

1. Frequency Stability

1.1 B12_1.4MHz

1.1.1 Test Result

Band: 12 / 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	699.7	6	0	20	3.27	13.094	0.0187	-2.5 to 2.5	Pass
					3.85	-7.195	-0.0103	-2.5 to 2.5	Pass
					4.43	-6.704	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-7.138	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-22.352	-0.0319	-2.5 to 2.5	Pass
				-10	3.85	-8.046	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-22.733	-0.0325	-2.5 to 2.5	Pass
				10	3.85	-2.279	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-3.167	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-10.350	-0.0148	-2.5 to 2.5	Pass
	50	3.85	-15.078	-0.0215	-2.5 to 2.5	Pass			
	707.5	6	0	20	3.27	9.739	0.0138	-2.5 to 2.5	Pass
					3.85	1.890	0.0027	-2.5 to 2.5	Pass
					4.43	-4.922	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-10.577	-0.0149	-2.5 to 2.5	Pass
				-20	3.85	-14.758	-0.0209	-2.5 to 2.5	Pass
				-10	3.85	-19.545	-0.0276	-2.5 to 2.5	Pass
				0	3.85	-20.980	-0.0297	-2.5 to 2.5	Pass
				10	3.85	-23.672	-0.0335	-2.5 to 2.5	Pass
				30	3.85	-27.946	-0.0395	-2.5 to 2.5	Pass
				40	3.85	-5.349	-0.0076	-2.5 to 2.5	Pass
	50	3.85	-9.176	-0.0130	-2.5 to 2.5	Pass			
	715.3	6	0	20	3.27	-18.816	-0.0263	-2.5 to 2.5	Pass
					3.85	-23.070	-0.0323	-2.5 to 2.5	Pass
					4.43	-8.927	-0.0125	-2.5 to 2.5	Pass
				-30	3.85	-11.887	-0.0166	-2.5 to 2.5	Pass
				-20	3.85	-10.976	-0.0153	-2.5 to 2.5	Pass
				-10	3.85	-17.643	-0.0247	-2.5 to 2.5	Pass
				0	3.85	-5.723	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-12.727	-0.0178	-2.5 to 2.5	Pass
30				3.85	-10.171	-0.0142	-2.5 to 2.5	Pass	
40				3.85	-26.005	-0.0364	-2.5 to 2.5	Pass	
50	3.85	-6.306	-0.0088	-2.5 to 2.5	Pass				
16QAM	699.7	6	0	20	3.27	-25.633	-0.0366	-2.5 to 2.5	Pass
					3.85	-10.210	-0.0146	-2.5 to 2.5	Pass
					4.43	1.463	0.0021	-2.5 to 2.5	Pass
				-30	3.85	12.142	0.0174	-2.5 to 2.5	Pass
				-20	3.85	26.918	0.0385	-2.5 to 2.5	Pass
				-10	3.85	15.431	0.0221	-2.5 to 2.5	Pass
				0	3.85	23.371	0.0334	-2.5 to 2.5	Pass
				10	3.85	4.512	0.0064	-2.5 to 2.5	Pass
				30	3.85	13.966	0.0200	-2.5 to 2.5	Pass
				40	3.85	0.453	0.0006	-2.5 to 2.5	Pass
	50	3.85	0.454	0.0006	-2.5 to 2.5	Pass			
	707.5	6	0	20	3.27	-8.923	-0.0126	-2.5 to 2.5	Pass
					3.85	10.570	0.0149	-2.5 to 2.5	Pass
					4.43	27.423	0.0388	-2.5 to 2.5	Pass
-30				3.85	16.771	0.0237	-2.5 to 2.5	Pass	
-20	3.85	7.950	0.0112	-2.5 to 2.5	Pass				

				-10	3.85	4.256	0.0060	-2.5 to 2.5	Pass
				0	3.85	16.052	0.0227	-2.5 to 2.5	Pass
				10	3.85	24.249	0.0343	-2.5 to 2.5	Pass
				30	3.85	0.224	0.0003	-2.5 to 2.5	Pass
				40	3.85	3.026	0.0043	-2.5 to 2.5	Pass
				50	3.85	7.783	0.0110	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-6.170	-0.0086	-2.5 to 2.5	Pass
					3.85	-19.139	-0.0268	-2.5 to 2.5	Pass
					4.43	-20.772	-0.0290	-2.5 to 2.5	Pass
				-30	3.85	-8.619	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-23.076	-0.0323	-2.5 to 2.5	Pass
				-10	3.85	-6.088	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-14.490	-0.0203	-2.5 to 2.5	Pass
				10	3.85	-27.438	-0.0384	-2.5 to 2.5	Pass
				30	3.85	-9.282	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-11.966	-0.0167	-2.5 to 2.5	Pass
				50	3.85	-23.156	-0.0324	-2.5 to 2.5	Pass

1.2 B12_3MHz

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	13.797	0.0197	-2.5 to 2.5	Pass
					3.85	-12.910	-0.0184	-2.5 to 2.5	Pass
					4.43	-22.406	-0.0320	-2.5 to 2.5	Pass
				-30	3.85	-3.701	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-6.919	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-6.538	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-1.043	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-15.015	-0.0214	-2.5 to 2.5	Pass
				30	3.85	-6.412	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-21.551	-0.0308	-2.5 to 2.5	Pass
				50	3.85	-11.707	-0.0167	-2.5 to 2.5	Pass
				707.5	15	0	20	3.27	19.222
	3.85	22.480	0.0318					-2.5 to 2.5	Pass
	4.43	12.637	0.0179					-2.5 to 2.5	Pass
	-30	3.85	9.474				0.0134	-2.5 to 2.5	Pass
	-20	3.85	6.061				0.0086	-2.5 to 2.5	Pass
	-10	3.85	2.061				0.0029	-2.5 to 2.5	Pass
	0	3.85	-0.533				-0.0008	-2.5 to 2.5	Pass
	10	3.85	0.986				0.0014	-2.5 to 2.5	Pass
	30	3.85	-1.755				-0.0025	-2.5 to 2.5	Pass
	40	3.85	2.433				0.0034	-2.5 to 2.5	Pass
	50	3.85	0.002				0.0000	-2.5 to 2.5	Pass
	714.5	15	0				20	3.27	1.358
				3.85	-27.299	-0.0382		-2.5 to 2.5	Pass
				4.43	-23.294	-0.0326		-2.5 to 2.5	Pass
				-30	3.85	-11.046	-0.0155	-2.5 to 2.5	Pass
				-20	3.85	-16.471	-0.0231	-2.5 to 2.5	Pass
				-10	3.85	-21.150	-0.0296	-2.5 to 2.5	Pass
				0	3.85	-20.418	-0.0286	-2.5 to 2.5	Pass
				10	3.85	-23.052	-0.0323	-2.5 to 2.5	Pass
30				3.85	-17.744	-0.0248	-2.5 to 2.5	Pass	
40				3.85	-11.361	-0.0159	-2.5 to 2.5	Pass	

16QAM	700.5	15	0	50	3.85	-28.883	-0.0404	-2.5 to 2.5	Pass
				20	3.27	-1.377	-0.0020	-2.5 to 2.5	Pass
					3.85	20.900	0.0298	-2.5 to 2.5	Pass
				20	4.43	7.119	0.0102	-2.5 to 2.5	Pass
					-30	3.85	19.013	0.0271	-2.5 to 2.5
				-20	3.85	24.124	0.0344	-2.5 to 2.5	Pass
				-10	3.85	2.010	0.0029	-2.5 to 2.5	Pass
				0	3.85	12.816	0.0183	-2.5 to 2.5	Pass
				10	3.85	16.915	0.0241	-2.5 to 2.5	Pass
				30	3.85	20.652	0.0295	-2.5 to 2.5	Pass
	40	3.85	24.830	0.0354	-2.5 to 2.5	Pass			
	50	3.85	26.183	0.0374	-2.5 to 2.5	Pass			
	707.5	15	0	20	3.27	-5.620	-0.0079	-2.5 to 2.5	Pass
					3.85	14.258	0.0202	-2.5 to 2.5	Pass
				20	4.43	8.736	0.0123	-2.5 to 2.5	Pass
					-30	3.85	24.658	0.0349	-2.5 to 2.5
				-20	3.85	20.069	0.0284	-2.5 to 2.5	Pass
				-10	3.85	3.985	0.0056	-2.5 to 2.5	Pass
				0	3.85	15.296	0.0216	-2.5 to 2.5	Pass
				10	3.85	22.689	0.0321	-2.5 to 2.5	Pass
				30	3.85	3.454	0.0049	-2.5 to 2.5	Pass
				40	3.85	12.364	0.0175	-2.5 to 2.5	Pass
	50	3.85	24.406	0.0345	-2.5 to 2.5	Pass			
	714.5	15	0	20	3.27	-18.767	-0.0263	-2.5 to 2.5	Pass
					3.85	-7.839	-0.0110	-2.5 to 2.5	Pass
				20	4.43	-0.752	-0.0011	-2.5 to 2.5	Pass
					-30	3.85	8.922	0.0125	-2.5 to 2.5
				-20	3.85	10.412	0.0146	-2.5 to 2.5	Pass
				-10	3.85	9.910	0.0139	-2.5 to 2.5	Pass
				0	3.85	14.472	0.0203	-2.5 to 2.5	Pass
10				3.85	24.381	0.0341	-2.5 to 2.5	Pass	
30				3.85	-0.701	-0.0010	-2.5 to 2.5	Pass	
40				3.85	0.965	0.0014	-2.5 to 2.5	Pass	
50	3.85	3.835	0.0054	-2.5 to 2.5	Pass				

1.3 B12_5MHz

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	21.999	0.0314	-2.5 to 2.5	Pass
					3.85	-15.678	-0.0223	-2.5 to 2.5	Pass
					4.43	-15.447	-0.0220	-2.5 to 2.5	Pass
				-30	3.85	-9.221	-0.0131	-2.5 to 2.5	Pass
				-20	3.85	-22.749	-0.0324	-2.5 to 2.5	Pass
				-10	3.85	-6.744	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-15.163	-0.0216	-2.5 to 2.5	Pass
				10	3.85	-28.142	-0.0401	-2.5 to 2.5	Pass
				30	3.85	-8.172	-0.0116	-2.5 to 2.5	Pass
				40	3.85	-15.510	-0.0221	-2.5 to 2.5	Pass
	50	3.85	-27.199	-0.0388	-2.5 to 2.5	Pass			
	707.5	25	0	20	3.27	22.018	0.0311	-2.5 to 2.5	Pass
					3.85	14.826	0.0210	-2.5 to 2.5	Pass
					4.43	10.343	0.0146	-2.5 to 2.5	Pass
-30					3.85	2.527	0.0036	-2.5 to 2.5	Pass

				-20	3.85	-1.460	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	3.165	0.0045	-2.5 to 2.5	Pass
				0	3.85	3.198	0.0045	-2.5 to 2.5	Pass
				10	3.85	4.021	0.0057	-2.5 to 2.5	Pass
				30	3.85	8.082	0.0114	-2.5 to 2.5	Pass
				40	3.85	12.040	0.0170	-2.5 to 2.5	Pass
	50	3.85	7.196	0.0102	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	9.453	0.0132	-2.5 to 2.5	Pass
					3.85	-21.827	-0.0306	-2.5 to 2.5	Pass
					4.43	-14.688	-0.0206	-2.5 to 2.5	Pass
				-30	3.85	-26.187	-0.0367	-2.5 to 2.5	Pass
				-20	3.85	-2.863	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-27.266	-0.0382	-2.5 to 2.5	Pass
				0	3.85	-19.382	-0.0272	-2.5 to 2.5	Pass
				10	3.85	-10.702	-0.0150	-2.5 to 2.5	Pass
				30	3.85	-2.743	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-22.140	-0.0310	-2.5 to 2.5	Pass
				50	3.85	-9.673	-0.0136	-2.5 to 2.5	Pass
16QAM				701.5	25	0	20	3.27	-6.289
	3.85	14.708	0.0210					-2.5 to 2.5	Pass
	4.43	1.901	0.0027					-2.5 to 2.5	Pass
	-30	3.85	18.151				0.0259	-2.5 to 2.5	Pass
	-20	3.85	4.798				0.0068	-2.5 to 2.5	Pass
	-10	3.85	20.563				0.0293	-2.5 to 2.5	Pass
	0	3.85	5.131				0.0073	-2.5 to 2.5	Pass
	10	3.85	12.525				0.0179	-2.5 to 2.5	Pass
	30	3.85	23.241				0.0331	-2.5 to 2.5	Pass
	40	3.85	6.628				0.0094	-2.5 to 2.5	Pass
	50	3.85	12.500				0.0178	-2.5 to 2.5	Pass
	707.5	25	0				20	3.27	1.783
				3.85	24.289	0.0343		-2.5 to 2.5	Pass
				4.43	20.049	0.0283		-2.5 to 2.5	Pass
				-30	3.85	13.000	0.0184	-2.5 to 2.5	Pass
				-20	3.85	3.902	0.0055	-2.5 to 2.5	Pass
				-10	3.85	15.039	0.0213	-2.5 to 2.5	Pass
				0	3.85	19.222	0.0272	-2.5 to 2.5	Pass
				10	3.85	25.112	0.0355	-2.5 to 2.5	Pass
				30	3.85	4.092	0.0058	-2.5 to 2.5	Pass
				40	3.85	2.737	0.0039	-2.5 to 2.5	Pass
				50	3.85	9.025	0.0128	-2.5 to 2.5	Pass
				713.5	25	0	20	3.27	-21.277
	3.85	-11.076	-0.0155					-2.5 to 2.5	Pass
	4.43	6.145	0.0086					-2.5 to 2.5	Pass
	-30	3.85	14.271				0.0200	-2.5 to 2.5	Pass
	-20	3.85	20.584				0.0288	-2.5 to 2.5	Pass
	-10	3.85	26.385				0.0370	-2.5 to 2.5	Pass
	0	3.85	1.948				0.0027	-2.5 to 2.5	Pass
	10	3.85	7.953				0.0111	-2.5 to 2.5	Pass
30	3.85	9.201	0.0129				-2.5 to 2.5	Pass	
40	3.85	9.248	0.0130				-2.5 to 2.5	Pass	
50	3.85	8.667	0.0121				-2.5 to 2.5	Pass	

1.4 B12_10MHz

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	18.757	0.0266	-2.5 to 2.5	Pass
					3.85	-8.662	-0.0123	-2.5 to 2.5	Pass
					4.43	-3.716	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-23.635	-0.0336	-2.5 to 2.5	Pass
				-20	3.85	-10.428	-0.0148	-2.5 to 2.5	Pass
				-10	3.85	-22.279	-0.0316	-2.5 to 2.5	Pass
				0	3.85	-2.775	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-12.414	-0.0176	-2.5 to 2.5	Pass
				30	3.85	-23.153	-0.0329	-2.5 to 2.5	Pass
				40	3.85	-24.114	-0.0343	-2.5 to 2.5	Pass
	50	3.85	-2.329	-0.0033	-2.5 to 2.5	Pass			
	707.5	50	0	20	3.27	16.251	0.0230	-2.5 to 2.5	Pass
					3.85	-8.178	-0.0116	-2.5 to 2.5	Pass
					4.43	-22.881	-0.0323	-2.5 to 2.5	Pass
				-30	3.85	-4.411	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-12.235	-0.0173	-2.5 to 2.5	Pass
				-10	3.85	-22.146	-0.0313	-2.5 to 2.5	Pass
				0	3.85	-4.285	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-5.698	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-5.694	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-14.108	-0.0199	-2.5 to 2.5	Pass
	50	3.85	-19.792	-0.0280	-2.5 to 2.5	Pass			
	711	50	0	20	3.27	19.824	0.0279	-2.5 to 2.5	Pass
					3.85	-18.311	-0.0258	-2.5 to 2.5	Pass
					4.43	-14.047	-0.0198	-2.5 to 2.5	Pass
				-30	3.85	-5.853	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-20.898	-0.0294	-2.5 to 2.5	Pass
				-10	3.85	-6.148	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-18.411	-0.0259	-2.5 to 2.5	Pass
				10	3.85	-28.695	-0.0404	-2.5 to 2.5	Pass
30				3.85	-11.639	-0.0164	-2.5 to 2.5	Pass	
40				3.85	-20.361	-0.0286	-2.5 to 2.5	Pass	
50	3.85	-8.050	-0.0113	-2.5 to 2.5	Pass				
16QAM	704	27	0	20	3.27	-1.500	-0.0021	-2.5 to 2.5	Pass
					3.85	16.595	0.0236	-2.5 to 2.5	Pass
					4.43	9.016	0.0128	-2.5 to 2.5	Pass
				-30	3.85	18.471	0.0262	-2.5 to 2.5	Pass
				-20	3.85	5.697	0.0081	-2.5 to 2.5	Pass
				-10	3.85	19.331	0.0275	-2.5 to 2.5	Pass
				0	3.85	26.887	0.0382	-2.5 to 2.5	Pass
				10	3.85	3.604	0.0051	-2.5 to 2.5	Pass
				30	3.85	4.288	0.0061	-2.5 to 2.5	Pass
				40	3.85	7.607	0.0108	-2.5 to 2.5	Pass
	50	3.85	10.550	0.0150	-2.5 to 2.5	Pass			
	707.5	27	0	20	3.27	-24.730	-0.0350	-2.5 to 2.5	Pass
					3.85	-5.822	-0.0082	-2.5 to 2.5	Pass
					4.43	12.959	0.0183	-2.5 to 2.5	Pass
				-30	3.85	-0.221	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	15.912	0.0225	-2.5 to 2.5	Pass
				-10	3.85	27.169	0.0384	-2.5 to 2.5	Pass
				0	3.85	5.676	0.0080	-2.5 to 2.5	Pass
				10	3.85	10.915	0.0154	-2.5 to 2.5	Pass
				30	3.85	15.746	0.0223	-2.5 to 2.5	Pass
				40	3.85	24.815	0.0351	-2.5 to 2.5	Pass
	50	3.85	4.829	0.0068	-2.5 to 2.5	Pass			
	711	27	23	20	3.27	-22.861	-0.0322	-2.5 to 2.5	Pass
					3.85	-12.462	-0.0175	-2.5 to 2.5	Pass

					4.43	2.610	0.0037	-2.5 to 2.5	Pass
				-30	3.85	13.078	0.0184	-2.5 to 2.5	Pass
				-20	3.85	15.592	0.0219	-2.5 to 2.5	Pass
				-10	3.85	22.530	0.0317	-2.5 to 2.5	Pass
				0	3.85	22.757	0.0320	-2.5 to 2.5	Pass
				10	3.85	21.644	0.0304	-2.5 to 2.5	Pass
				30	3.85	15.216	0.0214	-2.5 to 2.5	Pass
				40	3.85	13.469	0.0189	-2.5 to 2.5	Pass
				50	3.85	15.104	0.0212	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B14_5MHz

2.1.1 Test Result

Band: 14 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	790.5	25	0	20	3.27	17.697	0.0224	-2.5 to 2.5	Pass
					3.85	-13.529	-0.0171	-2.5 to 2.5	Pass
					4.43	-16.367	-0.0207	-2.5 to 2.5	Pass
				-30	3.85	-18.630	-0.0236	-2.5 to 2.5	Pass
				-20	3.85	-5.792	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-23.284	-0.0295	-2.5 to 2.5	Pass
				0	3.85	-15.768	-0.0199	-2.5 to 2.5	Pass
				10	3.85	-18.646	-0.0236	-2.5 to 2.5	Pass
				30	3.85	-30.749	-0.0389	-2.5 to 2.5	Pass
				40	3.85	-18.044	-0.0228	-2.5 to 2.5	Pass
	50	3.85	-18.182	-0.0230	-2.5 to 2.5	Pass			
	793	25	0	20	3.27	21.228	0.0268	-2.5 to 2.5	Pass
					3.85	-28.180	-0.0355	-2.5 to 2.5	Pass
					4.43	-23.550	-0.0297	-2.5 to 2.5	Pass
				-30	3.85	-27.403	-0.0346	-2.5 to 2.5	Pass
				-20	3.85	-12.556	-0.0158	-2.5 to 2.5	Pass
				-10	3.85	-12.953	-0.0163	-2.5 to 2.5	Pass
				0	3.85	-23.249	-0.0293	-2.5 to 2.5	Pass
				10	3.85	-22.618	-0.0285	-2.5 to 2.5	Pass
				30	3.85	-22.062	-0.0278	-2.5 to 2.5	Pass
				40	3.85	-11.365	-0.0143	-2.5 to 2.5	Pass
	50	3.85	-12.172	-0.0153	-2.5 to 2.5	Pass			
	795.5	25	0	20	3.27	9.615	0.0121	-2.5 to 2.5	Pass
					3.85	-19.640	-0.0247	-2.5 to 2.5	Pass
					4.43	-11.145	-0.0140	-2.5 to 2.5	Pass
				-30	3.85	-19.316	-0.0243	-2.5 to 2.5	Pass
				-20	3.85	-12.151	-0.0153	-2.5 to 2.5	Pass
				-10	3.85	-26.967	-0.0339	-2.5 to 2.5	Pass
				0	3.85	-27.812	-0.0350	-2.5 to 2.5	Pass
				10	3.85	-29.391	-0.0369	-2.5 to 2.5	Pass
30				3.85	-28.634	-0.0360	-2.5 to 2.5	Pass	
40				3.85	-12.553	-0.0158	-2.5 to 2.5	Pass	
50	3.85	-21.565	-0.0271	-2.5 to 2.5	Pass				
16QAM	790.5	25	0	20	3.27	-24.586	-0.0311	-2.5 to 2.5	Pass
					3.85	24.596	0.0311	-2.5 to 2.5	Pass
					4.43	19.410	0.0246	-2.5 to 2.5	Pass
				-30	3.85	29.240	0.0370	-2.5 to 2.5	Pass

				-20	3.85	21.607	0.0273	-2.5 to 2.5	Pass			
				-10	3.85	28.202	0.0357	-2.5 to 2.5	Pass			
				0	3.85	18.288	0.0231	-2.5 to 2.5	Pass			
				10	3.85	21.870	0.0277	-2.5 to 2.5	Pass			
				30	3.85	16.003	0.0202	-2.5 to 2.5	Pass			
				40	3.85	13.328	0.0169	-2.5 to 2.5	Pass			
				50	3.85	15.221	0.0193	-2.5 to 2.5	Pass			
	793	25	0	20	3.27	-11.320	-0.0143	-2.5 to 2.5	Pass			
					3.85	5.952	0.0075	-2.5 to 2.5	Pass			
					4.43	19.271	0.0243	-2.5 to 2.5	Pass			
				-30	3.85	17.272	0.0218	-2.5 to 2.5	Pass			
				-20	3.85	25.947	0.0327	-2.5 to 2.5	Pass			
				-10	3.85	-0.625	-0.0008	-2.5 to 2.5	Pass			
				0	3.85	-17.259	-0.0218	-2.5 to 2.5	Pass			
				10	3.85	-9.691	-0.0122	-2.5 to 2.5	Pass			
				30	3.85	-11.137	-0.0140	-2.5 to 2.5	Pass			
				40	3.85	-30.423	-0.0384	-2.5 to 2.5	Pass			
				50	3.85	0.593	0.0007	-2.5 to 2.5	Pass			
				795.5	25	0	20	3.27	-20.988	-0.0264	-2.5 to 2.5	Pass
								3.85	21.485	0.0270	-2.5 to 2.5	Pass
	4.43	9.371	0.0118					-2.5 to 2.5	Pass			
	-30	3.85	9.745				0.0123	-2.5 to 2.5	Pass			
	-20	3.85	28.964				0.0364	-2.5 to 2.5	Pass			
	-10	3.85	14.407				0.0181	-2.5 to 2.5	Pass			
	0	3.85	9.054				0.0114	-2.5 to 2.5	Pass			
	10	3.85	18.377				0.0231	-2.5 to 2.5	Pass			
	30	3.85	19.478				0.0245	-2.5 to 2.5	Pass			
	40	3.85	28.935				0.0364	-2.5 to 2.5	Pass			
	50	3.85	3.149	0.0040	-2.5 to 2.5	Pass						

2.2 B14_10MHz

2.2.1 Test Result

Band: 14 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	793	50	0	20	3.27	23.306	0.0294	-2.5 to 2.5	Pass
					3.85	-23.514	-0.0297	-2.5 to 2.5	Pass
					4.43	-27.472	-0.0346	-2.5 to 2.5	Pass
				-30	3.85	-26.577	-0.0335	-2.5 to 2.5	Pass
				-20	3.85	-12.161	-0.0153	-2.5 to 2.5	Pass
				-10	3.85	-15.645	-0.0197	-2.5 to 2.5	Pass
				0	3.85	-23.132	-0.0292	-2.5 to 2.5	Pass
				10	3.85	-23.627	-0.0298	-2.5 to 2.5	Pass
				30	3.85	-29.713	-0.0375	-2.5 to 2.5	Pass
				40	3.85	-17.912	-0.0226	-2.5 to 2.5	Pass
16QAM	793	27	0	20	3.85	-26.812	-0.0338	-2.5 to 2.5	Pass
					3.27	-21.447	-0.0270	-2.5 to 2.5	Pass
					4.43	26.854	0.0339	-2.5 to 2.5	Pass
				-30	3.85	10.988	0.0139	-2.5 to 2.5	Pass
				-20	3.85	12.839	0.0162	-2.5 to 2.5	Pass
				-10	3.85	26.278	0.0331	-2.5 to 2.5	Pass
				0	3.85	19.847	0.0250	-2.5 to 2.5	Pass
				10	3.85	22.339	0.0282	-2.5 to 2.5	Pass
				30	3.85	22.395	0.0282	-2.5 to 2.5	Pass

				40	3.85	18.299	0.0231	-2.5 to 2.5	Pass
				50	3.85	21.825	0.0275	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 B17_5MHz

3.1.1 Test Result

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	13.869	0.0196	-2.5 to 2.5	Pass
					3.85	-17.116	-0.0242	-2.5 to 2.5	Pass
					4.43	-1.731	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-18.567	-0.0263	-2.5 to 2.5	Pass
				-20	3.85	-4.637	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-20.967	-0.0297	-2.5 to 2.5	Pass
				0	3.85	-12.865	-0.0182	-2.5 to 2.5	Pass
				10	3.85	-28.101	-0.0398	-2.5 to 2.5	Pass
				30	3.85	-13.270	-0.0188	-2.5 to 2.5	Pass
	40	3.85	-25.165	-0.0356	-2.5 to 2.5	Pass			
	50	3.85	-11.493	-0.0163	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	10.399	0.0146	-2.5 to 2.5	Pass
					3.85	-11.090	-0.0156	-2.5 to 2.5	Pass
					4.43	-4.607	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-21.637	-0.0305	-2.5 to 2.5	Pass
				-20	3.85	-26.741	-0.0377	-2.5 to 2.5	Pass
				-10	3.85	-18.707	-0.0263	-2.5 to 2.5	Pass
				0	3.85	-23.484	-0.0331	-2.5 to 2.5	Pass
				10	3.85	-23.098	-0.0325	-2.5 to 2.5	Pass
				30	3.85	-24.619	-0.0347	-2.5 to 2.5	Pass
	40	3.85	-29.674	-0.0418	-2.5 to 2.5	Pass			
	50	3.85	-23.620	-0.0333	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	10.217	0.0143	-2.5 to 2.5	Pass
					3.85	-11.143	-0.0156	-2.5 to 2.5	Pass
					4.43	-18.902	-0.0265	-2.5 to 2.5	Pass
				-30	3.85	-24.891	-0.0349	-2.5 to 2.5	Pass
				-20	3.85	-7.589	-0.0106	-2.5 to 2.5	Pass
-10				3.85	-14.893	-0.0209	-2.5 to 2.5	Pass	
0				3.85	-20.755	-0.0291	-2.5 to 2.5	Pass	
10				3.85	-25.585	-0.0359	-2.5 to 2.5	Pass	
30				3.85	-25.583	-0.0359	-2.5 to 2.5	Pass	
40	3.85	-18.314	-0.0257	-2.5 to 2.5	Pass				
50	3.85	-10.486	-0.0147	-2.5 to 2.5	Pass				
16QAM	706.5	25	0	20	3.27	-25.643	-0.0363	-2.5 to 2.5	Pass
					3.85	-4.645	-0.0066	-2.5 to 2.5	Pass
					4.43	15.589	0.0221	-2.5 to 2.5	Pass
				-30	3.85	19.029	0.0269	-2.5 to 2.5	Pass
				-20	3.85	6.564	0.0093	-2.5 to 2.5	Pass
				-10	3.85	11.871	0.0168	-2.5 to 2.5	Pass
				0	3.85	18.299	0.0259	-2.5 to 2.5	Pass
				10	3.85	6.353	0.0090	-2.5 to 2.5	Pass
				30	3.85	-12.467	-0.0176	-2.5 to 2.5	Pass
40	3.85	-21.815	-0.0309	-2.5 to 2.5	Pass				
50	3.85	-17.985	-0.0255	-2.5 to 2.5	Pass				

	710	25	0	20	3.27	-26.749	-0.0377	-2.5 to 2.5	Pass	
					3.85	-2.972	-0.0042	-2.5 to 2.5	Pass	
					4.43	1.554	0.0022	-2.5 to 2.5	Pass	
				-30	3.85	24.406	0.0344	-2.5 to 2.5	Pass	
					-20	3.85	5.181	0.0073	-2.5 to 2.5	Pass
						-10	3.85	17.806	0.0251	-2.5 to 2.5
				0	3.85	23.422	0.0330	-2.5 to 2.5	Pass	
					10	3.85	3.213	0.0045	-2.5 to 2.5	Pass
					30	3.85	1.353	0.0019	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-3.825	-0.0054	-2.5 to 2.5	Pass	
					3.85	10.874	0.0152	-2.5 to 2.5	Pass	
					4.43	21.209	0.0297	-2.5 to 2.5	Pass	
				-30	3.85	11.209	0.0157	-2.5 to 2.5	Pass	
					-20	3.85	14.499	0.0203	-2.5 to 2.5	Pass
						-10	3.85	9.360	0.0131	-2.5 to 2.5
				0	3.85	16.574	0.0232	-2.5 to 2.5	Pass	
					10	3.85	14.487	0.0203	-2.5 to 2.5	Pass
					30	3.85	18.924	0.0265	-2.5 to 2.5	Pass
40	3.85	26.235	0.0368	-2.5 to 2.5	Pass					
	50	3.85	10.297	0.0144	-2.5 to 2.5	Pass				
		3.85	10.297	0.0144	-2.5 to 2.5	Pass				

3.2 B17_10MHz

3.2.1 Test Result

Band: 17 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	709	50	0	20	3.27	10.365	0.0146	-2.5 to 2.5	Pass	
					3.85	-19.191	-0.0271	-2.5 to 2.5	Pass	
					4.43	-27.569	-0.0389	-2.5 to 2.5	Pass	
				-30	3.85	-18.841	-0.0266	-2.5 to 2.5	Pass	
					-20	3.85	-16.695	-0.0235	-2.5 to 2.5	Pass
						-10	3.85	-8.876	-0.0125	-2.5 to 2.5
				0	3.85	-16.094	-0.0227	-2.5 to 2.5	Pass	
					10	3.85	-11.492	-0.0162	-2.5 to 2.5	Pass
					30	3.85	-5.071	-0.0072	-2.5 to 2.5	Pass
	710	50	0	20	3.27	17.605	0.0248	-2.5 to 2.5	Pass	
					3.85	-14.354	-0.0202	-2.5 to 2.5	Pass	
					4.43	-8.751	-0.0123	-2.5 to 2.5	Pass	
				-30	3.85	-24.548	-0.0346	-2.5 to 2.5	Pass	
					-20	3.85	-24.275	-0.0342	-2.5 to 2.5	Pass
						-10	3.85	-24.001	-0.0338	-2.5 to 2.5
				0	3.85	-25.229	-0.0355	-2.5 to 2.5	Pass	
					10	3.85	-14.291	-0.0201	-2.5 to 2.5	Pass
					30	3.85	-5.014	-0.0071	-2.5 to 2.5	Pass
	711	50	0	20	3.27	13.588	0.0191	-2.5 to 2.5	Pass	
					3.85	-22.266	-0.0313	-2.5 to 2.5	Pass	
					4.43	-24.784	-0.0349	-2.5 to 2.5	Pass	
				-30	3.85	-7.919	-0.0111	-2.5 to 2.5	Pass	
					-20	3.85	-10.086	-0.0142	-2.5 to 2.5	Pass
						3.85	-10.086	-0.0142	-2.5 to 2.5	Pass

				-10	3.85	-3.734	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-3.788	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-24.113	-0.0339	-2.5 to 2.5	Pass
				30	3.85	-7.869	-0.0111	-2.5 to 2.5	Pass
				40	3.85	-15.715	-0.0221	-2.5 to 2.5	Pass
				50	3.85	-26.331	-0.0370	-2.5 to 2.5	Pass
16QAM	709	27	0	20	3.27	-14.105	-0.0199	-2.5 to 2.5	Pass
					3.85	20.876	0.0294	-2.5 to 2.5	Pass
					4.43	23.908	0.0337	-2.5 to 2.5	Pass
				-30	3.85	7.058	0.0100	-2.5 to 2.5	Pass
				-20	3.85	6.742	0.0095	-2.5 to 2.5	Pass
				-10	3.85	17.265	0.0244	-2.5 to 2.5	Pass
				0	3.85	-0.527	-0.0007	-2.5 to 2.5	Pass
				10	3.85	8.902	0.0126	-2.5 to 2.5	Pass
				30	3.85	14.492	0.0204	-2.5 to 2.5	Pass
				40	3.85	19.313	0.0272	-2.5 to 2.5	Pass
	50	3.85	16.435	0.0232	-2.5 to 2.5	Pass			
	710	27	0	20	3.27	-24.719	-0.0348	-2.5 to 2.5	Pass
					3.85	24.146	0.0340	-2.5 to 2.5	Pass
					4.43	5.620	0.0079	-2.5 to 2.5	Pass
				-30	3.85	3.970	0.0056	-2.5 to 2.5	Pass
				-20	3.85	13.926	0.0196	-2.5 to 2.5	Pass
				-10	3.85	1.179	0.0017	-2.5 to 2.5	Pass
				0	3.85	20.579	0.0290	-2.5 to 2.5	Pass
				10	3.85	23.685	0.0334	-2.5 to 2.5	Pass
				30	3.85	15.883	0.0224	-2.5 to 2.5	Pass
				40	3.85	18.123	0.0255	-2.5 to 2.5	Pass
	50	3.85	21.473	0.0302	-2.5 to 2.5	Pass			
	711	27	23	20	3.27	-15.298	-0.0215	-2.5 to 2.5	Pass
					3.85	-12.471	-0.0175	-2.5 to 2.5	Pass
					4.43	-8.077	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	0.549	0.0008	-2.5 to 2.5	Pass
				-20	3.85	3.781	0.0053	-2.5 to 2.5	Pass
				-10	3.85	6.602	0.0093	-2.5 to 2.5	Pass
				0	3.85	7.273	0.0102	-2.5 to 2.5	Pass
				10	3.85	6.833	0.0096	-2.5 to 2.5	Pass
30				3.85	10.676	0.0150	-2.5 to 2.5	Pass	
40				3.85	12.834	0.0181	-2.5 to 2.5	Pass	
50	3.85	11.514	0.0162	-2.5 to 2.5	Pass				

4. Frequency Stability

4.1 B2_1.4MHz

4.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.27	-23.548	-0.0127	-2.5 to 2.5	Pass
					3.85	-14.803	-0.0080	-2.5 to 2.5	Pass
					4.43	3.973	0.0021	-2.5 to 2.5	Pass
				-30	3.85	21.079	0.0114	-2.5 to 2.5	Pass
				-20	3.85	20.005	0.0108	-2.5 to 2.5	Pass
				-10	3.85	18.276	0.0099	-2.5 to 2.5	Pass
				0	3.85	18.719	0.0101	-2.5 to 2.5	Pass

				10	3.85	19.545	0.0106	-2.5 to 2.5	Pass	
				30	3.85	10.658	0.0058	-2.5 to 2.5	Pass	
				40	3.85	20.363	0.0110	-2.5 to 2.5	Pass	
				50	3.85	11.534	0.0062	-2.5 to 2.5	Pass	
	1880	6	0	20	3.27	-1.731	-0.0009	-2.5 to 2.5	Pass	
					3.85	-3.448	-0.0018	-2.5 to 2.5	Pass	
					4.43	26.950	0.0143	-2.5 to 2.5	Pass	
				-30	3.85	20.823	0.0111	-2.5 to 2.5	Pass	
				-20	3.85	15.356	0.0082	-2.5 to 2.5	Pass	
				-10	3.85	24.853	0.0132	-2.5 to 2.5	Pass	
				0	3.85	11.004	0.0059	-2.5 to 2.5	Pass	
				10	3.85	19.225	0.0102	-2.5 to 2.5	Pass	
				30	3.85	18.540	0.0099	-2.5 to 2.5	Pass	
				40	3.85	12.746	0.0068	-2.5 to 2.5	Pass	
				50	3.85	18.707	0.0100	-2.5 to 2.5	Pass	
				1909.3	6	0	20	3.27	-18.606	-0.0097
	3.85	13.942	0.0073					-2.5 to 2.5	Pass	
	4.43	20.092	0.0105					-2.5 to 2.5	Pass	
	-30	3.85	23.883				0.0125	-2.5 to 2.5	Pass	
	-20	3.85	20.186				0.0106	-2.5 to 2.5	Pass	
	-10	3.85	22.567				0.0118	-2.5 to 2.5	Pass	
	0	3.85	22.989				0.0120	-2.5 to 2.5	Pass	
	10	3.85	21.287				0.0111	-2.5 to 2.5	Pass	
	30	3.85	20.744				0.0109	-2.5 to 2.5	Pass	
	40	3.85	18.636				0.0098	-2.5 to 2.5	Pass	
	50	3.85	22.621				0.0118	-2.5 to 2.5	Pass	
	16QAM	1850.7	6				0	20	3.27	26.125
				3.85	21.391	0.0116			-2.5 to 2.5	Pass
				4.43	27.095	0.0146			-2.5 to 2.5	Pass
				-30	3.85	21.667		0.0117	-2.5 to 2.5	Pass
-20				3.85	21.136	0.0114		-2.5 to 2.5	Pass	
-10				3.85	17.500	0.0095		-2.5 to 2.5	Pass	
0				3.85	26.350	0.0142		-2.5 to 2.5	Pass	
10				3.85	19.420	0.0105		-2.5 to 2.5	Pass	
30				3.85	19.002	0.0103		-2.5 to 2.5	Pass	
40				3.85	23.229	0.0126		-2.5 to 2.5	Pass	
50				3.85	18.495	0.0100		-2.5 to 2.5	Pass	
1880				6	0	20		3.27	9.636	0.0051
		3.85	26.495				0.0141	-2.5 to 2.5	Pass	
		4.43	24.627				0.0131	-2.5 to 2.5	Pass	
		-30	3.85			-25.201	-0.0134	-2.5 to 2.5	Pass	
		-20	3.85			-20.385	-0.0108	-2.5 to 2.5	Pass	
		-10	3.85			23.149	0.0123	-2.5 to 2.5	Pass	
		0	3.85			23.731	0.0126	-2.5 to 2.5	Pass	
		10	3.85			21.803	0.0116	-2.5 to 2.5	Pass	
		30	3.85			22.114	0.0118	-2.5 to 2.5	Pass	
		40	3.85			15.347	0.0082	-2.5 to 2.5	Pass	
		50	3.85			24.534	0.0131	-2.5 to 2.5	Pass	
		1909.3	6			0	20	3.27	20.210	0.0106
3.85				16.416	0.0086			-2.5 to 2.5	Pass	
4.43				14.335	0.0075			-2.5 to 2.5	Pass	
-30				3.85	17.134		0.0090	-2.5 to 2.5	Pass	
-20				3.85	17.433		0.0091	-2.5 to 2.5	Pass	
-10				3.85	15.372		0.0081	-2.5 to 2.5	Pass	
0				3.85	18.883		0.0099	-2.5 to 2.5	Pass	
10				3.85	14.678		0.0077	-2.5 to 2.5	Pass	
30	3.85			24.291	0.0127		-2.5 to 2.5	Pass		
40	3.85			23.217	0.0122		-2.5 to 2.5	Pass		
50	3.85			9.996	0.0052		-2.5 to 2.5	Pass		

4.2 B2_3MHz

4.2.1 Test Result

Band: 2 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.27	-22.275	-0.0120	-2.5 to 2.5	Pass
					3.85	15.378	0.0083	-2.5 to 2.5	Pass
					4.43	20.900	0.0113	-2.5 to 2.5	Pass
				-30	3.85	21.955	0.0119	-2.5 to 2.5	Pass
				-20	3.85	13.137	0.0071	-2.5 to 2.5	Pass
				-10	3.85	18.951	0.0102	-2.5 to 2.5	Pass
				0	3.85	14.308	0.0077	-2.5 to 2.5	Pass
				10	3.85	25.381	0.0137	-2.5 to 2.5	Pass
				30	3.85	15.025	0.0081	-2.5 to 2.5	Pass
				40	3.85	16.051	0.0087	-2.5 to 2.5	Pass
	50	3.85	15.549	0.0084	-2.5 to 2.5	Pass			
	1880	15	0	20	3.27	-24.688	-0.0131	-2.5 to 2.5	Pass
					3.85	2.291	0.0012	-2.5 to 2.5	Pass
					4.43	13.784	0.0073	-2.5 to 2.5	Pass
				-30	3.85	12.301	0.0065	-2.5 to 2.5	Pass
				-20	3.85	-9.129	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	20.064	0.0107	-2.5 to 2.5	Pass
				0	3.85	6.074	0.0032	-2.5 to 2.5	Pass
				10	3.85	-10.674	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-12.608	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-20.774	-0.0111	-2.5 to 2.5	Pass
	50	3.85	-16.409	-0.0087	-2.5 to 2.5	Pass			
	1908.5	15	0	20	3.27	-24.573	-0.0129	-2.5 to 2.5	Pass
					3.85	18.612	0.0098	-2.5 to 2.5	Pass
					4.43	17.185	0.0090	-2.5 to 2.5	Pass
				-30	3.85	21.629	0.0113	-2.5 to 2.5	Pass
				-20	3.85	14.553	0.0076	-2.5 to 2.5	Pass
				-10	3.85	14.209	0.0074	-2.5 to 2.5	Pass
				0	3.85	15.306	0.0080	-2.5 to 2.5	Pass
				10	3.85	15.399	0.0081	-2.5 to 2.5	Pass
30				3.85	23.489	0.0123	-2.5 to 2.5	Pass	
40				3.85	18.328	0.0096	-2.5 to 2.5	Pass	
50	3.85	15.186	0.0080	-2.5 to 2.5	Pass				
16QAM	1851.5	15	0	20	3.27	19.318	0.0104	-2.5 to 2.5	Pass
					3.85	6.910	0.0037	-2.5 to 2.5	Pass
					4.43	20.991	0.0113	-2.5 to 2.5	Pass
				-30	3.85	22.871	0.0124	-2.5 to 2.5	Pass
				-20	3.85	11.270	0.0061	-2.5 to 2.5	Pass
				-10	3.85	25.473	0.0138	-2.5 to 2.5	Pass
				0	3.85	17.489	0.0094	-2.5 to 2.5	Pass
				10	3.85	-18.624	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-12.360	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-13.563	-0.0073	-2.5 to 2.5	Pass
	50	3.85	-24.675	-0.0133	-2.5 to 2.5	Pass			
	1880	15	0	20	3.27	13.446	0.0072	-2.5 to 2.5	Pass
					3.85	-21.088	-0.0112	-2.5 to 2.5	Pass
					4.43	-19.453	-0.0103	-2.5 to 2.5	Pass
-30				3.85	-2.495	-0.0013	-2.5 to 2.5	Pass	
-20	3.85	8.207	0.0044	-2.5 to 2.5	Pass				

				-10	3.85	-3.769	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-27.085	-0.0144	-2.5 to 2.5	Pass
				10	3.85	-22.381	-0.0119	-2.5 to 2.5	Pass
				30	3.85	-23.435	-0.0125	-2.5 to 2.5	Pass
				40	3.85	-26.370	-0.0140	-2.5 to 2.5	Pass
	50	3.85	-26.143	-0.0139	-2.5 to 2.5	Pass			
	1908.5	15	0	20	3.27	20.715	0.0109	-2.5 to 2.5	Pass
					3.85	5.021	0.0026	-2.5 to 2.5	Pass
					4.43	9.721	0.0051	-2.5 to 2.5	Pass
				-30	3.85	26.269	0.0138	-2.5 to 2.5	Pass
				-20	3.85	21.989	0.0115	-2.5 to 2.5	Pass
				-10	3.85	19.058	0.0100	-2.5 to 2.5	Pass
				0	3.85	26.137	0.0137	-2.5 to 2.5	Pass
				10	3.85	17.946	0.0094	-2.5 to 2.5	Pass
				30	3.85	12.391	0.0065	-2.5 to 2.5	Pass
				40	3.85	25.237	0.0132	-2.5 to 2.5	Pass
				50	3.85	18.659	0.0098	-2.5 to 2.5	Pass

4.3 B2_5MHz

4.3.1 Test Result

Band: 2 / Bandwidth: 5MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	1852.5	25	0	20	3.27	-25.624	-0.0138	-2.5 to 2.5	Pass			
					3.85	15.808	0.0085	-2.5 to 2.5	Pass			
					4.43	25.303	0.0137	-2.5 to 2.5	Pass			
				-30	3.85	14.429	0.0078	-2.5 to 2.5	Pass			
				-20	3.85	15.245	0.0082	-2.5 to 2.5	Pass			
				-10	3.85	16.497	0.0089	-2.5 to 2.5	Pass			
				0	3.85	18.549	0.0100	-2.5 to 2.5	Pass			
				10	3.85	17.977	0.0097	-2.5 to 2.5	Pass			
				30	3.85	7.847	0.0042	-2.5 to 2.5	Pass			
				40	3.85	14.947	0.0081	-2.5 to 2.5	Pass			
				50	3.85	18.068	0.0098	-2.5 to 2.5	Pass			
				1880	25	0	20	3.27	-22.579	-0.0120	-2.5 to 2.5	Pass
								3.85	-12.300	-0.0065	-2.5 to 2.5	Pass
								4.43	-11.337	-0.0060	-2.5 to 2.5	Pass
	-30	3.85	18.205				0.0097	-2.5 to 2.5	Pass			
	-20	3.85	-21.512				-0.0114	-2.5 to 2.5	Pass			
	-10	3.85	-15.516				-0.0083	-2.5 to 2.5	Pass			
	0	3.85	-11.536				-0.0061	-2.5 to 2.5	Pass			
	10	3.85	-18.437				-0.0098	-2.5 to 2.5	Pass			
	30	3.85	1.681				0.0009	-2.5 to 2.5	Pass			
	40	3.85	16.851				0.0090	-2.5 to 2.5	Pass			
	50	3.85	20.697				0.0110	-2.5 to 2.5	Pass			
	1907.5	25	0				20	3.27	-23.684	-0.0124	-2.5 to 2.5	Pass
								3.85	23.591	0.0124	-2.5 to 2.5	Pass
				4.43	23.869	0.0125		-2.5 to 2.5	Pass			
				-30	3.85	16.147	0.0085	-2.5 to 2.5	Pass			
				-20	3.85	21.453	0.0112	-2.5 to 2.5	Pass			
-10				3.85	15.250	0.0080	-2.5 to 2.5	Pass				
0				3.85	11.617	0.0061	-2.5 to 2.5	Pass				
10				3.85	27.004	0.0142	-2.5 to 2.5	Pass				
30				3.85	25.360	0.0133	-2.5 to 2.5	Pass				
40				3.85	18.380	0.0096	-2.5 to 2.5	Pass				

16QAM	1852.5	25	0	50	3.85	18.954	0.0099	-2.5 to 2.5	Pass
				20	3.27	20.857	0.0113	-2.5 to 2.5	Pass
					3.85	-20.104	-0.0109	-2.5 to 2.5	Pass
				20	4.43	-13.339	-0.0072	-2.5 to 2.5	Pass
					-30	3.85	7.156	0.0039	-2.5 to 2.5
				-20	3.85	-26.294	-0.0142	-2.5 to 2.5	Pass
				-10	3.85	4.824	0.0026	-2.5 to 2.5	Pass
				0	3.85	-3.962	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-9.269	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-26.083	-0.0141	-2.5 to 2.5	Pass
	40	3.85	-24.445	-0.0132	-2.5 to 2.5	Pass			
	50	3.85	9.825	0.0053	-2.5 to 2.5	Pass			
	1880	25	0	20	3.27	-19.510	-0.0104	-2.5 to 2.5	Pass
					3.85	-25.267	-0.0134	-2.5 to 2.5	Pass
				20	4.43	-20.858	-0.0111	-2.5 to 2.5	Pass
					-30	3.85	-13.446	-0.0072	-2.5 to 2.5
				-20	3.85	-24.838	-0.0132	-2.5 to 2.5	Pass
				-10	3.85	-15.386	-0.0082	-2.5 to 2.5	Pass
				0	3.85	20.326	0.0108	-2.5 to 2.5	Pass
				10	3.85	10.066	0.0054	-2.5 to 2.5	Pass
				30	3.85	-8.707	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-23.660	-0.0126	-2.5 to 2.5	Pass
	50	3.85	-15.036	-0.0080	-2.5 to 2.5	Pass			
	1907.5	25	0	20	3.27	26.464	0.0139	-2.5 to 2.5	Pass
					3.85	-13.757	-0.0072	-2.5 to 2.5	Pass
				20	4.43	10.130	0.0053	-2.5 to 2.5	Pass
					-30	3.85	26.857	0.0141	-2.5 to 2.5
				-20	3.85	2.691	0.0014	-2.5 to 2.5	Pass
				-10	3.85	10.644	0.0056	-2.5 to 2.5	Pass
				0	3.85	16.145	0.0085	-2.5 to 2.5	Pass
10				3.85	20.061	0.0105	-2.5 to 2.5	Pass	
30				3.85	22.281	0.0117	-2.5 to 2.5	Pass	
40				3.85	8.140	0.0043	-2.5 to 2.5	Pass	
50	3.85	27.046	0.0142	-2.5 to 2.5	Pass				

4.4 B2_10MHz

4.4.1 Test Result

Band: 2 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.27	-23.381	-0.0126	-2.5 to 2.5	Pass
					3.85	17.769	0.0096	-2.5 to 2.5	Pass
					4.43	16.908	0.0091	-2.5 to 2.5	Pass
				-30	3.85	26.557	0.0143	-2.5 to 2.5	Pass
				-20	3.85	23.877	0.0129	-2.5 to 2.5	Pass
				-10	3.85	16.146	0.0087	-2.5 to 2.5	Pass
				0	3.85	3.642	0.0020	-2.5 to 2.5	Pass
				10	3.85	20.069	0.0108	-2.5 to 2.5	Pass
				30	3.85	22.655	0.0122	-2.5 to 2.5	Pass
				40	3.85	13.561	0.0073	-2.5 to 2.5	Pass
	50	3.85	11.336	0.0061	-2.5 to 2.5	Pass			
	1880	50	0	20	3.27	-23.362	-0.0124	-2.5 to 2.5	Pass
					3.85	-16.960	-0.0090	-2.5 to 2.5	Pass
					4.43	-15.567	-0.0083	-2.5 to 2.5	Pass
-30				3.85	-23.244	-0.0124	-2.5 to 2.5	Pass	

				-20	3.85	-14.177	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	9.338	0.0050	-2.5 to 2.5	Pass
				0	3.85	-23.975	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-8.939	-0.0048	-2.5 to 2.5	Pass
				30	3.85	12.815	0.0068	-2.5 to 2.5	Pass
				40	3.85	24.784	0.0132	-2.5 to 2.5	Pass
	50	3.85	10.311	0.0055	-2.5 to 2.5	Pass			
	1905	50	0	20	3.27	-15.963	-0.0084	-2.5 to 2.5	Pass
					3.85	24.850	0.0130	-2.5 to 2.5	Pass
					4.43	11.638	0.0061	-2.5 to 2.5	Pass
				-30	3.85	17.917	0.0094	-2.5 to 2.5	Pass
				-20	3.85	15.662	0.0082	-2.5 to 2.5	Pass
				-10	3.85	18.278	0.0096	-2.5 to 2.5	Pass
		0	3.85	19.659	0.0103	-2.5 to 2.5	Pass		
		10	3.85	20.915	0.0110	-2.5 to 2.5	Pass		
		30	3.85	19.592	0.0103	-2.5 to 2.5	Pass		
		40	3.85	19.299	0.0101	-2.5 to 2.5	Pass		
		50	3.85	14.069	0.0074	-2.5 to 2.5	Pass		
16QAM		1855	27	0	20	3.27	23.464	0.0126	-2.5 to 2.5
	3.85					-16.022	-0.0086	-2.5 to 2.5	Pass
	4.43					-18.462	-0.0100	-2.5 to 2.5	Pass
	-30				3.85	-23.419	-0.0126	-2.5 to 2.5	Pass
	-20				3.85	-21.698	-0.0117	-2.5 to 2.5	Pass
	-10				3.85	-10.993	-0.0059	-2.5 to 2.5	Pass
	0		3.85	-26.978	-0.0145	-2.5 to 2.5	Pass		
	10		3.85	-2.937	-0.0016	-2.5 to 2.5	Pass		
	30		3.85	-19.893	-0.0107	-2.5 to 2.5	Pass		
	40		3.85	-26.221	-0.0141	-2.5 to 2.5	Pass		
	50		3.85	-14.287	-0.0077	-2.5 to 2.5	Pass		
	1880		27	0	20	3.27	-0.717	-0.0004	-2.5 to 2.5
		3.85				-18.531	-0.0099	-2.5 to 2.5	Pass
		4.43				-26.067	-0.0139	-2.5 to 2.5	Pass
		-30			3.85	-25.382	-0.0135	-2.5 to 2.5	Pass
		-20			3.85	-19.996	-0.0106	-2.5 to 2.5	Pass
		-10			3.85	-21.882	-0.0116	-2.5 to 2.5	Pass
		0	3.85	-25.624	-0.0136	-2.5 to 2.5	Pass		
		10	3.85	-23.432	-0.0125	-2.5 to 2.5	Pass		
		30	3.85	-24.471	-0.0130	-2.5 to 2.5	Pass		
		40	3.85	-12.069	-0.0064	-2.5 to 2.5	Pass		
		50	3.85	-17.043	-0.0091	-2.5 to 2.5	Pass		
		1905	27	23	20	3.27	20.853	0.0109	-2.5 to 2.5
	3.85					11.879	0.0062	-2.5 to 2.5	Pass
	4.43					8.357	0.0044	-2.5 to 2.5	Pass
	-30				3.85	-5.805	-0.0030	-2.5 to 2.5	Pass
	-20				3.85	23.909	0.0126	-2.5 to 2.5	Pass
	-10				3.85	25.251	0.0133	-2.5 to 2.5	Pass
	0		3.85	21.946	0.0115	-2.5 to 2.5	Pass		
	10		3.85	-10.408	-0.0055	-2.5 to 2.5	Pass		
	30		3.85	-8.436	-0.0044	-2.5 to 2.5	Pass		
	40		3.85	-22.795	-0.0120	-2.5 to 2.5	Pass		
	50		3.85	7.645	0.0040	-2.5 to 2.5	Pass		

4.5 B2_15MHz

4.5.1 Test Result

Band: 2 / Bandwidth: 15MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.27	-24.181	-0.0130	-2.5 to 2.5	Pass
					3.85	18.940	0.0102	-2.5 to 2.5	Pass
					4.43	21.703	0.0117	-2.5 to 2.5	Pass
				-30	3.85	25.615	0.0138	-2.5 to 2.5	Pass
				-20	3.85	24.102	0.0130	-2.5 to 2.5	Pass
				-10	3.85	22.354	0.0120	-2.5 to 2.5	Pass
				0	3.85	17.035	0.0092	-2.5 to 2.5	Pass
				10	3.85	25.166	0.0135	-2.5 to 2.5	Pass
				30	3.85	20.397	0.0110	-2.5 to 2.5	Pass
				40	3.85	19.929	0.0107	-2.5 to 2.5	Pass
	50	3.85	25.334	0.0136	-2.5 to 2.5	Pass			
	1880	75	0	20	3.27	-19.777	-0.0105	-2.5 to 2.5	Pass
					3.85	12.551	0.0067	-2.5 to 2.5	Pass
					4.43	18.850	0.0100	-2.5 to 2.5	Pass
				-30	3.85	26.587	0.0141	-2.5 to 2.5	Pass
				-20	3.85	23.924	0.0127	-2.5 to 2.5	Pass
				-10	3.85	18.118	0.0096	-2.5 to 2.5	Pass
				0	3.85	26.691	0.0142	-2.5 to 2.5	Pass
				10	3.85	24.786	0.0132	-2.5 to 2.5	Pass
				30	3.85	17.646	0.0094	-2.5 to 2.5	Pass
				40	3.85	16.148	0.0086	-2.5 to 2.5	Pass
	50	3.85	24.215	0.0129	-2.5 to 2.5	Pass			
	1902.5	75	0	20	3.27	-24.091	-0.0127	-2.5 to 2.5	Pass
					3.85	-21.846	-0.0115	-2.5 to 2.5	Pass
					4.43	-20.952	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-25.383	-0.0133	-2.5 to 2.5	Pass
				-20	3.85	-10.276	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-17.234	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-19.303	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-21.369	-0.0112	-2.5 to 2.5	Pass
30				3.85	-5.528	-0.0029	-2.5 to 2.5	Pass	
40				3.85	5.957	0.0031	-2.5 to 2.5	Pass	
50	3.85	20.323	0.0107	-2.5 to 2.5	Pass				
16QAM	1857.5	27	0	20	3.27	16.870	0.0091	-2.5 to 2.5	Pass
					3.85	19.536	0.0105	-2.5 to 2.5	Pass
					4.43	12.185	0.0066	-2.5 to 2.5	Pass
				-30	3.85	23.426	0.0126	-2.5 to 2.5	Pass
				-20	3.85	25.639	0.0138	-2.5 to 2.5	Pass
				-10	3.85	21.564	0.0116	-2.5 to 2.5	Pass
				0	3.85	13.218	0.0071	-2.5 to 2.5	Pass
				10	3.85	26.352	0.0142	-2.5 to 2.5	Pass
				30	3.85	25.690	0.0138	-2.5 to 2.5	Pass
				40	3.85	21.336	0.0115	-2.5 to 2.5	Pass
	50	3.85	25.066	0.0135	-2.5 to 2.5	Pass			
	1880	27	0	20	3.27	23.353	0.0124	-2.5 to 2.5	Pass
					3.85	23.211	0.0123	-2.5 to 2.5	Pass
					4.43	24.775	0.0132	-2.5 to 2.5	Pass
				-30	3.85	23.788	0.0127	-2.5 to 2.5	Pass
				-20	3.85	25.169	0.0134	-2.5 to 2.5	Pass
				-10	3.85	23.564	0.0125	-2.5 to 2.5	Pass
				0	3.85	25.927	0.0138	-2.5 to 2.5	Pass
				10	3.85	23.266	0.0124	-2.5 to 2.5	Pass
				30	3.85	16.264	0.0087	-2.5 to 2.5	Pass
40				3.85	24.263	0.0129	-2.5 to 2.5	Pass	
50	3.85	22.489	0.0120	-2.5 to 2.5	Pass				
1902.5	27	48	20	3.27	18.879	0.0099	-2.5 to 2.5	Pass	
				3.85	24.131	0.0127	-2.5 to 2.5	Pass	

					4.43	14.263	0.0075	-2.5 to 2.5	Pass
				-30	3.85	20.675	0.0109	-2.5 to 2.5	Pass
				-20	3.85	18.189	0.0096	-2.5 to 2.5	Pass
				-10	3.85	18.788	0.0099	-2.5 to 2.5	Pass
				0	3.85	8.230	0.0043	-2.5 to 2.5	Pass
				10	3.85	10.954	0.0058	-2.5 to 2.5	Pass
				30	3.85	25.425	0.0134	-2.5 to 2.5	Pass
				40	3.85	11.444	0.0060	-2.5 to 2.5	Pass
				50	3.85	26.290	0.0138	-2.5 to 2.5	Pass

4.6 B2_20MHz

4.6.1 Test Result

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	-25.049	-0.0135	-2.5 to 2.5	Pass
					3.85	-24.636	-0.0132	-2.5 to 2.5	Pass
					4.43	-20.821	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-22.192	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-18.542	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-15.592	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-22.673	-0.0122	-2.5 to 2.5	Pass
				10	3.85	-12.437	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-12.197	-0.0066	-2.5 to 2.5	Pass
	40	3.85	-13.151	-0.0071	-2.5 to 2.5	Pass			
	50	3.85	-13.510	-0.0073	-2.5 to 2.5	Pass			
	1880	100	0	20	3.27	-21.162	-0.0113	-2.5 to 2.5	Pass
					3.85	-25.629	-0.0136	-2.5 to 2.5	Pass
					4.43	-23.194	-0.0123	-2.5 to 2.5	Pass
				-30	3.85	-18.100	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-25.520	-0.0136	-2.5 to 2.5	Pass
				-10	3.85	-20.056	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-25.787	-0.0137	-2.5 to 2.5	Pass
				10	3.85	-9.867	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-22.357	-0.0119	-2.5 to 2.5	Pass
	40	3.85	-18.971	-0.0101	-2.5 to 2.5	Pass			
	50	3.85	-0.210	-0.0001	-2.5 to 2.5	Pass			
	1900	100	0	20	3.27	-22.546	-0.0119	-2.5 to 2.5	Pass
					3.85	-22.279	-0.0117	-2.5 to 2.5	Pass
					4.43	-25.522	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	-22.342	-0.0118	-2.5 to 2.5	Pass
				-20	3.85	-21.310	-0.0112	-2.5 to 2.5	Pass
-10				3.85	-17.879	-0.0094	-2.5 to 2.5	Pass	
0				3.85	-18.761	-0.0099	-2.5 to 2.5	Pass	
10				3.85	-12.419	-0.0065	-2.5 to 2.5	Pass	
30				3.85	-24.585	-0.0129	-2.5 to 2.5	Pass	
40	3.85	-22.315	-0.0117	-2.5 to 2.5	Pass				
50	3.85	-9.600	-0.0051	-2.5 to 2.5	Pass				
16QAM	1860	27	0	20	3.27	-8.971	-0.0048	-2.5 to 2.5	Pass
					3.85	13.662	0.0073	-2.5 to 2.5	Pass
					4.43	16.443	0.0088	-2.5 to 2.5	Pass
				-30	3.85	17.446	0.0094	-2.5 to 2.5	Pass
				-20	3.85	23.376	0.0126	-2.5 to 2.5	Pass
				-10	3.85	18.452	0.0099	-2.5 to 2.5	Pass
0	3.85	24.071	0.0129	-2.5 to 2.5	Pass				

				10	3.85	10.496	0.0056	-2.5 to 2.5	Pass
				30	3.85	22.446	0.0121	-2.5 to 2.5	Pass
				40	3.85	13.472	0.0072	-2.5 to 2.5	Pass
				50	3.85	20.324	0.0109	-2.5 to 2.5	Pass
	1880	27	0	20	3.27	8.310	0.0044	-2.5 to 2.5	Pass
					3.85	22.782	0.0121	-2.5 to 2.5	Pass
					4.43	17.817	0.0095	-2.5 to 2.5	Pass
				-30	3.85	28.044	0.0149	-2.5 to 2.5	Pass
				-20	3.85	4.046	0.0022	-2.5 to 2.5	Pass
				-10	3.85	25.714	0.0137	-2.5 to 2.5	Pass
				0	3.85	19.650	0.0105	-2.5 to 2.5	Pass
				10	3.85	17.773	0.0095	-2.5 to 2.5	Pass
				30	3.85	16.909	0.0090	-2.5 to 2.5	Pass
				40	3.85	23.389	0.0124	-2.5 to 2.5	Pass
				50	3.85	15.575	0.0083	-2.5 to 2.5	Pass
				1900	27	73	20	3.27	-10.607
	3.85	12.784	0.0067					-2.5 to 2.5	Pass
	4.43	9.244	0.0049					-2.5 to 2.5	Pass
	-30	3.85	11.230				0.0059	-2.5 to 2.5	Pass
	-20	3.85	20.493				0.0108	-2.5 to 2.5	Pass
-10	3.85	14.776	0.0078				-2.5 to 2.5	Pass	
0	3.85	10.985	0.0058				-2.5 to 2.5	Pass	
10	3.85	10.517	0.0055				-2.5 to 2.5	Pass	
30	3.85	19.900	0.0105				-2.5 to 2.5	Pass	
40	3.85	18.204	0.0096				-2.5 to 2.5	Pass	
50	3.85	18.040	0.0095				-2.5 to 2.5	Pass	

5. Frequency Stability

5.1 B25_1.4MHz

5.1.1 Test Result

Band: 25 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.27	18.669	0.0101	-2.5 to 2.5	Pass
					3.85	-16.567	-0.0090	-2.5 to 2.5	Pass
					4.43	-25.058	-0.0135	-2.5 to 2.5	Pass
				-30	3.85	-22.845	-0.0123	-2.5 to 2.5	Pass
				-20	3.85	-23.597	-0.0128	-2.5 to 2.5	Pass
				-10	3.85	-19.948	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-15.409	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-18.679	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-25.893	-0.0140	-2.5 to 2.5	Pass
				40	3.85	-17.801	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-25.481	-0.0138	-2.5 to 2.5	Pass
				1882.5	6	0	20	3.27	21.957
	3.85	-13.904	-0.0074					-2.5 to 2.5	Pass
	4.43	-22.452	-0.0119					-2.5 to 2.5	Pass
	-30	3.85	-26.648				-0.0142	-2.5 to 2.5	Pass
	-20	3.85	-24.422				-0.0130	-2.5 to 2.5	Pass
	-10	3.85	-9.998				-0.0053	-2.5 to 2.5	Pass
					0	3.85	-20.647	-0.0110	-2.5 to 2.5
				10	3.85	-15.477	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-20.773	-0.0110	-2.5 to 2.5	Pass

	1914.3	6	0	40	3.85	-10.903	-0.0058	-2.5 to 2.5	Pass			
				50	3.85	-14.869	-0.0079	-2.5 to 2.5	Pass			
				20	3.27	15.191	0.0079	-2.5 to 2.5	Pass			
					3.85	-20.187	-0.0105	-2.5 to 2.5	Pass			
					4.43	-17.582	-0.0092	-2.5 to 2.5	Pass			
				-30	3.85	-17.711	-0.0093	-2.5 to 2.5	Pass			
				-20	3.85	-23.516	-0.0123	-2.5 to 2.5	Pass			
				-10	3.85	-13.126	-0.0069	-2.5 to 2.5	Pass			
				0	3.85	-14.736	-0.0077	-2.5 to 2.5	Pass			
				10	3.85	-21.790	-0.0114	-2.5 to 2.5	Pass			
				30	3.85	-17.334	-0.0091	-2.5 to 2.5	Pass			
				40	3.85	-19.394	-0.0101	-2.5 to 2.5	Pass			
				50	3.85	-11.460	-0.0060	-2.5 to 2.5	Pass			
				16QAM	1850.7	6	0	20	3.27	-15.221	-0.0082	-2.5 to 2.5
3.85	18.206	0.0098	-2.5 to 2.5						Pass			
4.43	22.597	0.0122	-2.5 to 2.5						Pass			
-30	3.85	9.564	0.0052					-2.5 to 2.5	Pass			
-20	3.85	23.636	0.0128					-2.5 to 2.5	Pass			
-10	3.85	7.515	0.0041					-2.5 to 2.5	Pass			
0	3.85	9.373	0.0051					-2.5 to 2.5	Pass			
10	3.85	13.302	0.0072					-2.5 to 2.5	Pass			
30	3.85	20.949	0.0113					-2.5 to 2.5	Pass			
40	3.85	18.290	0.0099					-2.5 to 2.5	Pass			
50	3.85	11.359	0.0061					-2.5 to 2.5	Pass			
1882.5	6	0	20					3.27	-14.054	-0.0075	-2.5 to 2.5	Pass
								3.85	20.968	0.0111	-2.5 to 2.5	Pass
								4.43	18.996	0.0101	-2.5 to 2.5	Pass
			-30		3.85	22.860	0.0121	-2.5 to 2.5	Pass			
			-20		3.85	14.154	0.0075	-2.5 to 2.5	Pass			
			-10		3.85	17.540	0.0093	-2.5 to 2.5	Pass			
			0		3.85	11.385	0.0060	-2.5 to 2.5	Pass			
			10		3.85	16.956	0.0090	-2.5 to 2.5	Pass			
			30		3.85	17.052	0.0091	-2.5 to 2.5	Pass			
			40		3.85	14.745	0.0078	-2.5 to 2.5	Pass			
			50		3.85	12.543	0.0067	-2.5 to 2.5	Pass			
			1914.3		6	0	20	3.27	-19.815	-0.0104	-2.5 to 2.5	Pass
								3.85	-6.867	-0.0036	-2.5 to 2.5	Pass
								4.43	7.004	0.0037	-2.5 to 2.5	Pass
-30	3.85	7.019					0.0037	-2.5 to 2.5	Pass			
-20	3.85	13.373					0.0070	-2.5 to 2.5	Pass			
-10	3.85	21.170					0.0111	-2.5 to 2.5	Pass			
0	3.85	7.857		0.0041			-2.5 to 2.5	Pass				
10	3.85	-5.260		-0.0027			-2.5 to 2.5	Pass				
30	3.85	-12.524		-0.0065			-2.5 to 2.5	Pass				
40	3.85	0.606		0.0003			-2.5 to 2.5	Pass				
50	3.85	1.286		0.0007			-2.5 to 2.5	Pass				

5.2 B25_3MHz

5.2.1 Test Result

Band: 25 / Bandwidth: 3MHz											
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict		
		Size	Offset				Result	Limit			
QPSK	1851.5	15	0	20			3.27	14.457	0.0078	-2.5 to 2.5	Pass
							3.85	14.680	0.0079	-2.5 to 2.5	Pass
							4.43	14.308	0.0077	-2.5 to 2.5	Pass

				-30	3.85	15.772	0.0085	-2.5 to 2.5	Pass
				-20	3.85	19.385	0.0105	-2.5 to 2.5	Pass
				-10	3.85	20.304	0.0110	-2.5 to 2.5	Pass
				0	3.85	10.516	0.0057	-2.5 to 2.5	Pass
				10	3.85	8.572	0.0046	-2.5 to 2.5	Pass
				30	3.85	8.676	0.0047	-2.5 to 2.5	Pass
				40	3.85	10.482	0.0057	-2.5 to 2.5	Pass
	50	3.85	14.473	0.0078	-2.5 to 2.5	Pass			
	1882.5	15	0	20	3.27	22.339	0.0119	-2.5 to 2.5	Pass
					3.85	-14.229	-0.0076	-2.5 to 2.5	Pass
					4.43	-11.966	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-20.242	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-26.639	-0.0142	-2.5 to 2.5	Pass
				-10	3.85	-14.670	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-22.468	-0.0119	-2.5 to 2.5	Pass
				10	3.85	-18.061	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-6.971	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-6.596	-0.0035	-2.5 to 2.5	Pass
	50	3.85	1.309	0.0007	-2.5 to 2.5	Pass			
	1913.5	15	0	20	3.27	0.071	0.0000	-2.5 to 2.5	Pass
					3.85	-21.819	-0.0114	-2.5 to 2.5	Pass
					4.43	-20.541	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-13.001	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-19.182	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-16.291	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-15.422	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-17.330	-0.0091	-2.5 to 2.5	Pass
30				3.85	-23.105	-0.0121	-2.5 to 2.5	Pass	
40				3.85	-13.553	-0.0071	-2.5 to 2.5	Pass	
50	3.85	-20.062	-0.0105	-2.5 to 2.5	Pass				
16QAM	1851.5	15	0	20	3.27	15.544	0.0084	-2.5 to 2.5	Pass
					3.85	20.643	0.0111	-2.5 to 2.5	Pass
					4.43	26.192	0.0141	-2.5 to 2.5	Pass
				-30	3.85	14.806	0.0080	-2.5 to 2.5	Pass
				-20	3.85	18.253	0.0099	-2.5 to 2.5	Pass
				-10	3.85	18.281	0.0099	-2.5 to 2.5	Pass
				0	3.85	17.109	0.0092	-2.5 to 2.5	Pass
				10	3.85	19.724	0.0107	-2.5 to 2.5	Pass
				30	3.85	26.160	0.0141	-2.5 to 2.5	Pass
				40	3.85	8.894	0.0048	-2.5 to 2.5	Pass
	50	3.85	10.534	0.0057	-2.5 to 2.5	Pass			
	1882.5	15	0	20	3.27	-2.287	-0.0012	-2.5 to 2.5	Pass
					3.85	24.453	0.0130	-2.5 to 2.5	Pass
					4.43	21.812	0.0116	-2.5 to 2.5	Pass
				-30	3.85	17.036	0.0090	-2.5 to 2.5	Pass
				-20	3.85	13.066	0.0069	-2.5 to 2.5	Pass
				-10	3.85	15.184	0.0081	-2.5 to 2.5	Pass
				0	3.85	15.469	0.0082	-2.5 to 2.5	Pass
				10	3.85	22.084	0.0117	-2.5 to 2.5	Pass
				30	3.85	7.098	0.0038	-2.5 to 2.5	Pass
				40	3.85	17.793	0.0095	-2.5 to 2.5	Pass
	50	3.85	24.944	0.0133	-2.5 to 2.5	Pass			
	1913.5	15	0	20	3.27	-21.163	-0.0111	-2.5 to 2.5	Pass
					3.85	15.871	0.0083	-2.5 to 2.5	Pass
					4.43	13.032	0.0068	-2.5 to 2.5	Pass
				-30	3.85	9.180	0.0048	-2.5 to 2.5	Pass
				-20	3.85	10.741	0.0056	-2.5 to 2.5	Pass
-10				3.85	17.278	0.0090	-2.5 to 2.5	Pass	
0				3.85	20.928	0.0109	-2.5 to 2.5	Pass	

				10	3.85	24.648	0.0129	-2.5 to 2.5	Pass
				30	3.85	24.210	0.0127	-2.5 to 2.5	Pass
				40	3.85	25.106	0.0131	-2.5 to 2.5	Pass
				50	3.85	16.357	0.0085	-2.5 to 2.5	Pass

5.3 B25_5MHz

5.3.1 Test Result

Band: 25 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.27	11.263	0.0061	-2.5 to 2.5	Pass
					3.85	-0.911	-0.0005	-2.5 to 2.5	Pass
					4.43	-6.963	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	2.965	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-2.044	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	11.418	0.0062	-2.5 to 2.5	Pass
				0	3.85	11.655	0.0063	-2.5 to 2.5	Pass
				10	3.85	7.974	0.0043	-2.5 to 2.5	Pass
				30	3.85	5.561	0.0030	-2.5 to 2.5	Pass
				40	3.85	15.626	0.0084	-2.5 to 2.5	Pass
	50	3.85	11.918	0.0064	-2.5 to 2.5	Pass			
	1882.5	25	0	20	3.27	19.690	0.0105	-2.5 to 2.5	Pass
					3.85	-25.312	-0.0134	-2.5 to 2.5	Pass
					4.43	-24.768	-0.0132	-2.5 to 2.5	Pass
				-30	3.85	-19.450	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-7.637	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-17.167	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-18.476	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-8.724	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-15.885	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-2.414	-0.0013	-2.5 to 2.5	Pass
	50	3.85	-15.545	-0.0083	-2.5 to 2.5	Pass			
	1912.5	25	0	20	3.27	5.726	0.0030	-2.5 to 2.5	Pass
					3.85	-19.399	-0.0101	-2.5 to 2.5	Pass
					4.43	-22.132	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-17.378	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-16.495	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-26.426	-0.0138	-2.5 to 2.5	Pass
				0	3.85	-20.199	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-23.183	-0.0121	-2.5 to 2.5	Pass
30				3.85	-22.451	-0.0117	-2.5 to 2.5	Pass	
40				3.85	-22.278	-0.0116	-2.5 to 2.5	Pass	
50	3.85	-13.382	-0.0070	-2.5 to 2.5	Pass				
16QAM	1852.5	25	0	20	3.27	21.105	0.0114	-2.5 to 2.5	Pass
					3.85	19.303	0.0104	-2.5 to 2.5	Pass
					4.43	10.560	0.0057	-2.5 to 2.5	Pass
				-30	3.85	21.871	0.0118	-2.5 to 2.5	Pass
				-20	3.85	11.860	0.0064	-2.5 to 2.5	Pass
				-10	3.85	13.621	0.0074	-2.5 to 2.5	Pass
				0	3.85	14.691	0.0079	-2.5 to 2.5	Pass
				10	3.85	24.225	0.0131	-2.5 to 2.5	Pass
				30	3.85	20.375	0.0110	-2.5 to 2.5	Pass
				40	3.85	14.860	0.0080	-2.5 to 2.5	Pass
	50	3.85	23.574	0.0127	-2.5 to 2.5	Pass			
	1882.5	25	0	20	3.27	-26.248	-0.0139	-2.5 to 2.5	Pass

					3.85	18.973	0.0101	-2.5 to 2.5	Pass	
					4.43	19.721	0.0105	-2.5 to 2.5	Pass	
				-30	3.85	25.858	0.0137	-2.5 to 2.5	Pass	
				-20	3.85	24.095	0.0128	-2.5 to 2.5	Pass	
				-10	3.85	11.381	0.0060	-2.5 to 2.5	Pass	
				0	3.85	14.017	0.0074	-2.5 to 2.5	Pass	
				10	3.85	24.236	0.0129	-2.5 to 2.5	Pass	
				30	3.85	22.915	0.0122	-2.5 to 2.5	Pass	
				40	3.85	26.239	0.0139	-2.5 to 2.5	Pass	
	50	3.85	24.062	0.0128	-2.5 to 2.5	Pass				
	1912.5	25	0	20		3.27	-15.100	-0.0079	-2.5 to 2.5	Pass
						3.85	22.318	0.0117	-2.5 to 2.5	Pass
						4.43	15.392	0.0080	-2.5 to 2.5	Pass
				-30	3.85	14.005	0.0073	-2.5 to 2.5	Pass	
				-20	3.85	10.600	0.0055	-2.5 to 2.5	Pass	
				-10	3.85	9.858	0.0052	-2.5 to 2.5	Pass	
				0	3.85	20.382	0.0107	-2.5 to 2.5	Pass	
				10	3.85	27.280	0.0143	-2.5 to 2.5	Pass	
30				3.85	19.620	0.0103	-2.5 to 2.5	Pass		
40	3.85	6.562	0.0034	-2.5 to 2.5	Pass					
50	3.85	19.700	0.0103	-2.5 to 2.5	Pass					

5.4 B25_10MHz

5.4.1 Test Result

Band: 25 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1855	50	0	20		3.27	-19.995	-0.0108	-2.5 to 2.5	Pass
						3.85	-21.791	-0.0117	-2.5 to 2.5	Pass
						4.43	-21.285	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-19.234	-0.0104	-2.5 to 2.5	Pass	
				-20	3.85	-19.013	-0.0102	-2.5 to 2.5	Pass	
				-10	3.85	-21.009	-0.0113	-2.5 to 2.5	Pass	
				0	3.85	-23.438	-0.0126	-2.5 to 2.5	Pass	
				10	3.85	-17.589	-0.0095	-2.5 to 2.5	Pass	
				30	3.85	-23.841	-0.0129	-2.5 to 2.5	Pass	
	40	3.85	-13.875	-0.0075	-2.5 to 2.5	Pass				
	50	3.85	-24.145	-0.0130	-2.5 to 2.5	Pass				
	1882.5	50	0	20		3.27	24.453	0.0130	-2.5 to 2.5	Pass
						3.85	-24.053	-0.0128	-2.5 to 2.5	Pass
						4.43	-2.754	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-16.238	-0.0086	-2.5 to 2.5	Pass	
				-20	3.85	-13.500	-0.0072	-2.5 to 2.5	Pass	
				-10	3.85	-16.534	-0.0088	-2.5 to 2.5	Pass	
				0	3.85	-10.949	-0.0058	-2.5 to 2.5	Pass	
				10	3.85	-25.131	-0.0133	-2.5 to 2.5	Pass	
				30	3.85	-9.432	-0.0050	-2.5 to 2.5	Pass	
	40	3.85	8.238	0.0044	-2.5 to 2.5	Pass				
	50	3.85	14.842	0.0079	-2.5 to 2.5	Pass				
	1910	50	0	20		3.27	3.973	0.0021	-2.5 to 2.5	Pass
						3.85	-18.692	-0.0098	-2.5 to 2.5	Pass
						4.43	-21.591	-0.0113	-2.5 to 2.5	Pass
				-30	3.85	-20.660	-0.0108	-2.5 to 2.5	Pass	
				-20	3.85	-8.034	-0.0042	-2.5 to 2.5	Pass	
-10	3.85	-25.556	-0.0134	-2.5 to 2.5	Pass					

				0	3.85	-18.581	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-18.997	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-19.317	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-17.722	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-9.935	-0.0052	-2.5 to 2.5	Pass
16QAM	1855	27	0	20	3.27	-18.890	-0.0102	-2.5 to 2.5	Pass
					3.85	-5.732	-0.0031	-2.5 to 2.5	Pass
					4.43	-2.601	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-18.295	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-13.568	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-4.137	-0.0022	-2.5 to 2.5	Pass
				0	3.85	10.270	0.0055	-2.5 to 2.5	Pass
				10	3.85	8.896	0.0048	-2.5 to 2.5	Pass
				30	3.85	14.476	0.0078	-2.5 to 2.5	Pass
				40	3.85	18.128	0.0098	-2.5 to 2.5	Pass
	50	3.85	12.064	0.0065	-2.5 to 2.5	Pass			
	1882.5	27	0	20	3.27	12.403	0.0066	-2.5 to 2.5	Pass
					3.85	13.408	0.0071	-2.5 to 2.5	Pass
					4.43	23.020	0.0122	-2.5 to 2.5	Pass
				-30	3.85	25.978	0.0138	-2.5 to 2.5	Pass
				-20	3.85	15.453	0.0082	-2.5 to 2.5	Pass
				-10	3.85	12.249	0.0065	-2.5 to 2.5	Pass
				0	3.85	22.400	0.0119	-2.5 to 2.5	Pass
				10	3.85	24.571	0.0131	-2.5 to 2.5	Pass
				30	3.85	19.133	0.0102	-2.5 to 2.5	Pass
				40	3.85	26.971	0.0143	-2.5 to 2.5	Pass
	50	3.85	22.356	0.0119	-2.5 to 2.5	Pass			
	1910	27	23	20	3.27	-23.103	-0.0121	-2.5 to 2.5	Pass
					3.85	-0.643	-0.0003	-2.5 to 2.5	Pass
					4.43	14.431	0.0076	-2.5 to 2.5	Pass
				-30	3.85	21.127	0.0111	-2.5 to 2.5	Pass
				-20	3.85	20.797	0.0109	-2.5 to 2.5	Pass
				-10	3.85	24.682	0.0129	-2.5 to 2.5	Pass
				0	3.85	18.071	0.0095	-2.5 to 2.5	Pass
				10	3.85	14.779	0.0077	-2.5 to 2.5	Pass
30				3.85	13.342	0.0070	-2.5 to 2.5	Pass	
40				3.85	23.966	0.0125	-2.5 to 2.5	Pass	
50	3.85	16.172	0.0085	-2.5 to 2.5	Pass				

5.5 B25_15MHz

5.5.1 Test Result

Band: 25 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.27	-23.294	-0.0125	-2.5 to 2.5	Pass
					3.85	-23.568	-0.0127	-2.5 to 2.5	Pass
					4.43	-23.313	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-24.338	-0.0131	-2.5 to 2.5	Pass
				-20	3.85	-21.496	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-22.645	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-21.812	-0.0117	-2.5 to 2.5	Pass
				10	3.85	-21.606	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-21.083	-0.0114	-2.5 to 2.5	Pass
				40	3.85	-19.482	-0.0105	-2.5 to 2.5	Pass
50	3.85	-21.758	-0.0117	-2.5 to 2.5	Pass				

	1882.5	75	0	20	3.27	-23.416	-0.0124	-2.5 to 2.5	Pass	
					3.85	-23.858	-0.0127	-2.5 to 2.5	Pass	
					4.43	-23.057	-0.0122	-2.5 to 2.5	Pass	
				-30	3.85	-20.494	-0.0109	-2.5 to 2.5	Pass	
				-20	3.85	-24.201	-0.0129	-2.5 to 2.5	Pass	
				-10	3.85	-21.933	-0.0117	-2.5 to 2.5	Pass	
				0	3.85	-20.030	-0.0106	-2.5 to 2.5	Pass	
				10	3.85	-20.984	-0.0111	-2.5 to 2.5	Pass	
				30	3.85	-22.781	-0.0121	-2.5 to 2.5	Pass	
	40	3.85	-22.606	-0.0120	-2.5 to 2.5	Pass				
	50	3.85	-16.549	-0.0088	-2.5 to 2.5	Pass				
	1907.5	75	0	20	3.27	-24.811	-0.0130	-2.5 to 2.5	Pass	
					3.85	-25.055	-0.0131	-2.5 to 2.5	Pass	
					4.43	-22.583	-0.0118	-2.5 to 2.5	Pass	
				-30	3.85	-23.283	-0.0122	-2.5 to 2.5	Pass	
				-20	3.85	-23.032	-0.0121	-2.5 to 2.5	Pass	
				-10	3.85	-19.344	-0.0101	-2.5 to 2.5	Pass	
				0	3.85	-21.859	-0.0115	-2.5 to 2.5	Pass	
				10	3.85	-22.583	-0.0118	-2.5 to 2.5	Pass	
				30	3.85	-20.938	-0.0110	-2.5 to 2.5	Pass	
	40	3.85	-19.942	-0.0105	-2.5 to 2.5	Pass				
	50	3.85	-18.249	-0.0096	-2.5 to 2.5	Pass				
	16QAM	1857.5	27	0	20	3.27	-21.952	-0.0118	-2.5 to 2.5	Pass
						3.85	-20.245	-0.0109	-2.5 to 2.5	Pass
						4.43	-17.292	-0.0093	-2.5 to 2.5	Pass
					-30	3.85	-18.878	-0.0102	-2.5 to 2.5	Pass
					-20	3.85	-16.009	-0.0086	-2.5 to 2.5	Pass
-10					3.85	-13.778	-0.0074	-2.5 to 2.5	Pass	
0					3.85	-23.523	-0.0127	-2.5 to 2.5	Pass	
10					3.85	-15.243	-0.0082	-2.5 to 2.5	Pass	
30					3.85	-19.622	-0.0106	-2.5 to 2.5	Pass	
40		3.85	-25.616	-0.0138	-2.5 to 2.5	Pass				
50		3.85	-15.195	-0.0082	-2.5 to 2.5	Pass				
1882.5		27	0	20	3.27	-23.324	-0.0124	-2.5 to 2.5	Pass	
					3.85	-24.412	-0.0130	-2.5 to 2.5	Pass	
					4.43	-20.037	-0.0106	-2.5 to 2.5	Pass	
				-30	3.85	-14.123	-0.0075	-2.5 to 2.5	Pass	
				-20	3.85	-25.320	-0.0135	-2.5 to 2.5	Pass	
				-10	3.85	-14.826	-0.0079	-2.5 to 2.5	Pass	
				0	3.85	-23.039	-0.0122	-2.5 to 2.5	Pass	
				10	3.85	-18.438	-0.0098	-2.5 to 2.5	Pass	
				30	3.85	-18.462	-0.0098	-2.5 to 2.5	Pass	
40		3.85	-19.681	-0.0105	-2.5 to 2.5	Pass				
50		3.85	-15.064	-0.0080	-2.5 to 2.5	Pass				
1907.5		27	48	20	3.27	-19.907	-0.0104	-2.5 to 2.5	Pass	
					3.85	-22.388	-0.0117	-2.5 to 2.5	Pass	
					4.43	-21.103	-0.0111	-2.5 to 2.5	Pass	
				-30	3.85	-14.020	-0.0073	-2.5 to 2.5	Pass	
				-20	3.85	-18.758	-0.0098	-2.5 to 2.5	Pass	
	-10			3.85	-22.360	-0.0117	-2.5 to 2.5	Pass		
	0			3.85	-14.866	-0.0078	-2.5 to 2.5	Pass		
	10			3.85	-20.145	-0.0106	-2.5 to 2.5	Pass		
	30			3.85	-19.577	-0.0103	-2.5 to 2.5	Pass		
40	3.85	-15.466	-0.0081	-2.5 to 2.5	Pass					
50	3.85	-25.688	-0.0135	-2.5 to 2.5	Pass					

5.6 B25_20MHz

5.6.1 Test Result

Band: 25 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	-28.651	-0.0154	-2.5 to 2.5	Pass
					3.85	-24.221	-0.0130	-2.5 to 2.5	Pass
					4.43	-22.727	-0.0122	-2.5 to 2.5	Pass
				-30	3.85	-21.707	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-21.334	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-23.733	-0.0128	-2.5 to 2.5	Pass
				0	3.85	-20.643	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-19.701	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-21.004	-0.0113	-2.5 to 2.5	Pass
				40	3.85	-21.566	-0.0116	-2.5 to 2.5	Pass
	50	3.85	-18.769	-0.0101	-2.5 to 2.5	Pass			
	1882.5	100	0	20	3.27	-21.405	-0.0114	-2.5 to 2.5	Pass
					3.85	-24.107	-0.0128	-2.5 to 2.5	Pass
					4.43	-23.116	-0.0123	-2.5 to 2.5	Pass
				-30	3.85	-19.483	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-22.669	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-19.011	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-20.927	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-20.685	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-20.370	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-17.292	-0.0092	-2.5 to 2.5	Pass
	50	3.85	-24.043	-0.0128	-2.5 to 2.5	Pass			
	1905	100	0	20	3.27	-25.813	-0.0136	-2.5 to 2.5	Pass
					3.85	-24.457	-0.0128	-2.5 to 2.5	Pass
					4.43	-24.564	-0.0129	-2.5 to 2.5	Pass
				-30	3.85	-22.581	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-22.330	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-18.733	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-20.714	-0.0109	-2.5 to 2.5	Pass
				10	3.85	-20.533	-0.0108	-2.5 to 2.5	Pass
30				3.85	-21.701	-0.0114	-2.5 to 2.5	Pass	
40				3.85	-23.347	-0.0123	-2.5 to 2.5	Pass	
50	3.85	-21.880	-0.0115	-2.5 to 2.5	Pass				
16QAM	1860	27	0	20	3.27	-21.592	-0.0116	-2.5 to 2.5	Pass
					3.85	-19.138	-0.0103	-2.5 to 2.5	Pass
					4.43	-21.735	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-19.987	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-22.400	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-16.590	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-22.310	-0.0120	-2.5 to 2.5	Pass
				10	3.85	-13.466	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-18.757	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-15.813	-0.0085	-2.5 to 2.5	Pass
	50	3.85	-20.181	-0.0109	-2.5 to 2.5	Pass			
	1882.5	27	0	20	3.27	-17.958	-0.0095	-2.5 to 2.5	Pass
					3.85	-18.168	-0.0097	-2.5 to 2.5	Pass
					4.43	-22.153	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-19.262	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-11.688	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-24.223	-0.0129	-2.5 to 2.5	Pass
				0	3.85	-12.839	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-8.316	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-20.230	-0.0107	-2.5 to 2.5	Pass
40				3.85	-18.955	-0.0101	-2.5 to 2.5	Pass	

	1905	27	73	50	3.85	-11.976	-0.0064	-2.5 to 2.5	Pass
				20	3.27	-19.080	-0.0100	-2.5 to 2.5	Pass
					3.85	-23.499	-0.0123	-2.5 to 2.5	Pass
					4.43	-22.471	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-21.722	-0.0114	-2.5 to 2.5	Pass
				-20	3.85	-19.729	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-17.302	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-19.308	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-22.334	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-23.300	-0.0122	-2.5 to 2.5	Pass
				40	3.85	-25.723	-0.0135	-2.5 to 2.5	Pass
				50	3.85	-14.705	-0.0077	-2.5 to 2.5	Pass

6. Frequency Stability

6.1 B26a_1.4MHz

6.1.1 Test Result

Band: 26a / 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	814.7	6	0	20	3.27	-4.165	-0.0051	-2.5 to 2.5	Pass			
					3.85	-10.457	-0.0128	-2.5 to 2.5	Pass			
					4.43	-25.121	-0.0308	-2.5 to 2.5	Pass			
				-30	3.85	-17.087	-0.0210	-2.5 to 2.5	Pass			
				-20	3.85	-12.655	-0.0155	-2.5 to 2.5	Pass			
				-10	3.85	-16.179	-0.0199	-2.5 to 2.5	Pass			
				0	3.85	-15.342	-0.0188	-2.5 to 2.5	Pass			
				10	3.85	-22.044	-0.0271	-2.5 to 2.5	Pass			
				30	3.85	-24.666	-0.0303	-2.5 to 2.5	Pass			
				40	3.85	-25.185	-0.0309	-2.5 to 2.5	Pass			
				50	3.85	-22.514	-0.0276	-2.5 to 2.5	Pass			
				819	6	0	20	3.27	11.395	0.0139	-2.5 to 2.5	Pass
								3.85	-10.286	-0.0126	-2.5 to 2.5	Pass
								4.43	-20.782	-0.0254	-2.5 to 2.5	Pass
							-30	3.85	-27.151	-0.0332	-2.5 to 2.5	Pass
	-20	3.85	-15.435				-0.0188	-2.5 to 2.5	Pass			
	-10	3.85	-15.428				-0.0188	-2.5 to 2.5	Pass			
	0	3.85	-22.874				-0.0279	-2.5 to 2.5	Pass			
	10	3.85	-12.246				-0.0150	-2.5 to 2.5	Pass			
	30	3.85	-6.368				-0.0078	-2.5 to 2.5	Pass			
	40	3.85	-15.176				-0.0185	-2.5 to 2.5	Pass			
	50	3.85	-16.993				-0.0207	-2.5 to 2.5	Pass			
	823.3	6	0				20	3.27	19.537	0.0237	-2.5 to 2.5	Pass
								3.85	-8.156	-0.0099	-2.5 to 2.5	Pass
								4.43	-18.549	-0.0225	-2.5 to 2.5	Pass
							-30	3.85	-21.804	-0.0265	-2.5 to 2.5	Pass
				-20	3.85	-9.925	-0.0121	-2.5 to 2.5	Pass			
				-10	3.85	-17.830	-0.0217	-2.5 to 2.5	Pass			
				0	3.85	-24.932	-0.0303	-2.5 to 2.5	Pass			
				10	3.85	-12.074	-0.0147	-2.5 to 2.5	Pass			
30				3.85	-24.710	-0.0300	-2.5 to 2.5	Pass				
40				3.85	-6.217	-0.0076	-2.5 to 2.5	Pass				
50	3.85	-11.353	-0.0138	-2.5 to 2.5	Pass							
16QAM	814.7	6	0	20	3.27	14.802	0.0182	-2.5 to 2.5	Pass			

					3.85	14.195	0.0174	-2.5 to 2.5	Pass
					4.43	16.416	0.0201	-2.5 to 2.5	Pass
				-30	3.85	12.930	0.0159	-2.5 to 2.5	Pass
				-20	3.85	12.707	0.0156	-2.5 to 2.5	Pass
				-10	3.85	20.900	0.0257	-2.5 to 2.5	Pass
				0	3.85	13.264	0.0163	-2.5 to 2.5	Pass
				10	3.85	22.411	0.0275	-2.5 to 2.5	Pass
				30	3.85	5.737	0.0070	-2.5 to 2.5	Pass
				40	3.85	15.040	0.0185	-2.5 to 2.5	Pass
	50	3.85	17.087	0.0210	-2.5 to 2.5	Pass			
	819	6	0	20	3.27	21.737	0.0265	-2.5 to 2.5	Pass
					3.85	-26.921	-0.0329	-2.5 to 2.5	Pass
					4.43	-10.661	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-16.030	-0.0196	-2.5 to 2.5	Pass
				-20	3.85	-11.957	-0.0146	-2.5 to 2.5	Pass
				-10	3.85	-14.851	-0.0181	-2.5 to 2.5	Pass
				0	3.85	-22.896	-0.0280	-2.5 to 2.5	Pass
				10	3.85	-17.693	-0.0216	-2.5 to 2.5	Pass
				30	3.85	-21.044	-0.0257	-2.5 to 2.5	Pass
	40	3.85	-3.823	-0.0047	-2.5 to 2.5	Pass			
	50	3.85	-5.321	-0.0065	-2.5 to 2.5	Pass			
	823.3	6	0	20	3.27	22.167	0.0269	-2.5 to 2.5	Pass
					3.85	8.689	0.0106	-2.5 to 2.5	Pass
					4.43	-7.208	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-2.062	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-15.999	-0.0194	-2.5 to 2.5	Pass
				-10	3.85	-8.895	-0.0108	-2.5 to 2.5	Pass
0				3.85	-15.554	-0.0189	-2.5 to 2.5	Pass	
10				3.85	-18.808	-0.0228	-2.5 to 2.5	Pass	
30				3.85	-1.785	-0.0022	-2.5 to 2.5	Pass	
40	3.85	-1.940	-0.0024	-2.5 to 2.5	Pass				
50	3.85	-10.672	-0.0130	-2.5 to 2.5	Pass				

6.2 B26a_3MHz

6.2.1 Test Result

Band: 26a / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	815.5	15	0	20	3.27	-16.112	-0.0198	-2.5 to 2.5	Pass
					3.85	-18.811	-0.0231	-2.5 to 2.5	Pass
					4.43	-17.538	-0.0215	-2.5 to 2.5	Pass
				-30	3.85	-18.401	-0.0226	-2.5 to 2.5	Pass
				-20	3.85	-21.129	-0.0259	-2.5 to 2.5	Pass
				-10	3.85	-14.313	-0.0176	-2.5 to 2.5	Pass
				0	3.85	-14.155	-0.0174	-2.5 to 2.5	Pass
				10	3.85	-13.416	-0.0165	-2.5 to 2.5	Pass
				30	3.85	-21.815	-0.0268	-2.5 to 2.5	Pass
	40	3.85	-14.172	-0.0174	-2.5 to 2.5	Pass			
	50	3.85	-20.808	-0.0255	-2.5 to 2.5	Pass			
	819	15	0	20	3.27	6.291	0.0077	-2.5 to 2.5	Pass
					3.85	-12.714	-0.0155	-2.5 to 2.5	Pass
					4.43	-20.476	-0.0250	-2.5 to 2.5	Pass
				-30	3.85	-10.064	-0.0123	-2.5 to 2.5	Pass
-20				3.85	-24.148	-0.0295	-2.5 to 2.5	Pass	
-10				3.85	-25.542	-0.0312	-2.5 to 2.5	Pass	

				0	3.85	-7.175	-0.0088	-2.5 to 2.5	Pass				
				10	3.85	-8.315	-0.0102	-2.5 to 2.5	Pass				
				30	3.85	-21.745	-0.0266	-2.5 to 2.5	Pass				
				40	3.85	-17.915	-0.0219	-2.5 to 2.5	Pass				
				50	3.85	-12.978	-0.0158	-2.5 to 2.5	Pass				
	822.5	15	0	20	3.27	9.258	0.0113	-2.5 to 2.5	Pass				
					3.85	-8.464	-0.0103	-2.5 to 2.5	Pass				
					4.43	-17.702	-0.0215	-2.5 to 2.5	Pass				
				-30	3.85	-14.135	-0.0172	-2.5 to 2.5	Pass				
				-20	3.85	-8.046	-0.0098	-2.5 to 2.5	Pass				
				-10	3.85	-16.543	-0.0201	-2.5 to 2.5	Pass				
				0	3.85	-16.132	-0.0196	-2.5 to 2.5	Pass				
				10	3.85	-15.221	-0.0185	-2.5 to 2.5	Pass				
				30	3.85	-17.735	-0.0216	-2.5 to 2.5	Pass				
				40	3.85	-13.618	-0.0166	-2.5 to 2.5	Pass				
				50	3.85	-18.222	-0.0222	-2.5 to 2.5	Pass				
				16QAM	815.5	15	0	20	3.27	10.234	0.0125	-2.5 to 2.5	Pass
									3.85	6.071	0.0074	-2.5 to 2.5	Pass
									4.43	10.972	0.0135	-2.5 to 2.5	Pass
-30	3.85	11.339	0.0139					-2.5 to 2.5	Pass				
-20	3.85	17.438	0.0214					-2.5 to 2.5	Pass				
-10	3.85	25.149	0.0308					-2.5 to 2.5	Pass				
0	3.85	6.876	0.0084					-2.5 to 2.5	Pass				
10	3.85	7.117	0.0087					-2.5 to 2.5	Pass				
30	3.85	10.712	0.0131					-2.5 to 2.5	Pass				
40	3.85	4.695	0.0058					-2.5 to 2.5	Pass				
50	3.85	7.812	0.0096					-2.5 to 2.5	Pass				
819	15	0	20					3.27	25.032	0.0306	-2.5 to 2.5	Pass	
								3.85	-17.177	-0.0210	-2.5 to 2.5	Pass	
								4.43	-26.423	-0.0323	-2.5 to 2.5	Pass	
			-30					3.85	-12.189	-0.0149	-2.5 to 2.5	Pass	
			-20		3.85	-11.520	-0.0141	-2.5 to 2.5	Pass				
			-10		3.85	-16.026	-0.0196	-2.5 to 2.5	Pass				
			0		3.85	-27.334	-0.0334	-2.5 to 2.5	Pass				
			10		3.85	-24.244	-0.0296	-2.5 to 2.5	Pass				
			30		3.85	-26.855	-0.0328	-2.5 to 2.5	Pass				
			40		3.85	-21.754	-0.0266	-2.5 to 2.5	Pass				
			50		3.85	-17.868	-0.0218	-2.5 to 2.5	Pass				
			822.5		15	0	20	3.27	8.893	0.0108	-2.5 to 2.5	Pass	
								3.85	7.918	0.0096	-2.5 to 2.5	Pass	
								4.43	14.518	0.0177	-2.5 to 2.5	Pass	
							-30	3.85	16.416	0.0200	-2.5 to 2.5	Pass	
-20	3.85	24.158					0.0294	-2.5 to 2.5	Pass				
-10	3.85	6.063					0.0074	-2.5 to 2.5	Pass				
0	3.85	6.925					0.0084	-2.5 to 2.5	Pass				
10	3.85	4.768					0.0058	-2.5 to 2.5	Pass				
30	3.85	10.714		0.0130			-2.5 to 2.5	Pass					
40	3.85	13.157		0.0160			-2.5 to 2.5	Pass					
50	3.85	19.314		0.0235			-2.5 to 2.5	Pass					

6.3 B26a_5MHz

6.3.1 Test Result

Band: 26a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	

QPSK	816.5	25	0	20	3.27	11.853	0.0145	-2.5 to 2.5	Pass
					3.85	-14.976	-0.0183	-2.5 to 2.5	Pass
					4.43	-10.069	-0.0123	-2.5 to 2.5	Pass
				-30	3.85	-4.904	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-6.193	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-8.580	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-24.124	-0.0295	-2.5 to 2.5	Pass
				10	3.85	-8.393	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-12.238	-0.0150	-2.5 to 2.5	Pass
	40	3.85	-10.305	-0.0126	-2.5 to 2.5	Pass			
	50	3.85	-21.795	-0.0267	-2.5 to 2.5	Pass			
	819	25	0	20	3.27	21.963	0.0268	-2.5 to 2.5	Pass
					3.85	-17.309	-0.0211	-2.5 to 2.5	Pass
					4.43	-24.760	-0.0302	-2.5 to 2.5	Pass
				-30	3.85	-6.631	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-9.481	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-21.029	-0.0257	-2.5 to 2.5	Pass
				0	3.85	-16.226	-0.0198	-2.5 to 2.5	Pass
				10	3.85	-23.754	-0.0290	-2.5 to 2.5	Pass
				30	3.85	2.686	0.0033	-2.5 to 2.5	Pass
	40	3.85	-2.221	-0.0027	-2.5 to 2.5	Pass			
	50	3.85	-18.813	-0.0230	-2.5 to 2.5	Pass			
	821.5	25	0	20	3.27	6.953	0.0085	-2.5 to 2.5	Pass
					3.85	-17.556	-0.0214	-2.5 to 2.5	Pass
4.43					-16.654	-0.0203	-2.5 to 2.5	Pass	
-30				3.85	-18.556	-0.0226	-2.5 to 2.5	Pass	
-20				3.85	-13.389	-0.0163	-2.5 to 2.5	Pass	
-10				3.85	-9.782	-0.0119	-2.5 to 2.5	Pass	
0				3.85	-18.657	-0.0227	-2.5 to 2.5	Pass	
10				3.85	-24.027	-0.0292	-2.5 to 2.5	Pass	
30				3.85	-14.012	-0.0171	-2.5 to 2.5	Pass	
40	3.85	-6.552	-0.0080	-2.5 to 2.5	Pass				
50	3.85	-8.116	-0.0099	-2.5 to 2.5	Pass				
16QAM	816.5	25	0	20	3.27	19.107	0.0234	-2.5 to 2.5	Pass
					3.85	9.716	0.0119	-2.5 to 2.5	Pass
					4.43	6.126	0.0075	-2.5 to 2.5	Pass
				-30	3.85	5.422	0.0066	-2.5 to 2.5	Pass
				-20	3.85	21.650	0.0265	-2.5 to 2.5	Pass
				-10	3.85	12.350	0.0151	-2.5 to 2.5	Pass
				0	3.85	16.733	0.0205	-2.5 to 2.5	Pass
				10	3.85	11.772	0.0144	-2.5 to 2.5	Pass
				30	3.85	18.674	0.0229	-2.5 to 2.5	Pass
	40	3.85	25.329	0.0310	-2.5 to 2.5	Pass			
	50	3.85	7.165	0.0088	-2.5 to 2.5	Pass			
	819	25	0	20	3.27	18.241	0.0223	-2.5 to 2.5	Pass
					3.85	-26.638	-0.0325	-2.5 to 2.5	Pass
					4.43	-26.895	-0.0328	-2.5 to 2.5	Pass
				-30	3.85	-19.518	-0.0238	-2.5 to 2.5	Pass
				-20	3.85	-25.252	-0.0308	-2.5 to 2.5	Pass
				-10	3.85	-11.795	-0.0144	-2.5 to 2.5	Pass
				0	3.85	-22.816	-0.0279	-2.5 to 2.5	Pass
				10	3.85	-13.830	-0.0169	-2.5 to 2.5	Pass
				30	3.85	-13.362	-0.0163	-2.5 to 2.5	Pass
	40	3.85	-21.964	-0.0268	-2.5 to 2.5	Pass			
	50	3.85	-12.589	-0.0154	-2.5 to 2.5	Pass			
	821.5	25	0	20	3.27	24.103	0.0293	-2.5 to 2.5	Pass
					3.85	-1.419	-0.0017	-2.5 to 2.5	Pass
4.43					8.516	0.0104	-2.5 to 2.5	Pass	
-30				3.85	11.759	0.0143	-2.5 to 2.5	Pass	

				-20	3.85	18.918	0.0230	-2.5 to 2.5	Pass
				-10	3.85	13.532	0.0165	-2.5 to 2.5	Pass
				0	3.85	12.396	0.0151	-2.5 to 2.5	Pass
				10	3.85	23.535	0.0286	-2.5 to 2.5	Pass
				30	3.85	10.550	0.0128	-2.5 to 2.5	Pass
				40	3.85	16.688	0.0203	-2.5 to 2.5	Pass
				50	3.85	20.928	0.0255	-2.5 to 2.5	Pass

6.4 B26a_10MHz

6.4.1 Test Result

Band: 26a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	819	50	0	20	3.27	21.113	0.0258	-2.5 to 2.5	Pass
					3.85	-18.849	-0.0230	-2.5 to 2.5	Pass
					4.43	-26.063	-0.0318	-2.5 to 2.5	Pass
				-30	3.85	-20.939	-0.0256	-2.5 to 2.5	Pass
				-20	3.85	-20.277	-0.0248	-2.5 to 2.5	Pass
				-10	3.85	-18.417	-0.0225	-2.5 to 2.5	Pass
				0	3.85	-16.575	-0.0202	-2.5 to 2.5	Pass
				10	3.85	-26.536	-0.0324	-2.5 to 2.5	Pass
				30	3.85	-24.876	-0.0304	-2.5 to 2.5	Pass
				40	3.85	-21.389	-0.0261	-2.5 to 2.5	Pass
16QAM	819	27	0	20	3.27	22.154	0.0271	-2.5 to 2.5	Pass
					3.85	-12.003	-0.0147	-2.5 to 2.5	Pass
					4.43	-20.542	-0.0251	-2.5 to 2.5	Pass
				-30	3.85	-25.558	-0.0312	-2.5 to 2.5	Pass
				-20	3.85	-5.088	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-4.468	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-26.909	-0.0329	-2.5 to 2.5	Pass
				10	3.85	-22.771	-0.0278	-2.5 to 2.5	Pass
				30	3.85	-20.857	-0.0255	-2.5 to 2.5	Pass
				40	3.85	-11.693	-0.0143	-2.5 to 2.5	Pass
				50	3.85	-22.885	-0.0279	-2.5 to 2.5	Pass

7. Frequency Stability

7.1 B26b_1.4MHz

7.1.1 Test Result

Band: 26b / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	12.051	0.0146	-2.5 to 2.5	Pass
					3.85	-24.767	-0.0300	-2.5 to 2.5	Pass
					4.43	-4.760	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-15.753	-0.0191	-2.5 to 2.5	Pass
				-20	3.85	-4.166	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-4.994	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-19.517	-0.0237	-2.5 to 2.5	Pass

				10	3.85	0.439	0.0005	-2.5 to 2.5	Pass	
				30	3.85	-5.592	-0.0068	-2.5 to 2.5	Pass	
				40	3.85	-13.448	-0.0163	-2.5 to 2.5	Pass	
				50	3.85	-15.938	-0.0193	-2.5 to 2.5	Pass	
	836.5	6	0	20	3.27	21.936	0.0262	-2.5 to 2.5	Pass	
					3.85	11.515	0.0138	-2.5 to 2.5	Pass	
					4.43	2.895	0.0035	-2.5 to 2.5	Pass	
				-30	3.85	16.223	0.0194	-2.5 to 2.5	Pass	
				-20	3.85	20.868	0.0249	-2.5 to 2.5	Pass	
				-10	3.85	21.990	0.0263	-2.5 to 2.5	Pass	
				0	3.85	12.092	0.0145	-2.5 to 2.5	Pass	
				10	3.85	20.591	0.0246	-2.5 to 2.5	Pass	
				30	3.85	4.396	0.0053	-2.5 to 2.5	Pass	
				40	3.85	10.536	0.0126	-2.5 to 2.5	Pass	
				50	3.85	25.583	0.0306	-2.5 to 2.5	Pass	
				848.3	6	0	20	3.27	-15.446	-0.0182
	3.85	-16.123	-0.0190					-2.5 to 2.5	Pass	
	4.43	-19.038	-0.0224					-2.5 to 2.5	Pass	
	-30	3.85	-15.749				-0.0186	-2.5 to 2.5	Pass	
	-20	3.85	-12.422				-0.0146	-2.5 to 2.5	Pass	
	-10	3.85	-17.405				-0.0205	-2.5 to 2.5	Pass	
	0	3.85	-7.605				-0.0090	-2.5 to 2.5	Pass	
	10	3.85	-22.024				-0.0260	-2.5 to 2.5	Pass	
	30	3.85	-17.345				-0.0204	-2.5 to 2.5	Pass	
	40	3.85	-22.198				-0.0262	-2.5 to 2.5	Pass	
	50	3.85	-18.451				-0.0218	-2.5 to 2.5	Pass	
	16QAM	824.7	6				0	20	3.27	18.437
				3.85	4.966	0.0060			-2.5 to 2.5	Pass
				4.43	0.890	0.0011			-2.5 to 2.5	Pass
				-30	3.85	11.531		0.0140	-2.5 to 2.5	Pass
-20				3.85	17.729	0.0215		-2.5 to 2.5	Pass	
-10				3.85	23.356	0.0283		-2.5 to 2.5	Pass	
0				3.85	26.403	0.0320		-2.5 to 2.5	Pass	
10				3.85	7.995	0.0097		-2.5 to 2.5	Pass	
30				3.85	19.478	0.0236		-2.5 to 2.5	Pass	
40				3.85	20.006	0.0243		-2.5 to 2.5	Pass	
50				3.85	19.511	0.0237		-2.5 to 2.5	Pass	
836.5				6	0	20		3.27	17.637	0.0211
		3.85	14.066				0.0168	-2.5 to 2.5	Pass	
		4.43	7.733				0.0092	-2.5 to 2.5	Pass	
		-30	3.85			13.199	0.0158	-2.5 to 2.5	Pass	
		-20	3.85			8.822	0.0105	-2.5 to 2.5	Pass	
		-10	3.85			12.480	0.0149	-2.5 to 2.5	Pass	
		0	3.85			14.748	0.0176	-2.5 to 2.5	Pass	
		10	3.85			24.457	0.0292	-2.5 to 2.5	Pass	
		30	3.85			8.902	0.0106	-2.5 to 2.5	Pass	
		40	3.85			26.606	0.0318	-2.5 to 2.5	Pass	
		50	3.85			11.944	0.0143	-2.5 to 2.5	Pass	
		848.3	6			0	20	3.27	10.067	0.0119
3.85				5.798	0.0068			-2.5 to 2.5	Pass	
4.43				-14.450	-0.0170			-2.5 to 2.5	Pass	
-30				3.85	-23.622		-0.0278	-2.5 to 2.5	Pass	
-20				3.85	4.198		0.0049	-2.5 to 2.5	Pass	
-10				3.85	-7.067		-0.0083	-2.5 to 2.5	Pass	
0				3.85	-17.457		-0.0206	-2.5 to 2.5	Pass	
10				3.85	-19.619		-0.0231	-2.5 to 2.5	Pass	
30	3.85			-4.507	-0.0053		-2.5 to 2.5	Pass		
40	3.85			-18.650	-0.0220		-2.5 to 2.5	Pass		
50	3.85			-25.884	-0.0305		-2.5 to 2.5	Pass		

7.2 B26b_3MHz

7.2.1 Test Result

Band: 26b / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	8.214	0.0100	-2.5 to 2.5	Pass
					3.85	-10.776	-0.0131	-2.5 to 2.5	Pass
					4.43	-11.289	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-11.420	-0.0138	-2.5 to 2.5	Pass
				-20	3.85	-19.502	-0.0236	-2.5 to 2.5	Pass
				-10	3.85	-14.391	-0.0174	-2.5 to 2.5	Pass
				0	3.85	-16.275	-0.0197	-2.5 to 2.5	Pass
				10	3.85	-10.492	-0.0127	-2.5 to 2.5	Pass
				30	3.85	-21.551	-0.0261	-2.5 to 2.5	Pass
				40	3.85	-6.962	-0.0084	-2.5 to 2.5	Pass
	50	3.85	-6.300	-0.0076	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	21.778	0.0260	-2.5 to 2.5	Pass
					3.85	11.168	0.0134	-2.5 to 2.5	Pass
					4.43	16.017	0.0191	-2.5 to 2.5	Pass
				-30	3.85	15.788	0.0189	-2.5 to 2.5	Pass
				-20	3.85	18.651	0.0223	-2.5 to 2.5	Pass
				-10	3.85	10.271	0.0123	-2.5 to 2.5	Pass
				0	3.85	25.435	0.0304	-2.5 to 2.5	Pass
				10	3.85	17.786	0.0213	-2.5 to 2.5	Pass
				30	3.85	7.138	0.0085	-2.5 to 2.5	Pass
				40	3.85	24.991	0.0299	-2.5 to 2.5	Pass
	50	3.85	18.798	0.0225	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	17.485	0.0206	-2.5 to 2.5	Pass
					3.85	1.610	0.0019	-2.5 to 2.5	Pass
					4.43	-13.806	-0.0163	-2.5 to 2.5	Pass
				-30	3.85	-3.518	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-10.922	-0.0129	-2.5 to 2.5	Pass
				-10	3.85	-7.143	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-16.971	-0.0200	-2.5 to 2.5	Pass
				10	3.85	-21.073	-0.0249	-2.5 to 2.5	Pass
30				3.85	-3.345	-0.0039	-2.5 to 2.5	Pass	
40				3.85	3.506	0.0041	-2.5 to 2.5	Pass	
50	3.85	14.958	0.0176	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.27	16.495	0.0200	-2.5 to 2.5	Pass
					3.85	14.850	0.0180	-2.5 to 2.5	Pass
					4.43	-1.494	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-4.579	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	2.697	0.0033	-2.5 to 2.5	Pass
				-10	3.85	8.822	0.0107	-2.5 to 2.5	Pass
				0	3.85	3.284	0.0040	-2.5 to 2.5	Pass
				10	3.85	3.717	0.0045	-2.5 to 2.5	Pass
				30	3.85	6.200	0.0075	-2.5 to 2.5	Pass
				40	3.85	17.514	0.0212	-2.5 to 2.5	Pass
	50	3.85	19.253	0.0233	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	20.400	0.0244	-2.5 to 2.5	Pass
					3.85	6.029	0.0072	-2.5 to 2.5	Pass
					4.43	23.889	0.0286	-2.5 to 2.5	Pass
-30				3.85	18.073	0.0216	-2.5 to 2.5	Pass	
-20	3.85	9.885	0.0118	-2.5 to 2.5	Pass				

				-10	3.85	14.852	0.0178	-2.5 to 2.5	Pass
				0	3.85	17.233	0.0206	-2.5 to 2.5	Pass
				10	3.85	25.112	0.0300	-2.5 to 2.5	Pass
				30	3.85	9.488	0.0113	-2.5 to 2.5	Pass
				40	3.85	7.898	0.0094	-2.5 to 2.5	Pass
				50	3.85	9.484	0.0113	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	15.873	0.0187	-2.5 to 2.5	Pass
					3.85	24.566	0.0290	-2.5 to 2.5	Pass
					4.43	14.686	0.0173	-2.5 to 2.5	Pass
				-30	3.85	22.888	0.0270	-2.5 to 2.5	Pass
				-20	3.85	19.210	0.0227	-2.5 to 2.5	Pass
				-10	3.85	2.966	0.0035	-2.5 to 2.5	Pass
				0	3.85	10.702	0.0126	-2.5 to 2.5	Pass
				10	3.85	8.758	0.0103	-2.5 to 2.5	Pass
				30	3.85	11.023	0.0130	-2.5 to 2.5	Pass
				40	3.85	26.163	0.0309	-2.5 to 2.5	Pass
				50	3.85	3.874	0.0046	-2.5 to 2.5	Pass

7.3 B26b_5MHz

7.3.1 Test Result

Band: 26b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	10.075	0.0122	-2.5 to 2.5	Pass
					3.85	-8.815	-0.0107	-2.5 to 2.5	Pass
					4.43	-10.591	-0.0128	-2.5 to 2.5	Pass
				-30	3.85	-15.265	-0.0185	-2.5 to 2.5	Pass
				-20	3.85	-22.901	-0.0277	-2.5 to 2.5	Pass
				-10	3.85	-12.417	-0.0150	-2.5 to 2.5	Pass
				0	3.85	-16.867	-0.0204	-2.5 to 2.5	Pass
				10	3.85	-5.969	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-28.312	-0.0343	-2.5 to 2.5	Pass
				40	3.85	-17.941	-0.0217	-2.5 to 2.5	Pass
				50	3.85	-7.552	-0.0091	-2.5 to 2.5	Pass
				836.5	25	0	20	3.27	23.271
	3.85	8.466	0.0101					-2.5 to 2.5	Pass
	4.43	5.949	0.0071					-2.5 to 2.5	Pass
	-30	3.85	18.273				0.0218	-2.5 to 2.5	Pass
	-20	3.85	18.140				0.0217	-2.5 to 2.5	Pass
	-10	3.85	17.431				0.0208	-2.5 to 2.5	Pass
	0	3.85	6.617				0.0079	-2.5 to 2.5	Pass
	10	3.85	9.799				0.0117	-2.5 to 2.5	Pass
	30	3.85	13.931				0.0167	-2.5 to 2.5	Pass
	40	3.85	13.997				0.0167	-2.5 to 2.5	Pass
	50	3.85	19.447				0.0232	-2.5 to 2.5	Pass
	846.5	25	0				20	3.27	14.456
				3.85	17.165	0.0203		-2.5 to 2.5	Pass
				4.43	17.593	0.0208		-2.5 to 2.5	Pass
				-30	3.85	23.577	0.0279	-2.5 to 2.5	Pass
				-20	3.85	23.176	0.0274	-2.5 to 2.5	Pass
				-10	3.85	3.409	0.0040	-2.5 to 2.5	Pass
				0	3.85	3.239	0.0038	-2.5 to 2.5	Pass
				10	3.85	8.087	0.0096	-2.5 to 2.5	Pass
30				3.85	13.614	0.0161	-2.5 to 2.5	Pass	
40				3.85	4.886	0.0058	-2.5 to 2.5	Pass	

16QAM	826.5	25	0	50	3.85	-8.584	-0.0101	-2.5 to 2.5	Pass
				20	3.27	23.791	0.0288	-2.5 to 2.5	Pass
					3.85	-11.548	-0.0140	-2.5 to 2.5	Pass
					4.43	-15.603	-0.0189	-2.5 to 2.5	Pass
				-30	3.85	-26.686	-0.0323	-2.5 to 2.5	Pass
				-20	3.85	-4.144	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-1.136	-0.0014	-2.5 to 2.5	Pass
				0	3.85	3.998	0.0048	-2.5 to 2.5	Pass
				10	3.85	11.276	0.0136	-2.5 to 2.5	Pass
				30	3.85	15.162	0.0183	-2.5 to 2.5	Pass
	40	3.85	12.450	0.0151	-2.5 to 2.5	Pass			
	50	3.85	-4.724	-0.0057	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.27	23.241	0.0278	-2.5 to 2.5	Pass
					3.85	19.816	0.0237	-2.5 to 2.5	Pass
					4.43	20.285	0.0242	-2.5 to 2.5	Pass
				-30	3.85	8.652	0.0103	-2.5 to 2.5	Pass
				-20	3.85	4.396	0.0053	-2.5 to 2.5	Pass
				-10	3.85	19.470	0.0233	-2.5 to 2.5	Pass
				0	3.85	13.693	0.0164	-2.5 to 2.5	Pass
				10	3.85	17.206	0.0206	-2.5 to 2.5	Pass
				30	3.85	22.744	0.0272	-2.5 to 2.5	Pass
				40	3.85	9.731	0.0116	-2.5 to 2.5	Pass
	50	3.85	17.870	0.0214	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.27	17.276	0.0204	-2.5 to 2.5	Pass
					3.85	24.018	0.0284	-2.5 to 2.5	Pass
					4.43	9.834	0.0116	-2.5 to 2.5	Pass
				-30	3.85	4.796	0.0057	-2.5 to 2.5	Pass
				-20	3.85	20.931	0.0247	-2.5 to 2.5	Pass
				-10	3.85	2.550	0.0030	-2.5 to 2.5	Pass
				0	3.85	24.576	0.0290	-2.5 to 2.5	Pass
10				3.85	13.670	0.0161	-2.5 to 2.5	Pass	
30				3.85	17.169	0.0203	-2.5 to 2.5	Pass	
40				3.85	15.543	0.0184	-2.5 to 2.5	Pass	
50	3.85	2.138	0.0025	-2.5 to 2.5	Pass				

7.4 B26b_10MHz

7.4.1 Test Result

Band: 26b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	-18.851	-0.0227	-2.5 to 2.5	Pass
					3.85	-15.289	-0.0184	-2.5 to 2.5	Pass
					4.43	-14.749	-0.0178	-2.5 to 2.5	Pass
				-30	3.85	-17.279	-0.0208	-2.5 to 2.5	Pass
				-20	3.85	-20.972	-0.0253	-2.5 to 2.5	Pass
				-10	3.85	-14.528	-0.0175	-2.5 to 2.5	Pass
				0	3.85	-13.726	-0.0166	-2.5 to 2.5	Pass
				10	3.85	-18.578	-0.0224	-2.5 to 2.5	Pass
				30	3.85	-26.845	-0.0324	-2.5 to 2.5	Pass
				40	3.85	-15.157	-0.0183	-2.5 to 2.5	Pass
	50	3.85	-16.267	-0.0196	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.27	18.103	0.0216	-2.5 to 2.5	Pass
					3.85	6.885	0.0082	-2.5 to 2.5	Pass
					4.43	12.349	0.0148	-2.5 to 2.5	Pass
-30				3.85	11.521	0.0138	-2.5 to 2.5	Pass	

				-20	3.85	9.146	0.0109	-2.5 to 2.5	Pass
				-10	3.85	23.187	0.0277	-2.5 to 2.5	Pass
				0	3.85	7.842	0.0094	-2.5 to 2.5	Pass
				10	3.85	23.201	0.0277	-2.5 to 2.5	Pass
				30	3.85	4.461	0.0053	-2.5 to 2.5	Pass
				40	3.85	16.593	0.0198	-2.5 to 2.5	Pass
	50	3.85	23.412	0.0280	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	5.451	0.0065	-2.5 to 2.5	Pass
					3.85	-16.540	-0.0196	-2.5 to 2.5	Pass
					4.43	-4.934	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-16.578	-0.0196	-2.5 to 2.5	Pass
				-20	3.85	-15.716	-0.0186	-2.5 to 2.5	Pass
				-10	3.85	-6.895	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-23.432	-0.0278	-2.5 to 2.5	Pass
				10	3.85	-18.554	-0.0220	-2.5 to 2.5	Pass
				30	3.85	-23.374	-0.0277	-2.5 to 2.5	Pass
				40	3.85	-12.198	-0.0145	-2.5 to 2.5	Pass
				50	3.85	-5.315	-0.0063	-2.5 to 2.5	Pass
16QAM				829	27	0	20	3.27	-11.009
	3.85	-0.695	-0.0008					-2.5 to 2.5	Pass
	4.43	5.022	0.0061					-2.5 to 2.5	Pass
	-30	3.85	-1.806				-0.0022	-2.5 to 2.5	Pass
	-20	3.85	3.946				0.0048	-2.5 to 2.5	Pass
	-10	3.85	3.008				0.0036	-2.5 to 2.5	Pass
	0	3.85	-0.933				-0.0011	-2.5 to 2.5	Pass
	10	3.85	-17.227				-0.0208	-2.5 to 2.5	Pass
	30	3.85	-4.911				-0.0059	-2.5 to 2.5	Pass
	40	3.85	-15.118				-0.0182	-2.5 to 2.5	Pass
	50	3.85	-20.499				-0.0247	-2.5 to 2.5	Pass
	836.5	27	0				20	3.27	22.239
				3.85	23.931	0.0286		-2.5 to 2.5	Pass
				4.43	12.607	0.0151		-2.5 to 2.5	Pass
				-30	3.85	11.093	0.0133	-2.5 to 2.5	Pass
				-20	3.85	19.624	0.0235	-2.5 to 2.5	Pass
				-10	3.85	8.740	0.0104	-2.5 to 2.5	Pass
				0	3.85	23.802	0.0285	-2.5 to 2.5	Pass
				10	3.85	12.522	0.0150	-2.5 to 2.5	Pass
				30	3.85	20.013	0.0239	-2.5 to 2.5	Pass
				40	3.85	24.016	0.0287	-2.5 to 2.5	Pass
				50	3.85	16.839	0.0201	-2.5 to 2.5	Pass
				844	27	23	20	3.27	-6.262
	3.85	6.152	0.0073					-2.5 to 2.5	Pass
	4.43	4.645	0.0055					-2.5 to 2.5	Pass
	-30	3.85	20.103				0.0238	-2.5 to 2.5	Pass
	-20	3.85	17.357				0.0206	-2.5 to 2.5	Pass
	-10	3.85	4.006				0.0047	-2.5 to 2.5	Pass
	0	3.85	13.260				0.0157	-2.5 to 2.5	Pass
	10	3.85	7.095				0.0084	-2.5 to 2.5	Pass
30	3.85	21.877	0.0259				-2.5 to 2.5	Pass	
40	3.85	23.407	0.0277				-2.5 to 2.5	Pass	
50	3.85	4.908	0.0058				-2.5 to 2.5	Pass	

8. Frequency Stability

8.1 B26c_15MHz

8.1.1 Test Result

Band: 26c / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	821.5	75	0	20	3.27	-18.035	-0.0220	-2.5 to 2.5	Pass
					3.85	-19.914	-0.0242	-2.5 to 2.5	Pass
					4.43	-19.224	-0.0234	-2.5 to 2.5	Pass
				-30	3.85	-17.259	-0.0210	-2.5 to 2.5	Pass
				-20	3.85	-18.814	-0.0229	-2.5 to 2.5	Pass
				-10	3.85	-17.047	-0.0208	-2.5 to 2.5	Pass
				0	3.85	-14.351	-0.0175	-2.5 to 2.5	Pass
				10	3.85	-17.371	-0.0211	-2.5 to 2.5	Pass
				30	3.85	-23.630	-0.0288	-2.5 to 2.5	Pass
				40	3.85	-25.416	-0.0309	-2.5 to 2.5	Pass
	50	3.85	-24.234	-0.0295	-2.5 to 2.5	Pass			
	831.5	75	0	20	3.27	-17.245	-0.0207	-2.5 to 2.5	Pass
					3.85	-18.562	-0.0223	-2.5 to 2.5	Pass
					4.43	-21.747	-0.0262	-2.5 to 2.5	Pass
				-30	3.85	-12.267	-0.0148	-2.5 to 2.5	Pass
				-20	3.85	-12.824	-0.0154	-2.5 to 2.5	Pass
				-10	3.85	-15.048	-0.0181	-2.5 to 2.5	Pass
				0	3.85	-18.378	-0.0221	-2.5 to 2.5	Pass
				10	3.85	-6.667	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-14.987	-0.0180	-2.5 to 2.5	Pass
				40	3.85	-22.874	-0.0275	-2.5 to 2.5	Pass
	50	3.85	-16.467	-0.0198	-2.5 to 2.5	Pass			
	841.5	75	0	20	3.27	-18.354	-0.0218	-2.5 to 2.5	Pass
					3.85	-17.654	-0.0210	-2.5 to 2.5	Pass
					4.43	-19.991	-0.0238	-2.5 to 2.5	Pass
				-30	3.85	-13.842	-0.0164	-2.5 to 2.5	Pass
				-20	3.85	-22.196	-0.0264	-2.5 to 2.5	Pass
				-10	3.85	-17.760	-0.0211	-2.5 to 2.5	Pass
				0	3.85	-16.000	-0.0190	-2.5 to 2.5	Pass
				10	3.85	-9.353	-0.0111	-2.5 to 2.5	Pass
30				3.85	-24.353	-0.0289	-2.5 to 2.5	Pass	
40				3.85	-19.305	-0.0229	-2.5 to 2.5	Pass	
50	3.85	-26.080	-0.0310	-2.5 to 2.5	Pass				
16QAM	821.5	27	0	20	3.27	-8.007	-0.0097	-2.5 to 2.5	Pass
					3.85	-10.289	-0.0125	-2.5 to 2.5	Pass
					4.43	-22.273	-0.0271	-2.5 to 2.5	Pass
				-30	3.85	-6.141	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-11.222	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-24.461	-0.0298	-2.5 to 2.5	Pass
				0	3.85	-22.218	-0.0270	-2.5 to 2.5	Pass
				10	3.85	-18.610	-0.0227	-2.5 to 2.5	Pass
				30	3.85	-18.738	-0.0228	-2.5 to 2.5	Pass
				40	3.85	-17.554	-0.0214	-2.5 to 2.5	Pass
	50	3.85	-25.700	-0.0313	-2.5 to 2.5	Pass			
	831.5	27	0	20	3.27	-14.519	-0.0175	-2.5 to 2.5	Pass
					3.85	-25.127	-0.0302	-2.5 to 2.5	Pass
					4.43	-20.382	-0.0245	-2.5 to 2.5	Pass
				-30	3.85	-20.448	-0.0246	-2.5 to 2.5	Pass
				-20	3.85	-27.085	-0.0326	-2.5 to 2.5	Pass
				-10	3.85	-25.721	-0.0309	-2.5 to 2.5	Pass
				0	3.85	-25.493	-0.0307	-2.5 to 2.5	Pass
				10	3.85	-17.271	-0.0208	-2.5 to 2.5	Pass
				30	3.85	-15.926	-0.0192	-2.5 to 2.5	Pass
40				3.85	-26.169	-0.0315	-2.5 to 2.5	Pass	
50	3.85	-10.037	-0.0121	-2.5 to 2.5	Pass				
841.5	27	48	20	3.27	-25.374	-0.0302	-2.5 to 2.5	Pass	

					3.85	-24.038	-0.0286	-2.5 to 2.5	Pass
					4.43	-22.097	-0.0263	-2.5 to 2.5	Pass
				-30	3.85	-5.929	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-27.750	-0.0330	-2.5 to 2.5	Pass
				-10	3.85	-14.941	-0.0178	-2.5 to 2.5	Pass
				0	3.85	-4.044	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-18.469	-0.0219	-2.5 to 2.5	Pass
				30	3.85	-18.510	-0.0220	-2.5 to 2.5	Pass
				40	3.85	-17.378	-0.0207	-2.5 to 2.5	Pass
				50	3.85	-14.446	-0.0172	-2.5 to 2.5	Pass

9. Frequency Stability

9.1 B4_1.4MHz

9.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-11.465	-0.0067	-2.5 to 2.5	Pass
					3.85	-12.665	-0.0074	-2.5 to 2.5	Pass
					4.43	-9.298	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-9.970	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-14.920	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-11.298	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-14.100	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-7.792	-0.0046	-2.5 to 2.5	Pass
				30	3.85	8.433	0.0049	-2.5 to 2.5	Pass
	40	3.85	16.675	0.0097	-2.5 to 2.5	Pass			
	50	3.85	11.943	0.0070	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	5.447	0.0031	-2.5 to 2.5	Pass
					3.85	15.998	0.0092	-2.5 to 2.5	Pass
					4.43	22.632	0.0131	-2.5 to 2.5	Pass
				-30	3.85	13.191	0.0076	-2.5 to 2.5	Pass
				-20	3.85	19.729	0.0114	-2.5 to 2.5	Pass
				-10	3.85	13.701	0.0079	-2.5 to 2.5	Pass
				0	3.85	13.553	0.0078	-2.5 to 2.5	Pass
				10	3.85	9.313	0.0054	-2.5 to 2.5	Pass
				30	3.85	16.821	0.0097	-2.5 to 2.5	Pass
	40	3.85	20.532	0.0119	-2.5 to 2.5	Pass			
	50	3.85	9.264	0.0053	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	-0.802	-0.0005	-2.5 to 2.5	Pass
					3.85	22.571	0.0129	-2.5 to 2.5	Pass
					4.43	14.851	0.0085	-2.5 to 2.5	Pass
				-30	3.85	11.283	0.0064	-2.5 to 2.5	Pass
				-20	3.85	11.036	0.0063	-2.5 to 2.5	Pass
-10				3.85	14.147	0.0081	-2.5 to 2.5	Pass	
0				3.85	12.792	0.0073	-2.5 to 2.5	Pass	
10				3.85	22.634	0.0129	-2.5 to 2.5	Pass	
30				3.85	9.774	0.0056	-2.5 to 2.5	Pass	
40	3.85	18.124	0.0103	-2.5 to 2.5	Pass				
50	3.85	20.332	0.0116	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	14.857	0.0087	-2.5 to 2.5	Pass
					3.85	18.073	0.0106	-2.5 to 2.5	Pass
					4.43	7.731	0.0045	-2.5 to 2.5	Pass

				-30	3.85	15.721	0.0092	-2.5 to 2.5	Pass			
				-20	3.85	16.865	0.0099	-2.5 to 2.5	Pass			
				-10	3.85	13.327	0.0078	-2.5 to 2.5	Pass			
				0	3.85	17.021	0.0099	-2.5 to 2.5	Pass			
				10	3.85	17.619	0.0103	-2.5 to 2.5	Pass			
				30	3.85	15.267	0.0089	-2.5 to 2.5	Pass			
				40	3.85	13.404	0.0078	-2.5 to 2.5	Pass			
				50	3.85	18.726	0.0109	-2.5 to 2.5	Pass			
				1732.5	6	0	20	3.27	15.690	0.0091	-2.5 to 2.5	Pass
								3.85	18.878	0.0109	-2.5 to 2.5	Pass
	4.43	11.965	0.0069					-2.5 to 2.5	Pass			
	-30	3.85	8.537				0.0049	-2.5 to 2.5	Pass			
	-20	3.85	13.311				0.0077	-2.5 to 2.5	Pass			
	-10	3.85	11.719				0.0068	-2.5 to 2.5	Pass			
	0	3.85	8.866				0.0051	-2.5 to 2.5	Pass			
	10	3.85	14.572				0.0084	-2.5 to 2.5	Pass			
	30	3.85	10.340				0.0060	-2.5 to 2.5	Pass			
	40	3.85	22.468				0.0130	-2.5 to 2.5	Pass			
	50	3.85	10.725	0.0062	-2.5 to 2.5	Pass						
	1754.3	6	0	20	3.27	18.894	0.0108	-2.5 to 2.5	Pass			
					3.85	9.252	0.0053	-2.5 to 2.5	Pass			
					4.43	19.954	0.0114	-2.5 to 2.5	Pass			
				-30	3.85	12.810	0.0073	-2.5 to 2.5	Pass			
				-20	3.85	20.567	0.0117	-2.5 to 2.5	Pass			
				-10	3.85	21.436	0.0122	-2.5 to 2.5	Pass			
				0	3.85	11.097	0.0063	-2.5 to 2.5	Pass			
				10	3.85	21.913	0.0125	-2.5 to 2.5	Pass			
				30	3.85	7.924	0.0045	-2.5 to 2.5	Pass			
				40	3.85	15.724	0.0090	-2.5 to 2.5	Pass			
	50	3.85	20.748	0.0118	-2.5 to 2.5	Pass						

9.2 B4_3MHz

9.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-10.746	-0.0063	-2.5 to 2.5	Pass
					3.85	-8.459	-0.0049	-2.5 to 2.5	Pass
					4.43	-8.153	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	13.547	0.0079	-2.5 to 2.5	Pass
				-20	3.85	19.846	0.0116	-2.5 to 2.5	Pass
				-10	3.85	13.906	0.0081	-2.5 to 2.5	Pass
				0	3.85	16.760	0.0098	-2.5 to 2.5	Pass
				10	3.85	9.369	0.0055	-2.5 to 2.5	Pass
				30	3.85	18.618	0.0109	-2.5 to 2.5	Pass
				40	3.85	15.371	0.0090	-2.5 to 2.5	Pass
	50	3.85	10.227	0.0060	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.27	11.006	0.0064	-2.5 to 2.5	Pass
					3.85	12.306	0.0071	-2.5 to 2.5	Pass
					4.43	18.463	0.0107	-2.5 to 2.5	Pass
				-30	3.85	18.183	0.0105	-2.5 to 2.5	Pass
				-20	3.85	14.674	0.0085	-2.5 to 2.5	Pass
				-10	3.85	18.444	0.0106	-2.5 to 2.5	Pass
				0	3.85	8.078	0.0047	-2.5 to 2.5	Pass
				10	3.85	20.852	0.0120	-2.5 to 2.5	Pass

				30	3.85	16.739	0.0097	-2.5 to 2.5	Pass			
				40	3.85	9.832	0.0057	-2.5 to 2.5	Pass			
				50	3.85	19.501	0.0113	-2.5 to 2.5	Pass			
				20	3.27	-17.970	-0.0102	-2.5 to 2.5	Pass			
					3.85	20.926	0.0119	-2.5 to 2.5	Pass			
					4.43	13.802	0.0079	-2.5 to 2.5	Pass			
				-30	3.85	12.127	0.0069	-2.5 to 2.5	Pass			
				-20	3.85	19.088	0.0109	-2.5 to 2.5	Pass			
				-10	3.85	15.643	0.0089	-2.5 to 2.5	Pass			
				0	3.85	9.310	0.0053	-2.5 to 2.5	Pass			
				10	3.85	18.432	0.0105	-2.5 to 2.5	Pass			
				30	3.85	18.521	0.0106	-2.5 to 2.5	Pass			
				40	3.85	10.917	0.0062	-2.5 to 2.5	Pass			
				50	3.85	14.506	0.0083	-2.5 to 2.5	Pass			
				16QAM	1711.5	15	0	20	3.27	14.886	0.0087	-2.5 to 2.5
3.85	9.688	0.0057	-2.5 to 2.5						Pass			
4.43	21.519	0.0126	-2.5 to 2.5						Pass			
-30	3.85	22.698	0.0133					-2.5 to 2.5	Pass			
-20	3.85	16.545	0.0097					-2.5 to 2.5	Pass			
-10	3.85	20.685	0.0121					-2.5 to 2.5	Pass			
0	3.85	19.870	0.0116					-2.5 to 2.5	Pass			
10	3.85	13.343	0.0078					-2.5 to 2.5	Pass			
30	3.85	17.505	0.0102					-2.5 to 2.5	Pass			
40	3.85	14.032	0.0082					-2.5 to 2.5	Pass			
50	3.85	16.447	0.0096					-2.5 to 2.5	Pass			
1732.5	15	0	20					3.27	13.883	0.0080	-2.5 to 2.5	Pass
								3.85	8.082	0.0047	-2.5 to 2.5	Pass
								4.43	21.650	0.0125	-2.5 to 2.5	Pass
			-30					3.85	14.785	0.0085	-2.5 to 2.5	Pass
			-20		3.85	19.446	0.0112	-2.5 to 2.5	Pass			
			-10		3.85	16.179	0.0093	-2.5 to 2.5	Pass			
			0		3.85	10.408	0.0060	-2.5 to 2.5	Pass			
			10		3.85	19.382	0.0112	-2.5 to 2.5	Pass			
			30		3.85	-12.132	-0.0070	-2.5 to 2.5	Pass			
			40		3.85	1.366	0.0008	-2.5 to 2.5	Pass			
			50		3.85	22.238	0.0128	-2.5 to 2.5	Pass			
			1753.5		15	0	20	3.27	21.990	0.0125	-2.5 to 2.5	Pass
								3.85	22.550	0.0129	-2.5 to 2.5	Pass
								4.43	14.485	0.0083	-2.5 to 2.5	Pass
							-30	3.85	20.046	0.0114	-2.5 to 2.5	Pass
-20	3.85	18.688					0.0107	-2.5 to 2.5	Pass			
-10	3.85	16.305					0.0093	-2.5 to 2.5	Pass			
0	3.85	10.503					0.0060	-2.5 to 2.5	Pass			
10	3.85	17.705					0.0101	-2.5 to 2.5	Pass			
30	3.85	17.053		0.0097			-2.5 to 2.5	Pass				
40	3.85	18.240		0.0104			-2.5 to 2.5	Pass				
50	3.85	12.842		0.0073			-2.5 to 2.5	Pass				

9.3 B4_5MHz

9.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-17.080	-0.0100	-2.5 to 2.5	Pass
					3.85	13.881	0.0081	-2.5 to 2.5	Pass

16QAM					4.43	14.238	0.0083	-2.5 to 2.5	Pass
				-30	3.85	16.324	0.0095	-2.5 to 2.5	Pass
				-20	3.85	22.593	0.0132	-2.5 to 2.5	Pass
				-10	3.85	14.587	0.0085	-2.5 to 2.5	Pass
				0	3.85	20.214	0.0118	-2.5 to 2.5	Pass
				10	3.85	9.599	0.0056	-2.5 to 2.5	Pass
				30	3.85	14.454	0.0084	-2.5 to 2.5	Pass
				40	3.85	18.399	0.0107	-2.5 to 2.5	Pass
				50	3.85	7.440	0.0043	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-18.792	-0.0108	-2.5 to 2.5	Pass
					3.85	17.179	0.0099	-2.5 to 2.5	Pass
					4.43	19.451	0.0112	-2.5 to 2.5	Pass
				-30	3.85	-1.763	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-14.416	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	6.944	0.0040	-2.5 to 2.5	Pass
				0	3.85	17.011	0.0098	-2.5 to 2.5	Pass
				10	3.85	7.008	0.0040	-2.5 to 2.5	Pass
				30	3.85	-18.658	-0.0108	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-15.132	-0.0086	-2.5 to 2.5	Pass
					3.85	11.216	0.0064	-2.5 to 2.5	Pass
					4.43	17.753	0.0101	-2.5 to 2.5	Pass
				-30	3.85	7.603	0.0043	-2.5 to 2.5	Pass
				-20	3.85	22.313	0.0127	-2.5 to 2.5	Pass
				-10	3.85	16.372	0.0093	-2.5 to 2.5	Pass
				0	3.85	15.421	0.0088	-2.5 to 2.5	Pass
				10	3.85	17.763	0.0101	-2.5 to 2.5	Pass
				30	3.85	6.453	0.0037	-2.5 to 2.5	Pass
	1712.5	25	0	20	3.27	22.286	0.0130	-2.5 to 2.5	Pass
					3.85	-10.367	-0.0061	-2.5 to 2.5	Pass
					4.43	-8.182	-0.0048	-2.5 to 2.5	Pass
-30				3.85	-14.544	-0.0085	-2.5 to 2.5	Pass	
-20				3.85	-13.056	-0.0076	-2.5 to 2.5	Pass	
-10				3.85	-7.233	-0.0042	-2.5 to 2.5	Pass	
0				3.85	11.597	0.0068	-2.5 to 2.5	Pass	
10				3.85	18.148	0.0106	-2.5 to 2.5	Pass	
30				3.85	4.566	0.0027	-2.5 to 2.5	Pass	
1732.5		25	0	20	3.27	15.956	0.0092	-2.5 to 2.5	Pass
					3.85	-14.365	-0.0083	-2.5 to 2.5	Pass
					4.43	-13.756	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-23.427	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-21.398	-0.0124	-2.5 to 2.5	Pass
				-10	3.85	-20.487	-0.0118	-2.5 to 2.5	Pass
				0	3.85	-16.689	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-13.820	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-15.955	-0.0092	-2.5 to 2.5	Pass
1752.5	25	0	20	3.27	20.548	0.0117	-2.5 to 2.5	Pass	
				3.85	13.834	0.0079	-2.5 to 2.5	Pass	
				4.43	-20.725	-0.0118	-2.5 to 2.5	Pass	
			-30	3.85	-3.189	-0.0018	-2.5 to 2.5	Pass	
			-20	3.85	-15.536	-0.0089	-2.5 to 2.5	Pass	
			-10	3.85	5.860	0.0033	-2.5 to 2.5	Pass	
			0	3.85	6.709	0.0039	-2.5 to 2.5	Pass	
			10	3.85	-17.391	-0.0100	-2.5 to 2.5	Pass	
			30	3.85	-19.955	-0.0092	-2.5 to 2.5	Pass	

				0	3.85	14.741	0.0084	-2.5 to 2.5	Pass
				10	3.85	-11.063	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-6.185	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-8.727	-0.0050	-2.5 to 2.5	Pass
				50	3.85	15.693	0.0090	-2.5 to 2.5	Pass

9.4 B4_10MHz

9.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-17.837	-0.0104	-2.5 to 2.5	Pass
					3.85	11.881	0.0069	-2.5 to 2.5	Pass
					4.43	11.045	0.0064	-2.5 to 2.5	Pass
				-30	3.85	10.649	0.0062	-2.5 to 2.5	Pass
				-20	3.85	12.406	0.0072	-2.5 to 2.5	Pass
				-10	3.85	15.256	0.0089	-2.5 to 2.5	Pass
				0	3.85	15.037	0.0088	-2.5 to 2.5	Pass
				10	3.85	19.263	0.0112	-2.5 to 2.5	Pass
				30	3.85	8.679	0.0051	-2.5 to 2.5	Pass
				40	3.85	19.691	0.0115	-2.5 to 2.5	Pass
	50	3.85	17.591	0.0103	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.27	-20.786	-0.0120	-2.5 to 2.5	Pass
					3.85	-18.426	-0.0106	-2.5 to 2.5	Pass
					4.43	4.524	0.0026	-2.5 to 2.5	Pass
				-30	3.85	-11.644	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	17.001	0.0098	-2.5 to 2.5	Pass
				-10	3.85	18.073	0.0104	-2.5 to 2.5	Pass
				0	3.85	12.406	0.0072	-2.5 to 2.5	Pass
				10	3.85	15.583	0.0090	-2.5 to 2.5	Pass
				30	3.85	6.018	0.0035	-2.5 to 2.5	Pass
				40	3.85	-5.997	-0.0035	-2.5 to 2.5	Pass
	50	3.85	14.913	0.0086	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	-18.163	-0.0104	-2.5 to 2.5	Pass
					3.85	20.058	0.0115	-2.5 to 2.5	Pass
					4.43	9.976	0.0057	-2.5 to 2.5	Pass
				-30	3.85	11.047	0.0063	-2.5 to 2.5	Pass
				-20	3.85	21.065	0.0120	-2.5 to 2.5	Pass
				-10	3.85	23.840	0.0136	-2.5 to 2.5	Pass
				0	3.85	13.364	0.0076	-2.5 to 2.5	Pass
				10	3.85	-13.403	-0.0077	-2.5 to 2.5	Pass
30				3.85	13.310	0.0076	-2.5 to 2.5	Pass	
40				3.85	12.277	0.0070	-2.5 to 2.5	Pass	
50	3.85	8.555	0.0049	-2.5 to 2.5	Pass				
16QAM	1715	27	0	20	3.27	17.022	0.0099	-2.5 to 2.5	Pass
					3.85	-18.261	-0.0106	-2.5 to 2.5	Pass
					4.43	-9.689	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-11.550	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-16.333	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-14.388	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-8.136	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-20.789	-0.0121	-2.5 to 2.5	Pass
				30	3.85	12.584	0.0073	-2.5 to 2.5	Pass
				40	3.85	10.276	0.0060	-2.5 to 2.5	Pass
50	3.85	11.770	0.0069	-2.5 to 2.5	Pass				

	1732.5	27	0	20	3.27	-19.192	-0.0111	-2.5 to 2.5	Pass	
					3.85	-13.614	-0.0079	-2.5 to 2.5	Pass	
					4.43	-8.088	-0.0047	-2.5 to 2.5	Pass	
				-30	3.85	-4.150	-0.0024	-2.5 to 2.5	Pass	
					-20	3.85	-11.400	-0.0066	-2.5 to 2.5	Pass
						-10	3.85	-22.330	-0.0129	-2.5 to 2.5
				0	3.85	-20.294	-0.0117	-2.5 to 2.5	Pass	
					10	3.85	-7.655	-0.0044	-2.5 to 2.5	Pass
					30	3.85	-16.316	-0.0094	-2.5 to 2.5	Pass
	40	3.85	-14.217		-0.0082	-2.5 to 2.5	Pass			
	50	3.85	-20.765		-0.0120	-2.5 to 2.5	Pass			
	1750	27	23	20	3.27	23.026	0.0132	-2.5 to 2.5	Pass	
					3.85	-0.092	-0.0001	-2.5 to 2.5	Pass	
					4.43	-8.052	-0.0046	-2.5 to 2.5	Pass	
				-30	3.85	-18.121	-0.0104	-2.5 to 2.5	Pass	
					-20	3.85	-11.501	-0.0066	-2.5 to 2.5	Pass
						-10	3.85	-11.807	-0.0067	-2.5 to 2.5
				0	3.85	20.479	0.0117	-2.5 to 2.5	Pass	
					10	3.85	-19.285	-0.0110	-2.5 to 2.5	Pass
30					3.85	15.487	0.0088	-2.5 to 2.5	Pass	
40	3.85	-1.835	-0.0010		-2.5 to 2.5	Pass				
50	3.85	3.554	0.0020		-2.5 to 2.5	Pass				

9.5 B4_15MHz

9.5.1 Test Result

Band: 4 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1717.5	75	0	20	3.27	-17.869	-0.0104	-2.5 to 2.5	Pass	
					3.85	0.008	0.0000	-2.5 to 2.5	Pass	
					4.43	13.481	0.0078	-2.5 to 2.5	Pass	
				-30	3.85	14.893	0.0087	-2.5 to 2.5	Pass	
					-20	3.85	7.659	0.0045	-2.5 to 2.5	Pass
						-10	3.85	11.030	0.0064	-2.5 to 2.5
				0	3.85	12.259	0.0071	-2.5 to 2.5	Pass	
					10	3.85	15.275	0.0089	-2.5 to 2.5	Pass
					30	3.85	18.239	0.0106	-2.5 to 2.5	Pass
	40	3.85	16.621		0.0097	-2.5 to 2.5	Pass			
	50	3.85	13.333		0.0078	-2.5 to 2.5	Pass			
	1732.5	75	0	20	3.27	-18.185	-0.0105	-2.5 to 2.5	Pass	
					3.85	-4.789	-0.0028	-2.5 to 2.5	Pass	
					4.43	19.334	0.0112	-2.5 to 2.5	Pass	
				-30	3.85	10.132	0.0058	-2.5 to 2.5	Pass	
					-20	3.85	8.017	0.0046	-2.5 to 2.5	Pass
						-10	3.85	14.974	0.0086	-2.5 to 2.5
				0	3.85	12.877	0.0074	-2.5 to 2.5	Pass	
					10	3.85	19.758	0.0114	-2.5 to 2.5	Pass
					30	3.85	21.836	0.0126	-2.5 to 2.5	Pass
	40	3.85	7.817		0.0045	-2.5 to 2.5	Pass			
	50	3.85	10.867		0.0063	-2.5 to 2.5	Pass			
	1747.5	75	0	20	3.27	-17.932	-0.0103	-2.5 to 2.5	Pass	
					3.85	-20.228	-0.0116	-2.5 to 2.5	Pass	
					4.43	-15.154	-0.0087	-2.5 to 2.5	Pass	
				-30	3.85	-20.490	-0.0117	-2.5 to 2.5	Pass	
					-20	3.85	-20.990	-0.0120	-2.5 to 2.5	Pass

				-10	3.85	-13.009	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-11.468	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-11.057	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-17.712	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-19.733	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-13.324	-0.0076	-2.5 to 2.5	Pass
16QAM	1717.5	27	0	20	3.27	14.855	0.0086	-2.5 to 2.5	Pass
					3.85	19.856	0.0116	-2.5 to 2.5	Pass
					4.43	21.953	0.0128	-2.5 to 2.5	Pass
				-30	3.85	11.659	0.0068	-2.5 to 2.5	Pass
				-20	3.85	17.344	0.0101	-2.5 to 2.5	Pass
				-10	3.85	18.345	0.0107	-2.5 to 2.5	Pass
				0	3.85	18.029	0.0105	-2.5 to 2.5	Pass
				10	3.85	13.730	0.0080	-2.5 to 2.5	Pass
				30	3.85	11.004	0.0064	-2.5 to 2.5	Pass
				40	3.85	22.342	0.0130	-2.5 to 2.5	Pass
	50	3.85	11.378	0.0066	-2.5 to 2.5	Pass			
	1732.5	27	0	20	3.27	17.853	0.0103	-2.5 to 2.5	Pass
					3.85	17.457	0.0101	-2.5 to 2.5	Pass
					4.43	14.962	0.0086	-2.5 to 2.5	Pass
				-30	3.85	18.463	0.0107	-2.5 to 2.5	Pass
				-20	3.85	22.351	0.0129	-2.5 to 2.5	Pass
				-10	3.85	16.683	0.0096	-2.5 to 2.5	Pass
				0	3.85	21.528	0.0124	-2.5 to 2.5	Pass
				10	3.85	13.835	0.0080	-2.5 to 2.5	Pass
				30	3.85	18.092	0.0104	-2.5 to 2.5	Pass
				40	3.85	17.952	0.0104	-2.5 to 2.5	Pass
	50	3.85	13.888	0.0080	-2.5 to 2.5	Pass			
	1747.5	27	48	20	3.27	-9.601	-0.0055	-2.5 to 2.5	Pass
					3.85	5.896	0.0034	-2.5 to 2.5	Pass
					4.43	15.671	0.0090	-2.5 to 2.5	Pass
				-30	3.85	16.928	0.0097	-2.5 to 2.5	Pass
				-20	3.85	15.841	0.0091	-2.5 to 2.5	Pass
				-10	3.85	15.769	0.0090	-2.5 to 2.5	Pass
				0	3.85	7.594	0.0043	-2.5 to 2.5	Pass
				10	3.85	15.480	0.0089	-2.5 to 2.5	Pass
30				3.85	22.492	0.0129	-2.5 to 2.5	Pass	
40				3.85	12.715	0.0073	-2.5 to 2.5	Pass	
50	3.85	11.512	0.0066	-2.5 to 2.5	Pass				

9.6 B4_20MHz

9.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-19.193	-0.0112	-2.5 to 2.5	Pass
					3.85	-17.108	-0.0099	-2.5 to 2.5	Pass
					4.43	-17.597	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-13.878	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-18.934	-0.0110	-2.5 to 2.5	Pass
				-10	3.85	-16.072	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-15.326	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-13.662	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-18.315	-0.0106	-2.5 to 2.5	Pass
				40	3.85	-8.077	-0.0047	-2.5 to 2.5	Pass

	1732.5	100	0	50	3.85	-20.591	-0.0120	-2.5 to 2.5	Pass
				20	3.27	-19.036	-0.0110	-2.5 to 2.5	Pass
					3.85	-19.702	-0.0114	-2.5 to 2.5	Pass
					4.43	-15.671	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-20.842	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-18.141	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-23.123	-0.0133	-2.5 to 2.5	Pass
				0	3.85	-5.911	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-3.536	-0.0020	-2.5 to 2.5	Pass
				30	3.85	14.349	0.0083	-2.5 to 2.5	Pass
	40	3.85	22.907	0.0132	-2.5 to 2.5	Pass			
	50	3.85	21.405	0.0124	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-19.925	-0.0114	-2.5 to 2.5	Pass
					3.85	-17.311	-0.0099	-2.5 to 2.5	Pass
					4.43	-21.674	-0.0124	-2.5 to 2.5	Pass
				-30	3.85	-18.444	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-13.046	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-13.342	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-12.470	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-19.644	-0.0113	-2.5 to 2.5	Pass
30				3.85	-17.256	-0.0099	-2.5 to 2.5	Pass	
40				3.85	-13.782	-0.0079	-2.5 to 2.5	Pass	
50	3.85	-10.066	-0.0058	-2.5 to 2.5	Pass				
16QAM	1720	27	0	20	3.27	-14.814	-0.0086	-2.5 to 2.5	Pass
					3.85	3.313	0.0019	-2.5 to 2.5	Pass
					4.43	3.571	0.0021	-2.5 to 2.5	Pass
				-30	3.85	17.165	0.0100	-2.5 to 2.5	Pass
				-20	3.85	18.147	0.0106	-2.5 to 2.5	Pass
				-10	3.85	23.933	0.0139	-2.5 to 2.5	Pass
				0	3.85	13.346	0.0078	-2.5 to 2.5	Pass
				10	3.85	19.393	0.0113	-2.5 to 2.5	Pass
				30	3.85	13.185	0.0077	-2.5 to 2.5	Pass
				40	3.85	18.441	0.0107	-2.5 to 2.5	Pass
	50	3.85	12.762	0.0074	-2.5 to 2.5	Pass			
	1732.5	27	0	20	3.27	19.750	0.0114	-2.5 to 2.5	Pass
					3.85	10.347	0.0060	-2.5 to 2.5	Pass
					4.43	10.320	0.0060	-2.5 to 2.5	Pass
				-30	3.85	9.861	0.0057	-2.5 to 2.5	Pass
				-20	3.85	8.739	0.0050	-2.5 to 2.5	Pass
				-10	3.85	8.952	0.0052	-2.5 to 2.5	Pass
				0	3.85	17.067	0.0099	-2.5 to 2.5	Pass
				10	3.85	9.845	0.0057	-2.5 to 2.5	Pass
				30	3.85	21.605	0.0125	-2.5 to 2.5	Pass
40				3.85	14.329	0.0083	-2.5 to 2.5	Pass	
50	3.85	14.785	0.0085	-2.5 to 2.5	Pass				
1745	27	73	20	3.27	-21.949	-0.0126	-2.5 to 2.5	Pass	
				3.85	-21.573	-0.0124	-2.5 to 2.5	Pass	
				4.43	-14.071	-0.0081	-2.5 to 2.5	Pass	
			-30	3.85	-22.273	-0.0128	-2.5 to 2.5	Pass	
			-20	3.85	-5.260	-0.0030	-2.5 to 2.5	Pass	
			-10	3.85	-8.651	-0.0050	-2.5 to 2.5	Pass	
			0	3.85	0.137	0.0001	-2.5 to 2.5	Pass	
			10	3.85	13.263	0.0076	-2.5 to 2.5	Pass	
			30	3.85	12.944	0.0074	-2.5 to 2.5	Pass	
			40	3.85	8.726	0.0050	-2.5 to 2.5	Pass	
50	3.85	18.667	0.0107	-2.5 to 2.5	Pass				

10. Frequency Stability

10.1 B41_5MHz

10.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.27	-10.868	-0.0043	-2.5 to 2.5	Pass
					3.85	-19.451	-0.0078	-2.5 to 2.5	Pass
					4.43	-20.705	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-22.362	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-25.499	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-26.822	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-19.500	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-25.175	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-13.790	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-34.303	-0.0137	-2.5 to 2.5	Pass
	50	3.85	-30.665	-0.0123	-2.5 to 2.5	Pass			
	2593	25	0	20	3.27	15.615	0.0060	-2.5 to 2.5	Pass
					3.85	7.587	0.0029	-2.5 to 2.5	Pass
					4.43	20.729	0.0080	-2.5 to 2.5	Pass
				-30	3.85	15.088	0.0058	-2.5 to 2.5	Pass
				-20	3.85	17.604	0.0068	-2.5 to 2.5	Pass
				-10	3.85	15.458	0.0060	-2.5 to 2.5	Pass
				0	3.85	4.572	0.0018	-2.5 to 2.5	Pass
				10	3.85	5.078	0.0020	-2.5 to 2.5	Pass
				30	3.85	15.877	0.0061	-2.5 to 2.5	Pass
				40	3.85	21.898	0.0084	-2.5 to 2.5	Pass
	50	3.85	-11.623	-0.0045	-2.5 to 2.5	Pass			
	2687.5	25	0	20	3.27	17.371	0.0065	-2.5 to 2.5	Pass
					3.85	19.392	0.0072	-2.5 to 2.5	Pass
					4.43	6.194	0.0023	-2.5 to 2.5	Pass
				-30	3.85	14.706	0.0055	-2.5 to 2.5	Pass
				-20	3.85	4.361	0.0016	-2.5 to 2.5	Pass
				-10	3.85	22.513	0.0084	-2.5 to 2.5	Pass
				0	3.85	-19.381	-0.0072	-2.5 to 2.5	Pass
				10	3.85	6.098	0.0023	-2.5 to 2.5	Pass
30				3.85	8.917	0.0033	-2.5 to 2.5	Pass	
40				3.85	3.985	0.0015	-2.5 to 2.5	Pass	
50	3.85	-5.309	-0.0020	-2.5 to 2.5	Pass				
16QAM	2498.5	25	0	20	3.27	-20.174	-0.0081	-2.5 to 2.5	Pass
					3.85	10.003	0.0040	-2.5 to 2.5	Pass
					4.43	-10.050	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-10.929	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-23.386	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-2.120	-0.0008	-2.5 to 2.5	Pass
				0	3.85	20.628	0.0083	-2.5 to 2.5	Pass
				10	3.85	18.031	0.0072	-2.5 to 2.5	Pass
				30	3.85	12.035	0.0048	-2.5 to 2.5	Pass
				40	3.85	-5.141	-0.0021	-2.5 to 2.5	Pass
	50	3.85	9.199	0.0037	-2.5 to 2.5	Pass			
	2593	25	0	20	3.27	9.793	0.0038	-2.5 to 2.5	Pass
					3.85	4.696	0.0018	-2.5 to 2.5	Pass
					4.43	0.016	0.0000	-2.5 to 2.5	Pass
-30				3.85	8.978	0.0035	-2.5 to 2.5	Pass	
-20	3.85	3.368	0.0013	-2.5 to 2.5	Pass				

				-10	3.85	15.898	0.0061	-2.5 to 2.5	Pass
				0	3.85	-3.109	-0.0012	-2.5 to 2.5	Pass
				10	3.85	2.918	0.0011	-2.5 to 2.5	Pass
				30	3.85	3.070	0.0012	-2.5 to 2.5	Pass
				40	3.85	5.593	0.0022	-2.5 to 2.5	Pass
	50	3.85	6.165	0.0024	-2.5 to 2.5	Pass			
	2687.5	25	0	20	3.27	-12.090	-0.0045	-2.5 to 2.5	Pass
					3.85	2.423	0.0009	-2.5 to 2.5	Pass
					4.43	5.785	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-17.006	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-12.714	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-0.322	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.696	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-20.505	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-14.174	-0.0053	-2.5 to 2.5	Pass
				40	3.85	0.830	0.0003	-2.5 to 2.5	Pass
				50	3.85	23.842	0.0089	-2.5 to 2.5	Pass

10.2 B41_10MHz

10.2.1 Test Result

Band: 41 / Bandwidth: 10MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	2501	50	0	20	3.27	-17.999	-0.0072	-2.5 to 2.5	Pass			
					3.85	-27.743	-0.0111	-2.5 to 2.5	Pass			
					4.43	-26.073	-0.0104	-2.5 to 2.5	Pass			
				-30	3.85	-23.101	-0.0092	-2.5 to 2.5	Pass			
				-20	3.85	-18.854	-0.0075	-2.5 to 2.5	Pass			
				-10	3.85	-18.966	-0.0076	-2.5 to 2.5	Pass			
				0	3.85	-17.512	-0.0070	-2.5 to 2.5	Pass			
				10	3.85	-19.548	-0.0078	-2.5 to 2.5	Pass			
				30	3.85	-27.368	-0.0109	-2.5 to 2.5	Pass			
				40	3.85	-17.789	-0.0071	-2.5 to 2.5	Pass			
				50	3.85	-24.086	-0.0096	-2.5 to 2.5	Pass			
				2593	50	0	20	3.27	15.837	0.0061	-2.5 to 2.5	Pass
								3.85	9.198	0.0035	-2.5 to 2.5	Pass
								4.43	0.156	0.0001	-2.5 to 2.5	Pass
							-30	3.85	15.499	0.0060	-2.5 to 2.5	Pass
	-20	3.85	16.445				0.0063	-2.5 to 2.5	Pass			
	-10	3.85	18.739				0.0072	-2.5 to 2.5	Pass			
	0	3.85	11.409				0.0044	-2.5 to 2.5	Pass			
	10	3.85	2.416				0.0009	-2.5 to 2.5	Pass			
	30	3.85	2.707				0.0010	-2.5 to 2.5	Pass			
	40	3.85	4.473				0.0017	-2.5 to 2.5	Pass			
	50	3.85	11.550				0.0045	-2.5 to 2.5	Pass			
	2685	50	0				20	3.27	18.844	0.0070	-2.5 to 2.5	Pass
								3.85	-8.649	-0.0032	-2.5 to 2.5	Pass
								4.43	-10.690	-0.0040	-2.5 to 2.5	Pass
							-30	3.85	-13.734	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-8.669	-0.0032	-2.5 to 2.5	Pass			
				-10	3.85	-17.271	-0.0064	-2.5 to 2.5	Pass			
				0	3.85	15.055	0.0056	-2.5 to 2.5	Pass			
				10	3.85	11.772	0.0044	-2.5 to 2.5	Pass			
30				3.85	11.575	0.0043	-2.5 to 2.5	Pass				
40				3.85	24.632	0.0092	-2.5 to 2.5	Pass				

16QAM	2501	27	0	50	3.85	13.680	0.0051	-2.5 to 2.5	Pass
				20	3.27	-18.594	-0.0074	-2.5 to 2.5	Pass
					3.85	17.399	0.0070	-2.5 to 2.5	Pass
				20	4.43	18.080	0.0072	-2.5 to 2.5	Pass
					-30	3.85	20.108	0.0080	-2.5 to 2.5
				-20	3.85	3.996	0.0016	-2.5 to 2.5	Pass
				-10	3.85	15.132	0.0061	-2.5 to 2.5	Pass
				0	3.85	4.730	0.0019	-2.5 to 2.5	Pass
				10	3.85	6.811	0.0027	-2.5 to 2.5	Pass
				30	3.85	24.061	0.0096	-2.5 to 2.5	Pass
	40	3.85	21.351	0.0085	-2.5 to 2.5	Pass			
	50	3.85	11.595	0.0046	-2.5 to 2.5	Pass			
	2593	27	0	20	3.27	-4.629	-0.0018	-2.5 to 2.5	Pass
					3.85	6.465	0.0025	-2.5 to 2.5	Pass
				20	4.43	8.788	0.0034	-2.5 to 2.5	Pass
					-30	3.85	10.951	0.0042	-2.5 to 2.5
				-20	3.85	7.251	0.0028	-2.5 to 2.5	Pass
				-10	3.85	8.837	0.0034	-2.5 to 2.5	Pass
				0	3.85	4.205	0.0016	-2.5 to 2.5	Pass
				10	3.85	20.599	0.0079	-2.5 to 2.5	Pass
				30	3.85	9.796	0.0038	-2.5 to 2.5	Pass
				40	3.85	-7.291	-0.0028	-2.5 to 2.5	Pass
	50	3.85	8.748	0.0034	-2.5 to 2.5	Pass			
	2685	27	23	20	3.27	9.845	0.0037	-2.5 to 2.5	Pass
					3.85	21.729	0.0081	-2.5 to 2.5	Pass
				20	4.43	11.851	0.0044	-2.5 to 2.5	Pass
					-30	3.85	12.770	0.0048	-2.5 to 2.5
				-20	3.85	10.715	0.0040	-2.5 to 2.5	Pass
				-10	3.85	3.423	0.0013	-2.5 to 2.5	Pass
				0	3.85	20.244	0.0075	-2.5 to 2.5	Pass
10				3.85	5.813	0.0022	-2.5 to 2.5	Pass	
30				3.85	22.160	0.0083	-2.5 to 2.5	Pass	
40				3.85	2.608	0.0010	-2.5 to 2.5	Pass	
50	3.85	3.772	0.0014	-2.5 to 2.5	Pass				

10.3 B41_15MHz

10.3.1 Test Result

Band: 41 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2503.5	75	0	20	3.27	-29.021	-0.0116	-2.5 to 2.5	Pass	
					3.85	-31.455	-0.0126	-2.5 to 2.5	Pass	
					4.43	-24.883	-0.0099	-2.5 to 2.5	Pass	
				-30	3.85	-20.561	-0.0082	-2.5 to 2.5	Pass	
				-20	3.85	-18.961	-0.0076	-2.5 to 2.5	Pass	
				-10	3.85	-22.624	-0.0090	-2.5 to 2.5	Pass	
				0	3.85	-21.954	-0.0088	-2.5 to 2.5	Pass	
				10	3.85	-25.290	-0.0101	-2.5 to 2.5	Pass	
				30	3.85	-22.779	-0.0091	-2.5 to 2.5	Pass	
				40	3.85	-28.575	-0.0114	-2.5 to 2.5	Pass	
	50	3.85	-20.720	-0.0083	-2.5 to 2.5	Pass				
	2593	75	0	0	20	3.27	-27.564	-0.0106	-2.5 to 2.5	Pass
						3.85	-24.194	-0.0093	-2.5 to 2.5	Pass
						4.43	-21.785	-0.0084	-2.5 to 2.5	Pass
-30					3.85	-23.091	-0.0089	-2.5 to 2.5	Pass	

				-20	3.85	-25.170	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-18.603	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-18.453	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-18.566	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-13.371	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-25.181	-0.0097	-2.5 to 2.5	Pass
	50	3.85	-18.706	-0.0072	-2.5 to 2.5	Pass			
	2682.5	75	0	20	3.27	-23.211	-0.0087	-2.5 to 2.5	Pass
					3.85	-26.400	-0.0098	-2.5 to 2.5	Pass
					4.43	-21.884	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-22.321	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-23.935	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-22.213	-0.0083	-2.5 to 2.5	Pass
		0	3.85	-19.115	-0.0071	-2.5 to 2.5	Pass		
		10	3.85	-18.991	-0.0071	-2.5 to 2.5	Pass		
		30	3.85	-23.601	-0.0088	-2.5 to 2.5	Pass		
		40	3.85	-18.537	-0.0069	-2.5 to 2.5	Pass		
		50	3.85	-21.362	-0.0080	-2.5 to 2.5	Pass		
16QAM		2503.5	27	0	20	3.27	-13.909	-0.0056	-2.5 to 2.5
	3.85					-16.950	-0.0068	-2.5 to 2.5	Pass
	4.43					-26.330	-0.0105	-2.5 to 2.5	Pass
	-30				3.85	-14.103	-0.0056	-2.5 to 2.5	Pass
	-20				3.85	-9.842	-0.0039	-2.5 to 2.5	Pass
	-10				3.85	-25.746	-0.0103	-2.5 to 2.5	Pass
	0				3.85	-16.494	-0.0066	-2.5 to 2.5	Pass
	10				3.85	-23.441	-0.0094	-2.5 to 2.5	Pass
	30				3.85	-14.720	-0.0059	-2.5 to 2.5	Pass
	40	3.85	-29.272	-0.0117	-2.5 to 2.5	Pass			
	50	3.85	-7.416	-0.0030	-2.5 to 2.5	Pass			
	2593	27	0	20	3.27	-11.694	-0.0045	-2.5 to 2.5	Pass
					3.85	-20.889	-0.0081	-2.5 to 2.5	Pass
					4.43	-25.217	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-13.348	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-17.464	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-22.882	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-6.103	-0.0024	-2.5 to 2.5	Pass
10				3.85	-23.068	-0.0089	-2.5 to 2.5	Pass	
30				3.85	-15.806	-0.0061	-2.5 to 2.5	Pass	
40	3.85	-10.082	-0.0039	-2.5 to 2.5	Pass				
50	3.85	-24.572	-0.0095	-2.5 to 2.5	Pass				
2682.5	27	48	20	3.27	-12.936	-0.0048	-2.5 to 2.5	Pass	
				3.85	-23.477	-0.0088	-2.5 to 2.5	Pass	
				4.43	-11.584	-0.0043	-2.5 to 2.5	Pass	
			-30	3.85	-9.330	-0.0035	-2.5 to 2.5	Pass	
			-20	3.85	-19.860	-0.0074	-2.5 to 2.5	Pass	
			-10	3.85	-14.901	-0.0056	-2.5 to 2.5	Pass	
			0	3.85	-15.078	-0.0056	-2.5 to 2.5	Pass	
			10	3.85	-28.957	-0.0108	-2.5 to 2.5	Pass	
			30	3.85	-14.761	-0.0055	-2.5 to 2.5	Pass	
40	3.85	-18.005	-0.0067	-2.5 to 2.5	Pass				
50	3.85	-27.084	-0.0101	-2.5 to 2.5	Pass				

10.4 B41_20MHz

10.4.1 Test Result

Band: 41 / Bandwidth: 20MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.27	-30.187	-0.0120	-2.5 to 2.5	Pass
					3.85	-27.164	-0.0108	-2.5 to 2.5	Pass
					4.43	-25.456	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-21.254	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-22.378	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-20.371	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-22.657	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-22.503	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-17.218	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-25.429	-0.0101	-2.5 to 2.5	Pass
	50	3.85	-20.107	-0.0080	-2.5 to 2.5	Pass			
	2593	100	0	20	3.27	-25.654	-0.0099	-2.5 to 2.5	Pass
					3.85	-23.404	-0.0090	-2.5 to 2.5	Pass
					4.43	-23.027	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-21.509	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-22.747	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-24.880	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-21.649	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-20.139	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-23.852	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-17.352	-0.0067	-2.5 to 2.5	Pass
	50	3.85	-12.908	-0.0050	-2.5 to 2.5	Pass			
	2680	100	0	20	3.27	-22.511	-0.0084	-2.5 to 2.5	Pass
					3.85	-24.853	-0.0093	-2.5 to 2.5	Pass
					4.43	-23.596	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-22.731	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-16.885	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-19.348	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-20.960	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-18.912	-0.0071	-2.5 to 2.5	Pass
30				3.85	-23.597	-0.0088	-2.5 to 2.5	Pass	
40				3.85	-20.933	-0.0078	-2.5 to 2.5	Pass	
50	3.85	-10.384	-0.0039	-2.5 to 2.5	Pass				
16QAM	2506	27	0	20	3.27	-20.259	-0.0081	-2.5 to 2.5	Pass
					3.85	-13.843	-0.0055	-2.5 to 2.5	Pass
					4.43	-13.535	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-24.577	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-29.472	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-22.536	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-11.197	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-8.525	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-27.224	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-15.852	-0.0063	-2.5 to 2.5	Pass
	50	3.85	-15.347	-0.0061	-2.5 to 2.5	Pass			
	2593	27	0	20	3.27	-13.095	-0.0051	-2.5 to 2.5	Pass
					3.85	-27.401	-0.0106	-2.5 to 2.5	Pass
					4.43	-20.405	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-14.651	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-12.722	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-29.286	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-13.674	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-6.112	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-11.161	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-25.195	-0.0097	-2.5 to 2.5	Pass
	50	3.85	-15.368	-0.0059	-2.5 to 2.5	Pass			
2680	27	73	20	3.27	-27.134	-0.0101	-2.5 to 2.5	Pass	
				3.85	-23.846	-0.0089	-2.5 to 2.5	Pass	

				4.43	-22.453	-0.0084	-2.5 to 2.5	Pass	
				-30	3.85	-15.189	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-7.769	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-27.773	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-16.139	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-13.452	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-13.345	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-18.190	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-22.030	-0.0082	-2.5 to 2.5	Pass

11. Frequency Stability

11.1 B5_1.4MHz

11.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	-7.041	-0.0085	-2.5 to 2.5	Pass
					3.85	18.731	0.0227	-2.5 to 2.5	Pass
					4.43	23.807	0.0289	-2.5 to 2.5	Pass
				-30	3.85	14.769	0.0179	-2.5 to 2.5	Pass
				-20	3.85	21.099	0.0256	-2.5 to 2.5	Pass
				-10	3.85	1.024	0.0012	-2.5 to 2.5	Pass
				0	3.85	20.322	0.0246	-2.5 to 2.5	Pass
				10	3.85	8.354	0.0101	-2.5 to 2.5	Pass
				30	3.85	6.239	0.0076	-2.5 to 2.5	Pass
	40	3.85	21.089	0.0256	-2.5 to 2.5	Pass			
	50	3.85	7.247	0.0088	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.27	-5.772	-0.0069	-2.5 to 2.5	Pass
					3.85	-17.301	-0.0207	-2.5 to 2.5	Pass
					4.43	-16.389	-0.0196	-2.5 to 2.5	Pass
				-30	3.85	-11.421	-0.0137	-2.5 to 2.5	Pass
				-20	3.85	-11.648	-0.0139	-2.5 to 2.5	Pass
				-10	3.85	-14.971	-0.0179	-2.5 to 2.5	Pass
				0	3.85	-19.544	-0.0234	-2.5 to 2.5	Pass
				10	3.85	-25.093	-0.0300	-2.5 to 2.5	Pass
				30	3.85	-13.430	-0.0161	-2.5 to 2.5	Pass
	40	3.85	-26.859	-0.0321	-2.5 to 2.5	Pass			
	50	3.85	-10.581	-0.0126	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.27	-16.272	-0.0192	-2.5 to 2.5	Pass
					3.85	16.834	0.0198	-2.5 to 2.5	Pass
					4.43	21.213	0.0250	-2.5 to 2.5	Pass
				-30	3.85	13.319	0.0157	-2.5 to 2.5	Pass
				-20	3.85	4.996	0.0059	-2.5 to 2.5	Pass
-10				3.85	6.020	0.0071	-2.5 to 2.5	Pass	
0				3.85	20.384	0.0240	-2.5 to 2.5	Pass	
10				3.85	8.073	0.0095	-2.5 to 2.5	Pass	
30				3.85	22.767	0.0268	-2.5 to 2.5	Pass	
40	3.85	24.661	0.0291	-2.5 to 2.5	Pass				
50	3.85	14.019	0.0165	-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	3.27	14.536	0.0176	-2.5 to 2.5	Pass
					3.85	22.405	0.0272	-2.5 to 2.5	Pass
					4.43	4.948	0.0060	-2.5 to 2.5	Pass
				-30	3.85	7.609	0.0092	-2.5 to 2.5	Pass

	836.5	6	0	-20	3.85	-13.397	-0.0162	-2.5 to 2.5	Pass
				-10	3.85	-25.975	-0.0315	-2.5 to 2.5	Pass
				0	3.85	2.652	0.0032	-2.5 to 2.5	Pass
				10	3.85	-3.431	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-4.770	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-10.030	-0.0122	-2.5 to 2.5	Pass
				50	3.85	-4.465	-0.0054	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-20.335	-0.0243	-2.5 to 2.5	Pass
					3.85	-13.935	-0.0167	-2.5 to 2.5	Pass
					4.43	-4.839	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-15.092	-0.0180	-2.5 to 2.5	Pass
				-20	3.85	-4.054	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-23.944	-0.0286	-2.5 to 2.5	Pass
				0	3.85	-16.098	-0.0192	-2.5 to 2.5	Pass
				10	3.85	-19.537	-0.0234	-2.5 to 2.5	Pass
				30	3.85	-25.335	-0.0303	-2.5 to 2.5	Pass
				40	3.85	-22.936	-0.0274	-2.5 to 2.5	Pass
	50	3.85	-20.126	-0.0241	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.27	22.043	0.0260	-2.5 to 2.5	Pass
					3.85	16.592	0.0196	-2.5 to 2.5	Pass
					4.43	27.918	0.0329	-2.5 to 2.5	Pass
				-30	3.85	12.906	0.0152	-2.5 to 2.5	Pass
				-20	3.85	14.997	0.0177	-2.5 to 2.5	Pass
				-10	3.85	9.490	0.0112	-2.5 to 2.5	Pass
				0	3.85	4.395	0.0052	-2.5 to 2.5	Pass
				10	3.85	12.443	0.0147	-2.5 to 2.5	Pass
				30	3.85	8.461	0.0100	-2.5 to 2.5	Pass
40				3.85	12.685	0.0150	-2.5 to 2.5	Pass	
50	3.85	-0.388	-0.0005	-2.5 to 2.5	Pass				

11.2 B5_3MHz

11.2.1 Test Result

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	-23.054	-0.0279	-2.5 to 2.5	Pass
					3.85	10.430	0.0126	-2.5 to 2.5	Pass
					4.43	21.956	0.0266	-2.5 to 2.5	Pass
				-30	3.85	11.952	0.0145	-2.5 to 2.5	Pass
				-20	3.85	23.476	0.0284	-2.5 to 2.5	Pass
				-10	3.85	15.088	0.0183	-2.5 to 2.5	Pass
				0	3.85	7.580	0.0092	-2.5 to 2.5	Pass
				10	3.85	11.324	0.0137	-2.5 to 2.5	Pass
				30	3.85	17.571	0.0213	-2.5 to 2.5	Pass
				40	3.85	24.886	0.0301	-2.5 to 2.5	Pass
	50	3.85	12.071	0.0146	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	-24.352	-0.0291	-2.5 to 2.5	Pass
					3.85	-10.542	-0.0126	-2.5 to 2.5	Pass
					4.43	-24.584	-0.0294	-2.5 to 2.5	Pass
				-30	3.85	-26.048	-0.0311	-2.5 to 2.5	Pass
				-20	3.85	-19.852	-0.0237	-2.5 to 2.5	Pass
				-10	3.85	-6.447	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-20.327	-0.0243	-2.5 to 2.5	Pass
				10	3.85	-12.055	-0.0144	-2.5 to 2.5	Pass
				30	3.85	-25.900	-0.0310	-2.5 to 2.5	Pass

	847.5	15	0	40	3.85	-4.025	-0.0048	-2.5 to 2.5	Pass				
				50	3.85	-5.731	-0.0069	-2.5 to 2.5	Pass				
				20	3.27	-26.885	-0.0317	-2.5 to 2.5	Pass				
					3.85	19.956	0.0235	-2.5 to 2.5	Pass				
					4.43	12.034	0.0142	-2.5 to 2.5	Pass				
				-30	3.85	10.651	0.0126	-2.5 to 2.5	Pass				
				-20	3.85	17.754	0.0209	-2.5 to 2.5	Pass				
				-10	3.85	13.496	0.0159	-2.5 to 2.5	Pass				
				0	3.85	20.023	0.0236	-2.5 to 2.5	Pass				
				10	3.85	10.653	0.0126	-2.5 to 2.5	Pass				
				30	3.85	12.174	0.0144	-2.5 to 2.5	Pass				
				40	3.85	8.585	0.0101	-2.5 to 2.5	Pass				
				50	3.85	16.237	0.0192	-2.5 to 2.5	Pass				
				16QAM	825.5	15	0	20	3.27	5.210	0.0063	-2.5 to 2.5	Pass
									3.85	21.750	0.0263	-2.5 to 2.5	Pass
4.43	12.724	0.0154	-2.5 to 2.5						Pass				
-30	3.85	22.250	0.0270					-2.5 to 2.5	Pass				
-20	3.85	4.458	0.0054					-2.5 to 2.5	Pass				
-10	3.85	11.381	0.0138					-2.5 to 2.5	Pass				
0	3.85	18.778	0.0227					-2.5 to 2.5	Pass				
10	3.85	20.959	0.0254					-2.5 to 2.5	Pass				
30	3.85	15.976	0.0194					-2.5 to 2.5	Pass				
40	3.85	-3.785	-0.0046					-2.5 to 2.5	Pass				
50	3.85	-3.590	-0.0043					-2.5 to 2.5	Pass				
836.5	15	0	20					3.27	-22.684	-0.0271	-2.5 to 2.5	Pass	
								3.85	-18.176	-0.0217	-2.5 to 2.5	Pass	
								4.43	-22.520	-0.0269	-2.5 to 2.5	Pass	
			-30					3.85	-25.954	-0.0310	-2.5 to 2.5	Pass	
			-20		3.85	-23.902	-0.0286	-2.5 to 2.5	Pass				
			-10		3.85	-8.922	-0.0107	-2.5 to 2.5	Pass				
			0		3.85	-9.138	-0.0109	-2.5 to 2.5	Pass				
			10		3.85	-19.425	-0.0232	-2.5 to 2.5	Pass				
			30		3.85	-19.008	-0.0227	-2.5 to 2.5	Pass				
			40		3.85	-24.468	-0.0293	-2.5 to 2.5	Pass				
			50		3.85	-10.067	-0.0120	-2.5 to 2.5	Pass				
			847.5		15	0	20	3.27	9.802	0.0116	-2.5 to 2.5	Pass	
								3.85	4.146	0.0049	-2.5 to 2.5	Pass	
								4.43	-8.381	-0.0099	-2.5 to 2.5	Pass	
							-30	3.85	-11.171	-0.0132	-2.5 to 2.5	Pass	
-20	3.85	-5.957					-0.0070	-2.5 to 2.5	Pass				
-10	3.85	-20.550					-0.0242	-2.5 to 2.5	Pass				
0	3.85	13.533					0.0160	-2.5 to 2.5	Pass				
10	3.85	4.989					0.0059	-2.5 to 2.5	Pass				
30	3.85	21.658		0.0256			-2.5 to 2.5	Pass					
40	3.85	2.522		0.0030			-2.5 to 2.5	Pass					
50	3.85	9.474		0.0112			-2.5 to 2.5	Pass					

11.3 B5_5MHz

11.3.1 Test Result

Band: 5 / Bandwidth: 5MHz											
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict		
		Size	Offset				Result	Limit			
QPSK	826.5	25	0	20			3.27	-24.324	-0.0294	-2.5 to 2.5	Pass
							3.85	25.277	0.0306	-2.5 to 2.5	Pass
							4.43	18.856	0.0228	-2.5 to 2.5	Pass

				-30	3.85	10.209	0.0124	-2.5 to 2.5	Pass
				-20	3.85	15.215	0.0184	-2.5 to 2.5	Pass
				-10	3.85	19.367	0.0234	-2.5 to 2.5	Pass
				0	3.85	5.980	0.0072	-2.5 to 2.5	Pass
				10	3.85	6.828	0.0083	-2.5 to 2.5	Pass
				30	3.85	17.954	0.0217	-2.5 to 2.5	Pass
				40	3.85	8.950	0.0108	-2.5 to 2.5	Pass
	50	3.85	23.967	0.0290	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.27	-16.751	-0.0200	-2.5 to 2.5	Pass
					3.85	-17.256	-0.0206	-2.5 to 2.5	Pass
					4.43	-6.179	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-5.463	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-15.037	-0.0180	-2.5 to 2.5	Pass
				-10	3.85	-20.323	-0.0243	-2.5 to 2.5	Pass
				0	3.85	-23.584	-0.0282	-2.5 to 2.5	Pass
				10	3.85	-16.747	-0.0200	-2.5 to 2.5	Pass
				30	3.85	-5.564	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-20.685	-0.0247	-2.5 to 2.5	Pass
	50	3.85	-28.424	-0.0340	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.27	-6.272	-0.0074	-2.5 to 2.5	Pass
					3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
					4.43	25.457	0.0301	-2.5 to 2.5	Pass
				-30	3.85	6.604	0.0078	-2.5 to 2.5	Pass
				-20	3.85	4.452	0.0053	-2.5 to 2.5	Pass
				-10	3.85	5.170	0.0061	-2.5 to 2.5	Pass
				0	3.85	13.095	0.0155	-2.5 to 2.5	Pass
				10	3.85	7.470	0.0088	-2.5 to 2.5	Pass
30				3.85	20.916	0.0247	-2.5 to 2.5	Pass	
40				3.85	12.336	0.0146	-2.5 to 2.5	Pass	
50	3.85	25.182	0.0297	-2.5 to 2.5	Pass				
16QAM	826.5	25	0	20	3.27	23.116	0.0280	-2.5 to 2.5	Pass
					3.85	19.523	0.0236	-2.5 to 2.5	Pass
					4.43	13.365	0.0162	-2.5 to 2.5	Pass
				-30	3.85	12.908	0.0156	-2.5 to 2.5	Pass
				-20	3.85	6.061	0.0073	-2.5 to 2.5	Pass
				-10	3.85	15.669	0.0190	-2.5 to 2.5	Pass
				0	3.85	22.630	0.0274	-2.5 to 2.5	Pass
				10	3.85	13.957	0.0169	-2.5 to 2.5	Pass
				30	3.85	17.318	0.0210	-2.5 to 2.5	Pass
				40	3.85	13.467	0.0163	-2.5 to 2.5	Pass
	50	3.85	9.915	0.0120	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.27	-11.316	-0.0135	-2.5 to 2.5	Pass
					3.85	-8.054	-0.0096	-2.5 to 2.5	Pass
					4.43	-21.824	-0.0261	-2.5 to 2.5	Pass
				-30	3.85	-9.806	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-7.139	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-22.273	-0.0266	-2.5 to 2.5	Pass
				0	3.85	-18.708	-0.0224	-2.5 to 2.5	Pass
				10	3.85	-6.414	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-19.041	-0.0228	-2.5 to 2.5	Pass
				40	3.85	-6.921	-0.0083	-2.5 to 2.5	Pass
	50	3.85	-5.454	-0.0065	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.27	12.972	0.0153	-2.5 to 2.5	Pass
					3.85	-5.622	-0.0066	-2.5 to 2.5	Pass
					4.43	-19.494	-0.0230	-2.5 to 2.5	Pass
				-30	3.85	-10.828	-0.0128	-2.5 to 2.5	Pass
				-20	3.85	-26.711	-0.0316	-2.5 to 2.5	Pass
-10				3.85	-6.902	-0.0082	-2.5 to 2.5	Pass	
0				3.85	-19.366	-0.0229	-2.5 to 2.5	Pass	

				10	3.85	-5.872	-0.0069	-2.5 to 2.5	Pass
				30	3.85	11.192	0.0132	-2.5 to 2.5	Pass
				40	3.85	23.271	0.0275	-2.5 to 2.5	Pass
				50	3.85	26.371	0.0312	-2.5 to 2.5	Pass

11.4 B5_10MHz

11.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	-21.121	-0.0255	-2.5 to 2.5	Pass
					3.85	24.119	0.0291	-2.5 to 2.5	Pass
					4.43	18.858	0.0227	-2.5 to 2.5	Pass
				-30	3.85	20.518	0.0248	-2.5 to 2.5	Pass
				-20	3.85	25.596	0.0309	-2.5 to 2.5	Pass
				-10	3.85	19.982	0.0241	-2.5 to 2.5	Pass
				0	3.85	23.276	0.0281	-2.5 to 2.5	Pass
				10	3.85	14.255	0.0172	-2.5 to 2.5	Pass
				30	3.85	18.761	0.0226	-2.5 to 2.5	Pass
				40	3.85	5.115	0.0062	-2.5 to 2.5	Pass
	50	3.85	22.076	0.0266	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.27	-14.837	-0.0177	-2.5 to 2.5	Pass
					3.85	-12.352	-0.0148	-2.5 to 2.5	Pass
					4.43	-22.898	-0.0274	-2.5 to 2.5	Pass
				-30	3.85	-17.794	-0.0213	-2.5 to 2.5	Pass
				-20	3.85	-11.590	-0.0139	-2.5 to 2.5	Pass
				-10	3.85	-13.831	-0.0165	-2.5 to 2.5	Pass
				0	3.85	-23.702	-0.0283	-2.5 to 2.5	Pass
				10	3.85	-22.481	-0.0269	-2.5 to 2.5	Pass
				30	3.85	-12.548	-0.0150	-2.5 to 2.5	Pass
				40	3.85	-13.652	-0.0163	-2.5 to 2.5	Pass
	50	3.85	-14.217	-0.0170	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-18.266	-0.0216	-2.5 to 2.5	Pass
					3.85	-5.261	-0.0062	-2.5 to 2.5	Pass
					4.43	22.542	0.0267	-2.5 to 2.5	Pass
				-30	3.85	11.962	0.0142	-2.5 to 2.5	Pass
				-20	3.85	15.989	0.0189	-2.5 to 2.5	Pass
				-10	3.85	-16.318	-0.0193	-2.5 to 2.5	Pass
				0	3.85	-7.043	-0.0083	-2.5 to 2.5	Pass
				10	3.85	23.968	0.0284	-2.5 to 2.5	Pass
30				3.85	4.287	0.0051	-2.5 to 2.5	Pass	
40				3.85	6.033	0.0071	-2.5 to 2.5	Pass	
50	3.85	10.659	0.0126	-2.5 to 2.5	Pass				
16QAM	829	27	0	20	3.27	9.710	0.0117	-2.5 to 2.5	Pass
					3.85	14.394	0.0174	-2.5 to 2.5	Pass
					4.43	27.322	0.0330	-2.5 to 2.5	Pass
				-30	3.85	21.209	0.0256	-2.5 to 2.5	Pass
				-20	3.85	12.217	0.0147	-2.5 to 2.5	Pass
				-10	3.85	23.286	0.0281	-2.5 to 2.5	Pass
				0	3.85	6.133	0.0074	-2.5 to 2.5	Pass
				10	3.85	5.854	0.0071	-2.5 to 2.5	Pass
				30	3.85	21.226	0.0256	-2.5 to 2.5	Pass
				40	3.85	1.236	0.0015	-2.5 to 2.5	Pass
	50	3.85	10.921	0.0132	-2.5 to 2.5	Pass			
	836.5	27	0	20	3.27	-10.221	-0.0122	-2.5 to 2.5	Pass

					3.85	-21.050	-0.0252	-2.5 to 2.5	Pass	
					4.43	-10.203	-0.0122	-2.5 to 2.5	Pass	
				-30	3.85	-13.436	-0.0161	-2.5 to 2.5	Pass	
				-20	3.85	-22.092	-0.0264	-2.5 to 2.5	Pass	
				-10	3.85	-17.004	-0.0203	-2.5 to 2.5	Pass	
				0	3.85	-14.601	-0.0175	-2.5 to 2.5	Pass	
				10	3.85	-19.407	-0.0232	-2.5 to 2.5	Pass	
				30	3.85	-22.885	-0.0274	-2.5 to 2.5	Pass	
				40	3.85	-13.732	-0.0164	-2.5 to 2.5	Pass	
	50	3.85	-17.248	-0.0206	-2.5 to 2.5	Pass				
	844	27	23	20		3.27	10.402	0.0123	-2.5 to 2.5	Pass
						3.85	-3.175	-0.0038	-2.5 to 2.5	Pass
						4.43	-22.041	-0.0261	-2.5 to 2.5	Pass
				-30	3.85	-4.270	-0.0051	-2.5 to 2.5	Pass	
				-20	3.85	-8.416	-0.0100	-2.5 to 2.5	Pass	
				-10	3.85	-4.541	-0.0054	-2.5 to 2.5	Pass	
				0	3.85	-17.999	-0.0213	-2.5 to 2.5	Pass	
				10	3.85	-22.887	-0.0271	-2.5 to 2.5	Pass	
30				3.85	-17.837	-0.0211	-2.5 to 2.5	Pass		
40	3.85	-9.936	-0.0118	-2.5 to 2.5	Pass					
50	3.85	-6.893	-0.0082	-2.5 to 2.5	Pass					

12. Frequency Stability

12.1 B66_1.4MHz

12.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1710.7	6	0	20		3.27	-14.240	-0.0083	-2.5 to 2.5	Pass
						3.85	-18.317	-0.0107	-2.5 to 2.5	Pass
						4.43	-13.990	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-14.168	-0.0083	-2.5 to 2.5	Pass	
				-20	3.85	-11.927	-0.0070	-2.5 to 2.5	Pass	
				-10	3.85	-12.689	-0.0074	-2.5 to 2.5	Pass	
				0	3.85	-16.520	-0.0097	-2.5 to 2.5	Pass	
				10	3.85	-9.935	-0.0058	-2.5 to 2.5	Pass	
				30	3.85	-11.610	-0.0068	-2.5 to 2.5	Pass	
				40	3.85	-10.818	-0.0063	-2.5 to 2.5	Pass	
				50	3.85	-13.490	-0.0079	-2.5 to 2.5	Pass	
				1745	6	0	20		3.27	-20.991
		3.85	-20.212					-0.0116	-2.5 to 2.5	Pass
		4.43	-18.365					-0.0105	-2.5 to 2.5	Pass
	-30	3.85	-16.764				-0.0096	-2.5 to 2.5	Pass	
	-20	3.85	-16.148				-0.0093	-2.5 to 2.5	Pass	
	-10	3.85	-13.842				-0.0079	-2.5 to 2.5	Pass	
	0	3.85	-16.145				-0.0093	-2.5 to 2.5	Pass	
	10	3.85	-17.033				-0.0098	-2.5 to 2.5	Pass	
	30	3.85	-20.002				-0.0115	-2.5 to 2.5	Pass	
	40	3.85	-12.005				-0.0069	-2.5 to 2.5	Pass	
	50	3.85	-14.577				-0.0084	-2.5 to 2.5	Pass	
	1779.3	6	0				20		3.27	9.448
					3.85	-10.690		-0.0060	-2.5 to 2.5	Pass
					4.43	-11.996		-0.0067	-2.5 to 2.5	Pass

				-30	3.85	-20.658	-0.0116	-2.5 to 2.5	Pass
				-20	3.85	-14.196	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-18.509	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-19.853	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-18.626	-0.0105	-2.5 to 2.5	Pass
				30	3.85	-9.197	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-19.839	-0.0111	-2.5 to 2.5	Pass
				50	3.85	-17.979	-0.0101	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-6.915	-0.0040	-2.5 to 2.5	Pass
					3.85	13.539	0.0079	-2.5 to 2.5	Pass
					4.43	12.528	0.0073	-2.5 to 2.5	Pass
				-30	3.85	10.543	0.0062	-2.5 to 2.5	Pass
				-20	3.85	21.545	0.0126	-2.5 to 2.5	Pass
				-10	3.85	13.654	0.0080	-2.5 to 2.5	Pass
				0	3.85	22.294	0.0130	-2.5 to 2.5	Pass
				10	3.85	12.860	0.0075	-2.5 to 2.5	Pass
				30	3.85	17.945	0.0105	-2.5 to 2.5	Pass
				40	3.85	6.500	0.0038	-2.5 to 2.5	Pass
	50	3.85	10.030	0.0059	-2.5 to 2.5	Pass			
	1745	6	0	20	3.27	-20.236	-0.0116	-2.5 to 2.5	Pass
					3.85	-7.793	-0.0045	-2.5 to 2.5	Pass
					4.43	-20.356	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-19.160	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-11.597	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-19.497	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-13.292	-0.0076	-2.5 to 2.5	Pass
				10	3.85	-18.016	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-11.089	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-15.624	-0.0090	-2.5 to 2.5	Pass
	50	3.85	-11.423	-0.0065	-2.5 to 2.5	Pass			
	1779.3	6	0	20	3.27	-16.481	-0.0093	-2.5 to 2.5	Pass
					3.85	17.938	0.0101	-2.5 to 2.5	Pass
					4.43	10.778	0.0061	-2.5 to 2.5	Pass
				-30	3.85	17.407	0.0098	-2.5 to 2.5	Pass
				-20	3.85	8.615	0.0048	-2.5 to 2.5	Pass
				-10	3.85	2.682	0.0015	-2.5 to 2.5	Pass
				0	3.85	5.065	0.0028	-2.5 to 2.5	Pass
				10	3.85	17.534	0.0099	-2.5 to 2.5	Pass
30				3.85	14.045	0.0079	-2.5 to 2.5	Pass	
40				3.85	12.464	0.0070	-2.5 to 2.5	Pass	
50	3.85	6.268	0.0035	-2.5 to 2.5	Pass				

12.2 B66_3MHz

12.2.1 Test Result

Band: 66 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	2.197	0.0013	-2.5 to 2.5	Pass
					3.85	-16.478	-0.0096	-2.5 to 2.5	Pass
					4.43	-16.114	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-19.748	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-17.333	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-17.526	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-10.436	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-17.661	-0.0103	-2.5 to 2.5	Pass

	1745	15	0	30	3.85	-11.360	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-20.567	-0.0120	-2.5 to 2.5	Pass
				50	3.85	-21.230	-0.0124	-2.5 to 2.5	Pass
				20	3.27	13.390	0.0077	-2.5 to 2.5	Pass
					3.85	13.254	0.0076	-2.5 to 2.5	Pass
					4.43	18.222	0.0104	-2.5 to 2.5	Pass
				-30	3.85	14.494	0.0083	-2.5 to 2.5	Pass
				-20	3.85	19.193	0.0110	-2.5 to 2.5	Pass
				-10	3.85	10.014	0.0057	-2.5 to 2.5	Pass
	0	3.85	14.519	0.0083	-2.5 to 2.5	Pass			
	10	3.85	8.033	0.0046	-2.5 to 2.5	Pass			
	30	3.85	8.976	0.0051	-2.5 to 2.5	Pass			
	40	3.85	11.183	0.0064	-2.5 to 2.5	Pass			
	50	3.85	20.061	0.0115	-2.5 to 2.5	Pass			
	1778.5	15	0	20	3.27	10.199	0.0057	-2.5 to 2.5	Pass
					3.85	-16.827	-0.0095	-2.5 to 2.5	Pass
					4.43	-19.447	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-16.630	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-8.596	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-22.219	-0.0125	-2.5 to 2.5	Pass
				0	3.85	-12.551	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-21.630	-0.0122	-2.5 to 2.5	Pass
				30	3.85	-11.965	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-5.438	-0.0031	-2.5 to 2.5	Pass
50				3.85	-12.908	-0.0073	-2.5 to 2.5	Pass	
16QAM	1711.5	15	0	20	3.27	-20.472	-0.0120	-2.5 to 2.5	Pass
					3.85	18.393	0.0107	-2.5 to 2.5	Pass
					4.43	9.277	0.0054	-2.5 to 2.5	Pass
				-30	3.85	10.699	0.0063	-2.5 to 2.5	Pass
				-20	3.85	20.928	0.0122	-2.5 to 2.5	Pass
				-10	3.85	9.172	0.0054	-2.5 to 2.5	Pass
				0	3.85	17.456	0.0102	-2.5 to 2.5	Pass
				10	3.85	12.625	0.0074	-2.5 to 2.5	Pass
				30	3.85	12.667	0.0074	-2.5 to 2.5	Pass
				40	3.85	3.732	0.0022	-2.5 to 2.5	Pass
				50	3.85	-10.566	-0.0062	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	18.384	0.0105	-2.5 to 2.5	Pass
					3.85	20.749	0.0119	-2.5 to 2.5	Pass
					4.43	15.010	0.0086	-2.5 to 2.5	Pass
				-30	3.85	19.299	0.0111	-2.5 to 2.5	Pass
				-20	3.85	12.108	0.0069	-2.5 to 2.5	Pass
				-10	3.85	17.417	0.0100	-2.5 to 2.5	Pass
				0	3.85	20.164	0.0116	-2.5 to 2.5	Pass
				10	3.85	18.637	0.0107	-2.5 to 2.5	Pass
				30	3.85	12.912	0.0074	-2.5 to 2.5	Pass
				40	3.85	5.953	0.0034	-2.5 to 2.5	Pass
				50	3.85	10.946	0.0063	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-12.201	-0.0069	-2.5 to 2.5	Pass
					3.85	18.041	0.0101	-2.5 to 2.5	Pass
4.43					20.795	0.0117	-2.5 to 2.5	Pass	
-30				3.85	16.914	0.0095	-2.5 to 2.5	Pass	
-20				3.85	12.328	0.0069	-2.5 to 2.5	Pass	
-10				3.85	13.960	0.0078	-2.5 to 2.5	Pass	
0				3.85	19.694	0.0111	-2.5 to 2.5	Pass	
10				3.85	18.428	0.0104	-2.5 to 2.5	Pass	
30				3.85	21.278	0.0120	-2.5 to 2.5	Pass	
40				3.85	18.843	0.0106	-2.5 to 2.5	Pass	
50				3.85	19.789	0.0111	-2.5 to 2.5	Pass	

12.3 B66_5MHz

12.3.1 Test Result

Band: 66 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1712.5	25	0	20	3.27	17.900	0.0105	-2.5 to 2.5	Pass	
					3.85	-18.984	-0.0111	-2.5 to 2.5	Pass	
					4.43	-16.363	-0.0096	-2.5 to 2.5	Pass	
				-30	3.85	-12.750	-0.0074	-2.5 to 2.5	Pass	
					-20	3.85	-20.319	-0.0119	-2.5 to 2.5	Pass
						-10	3.85	-16.765	-0.0098	-2.5 to 2.5
				0	3.85	-12.245	-0.0072	-2.5 to 2.5	Pass	
					10	3.85	-9.856	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-14.885	-0.0087	-2.5 to 2.5	Pass	
	40	3.85	-21.698	-0.0127	-2.5 to 2.5	Pass				
	50	3.85	-17.464	-0.0102	-2.5 to 2.5	Pass				
	1745	25	0	20	3.27	15.118	0.0087	-2.5 to 2.5	Pass	
					3.85	10.219	0.0059	-2.5 to 2.5	Pass	
					4.43	10.741	0.0062	-2.5 to 2.5	Pass	
				-30	3.85	0.186	0.0001	-2.5 to 2.5	Pass	
					-20	3.85	-6.092	-0.0035	-2.5 to 2.5	Pass
						-10	3.85	3.582	0.0021	-2.5 to 2.5
				0	3.85	9.304	0.0053	-2.5 to 2.5	Pass	
					10	3.85	13.744	0.0079	-2.5 to 2.5	Pass
				30	3.85	8.167	0.0047	-2.5 to 2.5	Pass	
	40	3.85	11.807	0.0068	-2.5 to 2.5	Pass				
	50	3.85	17.986	0.0103	-2.5 to 2.5	Pass				
	1777.5	25	0	20	3.27	13.695	0.0077	-2.5 to 2.5	Pass	
					3.85	-12.981	-0.0073	-2.5 to 2.5	Pass	
					4.43	-17.422	-0.0098	-2.5 to 2.5	Pass	
				-30	3.85	-17.767	-0.0100	-2.5 to 2.5	Pass	
					-20	3.85	-20.002	-0.0113	-2.5 to 2.5	Pass
-10						3.85	-20.488	-0.0115	-2.5 to 2.5	Pass
0				3.85	-10.924	-0.0061	-2.5 to 2.5	Pass		
				10	3.85	-19.207	-0.0108	-2.5 to 2.5	Pass	
30				3.85	-15.986	-0.0090	-2.5 to 2.5	Pass		
40	3.85	-21.872	-0.0123	-2.5 to 2.5	Pass					
50	3.85	-15.035	-0.0085	-2.5 to 2.5	Pass					
16QAM	1712.5	25	0	20	3.27	-20.354	-0.0119	-2.5 to 2.5	Pass	
					3.85	11.450	0.0067	-2.5 to 2.5	Pass	
					4.43	20.944	0.0122	-2.5 to 2.5	Pass	
				-30	3.85	14.088	0.0082	-2.5 to 2.5	Pass	
					-20	3.85	17.540	0.0102	-2.5 to 2.5	Pass
						-10	3.85	15.901	0.0093	-2.5 to 2.5
				0	3.85	8.184	0.0048	-2.5 to 2.5	Pass	
					10	3.85	11.057	0.0065	-2.5 to 2.5	Pass
				30	3.85	12.432	0.0073	-2.5 to 2.5	Pass	
	40	3.85	20.395	0.0119	-2.5 to 2.5	Pass				
	50	3.85	20.516	0.0120	-2.5 to 2.5	Pass				
	1745	25	0	20	3.27	14.968	0.0086	-2.5 to 2.5	Pass	
					3.85	10.767	0.0062	-2.5 to 2.5	Pass	
					4.43	11.063	0.0063	-2.5 to 2.5	Pass	
				-30	3.85	12.762	0.0073	-2.5 to 2.5	Pass	
					-20	3.85	13.691	0.0078	-2.5 to 2.5	Pass
						-10	3.85	13.536	0.0078	-2.5 to 2.5
				0	3.85	9.091	0.0052	-2.5 to 2.5	Pass	

				10	3.85	22.017	0.0126	-2.5 to 2.5	Pass
				30	3.85	11.926	0.0068	-2.5 to 2.5	Pass
				40	3.85	10.551	0.0060	-2.5 to 2.5	Pass
				50	3.85	1.579	0.0009	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-23.490	-0.0132	-2.5 to 2.5	Pass
					3.85	16.776	0.0094	-2.5 to 2.5	Pass
					4.43	14.823	0.0083	-2.5 to 2.5	Pass
				-30	3.85	13.330	0.0075	-2.5 to 2.5	Pass
				-20	3.85	9.348	0.0053	-2.5 to 2.5	Pass
				-10	3.85	10.701	0.0060	-2.5 to 2.5	Pass
				0	3.85	18.864	0.0106	-2.5 to 2.5	Pass
				10	3.85	17.688	0.0100	-2.5 to 2.5	Pass
				30	3.85	10.054	0.0057	-2.5 to 2.5	Pass
				40	3.85	18.392	0.0103	-2.5 to 2.5	Pass
				50	3.85	10.551	0.0059	-2.5 to 2.5	Pass

12.4 B66_10MHz

12.4.1 Test Result

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	10.823	0.0063	-2.5 to 2.5	Pass
					3.85	-10.962	-0.0064	-2.5 to 2.5	Pass
					4.43	-15.808	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-13.762	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-8.737	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-9.044	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-10.079	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-11.280	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-20.425	-0.0119	-2.5 to 2.5	Pass
				40	3.85	-8.967	-0.0052	-2.5 to 2.5	Pass
	50	3.85	-22.403	-0.0131	-2.5 to 2.5	Pass			
	1745	50	0	20	3.27	17.282	0.0099	-2.5 to 2.5	Pass
					3.85	23.720	0.0136	-2.5 to 2.5	Pass
					4.43	11.398	0.0065	-2.5 to 2.5	Pass
				-30	3.85	13.982	0.0080	-2.5 to 2.5	Pass
				-20	3.85	15.689	0.0090	-2.5 to 2.5	Pass
				-10	3.85	5.576	0.0032	-2.5 to 2.5	Pass
				0	3.85	-20.367	-0.0117	-2.5 to 2.5	Pass
				10	3.85	3.832	0.0022	-2.5 to 2.5	Pass
				30	3.85	-0.252	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.900	-0.0011	-2.5 to 2.5	Pass
	50	3.85	14.599	0.0084	-2.5 to 2.5	Pass			
	1775	50	0	20	3.27	10.160	0.0057	-2.5 to 2.5	Pass
					3.85	-14.244	-0.0080	-2.5 to 2.5	Pass
					4.43	-20.434	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-8.085	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-19.165	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-11.369	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-11.522	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-11.289	-0.0064	-2.5 to 2.5	Pass
30				3.85	-10.196	-0.0057	-2.5 to 2.5	Pass	
40				3.85	-19.912	-0.0112	-2.5 to 2.5	Pass	
50	3.85	-8.308	-0.0047	-2.5 to 2.5	Pass				
16QAM	1715	27	0	20	3.27	-19.801	-0.0115	-2.5 to 2.5	Pass

					3.85	19.269	0.0112	-2.5 to 2.5	Pass
					4.43	17.209	0.0100	-2.5 to 2.5	Pass
				-30	3.85	20.770	0.0121	-2.5 to 2.5	Pass
				-20	3.85	7.710	0.0045	-2.5 to 2.5	Pass
				-10	3.85	12.069	0.0070	-2.5 to 2.5	Pass
				0	3.85	8.614	0.0050	-2.5 to 2.5	Pass
				10	3.85	16.658	0.0097	-2.5 to 2.5	Pass
				30	3.85	18.024	0.0105	-2.5 to 2.5	Pass
				40	3.85	11.402	0.0066	-2.5 to 2.5	Pass
				50	3.85	18.717	0.0109	-2.5 to 2.5	Pass
	1745	27	0	20	3.27	15.640	0.0090	-2.5 to 2.5	Pass
					3.85	13.343	0.0076	-2.5 to 2.5	Pass
					4.43	11.521	0.0066	-2.5 to 2.5	Pass
				-30	3.85	21.253	0.0122	-2.5 to 2.5	Pass
				-20	3.85	13.796	0.0079	-2.5 to 2.5	Pass
				-10	3.85	15.873	0.0091	-2.5 to 2.5	Pass
				0	3.85	19.559	0.0112	-2.5 to 2.5	Pass
				10	3.85	17.585	0.0101	-2.5 to 2.5	Pass
				30	3.85	14.231	0.0082	-2.5 to 2.5	Pass
				40	3.85	18.995	0.0109	-2.5 to 2.5	Pass
	50	3.85	17.260	0.0099	-2.5 to 2.5	Pass			
	1775	27	23	20	3.27	-14.923	-0.0084	-2.5 to 2.5	Pass
					3.85	15.453	0.0087	-2.5 to 2.5	Pass
					4.43	15.422	0.0087	-2.5 to 2.5	Pass
				-30	3.85	12.846	0.0072	-2.5 to 2.5	Pass
				-20	3.85	11.570	0.0065	-2.5 to 2.5	Pass
				-10	3.85	14.748	0.0083	-2.5 to 2.5	Pass
				0	3.85	11.514	0.0065	-2.5 to 2.5	Pass
10				3.85	10.184	0.0057	-2.5 to 2.5	Pass	
30				3.85	18.558	0.0105	-2.5 to 2.5	Pass	
40				3.85	22.673	0.0128	-2.5 to 2.5	Pass	
50	3.85	21.118	0.0119	-2.5 to 2.5	Pass				

12.5 B66_15MHz

12.5.1 Test Result

Band: 66 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-21.444	-0.0125	-2.5 to 2.5	Pass
					3.85	-20.856	-0.0121	-2.5 to 2.5	Pass
					4.43	-18.546	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-17.892	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	-16.300	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-18.282	-0.0106	-2.5 to 2.5	Pass
				0	3.85	-17.398	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-15.239	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-15.056	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-17.493	-0.0102	-2.5 to 2.5	Pass
	50	3.85	-17.189	-0.0100	-2.5 to 2.5	Pass			
	1745	75	0	20	3.27	-21.297	-0.0122	-2.5 to 2.5	Pass
					3.85	-18.285	-0.0105	-2.5 to 2.5	Pass
					4.43	-19.517	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-17.886	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-16.423	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-17.426	-0.0100	-2.5 to 2.5	Pass

				0	3.85	-17.884	-0.0102	-2.5 to 2.5	Pass				
				10	3.85	-15.035	-0.0086	-2.5 to 2.5	Pass				
				30	3.85	-21.261	-0.0122	-2.5 to 2.5	Pass				
				40	3.85	-12.130	-0.0070	-2.5 to 2.5	Pass				
				50	3.85	-17.307	-0.0099	-2.5 to 2.5	Pass				
	1772.5	75	0	20	3.27	-20.367	-0.0115	-2.5 to 2.5	Pass				
					3.85	-22.028	-0.0124	-2.5 to 2.5	Pass				
					4.43	-19.422	-0.0110	-2.5 to 2.5	Pass				
				-30	3.85	-17.512	-0.0099	-2.5 to 2.5	Pass				
				-20	3.85	-16.894	-0.0095	-2.5 to 2.5	Pass				
				-10	3.85	-17.980	-0.0101	-2.5 to 2.5	Pass				
				0	3.85	-18.620	-0.0105	-2.5 to 2.5	Pass				
				10	3.85	-15.471	-0.0087	-2.5 to 2.5	Pass				
				30	3.85	-16.656	-0.0094	-2.5 to 2.5	Pass				
				40	3.85	-17.681	-0.0100	-2.5 to 2.5	Pass				
				50	3.85	-17.731	-0.0100	-2.5 to 2.5	Pass				
				16QAM	1717.5	27	0	20	3.27	-16.023	-0.0093	-2.5 to 2.5	Pass
									3.85	-17.233	-0.0100	-2.5 to 2.5	Pass
									4.43	-3.440	-0.0020	-2.5 to 2.5	Pass
								-30	3.85	-16.273	-0.0095	-2.5 to 2.5	Pass
-20	3.85	-11.592	-0.0067					-2.5 to 2.5	Pass				
-10	3.85	-15.566	-0.0091					-2.5 to 2.5	Pass				
0	3.85	-21.829	-0.0127					-2.5 to 2.5	Pass				
10	3.85	-5.235	-0.0030					-2.5 to 2.5	Pass				
30	3.85	-16.571	-0.0096					-2.5 to 2.5	Pass				
40	3.85	2.074	0.0012					-2.5 to 2.5	Pass				
50	3.85	-15.497	-0.0090		-2.5 to 2.5	Pass							
1745	27	0	20		3.27	-13.715	-0.0079	-2.5 to 2.5	Pass				
					3.85	-15.276	-0.0088	-2.5 to 2.5	Pass				
					4.43	-17.399	-0.0100	-2.5 to 2.5	Pass				
			-30		3.85	-20.980	-0.0120	-2.5 to 2.5	Pass				
			-20		3.85	-20.515	-0.0118	-2.5 to 2.5	Pass				
			-10		3.85	-5.626	-0.0032	-2.5 to 2.5	Pass				
			0		3.85	-10.029	-0.0057	-2.5 to 2.5	Pass				
			10		3.85	-14.819	-0.0085	-2.5 to 2.5	Pass				
			30		3.85	-10.384	-0.0060	-2.5 to 2.5	Pass				
			40	3.85	-12.991	-0.0074	-2.5 to 2.5	Pass					
50	3.85	-5.668	-0.0032	-2.5 to 2.5	Pass								
1772.5	27	48	20	3.27	-13.269	-0.0075	-2.5 to 2.5	Pass					
				3.85	14.552	0.0082	-2.5 to 2.5	Pass					
				4.43	13.658	0.0077	-2.5 to 2.5	Pass					
			-30	3.85	-5.122	-0.0029	-2.5 to 2.5	Pass					
			-20	3.85	-11.929	-0.0067	-2.5 to 2.5	Pass					
			-10	3.85	-16.323	-0.0092	-2.5 to 2.5	Pass					
			0	3.85	-12.986	-0.0073	-2.5 to 2.5	Pass					
			10	3.85	-13.544	-0.0076	-2.5 to 2.5	Pass					
			30	3.85	-12.645	-0.0071	-2.5 to 2.5	Pass					
			40	3.85	-2.957	-0.0017	-2.5 to 2.5	Pass					
50	3.85	5.669	0.0032	-2.5 to 2.5	Pass								

12.6 B66_20MHz

12.6.1 Test Result

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	

QPSK	1720	100	0	20	3.27	-21.390	-0.0124	-2.5 to 2.5	Pass
					3.85	-19.666	-0.0114	-2.5 to 2.5	Pass
					4.43	-19.827	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-17.326	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-19.144	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-19.740	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-18.346	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-18.445	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-12.655	-0.0074	-2.5 to 2.5	Pass
	40	3.85	-16.889	-0.0098	-2.5 to 2.5	Pass			
	50	3.85	-17.216	-0.0100	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-17.047	-0.0098	-2.5 to 2.5	Pass
					3.85	-20.310	-0.0116	-2.5 to 2.5	Pass
					4.43	-17.630	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-17.650	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-17.694	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-17.973	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-16.573	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-18.981	-0.0109	-2.5 to 2.5	Pass
				30	3.85	-15.014	-0.0086	-2.5 to 2.5	Pass
	40	3.85	-11.211	-0.0064	-2.5 to 2.5	Pass			
	50	3.85	-19.282	-0.0110	-2.5 to 2.5	Pass			
	1770	100	0	20	3.27	-23.949	-0.0135	-2.5 to 2.5	Pass
					3.85	-21.124	-0.0119	-2.5 to 2.5	Pass
					4.43	-21.298	-0.0120	-2.5 to 2.5	Pass
				-30	3.85	-19.239	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-19.180	-0.0108	-2.5 to 2.5	Pass
-10				3.85	-16.009	-0.0090	-2.5 to 2.5	Pass	
0				3.85	-19.329	-0.0109	-2.5 to 2.5	Pass	
10				3.85	-17.325	-0.0098	-2.5 to 2.5	Pass	
30				3.85	-16.969	-0.0096	-2.5 to 2.5	Pass	
40	3.85	-17.786	-0.0100	-2.5 to 2.5	Pass				
50	3.85	-16.931	-0.0096	-2.5 to 2.5	Pass				
16QAM	1720	27	0	20	3.27	-17.071	-0.0099	-2.5 to 2.5	Pass
					3.85	-14.566	-0.0085	-2.5 to 2.5	Pass
					4.43	-12.160	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-20.976	-0.0122	-2.5 to 2.5	Pass
				-20	3.85	-14.026	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-18.156	-0.0106	-2.5 to 2.5	Pass
				0	3.85	-0.258	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.928	0.0005	-2.5 to 2.5	Pass
				30	3.85	-16.674	-0.0097	-2.5 to 2.5	Pass
	40	3.85	-12.811	-0.0074	-2.5 to 2.5	Pass			
	50	3.85	-19.765	-0.0115	-2.5 to 2.5	Pass			
	1745	27	0	20	3.27	-12.335	-0.0071	-2.5 to 2.5	Pass
					3.85	-1.676	-0.0010	-2.5 to 2.5	Pass
					4.43	-6.996	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-17.145	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-10.744	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-12.170	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-17.390	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-1.152	-0.0007	-2.5 to 2.5	Pass
				30	3.85	2.458	0.0014	-2.5 to 2.5	Pass
	40	3.85	10.334	0.0059	-2.5 to 2.5	Pass			
	50	3.85	7.790	0.0045	-2.5 to 2.5	Pass			
	1770	27	73	20	3.27	-18.665	-0.0105	-2.5 to 2.5	Pass
					3.85	12.892	0.0073	-2.5 to 2.5	Pass
					4.43	12.577	0.0071	-2.5 to 2.5	Pass
				-30	3.85	9.124	0.0052	-2.5 to 2.5	Pass

				-20	3.85	17.429	0.0098	-2.5 to 2.5	Pass
				-10	3.85	7.589	0.0043	-2.5 to 2.5	Pass
				0	3.85	5.451	0.0031	-2.5 to 2.5	Pass
				10	3.85	14.822	0.0084	-2.5 to 2.5	Pass
				30	3.85	-1.080	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-18.763	-0.0106	-2.5 to 2.5	Pass
				50	3.85	-21.904	-0.0124	-2.5 to 2.5	Pass

13. Frequency Stability

13.1 B7_5MHz

13.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	-18.263	-0.0073	-2.5 to 2.5	Pass
					3.85	-18.708	-0.0075	-2.5 to 2.5	Pass
					4.43	-14.718	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-19.489	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-16.035	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-18.780	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-19.548	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-17.710	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-15.566	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-14.314	-0.0057	-2.5 to 2.5	Pass
	50	3.85	-20.276	-0.0081	-2.5 to 2.5	Pass			
	2535	25	0	20	3.27	4.071	0.0016	-2.5 to 2.5	Pass
					3.85	-22.146	-0.0087	-2.5 to 2.5	Pass
					4.43	-10.642	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-25.465	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-8.280	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-8.544	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-15.883	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-5.664	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-2.661	-0.0010	-2.5 to 2.5	Pass
				40	3.85	1.622	0.0006	-2.5 to 2.5	Pass
	50	3.85	-3.793	-0.0015	-2.5 to 2.5	Pass			
	2567.5	25	0	20	3.27	3.741	0.0015	-2.5 to 2.5	Pass
					3.85	-17.089	-0.0067	-2.5 to 2.5	Pass
					4.43	-11.623	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-10.125	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-20.871	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-5.659	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-21.553	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-12.634	-0.0049	-2.5 to 2.5	Pass
30				3.85	-13.110	-0.0051	-2.5 to 2.5	Pass	
40				3.85	-17.715	-0.0069	-2.5 to 2.5	Pass	
50	3.85	-15.536	-0.0061	-2.5 to 2.5	Pass				
16QAM	2502.5	25	0	20	3.27	-25.635	-0.0102	-2.5 to 2.5	Pass
					3.85	-13.325	-0.0053	-2.5 to 2.5	Pass
					4.43	-20.304	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-5.988	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-11.532	-0.0046	-2.5 to 2.5	Pass
-10	3.85	-3.073	-0.0012	-2.5 to 2.5	Pass				

				0	3.85	-23.562	-0.0094	-2.5 to 2.5	Pass
				10	3.85	4.765	0.0019	-2.5 to 2.5	Pass
				30	3.85	7.103	0.0028	-2.5 to 2.5	Pass
				40	3.85	4.412	0.0018	-2.5 to 2.5	Pass
				50	3.85	17.376	0.0069	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	6.292	0.0025	-2.5 to 2.5	Pass
					3.85	21.972	0.0087	-2.5 to 2.5	Pass
					4.43	9.630	0.0038	-2.5 to 2.5	Pass
				-30	3.85	13.499	0.0053	-2.5 to 2.5	Pass
				-20	3.85	8.067	0.0032	-2.5 to 2.5	Pass
				-10	3.85	21.185	0.0084	-2.5 to 2.5	Pass
				0	3.85	26.172	0.0103	-2.5 to 2.5	Pass
				10	3.85	4.107	0.0016	-2.5 to 2.5	Pass
				30	3.85	18.183	0.0072	-2.5 to 2.5	Pass
				40	3.85	1.472	0.0006	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.85	14.408	0.0057	-2.5 to 2.5	Pass
					3.27	-3.235	-0.0013	-2.5 to 2.5	Pass
					3.85	16.442	0.0064	-2.5 to 2.5	Pass
				-30	3.85	22.844	0.0089	-2.5 to 2.5	Pass
				-20	3.85	7.201	0.0028	-2.5 to 2.5	Pass
				-10	3.85	23.224	0.0090	-2.5 to 2.5	Pass
				0	3.85	20.225	0.0079	-2.5 to 2.5	Pass
				10	3.85	5.935	0.0023	-2.5 to 2.5	Pass
				30	3.85	15.973	0.0062	-2.5 to 2.5	Pass
				40	3.85	12.374	0.0048	-2.5 to 2.5	Pass
50	3.85	15.123	0.0059	-2.5 to 2.5	Pass				

13.2 B7_10MHz

13.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.27	-17.853	-0.0071	-2.5 to 2.5	Pass
					3.85	-14.573	-0.0058	-2.5 to 2.5	Pass
					4.43	-18.923	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-17.766	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-11.385	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-9.848	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-6.837	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-19.365	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-23.215	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-10.920	-0.0044	-2.5 to 2.5	Pass
	50	3.85	-9.885	-0.0039	-2.5 to 2.5	Pass			
	2535	50	0	20	3.27	15.199	0.0060	-2.5 to 2.5	Pass
					3.85	-16.407	-0.0065	-2.5 to 2.5	Pass
					4.43	-19.503	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-6.337	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-8.697	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	5.004	0.0020	-2.5 to 2.5	Pass
				0	3.85	15.412	0.0061	-2.5 to 2.5	Pass
				10	3.85	23.018	0.0091	-2.5 to 2.5	Pass
				30	3.85	23.317	0.0092	-2.5 to 2.5	Pass
40				3.85	15.089	0.0060	-2.5 to 2.5	Pass	
50	3.85	9.108	0.0036	-2.5 to 2.5	Pass				

	2565	50	0	20	3.27	1.216	0.0005	-2.5 to 2.5	Pass
					3.85	-12.899	-0.0050	-2.5 to 2.5	Pass
					4.43	-13.741	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-17.072	-0.0067	-2.5 to 2.5	Pass
					-20	3.85	-20.060	-0.0078	-2.5 to 2.5
				-10	3.85	-12.082	-0.0047	-2.5 to 2.5	Pass
					0	3.85	-17.654	-0.0069	-2.5 to 2.5
				10	3.85	-20.764	-0.0081	-2.5 to 2.5	Pass
					30	3.85	-9.361	-0.0036	-2.5 to 2.5
				40	3.85	-18.651	-0.0073	-2.5 to 2.5	Pass
					50	3.85	-14.424	-0.0056	-2.5 to 2.5
				16QAM	2505	27	0	20	3.27
3.85	23.040	0.0092	-2.5 to 2.5						Pass
4.43	21.093	0.0084	-2.5 to 2.5						Pass
-30	3.85	17.844	0.0071					-2.5 to 2.5	Pass
	-20	3.85	7.582					0.0030	-2.5 to 2.5
-10	3.85	15.233	0.0061					-2.5 to 2.5	Pass
	0	3.85	8.349					0.0033	-2.5 to 2.5
10	3.85	3.477	0.0014					-2.5 to 2.5	Pass
	30	3.85	3.906					0.0016	-2.5 to 2.5
40	3.85	8.956	0.0036		-2.5 to 2.5	Pass			
	50	3.85	14.927		0.0060	-2.5 to 2.5	Pass		
2535	27	0	20		3.27	-12.891	-0.0051	-2.5 to 2.5	Pass
					3.85	8.193	0.0032	-2.5 to 2.5	Pass
					4.43	7.437	0.0029	-2.5 to 2.5	Pass
			-30		3.85	20.995	0.0083	-2.5 to 2.5	Pass
					-20	3.85	12.595	0.0050	-2.5 to 2.5
			-10		3.85	24.251	0.0096	-2.5 to 2.5	Pass
					0	3.85	-1.231	-0.0005	-2.5 to 2.5
			10	3.85	15.196	0.0060	-2.5 to 2.5	Pass	
				30	3.85	7.188	0.0028	-2.5 to 2.5	Pass
40	3.85	0.790	0.0003	-2.5 to 2.5	Pass				
	50	3.85	24.177	0.0095	-2.5 to 2.5	Pass			
2565	27	23	20	3.27	-12.417	-0.0048	-2.5 to 2.5	Pass	
				3.85	16.606	0.0065	-2.5 to 2.5	Pass	
				4.43	15.929	0.0062	-2.5 to 2.5	Pass	
			-30	3.85	11.201	0.0044	-2.5 to 2.5	Pass	
				-20	3.85	23.406	0.0091	-2.5 to 2.5	Pass
			-10	3.85	13.043	0.0051	-2.5 to 2.5	Pass	
				0	3.85	-2.644	-0.0010	-2.5 to 2.5	Pass
			10	3.85	3.641	0.0014	-2.5 to 2.5	Pass	
				30	3.85	7.436	0.0029	-2.5 to 2.5	Pass
40	3.85	12.705	0.0050	-2.5 to 2.5	Pass				
	50	3.85	-4.153	-0.0016	-2.5 to 2.5	Pass			

13.3 B7_15MHz

13.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.27	-23.852	-0.0095	-2.5 to 2.5	Pass
					3.85	-26.833	-0.0107	-2.5 to 2.5	Pass
					4.43	-24.581	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-23.397	-0.0093	-2.5 to 2.5	Pass
					-20	3.85	-22.753	-0.0091	-2.5 to 2.5

				-10	3.85	-19.268	-0.0077	-2.5 to 2.5	Pass			
				0	3.85	-20.716	-0.0083	-2.5 to 2.5	Pass			
				10	3.85	-19.054	-0.0076	-2.5 to 2.5	Pass			
				30	3.85	-21.140	-0.0084	-2.5 to 2.5	Pass			
				40	3.85	-20.213	-0.0081	-2.5 to 2.5	Pass			
				50	3.85	-17.038	-0.0068	-2.5 to 2.5	Pass			
				2535	75	0	20	3.27	-24.655	-0.0097	-2.5 to 2.5	Pass
								3.85	-23.396	-0.0092	-2.5 to 2.5	Pass
								4.43	-20.975	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-18.889	-0.0075	-2.5 to 2.5	Pass			
	-20	3.85	-17.182	-0.0068	-2.5 to 2.5	Pass						
	-10	3.85	-21.360	-0.0084	-2.5 to 2.5	Pass						
	0	3.85	-18.757	-0.0074	-2.5 to 2.5	Pass						
	10	3.85	-17.723	-0.0070	-2.5 to 2.5	Pass						
	30	3.85	-13.664	-0.0054	-2.5 to 2.5	Pass						
	40	3.85	-16.162	-0.0064	-2.5 to 2.5	Pass						
	50	3.85	-18.055	-0.0071	-2.5 to 2.5	Pass						
	2562.5	75	0	20	3.27	-24.102	-0.0094	-2.5 to 2.5	Pass			
					3.85	-27.997	-0.0109	-2.5 to 2.5	Pass			
					4.43	-23.634	-0.0092	-2.5 to 2.5	Pass			
				-30	3.85	-24.463	-0.0095	-2.5 to 2.5	Pass			
				-20	3.85	-21.019	-0.0082	-2.5 to 2.5	Pass			
				-10	3.85	-20.607	-0.0080	-2.5 to 2.5	Pass			
				0	3.85	-21.582	-0.0084	-2.5 to 2.5	Pass			
				10	3.85	-20.380	-0.0080	-2.5 to 2.5	Pass			
30				3.85	-19.872	-0.0078	-2.5 to 2.5	Pass				
40				3.85	-15.637	-0.0061	-2.5 to 2.5	Pass				
50	3.85	-18.004	-0.0070	-2.5 to 2.5	Pass							
16QAM	2507.5	27	0	20	3.27	-15.433	-0.0062	-2.5 to 2.5	Pass			
					3.85	-18.620	-0.0074	-2.5 to 2.5	Pass			
					4.43	-13.096	-0.0052	-2.5 to 2.5	Pass			
				-30	3.85	-14.886	-0.0059	-2.5 to 2.5	Pass			
				-20	3.85	-25.028	-0.0100	-2.5 to 2.5	Pass			
				-10	3.85	-14.620	-0.0058	-2.5 to 2.5	Pass			
				0	3.85	-24.804	-0.0099	-2.5 to 2.5	Pass			
				10	3.85	-14.716	-0.0059	-2.5 to 2.5	Pass			
				30	3.85	-14.866	-0.0059	-2.5 to 2.5	Pass			
				40	3.85	-13.893	-0.0055	-2.5 to 2.5	Pass			
	50	3.85	-13.709	-0.0055	-2.5 to 2.5	Pass						
	2535	27	0	20	3.27	-16.359	-0.0065	-2.5 to 2.5	Pass			
					3.85	-3.495	-0.0014	-2.5 to 2.5	Pass			
					4.43	-7.249	-0.0029	-2.5 to 2.5	Pass			
				-30	3.85	-4.140	-0.0016	-2.5 to 2.5	Pass			
				-20	3.85	-22.186	-0.0088	-2.5 to 2.5	Pass			
				-10	3.85	-23.094	-0.0091	-2.5 to 2.5	Pass			
				0	3.85	-18.424	-0.0073	-2.5 to 2.5	Pass			
				10	3.85	-13.431	-0.0053	-2.5 to 2.5	Pass			
				30	3.85	-23.132	-0.0091	-2.5 to 2.5	Pass			
				40	3.85	-24.376	-0.0096	-2.5 to 2.5	Pass			
	50	3.85	-7.150	-0.0028	-2.5 to 2.5	Pass						
	2562.5	27	48	20	3.27	-19.297	-0.0075	-2.5 to 2.5	Pass			
					3.85	-23.204	-0.0091	-2.5 to 2.5	Pass			
					4.43	-11.125	-0.0043	-2.5 to 2.5	Pass			
-30				3.85	-21.566	-0.0084	-2.5 to 2.5	Pass				
-20				3.85	-18.550	-0.0072	-2.5 to 2.5	Pass				
-10				3.85	-22.843	-0.0089	-2.5 to 2.5	Pass				
0				3.85	-13.088	-0.0051	-2.5 to 2.5	Pass				
10				3.85	-10.087	-0.0039	-2.5 to 2.5	Pass				
30				3.85	-24.939	-0.0097	-2.5 to 2.5	Pass				

				40	3.85	-7.656	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-11.023	-0.0043	-2.5 to 2.5	Pass

13.4 B7_20MHz

13.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.27	-23.241	-0.0093	-2.5 to 2.5	Pass
					3.85	-22.689	-0.0090	-2.5 to 2.5	Pass
					4.43	-22.385	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-24.332	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-18.202	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-20.943	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-19.146	-0.0076	-2.5 to 2.5	Pass
				10	3.85	-19.128	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-17.404	-0.0069	-2.5 to 2.5	Pass
	40	3.85	-18.965	-0.0076	-2.5 to 2.5	Pass			
	50	3.85	-19.438	-0.0077	-2.5 to 2.5	Pass			
	2535	100	0	20	3.27	-24.261	-0.0096	-2.5 to 2.5	Pass
					3.85	-24.759	-0.0098	-2.5 to 2.5	Pass
					4.43	-21.996	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-18.419	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-20.657	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-16.960	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-17.344	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-16.961	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-16.113	-0.0064	-2.5 to 2.5	Pass
	40	3.85	-19.526	-0.0077	-2.5 to 2.5	Pass			
	50	3.85	-12.433	-0.0049	-2.5 to 2.5	Pass			
	2560	100	0	20	3.27	-22.606	-0.0088	-2.5 to 2.5	Pass
					3.85	-25.274	-0.0099	-2.5 to 2.5	Pass
					4.43	-23.985	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-22.557	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-19.898	-0.0078	-2.5 to 2.5	Pass
-10				3.85	-22.751	-0.0089	-2.5 to 2.5	Pass	
0				3.85	-18.077	-0.0071	-2.5 to 2.5	Pass	
10				3.85	-19.428	-0.0076	-2.5 to 2.5	Pass	
30				3.85	-17.673	-0.0069	-2.5 to 2.5	Pass	
40	3.85	-19.360	-0.0076	-2.5 to 2.5	Pass				
50	3.85	-20.441	-0.0080	-2.5 to 2.5	Pass				
16QAM	2510	27	0	20	3.27	-16.910	-0.0067	-2.5 to 2.5	Pass
					3.85	-12.571	-0.0050	-2.5 to 2.5	Pass
					4.43	-19.015	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-14.065	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-23.635	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-15.624	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-22.305	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-13.693	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-21.518	-0.0086	-2.5 to 2.5	Pass
	40	3.85	-26.117	-0.0104	-2.5 to 2.5	Pass			
	50	3.85	-21.305	-0.0085	-2.5 to 2.5	Pass			
	2535	27	0	20	3.27	-14.389	-0.0057	-2.5 to 2.5	Pass
					3.85	-23.799	-0.0094	-2.5 to 2.5	Pass
					4.43	-18.853	-0.0074	-2.5 to 2.5	Pass

				-30	3.85	-9.264	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-17.067	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-24.227	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-13.091	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-24.325	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-16.798	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-13.686	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-15.985	-0.0063	-2.5 to 2.5	Pass
	2560	27	73	20	3.27	-16.454	-0.0064	-2.5 to 2.5	Pass
					3.85	-9.086	-0.0035	-2.5 to 2.5	Pass
					4.43	-17.052	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-17.576	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-23.597	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-16.456	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-22.086	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-19.220	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-11.957	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-19.885	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-15.346	-0.0060	-2.5 to 2.5	Pass