3.80	-15.640	-0.0084	-2.5 to 2.5	Pass
				-10	3.80	-28.592	-0.0154	-2.5 to 2.5	Pass
				0	3.80	-23.349	-0.0126	-2.5 to 2.5	Pass
				10	3.80	-16.768	-0.0091	-2.5 to 2.5	Pass
				30	3.80	-9.005	-0.0049	-2.5 to 2.5	Pass
				40	3.80	-7.260	-0.0039	-2.5 to 2.5	Pass
	50	3.80	-10.747	-0.0058	-2.5 to 2.5	Pass			
	1880	25	0	20	3.23	-27.247	-0.0145	-2.5 to 2.5	Pass
					3.80	-1.072	-0.0006	-2.5 to 2.5	Pass
4.37					-22.182	-0.0118	-2.5 to 2.5	Pass	

				-30	3.80	-14.416	-0.0077	-2.5 to 2.5	Pass			
				-20	3.80	-29.493	-0.0157	-2.5 to 2.5	Pass			
				-10	3.80	4.561	0.0024	-2.5 to 2.5	Pass			
				0	3.80	-0.366	-0.0002	-2.5 to 2.5	Pass			
				10	3.80	-17.594	-0.0094	-2.5 to 2.5	Pass			
				30	3.80	-16.015	-0.0085	-2.5 to 2.5	Pass			
				40	3.80	-17.121	-0.0091	-2.5 to 2.5	Pass			
				50	3.80	-9.650	-0.0051	-2.5 to 2.5	Pass			
	1907.5	25	0	20	3.23	-20.140	-0.0106	-2.5 to 2.5	Pass			
3.80					-7.798	-0.0041	-2.5 to 2.5	Pass				
4.37					2.005	0.0011	-2.5 to 2.5	Pass				
							-30	3.80	-16.125	-0.0085	-2.5 to 2.5	Pass
							-20	3.80	-2.890	-0.0015	-2.5 to 2.5	Pass
							-10	3.80	-23.996	-0.0126	-2.5 to 2.5	Pass
							0	3.80	-14.571	-0.0076	-2.5 to 2.5	Pass
							10	3.80	6.764	0.0035	-2.5 to 2.5	Pass
							30	3.80	3.979	0.0021	-2.5 to 2.5	Pass
							40	3.80	-8.924	-0.0047	-2.5 to 2.5	Pass
							50	3.80	-20.666	-0.0108	-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	3.23	-23.446	-0.0126	-2.5 to 2.5	Pass
					3.80	-11.787	-0.0064	-2.5 to 2.5	Pass
					4.37	-8.317	-0.0045	-2.5 to 2.5	Pass
				-30	3.80	-8.955	-0.0048	-2.5 to 2.5	Pass
				-20	3.80	-26.539	-0.0143	-2.5 to 2.5	Pass
				-10	3.80	-21.362	-0.0115	-2.5 to 2.5	Pass
				0	3.80	-10.845	-0.0058	-2.5 to 2.5	Pass
				10	3.80	-19.919	-0.0107	-2.5 to 2.5	Pass
				30	3.80	-8.624	-0.0046	-2.5 to 2.5	Pass
				40	3.80	-6.714	-0.0036	-2.5 to 2.5	Pass
	50	3.80	3.976	0.0021	-2.5 to 2.5	Pass			
	1880	50	0	20	3.23	-19.457	-0.0103	-2.5 to 2.5	Pass
					3.80	3.888	0.0021	-2.5 to 2.5	Pass
					4.37	-17.592	-0.0094	-2.5 to 2.5	Pass
				-30	3.80	-22.064	-0.0117	-2.5 to 2.5	Pass
				-20	3.80	-16.107	-0.0086	-2.5 to 2.5	Pass
				-10	3.80	-6.350	-0.0034	-2.5 to 2.5	Pass
				0	3.80	-12.274	-0.0065	-2.5 to 2.5	Pass
				10	3.80	-16.844	-0.0090	-2.5 to 2.5	Pass
				30	3.80	-7.035	-0.0037	-2.5 to 2.5	Pass
				40	3.80	-12.679	-0.0067	-2.5 to 2.5	Pass
	50	3.80	-30.128	-0.0160	-2.5 to 2.5	Pass			
	1905	50	0	20	3.23	-25.066	-0.0132	-2.5 to 2.5	Pass
					3.80	-14.489	-0.0076	-2.5 to 2.5	Pass
					4.37	-17.025	-0.0089	-2.5 to 2.5	Pass
				-30	3.80	-24.500	-0.0129	-2.5 to 2.5	Pass
				-20	3.80	-21.950	-0.0115	-2.5 to 2.5	Pass
				-10	3.80	-13.800	-0.0072	-2.5 to 2.5	Pass
				0	3.80	-22.711	-0.0119	-2.5 to 2.5	Pass
				10	3.80	2.078	0.0011	-2.5 to 2.5	Pass
30				3.80	-12.460	-0.0065	-2.5 to 2.5	Pass	
40				3.80	-19.200	-0.0101	-2.5 to 2.5	Pass	
50	3.80	-13.538	-0.0071	-2.5 to 2.5	Pass				
16QAM	1855	50	0	20	3.23	-15.529	-0.0084	-2.5 to 2.5	Pass
					3.80	-16.900	-0.0091	-2.5 to 2.5	Pass
					4.37	-10.570	-0.0057	-2.5 to 2.5	Pass
				-30	3.80	1.067	0.0006	-2.5 to 2.5	Pass
				-20	3.80	-22.796	-0.0123	-2.5 to 2.5	Pass
				-10	3.80	-14.856	-0.0080	-2.5 to 2.5	Pass
				0	3.80	-12.777	-0.0069	-2.5 to 2.5	Pass
				10	3.80	-24.382	-0.0131	-2.5 to 2.5	Pass
				30	3.80	-19.914	-0.0107	-2.5 to 2.5	Pass
				40	3.80	-17.961	-0.0097	-2.5 to 2.5	Pass
	50	3.80	-19.138	-0.0103	-2.5 to 2.5	Pass			
	1880	50	0	20	3.23	2.674	0.0014	-2.5 to 2.5	Pass
					3.80	-10.091	-0.0054	-2.5 to 2.5	Pass
4.37					7.378	0.0039	-2.5 to 2.5	Pass	

				-30	3.80	-22.396	-0.0119	-2.5 to 2.5	Pass			
				-20	3.80	-36.578	-0.0195	-2.5 to 2.5	Pass			
				-10	3.80	-15.672	-0.0083	-2.5 to 2.5	Pass			
				0	3.80	-7.234	-0.0038	-2.5 to 2.5	Pass			
				10	3.80	5.491	0.0029	-2.5 to 2.5	Pass			
				30	3.80	-3.313	-0.0018	-2.5 to 2.5	Pass			
				40	3.80	-18.397	-0.0098	-2.5 to 2.5	Pass			
				50	3.80	-28.758	-0.0153	-2.5 to 2.5	Pass			
	1905	50	0	20	3.23	-10.717	-0.0056	-2.5 to 2.5	Pass			
3.80					-10.194	-0.0054	-2.5 to 2.5	Pass				
4.37					-8.698	-0.0046	-2.5 to 2.5	Pass				
							-30	3.80	-5.825	-0.0031	-2.5 to 2.5	Pass
							-20	3.80	-13.022	-0.0068	-2.5 to 2.5	Pass
							-10	3.80	-16.256	-0.0085	-2.5 to 2.5	Pass
							0	3.80	-2.855	-0.0015	-2.5 to 2.5	Pass
							10	3.80	-7.132	-0.0037	-2.5 to 2.5	Pass
							30	3.80	-4.998	-0.0026	-2.5 to 2.5	Pass
							40	3.80	-19.128	-0.0100	-2.5 to 2.5	Pass
							50	3.80	-20.903	-0.0110	-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	3.23	-25.580	-0.0138	-2.5 to 2.5	Pass
					3.80	-12.549	-0.0068	-2.5 to 2.5	Pass
					4.37	-0.639	-0.0003	-2.5 to 2.5	Pass
				-30	3.80	-11.023	-0.0059	-2.5 to 2.5	Pass
				-20	3.80	-26.505	-0.0143	-2.5 to 2.5	Pass
				-10	3.80	-3.209	-0.0017	-2.5 to 2.5	Pass
				0	3.80	-14.934	-0.0080	-2.5 to 2.5	Pass
				10	3.80	-15.233	-0.0082	-2.5 to 2.5	Pass
				30	3.80	-27.182	-0.0146	-2.5 to 2.5	Pass
				40	3.80	-8.664	-0.0047	-2.5 to 2.5	Pass
	50	3.80	-26.133	-0.0141	-2.5 to 2.5	Pass			
	1880	75	0	20	3.23	-15.965	-0.0085	-2.5 to 2.5	Pass
					3.80	-21.054	-0.0112	-2.5 to 2.5	Pass
					4.37	3.719	0.0020	-2.5 to 2.5	Pass
				-30	3.80	-4.450	-0.0024	-2.5 to 2.5	Pass
				-20	3.80	-6.093	-0.0032	-2.5 to 2.5	Pass
				-10	3.80	-29.486	-0.0157	-2.5 to 2.5	Pass
				0	3.80	-4.640	-0.0025	-2.5 to 2.5	Pass
				10	3.80	-19.622	-0.0104	-2.5 to 2.5	Pass
				30	3.80	-9.087	-0.0048	-2.5 to 2.5	Pass
				40	3.80	-20.919	-0.0111	-2.5 to 2.5	Pass
	50	3.80	-7.880	-0.0042	-2.5 to 2.5	Pass			
	1902.5	75	0	20	3.23	-26.973	-0.0142	-2.5 to 2.5	Pass
					3.80	-18.034	-0.0095	-2.5 to 2.5	Pass
					4.37	-29.309	-0.0154	-2.5 to 2.5	Pass
				-30	3.80	-18.390	-0.0097	-2.5 to 2.5	Pass
				-20	3.80	-13.920	-0.0073	-2.5 to 2.5	Pass
				-10	3.80	-20.588	-0.0108	-2.5 to 2.5	Pass
				0	3.80	-18.683	-0.0098	-2.5 to 2.5	Pass
				10	3.80	-1.274	-0.0007	-2.5 to 2.5	Pass
30				3.80	-18.797	-0.0099	-2.5 to 2.5	Pass	
40				3.80	-21.304	-0.0112	-2.5 to 2.5	Pass	
50	3.80	-10.783	-0.0057	-2.5 to 2.5	Pass				
16QAM	1857.5	75	0	20	3.23	-7.983	-0.0043	-2.5 to 2.5	Pass
					3.80	-0.949	-0.0005	-2.5 to 2.5	Pass
					4.37	-6.519	-0.0035	-2.5 to 2.5	Pass
				-30	3.80	-14.720	-0.0079	-2.5 to 2.5	Pass
				-20	3.80	-15.896	-0.0086	-2.5 to 2.5	Pass
				-10	3.80	-25.488	-0.0137	-2.5 to 2.5	Pass
				0	3.80	-7.462	-0.0040	-2.5 to 2.5	Pass
				10	3.80	-12.682	-0.0068	-2.5 to 2.5	Pass
				30	3.80	-13.188	-0.0071	-2.5 to 2.5	Pass
				40	3.80	-8.763	-0.0047	-2.5 to 2.5	Pass
	50	3.80	-15.384	-0.0083	-2.5 to 2.5	Pass			
	1880	75	0	20	3.23	-5.895	-0.0031	-2.5 to 2.5	Pass
					3.80	1.362	0.0007	-2.5 to 2.5	Pass
4.37					-27.382	-0.0146	-2.5 to 2.5	Pass	

				-30	3.80	-9.371	-0.0050	-2.5 to 2.5	Pass			
				-20	3.80	-12.284	-0.0065	-2.5 to 2.5	Pass			
				-10	3.80	-19.226	-0.0102	-2.5 to 2.5	Pass			
				0	3.80	-17.345	-0.0092	-2.5 to 2.5	Pass			
				10	3.80	-9.656	-0.0051	-2.5 to 2.5	Pass			
				30	3.80	2.445	0.0013	-2.5 to 2.5	Pass			
				40	3.80	-14.121	-0.0075	-2.5 to 2.5	Pass			
				50	3.80	-5.981	-0.0032	-2.5 to 2.5	Pass			
	1902.5	75	0	20	3.23	-6.283	-0.0033	-2.5 to 2.5	Pass			
								3.80	-21.584	-0.0113	-2.5 to 2.5	Pass
								4.37	-20.415	-0.0107	-2.5 to 2.5	Pass
							-30	3.80	-2.458	-0.0013	-2.5 to 2.5	Pass
							-20	3.80	-23.625	-0.0124	-2.5 to 2.5	Pass
							-10	3.80	-17.423	-0.0092	-2.5 to 2.5	Pass
							0	3.80	-14.178	-0.0075	-2.5 to 2.5	Pass
							10	3.80	-14.149	-0.0074	-2.5 to 2.5	Pass
							30	3.80	4.529	0.0024	-2.5 to 2.5	Pass
							40	3.80	-5.182	-0.0027	-2.5 to 2.5	Pass
							50	3.80	-27.288	-0.0143	-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	3.23	-12.933	-0.0070	-2.5 to 2.5	Pass
					3.80	-21.428	-0.0115	-2.5 to 2.5	Pass
					4.37	-12.127	-0.0065	-2.5 to 2.5	Pass
				-30	3.80	1.694	0.0009	-2.5 to 2.5	Pass
				-20	3.80	-26.102	-0.0140	-2.5 to 2.5	Pass
				-10	3.80	-28.135	-0.0151	-2.5 to 2.5	Pass
				0	3.80	-23.159	-0.0125	-2.5 to 2.5	Pass
				10	3.80	-12.747	-0.0069	-2.5 to 2.5	Pass
				30	3.80	-16.304	-0.0088	-2.5 to 2.5	Pass
				40	3.80	-21.406	-0.0115	-2.5 to 2.5	Pass
	50	3.80	-21.631	-0.0116	-2.5 to 2.5	Pass			
	1880	100	0	20	3.23	-21.012	-0.0112	-2.5 to 2.5	Pass
					3.80	-31.043	-0.0165	-2.5 to 2.5	Pass
					4.37	-16.408	-0.0087	-2.5 to 2.5	Pass
				-30	3.80	-10.479	-0.0056	-2.5 to 2.5	Pass
				-20	3.80	-4.096	-0.0022	-2.5 to 2.5	Pass
				-10	3.80	-13.164	-0.0070	-2.5 to 2.5	Pass
				0	3.80	-29.172	-0.0155	-2.5 to 2.5	Pass
				10	3.80	5.578	0.0030	-2.5 to 2.5	Pass
				30	3.80	-26.855	-0.0143	-2.5 to 2.5	Pass
				40	3.80	-4.708	-0.0025	-2.5 to 2.5	Pass
	50	3.80	-3.475	-0.0018	-2.5 to 2.5	Pass			
	1900	100	0	20	3.23	-28.136	-0.0148	-2.5 to 2.5	Pass
					3.80	-8.735	-0.0046	-2.5 to 2.5	Pass
					4.37	-23.033	-0.0121	-2.5 to 2.5	Pass
				-30	3.80	-15.727	-0.0083	-2.5 to 2.5	Pass
				-20	3.80	-19.162	-0.0101	-2.5 to 2.5	Pass
				-10	3.80	-9.857	-0.0052	-2.5 to 2.5	Pass
				0	3.80	-15.301	-0.0081	-2.5 to 2.5	Pass
				10	3.80	-11.180	-0.0059	-2.5 to 2.5	Pass
30				3.80	-5.707	-0.0030	-2.5 to 2.5	Pass	
40				3.80	-7.926	-0.0042	-2.5 to 2.5	Pass	
50	3.80	-25.948	-0.0137	-2.5 to 2.5	Pass				
16QAM	1860	100	0	20	3.23	-6.085	-0.0033	-2.5 to 2.5	Pass
					3.80	3.756	0.0020	-2.5 to 2.5	Pass
					4.37	-27.046	-0.0145	-2.5 to 2.5	Pass
				-30	3.80	1.916	0.0010	-2.5 to 2.5	Pass
				-20	3.80	-1.904	-0.0010	-2.5 to 2.5	Pass
				-10	3.80	3.146	0.0017	-2.5 to 2.5	Pass
				0	3.80	-11.997	-0.0065	-2.5 to 2.5	Pass
				10	3.80	-23.393	-0.0126	-2.5 to 2.5	Pass
				30	3.80	-3.535	-0.0019	-2.5 to 2.5	Pass
				40	3.80	-26.604	-0.0143	-2.5 to 2.5	Pass
	50	3.80	-14.237	-0.0077	-2.5 to 2.5	Pass			
	1880	100	0	20	3.23	-21.677	-0.0115	-2.5 to 2.5	Pass
					3.80	-20.188	-0.0107	-2.5 to 2.5	Pass
4.37					-23.592	-0.0125	-2.5 to 2.5	Pass	

				-30	3.80	-5.984	-0.0032	-2.5 to 2.5	Pass			
				-20	3.80	-1.750	-0.0009	-2.5 to 2.5	Pass			
				-10	3.80	-28.656	-0.0152	-2.5 to 2.5	Pass			
				0	3.80	1.779	0.0009	-2.5 to 2.5	Pass			
				10	3.80	-9.453	-0.0050	-2.5 to 2.5	Pass			
				30	3.80	-12.055	-0.0064	-2.5 to 2.5	Pass			
				40	3.80	3.250	0.0017	-2.5 to 2.5	Pass			
				50	3.80	-3.248	-0.0017	-2.5 to 2.5	Pass			
	1900	100	0	20	3.23	-14.416	-0.0076	-2.5 to 2.5	Pass			
3.80					-11.531	-0.0061	-2.5 to 2.5	Pass				
4.37					-7.298	-0.0038	-2.5 to 2.5	Pass				
							-30	3.80	-9.080	-0.0048	-2.5 to 2.5	Pass
							-20	3.80	-25.497	-0.0134	-2.5 to 2.5	Pass
							-10	3.80	-19.896	-0.0105	-2.5 to 2.5	Pass
							0	3.80	-17.912	-0.0094	-2.5 to 2.5	Pass
							10	3.80	-12.739	-0.0067	-2.5 to 2.5	Pass
							30	3.80	-10.805	-0.0057	-2.5 to 2.5	Pass
							40	3.80	-6.708	-0.0035	-2.5 to 2.5	Pass
							50	3.80	-14.575	-0.0077	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.23	-15.894	-0.0093	-2.5 to 2.5	Pass
					3.80	-5.032	-0.0029	-2.5 to 2.5	Pass
					4.37	-14.570	-0.0085	-2.5 to 2.5	Pass
				-30	3.80	-1.560	-0.0009	-2.5 to 2.5	Pass
				-20	3.80	-19.743	-0.0115	-2.5 to 2.5	Pass
				-10	3.80	-15.842	-0.0093	-2.5 to 2.5	Pass
				0	3.80	-11.371	-0.0066	-2.5 to 2.5	Pass
				10	3.80	-16.625	-0.0097	-2.5 to 2.5	Pass
				30	3.80	-11.308	-0.0066	-2.5 to 2.5	Pass
	40	3.80	-6.229	-0.0036	-2.5 to 2.5	Pass			
	50	3.80	-17.011	-0.0099	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.23	-7.749	-0.0045	-2.5 to 2.5	Pass
					3.80	-23.634	-0.0136	-2.5 to 2.5	Pass
					4.37	-10.272	-0.0059	-2.5 to 2.5	Pass
				-30	3.80	-19.133	-0.0110	-2.5 to 2.5	Pass
				-20	3.80	-15.090	-0.0087	-2.5 to 2.5	Pass
				-10	3.80	-11.826	-0.0068	-2.5 to 2.5	Pass
				0	3.80	-17.530	-0.0101	-2.5 to 2.5	Pass
				10	3.80	-5.327	-0.0031	-2.5 to 2.5	Pass
				30	3.80	-8.391	-0.0048	-2.5 to 2.5	Pass
	40	3.80	-28.364	-0.0164	-2.5 to 2.5	Pass			
	50	3.80	-12.773	-0.0074	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.23	-23.446	-0.0134	-2.5 to 2.5	Pass
					3.80	0.594	0.0003	-2.5 to 2.5	Pass
					4.37	-13.664	-0.0078	-2.5 to 2.5	Pass
				-30	3.80	-18.988	-0.0108	-2.5 to 2.5	Pass
				-20	3.80	-7.215	-0.0041	-2.5 to 2.5	Pass
-10				3.80	-10.125	-0.0058	-2.5 to 2.5	Pass	
0				3.80	-19.352	-0.0110	-2.5 to 2.5	Pass	
10				3.80	-9.834	-0.0056	-2.5 to 2.5	Pass	
30				3.80	-12.697	-0.0072	-2.5 to 2.5	Pass	
40	3.80	-0.945	-0.0005	-2.5 to 2.5	Pass				
50	3.80	-16.056	-0.0092	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.23	-11.472	-0.0067	-2.5 to 2.5	Pass
					3.80	-14.529	-0.0085	-2.5 to 2.5	Pass
					4.37	-6.243	-0.0036	-2.5 to 2.5	Pass
				-30	3.80	-10.665	-0.0062	-2.5 to 2.5	Pass
				-20	3.80	-14.062	-0.0082	-2.5 to 2.5	Pass
				-10	3.80	-10.840	-0.0063	-2.5 to 2.5	Pass
				0	3.80	-11.190	-0.0065	-2.5 to 2.5	Pass
				10	3.80	-19.739	-0.0115	-2.5 to 2.5	Pass
				30	3.80	-9.376	-0.0055	-2.5 to 2.5	Pass
40	3.80	-16.423	-0.0096	-2.5 to 2.5	Pass				
50	3.80	0.813	0.0005	-2.5 to 2.5	Pass				

	1732.5	6	0	20	3.23	-1.247	-0.0007	-2.5 to 2.5	Pass
					3.80	-5.162	-0.0030	-2.5 to 2.5	Pass
					4.37	-0.659	-0.0004	-2.5 to 2.5	Pass
				-30	3.80	-6.921	-0.0040	-2.5 to 2.5	Pass
				-20	3.80	-25.545	-0.0147	-2.5 to 2.5	Pass
				-10	3.80	-7.846	-0.0045	-2.5 to 2.5	Pass
				0	3.80	-16.352	-0.0094	-2.5 to 2.5	Pass
				10	3.80	-7.220	-0.0042	-2.5 to 2.5	Pass
				30	3.80	-17.092	-0.0099	-2.5 to 2.5	Pass
	40	3.80	1.077	0.0006	-2.5 to 2.5	Pass			
	50	3.80	-4.479	-0.0026	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.23	-13.198	-0.0075	-2.5 to 2.5	Pass
					3.80	-7.687	-0.0044	-2.5 to 2.5	Pass
					4.37	-14.038	-0.0080	-2.5 to 2.5	Pass
				-30	3.80	1.246	0.0007	-2.5 to 2.5	Pass
				-20	3.80	-22.994	-0.0131	-2.5 to 2.5	Pass
				-10	3.80	0.470	0.0003	-2.5 to 2.5	Pass
				0	3.80	-3.756	-0.0021	-2.5 to 2.5	Pass
				10	3.80	-10.250	-0.0058	-2.5 to 2.5	Pass
30				3.80	-9.152	-0.0052	-2.5 to 2.5	Pass	
40	3.80	-11.507	-0.0066	-2.5 to 2.5	Pass				
50	3.80	-5.395	-0.0031	-2.5 to 2.5	Pass				

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.23	-29.526	-0.0173	-2.5 to 2.5	Pass
					3.80	-21.797	-0.0127	-2.5 to 2.5	Pass
					4.37	-17.914	-0.0105	-2.5 to 2.5	Pass
				-30	3.80	-19.224	-0.0112	-2.5 to 2.5	Pass
				-20	3.80	0.173	0.0001	-2.5 to 2.5	Pass
				-10	3.80	-12.446	-0.0073	-2.5 to 2.5	Pass
				0	3.80	-21.714	-0.0127	-2.5 to 2.5	Pass
				10	3.80	-3.317	-0.0019	-2.5 to 2.5	Pass
				30	3.80	-21.755	-0.0127	-2.5 to 2.5	Pass
				40	3.80	-12.716	-0.0074	-2.5 to 2.5	Pass
	50	3.80	-21.125	-0.0123	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.23	-18.252	-0.0105	-2.5 to 2.5	Pass
					3.80	-18.639	-0.0108	-2.5 to 2.5	Pass
					4.37	-13.231	-0.0076	-2.5 to 2.5	Pass
				-30	3.80	-22.357	-0.0129	-2.5 to 2.5	Pass
				-20	3.80	-17.092	-0.0099	-2.5 to 2.5	Pass
				-10	3.80	-19.714	-0.0114	-2.5 to 2.5	Pass
				0	3.80	-20.970	-0.0121	-2.5 to 2.5	Pass
				10	3.80	-9.201	-0.0053	-2.5 to 2.5	Pass
				30	3.80	1.894	0.0011	-2.5 to 2.5	Pass
				40	3.80	-4.902	-0.0028	-2.5 to 2.5	Pass
	50	3.80	-9.874	-0.0057	-2.5 to 2.5	Pass			
	1753.5	15	0	20	3.23	-4.240	-0.0024	-2.5 to 2.5	Pass
					3.80	-14.854	-0.0085	-2.5 to 2.5	Pass
					4.37	-18.392	-0.0105	-2.5 to 2.5	Pass
				-30	3.80	-3.170	-0.0018	-2.5 to 2.5	Pass
				-20	3.80	-24.589	-0.0140	-2.5 to 2.5	Pass
				-10	3.80	-10.840	-0.0062	-2.5 to 2.5	Pass
				0	3.80	-18.656	-0.0106	-2.5 to 2.5	Pass
				10	3.80	-21.986	-0.0125	-2.5 to 2.5	Pass
30				3.80	-0.861	-0.0005	-2.5 to 2.5	Pass	
40				3.80	-25.170	-0.0144	-2.5 to 2.5	Pass	
50	3.80	-7.247	-0.0041	-2.5 to 2.5	Pass				
16QAM	1711.5	15	0	20	3.23	-10.071	-0.0059	-2.5 to 2.5	Pass
					3.80	-8.203	-0.0048	-2.5 to 2.5	Pass
					4.37	-12.292	-0.0072	-2.5 to 2.5	Pass
				-30	3.80	-8.024	-0.0047	-2.5 to 2.5	Pass
				-20	3.80	-20.329	-0.0119	-2.5 to 2.5	Pass
				-10	3.80	-4.857	-0.0028	-2.5 to 2.5	Pass
				0	3.80	-18.192	-0.0106	-2.5 to 2.5	Pass
				10	3.80	-24.677	-0.0144	-2.5 to 2.5	Pass
				30	3.80	2.011	0.0012	-2.5 to 2.5	Pass
				40	3.80	-19.302	-0.0113	-2.5 to 2.5	Pass
	50	3.80	-12.536	-0.0073	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.23	-19.924	-0.0115	-2.5 to 2.5	Pass
					3.80	-17.975	-0.0104	-2.5 to 2.5	Pass
					4.37	-18.041	-0.0104	-2.5 to 2.5	Pass

	1753.5	15	0	-30	3.80	-4.684	-0.0027	-2.5 to 2.5	Pass
				-20	3.80	-10.176	-0.0059	-2.5 to 2.5	Pass
				-10	3.80	-3.364	-0.0019	-2.5 to 2.5	Pass
				0	3.80	-27.109	-0.0156	-2.5 to 2.5	Pass
				10	3.80	-3.733	-0.0022	-2.5 to 2.5	Pass
				30	3.80	-17.449	-0.0101	-2.5 to 2.5	Pass
				40	3.80	-21.955	-0.0127	-2.5 to 2.5	Pass
				50	3.80	-12.085	-0.0070	-2.5 to 2.5	Pass
				20	3.23	-19.311	-0.0110	-2.5 to 2.5	Pass
		3.80	-18.564	-0.0106	-2.5 to 2.5	Pass			
		4.37	-14.640	-0.0083	-2.5 to 2.5	Pass			
	-30	3.80	-4.495	-0.0026	-2.5 to 2.5	Pass			
	-20	3.80	-17.911	-0.0102	-2.5 to 2.5	Pass			
	-10	3.80	-18.053	-0.0103	-2.5 to 2.5	Pass			
	0	3.80	-17.181	-0.0098	-2.5 to 2.5	Pass			
	10	3.80	-8.265	-0.0047	-2.5 to 2.5	Pass			
	30	3.80	-5.460	-0.0031	-2.5 to 2.5	Pass			
	40	3.80	-9.689	-0.0055	-2.5 to 2.5	Pass			
50	3.80	-12.316	-0.0070	-2.5 to 2.5	Pass				

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.23	-13.124	-0.0077	-2.5 to 2.5	Pass
					3.80	-4.120	-0.0024	-2.5 to 2.5	Pass
					4.37	-24.388	-0.0142	-2.5 to 2.5	Pass
				-30	3.80	-12.596	-0.0074	-2.5 to 2.5	Pass
				-20	3.80	-20.133	-0.0118	-2.5 to 2.5	Pass
				-10	3.80	-17.560	-0.0103	-2.5 to 2.5	Pass
				0	3.80	-18.341	-0.0107	-2.5 to 2.5	Pass
				10	3.80	-4.441	-0.0026	-2.5 to 2.5	Pass
				30	3.80	1.142	0.0007	-2.5 to 2.5	Pass
	40	3.80	-11.937	-0.0070	-2.5 to 2.5	Pass			
	50	3.80	-26.822	-0.0157	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.23	-13.643	-0.0079	-2.5 to 2.5	Pass
					3.80	-12.944	-0.0075	-2.5 to 2.5	Pass
					4.37	-13.138	-0.0076	-2.5 to 2.5	Pass
				-30	3.80	-26.100	-0.0151	-2.5 to 2.5	Pass
				-20	3.80	-22.623	-0.0131	-2.5 to 2.5	Pass
				-10	3.80	-22.178	-0.0128	-2.5 to 2.5	Pass
				0	3.80	-10.509	-0.0061	-2.5 to 2.5	Pass
				10	3.80	-3.004	-0.0017	-2.5 to 2.5	Pass
				30	3.80	-10.708	-0.0062	-2.5 to 2.5	Pass
	40	3.80	-15.437	-0.0089	-2.5 to 2.5	Pass			
	50	3.80	-7.778	-0.0045	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.23	-4.626	-0.0026	-2.5 to 2.5	Pass
					3.80	-10.629	-0.0061	-2.5 to 2.5	Pass
					4.37	-13.670	-0.0078	-2.5 to 2.5	Pass
				-30	3.80	-14.832	-0.0085	-2.5 to 2.5	Pass
				-20	3.80	-23.341	-0.0133	-2.5 to 2.5	Pass
-10	3.80	-21.028	-0.0120	-2.5 to 2.5	Pass				

				0	3.80	-8.902	-0.0051	-2.5 to 2.5	Pass
				10	3.80	-11.200	-0.0064	-2.5 to 2.5	Pass
				30	3.80	-14.164	-0.0081	-2.5 to 2.5	Pass
				40	3.80	-14.350	-0.0082	-2.5 to 2.5	Pass
				50	3.80	-29.051	-0.0166	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.23	-8.022	-0.0047	-2.5 to 2.5	Pass
					3.80	-7.344	-0.0043	-2.5 to 2.5	Pass
					4.37	0.540	0.0003	-2.5 to 2.5	Pass
				-30	3.80	-11.679	-0.0068	-2.5 to 2.5	Pass
				-20	3.80	-21.257	-0.0124	-2.5 to 2.5	Pass
				-10	3.80	-11.107	-0.0065	-2.5 to 2.5	Pass
				0	3.80	-6.687	-0.0039	-2.5 to 2.5	Pass
				10	3.80	-15.120	-0.0088	-2.5 to 2.5	Pass
				30	3.80	-19.842	-0.0116	-2.5 to 2.5	Pass
				40	3.80	-0.395	-0.0002	-2.5 to 2.5	Pass
	50	3.80	-7.908	-0.0046	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.23	-16.741	-0.0097	-2.5 to 2.5	Pass
					3.80	-11.681	-0.0067	-2.5 to 2.5	Pass
					4.37	-4.715	-0.0027	-2.5 to 2.5	Pass
				-30	3.80	-0.233	-0.0001	-2.5 to 2.5	Pass
				-20	3.80	-5.069	-0.0029	-2.5 to 2.5	Pass
				-10	3.80	-3.080	-0.0018	-2.5 to 2.5	Pass
				0	3.80	-25.162	-0.0145	-2.5 to 2.5	Pass
				10	3.80	5.609	0.0032	-2.5 to 2.5	Pass
				30	3.80	-16.990	-0.0098	-2.5 to 2.5	Pass
				40	3.80	-9.644	-0.0056	-2.5 to 2.5	Pass
	50	3.80	-12.204	-0.0070	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.23	6.293	0.0036	-2.5 to 2.5	Pass
					3.80	-8.681	-0.0050	-2.5 to 2.5	Pass
					4.37	-13.686	-0.0078	-2.5 to 2.5	Pass
				-30	3.80	-9.513	-0.0054	-2.5 to 2.5	Pass
				-20	3.80	-23.153	-0.0132	-2.5 to 2.5	Pass
				-10	3.80	-15.622	-0.0089	-2.5 to 2.5	Pass
				0	3.80	-6.612	-0.0038	-2.5 to 2.5	Pass
				10	3.80	-13.583	-0.0078	-2.5 to 2.5	Pass
30				3.80	-9.428	-0.0054	-2.5 to 2.5	Pass	
40				3.80	-9.361	-0.0053	-2.5 to 2.5	Pass	
50	3.80	-12.101	-0.0069	-2.5 to 2.5	Pass				

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.23	-16.069	-0.0094	-2.5 to 2.5	Pass
					3.80	-25.517	-0.0149	-2.5 to 2.5	Pass
					4.37	-8.715	-0.0051	-2.5 to 2.5	Pass
				-30	3.80	-0.338	-0.0002	-2.5 to 2.5	Pass
				-20	3.80	1.557	0.0009	-2.5 to 2.5	Pass
				-10	3.80	-15.080	-0.0088	-2.5 to 2.5	Pass
				0	3.80	-14.343	-0.0084	-2.5 to 2.5	Pass
				10	3.80	-6.049	-0.0035	-2.5 to 2.5	Pass
				30	3.80	-1.541	-0.0009	-2.5 to 2.5	Pass

	1732.5	50	0	40	3.80	-10.894	-0.0064	-2.5 to 2.5	Pass
				50	3.80	-3.794	-0.0022	-2.5 to 2.5	Pass
				20	3.23	-23.527	-0.0136	-2.5 to 2.5	Pass
					3.80	-4.331	-0.0025	-2.5 to 2.5	Pass
					4.37	-3.335	-0.0019	-2.5 to 2.5	Pass
				-30	3.80	-6.525	-0.0038	-2.5 to 2.5	Pass
				-20	3.80	-18.749	-0.0108	-2.5 to 2.5	Pass
				-10	3.80	-18.381	-0.0106	-2.5 to 2.5	Pass
				0	3.80	-15.453	-0.0089	-2.5 to 2.5	Pass
				10	3.80	1.567	0.0009	-2.5 to 2.5	Pass
	30	3.80	-8.285	-0.0048	-2.5 to 2.5	Pass			
	1750	50	0	20	3.23	-11.341	-0.0065	-2.5 to 2.5	Pass
					3.80	-14.598	-0.0083	-2.5 to 2.5	Pass
					4.37	-18.400	-0.0105	-2.5 to 2.5	Pass
				-30	3.80	-4.714	-0.0027	-2.5 to 2.5	Pass
				-20	3.80	-4.739	-0.0027	-2.5 to 2.5	Pass
				-10	3.80	-10.197	-0.0058	-2.5 to 2.5	Pass
				0	3.80	-11.501	-0.0066	-2.5 to 2.5	Pass
				10	3.80	-13.616	-0.0078	-2.5 to 2.5	Pass
				30	3.80	-10.783	-0.0062	-2.5 to 2.5	Pass
40				3.80	-15.166	-0.0087	-2.5 to 2.5	Pass	
16QAM	1715	50	0	20	3.23	-22.897	-0.0134	-2.5 to 2.5	Pass
					3.80	-6.395	-0.0037	-2.5 to 2.5	Pass
					4.37	-22.373	-0.0130	-2.5 to 2.5	Pass
				-30	3.80	-2.990	-0.0017	-2.5 to 2.5	Pass
				-20	3.80	-9.516	-0.0055	-2.5 to 2.5	Pass
				-10	3.80	-9.184	-0.0054	-2.5 to 2.5	Pass
				0	3.80	-11.068	-0.0065	-2.5 to 2.5	Pass
				10	3.80	-8.450	-0.0049	-2.5 to 2.5	Pass
				30	3.80	-16.579	-0.0097	-2.5 to 2.5	Pass
				40	3.80	1.185	0.0007	-2.5 to 2.5	Pass
	50	3.80	3.712	0.0022	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.23	-11.492	-0.0066	-2.5 to 2.5	Pass
					3.80	-7.269	-0.0042	-2.5 to 2.5	Pass
					4.37	-18.025	-0.0104	-2.5 to 2.5	Pass
				-30	3.80	-15.255	-0.0088	-2.5 to 2.5	Pass
				-20	3.80	-16.669	-0.0096	-2.5 to 2.5	Pass
				-10	3.80	-11.524	-0.0067	-2.5 to 2.5	Pass
				0	3.80	-23.304	-0.0135	-2.5 to 2.5	Pass
				10	3.80	-3.806	-0.0022	-2.5 to 2.5	Pass
				30	3.80	-18.155	-0.0105	-2.5 to 2.5	Pass
40				3.80	1.490	0.0009	-2.5 to 2.5	Pass	
50	3.80	-21.677	-0.0125	-2.5 to 2.5	Pass				
1750	50	0	20	3.23	-19.728	-0.0113	-2.5 to 2.5	Pass	
				3.80	-23.773	-0.0136	-2.5 to 2.5	Pass	
				4.37	-9.329	-0.0053	-2.5 to 2.5	Pass	
			-30	3.80	-19.165	-0.0110	-2.5 to 2.5	Pass	
			-20	3.80	-21.265	-0.0122	-2.5 to 2.5	Pass	
			-10	3.80	-16.391	-0.0094	-2.5 to 2.5	Pass	
			0	3.80	-19.168	-0.0110	-2.5 to 2.5	Pass	
			10	3.80	-15.049	-0.0086	-2.5 to 2.5	Pass	
			30	3.80	-3.018	-0.0017	-2.5 to 2.5	Pass	
			40	3.80	-2.634	-0.0015	-2.5 to 2.5	Pass	
50	3.80	-1.781	-0.0010	-2.5 to 2.5	Pass				

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.23	-12.979	-0.0076	-2.5 to 2.5	Pass
					3.80	-7.468	-0.0043	-2.5 to 2.5	Pass
					4.37	-9.352	-0.0054	-2.5 to 2.5	Pass
				-30	3.80	-20.262	-0.0118	-2.5 to 2.5	Pass
				-20	3.80	-16.704	-0.0097	-2.5 to 2.5	Pass
				-10	3.80	-9.681	-0.0056	-2.5 to 2.5	Pass
				0	3.80	-4.792	-0.0028	-2.5 to 2.5	Pass
				10	3.80	-15.702	-0.0091	-2.5 to 2.5	Pass
				30	3.80	-16.453	-0.0096	-2.5 to 2.5	Pass
				40	3.80	-11.835	-0.0069	-2.5 to 2.5	Pass
	50	3.80	-15.960	-0.0093	-2.5 to 2.5	Pass			
	1732.5	75	0	20	3.23	-16.518	-0.0095	-2.5 to 2.5	Pass
					3.80	-19.246	-0.0111	-2.5 to 2.5	Pass
					4.37	-7.898	-0.0046	-2.5 to 2.5	Pass
				-30	3.80	-9.908	-0.0057	-2.5 to 2.5	Pass
				-20	3.80	-7.728	-0.0045	-2.5 to 2.5	Pass
				-10	3.80	-22.517	-0.0130	-2.5 to 2.5	Pass
				0	3.80	-23.808	-0.0138	-2.5 to 2.5	Pass
				10	3.80	-11.421	-0.0066	-2.5 to 2.5	Pass
				30	3.80	-16.347	-0.0094	-2.5 to 2.5	Pass
				40	3.80	-13.707	-0.0079	-2.5 to 2.5	Pass
	50	3.80	-9.627	-0.0056	-2.5 to 2.5	Pass			
	1747.5	75	0	20	3.23	-13.794	-0.0079	-2.5 to 2.5	Pass
					3.80	-10.082	-0.0058	-2.5 to 2.5	Pass
					4.37	-20.469	-0.0117	-2.5 to 2.5	Pass
				-30	3.80	-16.895	-0.0097	-2.5 to 2.5	Pass
				-20	3.80	-22.162	-0.0127	-2.5 to 2.5	Pass
				-10	3.80	-17.016	-0.0097	-2.5 to 2.5	Pass
				0	3.80	2.023	0.0012	-2.5 to 2.5	Pass
				10	3.80	-12.757	-0.0073	-2.5 to 2.5	Pass
30				3.80	-11.967	-0.0068	-2.5 to 2.5	Pass	
40				3.80	-21.449	-0.0123	-2.5 to 2.5	Pass	
50	3.80	-4.497	-0.0026	-2.5 to 2.5	Pass				
16QAM	1717.5	75	0	20	3.23	-4.168	-0.0024	-2.5 to 2.5	Pass
					3.80	-8.658	-0.0050	-2.5 to 2.5	Pass
					4.37	-17.766	-0.0103	-2.5 to 2.5	Pass
				-30	3.80	-3.782	-0.0022	-2.5 to 2.5	Pass
				-20	3.80	-13.829	-0.0081	-2.5 to 2.5	Pass
				-10	3.80	-3.690	-0.0021	-2.5 to 2.5	Pass
				0	3.80	-14.955	-0.0087	-2.5 to 2.5	Pass
				10	3.80	-10.091	-0.0059	-2.5 to 2.5	Pass
				30	3.80	-8.838	-0.0051	-2.5 to 2.5	Pass
				40	3.80	-24.542	-0.0143	-2.5 to 2.5	Pass
	50	3.80	-7.949	-0.0046	-2.5 to 2.5	Pass			
	1732.5	75	0	20	3.23	-22.404	-0.0129	-2.5 to 2.5	Pass
					3.80	-19.699	-0.0114	-2.5 to 2.5	Pass
					4.37	-1.836	-0.0011	-2.5 to 2.5	Pass

				-30	3.80	-13.544	-0.0078	-2.5 to 2.5	Pass			
				-20	3.80	-9.329	-0.0054	-2.5 to 2.5	Pass			
				-10	3.80	-21.852	-0.0126	-2.5 to 2.5	Pass			
				0	3.80	-20.130	-0.0116	-2.5 to 2.5	Pass			
				10	3.80	-9.630	-0.0056	-2.5 to 2.5	Pass			
				30	3.80	-25.810	-0.0149	-2.5 to 2.5	Pass			
				40	3.80	-15.480	-0.0089	-2.5 to 2.5	Pass			
				50	3.80	-22.124	-0.0128	-2.5 to 2.5	Pass			
				1747.5	75	0	20	3.23	-3.676	-0.0021	-2.5 to 2.5	Pass
								3.80	-7.841	-0.0045	-2.5 to 2.5	Pass
	4.37	-15.680	-0.0090					-2.5 to 2.5	Pass			
	-30	3.80	-3.736				-0.0021	-2.5 to 2.5	Pass			
	-20	3.80	-20.710				-0.0119	-2.5 to 2.5	Pass			
	-10	3.80	-7.006				-0.0040	-2.5 to 2.5	Pass			
	0	3.80	-21.879				-0.0125	-2.5 to 2.5	Pass			
	10	3.80	-11.937				-0.0068	-2.5 to 2.5	Pass			
	30	3.80	-16.533				-0.0095	-2.5 to 2.5	Pass			
	40	3.80	-14.885				-0.0085	-2.5 to 2.5	Pass			
	50	3.80	-11.171	-0.0064	-2.5 to 2.5	Pass						

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	1720	100	0	20	3.23	-22.193	-0.0129	-2.5 to 2.5	Pass			
					3.80	-5.656	-0.0033	-2.5 to 2.5	Pass			
					4.37	-9.650	-0.0056	-2.5 to 2.5	Pass			
				-30	3.80	-2.356	-0.0014	-2.5 to 2.5	Pass			
				-20	3.80	-4.804	-0.0028	-2.5 to 2.5	Pass			
				-10	3.80	-1.969	-0.0011	-2.5 to 2.5	Pass			
				0	3.80	-4.161	-0.0024	-2.5 to 2.5	Pass			
				10	3.80	-24.809	-0.0144	-2.5 to 2.5	Pass			
				30	3.80	-12.458	-0.0072	-2.5 to 2.5	Pass			
				40	3.80	-6.876	-0.0040	-2.5 to 2.5	Pass			
				50	3.80	-16.275	-0.0095	-2.5 to 2.5	Pass			
				1732.5	100	0	20	3.23	-17.265	-0.0100	-2.5 to 2.5	Pass
								3.80	-6.086	-0.0035	-2.5 to 2.5	Pass
								4.37	-12.093	-0.0070	-2.5 to 2.5	Pass
							-30	3.80	-15.193	-0.0088	-2.5 to 2.5	Pass
	-20	3.80	-15.230				-0.0088	-2.5 to 2.5	Pass			
	-10	3.80	-11.345				-0.0065	-2.5 to 2.5	Pass			
	0	3.80	-14.719				-0.0085	-2.5 to 2.5	Pass			
	10	3.80	-0.206				-0.0001	-2.5 to 2.5	Pass			
	30	3.80	-11.693				-0.0067	-2.5 to 2.5	Pass			
	40	3.80	-12.772				-0.0074	-2.5 to 2.5	Pass			
	50	3.80	-22.933				-0.0132	-2.5 to 2.5	Pass			
	1745	100	0				20	3.23	-9.494	-0.0054	-2.5 to 2.5	Pass
								3.80	-11.611	-0.0067	-2.5 to 2.5	Pass
								4.37	-9.067	-0.0052	-2.5 to 2.5	Pass
							-30	3.80	-11.645	-0.0067	-2.5 to 2.5	Pass
				-20	3.80	-17.749	-0.0102	-2.5 to 2.5	Pass			
				-10	3.80	-5.478	-0.0031	-2.5 to 2.5	Pass			

				0	3.80	1.335	0.0008	-2.5 to 2.5	Pass
				10	3.80	-22.680	-0.0130	-2.5 to 2.5	Pass
				30	3.80	-22.870	-0.0131	-2.5 to 2.5	Pass
				40	3.80	-20.533	-0.0118	-2.5 to 2.5	Pass
				50	3.80	-11.499	-0.0066	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.23	-3.804	-0.0022	-2.5 to 2.5	Pass
					3.80	-9.793	-0.0057	-2.5 to 2.5	Pass
					4.37	-15.227	-0.0089	-2.5 to 2.5	Pass
				-30	3.80	-1.904	-0.0011	-2.5 to 2.5	Pass
				-20	3.80	-18.300	-0.0106	-2.5 to 2.5	Pass
				-10	3.80	0.333	0.0002	-2.5 to 2.5	Pass
				0	3.80	-10.350	-0.0060	-2.5 to 2.5	Pass
				10	3.80	-15.775	-0.0092	-2.5 to 2.5	Pass
				30	3.80	-10.971	-0.0064	-2.5 to 2.5	Pass
				40	3.80	-16.363	-0.0095	-2.5 to 2.5	Pass
	50	3.80	-10.984	-0.0064	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.23	-17.518	-0.0101	-2.5 to 2.5	Pass
					3.80	-0.360	-0.0002	-2.5 to 2.5	Pass
					4.37	-5.461	-0.0032	-2.5 to 2.5	Pass
				-30	3.80	1.021	0.0006	-2.5 to 2.5	Pass
				-20	3.80	-0.046	0.0000	-2.5 to 2.5	Pass
				-10	3.80	-4.324	-0.0025	-2.5 to 2.5	Pass
				0	3.80	-19.112	-0.0110	-2.5 to 2.5	Pass
				10	3.80	-14.506	-0.0084	-2.5 to 2.5	Pass
				30	3.80	-19.375	-0.0112	-2.5 to 2.5	Pass
				40	3.80	-5.361	-0.0031	-2.5 to 2.5	Pass
	50	3.80	-6.030	-0.0035	-2.5 to 2.5	Pass			
	1745	100	0	20	3.23	-14.111	-0.0081	-2.5 to 2.5	Pass
					3.80	-9.939	-0.0057	-2.5 to 2.5	Pass
					4.37	-10.827	-0.0062	-2.5 to 2.5	Pass
				-30	3.80	-17.784	-0.0102	-2.5 to 2.5	Pass
				-20	3.80	-0.331	-0.0002	-2.5 to 2.5	Pass
				-10	3.80	-8.772	-0.0050	-2.5 to 2.5	Pass
				0	3.80	-18.244	-0.0105	-2.5 to 2.5	Pass
				10	3.80	-12.617	-0.0072	-2.5 to 2.5	Pass
30				3.80	-7.918	-0.0045	-2.5 to 2.5	Pass	
40				3.80	-10.042	-0.0058	-2.5 to 2.5	Pass	
50	3.80	-2.493	-0.0014	-2.5 to 2.5	Pass				

3. Frequency Stability

3.1 B40a_5MHz

3.1.1 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	3.23	-20.595	-0.0089	-2.5 to 2.5	Pass
					3.80	-7.414	-0.0032	-2.5 to 2.5	Pass
					4.37	-25.901	-0.0112	-2.5 to 2.5	Pass
				-30	3.80	-9.973	-0.0043	-2.5 to 2.5	Pass
				-20	3.80	-29.185	-0.0126	-2.5 to 2.5	Pass
				-10	3.80	-6.115	-0.0027	-2.5 to 2.5	Pass

				0	3.80	-19.765	-0.0086	-2.5 to 2.5	Pass				
				10	3.80	-8.855	-0.0038	-2.5 to 2.5	Pass				
				30	3.80	-16.611	-0.0072	-2.5 to 2.5	Pass				
				40	3.80	-23.129	-0.0100	-2.5 to 2.5	Pass				
				50	3.80	-4.478	-0.0019	-2.5 to 2.5	Pass				
	2310	25	0	20	3.23	-27.199	-0.0118	-2.5 to 2.5	Pass				
					3.80	-13.239	-0.0057	-2.5 to 2.5	Pass				
					4.37	-29.055	-0.0126	-2.5 to 2.5	Pass				
				-30	3.80	-7.367	-0.0032	-2.5 to 2.5	Pass				
				-20	3.80	-7.651	-0.0033	-2.5 to 2.5	Pass				
				-10	3.80	-7.510	-0.0033	-2.5 to 2.5	Pass				
				0	3.80	-17.050	-0.0074	-2.5 to 2.5	Pass				
				10	3.80	-7.012	-0.0030	-2.5 to 2.5	Pass				
				30	3.80	-6.076	-0.0026	-2.5 to 2.5	Pass				
				40	3.80	-9.930	-0.0043	-2.5 to 2.5	Pass				
				50	3.80	-24.806	-0.0107	-2.5 to 2.5	Pass				
				2312.5	25	0	20	3.23	-11.966	-0.0052	-2.5 to 2.5	Pass	
								3.80	-26.720	-0.0116	-2.5 to 2.5	Pass	
	4.37	-13.873	-0.0060					-2.5 to 2.5	Pass				
	-30	3.80	-24.835				-0.0107	-2.5 to 2.5	Pass				
	-20	3.80	1.333				0.0006	-2.5 to 2.5	Pass				
	-10	3.80	-15.806				-0.0068	-2.5 to 2.5	Pass				
	0	3.80	-26.778				-0.0116	-2.5 to 2.5	Pass				
	10	3.80	-28.996				-0.0125	-2.5 to 2.5	Pass				
	30	3.80	-3.614				-0.0016	-2.5 to 2.5	Pass				
	40	3.80	-11.510				-0.0050	-2.5 to 2.5	Pass				
	50	3.80	-21.749				-0.0094	-2.5 to 2.5	Pass				
	16QAM	2307.5	25				0	20	3.23	-11.912	-0.0052	-2.5 to 2.5	Pass
									3.80	7.084	0.0031	-2.5 to 2.5	Pass
				4.37	-6.793	-0.0029			-2.5 to 2.5	Pass			
				-30	3.80	-17.404		-0.0075	-2.5 to 2.5	Pass			
				-20	3.80	-34.160		-0.0148	-2.5 to 2.5	Pass			
				-10	3.80	-11.110		-0.0048	-2.5 to 2.5	Pass			
0				3.80	-28.177	-0.0122		-2.5 to 2.5	Pass				
10				3.80	-4.528	-0.0020		-2.5 to 2.5	Pass				
30				3.80	-12.470	-0.0054		-2.5 to 2.5	Pass				
40				3.80	-15.868	-0.0069		-2.5 to 2.5	Pass				
50				3.80	1.216	0.0005		-2.5 to 2.5	Pass				
2310				25	0	20		3.23	-22.978	-0.0099	-2.5 to 2.5	Pass	
								3.80	-20.390	-0.0088	-2.5 to 2.5	Pass	
		4.37	-9.931				-0.0043	-2.5 to 2.5	Pass				
		-30	3.80			-11.125	-0.0048	-2.5 to 2.5	Pass				
		-20	3.80			-27.539	-0.0119	-2.5 to 2.5	Pass				
		-10	3.80			-11.866	-0.0051	-2.5 to 2.5	Pass				
		0	3.80			-24.679	-0.0107	-2.5 to 2.5	Pass				
		10	3.80			-15.796	-0.0068	-2.5 to 2.5	Pass				
		30	3.80			0.484	0.0002	-2.5 to 2.5	Pass				
		40	3.80			-21.000	-0.0091	-2.5 to 2.5	Pass				
		50	3.80			-18.538	-0.0080	-2.5 to 2.5	Pass				
		2312.5	25			0	20	3.23	-15.910	-0.0069	-2.5 to 2.5	Pass	
								3.80	-24.249	-0.0105	-2.5 to 2.5	Pass	
4.37				-8.867	-0.0038			-2.5 to 2.5	Pass				
-30				3.80	-3.468		-0.0015	-2.5 to 2.5	Pass				
-20				3.80	-12.158		-0.0053	-2.5 to 2.5	Pass				
-10				3.80	-11.531		-0.0050	-2.5 to 2.5	Pass				
0				3.80	-36.195		-0.0157	-2.5 to 2.5	Pass				
10		3.80	-11.112	-0.0048	-2.5 to 2.5	Pass							

				30	3.80	-17.144	-0.0074	-2.5 to 2.5	Pass
				40	3.80	-15.683	-0.0068	-2.5 to 2.5	Pass
				50	3.80	-16.187	-0.0070	-2.5 to 2.5	Pass

3.2 B40a_10MHz

3.2.1 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	3.23	-7.906	-0.0034	-2.5 to 2.5	Pass	
					3.80	-15.968	-0.0069	-2.5 to 2.5	Pass	
					4.37	0.559	0.0002	-2.5 to 2.5	Pass	
				-30	3.80	-13.832	-0.0060	-2.5 to 2.5	Pass	
					-20	3.80	-22.696	-0.0098	-2.5 to 2.5	Pass
						3.80	-15.520	-0.0067	-2.5 to 2.5	Pass
					0	3.80	-22.585	-0.0098	-2.5 to 2.5	Pass
					10	3.80	-35.607	-0.0154	-2.5 to 2.5	Pass
					30	3.80	-26.575	-0.0115	-2.5 to 2.5	Pass
					40	3.80	-16.743	-0.0072	-2.5 to 2.5	Pass
50	3.80	-7.417	-0.0032	-2.5 to 2.5	Pass					
16QAM	2310	50	0	20	3.23	-25.341	-0.0110	-2.5 to 2.5	Pass	
					3.80	-12.666	-0.0055	-2.5 to 2.5	Pass	
					4.37	-13.520	-0.0059	-2.5 to 2.5	Pass	
				-30	3.80	-16.316	-0.0071	-2.5 to 2.5	Pass	
					-20	3.80	-2.029	-0.0009	-2.5 to 2.5	Pass
						3.80	-35.358	-0.0153	-2.5 to 2.5	Pass
					0	3.80	-7.891	-0.0034	-2.5 to 2.5	Pass
					10	3.80	5.670	0.0025	-2.5 to 2.5	Pass
					30	3.80	-19.230	-0.0083	-2.5 to 2.5	Pass
					40	3.80	-9.450	-0.0041	-2.5 to 2.5	Pass
50	3.80	-14.248	-0.0062	-2.5 to 2.5	Pass					

4. Frequency Stability

4.1 B40b_5MHz

4.1.1 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	3.23	-18.922	-0.0080	-2.5 to 2.5	Pass	
					3.80	-11.384	-0.0048	-2.5 to 2.5	Pass	
					4.37	-29.926	-0.0127	-2.5 to 2.5	Pass	
				-30	3.80	-33.772	-0.0144	-2.5 to 2.5	Pass	
					-20	3.80	-32.421	-0.0138	-2.5 to 2.5	Pass
						3.80	-17.030	-0.0072	-2.5 to 2.5	Pass
					0	3.80	-11.040	-0.0047	-2.5 to 2.5	Pass
					10	3.80	-23.310	-0.0099	-2.5 to 2.5	Pass
					30	3.80	-3.463	-0.0015	-2.5 to 2.5	Pass

	2355	25	0	40	3.80	-19.271	-0.0082	-2.5 to 2.5	Pass			
				50	3.80	-27.725	-0.0118	-2.5 to 2.5	Pass			
				20	3.23	-14.301	-0.0061	-2.5 to 2.5	Pass			
					3.80	5.047	0.0021	-2.5 to 2.5	Pass			
					4.37	-13.147	-0.0056	-2.5 to 2.5	Pass			
					3.80	-5.074	-0.0022	-2.5 to 2.5	Pass			
				-30	3.80	-29.127	-0.0124	-2.5 to 2.5	Pass			
				-20	3.80	-15.034	-0.0064	-2.5 to 2.5	Pass			
				-10	3.80	-27.357	-0.0116	-2.5 to 2.5	Pass			
				0	3.80	-21.671	-0.0092	-2.5 to 2.5	Pass			
				10	3.80	-20.954	-0.0089	-2.5 to 2.5	Pass			
				30	3.80	-14.291	-0.0061	-2.5 to 2.5	Pass			
				40	3.80	-30.607	-0.0130	-2.5 to 2.5	Pass			
				50	3.80	-27.987	-0.0119	-2.5 to 2.5	Pass			
	2357.5	25	0	20	3.80	-14.350	-0.0061	-2.5 to 2.5	Pass			
					4.37	-13.141	-0.0056	-2.5 to 2.5	Pass			
					3.80	-20.247	-0.0086	-2.5 to 2.5	Pass			
					3.80	-27.738	-0.0118	-2.5 to 2.5	Pass			
				-30	3.80	-5.923	-0.0025	-2.5 to 2.5	Pass			
				-20	3.80	-23.325	-0.0099	-2.5 to 2.5	Pass			
				-10	3.80	-16.355	-0.0069	-2.5 to 2.5	Pass			
				0	3.80	-6.602	-0.0028	-2.5 to 2.5	Pass			
				10	3.80	-6.803	-0.0029	-2.5 to 2.5	Pass			
				30	3.80	-23.535	-0.0100	-2.5 to 2.5	Pass			
				40	3.80	-7.111	-0.0030	-2.5 to 2.5	Pass			
				50	3.80	-13.813	-0.0059	-2.5 to 2.5	Pass			
2352.5				25	0	20	4.37	-6.817	-0.0029	-2.5 to 2.5	Pass	
							3.80	-19.173	-0.0082	-2.5 to 2.5	Pass	
		3.80	-5.556			-0.0024	-2.5 to 2.5	Pass				
		3.80	-10.546			-0.0045	-2.5 to 2.5	Pass				
	-30	3.80	-33.948			-0.0144	-2.5 to 2.5	Pass				
	-20	3.80	-19.880			-0.0085	-2.5 to 2.5	Pass				
	-10	3.80	-22.724			-0.0097	-2.5 to 2.5	Pass				
	0	3.80	-20.039			-0.0085	-2.5 to 2.5	Pass				
	10	3.80	-7.121			-0.0030	-2.5 to 2.5	Pass				
	30	3.80	-4.245			-0.0018	-2.5 to 2.5	Pass				
	40	3.80	-31.225			-0.0133	-2.5 to 2.5	Pass				
	50	3.80	-29.100			-0.0124	-2.5 to 2.5	Pass				
	16QAM	2355	25			0	20	3.80	3.784	0.0016	-2.5 to 2.5	Pass
								3.80	-28.962	-0.0123	-2.5 to 2.5	Pass
				3.80	-23.984		-0.0102	-2.5 to 2.5	Pass			
				3.80	-25.613		-0.0109	-2.5 to 2.5	Pass			
-30				3.80	-17.959		-0.0076	-2.5 to 2.5	Pass			
-20				3.80	-21.898		-0.0093	-2.5 to 2.5	Pass			
-10				3.80	-0.695		-0.0003	-2.5 to 2.5	Pass			
0				3.80	-31.463		-0.0134	-2.5 to 2.5	Pass			
10				3.80	-11.424		-0.0048	-2.5 to 2.5	Pass			
30				3.80	-18.552		-0.0079	-2.5 to 2.5	Pass			
40				3.80	-24.255		-0.0103	-2.5 to 2.5	Pass			
50				3.80	-24.070		-0.0102	-2.5 to 2.5	Pass			
2357.5				25	0		20	3.80	-1.814	-0.0008	-2.5 to 2.5	Pass
								3.80	0.157	0.0001	-2.5 to 2.5	Pass
		3.80	2.874			0.0012	-2.5 to 2.5	Pass				
		3.80	-3.381			-0.0014	-2.5 to 2.5	Pass				
	-30	3.80	-11.668			-0.0049	-2.5 to 2.5	Pass				
	-20	3.80	-9.447			-0.0040	-2.5 to 2.5	Pass				
	-10	3.80	-16.619			-0.0070	-2.5 to 2.5	Pass				
	0	3.80	-11.668			-0.0049	-2.5 to 2.5	Pass				
	10	3.80	-9.447			-0.0040	-2.5 to 2.5	Pass				
	30	3.80	-16.619			-0.0070	-2.5 to 2.5	Pass				
40	3.80	-11.668	-0.0049	-2.5 to 2.5	Pass							
50	3.80	-9.447	-0.0040	-2.5 to 2.5	Pass							

4.2 B40b_10MHz

4.2.1 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	3.23	-26.296	-0.0112	-2.5 to 2.5	Pass
					3.80	-23.773	-0.0101	-2.5 to 2.5	Pass
					4.37	-14.224	-0.0060	-2.5 to 2.5	Pass
				-30	3.80	-6.648	-0.0028	-2.5 to 2.5	Pass
				-20	3.80	-4.559	-0.0019	-2.5 to 2.5	Pass
				-10	3.80	-23.165	-0.0098	-2.5 to 2.5	Pass
				0	3.80	-21.008	-0.0089	-2.5 to 2.5	Pass
				10	3.80	-36.129	-0.0153	-2.5 to 2.5	Pass
				30	3.80	-25.291	-0.0107	-2.5 to 2.5	Pass
				40	3.80	-24.693	-0.0105	-2.5 to 2.5	Pass
50	3.80	-11.770	-0.0050	-2.5 to 2.5	Pass				
16QAM	2355	50	0	20	3.23	-17.139	-0.0073	-2.5 to 2.5	Pass
					3.80	-12.610	-0.0054	-2.5 to 2.5	Pass
					4.37	-17.759	-0.0075	-2.5 to 2.5	Pass
				-30	3.80	-16.209	-0.0069	-2.5 to 2.5	Pass
				-20	3.80	-5.519	-0.0023	-2.5 to 2.5	Pass
				-10	3.80	-16.312	-0.0069	-2.5 to 2.5	Pass
				0	3.80	-13.166	-0.0056	-2.5 to 2.5	Pass
				10	3.80	-12.159	-0.0052	-2.5 to 2.5	Pass
				30	3.80	-18.445	-0.0078	-2.5 to 2.5	Pass
				40	3.80	-7.947	-0.0034	-2.5 to 2.5	Pass
50	3.80	-14.950	-0.0063	-2.5 to 2.5	Pass				

5. Frequency Stability

5.1 B5_1.4MHz

5.1.1 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	3.23	-12.022	-0.0146	-2.5 to 2.5	Pass
					3.80	-25.007	-0.0303	-2.5 to 2.5	Pass
					4.37	-23.405	-0.0284	-2.5 to 2.5	Pass
				-30	3.80	-21.047	-0.0255	-2.5 to 2.5	Pass
				-20	3.80	-1.806	-0.0022	-2.5 to 2.5	Pass
				-10	3.80	-1.899	-0.0023	-2.5 to 2.5	Pass
				0	3.80	-16.627	-0.0202	-2.5 to 2.5	Pass
				10	3.80	-16.390	-0.0199	-2.5 to 2.5	Pass
				30	3.80	-8.055	-0.0098	-2.5 to 2.5	Pass
				40	3.80	-10.385	-0.0126	-2.5 to 2.5	Pass
				50	3.80	-11.157	-0.0135	-2.5 to 2.5	Pass
				836.5	6	0	20	3.23	-23.125

					3.80	-19.368	-0.0232	-2.5 to 2.5	Pass					
					4.37	-29.515	-0.0353	-2.5 to 2.5	Pass					
					-30	3.80	-24.105	-0.0288	-2.5 to 2.5	Pass				
					-20	3.80	-25.109	-0.0300	-2.5 to 2.5	Pass				
					-10	3.80	-31.159	-0.0372	-2.5 to 2.5	Pass				
					0	3.80	-37.182	-0.0444	-2.5 to 2.5	Pass				
					10	3.80	-30.099	-0.0360	-2.5 to 2.5	Pass				
					30	3.80	-22.050	-0.0264	-2.5 to 2.5	Pass				
					40	3.80	-33.382	-0.0399	-2.5 to 2.5	Pass				
					50	3.80	-28.587	-0.0342	-2.5 to 2.5	Pass				
					848.3	6	0	20	3.23	-21.033	-0.0248	-2.5 to 2.5	Pass	
									3.80	-17.771	-0.0209	-2.5 to 2.5	Pass	
									4.37	-9.963	-0.0117	-2.5 to 2.5	Pass	
									-30	3.80	-9.489	-0.0112	-2.5 to 2.5	Pass
									-20	3.80	-11.868	-0.0140	-2.5 to 2.5	Pass
									-10	3.80	-9.155	-0.0108	-2.5 to 2.5	Pass
									0	3.80	-4.955	-0.0058	-2.5 to 2.5	Pass
									10	3.80	-0.732	-0.0009	-2.5 to 2.5	Pass
									30	3.80	-14.388	-0.0170	-2.5 to 2.5	Pass
40	3.80	-24.781	-0.0292	-2.5 to 2.5					Pass					
50	3.80	-9.732	-0.0115	-2.5 to 2.5	Pass									
16QAM	824.7	6	0	20	3.23	-13.920	-0.0169	-2.5 to 2.5	Pass					
					3.80	-14.833	-0.0180	-2.5 to 2.5	Pass					
					4.37	-13.429	-0.0163	-2.5 to 2.5	Pass					
				-30	3.80	1.894	0.0023	-2.5 to 2.5	Pass					
				-20	3.80	0.584	0.0007	-2.5 to 2.5	Pass					
				-10	3.80	3.801	0.0047	-2.5 to 2.5	Pass					
				0	3.80	-2.824	-0.0034	-2.5 to 2.5	Pass					
				10	3.80	-3.615	-0.0044	-2.5 to 2.5	Pass					
				30	3.80	-16.648	-0.0202	-2.5 to 2.5	Pass					
				40	3.80	-21.047	-0.0255	-2.5 to 2.5	Pass					
				50	3.80	-16.289	-0.0198	-2.5 to 2.5	Pass					
				836.5	6	0	20	3.23	2.143	0.0026	-2.5 to 2.5	Pass		
								3.80	-9.824	-0.0117	-2.5 to 2.5	Pass		
	4.37	1.520	0.0018					-2.5 to 2.5	Pass					
	-30	3.80	-19.834				-0.0237	-2.5 to 2.5	Pass					
	-20	3.80	-21.814				-0.0261	-2.5 to 2.5	Pass					
	-10	3.80	-28.620				-0.0342	-2.5 to 2.5	Pass					
	0	3.80	5.688				0.0068	-2.5 to 2.5	Pass					
	10	3.80	-19.614				-0.0234	-2.5 to 2.5	Pass					
	30	3.80	-1.645				-0.0020	-2.5 to 2.5	Pass					
	40	3.80	-20.278				-0.0242	-2.5 to 2.5	Pass					
	50	3.80	-22.032				-0.0263	-2.5 to 2.5	Pass					
	848.3	6	0				20	3.23	-19.905	-0.0235	-2.5 to 2.5	Pass		
				3.80	-28.804	-0.0340		-2.5 to 2.5	Pass					
				4.37	-12.965	-0.0153		-2.5 to 2.5	Pass					
				-30	3.80	-7.268	-0.0086	-2.5 to 2.5	Pass					
				-20	3.80	-8.130	-0.0096	-2.5 to 2.5	Pass					
				-10	3.80	-22.890	-0.0270	-2.5 to 2.5	Pass					
0				3.80	-14.311	-0.0169	-2.5 to 2.5	Pass						
10				3.80	-19.311	-0.0228	-2.5 to 2.5	Pass						
30				3.80	-21.728	-0.0256	-2.5 to 2.5	Pass						
40				3.80	-23.387	-0.0276	-2.5 to 2.5	Pass						
50				3.80	-28.214	-0.0333	-2.5 to 2.5	Pass						

5.2 B5_3MHz

5.2.1 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	3.23	-33.152	-0.0402	-2.5 to 2.5	Pass
					3.80	-22.712	-0.0275	-2.5 to 2.5	Pass
					4.37	-28.824	-0.0349	-2.5 to 2.5	Pass
				-30	3.80	-6.952	-0.0084	-2.5 to 2.5	Pass
				-20	3.80	-16.086	-0.0195	-2.5 to 2.5	Pass
				-10	3.80	-6.908	-0.0084	-2.5 to 2.5	Pass
				0	3.80	-13.105	-0.0159	-2.5 to 2.5	Pass
				10	3.80	-16.363	-0.0198	-2.5 to 2.5	Pass
				30	3.80	-20.423	-0.0247	-2.5 to 2.5	Pass
	40	3.80	-29.101	-0.0353	-2.5 to 2.5	Pass			
	50	3.80	-17.201	-0.0208	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.23	-23.347	-0.0279	-2.5 to 2.5	Pass
					3.80	-20.002	-0.0239	-2.5 to 2.5	Pass
					4.37	-20.413	-0.0244	-2.5 to 2.5	Pass
				-30	3.80	-24.082	-0.0288	-2.5 to 2.5	Pass
				-20	3.80	-18.729	-0.0224	-2.5 to 2.5	Pass
				-10	3.80	-12.348	-0.0148	-2.5 to 2.5	Pass
				0	3.80	-20.841	-0.0249	-2.5 to 2.5	Pass
				10	3.80	-21.043	-0.0252	-2.5 to 2.5	Pass
				30	3.80	-26.876	-0.0321	-2.5 to 2.5	Pass
	40	3.80	-25.189	-0.0301	-2.5 to 2.5	Pass			
	50	3.80	-13.194	-0.0158	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.23	-25.426	-0.0300	-2.5 to 2.5	Pass
					3.80	-15.802	-0.0186	-2.5 to 2.5	Pass
					4.37	-27.845	-0.0329	-2.5 to 2.5	Pass
				-30	3.80	-19.623	-0.0232	-2.5 to 2.5	Pass
				-20	3.80	-11.611	-0.0137	-2.5 to 2.5	Pass
-10				3.80	-32.754	-0.0386	-2.5 to 2.5	Pass	
0				3.80	-12.709	-0.0150	-2.5 to 2.5	Pass	
10				3.80	-24.257	-0.0286	-2.5 to 2.5	Pass	
30				3.80	-1.066	-0.0013	-2.5 to 2.5	Pass	
40	3.80	-18.407	-0.0217	-2.5 to 2.5	Pass				
50	3.80	-21.874	-0.0258	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.23	-15.677	-0.0190	-2.5 to 2.5	Pass
					3.80	-1.319	-0.0016	-2.5 to 2.5	Pass
					4.37	-1.146	-0.0014	-2.5 to 2.5	Pass
				-30	3.80	3.766	0.0046	-2.5 to 2.5	Pass
				-20	3.80	-3.775	-0.0046	-2.5 to 2.5	Pass
				-10	3.80	2.081	0.0025	-2.5 to 2.5	Pass
				0	3.80	1.709	0.0021	-2.5 to 2.5	Pass
				10	3.80	-12.570	-0.0152	-2.5 to 2.5	Pass
				30	3.80	-4.415	-0.0053	-2.5 to 2.5	Pass
	40	3.80	-0.199	-0.0002	-2.5 to 2.5	Pass			
	50	3.80	-9.681	-0.0117	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.23	-17.273	-0.0206	-2.5 to 2.5	Pass
					3.80	-4.033	-0.0048	-2.5 to 2.5	Pass
					4.37	-2.592	-0.0031	-2.5 to 2.5	Pass
				-30	3.80	-22.461	-0.0269	-2.5 to 2.5	Pass
-20				3.80	-26.708	-0.0319	-2.5 to 2.5	Pass	

				-10	3.80	-17.430	-0.0208	-2.5 to 2.5	Pass
				0	3.80	-24.477	-0.0293	-2.5 to 2.5	Pass
				10	3.80	-21.263	-0.0254	-2.5 to 2.5	Pass
				30	3.80	-11.879	-0.0142	-2.5 to 2.5	Pass
				40	3.80	-15.122	-0.0181	-2.5 to 2.5	Pass
				50	3.80	-19.479	-0.0233	-2.5 to 2.5	Pass
	847.5	15	0	20	3.23	-14.117	-0.0167	-2.5 to 2.5	Pass
					3.80	-8.926	-0.0105	-2.5 to 2.5	Pass
					4.37	-13.713	-0.0162	-2.5 to 2.5	Pass
				-30	3.80	0.364	0.0004	-2.5 to 2.5	Pass
				-20	3.80	-6.750	-0.0080	-2.5 to 2.5	Pass
				-10	3.80	-6.353	-0.0075	-2.5 to 2.5	Pass
				0	3.80	-9.994	-0.0118	-2.5 to 2.5	Pass
				10	3.80	-16.225	-0.0191	-2.5 to 2.5	Pass
				30	3.80	-21.581	-0.0255	-2.5 to 2.5	Pass
				40	3.80	-17.192	-0.0203	-2.5 to 2.5	Pass
				50	3.80	-19.157	-0.0226	-2.5 to 2.5	Pass

5.3 B5_5MHz

5.3.1 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	3.23	-12.515	-0.0151	-2.5 to 2.5	Pass
					3.80	-24.473	-0.0296	-2.5 to 2.5	Pass
					4.37	-11.953	-0.0145	-2.5 to 2.5	Pass
				-30	3.80	-10.069	-0.0122	-2.5 to 2.5	Pass
				-20	3.80	-24.623	-0.0298	-2.5 to 2.5	Pass
				-10	3.80	-27.096	-0.0328	-2.5 to 2.5	Pass
				0	3.80	-8.989	-0.0109	-2.5 to 2.5	Pass
				10	3.80	-22.623	-0.0274	-2.5 to 2.5	Pass
				30	3.80	-27.399	-0.0332	-2.5 to 2.5	Pass
				40	3.80	-24.899	-0.0301	-2.5 to 2.5	Pass
				50	3.80	-31.721	-0.0384	-2.5 to 2.5	Pass
				836.5	25	0	20	3.23	-28.496
	3.80	-8.329	-0.0100					-2.5 to 2.5	Pass
	4.37	-20.670	-0.0247					-2.5 to 2.5	Pass
	-30	3.80	-21.628				-0.0259	-2.5 to 2.5	Pass
	-20	3.80	-28.157				-0.0337	-2.5 to 2.5	Pass
	-10	3.80	-8.476				-0.0101	-2.5 to 2.5	Pass
	0	3.80	-12.426				-0.0149	-2.5 to 2.5	Pass
	10	3.80	5.899				0.0071	-2.5 to 2.5	Pass
	30	3.80	2.617				0.0031	-2.5 to 2.5	Pass
	40	3.80	-5.861				-0.0070	-2.5 to 2.5	Pass
	50	3.80	-15.705				-0.0188	-2.5 to 2.5	Pass
	846.5	25	0				20	3.23	-27.766
				3.80	-20.201	-0.0239		-2.5 to 2.5	Pass
				4.37	-28.301	-0.0334		-2.5 to 2.5	Pass
				-30	3.80	-21.484	-0.0254	-2.5 to 2.5	Pass
				-20	3.80	-33.967	-0.0401	-2.5 to 2.5	Pass
				-10	3.80	-23.218	-0.0274	-2.5 to 2.5	Pass
				0	3.80	-30.268	-0.0358	-2.5 to 2.5	Pass
				10	3.80	-6.998	-0.0083	-2.5 to 2.5	Pass

				30	3.80	-16.007	-0.0189	-2.5 to 2.5	Pass
				40	3.80	-22.603	-0.0267	-2.5 to 2.5	Pass
				50	3.80	-18.254	-0.0216	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.23	-6.402	-0.0077	-2.5 to 2.5	Pass
					3.80	-6.855	-0.0083	-2.5 to 2.5	Pass
					4.37	-3.341	-0.0040	-2.5 to 2.5	Pass
				-30	3.80	5.635	0.0068	-2.5 to 2.5	Pass
				-20	3.80	2.470	0.0030	-2.5 to 2.5	Pass
				-10	3.80	-21.561	-0.0261	-2.5 to 2.5	Pass
				0	3.80	-16.433	-0.0199	-2.5 to 2.5	Pass
				10	3.80	-17.204	-0.0208	-2.5 to 2.5	Pass
				30	3.80	-20.210	-0.0245	-2.5 to 2.5	Pass
				40	3.80	-10.163	-0.0123	-2.5 to 2.5	Pass
				50	3.80	-3.976	-0.0048	-2.5 to 2.5	Pass
				836.5	25	0	20	3.23	-5.626
	3.80	-4.576	-0.0055					-2.5 to 2.5	Pass
	4.37	3.262	0.0039					-2.5 to 2.5	Pass
	-30	3.80	-14.444				-0.0173	-2.5 to 2.5	Pass
	-20	3.80	-7.885				-0.0094	-2.5 to 2.5	Pass
	-10	3.80	4.653				0.0056	-2.5 to 2.5	Pass
	0	3.80	-2.431				-0.0029	-2.5 to 2.5	Pass
	10	3.80	9.937				0.0119	-2.5 to 2.5	Pass
	30	3.80	-22.223				-0.0266	-2.5 to 2.5	Pass
	40	3.80	-23.155				-0.0277	-2.5 to 2.5	Pass
	50	3.80	-16.880				-0.0202	-2.5 to 2.5	Pass
	846.5	25	0				20	3.23	-16.700
				3.80	-3.729	-0.0044		-2.5 to 2.5	Pass
				4.37	-8.496	-0.0100		-2.5 to 2.5	Pass
				-30	3.80	-9.359	-0.0111	-2.5 to 2.5	Pass
				-20	3.80	-29.600	-0.0350	-2.5 to 2.5	Pass
				-10	3.80	-11.664	-0.0138	-2.5 to 2.5	Pass
				0	3.80	-20.052	-0.0237	-2.5 to 2.5	Pass
				10	3.80	-20.022	-0.0237	-2.5 to 2.5	Pass
30				3.80	-8.122	-0.0096	-2.5 to 2.5	Pass	
40				3.80	-7.339	-0.0087	-2.5 to 2.5	Pass	
50				3.80	-23.342	-0.0276	-2.5 to 2.5	Pass	

5.4 B5_10MHz

5.4.1 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	3.23	-28.414	-0.0343	-2.5 to 2.5	Pass
					3.80	-27.876	-0.0336	-2.5 to 2.5	Pass
					4.37	-21.354	-0.0258	-2.5 to 2.5	Pass
				-30	3.80	-32.972	-0.0398	-2.5 to 2.5	Pass
				-20	3.80	-6.714	-0.0081	-2.5 to 2.5	Pass
				-10	3.80	-15.661	-0.0189	-2.5 to 2.5	Pass
				0	3.80	-14.825	-0.0179	-2.5 to 2.5	Pass
				10	3.80	-29.060	-0.0351	-2.5 to 2.5	Pass
				30	3.80	-23.551	-0.0284	-2.5 to 2.5	Pass
				40	3.80	-7.613	-0.0092	-2.5 to 2.5	Pass
				50	3.80	-14.905	-0.0180	-2.5 to 2.5	Pass

	836.5	50	0	20	3.23	-11.878	-0.0142	-2.5 to 2.5	Pass
					3.80	-26.110	-0.0312	-2.5 to 2.5	Pass
					4.37	-27.393	-0.0327	-2.5 to 2.5	Pass
				-30	3.80	-12.692	-0.0152	-2.5 to 2.5	Pass
				-20	3.80	7.287	0.0087	-2.5 to 2.5	Pass
				-10	3.80	-15.778	-0.0189	-2.5 to 2.5	Pass
				0	3.80	-4.928	-0.0059	-2.5 to 2.5	Pass
				10	3.80	-7.706	-0.0092	-2.5 to 2.5	Pass
				30	3.80	-16.404	-0.0196	-2.5 to 2.5	Pass
	40	3.80	-12.550	-0.0150	-2.5 to 2.5	Pass			
	50	3.80	-10.909	-0.0130	-2.5 to 2.5	Pass			
	844	50	0	20	3.23	-29.870	-0.0354	-2.5 to 2.5	Pass
					3.80	-24.400	-0.0289	-2.5 to 2.5	Pass
					4.37	-3.819	-0.0045	-2.5 to 2.5	Pass
				-30	3.80	-11.876	-0.0141	-2.5 to 2.5	Pass
				-20	3.80	-18.101	-0.0214	-2.5 to 2.5	Pass
				-10	3.80	-6.692	-0.0079	-2.5 to 2.5	Pass
				0	3.80	-4.965	-0.0059	-2.5 to 2.5	Pass
10				3.80	-17.980	-0.0213	-2.5 to 2.5	Pass	
30				3.80	-23.528	-0.0279	-2.5 to 2.5	Pass	
40	3.80	-2.004	-0.0024	-2.5 to 2.5	Pass				
50	3.80	-8.113	-0.0096	-2.5 to 2.5	Pass				
16QAM	829	50	0	20	3.23	3.824	0.0046	-2.5 to 2.5	Pass
					3.80	-22.958	-0.0277	-2.5 to 2.5	Pass
					4.37	-2.263	-0.0027	-2.5 to 2.5	Pass
				-30	3.80	-17.952	-0.0217	-2.5 to 2.5	Pass
				-20	3.80	-3.301	-0.0040	-2.5 to 2.5	Pass
				-10	3.80	-18.515	-0.0223	-2.5 to 2.5	Pass
				0	3.80	-4.519	-0.0055	-2.5 to 2.5	Pass
				10	3.80	0.981	0.0012	-2.5 to 2.5	Pass
				30	3.80	0.714	0.0009	-2.5 to 2.5	Pass
	40	3.80	-0.931	-0.0011	-2.5 to 2.5	Pass			
	50	3.80	-3.967	-0.0048	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.23	-11.238	-0.0134	-2.5 to 2.5	Pass
					3.80	-0.874	-0.0010	-2.5 to 2.5	Pass
					4.37	-12.272	-0.0147	-2.5 to 2.5	Pass
				-30	3.80	-5.236	-0.0063	-2.5 to 2.5	Pass
				-20	3.80	-1.989	-0.0024	-2.5 to 2.5	Pass
				-10	3.80	3.793	0.0045	-2.5 to 2.5	Pass
				0	3.80	-26.498	-0.0317	-2.5 to 2.5	Pass
10				3.80	8.589	0.0103	-2.5 to 2.5	Pass	
30				3.80	-3.232	-0.0039	-2.5 to 2.5	Pass	
40	3.80	-6.252	-0.0075	-2.5 to 2.5	Pass				
50	3.80	2.774	0.0033	-2.5 to 2.5	Pass				
844	50	0	20	3.23	-22.202	-0.0263	-2.5 to 2.5	Pass	
				3.80	-5.844	-0.0069	-2.5 to 2.5	Pass	
				4.37	-2.488	-0.0029	-2.5 to 2.5	Pass	
			-30	3.80	-5.054	-0.0060	-2.5 to 2.5	Pass	
			-20	3.80	-2.082	-0.0025	-2.5 to 2.5	Pass	
			-10	3.80	-31.360	-0.0372	-2.5 to 2.5	Pass	
			0	3.80	-21.432	-0.0254	-2.5 to 2.5	Pass	
			10	3.80	-30.117	-0.0357	-2.5 to 2.5	Pass	
			30	3.80	-15.013	-0.0178	-2.5 to 2.5	Pass	
40	3.80	-26.198	-0.0310	-2.5 to 2.5	Pass				
50	3.80	-26.108	-0.0309	-2.5 to 2.5	Pass				

6. Frequency Stability

6.1 B66_1.4MHz

6.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.23	-4.389	-0.0026	-2.5 to 2.5	Pass
					3.80	-11.687	-0.0068	-2.5 to 2.5	Pass
					4.37	-19.133	-0.0112	-2.5 to 2.5	Pass
				-30	3.80	-9.675	-0.0057	-2.5 to 2.5	Pass
				-20	3.80	-3.052	-0.0018	-2.5 to 2.5	Pass
				-10	3.80	-15.006	-0.0088	-2.5 to 2.5	Pass
				0	3.80	-8.589	-0.0050	-2.5 to 2.5	Pass
				10	3.80	-0.898	-0.0005	-2.5 to 2.5	Pass
				30	3.80	-8.512	-0.0050	-2.5 to 2.5	Pass
				40	3.80	-0.442	-0.0003	-2.5 to 2.5	Pass
	50	3.80	-6.118	-0.0036	-2.5 to 2.5	Pass			
	1745	6	0	20	3.23	-18.121	-0.0104	-2.5 to 2.5	Pass
					3.80	-17.168	-0.0098	-2.5 to 2.5	Pass
					4.37	-12.542	-0.0072	-2.5 to 2.5	Pass
				-30	3.80	-16.253	-0.0093	-2.5 to 2.5	Pass
				-20	3.80	-16.634	-0.0095	-2.5 to 2.5	Pass
				-10	3.80	-16.195	-0.0093	-2.5 to 2.5	Pass
				0	3.80	-13.713	-0.0079	-2.5 to 2.5	Pass
				10	3.80	-5.748	-0.0033	-2.5 to 2.5	Pass
				30	3.80	-18.506	-0.0106	-2.5 to 2.5	Pass
				40	3.80	-16.903	-0.0097	-2.5 to 2.5	Pass
	50	3.80	-10.070	-0.0058	-2.5 to 2.5	Pass			
	1779.3	6	0	20	3.23	-16.192	-0.0091	-2.5 to 2.5	Pass
					3.80	-1.528	-0.0009	-2.5 to 2.5	Pass
					4.37	-4.470	-0.0025	-2.5 to 2.5	Pass
				-30	3.80	-13.731	-0.0077	-2.5 to 2.5	Pass
				-20	3.80	-6.362	-0.0036	-2.5 to 2.5	Pass
				-10	3.80	-18.420	-0.0104	-2.5 to 2.5	Pass
				0	3.80	-3.512	-0.0020	-2.5 to 2.5	Pass
				10	3.80	-16.004	-0.0090	-2.5 to 2.5	Pass
30				3.80	-17.146	-0.0096	-2.5 to 2.5	Pass	
40				3.80	-14.337	-0.0081	-2.5 to 2.5	Pass	
50	3.80	-19.970	-0.0112	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.23	0.491	0.0003	-2.5 to 2.5	Pass
					3.80	-14.740	-0.0086	-2.5 to 2.5	Pass
					4.37	-10.963	-0.0064	-2.5 to 2.5	Pass
				-30	3.80	-7.510	-0.0044	-2.5 to 2.5	Pass
				-20	3.80	-5.856	-0.0034	-2.5 to 2.5	Pass
				-10	3.80	-7.481	-0.0044	-2.5 to 2.5	Pass
				0	3.80	-9.098	-0.0053	-2.5 to 2.5	Pass
				10	3.80	-8.254	-0.0048	-2.5 to 2.5	Pass
				30	3.80	-16.284	-0.0095	-2.5 to 2.5	Pass
				40	3.80	-10.651	-0.0062	-2.5 to 2.5	Pass
	50	3.80	-12.323	-0.0072	-2.5 to 2.5	Pass			
	1745	6	0	20	3.23	-27.624	-0.0158	-2.5 to 2.5	Pass
					3.80	-8.482	-0.0049	-2.5 to 2.5	Pass

					4.37	-20.017	-0.0115	-2.5 to 2.5	Pass
				-30	3.80	-7.443	-0.0043	-2.5 to 2.5	Pass
				-20	3.80	-9.628	-0.0055	-2.5 to 2.5	Pass
				-10	3.80	-7.840	-0.0045	-2.5 to 2.5	Pass
				0	3.80	-9.048	-0.0052	-2.5 to 2.5	Pass
				10	3.80	-16.671	-0.0096	-2.5 to 2.5	Pass
				30	3.80	-5.615	-0.0032	-2.5 to 2.5	Pass
				40	3.80	-18.239	-0.0105	-2.5 to 2.5	Pass
				50	3.80	-14.296	-0.0082	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.23	-9.872	-0.0055	-2.5 to 2.5	Pass
					3.80	-14.017	-0.0079	-2.5 to 2.5	Pass
					4.37	-12.778	-0.0072	-2.5 to 2.5	Pass
				-30	3.80	-2.694	-0.0015	-2.5 to 2.5	Pass
				-20	3.80	-3.696	-0.0021	-2.5 to 2.5	Pass
				-10	3.80	-9.551	-0.0054	-2.5 to 2.5	Pass
				0	3.80	-10.832	-0.0061	-2.5 to 2.5	Pass
				10	3.80	-15.786	-0.0089	-2.5 to 2.5	Pass
				30	3.80	-3.869	-0.0022	-2.5 to 2.5	Pass
				40	3.80	-16.359	-0.0092	-2.5 to 2.5	Pass
50	3.80	-11.769	-0.0066	-2.5 to 2.5	Pass				

6.2 B66_3MHz

6.2.1 Test Result

Band: 66 / Bandwidth: 3MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	1711.5	15	0	20	3.23	-26.901	-0.0157	-2.5 to 2.5	Pass			
					3.80	-18.116	-0.0106	-2.5 to 2.5	Pass			
					4.37	-22.837	-0.0133	-2.5 to 2.5	Pass			
				-30	3.80	-13.566	-0.0079	-2.5 to 2.5	Pass			
				-20	3.80	-1.250	-0.0007	-2.5 to 2.5	Pass			
				-10	3.80	-15.322	-0.0090	-2.5 to 2.5	Pass			
				0	3.80	-14.811	-0.0087	-2.5 to 2.5	Pass			
				10	3.80	-23.869	-0.0139	-2.5 to 2.5	Pass			
				30	3.80	-15.464	-0.0090	-2.5 to 2.5	Pass			
				40	3.80	-23.030	-0.0135	-2.5 to 2.5	Pass			
				50	3.80	-11.015	-0.0064	-2.5 to 2.5	Pass			
				1745	15	0	20	3.23	-16.715	-0.0096	-2.5 to 2.5	Pass
								3.80	-12.857	-0.0074	-2.5 to 2.5	Pass
								4.37	-6.335	-0.0036	-2.5 to 2.5	Pass
							-30	3.80	-8.568	-0.0049	-2.5 to 2.5	Pass
	-20	3.80	-10.582				-0.0061	-2.5 to 2.5	Pass			
	-10	3.80	-9.711				-0.0056	-2.5 to 2.5	Pass			
	0	3.80	-10.621				-0.0061	-2.5 to 2.5	Pass			
	10	3.80	-15.779				-0.0090	-2.5 to 2.5	Pass			
	30	3.80	-12.427				-0.0071	-2.5 to 2.5	Pass			
	40	3.80	-6.840				-0.0039	-2.5 to 2.5	Pass			
	50	3.80	-5.573				-0.0032	-2.5 to 2.5	Pass			
	1778.5	15	0				20	3.23	-20.358	-0.0114	-2.5 to 2.5	Pass
								3.80	-6.465	-0.0036	-2.5 to 2.5	Pass
								4.37	-8.410	-0.0047	-2.5 to 2.5	Pass
							-30	3.80	-21.471	-0.0121	-2.5 to 2.5	Pass
				-20	3.80	-11.120	-0.0063	-2.5 to 2.5	Pass			

				-10	3.80	-20.641	-0.0116	-2.5 to 2.5	Pass
				0	3.80	-11.307	-0.0064	-2.5 to 2.5	Pass
				10	3.80	-16.063	-0.0090	-2.5 to 2.5	Pass
				30	3.80	-8.123	-0.0046	-2.5 to 2.5	Pass
				40	3.80	-17.167	-0.0097	-2.5 to 2.5	Pass
				50	3.80	-17.910	-0.0101	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.23	-17.153	-0.0100	-2.5 to 2.5	Pass
					3.80	-16.220	-0.0095	-2.5 to 2.5	Pass
					4.37	-31.671	-0.0185	-2.5 to 2.5	Pass
				-30	3.80	-10.718	-0.0063	-2.5 to 2.5	Pass
				-20	3.80	-15.807	-0.0092	-2.5 to 2.5	Pass
				-10	3.80	-11.724	-0.0069	-2.5 to 2.5	Pass
				0	3.80	-15.435	-0.0090	-2.5 to 2.5	Pass
				10	3.80	-10.047	-0.0059	-2.5 to 2.5	Pass
				30	3.80	-6.719	-0.0039	-2.5 to 2.5	Pass
				40	3.80	-7.266	-0.0042	-2.5 to 2.5	Pass
	50	3.80	-11.432	-0.0067	-2.5 to 2.5	Pass			
	1745	15	0	20	3.23	-27.059	-0.0155	-2.5 to 2.5	Pass
					3.80	2.954	0.0017	-2.5 to 2.5	Pass
					4.37	-24.375	-0.0140	-2.5 to 2.5	Pass
				-30	3.80	-5.311	-0.0030	-2.5 to 2.5	Pass
				-20	3.80	-19.439	-0.0111	-2.5 to 2.5	Pass
				-10	3.80	-7.439	-0.0043	-2.5 to 2.5	Pass
				0	3.80	-16.229	-0.0093	-2.5 to 2.5	Pass
				10	3.80	-19.091	-0.0109	-2.5 to 2.5	Pass
				30	3.80	2.144	0.0012	-2.5 to 2.5	Pass
				40	3.80	-9.739	-0.0056	-2.5 to 2.5	Pass
	50	3.80	-14.688	-0.0084	-2.5 to 2.5	Pass			
	1778.5	15	0	20	3.23	-26.839	-0.0151	-2.5 to 2.5	Pass
					3.80	-17.913	-0.0101	-2.5 to 2.5	Pass
					4.37	-23.131	-0.0130	-2.5 to 2.5	Pass
				-30	3.80	-0.954	-0.0005	-2.5 to 2.5	Pass
				-20	3.80	-2.652	-0.0015	-2.5 to 2.5	Pass
				-10	3.80	-20.106	-0.0113	-2.5 to 2.5	Pass
				0	3.80	-21.247	-0.0119	-2.5 to 2.5	Pass
				10	3.80	-19.781	-0.0111	-2.5 to 2.5	Pass
30				3.80	-15.758	-0.0089	-2.5 to 2.5	Pass	
40				3.80	-24.980	-0.0140	-2.5 to 2.5	Pass	
50	3.80	-3.908	-0.0022	-2.5 to 2.5	Pass				

6.3 B66_5MHz

6.3.1 Test Result

Band: 66 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.23	-5.537	-0.0032	-2.5 to 2.5	Pass
					3.80	3.838	0.0022	-2.5 to 2.5	Pass
					4.37	1.172	0.0007	-2.5 to 2.5	Pass
				-30	3.80	-6.949	-0.0041	-2.5 to 2.5	Pass
				-20	3.80	-11.392	-0.0067	-2.5 to 2.5	Pass
				-10	3.80	-13.847	-0.0081	-2.5 to 2.5	Pass
				0	3.80	-12.846	-0.0075	-2.5 to 2.5	Pass
				10	3.80	-14.464	-0.0084	-2.5 to 2.5	Pass

	1745	25	0	30	3.80	-23.912	-0.0140	-2.5 to 2.5	Pass
				40	3.80	-8.891	-0.0052	-2.5 to 2.5	Pass
				50	3.80	-22.998	-0.0134	-2.5 to 2.5	Pass
				20	3.23	-12.151	-0.0070	-2.5 to 2.5	Pass
					3.80	-0.266	-0.0002	-2.5 to 2.5	Pass
					4.37	-5.631	-0.0032	-2.5 to 2.5	Pass
				-30	3.80	-10.507	-0.0060	-2.5 to 2.5	Pass
				-20	3.80	-19.999	-0.0115	-2.5 to 2.5	Pass
				-10	3.80	-0.339	-0.0002	-2.5 to 2.5	Pass
				0	3.80	-21.338	-0.0122	-2.5 to 2.5	Pass
	10	3.80	-4.532	-0.0026	-2.5 to 2.5	Pass			
	30	3.80	-20.035	-0.0115	-2.5 to 2.5	Pass			
	40	3.80	-3.880	-0.0022	-2.5 to 2.5	Pass			
	50	3.80	-8.313	-0.0048	-2.5 to 2.5	Pass			
	1777.5	25	0	20	3.23	-13.968	-0.0079	-2.5 to 2.5	Pass
					3.80	-10.130	-0.0057	-2.5 to 2.5	Pass
					4.37	-5.105	-0.0029	-2.5 to 2.5	Pass
				-30	3.80	-10.506	-0.0059	-2.5 to 2.5	Pass
				-20	3.80	-12.157	-0.0068	-2.5 to 2.5	Pass
				-10	3.80	-3.026	-0.0017	-2.5 to 2.5	Pass
0				3.80	-11.893	-0.0067	-2.5 to 2.5	Pass	
10				3.80	-0.624	-0.0004	-2.5 to 2.5	Pass	
30				3.80	-18.098	-0.0102	-2.5 to 2.5	Pass	
40				3.80	-14.884	-0.0084	-2.5 to 2.5	Pass	
50	3.80	-7.720	-0.0043	-2.5 to 2.5	Pass				
16QAM	1712.5	25	0	20	3.23	-19.931	-0.0116	-2.5 to 2.5	Pass
					3.80	1.024	0.0006	-2.5 to 2.5	Pass
					4.37	-22.419	-0.0131	-2.5 to 2.5	Pass
				-30	3.80	-10.089	-0.0059	-2.5 to 2.5	Pass
				-20	3.80	-4.799	-0.0028	-2.5 to 2.5	Pass
				-10	3.80	-9.791	-0.0057	-2.5 to 2.5	Pass
				0	3.80	-2.562	-0.0015	-2.5 to 2.5	Pass
				10	3.80	-20.836	-0.0122	-2.5 to 2.5	Pass
				30	3.80	-11.648	-0.0068	-2.5 to 2.5	Pass
				40	3.80	-4.726	-0.0028	-2.5 to 2.5	Pass
	50	3.80	-8.741	-0.0051	-2.5 to 2.5	Pass			
	1745	25	0	20	3.23	-27.169	-0.0156	-2.5 to 2.5	Pass
					3.80	-5.864	-0.0034	-2.5 to 2.5	Pass
					4.37	-19.452	-0.0111	-2.5 to 2.5	Pass
				-30	3.80	-10.114	-0.0058	-2.5 to 2.5	Pass
				-20	3.80	-11.858	-0.0068	-2.5 to 2.5	Pass
				-10	3.80	-9.690	-0.0056	-2.5 to 2.5	Pass
				0	3.80	-11.907	-0.0068	-2.5 to 2.5	Pass
				10	3.80	-1.023	-0.0006	-2.5 to 2.5	Pass
				30	3.80	-14.965	-0.0086	-2.5 to 2.5	Pass
40				3.80	-20.380	-0.0117	-2.5 to 2.5	Pass	
50	3.80	-9.068	-0.0052	-2.5 to 2.5	Pass				
1777.5	25	0	20	3.23	-22.883	-0.0129	-2.5 to 2.5	Pass	
				3.80	-12.571	-0.0071	-2.5 to 2.5	Pass	
				4.37	-22.949	-0.0129	-2.5 to 2.5	Pass	
			-30	3.80	0.215	0.0001	-2.5 to 2.5	Pass	
			-20	3.80	-6.576	-0.0037	-2.5 to 2.5	Pass	
			-10	3.80	-2.014	-0.0011	-2.5 to 2.5	Pass	
			0	3.80	-8.762	-0.0049	-2.5 to 2.5	Pass	
			10	3.80	-7.068	-0.0040	-2.5 to 2.5	Pass	
			30	3.80	1.464	0.0008	-2.5 to 2.5	Pass	
			40	3.80	-9.228	-0.0052	-2.5 to 2.5	Pass	

				50	3.80	-10.644	-0.0060	-2.5 to 2.5	Pass
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6.4 B66_10MHz

6.4.1 Test Result

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.23	-20.140	-0.0117	-2.5 to 2.5	Pass
					3.80	-8.231	-0.0048	-2.5 to 2.5	Pass
					4.37	-16.696	-0.0097	-2.5 to 2.5	Pass
				-30	3.80	-16.711	-0.0097	-2.5 to 2.5	Pass
				-20	3.80	-18.333	-0.0107	-2.5 to 2.5	Pass
				-10	3.80	-11.918	-0.0069	-2.5 to 2.5	Pass
				0	3.80	-16.367	-0.0095	-2.5 to 2.5	Pass
				10	3.80	-12.281	-0.0072	-2.5 to 2.5	Pass
				30	3.80	-1.973	-0.0012	-2.5 to 2.5	Pass
				40	3.80	-9.014	-0.0053	-2.5 to 2.5	Pass
	50	3.80	-6.455	-0.0038	-2.5 to 2.5	Pass			
	1745	50	0	20	3.23	-16.304	-0.0093	-2.5 to 2.5	Pass
					3.80	-19.214	-0.0110	-2.5 to 2.5	Pass
					4.37	-15.417	-0.0088	-2.5 to 2.5	Pass
				-30	3.80	-13.373	-0.0077	-2.5 to 2.5	Pass
				-20	3.80	-8.937	-0.0051	-2.5 to 2.5	Pass
				-10	3.80	-9.754	-0.0056	-2.5 to 2.5	Pass
				0	3.80	-1.710	-0.0010	-2.5 to 2.5	Pass
				10	3.80	-21.194	-0.0121	-2.5 to 2.5	Pass
				30	3.80	-18.552	-0.0106	-2.5 to 2.5	Pass
				40	3.80	-14.967	-0.0086	-2.5 to 2.5	Pass
	50	3.80	-5.138	-0.0029	-2.5 to 2.5	Pass			
	1775	50	0	20	3.23	0.672	0.0004	-2.5 to 2.5	Pass
					3.80	-6.836	-0.0039	-2.5 to 2.5	Pass
					4.37	-4.199	-0.0024	-2.5 to 2.5	Pass
				-30	3.80	-12.607	-0.0071	-2.5 to 2.5	Pass
				-20	3.80	-9.919	-0.0056	-2.5 to 2.5	Pass
				-10	3.80	-16.005	-0.0090	-2.5 to 2.5	Pass
				0	3.80	-2.264	-0.0013	-2.5 to 2.5	Pass
				10	3.80	-5.146	-0.0029	-2.5 to 2.5	Pass
30				3.80	-15.918	-0.0090	-2.5 to 2.5	Pass	
40				3.80	-3.978	-0.0022	-2.5 to 2.5	Pass	
50	3.80	-15.911	-0.0090	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	3.23	-1.746	-0.0010	-2.5 to 2.5	Pass
					3.80	-6.018	-0.0035	-2.5 to 2.5	Pass
					4.37	3.075	0.0018	-2.5 to 2.5	Pass
				-30	3.80	-2.971	-0.0017	-2.5 to 2.5	Pass
				-20	3.80	-18.062	-0.0105	-2.5 to 2.5	Pass
				-10	3.80	-2.349	-0.0014	-2.5 to 2.5	Pass
				0	3.80	-9.627	-0.0056	-2.5 to 2.5	Pass
				10	3.80	-9.746	-0.0057	-2.5 to 2.5	Pass
				30	3.80	-16.291	-0.0095	-2.5 to 2.5	Pass
				40	3.80	-11.165	-0.0065	-2.5 to 2.5	Pass
	50	3.80	-5.969	-0.0035	-2.5 to 2.5	Pass			
	1745	50	0	20	3.23	-4.337	-0.0025	-2.5 to 2.5	Pass
					3.80	-0.592	-0.0003	-2.5 to 2.5	Pass

					4.37	-17.477	-0.0100	-2.5 to 2.5	Pass			
				-30	3.80	-20.574	-0.0118	-2.5 to 2.5	Pass			
				-20	3.80	-19.050	-0.0109	-2.5 to 2.5	Pass			
				-10	3.80	-5.726	-0.0033	-2.5 to 2.5	Pass			
				0	3.80	-17.555	-0.0101	-2.5 to 2.5	Pass			
				10	3.80	-7.516	-0.0043	-2.5 to 2.5	Pass			
				30	3.80	-9.650	-0.0055	-2.5 to 2.5	Pass			
				40	3.80	-12.906	-0.0074	-2.5 to 2.5	Pass			
				50	3.80	1.449	0.0008	-2.5 to 2.5	Pass			
	1775	50	0	20	3.23	-10.263	-0.0058	-2.5 to 2.5	Pass			
3.80					-7.765	-0.0044	-2.5 to 2.5	Pass				
4.37					-4.090	-0.0023	-2.5 to 2.5	Pass				
							-30	3.80	-6.603	-0.0037	-2.5 to 2.5	Pass
							-20	3.80	-8.948	-0.0050	-2.5 to 2.5	Pass
							-10	3.80	-1.495	-0.0008	-2.5 to 2.5	Pass
							0	3.80	-14.597	-0.0082	-2.5 to 2.5	Pass
							10	3.80	-17.256	-0.0097	-2.5 to 2.5	Pass
							30	3.80	-0.487	-0.0003	-2.5 to 2.5	Pass
							40	3.80	-17.871	-0.0101	-2.5 to 2.5	Pass
							50	3.80	-11.437	-0.0064	-2.5 to 2.5	Pass

6.5 B66_15MHz

6.5.1 Test Result

Band: 66 / Bandwidth: 15MHz													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict				
		Size	Offset				Result	Limit					
QPSK	1717.5	75	0	20	3.23	-19.188	-0.0112	-2.5 to 2.5	Pass				
					3.80	-3.290	-0.0019	-2.5 to 2.5	Pass				
					4.37	1.834	0.0011	-2.5 to 2.5	Pass				
								-30	3.80	-11.681	-0.0068	-2.5 to 2.5	Pass
								-20	3.80	-16.080	-0.0094	-2.5 to 2.5	Pass
								-10	3.80	-14.734	-0.0086	-2.5 to 2.5	Pass
								0	3.80	-4.560	-0.0027	-2.5 to 2.5	Pass
								10	3.80	-26.441	-0.0154	-2.5 to 2.5	Pass
								30	3.80	-15.210	-0.0089	-2.5 to 2.5	Pass
								40	3.80	-18.054	-0.0105	-2.5 to 2.5	Pass
								50	3.80	-15.198	-0.0088	-2.5 to 2.5	Pass
					1745	75	0	20	3.23	-17.930	-0.0103	-2.5 to 2.5	Pass
	3.80	0.514	0.0003	-2.5 to 2.5					Pass				
	4.37	-7.697	-0.0044	-2.5 to 2.5					Pass				
								-30	3.80	-10.657	-0.0061	-2.5 to 2.5	Pass
								-20	3.80	-10.370	-0.0059	-2.5 to 2.5	Pass
								-10	3.80	-22.962	-0.0132	-2.5 to 2.5	Pass
								0	3.80	-15.199	-0.0087	-2.5 to 2.5	Pass
								10	3.80	-17.914	-0.0103	-2.5 to 2.5	Pass
								30	3.80	-8.779	-0.0050	-2.5 to 2.5	Pass
								40	3.80	-17.128	-0.0098	-2.5 to 2.5	Pass
								50	3.80	-5.075	-0.0029	-2.5 to 2.5	Pass
		1772.5	75	0				20	3.23	-13.241	-0.0075	-2.5 to 2.5	Pass
	3.80				-18.302	-0.0103	-2.5 to 2.5		Pass				
	4.37				-4.621	-0.0026	-2.5 to 2.5		Pass				
								-30	3.80	-19.524	-0.0110	-2.5 to 2.5	Pass
					-20	3.80	-12.525	-0.0071	-2.5 to 2.5	Pass			

				-10	3.80	-16.440	-0.0093	-2.5 to 2.5	Pass
				0	3.80	-10.065	-0.0057	-2.5 to 2.5	Pass
				10	3.80	-12.972	-0.0073	-2.5 to 2.5	Pass
				30	3.80	-19.656	-0.0111	-2.5 to 2.5	Pass
				40	3.80	-21.034	-0.0119	-2.5 to 2.5	Pass
				50	3.80	-12.891	-0.0073	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.23	-14.754	-0.0086	-2.5 to 2.5	Pass
					3.80	1.849	0.0011	-2.5 to 2.5	Pass
					4.37	-9.866	-0.0057	-2.5 to 2.5	Pass
				-30	3.80	-3.918	-0.0023	-2.5 to 2.5	Pass
				-20	3.80	-3.944	-0.0023	-2.5 to 2.5	Pass
				-10	3.80	-1.249	-0.0007	-2.5 to 2.5	Pass
				0	3.80	-5.546	-0.0032	-2.5 to 2.5	Pass
				10	3.80	-1.266	-0.0007	-2.5 to 2.5	Pass
				30	3.80	-15.142	-0.0088	-2.5 to 2.5	Pass
				40	3.80	-2.922	-0.0017	-2.5 to 2.5	Pass
	50	3.80	-27.020	-0.0157	-2.5 to 2.5	Pass			
	1745	75	0	20	3.23	-1.157	-0.0007	-2.5 to 2.5	Pass
					3.80	-19.110	-0.0110	-2.5 to 2.5	Pass
					4.37	-11.220	-0.0064	-2.5 to 2.5	Pass
				-30	3.80	-10.430	-0.0060	-2.5 to 2.5	Pass
				-20	3.80	-19.350	-0.0111	-2.5 to 2.5	Pass
				-10	3.80	-16.603	-0.0095	-2.5 to 2.5	Pass
				0	3.80	-17.003	-0.0097	-2.5 to 2.5	Pass
				10	3.80	-5.285	-0.0030	-2.5 to 2.5	Pass
				30	3.80	-10.807	-0.0062	-2.5 to 2.5	Pass
				40	3.80	-2.857	-0.0016	-2.5 to 2.5	Pass
	50	3.80	-9.642	-0.0055	-2.5 to 2.5	Pass			
	1772.5	75	0	20	3.23	-10.331	-0.0058	-2.5 to 2.5	Pass
					3.80	-2.600	-0.0015	-2.5 to 2.5	Pass
					4.37	-23.076	-0.0130	-2.5 to 2.5	Pass
				-30	3.80	-9.866	-0.0056	-2.5 to 2.5	Pass
				-20	3.80	-17.983	-0.0101	-2.5 to 2.5	Pass
				-10	3.80	-17.163	-0.0097	-2.5 to 2.5	Pass
				0	3.80	0.142	0.0001	-2.5 to 2.5	Pass
				10	3.80	-25.388	-0.0143	-2.5 to 2.5	Pass
30				3.80	-9.374	-0.0053	-2.5 to 2.5	Pass	
40				3.80	-7.797	-0.0044	-2.5 to 2.5	Pass	
50	3.80	-5.794	-0.0033	-2.5 to 2.5	Pass				

6.6 B66_20MHz

6.6.1 Test Result

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.23	-18.262	-0.0106	-2.5 to 2.5	Pass
					3.80	-23.155	-0.0135	-2.5 to 2.5	Pass
					4.37	-7.832	-0.0046	-2.5 to 2.5	Pass
				-30	3.80	-16.281	-0.0095	-2.5 to 2.5	Pass
				-20	3.80	-17.794	-0.0103	-2.5 to 2.5	Pass
				-10	3.80	-20.396	-0.0119	-2.5 to 2.5	Pass
				0	3.80	-16.920	-0.0098	-2.5 to 2.5	Pass
				10	3.80	-15.003	-0.0087	-2.5 to 2.5	Pass

	1745	100	0	30	3.80	-5.836	-0.0034	-2.5 to 2.5	Pass
				40	3.80	-8.095	-0.0047	-2.5 to 2.5	Pass
				50	3.80	-17.606	-0.0102	-2.5 to 2.5	Pass
				20	3.23	-0.742	-0.0004	-2.5 to 2.5	Pass
					3.80	-6.453	-0.0037	-2.5 to 2.5	Pass
					4.37	-1.235	-0.0007	-2.5 to 2.5	Pass
				-30	3.80	-9.331	-0.0053	-2.5 to 2.5	Pass
				-20	3.80	-6.072	-0.0035	-2.5 to 2.5	Pass
				-10	3.80	-3.913	-0.0022	-2.5 to 2.5	Pass
				0	3.80	-25.971	-0.0149	-2.5 to 2.5	Pass
				10	3.80	-9.899	-0.0057	-2.5 to 2.5	Pass
				30	3.80	-8.985	-0.0051	-2.5 to 2.5	Pass
	40	3.80	-10.799	-0.0062	-2.5 to 2.5	Pass			
	50	3.80	-12.731	-0.0073	-2.5 to 2.5	Pass			
	1770	100	0	20	3.23	-9.904	-0.0056	-2.5 to 2.5	Pass
					3.80	-14.930	-0.0084	-2.5 to 2.5	Pass
					4.37	-8.192	-0.0046	-2.5 to 2.5	Pass
				-30	3.80	-7.783	-0.0044	-2.5 to 2.5	Pass
				-20	3.80	-13.808	-0.0078	-2.5 to 2.5	Pass
				-10	3.80	-27.280	-0.0154	-2.5 to 2.5	Pass
				0	3.80	-17.412	-0.0098	-2.5 to 2.5	Pass
				10	3.80	-16.181	-0.0091	-2.5 to 2.5	Pass
				30	3.80	4.130	0.0023	-2.5 to 2.5	Pass
				40	3.80	3.638	0.0021	-2.5 to 2.5	Pass
50				3.80	-15.344	-0.0087	-2.5 to 2.5	Pass	
16QAM				1720	100	0	20	3.23	-7.395
	3.80	-5.210	-0.0030					-2.5 to 2.5	Pass
	4.37	-4.945	-0.0029					-2.5 to 2.5	Pass
	-30	3.80	-17.383				-0.0101	-2.5 to 2.5	Pass
	-20	3.80	-6.980				-0.0041	-2.5 to 2.5	Pass
	-10	3.80	-17.045				-0.0099	-2.5 to 2.5	Pass
	0	3.80	-17.862				-0.0104	-2.5 to 2.5	Pass
	10	3.80	-14.077				-0.0082	-2.5 to 2.5	Pass
	30	3.80	5.382				0.0031	-2.5 to 2.5	Pass
	40	3.80	-21.943				-0.0128	-2.5 to 2.5	Pass
	50	3.80	-13.089				-0.0076	-2.5 to 2.5	Pass
	1745	100	0				20	3.23	-16.948
				3.80	-10.928	-0.0063		-2.5 to 2.5	Pass
				4.37	-10.495	-0.0060		-2.5 to 2.5	Pass
				-30	3.80	-0.061	0.0000	-2.5 to 2.5	Pass
				-20	3.80	-3.023	-0.0017	-2.5 to 2.5	Pass
				-10	3.80	-23.742	-0.0136	-2.5 to 2.5	Pass
				0	3.80	-14.811	-0.0085	-2.5 to 2.5	Pass
				10	3.80	-1.502	-0.0009	-2.5 to 2.5	Pass
				30	3.80	-27.379	-0.0157	-2.5 to 2.5	Pass
				40	3.80	-8.678	-0.0050	-2.5 to 2.5	Pass
				50	3.80	-4.004	-0.0023	-2.5 to 2.5	Pass
				1770	100	0	20	3.23	-17.956
	3.80	2.292	0.0013					-2.5 to 2.5	Pass
4.37	-18.252	-0.0103	-2.5 to 2.5					Pass	
-30	3.80	-9.482	-0.0054				-2.5 to 2.5	Pass	
-20	3.80	-18.758	-0.0106				-2.5 to 2.5	Pass	
-10	3.80	-16.356	-0.0092				-2.5 to 2.5	Pass	
0	3.80	-3.236	-0.0018				-2.5 to 2.5	Pass	
10	3.80	-19.602	-0.0111				-2.5 to 2.5	Pass	
30	3.80	-19.113	-0.0108				-2.5 to 2.5	Pass	
40	3.80	-1.487	-0.0008				-2.5 to 2.5	Pass	

				50	3.80	-5.579	-0.0032	-2.5 to 2.5	Pass
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7. Frequency Stability

7.1 B7_5MHz

7.1.1 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	3.23	-13.935	-0.0056	-2.5 to 2.5	Pass
					3.80	1.834	0.0007	-2.5 to 2.5	Pass
					4.37	1.151	0.0005	-2.5 to 2.5	Pass
				-30	3.80	-5.137	-0.0021	-2.5 to 2.5	Pass
				-20	3.80	-7.064	-0.0028	-2.5 to 2.5	Pass
				-10	3.80	0.888	0.0004	-2.5 to 2.5	Pass
				0	3.80	-11.645	-0.0047	-2.5 to 2.5	Pass
				10	3.80	1.921	0.0008	-2.5 to 2.5	Pass
				30	3.80	-0.792	-0.0003	-2.5 to 2.5	Pass
	40	3.80	-1.448	-0.0006	-2.5 to 2.5	Pass			
	50	3.80	-8.361	-0.0033	-2.5 to 2.5	Pass			
	2535	25	0	20	3.23	-18.194	-0.0072	-2.5 to 2.5	Pass
					3.80	-6.984	-0.0028	-2.5 to 2.5	Pass
					4.37	-2.302	-0.0009	-2.5 to 2.5	Pass
				-30	3.80	-28.397	-0.0112	-2.5 to 2.5	Pass
				-20	3.80	-16.911	-0.0067	-2.5 to 2.5	Pass
				-10	3.80	-22.242	-0.0088	-2.5 to 2.5	Pass
				0	3.80	-19.411	-0.0077	-2.5 to 2.5	Pass
				10	3.80	-17.182	-0.0068	-2.5 to 2.5	Pass
				30	3.80	-26.992	-0.0106	-2.5 to 2.5	Pass
	40	3.80	1.187	0.0005	-2.5 to 2.5	Pass			
	50	3.80	-19.093	-0.0075	-2.5 to 2.5	Pass			
	2567.5	25	0	20	3.23	-7.073	-0.0028	-2.5 to 2.5	Pass
					3.80	2.221	0.0009	-2.5 to 2.5	Pass
					4.37	-6.162	-0.0024	-2.5 to 2.5	Pass
				-30	3.80	-12.344	-0.0048	-2.5 to 2.5	Pass
				-20	3.80	-14.970	-0.0058	-2.5 to 2.5	Pass
-10				3.80	-2.396	-0.0009	-2.5 to 2.5	Pass	
0				3.80	-16.868	-0.0066	-2.5 to 2.5	Pass	
10				3.80	-21.012	-0.0082	-2.5 to 2.5	Pass	
30				3.80	-19.857	-0.0077	-2.5 to 2.5	Pass	
40	3.80	-5.920	-0.0023	-2.5 to 2.5	Pass				
50	3.80	-8.237	-0.0032	-2.5 to 2.5	Pass				
16QAM	2502.5	25	0	20	3.23	-12.668	-0.0051	-2.5 to 2.5	Pass
					3.80	-14.721	-0.0059	-2.5 to 2.5	Pass
					4.37	-15.183	-0.0061	-2.5 to 2.5	Pass
				-30	3.80	-10.327	-0.0041	-2.5 to 2.5	Pass
				-20	3.80	-26.977	-0.0108	-2.5 to 2.5	Pass
				-10	3.80	-17.647	-0.0071	-2.5 to 2.5	Pass
				0	3.80	-4.287	-0.0017	-2.5 to 2.5	Pass
				10	3.80	0.870	0.0003	-2.5 to 2.5	Pass
				30	3.80	-11.755	-0.0047	-2.5 to 2.5	Pass
40	3.80	-19.306	-0.0077	-2.5 to 2.5	Pass				

	2535	25	0	50	3.80	-9.487	-0.0038	-2.5 to 2.5	Pass
				20	3.23	-20.684	-0.0082	-2.5 to 2.5	Pass
					3.80	-3.181	-0.0013	-2.5 to 2.5	Pass
					4.37	-25.133	-0.0099	-2.5 to 2.5	Pass
				-30	3.80	-12.662	-0.0050	-2.5 to 2.5	Pass
				-20	3.80	-6.010	-0.0024	-2.5 to 2.5	Pass
				-10	3.80	-24.460	-0.0096	-2.5 to 2.5	Pass
				0	3.80	-15.358	-0.0061	-2.5 to 2.5	Pass
				10	3.80	-8.556	-0.0034	-2.5 to 2.5	Pass
				30	3.80	-17.289	-0.0068	-2.5 to 2.5	Pass
	40	3.80	-5.541	-0.0022	-2.5 to 2.5	Pass			
	50	3.80	-14.693	-0.0058	-2.5 to 2.5	Pass			
	2567.5	25	0	20	3.23	-11.450	-0.0045	-2.5 to 2.5	Pass
					3.80	-26.359	-0.0103	-2.5 to 2.5	Pass
					4.37	-5.024	-0.0020	-2.5 to 2.5	Pass
				-30	3.80	-18.384	-0.0072	-2.5 to 2.5	Pass
				-20	3.80	-9.309	-0.0036	-2.5 to 2.5	Pass
				-10	3.80	-0.785	-0.0003	-2.5 to 2.5	Pass
				0	3.80	-7.158	-0.0028	-2.5 to 2.5	Pass
				10	3.80	-13.198	-0.0051	-2.5 to 2.5	Pass
30				3.80	-16.430	-0.0064	-2.5 to 2.5	Pass	
40				3.80	-8.373	-0.0033	-2.5 to 2.5	Pass	
50	3.80	-1.886	-0.0007	-2.5 to 2.5	Pass				

7.2 B7_10MHz

7.2.1 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	3.23	-16.161	-0.0065	-2.5 to 2.5	Pass
					3.80	-8.642	-0.0034	-2.5 to 2.5	Pass
					4.37	-27.706	-0.0111	-2.5 to 2.5	Pass
				-30	3.80	-1.446	-0.0006	-2.5 to 2.5	Pass
				-20	3.80	5.718	0.0023	-2.5 to 2.5	Pass
				-10	3.80	-2.204	-0.0009	-2.5 to 2.5	Pass
				0	3.80	-21.878	-0.0087	-2.5 to 2.5	Pass
				10	3.80	-8.866	-0.0035	-2.5 to 2.5	Pass
				30	3.80	-19.975	-0.0080	-2.5 to 2.5	Pass
				40	3.80	-27.242	-0.0109	-2.5 to 2.5	Pass
	50	3.80	-17.305	-0.0069	-2.5 to 2.5	Pass			
	2535	50	0	20	3.23	-8.938	-0.0035	-2.5 to 2.5	Pass
					3.80	-5.935	-0.0023	-2.5 to 2.5	Pass
					4.37	-4.197	-0.0017	-2.5 to 2.5	Pass
				-30	3.80	-30.298	-0.0120	-2.5 to 2.5	Pass
				-20	3.80	-2.322	-0.0009	-2.5 to 2.5	Pass
				-10	3.80	-17.138	-0.0068	-2.5 to 2.5	Pass
				0	3.80	-19.008	-0.0075	-2.5 to 2.5	Pass
				10	3.80	-11.456	-0.0045	-2.5 to 2.5	Pass
				30	3.80	0.268	0.0001	-2.5 to 2.5	Pass
				40	3.80	-17.452	-0.0069	-2.5 to 2.5	Pass
	50	3.80	-23.632	-0.0093	-2.5 to 2.5	Pass			
	2565	50	0	20	3.23	-7.747	-0.0030	-2.5 to 2.5	Pass
					3.80	6.674	0.0026	-2.5 to 2.5	Pass

					4.37	0.123	0.0000	-2.5 to 2.5	Pass
				-30	3.80	-16.489	-0.0064	-2.5 to 2.5	Pass
				-20	3.80	-16.477	-0.0064	-2.5 to 2.5	Pass
				-10	3.80	-11.518	-0.0045	-2.5 to 2.5	Pass
				0	3.80	-16.496	-0.0064	-2.5 to 2.5	Pass
				10	3.80	-8.484	-0.0033	-2.5 to 2.5	Pass
				30	3.80	-17.205	-0.0067	-2.5 to 2.5	Pass
				40	3.80	-24.483	-0.0095	-2.5 to 2.5	Pass
				50	3.80	-2.780	-0.0011	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.23	-10.546	-0.0042	-2.5 to 2.5	Pass
					3.80	5.145	0.0021	-2.5 to 2.5	Pass
					4.37	-14.573	-0.0058	-2.5 to 2.5	Pass
				-30	3.80	-27.981	-0.0112	-2.5 to 2.5	Pass
				-20	3.80	-9.343	-0.0037	-2.5 to 2.5	Pass
				-10	3.80	-5.654	-0.0023	-2.5 to 2.5	Pass
				0	3.80	1.507	0.0006	-2.5 to 2.5	Pass
				10	3.80	-21.600	-0.0086	-2.5 to 2.5	Pass
				30	3.80	-21.937	-0.0088	-2.5 to 2.5	Pass
				40	3.80	-9.469	-0.0038	-2.5 to 2.5	Pass
	50	3.80	-0.879	-0.0004	-2.5 to 2.5	Pass			
	2535	50	0	20	3.23	-17.124	-0.0068	-2.5 to 2.5	Pass
					3.80	-28.315	-0.0112	-2.5 to 2.5	Pass
					4.37	-14.211	-0.0056	-2.5 to 2.5	Pass
				-30	3.80	-22.037	-0.0087	-2.5 to 2.5	Pass
				-20	3.80	-28.578	-0.0113	-2.5 to 2.5	Pass
				-10	3.80	-24.443	-0.0096	-2.5 to 2.5	Pass
				0	3.80	-18.420	-0.0073	-2.5 to 2.5	Pass
				10	3.80	-7.719	-0.0030	-2.5 to 2.5	Pass
				30	3.80	-6.354	-0.0025	-2.5 to 2.5	Pass
				40	3.80	-27.804	-0.0110	-2.5 to 2.5	Pass
	50	3.80	-8.516	-0.0034	-2.5 to 2.5	Pass			
	2565	50	0	20	3.23	-13.482	-0.0053	-2.5 to 2.5	Pass
					3.80	-5.539	-0.0022	-2.5 to 2.5	Pass
					4.37	1.116	0.0004	-2.5 to 2.5	Pass
				-30	3.80	-10.276	-0.0040	-2.5 to 2.5	Pass
				-20	3.80	-19.568	-0.0076	-2.5 to 2.5	Pass
				-10	3.80	-17.020	-0.0066	-2.5 to 2.5	Pass
				0	3.80	-22.822	-0.0089	-2.5 to 2.5	Pass
				10	3.80	-24.038	-0.0094	-2.5 to 2.5	Pass
30				3.80	-9.835	-0.0038	-2.5 to 2.5	Pass	
40				3.80	-22.199	-0.0087	-2.5 to 2.5	Pass	
50	3.80	-7.169	-0.0028	-2.5 to 2.5	Pass				

7.3 B7_15MHz

7.3.1 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	3.23	-13.809	-0.0055	-2.5 to 2.5	Pass					
									3.80	-17.081	-0.0068	-2.5 to 2.5	Pass	
									4.37	-14.678	-0.0059	-2.5 to 2.5	Pass	
									-30	3.80	-17.076	-0.0068	-2.5 to 2.5	Pass
									-20	3.80	1.267	0.0005	-2.5 to 2.5	Pass

				-10	3.80	-30.128	-0.0120	-2.5 to 2.5	Pass	
				0	3.80	-5.491	-0.0022	-2.5 to 2.5	Pass	
				10	3.80	-5.680	-0.0023	-2.5 to 2.5	Pass	
				30	3.80	-8.140	-0.0032	-2.5 to 2.5	Pass	
				40	3.80	-23.006	-0.0092	-2.5 to 2.5	Pass	
				50	3.80	-10.225	-0.0041	-2.5 to 2.5	Pass	
	2535	75	0	20	3.23	-28.801	-0.0114	-2.5 to 2.5	Pass	
					3.80	6.307	0.0025	-2.5 to 2.5	Pass	
					4.37	-22.074	-0.0087	-2.5 to 2.5	Pass	
				-30	3.80	-3.483	-0.0014	-2.5 to 2.5	Pass	
				-20	3.80	-9.547	-0.0038	-2.5 to 2.5	Pass	
				-10	3.80	-9.125	-0.0036	-2.5 to 2.5	Pass	
		0	3.80	-17.208	-0.0068	-2.5 to 2.5	Pass			
		10	3.80	-28.616	-0.0113	-2.5 to 2.5	Pass			
		30	3.80	-25.934	-0.0102	-2.5 to 2.5	Pass			
		40	3.80	-26.722	-0.0105	-2.5 to 2.5	Pass			
		50	3.80	-26.909	-0.0106	-2.5 to 2.5	Pass			
		2562.5	75	0	20	3.23	-14.999	-0.0059	-2.5 to 2.5	Pass
	3.80					-23.686	-0.0092	-2.5 to 2.5	Pass	
	4.37					-26.139	-0.0102	-2.5 to 2.5	Pass	
	-30				3.80	-12.402	-0.0048	-2.5 to 2.5	Pass	
	-20				3.80	-23.716	-0.0093	-2.5 to 2.5	Pass	
	-10				3.80	-13.958	-0.0054	-2.5 to 2.5	Pass	
	0		3.80	-32.520	-0.0127	-2.5 to 2.5	Pass			
	10		3.80	-6.595	-0.0026	-2.5 to 2.5	Pass			
	30		3.80	-20.958	-0.0082	-2.5 to 2.5	Pass			
	40		3.80	-11.847	-0.0046	-2.5 to 2.5	Pass			
	50		3.80	-24.825	-0.0097	-2.5 to 2.5	Pass			
	16QAM		2507.5	75	0	20	3.23	-13.794	-0.0055	-2.5 to 2.5
		3.80					-17.679	-0.0071	-2.5 to 2.5	Pass
4.37		-17.507					-0.0070	-2.5 to 2.5	Pass	
-30		3.80				-21.254	-0.0085	-2.5 to 2.5	Pass	
-20		3.80				-19.904	-0.0079	-2.5 to 2.5	Pass	
-10		3.80				-8.413	-0.0034	-2.5 to 2.5	Pass	
0		3.80		-16.942	-0.0068	-2.5 to 2.5	Pass			
10		3.80		-8.716	-0.0035	-2.5 to 2.5	Pass			
30		3.80		-18.426	-0.0073	-2.5 to 2.5	Pass			
40		3.80		-3.862	-0.0015	-2.5 to 2.5	Pass			
50		3.80		-10.398	-0.0041	-2.5 to 2.5	Pass			
2535		75		0	20	3.23	-19.717	-0.0078	-2.5 to 2.5	Pass
			3.80			-15.989	-0.0063	-2.5 to 2.5	Pass	
			4.37			-24.483	-0.0097	-2.5 to 2.5	Pass	
			-30		3.80	-18.698	-0.0074	-2.5 to 2.5	Pass	
			-20		3.80	-19.471	-0.0077	-2.5 to 2.5	Pass	
			-10		3.80	-19.382	-0.0076	-2.5 to 2.5	Pass	
		0	3.80	-23.938	-0.0094	-2.5 to 2.5	Pass			
		10	3.80	-13.777	-0.0054	-2.5 to 2.5	Pass			
		30	3.80	-23.335	-0.0092	-2.5 to 2.5	Pass			
		40	3.80	-21.605	-0.0085	-2.5 to 2.5	Pass			
		50	3.80	-16.481	-0.0065	-2.5 to 2.5	Pass			
		2562.5	75	0	20	3.23	-23.396	-0.0091	-2.5 to 2.5	Pass
3.80						-6.428	-0.0025	-2.5 to 2.5	Pass	
4.37						-3.471	-0.0014	-2.5 to 2.5	Pass	
-30					3.80	-11.601	-0.0045	-2.5 to 2.5	Pass	
-20					3.80	-5.225	-0.0020	-2.5 to 2.5	Pass	
-10					3.80	-19.057	-0.0074	-2.5 to 2.5	Pass	
0		3.80	-17.060	-0.0067	-2.5 to 2.5	Pass				

				10	3.80	-14.509	-0.0057	-2.5 to 2.5	Pass
				30	3.80	-14.548	-0.0057	-2.5 to 2.5	Pass
				40	3.80	1.344	0.0005	-2.5 to 2.5	Pass
				50	3.80	-26.585	-0.0104	-2.5 to 2.5	Pass

7.4 B7_20MHz

7.4.1 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	3.23	-2.477	-0.0010	-2.5 to 2.5	Pass
					3.80	-18.903	-0.0075	-2.5 to 2.5	Pass
					4.37	-12.691	-0.0051	-2.5 to 2.5	Pass
				-30	3.80	-9.786	-0.0039	-2.5 to 2.5	Pass
				-20	3.80	7.438	0.0030	-2.5 to 2.5	Pass
				-10	3.80	-6.759	-0.0027	-2.5 to 2.5	Pass
				0	3.80	-6.232	-0.0025	-2.5 to 2.5	Pass
				10	3.80	-5.095	-0.0020	-2.5 to 2.5	Pass
				30	3.80	-11.564	-0.0046	-2.5 to 2.5	Pass
	40	3.80	-0.458	-0.0002	-2.5 to 2.5	Pass			
	50	3.80	-16.423	-0.0065	-2.5 to 2.5	Pass			
	2535	100	0	20	3.23	-7.317	-0.0029	-2.5 to 2.5	Pass
					3.80	-16.862	-0.0067	-2.5 to 2.5	Pass
					4.37	-19.864	-0.0078	-2.5 to 2.5	Pass
				-30	3.80	-12.470	-0.0049	-2.5 to 2.5	Pass
				-20	3.80	-19.953	-0.0079	-2.5 to 2.5	Pass
				-10	3.80	-10.132	-0.0040	-2.5 to 2.5	Pass
				0	3.80	-5.938	-0.0023	-2.5 to 2.5	Pass
				10	3.80	-5.270	-0.0021	-2.5 to 2.5	Pass
				30	3.80	-11.134	-0.0044	-2.5 to 2.5	Pass
	40	3.80	-20.263	-0.0080	-2.5 to 2.5	Pass			
	50	3.80	-3.013	-0.0012	-2.5 to 2.5	Pass			
	2560	100	0	20	3.23	-7.613	-0.0030	-2.5 to 2.5	Pass
					3.80	-12.144	-0.0047	-2.5 to 2.5	Pass
					4.37	-21.832	-0.0085	-2.5 to 2.5	Pass
				-30	3.80	-15.639	-0.0061	-2.5 to 2.5	Pass
				-20	3.80	-7.465	-0.0029	-2.5 to 2.5	Pass
-10				3.80	-1.226	-0.0005	-2.5 to 2.5	Pass	
0				3.80	3.113	0.0012	-2.5 to 2.5	Pass	
10				3.80	-6.470	-0.0025	-2.5 to 2.5	Pass	
30				3.80	-17.634	-0.0069	-2.5 to 2.5	Pass	
40	3.80	-16.753	-0.0065	-2.5 to 2.5	Pass				
50	3.80	-26.076	-0.0102	-2.5 to 2.5	Pass				
16QAM	2510	100	0	20	3.23	-16.275	-0.0065	-2.5 to 2.5	Pass
					3.80	-23.245	-0.0093	-2.5 to 2.5	Pass
					4.37	0.244	0.0001	-2.5 to 2.5	Pass
				-30	3.80	-13.347	-0.0053	-2.5 to 2.5	Pass
				-20	3.80	-25.262	-0.0101	-2.5 to 2.5	Pass
				-10	3.80	-13.951	-0.0056	-2.5 to 2.5	Pass
				0	3.80	-7.459	-0.0030	-2.5 to 2.5	Pass
				10	3.80	-6.753	-0.0027	-2.5 to 2.5	Pass
				30	3.80	2.983	0.0012	-2.5 to 2.5	Pass
40	3.80	-12.055	-0.0048	-2.5 to 2.5	Pass				

	2535	100	0	50	3.80	-19.870	-0.0079	-2.5 to 2.5	Pass
				20	3.23	-19.653	-0.0078	-2.5 to 2.5	Pass
					3.80	-11.480	-0.0045	-2.5 to 2.5	Pass
					4.37	-17.288	-0.0068	-2.5 to 2.5	Pass
					-30	3.80	-2.859	-0.0011	-2.5 to 2.5
				-20	3.80	-24.971	-0.0099	-2.5 to 2.5	Pass
				-10	3.80	-17.704	-0.0070	-2.5 to 2.5	Pass
				0	3.80	3.547	0.0014	-2.5 to 2.5	Pass
				10	3.80	-12.992	-0.0051	-2.5 to 2.5	Pass
				30	3.80	-10.680	-0.0042	-2.5 to 2.5	Pass
	40	3.80	-19.330	-0.0076	-2.5 to 2.5	Pass			
	50	3.80	-4.022	-0.0016	-2.5 to 2.5	Pass			
	2560	100	0	20	3.23	-7.483	-0.0029	-2.5 to 2.5	Pass
					3.80	-0.615	-0.0002	-2.5 to 2.5	Pass
					4.37	-12.881	-0.0050	-2.5 to 2.5	Pass
					-30	3.80	-4.381	-0.0017	-2.5 to 2.5
				-20	3.80	-20.727	-0.0081	-2.5 to 2.5	Pass
				-10	3.80	-7.861	-0.0031	-2.5 to 2.5	Pass
				0	3.80	-0.124	0.0000	-2.5 to 2.5	Pass
				10	3.80	3.351	0.0013	-2.5 to 2.5	Pass
30				3.80	4.456	0.0017	-2.5 to 2.5	Pass	
40				3.80	-5.252	-0.0021	-2.5 to 2.5	Pass	
50	3.80	-4.053	-0.0016	-2.5 to 2.5	Pass				