

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	3.40	35.105	0.0502	-2.5 to 2.5	Pass
					3.80	19.870	0.0284	-2.5 to 2.5	Pass
					4.35	33.531	0.0479	-2.5 to 2.5	Pass
				-30	3.80	23.632	0.0338	-2.5 to 2.5	Pass
				-20	3.80	11.802	0.0169	-2.5 to 2.5	Pass
				-10	3.80	35.291	0.0504	-2.5 to 2.5	Pass
				0	3.80	3.662	0.0052	-2.5 to 2.5	Pass
				10	3.80	23.160	0.0331	-2.5 to 2.5	Pass
				30	3.80	35.963	0.0514	-2.5 to 2.5	Pass
				40	3.80	5.178	0.0074	-2.5 to 2.5	Pass
				50	3.80	19.970	0.0285	-2.5 to 2.5	Pass
	707.5	6	0	20	3.40	6.795	0.0096	-2.5 to 2.5	Pass
					3.80	44.675	0.0631	-2.5 to 2.5	Pass
					4.35	45.247	0.0640	-2.5 to 2.5	Pass
				-30	3.80	14.162	0.0200	-2.5 to 2.5	Pass
				-20	3.80	5.779	0.0082	-2.5 to 2.5	Pass
				-10	3.80	-18.454	-0.0261	-2.5 to 2.5	Pass
				0	3.80	-5.050	-0.0071	-2.5 to 2.5	Pass
				10	3.80	-37.308	-0.0527	-2.5 to 2.5	Pass
				30	3.80	-23.618	-0.0334	-2.5 to 2.5	Pass
				40	3.80	-6.423	-0.0091	-2.5 to 2.5	Pass
				50	3.80	-38.352	-0.0542	-2.5 to 2.5	Pass
	715.3	6	0	20	3.40	4.377	0.0061	-2.5 to 2.5	Pass
					3.80	0.286	0.0004	-2.5 to 2.5	Pass
					4.35	-7.939	-0.0111	-2.5 to 2.5	Pass
				-30	3.80	-21.100	-0.0295	-2.5 to 2.5	Pass
				-20	3.80	-38.266	-0.0535	-2.5 to 2.5	Pass
				-10	3.80	-10.185	-0.0142	-2.5 to 2.5	Pass
				0	3.80	-29.368	-0.0411	-2.5 to 2.5	Pass
				10	3.80	-5.550	-0.0078	-2.5 to 2.5	Pass
				30	3.80	-26.307	-0.0368	-2.5 to 2.5	Pass
				40	3.80	-45.075	-0.0630	-2.5 to 2.5	Pass
				50	3.80	-12.746	-0.0178	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.40	33.288	0.0476	-2.5 to 2.5	Pass
					3.80	44.789	0.0640	-2.5 to 2.5	Pass
					4.35	13.189	0.0188	-2.5 to 2.5	Pass
				-30	3.80	28.582	0.0408	-2.5 to 2.5	Pass
				-20	3.80	48.394	0.0692	-2.5 to 2.5	Pass
				-10	3.80	8.397	0.0120	-2.5 to 2.5	Pass
				0	3.80	25.220	0.0360	-2.5 to 2.5	Pass
				10	3.80	43.159	0.0617	-2.5 to 2.5	Pass
				30	3.80	16.823	0.0240	-2.5 to 2.5	Pass
				40	3.80	36.750	0.0525	-2.5 to 2.5	Pass
				50	3.80	0.830	0.0012	-2.5 to 2.5	Pass
	707.5	6	0	20	3.40	-19.369	-0.0274	-2.5 to 2.5	Pass
					3.80	-33.145	-0.0468	-2.5 to 2.5	Pass

					4.35	-24.276	-0.0343	-2.5 to 2.5	Pass
				-30	3.80	-42.529	-0.0601	-2.5 to 2.5	Pass
				-20	3.80	-5.250	-0.0074	-2.5 to 2.5	Pass
				-10	3.80	-17.653	-0.0250	-2.5 to 2.5	Pass
				0	3.80	-28.710	-0.0406	-2.5 to 2.5	Pass
				10	3.80	-35.620	-0.0503	-2.5 to 2.5	Pass
				30	3.80	-44.832	-0.0634	-2.5 to 2.5	Pass
				40	3.80	-4.306	-0.0061	-2.5 to 2.5	Pass
				50	3.80	-10.157	-0.0144	-2.5 to 2.5	Pass
	715.3	6	0	20	3.40	-31.872	-0.0446	-2.5 to 2.5	Pass
					3.80	-4.292	-0.0060	-2.5 to 2.5	Pass
					4.35	-13.447	-0.0188	-2.5 to 2.5	Pass
				-30	3.80	-22.259	-0.0311	-2.5 to 2.5	Pass
				-20	3.80	-28.224	-0.0395	-2.5 to 2.5	Pass
				-10	3.80	-32.716	-0.0457	-2.5 to 2.5	Pass
				0	3.80	-32.315	-0.0452	-2.5 to 2.5	Pass
				10	3.80	-37.723	-0.0527	-2.5 to 2.5	Pass
				30	3.80	-41.413	-0.0579	-2.5 to 2.5	Pass
				40	3.80	-44.417	-0.0621	-2.5 to 2.5	Pass
				50	3.80	0.801	0.0011	-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	3.40	4.864	0.0069	-2.5 to 2.5	Pass
					3.80	18.382	0.0262	-2.5 to 2.5	Pass
					4.35	30.026	0.0429	-2.5 to 2.5	Pass
				-30	3.80	37.909	0.0541	-2.5 to 2.5	Pass
				-20	3.80	42.501	0.0607	-2.5 to 2.5	Pass
				-10	3.80	28.195	0.0402	-2.5 to 2.5	Pass
				0	3.80	2.918	0.0042	-2.5 to 2.5	Pass
				10	3.80	4.678	0.0067	-2.5 to 2.5	Pass
				30	3.80	6.766	0.0097	-2.5 to 2.5	Pass
				40	3.80	9.699	0.0138	-2.5 to 2.5	Pass
				50	3.80	10.114	0.0144	-2.5 to 2.5	Pass
	707.5	15	0	20	3.40	0.901	0.0013	-2.5 to 2.5	Pass
					3.80	12.317	0.0174	-2.5 to 2.5	Pass
					4.35	17.424	0.0246	-2.5 to 2.5	Pass
				-30	3.80	17.195	0.0243	-2.5 to 2.5	Pass
				-20	3.80	6.309	0.0089	-2.5 to 2.5	Pass
				-10	3.80	-3.633	-0.0051	-2.5 to 2.5	Pass
				0	3.80	-16.580	-0.0234	-2.5 to 2.5	Pass
				10	3.80	-27.723	-0.0392	-2.5 to 2.5	Pass
				30	3.80	-40.383	-0.0571	-2.5 to 2.5	Pass
				40	3.80	-10.757	-0.0152	-2.5 to 2.5	Pass
				50	3.80	-25.935	-0.0367	-2.5 to 2.5	Pass
	714.5	15	0	20	3.40	-6.638	-0.0093	-2.5 to 2.5	Pass
					3.80	-4.220	-0.0059	-2.5 to 2.5	Pass
					4.35	-4.578	-0.0064	-2.5 to 2.5	Pass
				-30	3.80	-13.776	-0.0193	-2.5 to 2.5	Pass
				-20	3.80	-24.533	-0.0343	-2.5 to 2.5	Pass

				-10	3.80	-37.522	-0.0525	-2.5 to 2.5	Pass
				0	3.80	-32.043	-0.0448	-2.5 to 2.5	Pass
				10	3.80	-13.504	-0.0189	-2.5 to 2.5	Pass
				30	3.80	-27.695	-0.0388	-2.5 to 2.5	Pass
				40	3.80	-38.810	-0.0543	-2.5 to 2.5	Pass
				50	3.80	-24.776	-0.0347	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.40	8.368	0.0119	-2.5 to 2.5	Pass
					3.80	7.210	0.0103	-2.5 to 2.5	Pass
					4.35	8.497	0.0121	-2.5 to 2.5	Pass
				-30	3.80	10.643	0.0152	-2.5 to 2.5	Pass
				-20	3.80	17.252	0.0246	-2.5 to 2.5	Pass
				-10	3.80	28.152	0.0402	-2.5 to 2.5	Pass
				0	3.80	39.082	0.0558	-2.5 to 2.5	Pass
				10	3.80	-3.591	-0.0051	-2.5 to 2.5	Pass
				30	3.80	6.266	0.0089	-2.5 to 2.5	Pass
				40	3.80	18.353	0.0262	-2.5 to 2.5	Pass
				50	3.80	27.423	0.0391	-2.5 to 2.5	Pass
	707.5	15	0	20	3.40	-39.582	-0.0559	-2.5 to 2.5	Pass
					3.80	3.347	0.0047	-2.5 to 2.5	Pass
					4.35	-3.519	-0.0050	-2.5 to 2.5	Pass
				-30	3.80	-9.727	-0.0137	-2.5 to 2.5	Pass
				-20	3.80	-11.959	-0.0169	-2.5 to 2.5	Pass
				-10	3.80	-12.159	-0.0172	-2.5 to 2.5	Pass
				0	3.80	-12.517	-0.0177	-2.5 to 2.5	Pass
				10	3.80	-9.398	-0.0133	-2.5 to 2.5	Pass
				30	3.80	-8.140	-0.0115	-2.5 to 2.5	Pass
				40	3.80	-9.270	-0.0131	-2.5 to 2.5	Pass
				50	3.80	-7.868	-0.0111	-2.5 to 2.5	Pass
	714.5	15	0	20	3.40	-13.676	-0.0191	-2.5 to 2.5	Pass
					3.80	-25.320	-0.0354	-2.5 to 2.5	Pass
					4.35	-30.928	-0.0433	-2.5 to 2.5	Pass
				-30	3.80	-32.372	-0.0453	-2.5 to 2.5	Pass
				-20	3.80	-33.188	-0.0464	-2.5 to 2.5	Pass
				-10	3.80	-29.426	-0.0412	-2.5 to 2.5	Pass
				0	3.80	-27.723	-0.0388	-2.5 to 2.5	Pass
				10	3.80	-23.990	-0.0336	-2.5 to 2.5	Pass
				30	3.80	-19.169	-0.0268	-2.5 to 2.5	Pass
				40	3.80	-15.578	-0.0218	-2.5 to 2.5	Pass
				50	3.80	-12.202	-0.0171	-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	3.40	8.612	0.0123	-2.5 to 2.5	Pass
					3.80	31.815	0.0454	-2.5 to 2.5	Pass
					4.35	4.034	0.0058	-2.5 to 2.5	Pass
				-30	3.80	18.125	0.0258	-2.5 to 2.5	Pass
				-20	3.80	28.009	0.0399	-2.5 to 2.5	Pass
				-10	3.80	35.319	0.0503	-2.5 to 2.5	Pass
				0	3.80	39.825	0.0568	-2.5 to 2.5	Pass
				10	3.80	41.256	0.0588	-2.5 to 2.5	Pass

	707.5	25	0	30	3.80	6.151	0.0088	-2.5 to 2.5	Pass
				40	3.80	13.161	0.0188	-2.5 to 2.5	Pass
				50	3.80	17.109	0.0244	-2.5 to 2.5	Pass
				20	3.40	3.691	0.0052	-2.5 to 2.5	Pass
					3.80	12.574	0.0178	-2.5 to 2.5	Pass
					4.35	19.097	0.0270	-2.5 to 2.5	Pass
				-30	3.80	19.584	0.0277	-2.5 to 2.5	Pass
				-20	3.80	16.866	0.0238	-2.5 to 2.5	Pass
				-10	3.80	12.760	0.0180	-2.5 to 2.5	Pass
				0	3.80	7.081	0.0100	-2.5 to 2.5	Pass
				10	3.80	0.830	0.0012	-2.5 to 2.5	Pass
				30	3.80	-4.992	-0.0071	-2.5 to 2.5	Pass
				40	3.80	-10.543	-0.0149	-2.5 to 2.5	Pass
				50	3.80	-16.193	-0.0229	-2.5 to 2.5	Pass
	713.5	25	0	20	3.40	1.402	0.0020	-2.5 to 2.5	Pass
					3.80	9.141	0.0128	-2.5 to 2.5	Pass
					4.35	12.975	0.0182	-2.5 to 2.5	Pass
				-30	3.80	12.202	0.0171	-2.5 to 2.5	Pass
				-20	3.80	14.906	0.0209	-2.5 to 2.5	Pass
				-10	3.80	8.812	0.0124	-2.5 to 2.5	Pass
				0	3.80	-0.315	-0.0004	-2.5 to 2.5	Pass
				10	3.80	-6.981	-0.0098	-2.5 to 2.5	Pass
				30	3.80	-14.048	-0.0197	-2.5 to 2.5	Pass
				40	3.80	-23.932	-0.0335	-2.5 to 2.5	Pass
				50	3.80	-30.456	-0.0427	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.40	19.197	0.0274	-2.5 to 2.5	Pass
					3.80	24.934	0.0355	-2.5 to 2.5	Pass
					4.35	31.900	0.0455	-2.5 to 2.5	Pass
				-30	3.80	37.308	0.0532	-2.5 to 2.5	Pass
				-20	3.80	45.891	0.0654	-2.5 to 2.5	Pass
				-10	3.80	1.373	0.0020	-2.5 to 2.5	Pass
				0	3.80	9.284	0.0132	-2.5 to 2.5	Pass
				10	3.80	13.876	0.0198	-2.5 to 2.5	Pass
				30	3.80	22.931	0.0327	-2.5 to 2.5	Pass
				40	3.80	26.865	0.0383	-2.5 to 2.5	Pass
				50	3.80	36.550	0.0521	-2.5 to 2.5	Pass
	707.5	25	0	20	3.40	-23.303	-0.0329	-2.5 to 2.5	Pass
					3.80	-27.366	-0.0387	-2.5 to 2.5	Pass
					4.35	-26.507	-0.0375	-2.5 to 2.5	Pass
				-30	3.80	-22.459	-0.0317	-2.5 to 2.5	Pass
				-20	3.80	-16.108	-0.0228	-2.5 to 2.5	Pass
				-10	3.80	-10.214	-0.0144	-2.5 to 2.5	Pass
				0	3.80	-4.749	-0.0067	-2.5 to 2.5	Pass
				10	3.80	2.203	0.0031	-2.5 to 2.5	Pass
				30	3.80	10.343	0.0146	-2.5 to 2.5	Pass
				40	3.80	18.625	0.0263	-2.5 to 2.5	Pass
				50	3.80	24.118	0.0341	-2.5 to 2.5	Pass
	713.5	25	0	20	3.40	-34.633	-0.0485	-2.5 to 2.5	Pass
					3.80	-39.911	-0.0559	-2.5 to 2.5	Pass
					4.35	-40.054	-0.0561	-2.5 to 2.5	Pass
				-30	3.80	-36.235	-0.0508	-2.5 to 2.5	Pass
				-20	3.80	-30.556	-0.0428	-2.5 to 2.5	Pass
				-10	3.80	-26.407	-0.0370	-2.5 to 2.5	Pass
				0	3.80	-21.915	-0.0307	-2.5 to 2.5	Pass
				10	3.80	-16.351	-0.0229	-2.5 to 2.5	Pass
				30	3.80	-16.637	-0.0233	-2.5 to 2.5	Pass
				40	3.80	-12.732	-0.0178	-2.5 to 2.5	Pass

				50	3.80	-6.394	-0.0090	-2.5 to 2.5	Pass
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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	3.40	12.059	0.0171	-2.5 to 2.5	Pass
					3.80	34.447	0.0489	-2.5 to 2.5	Pass
					4.35	43.387	0.0616	-2.5 to 2.5	Pass
				-30	3.80	45.061	0.0640	-2.5 to 2.5	Pass
				-20	3.80	46.721	0.0664	-2.5 to 2.5	Pass
				-10	3.80	44.060	0.0626	-2.5 to 2.5	Pass
				0	3.80	37.093	0.0527	-2.5 to 2.5	Pass
				10	3.80	30.241	0.0430	-2.5 to 2.5	Pass
				30	3.80	24.905	0.0354	-2.5 to 2.5	Pass
				40	3.80	16.379	0.0233	-2.5 to 2.5	Pass
				50	3.80	10.057	0.0143	-2.5 to 2.5	Pass
	707.5	50	0	20	3.40	3.161	0.0045	-2.5 to 2.5	Pass
					3.80	9.985	0.0141	-2.5 to 2.5	Pass
					4.35	10.614	0.0150	-2.5 to 2.5	Pass
				-30	3.80	7.138	0.0101	-2.5 to 2.5	Pass
				-20	3.80	1.817	0.0026	-2.5 to 2.5	Pass
				-10	3.80	-4.463	-0.0063	-2.5 to 2.5	Pass
				0	3.80	-10.028	-0.0142	-2.5 to 2.5	Pass
				10	3.80	-20.356	-0.0288	-2.5 to 2.5	Pass
				30	3.80	-26.479	-0.0374	-2.5 to 2.5	Pass
				40	3.80	-29.998	-0.0424	-2.5 to 2.5	Pass
				50	3.80	-34.118	-0.0482	-2.5 to 2.5	Pass
	711	50	0	20	3.40	10.200	0.0143	-2.5 to 2.5	Pass
					3.80	20.685	0.0291	-2.5 to 2.5	Pass
					4.35	22.001	0.0309	-2.5 to 2.5	Pass
				-30	3.80	19.283	0.0271	-2.5 to 2.5	Pass
				-20	3.80	13.590	0.0191	-2.5 to 2.5	Pass
				-10	3.80	6.852	0.0096	-2.5 to 2.5	Pass
				0	3.80	-0.343	-0.0005	-2.5 to 2.5	Pass
				10	3.80	-9.484	-0.0133	-2.5 to 2.5	Pass
				30	3.80	-17.238	-0.0242	-2.5 to 2.5	Pass
				40	3.80	-25.163	-0.0354	-2.5 to 2.5	Pass
				50	3.80	-32.973	-0.0464	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.40	3.805	0.0054	-2.5 to 2.5	Pass
					3.80	3.406	0.0047	-2.5 to 2.5	Pass
					4.35	6.723	0.0095	-2.5 to 2.5	Pass
				-30	3.80	11.272	0.0160	-2.5 to 2.5	Pass
				-20	3.80	20.170	0.0287	-2.5 to 2.5	Pass
				-10	3.80	30.870	0.0438	-2.5 to 2.5	Pass
				0	3.80	40.712	0.0578	-2.5 to 2.5	Pass
				10	3.80	7.882	0.0112	-2.5 to 2.5	Pass
				30	3.80	12.517	0.0178	-2.5 to 2.5	Pass
				40	3.80	22.802	0.0324	-2.5 to 2.5	Pass
				50	3.80	28.038	0.0398	-2.5 to 2.5	Pass
	707.5	50	0	20	3.40	-39.768	-0.0562	-2.5 to 2.5	Pass
					3.80	-39.926	-0.0564	-2.5 to 2.5	Pass

					4.35	-34.990	-0.0495	-2.5 to 2.5	Pass
				-30	3.80	-24.562	-0.0347	-2.5 to 2.5	Pass
				-20	3.80	-13.733	-0.0194	-2.5 to 2.5	Pass
				-10	3.80	-3.633	-0.0051	-2.5 to 2.5	Pass
				0	3.80	9.356	0.0132	-2.5 to 2.5	Pass
				10	3.80	19.927	0.0282	-2.5 to 2.5	Pass
				30	3.80	29.082	0.0411	-2.5 to 2.5	Pass
				40	3.80	38.195	0.0540	-2.5 to 2.5	Pass
				50	3.80	45.633	0.0645	-2.5 to 2.5	Pass
	711	50	0	20	3.40	-39.482	-0.0555	-2.5 to 2.5	Pass
					3.80	-41.499	-0.0584	-2.5 to 2.5	Pass
					4.35	-38.495	-0.0541	-2.5 to 2.5	Pass
				-30	3.80	-31.171	-0.0438	-2.5 to 2.5	Pass
				-20	3.80	-26.994	-0.0380	-2.5 to 2.5	Pass
				-10	3.80	-20.785	-0.0292	-2.5 to 2.5	Pass
				0	3.80	-13.947	-0.0196	-2.5 to 2.5	Pass
				10	3.80	-4.935	-0.0069	-2.5 to 2.5	Pass
				30	3.80	3.476	0.0049	-2.5 to 2.5	Pass
				40	3.80	12.932	0.0182	-2.5 to 2.5	Pass
				50	3.80	18.468	0.0260	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B13_5MHz

2.1.1 Test Result

Band: 13 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	779.5	25	0	20	3.40	7.024	0.0090	-2.5 to 2.5	Pass
					3.80	25.249	0.0324	-2.5 to 2.5	Pass
					4.35	33.445	0.0429	-2.5 to 2.5	Pass
				-30	3.80	3.505	0.0045	-2.5 to 2.5	Pass
				-20	3.80	15.264	0.0196	-2.5 to 2.5	Pass
				-10	3.80	18.125	0.0233	-2.5 to 2.5	Pass
				0	3.80	24.505	0.0314	-2.5 to 2.5	Pass
				10	3.80	29.283	0.0376	-2.5 to 2.5	Pass
				30	3.80	35.019	0.0449	-2.5 to 2.5	Pass
				40	3.80	38.595	0.0495	-2.5 to 2.5	Pass
				50	3.80	44.861	0.0576	-2.5 to 2.5	Pass
	782	25	0	20	3.40	8.955	0.0115	-2.5 to 2.5	Pass
					3.80	25.434	0.0325	-2.5 to 2.5	Pass
					4.35	30.913	0.0395	-2.5 to 2.5	Pass
				-30	3.80	26.879	0.0344	-2.5 to 2.5	Pass
				-20	3.80	18.353	0.0235	-2.5 to 2.5	Pass
				-10	3.80	11.144	0.0143	-2.5 to 2.5	Pass
				0	3.80	3.548	0.0045	-2.5 to 2.5	Pass
				10	3.80	-3.662	-0.0047	-2.5 to 2.5	Pass
				30	3.80	-14.534	-0.0186	-2.5 to 2.5	Pass
				40	3.80	-21.501	-0.0275	-2.5 to 2.5	Pass
				50	3.80	-24.891	-0.0318	-2.5 to 2.5	Pass
	784.5	25	0	20	3.40	-1.960	-0.0025	-2.5 to 2.5	Pass
					3.80	4.349	0.0055	-2.5 to 2.5	Pass

					4.35	-1.659	-0.0021	-2.5 to 2.5	Pass
				-30	3.80	-15.178	-0.0193	-2.5 to 2.5	Pass
				-20	3.80	-32.029	-0.0408	-2.5 to 2.5	Pass
				-10	3.80	-47.879	-0.0610	-2.5 to 2.5	Pass
				0	3.80	-15.850	-0.0202	-2.5 to 2.5	Pass
				10	3.80	-35.305	-0.0450	-2.5 to 2.5	Pass
				30	3.80	-4.263	-0.0054	-2.5 to 2.5	Pass
				40	3.80	-24.490	-0.0312	-2.5 to 2.5	Pass
				50	3.80	-42.200	-0.0538	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.40	46.277	0.0594	-2.5 to 2.5	Pass
					3.80	50.983	0.0654	-2.5 to 2.5	Pass
					4.35	16.122	0.0207	-2.5 to 2.5	Pass
				-30	3.80	37.522	0.0481	-2.5 to 2.5	Pass
				-20	3.80	6.924	0.0089	-2.5 to 2.5	Pass
				-10	3.80	30.384	0.0390	-2.5 to 2.5	Pass
				0	3.80	28.653	0.0368	-2.5 to 2.5	Pass
				10	3.80	12.331	0.0158	-2.5 to 2.5	Pass
				30	3.80	30.427	0.0390	-2.5 to 2.5	Pass
				40	3.80	46.034	0.0591	-2.5 to 2.5	Pass
				50	3.80	6.037	0.0077	-2.5 to 2.5	Pass
	782	25	0	20	3.40	-34.375	-0.0440	-2.5 to 2.5	Pass
					3.80	-41.442	-0.0530	-2.5 to 2.5	Pass
					4.35	-42.086	-0.0538	-2.5 to 2.5	Pass
				-30	3.80	-39.053	-0.0499	-2.5 to 2.5	Pass
				-20	3.80	-34.103	-0.0436	-2.5 to 2.5	Pass
				-10	3.80	-29.712	-0.0380	-2.5 to 2.5	Pass
				0	3.80	-23.546	-0.0301	-2.5 to 2.5	Pass
				10	3.80	-24.047	-0.0308	-2.5 to 2.5	Pass
				30	3.80	-20.413	-0.0261	-2.5 to 2.5	Pass
				40	3.80	-15.464	-0.0198	-2.5 to 2.5	Pass
				50	3.80	-15.864	-0.0203	-2.5 to 2.5	Pass
	784.5	25	0	20	3.40	-7.010	-0.0089	-2.5 to 2.5	Pass
					3.80	-19.012	-0.0242	-2.5 to 2.5	Pass
					4.35	-32.744	-0.0417	-2.5 to 2.5	Pass
				-30	3.80	-30.971	-0.0395	-2.5 to 2.5	Pass
				-20	3.80	-29.268	-0.0373	-2.5 to 2.5	Pass
				-10	3.80	-28.110	-0.0358	-2.5 to 2.5	Pass
				0	3.80	-23.117	-0.0295	-2.5 to 2.5	Pass
				10	3.80	-20.700	-0.0264	-2.5 to 2.5	Pass
				30	3.80	-23.146	-0.0295	-2.5 to 2.5	Pass
				40	3.80	-23.646	-0.0301	-2.5 to 2.5	Pass
				50	3.80	-25.091	-0.0320	-2.5 to 2.5	Pass

2.2 B13_10MHz

2.2.1 Test Result

Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	782	50	0	20	3.40	7.639	0.0098	-2.5 to 2.5	Pass
					3.80	34.304	0.0439	-2.5 to 2.5	Pass
					4.35	45.547	0.0582	-2.5 to 2.5	Pass
				-30	3.80	41.628	0.0532	-2.5 to 2.5	Pass
				-20	3.80	28.925	0.0370	-2.5 to 2.5	Pass

				-10	3.80	17.009	0.0218	-2.5 to 2.5	Pass
				0	3.80	3.133	0.0040	-2.5 to 2.5	Pass
				10	3.80	-5.565	-0.0071	-2.5 to 2.5	Pass
				30	3.80	-15.063	-0.0193	-2.5 to 2.5	Pass
				40	3.80	-24.619	-0.0315	-2.5 to 2.5	Pass
				50	3.80	-35.019	-0.0448	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.40	-43.116	-0.0551	-2.5 to 2.5	Pass
					3.80	-44.103	-0.0564	-2.5 to 2.5	Pass
					4.35	-39.225	-0.0502	-2.5 to 2.5	Pass
				-30	3.80	-29.283	-0.0374	-2.5 to 2.5	Pass
				-20	3.80	-15.521	-0.0198	-2.5 to 2.5	Pass
				-10	3.80	-1.273	-0.0016	-2.5 to 2.5	Pass
				0	3.80	7.510	0.0096	-2.5 to 2.5	Pass
				10	3.80	13.762	0.0176	-2.5 to 2.5	Pass
				30	3.80	25.578	0.0327	-2.5 to 2.5	Pass
				40	3.80	34.704	0.0444	-2.5 to 2.5	Pass
				50	3.80	41.528	0.0531	-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	3.40	12.903	0.0183	-2.5 to 2.5	Pass
					3.80	38.180	0.0540	-2.5 to 2.5	Pass
					4.35	44.088	0.0624	-2.5 to 2.5	Pass
				-30	3.80	37.351	0.0529	-2.5 to 2.5	Pass
				-20	3.80	24.862	0.0352	-2.5 to 2.5	Pass
				-10	3.80	3.562	0.0050	-2.5 to 2.5	Pass
				0	3.80	-14.749	-0.0209	-2.5 to 2.5	Pass
				10	3.80	-38.066	-0.0539	-2.5 to 2.5	Pass
				30	3.80	-11.973	-0.0169	-2.5 to 2.5	Pass
				40	3.80	-37.065	-0.0525	-2.5 to 2.5	Pass
				50	3.80	-10.071	-0.0143	-2.5 to 2.5	Pass
	710	25	0	20	3.40	-0.100	-0.0001	-2.5 to 2.5	Pass
					3.80	4.392	0.0062	-2.5 to 2.5	Pass
					4.35	5.150	0.0073	-2.5 to 2.5	Pass
				-30	3.80	3.476	0.0049	-2.5 to 2.5	Pass
				-20	3.80	-0.243	-0.0003	-2.5 to 2.5	Pass
				-10	3.80	-4.621	-0.0065	-2.5 to 2.5	Pass
				0	3.80	-11.930	-0.0168	-2.5 to 2.5	Pass
				10	3.80	-20.099	-0.0283	-2.5 to 2.5	Pass
				30	3.80	-33.045	-0.0465	-2.5 to 2.5	Pass
				40	3.80	-42.286	-0.0596	-2.5 to 2.5	Pass
				50	3.80	-3.304	-0.0047	-2.5 to 2.5	Pass
	713.5	25	0	20	3.40	5.136	0.0072	-2.5 to 2.5	Pass
					3.80	10.958	0.0154	-2.5 to 2.5	Pass
					4.35	10.400	0.0146	-2.5 to 2.5	Pass
				-30	3.80	7.110	0.0100	-2.5 to 2.5	Pass
				-20	3.80	-1.087	-0.0015	-2.5 to 2.5	Pass

				-10	3.80	-13.790	-0.0193	-2.5 to 2.5	Pass
				0	3.80	-25.921	-0.0363	-2.5 to 2.5	Pass
				10	3.80	-39.082	-0.0548	-2.5 to 2.5	Pass
				30	3.80	-6.566	-0.0092	-2.5 to 2.5	Pass
				40	3.80	-18.582	-0.0260	-2.5 to 2.5	Pass
				50	3.80	-33.404	-0.0466	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.40	-30.427	-0.0431	-2.5 to 2.5	Pass
					3.80	-34.118	-0.0483	-2.5 to 2.5	Pass
					4.35	-13.976	-0.0198	-2.5 to 2.5	Pass
				-30	3.80	-21.901	-0.0310	-2.5 to 2.5	Pass
				-20	3.80	-26.379	-0.0373	-2.5 to 2.5	Pass
				-10	3.80	-29.697	-0.0420	-2.5 to 2.5	Pass
				0	3.80	-34.518	-0.0489	-2.5 to 2.5	Pass
				10	3.80	-40.541	-0.0574	-2.5 to 2.5	Pass
				30	3.80	-45.090	-0.0638	-2.5 to 2.5	Pass
				40	3.80	-48.552	-0.0687	-2.5 to 2.5	Pass
				50	3.80	-49.124	-0.0695	-2.5 to 2.5	Pass
	710	25	0	20	3.40	-12.660	-0.0178	-2.5 to 2.5	Pass
					3.80	-18.296	-0.0258	-2.5 to 2.5	Pass
					4.35	-19.498	-0.0275	-2.5 to 2.5	Pass
				-30	3.80	-14.062	-0.0198	-2.5 to 2.5	Pass
				-20	3.80	-7.353	-0.0104	-2.5 to 2.5	Pass
				-10	3.80	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	3.80	6.180	0.0087	-2.5 to 2.5	Pass
				10	3.80	12.689	0.0179	-2.5 to 2.5	Pass
				30	3.80	16.265	0.0229	-2.5 to 2.5	Pass
				40	3.80	24.118	0.0340	-2.5 to 2.5	Pass
				50	3.80	27.094	0.0382	-2.5 to 2.5	Pass
	713.5	25	0	20	3.40	-44.718	-0.0627	-2.5 to 2.5	Pass
					3.80	-5.608	-0.0079	-2.5 to 2.5	Pass
					4.35	-12.717	-0.0178	-2.5 to 2.5	Pass
				-30	3.80	-14.634	-0.0205	-2.5 to 2.5	Pass
				-20	3.80	-15.678	-0.0220	-2.5 to 2.5	Pass
				-10	3.80	-12.002	-0.0168	-2.5 to 2.5	Pass
				0	3.80	-10.800	-0.0151	-2.5 to 2.5	Pass
				10	3.80	-8.841	-0.0124	-2.5 to 2.5	Pass
				30	3.80	-9.556	-0.0134	-2.5 to 2.5	Pass
				40	3.80	-9.356	-0.0131	-2.5 to 2.5	Pass
				50	3.80	-6.466	-0.0091	-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	3.40	9.642	0.0136	-2.5 to 2.5	Pass
					3.80	28.081	0.0396	-2.5 to 2.5	Pass
					4.35	38.552	0.0544	-2.5 to 2.5	Pass
				-30	3.80	39.868	0.0562	-2.5 to 2.5	Pass
				-20	3.80	34.919	0.0493	-2.5 to 2.5	Pass
				-10	3.80	27.494	0.0388	-2.5 to 2.5	Pass
				0	3.80	18.382	0.0259	-2.5 to 2.5	Pass
				10	3.80	10.986	0.0155	-2.5 to 2.5	Pass

				30	3.80	-0.257	-0.0004	-2.5 to 2.5	Pass
				40	3.80	-9.041	-0.0128	-2.5 to 2.5	Pass
				50	3.80	-20.814	-0.0294	-2.5 to 2.5	Pass
	710	50	0	20	3.40	1.373	0.0019	-2.5 to 2.5	Pass
					3.80	8.268	0.0116	-2.5 to 2.5	Pass
					4.35	10.028	0.0141	-2.5 to 2.5	Pass
				-30	3.80	5.865	0.0083	-2.5 to 2.5	Pass
				-20	3.80	-1.960	-0.0028	-2.5 to 2.5	Pass
				-10	3.80	-15.392	-0.0217	-2.5 to 2.5	Pass
				0	3.80	-29.554	-0.0416	-2.5 to 2.5	Pass
				10	3.80	-46.763	-0.0659	-2.5 to 2.5	Pass
				30	3.80	-9.341	-0.0132	-2.5 to 2.5	Pass
				40	3.80	-25.721	-0.0362	-2.5 to 2.5	Pass
				50	3.80	-37.594	-0.0529	-2.5 to 2.5	Pass
	711	50	0	20	3.40	0.587	0.0008	-2.5 to 2.5	Pass
					3.80	3.018	0.0042	-2.5 to 2.5	Pass
					4.35	0.143	0.0002	-2.5 to 2.5	Pass
				-30	3.80	-9.227	-0.0130	-2.5 to 2.5	Pass
				-20	3.80	-21.644	-0.0304	-2.5 to 2.5	Pass
				-10	3.80	-30.656	-0.0431	-2.5 to 2.5	Pass
				0	3.80	-41.342	-0.0581	-2.5 to 2.5	Pass
				10	3.80	-5.708	-0.0080	-2.5 to 2.5	Pass
				30	3.80	-17.667	-0.0248	-2.5 to 2.5	Pass
				40	3.80	-28.725	-0.0404	-2.5 to 2.5	Pass
				50	3.80	-37.751	-0.0531	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.40	-29.168	-0.0411	-2.5 to 2.5	Pass
					3.80	-28.625	-0.0404	-2.5 to 2.5	Pass
					4.35	-23.017	-0.0325	-2.5 to 2.5	Pass
				-30	3.80	-11.373	-0.0160	-2.5 to 2.5	Pass
				-20	3.80	4.692	0.0066	-2.5 to 2.5	Pass
				-10	3.80	18.082	0.0255	-2.5 to 2.5	Pass
				0	3.80	31.915	0.0450	-2.5 to 2.5	Pass
				10	3.80	40.598	0.0573	-2.5 to 2.5	Pass
				30	3.80	2.789	0.0039	-2.5 to 2.5	Pass
				40	3.80	11.802	0.0166	-2.5 to 2.5	Pass
				50	3.80	19.183	0.0271	-2.5 to 2.5	Pass
	710	50	0	20	3.40	-12.631	-0.0178	-2.5 to 2.5	Pass
					3.80	-1.502	-0.0021	-2.5 to 2.5	Pass
					4.35	-0.086	-0.0001	-2.5 to 2.5	Pass
				-30	3.80	2.904	0.0041	-2.5 to 2.5	Pass
				-20	3.80	3.748	0.0053	-2.5 to 2.5	Pass
				-10	3.80	5.679	0.0080	-2.5 to 2.5	Pass
				0	3.80	7.010	0.0099	-2.5 to 2.5	Pass
				10	3.80	11.058	0.0156	-2.5 to 2.5	Pass
				30	3.80	10.014	0.0141	-2.5 to 2.5	Pass
				40	3.80	9.384	0.0132	-2.5 to 2.5	Pass
				50	3.80	12.946	0.0182	-2.5 to 2.5	Pass
	711	50	0	20	3.40	-42.772	-0.0602	-2.5 to 2.5	Pass
					3.80	-6.309	-0.0089	-2.5 to 2.5	Pass
					4.35	-7.124	-0.0100	-2.5 to 2.5	Pass
				-30	3.80	-4.005	-0.0056	-2.5 to 2.5	Pass
				-20	3.80	0.114	0.0002	-2.5 to 2.5	Pass
				-10	3.80	4.249	0.0060	-2.5 to 2.5	Pass
				0	3.80	7.753	0.0109	-2.5 to 2.5	Pass
				10	3.80	14.133	0.0199	-2.5 to 2.5	Pass
				30	3.80	18.425	0.0259	-2.5 to 2.5	Pass
				40	3.80	21.415	0.0301	-2.5 to 2.5	Pass

				50	3.80	25.520	0.0359	-2.5 to 2.5	Pass
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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	3.40	-35.977	-0.0194	-2.5 to 2.5	Pass
					3.80	-35.105	-0.0190	-2.5 to 2.5	Pass
					4.35	-6.380	-0.0034	-2.5 to 2.5	Pass
				-30	3.80	-37.651	-0.0203	-2.5 to 2.5	Pass
				-20	3.80	-31.600	-0.0171	-2.5 to 2.5	Pass
				-10	3.80	-14.277	-0.0077	-2.5 to 2.5	Pass
				0	3.80	-15.249	-0.0082	-2.5 to 2.5	Pass
				10	3.80	-40.526	-0.0219	-2.5 to 2.5	Pass
				30	3.80	-38.810	-0.0210	-2.5 to 2.5	Pass
				40	3.80	-40.684	-0.0220	-2.5 to 2.5	Pass
				50	3.80	-35.548	-0.0192	-2.5 to 2.5	Pass
	1880	6	0	20	3.40	-30.499	-0.0162	-2.5 to 2.5	Pass
					3.80	-23.189	-0.0123	-2.5 to 2.5	Pass
					4.35	-27.180	-0.0145	-2.5 to 2.5	Pass
				-30	3.80	-11.072	-0.0059	-2.5 to 2.5	Pass
				-20	3.80	-17.881	-0.0095	-2.5 to 2.5	Pass
				-10	3.80	-36.507	-0.0194	-2.5 to 2.5	Pass
				0	3.80	-39.554	-0.0210	-2.5 to 2.5	Pass
				10	3.80	-24.791	-0.0132	-2.5 to 2.5	Pass
				30	3.80	-39.597	-0.0211	-2.5 to 2.5	Pass
				40	3.80	-34.289	-0.0182	-2.5 to 2.5	Pass
				50	3.80	-39.396	-0.0210	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.40	-19.269	-0.0101	-2.5 to 2.5	Pass
					3.80	-20.471	-0.0107	-2.5 to 2.5	Pass
					4.35	-22.616	-0.0118	-2.5 to 2.5	Pass
				-30	3.80	-5.550	-0.0029	-2.5 to 2.5	Pass
				-20	3.80	-23.718	-0.0124	-2.5 to 2.5	Pass
				-10	3.80	-4.992	-0.0026	-2.5 to 2.5	Pass
				0	3.80	-6.623	-0.0035	-2.5 to 2.5	Pass
				10	3.80	-39.439	-0.0207	-2.5 to 2.5	Pass
				30	3.80	2.947	0.0015	-2.5 to 2.5	Pass
				40	3.80	-30.313	-0.0159	-2.5 to 2.5	Pass
				50	3.80	-31.614	-0.0166	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.40	-31.929	-0.0173	-2.5 to 2.5	Pass
					3.80	-21.071	-0.0114	-2.5 to 2.5	Pass
					4.35	-43.602	-0.0236	-2.5 to 2.5	Pass
				-30	3.80	-30.112	-0.0163	-2.5 to 2.5	Pass
				-20	3.80	-47.293	-0.0256	-2.5 to 2.5	Pass
				-10	3.80	-34.032	-0.0184	-2.5 to 2.5	Pass
				0	3.80	-34.761	-0.0188	-2.5 to 2.5	Pass
				10	3.80	-22.845	-0.0123	-2.5 to 2.5	Pass
				30	3.80	-37.336	-0.0202	-2.5 to 2.5	Pass
				40	3.80	-25.220	-0.0136	-2.5 to 2.5	Pass

				50	3.80	-18.897	-0.0102	-2.5 to 2.5	Pass
	1880	6	0	20	3.40	-38.853	-0.0207	-2.5 to 2.5	Pass
					3.80	-31.958	-0.0170	-2.5 to 2.5	Pass
					4.35	-29.998	-0.0160	-2.5 to 2.5	Pass
					-30	3.80	-14.491	-0.0077	-2.5 to 2.5
				-20	3.80	-42.257	-0.0225	-2.5 to 2.5	Pass
				-10	3.80	-26.236	-0.0140	-2.5 to 2.5	Pass
				0	3.80	-33.574	-0.0179	-2.5 to 2.5	Pass
				10	3.80	-41.971	-0.0223	-2.5 to 2.5	Pass
				30	3.80	-15.450	-0.0082	-2.5 to 2.5	Pass
				40	3.80	-40.054	-0.0213	-2.5 to 2.5	Pass
	50	3.80	-38.366	-0.0204	-2.5 to 2.5	Pass			
	1909.3	6	0	20	3.40	-29.640	-0.0155	-2.5 to 2.5	Pass
					3.80	-32.487	-0.0170	-2.5 to 2.5	Pass
					4.35	-24.676	-0.0129	-2.5 to 2.5	Pass
				-30	3.80	-31.242	-0.0164	-2.5 to 2.5	Pass
				-20	3.80	-34.332	-0.0180	-2.5 to 2.5	Pass
				-10	3.80	-29.340	-0.0154	-2.5 to 2.5	Pass
				0	3.80	-27.423	-0.0144	-2.5 to 2.5	Pass
				10	3.80	-33.159	-0.0174	-2.5 to 2.5	Pass
				30	3.80	-28.224	-0.0148	-2.5 to 2.5	Pass
				40	3.80	-17.495	-0.0092	-2.5 to 2.5	Pass
				50	3.80	-29.168	-0.0153	-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	3.40	-17.409	-0.0094	-2.5 to 2.5	Pass
					3.80	-33.932	-0.0183	-2.5 to 2.5	Pass
					4.35	1.273	0.0007	-2.5 to 2.5	Pass
				-30	3.80	-19.412	-0.0105	-2.5 to 2.5	Pass
				-20	3.80	-42.300	-0.0228	-2.5 to 2.5	Pass
				-10	3.80	-37.479	-0.0202	-2.5 to 2.5	Pass
				0	3.80	-36.221	-0.0196	-2.5 to 2.5	Pass
				10	3.80	-31.056	-0.0168	-2.5 to 2.5	Pass
				30	3.80	-43.902	-0.0237	-2.5 to 2.5	Pass
				40	3.80	-12.317	-0.0067	-2.5 to 2.5	Pass
				50	3.80	3.204	0.0017	-2.5 to 2.5	Pass
	1880	15	0	20	3.40	19.326	0.0103	-2.5 to 2.5	Pass
					3.80	11.458	0.0061	-2.5 to 2.5	Pass
					4.35	-3.676	-0.0020	-2.5 to 2.5	Pass
				-30	3.80	-27.323	-0.0145	-2.5 to 2.5	Pass
				-20	3.80	-31.543	-0.0168	-2.5 to 2.5	Pass
				-10	3.80	-18.411	-0.0098	-2.5 to 2.5	Pass
				0	3.80	-14.377	-0.0076	-2.5 to 2.5	Pass
				10	3.80	27.165	0.0144	-2.5 to 2.5	Pass
				30	3.80	33.631	0.0179	-2.5 to 2.5	Pass
				40	3.80	11.773	0.0063	-2.5 to 2.5	Pass
				50	3.80	-17.638	-0.0094	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.40	-30.956	-0.0162	-2.5 to 2.5	Pass
					3.80	-19.212	-0.0101	-2.5 to 2.5	Pass

					4.35	-21.629	-0.0113	-2.5 to 2.5	Pass
				-30	3.80	-12.045	-0.0063	-2.5 to 2.5	Pass
				-20	3.80	-28.067	-0.0147	-2.5 to 2.5	Pass
				-10	3.80	-6.366	-0.0033	-2.5 to 2.5	Pass
				0	3.80	-24.633	-0.0129	-2.5 to 2.5	Pass
				10	3.80	-16.809	-0.0088	-2.5 to 2.5	Pass
				30	3.80	-9.513	-0.0050	-2.5 to 2.5	Pass
				40	3.80	-28.467	-0.0149	-2.5 to 2.5	Pass
				50	3.80	-24.133	-0.0126	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.40	-34.461	-0.0186	-2.5 to 2.5	Pass
					3.80	-23.818	-0.0129	-2.5 to 2.5	Pass
					4.35	-41.227	-0.0223	-2.5 to 2.5	Pass
				-30	3.80	0.787	0.0004	-2.5 to 2.5	Pass
				-20	3.80	-17.581	-0.0095	-2.5 to 2.5	Pass
				-10	3.80	-27.480	-0.0148	-2.5 to 2.5	Pass
				0	3.80	-41.456	-0.0224	-2.5 to 2.5	Pass
				10	3.80	-20.127	-0.0109	-2.5 to 2.5	Pass
				30	3.80	-28.882	-0.0156	-2.5 to 2.5	Pass
				40	3.80	17.366	0.0094	-2.5 to 2.5	Pass
				50	3.80	2.003	0.0011	-2.5 to 2.5	Pass
	1880	15	0	20	3.40	-34.289	-0.0182	-2.5 to 2.5	Pass
					3.80	-35.548	-0.0189	-2.5 to 2.5	Pass
					4.35	-39.997	-0.0213	-2.5 to 2.5	Pass
				-30	3.80	-33.703	-0.0179	-2.5 to 2.5	Pass
				-20	3.80	-24.219	-0.0129	-2.5 to 2.5	Pass
				-10	3.80	-26.121	-0.0139	-2.5 to 2.5	Pass
				0	3.80	-38.023	-0.0202	-2.5 to 2.5	Pass
				10	3.80	-24.490	-0.0130	-2.5 to 2.5	Pass
				30	3.80	-33.760	-0.0180	-2.5 to 2.5	Pass
				40	3.80	-11.902	-0.0063	-2.5 to 2.5	Pass
				50	3.80	-35.076	-0.0187	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.40	-17.080	-0.0089	-2.5 to 2.5	Pass
					3.80	-32.916	-0.0172	-2.5 to 2.5	Pass
					4.35	-29.740	-0.0156	-2.5 to 2.5	Pass
				-30	3.80	43.359	0.0227	-2.5 to 2.5	Pass
				-20	3.80	29.082	0.0152	-2.5 to 2.5	Pass
				-10	3.80	-23.632	-0.0124	-2.5 to 2.5	Pass
				0	3.80	-22.559	-0.0118	-2.5 to 2.5	Pass
				10	3.80	-35.005	-0.0183	-2.5 to 2.5	Pass
				30	3.80	-24.848	-0.0130	-2.5 to 2.5	Pass
				40	3.80	-27.180	-0.0142	-2.5 to 2.5	Pass
				50	3.80	-29.154	-0.0153	-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	3.40	-35.920	-0.0194	-2.5 to 2.5	Pass
					3.80	-37.923	-0.0205	-2.5 to 2.5	Pass
					4.35	-15.535	-0.0084	-2.5 to 2.5	Pass
				-30	3.80	-31.586	-0.0171	-2.5 to 2.5	Pass
				-20	3.80	-38.681	-0.0209	-2.5 to 2.5	Pass

				-10	3.80	-9.241	-0.0050	-2.5 to 2.5	Pass
				0	3.80	-25.778	-0.0139	-2.5 to 2.5	Pass
				10	3.80	-32.215	-0.0174	-2.5 to 2.5	Pass
				30	3.80	-28.181	-0.0152	-2.5 to 2.5	Pass
				40	3.80	-22.531	-0.0122	-2.5 to 2.5	Pass
				50	3.80	-29.497	-0.0159	-2.5 to 2.5	Pass
	1880	25	0	20	3.40	35.105	0.0187	-2.5 to 2.5	Pass
					3.80	34.132	0.0182	-2.5 to 2.5	Pass
					4.35	-9.871	-0.0053	-2.5 to 2.5	Pass
				-30	3.80	-31.099	-0.0165	-2.5 to 2.5	Pass
				-20	3.80	-23.775	-0.0126	-2.5 to 2.5	Pass
				-10	3.80	-24.862	-0.0132	-2.5 to 2.5	Pass
				0	3.80	-23.990	-0.0128	-2.5 to 2.5	Pass
				10	3.80	-36.378	-0.0194	-2.5 to 2.5	Pass
				30	3.80	-27.766	-0.0148	-2.5 to 2.5	Pass
				40	3.80	-11.945	-0.0064	-2.5 to 2.5	Pass
				50	3.80	-38.781	-0.0206	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.40	-25.692	-0.0135	-2.5 to 2.5	Pass
					3.80	-32.415	-0.0170	-2.5 to 2.5	Pass
					4.35	-27.652	-0.0145	-2.5 to 2.5	Pass
				-30	3.80	-27.866	-0.0146	-2.5 to 2.5	Pass
				-20	3.80	-31.757	-0.0166	-2.5 to 2.5	Pass
				-10	3.80	-24.590	-0.0129	-2.5 to 2.5	Pass
				0	3.80	-23.789	-0.0125	-2.5 to 2.5	Pass
				10	3.80	-21.658	-0.0114	-2.5 to 2.5	Pass
				30	3.80	-22.473	-0.0118	-2.5 to 2.5	Pass
				40	3.80	-29.211	-0.0153	-2.5 to 2.5	Pass
				50	3.80	-34.904	-0.0183	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.40	-37.394	-0.0202	-2.5 to 2.5	Pass
					3.80	-29.197	-0.0158	-2.5 to 2.5	Pass
					4.35	-26.436	-0.0143	-2.5 to 2.5	Pass
				-30	3.80	-27.494	-0.0148	-2.5 to 2.5	Pass
				-20	3.80	-15.793	-0.0085	-2.5 to 2.5	Pass
				-10	3.80	-34.719	-0.0187	-2.5 to 2.5	Pass
				0	3.80	-37.107	-0.0200	-2.5 to 2.5	Pass
				10	3.80	-23.732	-0.0128	-2.5 to 2.5	Pass
				30	3.80	-12.732	-0.0069	-2.5 to 2.5	Pass
				40	3.80	22.473	0.0121	-2.5 to 2.5	Pass
				50	3.80	20.971	0.0113	-2.5 to 2.5	Pass
	1880	25	0	20	3.40	-27.838	-0.0148	-2.5 to 2.5	Pass
					3.80	-26.894	-0.0143	-2.5 to 2.5	Pass
					4.35	-37.937	-0.0202	-2.5 to 2.5	Pass
				-30	3.80	-29.068	-0.0155	-2.5 to 2.5	Pass
				-20	3.80	-28.553	-0.0152	-2.5 to 2.5	Pass
				-10	3.80	-33.975	-0.0181	-2.5 to 2.5	Pass
				0	3.80	-34.990	-0.0186	-2.5 to 2.5	Pass
				10	3.80	-20.671	-0.0110	-2.5 to 2.5	Pass
				30	3.80	-30.899	-0.0164	-2.5 to 2.5	Pass
				40	3.80	-37.236	-0.0198	-2.5 to 2.5	Pass
				50	3.80	-18.811	-0.0100	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.40	-4.063	-0.0021	-2.5 to 2.5	Pass
					3.80	-4.377	-0.0023	-2.5 to 2.5	Pass
					4.35	-23.804	-0.0125	-2.5 to 2.5	Pass
				-30	3.80	-37.766	-0.0198	-2.5 to 2.5	Pass
				-20	3.80	-23.074	-0.0121	-2.5 to 2.5	Pass
				-10	3.80	-14.205	-0.0074	-2.5 to 2.5	Pass
				0	3.80	-19.999	-0.0105	-2.5 to 2.5	Pass

				10	3.80	-34.561	-0.0181	-2.5 to 2.5	Pass
				30	3.80	-23.990	-0.0126	-2.5 to 2.5	Pass
				40	3.80	-45.705	-0.0240	-2.5 to 2.5	Pass
				50	3.80	-23.575	-0.0124	-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	3.40	-0.286	-0.0002	-2.5 to 2.5	Pass
					3.80	-10.257	-0.0055	-2.5 to 2.5	Pass
					4.35	-27.323	-0.0147	-2.5 to 2.5	Pass
				-30	3.80	-33.073	-0.0178	-2.5 to 2.5	Pass
				-20	3.80	-7.768	-0.0042	-2.5 to 2.5	Pass
				-10	3.80	-34.332	-0.0185	-2.5 to 2.5	Pass
				0	3.80	-23.403	-0.0126	-2.5 to 2.5	Pass
				10	3.80	-11.644	-0.0063	-2.5 to 2.5	Pass
				30	3.80	-40.984	-0.0221	-2.5 to 2.5	Pass
				40	3.80	-20.199	-0.0109	-2.5 to 2.5	Pass
				50	3.80	6.480	0.0035	-2.5 to 2.5	Pass
	1880	50	0	20	3.40	2.060	0.0011	-2.5 to 2.5	Pass
					3.80	1.302	0.0007	-2.5 to 2.5	Pass
					4.35	-5.622	-0.0030	-2.5 to 2.5	Pass
				-30	3.80	-42.257	-0.0225	-2.5 to 2.5	Pass
				-20	3.80	-20.399	-0.0109	-2.5 to 2.5	Pass
				-10	3.80	-21.858	-0.0116	-2.5 to 2.5	Pass
				0	3.80	2.861	0.0015	-2.5 to 2.5	Pass
				10	3.80	-18.439	-0.0098	-2.5 to 2.5	Pass
				30	3.80	-35.005	-0.0186	-2.5 to 2.5	Pass
				40	3.80	-38.552	-0.0205	-2.5 to 2.5	Pass
				50	3.80	-20.971	-0.0112	-2.5 to 2.5	Pass
	1905	50	0	20	3.40	2.389	0.0013	-2.5 to 2.5	Pass
					3.80	-1.431	-0.0008	-2.5 to 2.5	Pass
					4.35	-21.915	-0.0115	-2.5 to 2.5	Pass
				-30	3.80	-7.067	-0.0037	-2.5 to 2.5	Pass
				-20	3.80	-24.261	-0.0127	-2.5 to 2.5	Pass
				-10	3.80	-37.436	-0.0197	-2.5 to 2.5	Pass
				0	3.80	-24.705	-0.0130	-2.5 to 2.5	Pass
				10	3.80	-37.951	-0.0199	-2.5 to 2.5	Pass
				30	3.80	-9.570	-0.0050	-2.5 to 2.5	Pass
				40	3.80	-46.749	-0.0245	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.40	-19.226	-0.0104	-2.5 to 2.5	Pass
					3.80	-41.471	-0.0224	-2.5 to 2.5	Pass
					4.35	-3.347	-0.0018	-2.5 to 2.5	Pass
				-30	3.80	-5.951	-0.0032	-2.5 to 2.5	Pass
				-20	3.80	-3.333	-0.0018	-2.5 to 2.5	Pass
				-10	3.80	-2.904	-0.0016	-2.5 to 2.5	Pass
				0	3.80	-1.345	-0.0007	-2.5 to 2.5	Pass
				10	3.80	0.901	0.0005	-2.5 to 2.5	Pass
				30	3.80	-1.645	-0.0009	-2.5 to 2.5	Pass
				40	3.80	-3.119	-0.0017	-2.5 to 2.5	Pass

	1880	50	0	50	3.80	1.903	0.0010	-2.5 to 2.5	Pass
				20	3.40	-9.742	-0.0052	-2.5 to 2.5	Pass
					3.80	-33.460	-0.0178	-2.5 to 2.5	Pass
					4.35	-52.457	-0.0279	-2.5 to 2.5	Pass
				-30	3.80	-19.984	-0.0106	-2.5 to 2.5	Pass
				-20	3.80	-35.491	-0.0189	-2.5 to 2.5	Pass
				-10	3.80	-3.233	-0.0017	-2.5 to 2.5	Pass
				0	3.80	1.802	0.0010	-2.5 to 2.5	Pass
				10	3.80	-1.531	-0.0008	-2.5 to 2.5	Pass
				30	3.80	-5.736	-0.0031	-2.5 to 2.5	Pass
	40	3.80	-11.215	-0.0060	-2.5 to 2.5	Pass			
	50	3.80	-21.687	-0.0115	-2.5 to 2.5	Pass			
	1905	50	0	20	3.40	-41.313	-0.0217	-2.5 to 2.5	Pass
					3.80	-14.348	-0.0075	-2.5 to 2.5	Pass
					4.35	-35.105	-0.0184	-2.5 to 2.5	Pass
				-30	3.80	-17.352	-0.0091	-2.5 to 2.5	Pass
				-20	3.80	-30.599	-0.0161	-2.5 to 2.5	Pass
				-10	3.80	-39.167	-0.0206	-2.5 to 2.5	Pass
				0	3.80	-45.691	-0.0240	-2.5 to 2.5	Pass
				10	3.80	17.281	0.0091	-2.5 to 2.5	Pass
				30	3.80	16.608	0.0087	-2.5 to 2.5	Pass
				40	3.80	12.288	0.0065	-2.5 to 2.5	Pass
				50	3.80	11.458	0.0060	-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	3.40	26.693	0.0144	-2.5 to 2.5	Pass
					3.80	23.317	0.0126	-2.5 to 2.5	Pass
					4.35	28.152	0.0152	-2.5 to 2.5	Pass
				-30	3.80	-2.275	-0.0012	-2.5 to 2.5	Pass
				-20	3.80	12.102	0.0065	-2.5 to 2.5	Pass
				-10	3.80	22.602	0.0122	-2.5 to 2.5	Pass
				0	3.80	28.195	0.0152	-2.5 to 2.5	Pass
				10	3.80	35.119	0.0189	-2.5 to 2.5	Pass
				30	3.80	37.694	0.0203	-2.5 to 2.5	Pass
				40	3.80	40.069	0.0216	-2.5 to 2.5	Pass
	1880	75	0	50	3.80	43.201	0.0233	-2.5 to 2.5	Pass
				20	3.40	19.398	0.0103	-2.5 to 2.5	Pass
					3.80	31.643	0.0168	-2.5 to 2.5	Pass
					4.35	24.605	0.0131	-2.5 to 2.5	Pass
				-30	3.80	9.570	0.0051	-2.5 to 2.5	Pass
				-20	3.80	-9.727	-0.0052	-2.5 to 2.5	Pass
				-10	3.80	-33.545	-0.0178	-2.5 to 2.5	Pass
				0	3.80	-27.165	-0.0144	-2.5 to 2.5	Pass
				10	3.80	-29.755	-0.0158	-2.5 to 2.5	Pass
				30	3.80	-20.571	-0.0109	-2.5 to 2.5	Pass
	1902.5	75	0	40	3.80	-10.357	-0.0055	-2.5 to 2.5	Pass
				50	3.80	-28.367	-0.0151	-2.5 to 2.5	Pass
				20	3.40	9.513	0.0050	-2.5 to 2.5	Pass
					3.80	12.488	0.0066	-2.5 to 2.5	Pass

					4.35	3.090	0.0016	-2.5 to 2.5	Pass
				-30	3.80	-7.267	-0.0038	-2.5 to 2.5	Pass
				-20	3.80	-20.599	-0.0108	-2.5 to 2.5	Pass
				-10	3.80	-39.554	-0.0208	-2.5 to 2.5	Pass
				0	3.80	-26.822	-0.0141	-2.5 to 2.5	Pass
				10	3.80	-44.146	-0.0232	-2.5 to 2.5	Pass
				30	3.80	-31.285	-0.0164	-2.5 to 2.5	Pass
				40	3.80	-7.453	-0.0039	-2.5 to 2.5	Pass
				50	3.80	-28.825	-0.0152	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.40	42.315	0.0228	-2.5 to 2.5	Pass
					3.80	29.283	0.0158	-2.5 to 2.5	Pass
					4.35	22.001	0.0118	-2.5 to 2.5	Pass
				-30	3.80	38.095	0.0205	-2.5 to 2.5	Pass
				-20	3.80	14.877	0.0080	-2.5 to 2.5	Pass
				-10	3.80	36.035	0.0194	-2.5 to 2.5	Pass
				0	3.80	34.032	0.0183	-2.5 to 2.5	Pass
				10	3.80	21.214	0.0114	-2.5 to 2.5	Pass
				30	3.80	22.159	0.0119	-2.5 to 2.5	Pass
				40	3.80	11.745	0.0063	-2.5 to 2.5	Pass
				50	3.80	28.982	0.0156	-2.5 to 2.5	Pass
	1880	75	0	20	3.40	-48.966	-0.0260	-2.5 to 2.5	Pass
					3.80	-1.302	-0.0007	-2.5 to 2.5	Pass
					4.35	-41.156	-0.0219	-2.5 to 2.5	Pass
				-30	3.80	-38.996	-0.0207	-2.5 to 2.5	Pass
				-20	3.80	-25.163	-0.0134	-2.5 to 2.5	Pass
				-10	3.80	-22.316	-0.0119	-2.5 to 2.5	Pass
				0	3.80	-15.836	-0.0084	-2.5 to 2.5	Pass
				10	3.80	-12.331	-0.0066	-2.5 to 2.5	Pass
				30	3.80	-8.583	-0.0046	-2.5 to 2.5	Pass
				40	3.80	-0.057	0.0000	-2.5 to 2.5	Pass
				50	3.80	3.047	0.0016	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.40	-45.018	-0.0237	-2.5 to 2.5	Pass
					3.80	-15.936	-0.0084	-2.5 to 2.5	Pass
					4.35	-6.652	-0.0035	-2.5 to 2.5	Pass
				-30	3.80	-8.483	-0.0045	-2.5 to 2.5	Pass
				-20	3.80	-9.027	-0.0047	-2.5 to 2.5	Pass
				-10	3.80	-6.995	-0.0037	-2.5 to 2.5	Pass
				0	3.80	-3.448	-0.0018	-2.5 to 2.5	Pass
				10	3.80	-2.046	-0.0011	-2.5 to 2.5	Pass
				30	3.80	1.874	0.0010	-2.5 to 2.5	Pass
				40	3.80	3.877	0.0020	-2.5 to 2.5	Pass
				50	3.80	6.623	0.0035	-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	3.40	15.507	0.0083	-2.5 to 2.5	Pass
					3.80	37.136	0.0200	-2.5 to 2.5	Pass
					4.35	9.055	0.0049	-2.5 to 2.5	Pass
				-30	3.80	8.197	0.0044	-2.5 to 2.5	Pass
				-20	3.80	0.973	0.0005	-2.5 to 2.5	Pass

				-10	3.80	2.146	0.0012	-2.5 to 2.5	Pass
				0	3.80	-0.672	-0.0004	-2.5 to 2.5	Pass
				10	3.80	3.419	0.0018	-2.5 to 2.5	Pass
				30	3.80	0.730	0.0004	-2.5 to 2.5	Pass
				40	3.80	2.875	0.0015	-2.5 to 2.5	Pass
				50	3.80	-1.931	-0.0010	-2.5 to 2.5	Pass
	1880	100	0	20	3.40	15.464	0.0082	-2.5 to 2.5	Pass
					3.80	21.830	0.0116	-2.5 to 2.5	Pass
					4.35	19.569	0.0104	-2.5 to 2.5	Pass
				-30	3.80	9.170	0.0049	-2.5 to 2.5	Pass
				-20	3.80	-0.973	-0.0005	-2.5 to 2.5	Pass
				-10	3.80	-17.180	-0.0091	-2.5 to 2.5	Pass
				0	3.80	-31.171	-0.0166	-2.5 to 2.5	Pass
				10	3.80	-46.506	-0.0247	-2.5 to 2.5	Pass
				30	3.80	-38.795	-0.0206	-2.5 to 2.5	Pass
				40	3.80	-19.312	-0.0103	-2.5 to 2.5	Pass
				50	3.80	-34.533	-0.0184	-2.5 to 2.5	Pass
	1900	100	0	20	3.40	2.246	0.0012	-2.5 to 2.5	Pass
					3.80	17.209	0.0091	-2.5 to 2.5	Pass
					4.35	19.612	0.0103	-2.5 to 2.5	Pass
				-30	3.80	11.702	0.0062	-2.5 to 2.5	Pass
				-20	3.80	3.119	0.0016	-2.5 to 2.5	Pass
				-10	3.80	-5.221	-0.0027	-2.5 to 2.5	Pass
				0	3.80	-20.385	-0.0107	-2.5 to 2.5	Pass
				10	3.80	-33.016	-0.0174	-2.5 to 2.5	Pass
				30	3.80	-45.862	-0.0241	-2.5 to 2.5	Pass
				40	3.80	-29.769	-0.0157	-2.5 to 2.5	Pass
				50	3.80	-22.917	-0.0121	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.40	-6.938	-0.0037	-2.5 to 2.5	Pass
					3.80	-7.825	-0.0042	-2.5 to 2.5	Pass
					4.35	-4.334	-0.0023	-2.5 to 2.5	Pass
				-30	3.80	4.463	0.0024	-2.5 to 2.5	Pass
				-20	3.80	15.936	0.0086	-2.5 to 2.5	Pass
				-10	3.80	24.047	0.0129	-2.5 to 2.5	Pass
				0	3.80	41.542	0.0223	-2.5 to 2.5	Pass
				10	3.80	11.244	0.0060	-2.5 to 2.5	Pass
				30	3.80	31.271	0.0168	-2.5 to 2.5	Pass
				40	3.80	-0.443	-0.0002	-2.5 to 2.5	Pass
				50	3.80	14.777	0.0079	-2.5 to 2.5	Pass
	1880	100	0	20	3.40	1.917	0.0010	-2.5 to 2.5	Pass
					3.80	-1.202	-0.0006	-2.5 to 2.5	Pass
					4.35	1.516	0.0008	-2.5 to 2.5	Pass
				-30	3.80	12.259	0.0065	-2.5 to 2.5	Pass
				-20	3.80	28.453	0.0151	-2.5 to 2.5	Pass
				-10	3.80	16.122	0.0086	-2.5 to 2.5	Pass
				0	3.80	6.437	0.0034	-2.5 to 2.5	Pass
				10	3.80	15.721	0.0084	-2.5 to 2.5	Pass
				30	3.80	10.328	0.0055	-2.5 to 2.5	Pass
				40	3.80	11.258	0.0060	-2.5 to 2.5	Pass
				50	3.80	20.084	0.0107	-2.5 to 2.5	Pass
	1900	100	0	20	3.40	-34.003	-0.0179	-2.5 to 2.5	Pass
					3.80	-34.075	-0.0179	-2.5 to 2.5	Pass
					4.35	-25.964	-0.0137	-2.5 to 2.5	Pass
				-30	3.80	-14.033	-0.0074	-2.5 to 2.5	Pass
				-20	3.80	-7.682	-0.0040	-2.5 to 2.5	Pass
				-10	3.80	-2.346	-0.0012	-2.5 to 2.5	Pass
				0	3.80	2.775	0.0015	-2.5 to 2.5	Pass

				10	3.80	14.563	0.0077	-2.5 to 2.5	Pass
				30	3.80	23.932	0.0126	-2.5 to 2.5	Pass
				40	3.80	32.959	0.0173	-2.5 to 2.5	Pass
				50	3.80	44.017	0.0232	-2.5 to 2.5	Pass

5. Frequency Stability

5.1 B4_1.4MHz

5.1.1 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	3.40	23.746	0.0139	-2.5 to 2.5	Pass
					3.80	2.046	0.0012	-2.5 to 2.5	Pass
					4.35	19.255	0.0113	-2.5 to 2.5	Pass
				-30	3.80	41.556	0.0243	-2.5 to 2.5	Pass
				-20	3.80	14.391	0.0084	-2.5 to 2.5	Pass
				-10	3.80	10.800	0.0063	-2.5 to 2.5	Pass
				0	3.80	-4.749	-0.0028	-2.5 to 2.5	Pass
				10	3.80	-19.727	-0.0115	-2.5 to 2.5	Pass
				30	3.80	-31.128	-0.0182	-2.5 to 2.5	Pass
				40	3.80	0.772	0.0005	-2.5 to 2.5	Pass
				50	3.80	-13.375	-0.0078	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.40	-1.345	-0.0008	-2.5 to 2.5	Pass
					3.80	14.091	0.0081	-2.5 to 2.5	Pass
					4.35	30.227	0.0174	-2.5 to 2.5	Pass
				-30	3.80	21.844	0.0126	-2.5 to 2.5	Pass
				-20	3.80	32.530	0.0188	-2.5 to 2.5	Pass
				-10	3.80	10.071	0.0058	-2.5 to 2.5	Pass
				0	3.80	23.661	0.0137	-2.5 to 2.5	Pass
				10	3.80	38.095	0.0220	-2.5 to 2.5	Pass
				30	3.80	-1.173	-0.0007	-2.5 to 2.5	Pass
				40	3.80	9.084	0.0052	-2.5 to 2.5	Pass
				50	3.80	19.155	0.0111	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.40	26.522	0.0151	-2.5 to 2.5	Pass
					3.80	10.128	0.0058	-2.5 to 2.5	Pass
					4.35	27.409	0.0156	-2.5 to 2.5	Pass
				-30	3.80	30.713	0.0175	-2.5 to 2.5	Pass
				-20	3.80	21.272	0.0121	-2.5 to 2.5	Pass
				-10	3.80	4.120	0.0023	-2.5 to 2.5	Pass
				0	3.80	-16.494	-0.0094	-2.5 to 2.5	Pass
				10	3.80	-39.754	-0.0227	-2.5 to 2.5	Pass
				30	3.80	-14.405	-0.0082	-2.5 to 2.5	Pass
				40	3.80	-10.300	-0.0059	-2.5 to 2.5	Pass
				50	3.80	-30.084	-0.0171	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.40	-1.245	-0.0007	-2.5 to 2.5	Pass
					3.80	-24.576	-0.0144	-2.5 to 2.5	Pass
					4.35	-35.076	-0.0205	-2.5 to 2.5	Pass
				-30	3.80	-36.306	-0.0212	-2.5 to 2.5	Pass
				-20	3.80	-29.755	-0.0174	-2.5 to 2.5	Pass
				-10	3.80	-24.648	-0.0144	-2.5 to 2.5	Pass
				0	3.80	-19.841	-0.0116	-2.5 to 2.5	Pass

				10	3.80	-10.014	-0.0059	-2.5 to 2.5	Pass
				30	3.80	-2.346	-0.0014	-2.5 to 2.5	Pass
				40	3.80	5.465	0.0032	-2.5 to 2.5	Pass
				50	3.80	14.062	0.0082	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.40	27.909	0.0161	-2.5 to 2.5	Pass
					3.80	29.998	0.0173	-2.5 to 2.5	Pass
					4.35	30.584	0.0177	-2.5 to 2.5	Pass
				-30	3.80	21.415	0.0124	-2.5 to 2.5	Pass
				-20	3.80	11.415	0.0066	-2.5 to 2.5	Pass
				-10	3.80	38.280	0.0221	-2.5 to 2.5	Pass
				0	3.80	11.873	0.0069	-2.5 to 2.5	Pass
				10	3.80	11.287	0.0065	-2.5 to 2.5	Pass
				30	3.80	5.250	0.0030	-2.5 to 2.5	Pass
				40	3.80	3.734	0.0022	-2.5 to 2.5	Pass
				50	3.80	36.864	0.0213	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.40	-15.521	-0.0088	-2.5 to 2.5	Pass
					3.80	-28.682	-0.0163	-2.5 to 2.5	Pass
					4.35	-35.319	-0.0201	-2.5 to 2.5	Pass
				-30	3.80	-36.149	-0.0206	-2.5 to 2.5	Pass
				-20	3.80	-35.348	-0.0201	-2.5 to 2.5	Pass
				-10	3.80	-31.972	-0.0182	-2.5 to 2.5	Pass
				0	3.80	-26.078	-0.0149	-2.5 to 2.5	Pass
				10	3.80	-26.422	-0.0151	-2.5 to 2.5	Pass
				30	3.80	-16.980	-0.0097	-2.5 to 2.5	Pass
				40	3.80	-10.414	-0.0059	-2.5 to 2.5	Pass
				50	3.80	-11.573	-0.0066	-2.5 to 2.5	Pass

5.2 B4_3MHz

5.2.1 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	3.40	30.985	0.0181	-2.5 to 2.5	Pass
					3.80	24.276	0.0142	-2.5 to 2.5	Pass
					4.35	26.178	0.0153	-2.5 to 2.5	Pass
				-30	3.80	9.284	0.0054	-2.5 to 2.5	Pass
				-20	3.80	-9.584	-0.0056	-2.5 to 2.5	Pass
				-10	3.80	-23.003	-0.0134	-2.5 to 2.5	Pass
				0	3.80	-18.253	-0.0107	-2.5 to 2.5	Pass
				10	3.80	-23.975	-0.0140	-2.5 to 2.5	Pass
				30	3.80	-18.640	-0.0109	-2.5 to 2.5	Pass
				40	3.80	-23.704	-0.0138	-2.5 to 2.5	Pass
	1732.5	15	0	50	3.80	-35.019	-0.0205	-2.5 to 2.5	Pass
				20	3.40	-21.243	-0.0123	-2.5 to 2.5	Pass
					3.80	-33.445	-0.0193	-2.5 to 2.5	Pass
					4.35	-26.279	-0.0152	-2.5 to 2.5	Pass
				-30	3.80	-28.539	-0.0165	-2.5 to 2.5	Pass
				-20	3.80	0.830	0.0005	-2.5 to 2.5	Pass
				-10	3.80	-36.078	-0.0208	-2.5 to 2.5	Pass
				0	3.80	-19.856	-0.0115	-2.5 to 2.5	Pass
				10	3.80	-17.781	-0.0103	-2.5 to 2.5	Pass
				30	3.80	-12.503	-0.0072	-2.5 to 2.5	Pass
				40	3.80	1.473	0.0009	-2.5 to 2.5	Pass

	1753.5	15	0	50	3.80	-30.742	-0.0177	-2.5 to 2.5	Pass
				20	3.40	-2.904	-0.0017	-2.5 to 2.5	Pass
					3.80	-5.493	-0.0031	-2.5 to 2.5	Pass
					4.35	-9.785	-0.0056	-2.5 to 2.5	Pass
				-30	3.80	-24.190	-0.0138	-2.5 to 2.5	Pass
				-20	3.80	-13.118	-0.0075	-2.5 to 2.5	Pass
				-10	3.80	-46.120	-0.0263	-2.5 to 2.5	Pass
				0	3.80	-42.372	-0.0242	-2.5 to 2.5	Pass
				10	3.80	-15.464	-0.0088	-2.5 to 2.5	Pass
				30	3.80	-16.322	-0.0093	-2.5 to 2.5	Pass
				40	3.80	-20.671	-0.0118	-2.5 to 2.5	Pass
				50	3.80	-27.494	-0.0157	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.40	-17.781	-0.0104	-2.5 to 2.5	Pass
					3.80	-16.494	-0.0096	-2.5 to 2.5	Pass
					4.35	-35.577	-0.0208	-2.5 to 2.5	Pass
					3.80	-36.964	-0.0216	-2.5 to 2.5	Pass
				-30	3.80	-36.964	-0.0216	-2.5 to 2.5	Pass
				-20	3.80	-35.448	-0.0207	-2.5 to 2.5	Pass
				-10	3.80	-1.216	-0.0007	-2.5 to 2.5	Pass
				0	3.80	-7.052	-0.0041	-2.5 to 2.5	Pass
				10	3.80	-12.846	-0.0075	-2.5 to 2.5	Pass
				30	3.80	-25.520	-0.0149	-2.5 to 2.5	Pass
				40	3.80	-19.326	-0.0113	-2.5 to 2.5	Pass
				50	3.80	-42.472	-0.0248	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.40	-28.696	-0.0166	-2.5 to 2.5	Pass
					3.80	-18.153	-0.0105	-2.5 to 2.5	Pass
					4.35	-36.850	-0.0213	-2.5 to 2.5	Pass
					3.80	-22.244	-0.0128	-2.5 to 2.5	Pass
				-30	3.80	-22.244	-0.0128	-2.5 to 2.5	Pass
				-20	3.80	-38.280	-0.0221	-2.5 to 2.5	Pass
				-10	3.80	-13.490	-0.0078	-2.5 to 2.5	Pass
				0	3.80	-20.900	-0.0121	-2.5 to 2.5	Pass
				10	3.80	-26.007	-0.0150	-2.5 to 2.5	Pass
				30	3.80	-28.381	-0.0164	-2.5 to 2.5	Pass
				40	3.80	-27.008	-0.0156	-2.5 to 2.5	Pass
				50	3.80	-28.768	-0.0166	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.40	-32.558	-0.0186	-2.5 to 2.5	Pass
					3.80	-8.383	-0.0048	-2.5 to 2.5	Pass
					4.35	-5.536	-0.0032	-2.5 to 2.5	Pass
					3.80	-31.700	-0.0181	-2.5 to 2.5	Pass
				-30	3.80	-31.700	-0.0181	-2.5 to 2.5	Pass
				-20	3.80	-13.876	-0.0079	-2.5 to 2.5	Pass
				-10	3.80	-31.815	-0.0181	-2.5 to 2.5	Pass
				0	3.80	-12.360	-0.0070	-2.5 to 2.5	Pass
				10	3.80	-26.693	-0.0152	-2.5 to 2.5	Pass
				30	3.80	-8.254	-0.0047	-2.5 to 2.5	Pass
				40	3.80	-28.095	-0.0160	-2.5 to 2.5	Pass
				50	3.80	-40.669	-0.0232	-2.5 to 2.5	Pass

5.3 B4_5MHz

5.3.1 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	3.40	23.918	0.0140	-2.5 to 2.5	Pass
					3.80	36.249	0.0212	-2.5 to 2.5	Pass

					4.35	-3.991	-0.0023	-2.5 to 2.5	Pass
				-30	3.80	-3.834	-0.0022	-2.5 to 2.5	Pass
				-20	3.80	-11.001	-0.0064	-2.5 to 2.5	Pass
				-10	3.80	-22.802	-0.0133	-2.5 to 2.5	Pass
				0	3.80	7.367	0.0043	-2.5 to 2.5	Pass
				10	3.80	-16.222	-0.0095	-2.5 to 2.5	Pass
				30	3.80	-22.545	-0.0132	-2.5 to 2.5	Pass
				40	3.80	-31.300	-0.0183	-2.5 to 2.5	Pass
				50	3.80	-24.648	-0.0144	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.40	-13.075	-0.0075	-2.5 to 2.5	Pass
					3.80	-13.461	-0.0078	-2.5 to 2.5	Pass
					4.35	-10.815	-0.0062	-2.5 to 2.5	Pass
				-30	3.80	-10.085	-0.0058	-2.5 to 2.5	Pass
				-20	3.80	-11.473	-0.0066	-2.5 to 2.5	Pass
				-10	3.80	-14.491	-0.0084	-2.5 to 2.5	Pass
				0	3.80	-16.708	-0.0096	-2.5 to 2.5	Pass
				10	3.80	-17.881	-0.0103	-2.5 to 2.5	Pass
				30	3.80	-20.771	-0.0120	-2.5 to 2.5	Pass
				40	3.80	-20.514	-0.0118	-2.5 to 2.5	Pass
				50	3.80	-23.389	-0.0135	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.40	8.197	0.0047	-2.5 to 2.5	Pass
					3.80	25.592	0.0146	-2.5 to 2.5	Pass
					4.35	33.402	0.0191	-2.5 to 2.5	Pass
				-30	3.80	-0.544	-0.0003	-2.5 to 2.5	Pass
				-20	3.80	-4.506	-0.0026	-2.5 to 2.5	Pass
				-10	3.80	-12.217	-0.0070	-2.5 to 2.5	Pass
				0	3.80	-29.583	-0.0169	-2.5 to 2.5	Pass
				10	3.80	-9.270	-0.0053	-2.5 to 2.5	Pass
				30	3.80	-30.284	-0.0173	-2.5 to 2.5	Pass
				40	3.80	-19.956	-0.0114	-2.5 to 2.5	Pass
				50	3.80	-44.632	-0.0255	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.40	-21.443	-0.0125	-2.5 to 2.5	Pass
					3.80	-44.789	-0.0262	-2.5 to 2.5	Pass
					4.35	-27.380	-0.0160	-2.5 to 2.5	Pass
				-30	3.80	-28.968	-0.0169	-2.5 to 2.5	Pass
				-20	3.80	-17.524	-0.0102	-2.5 to 2.5	Pass
				-10	3.80	-28.925	-0.0169	-2.5 to 2.5	Pass
				0	3.80	-35.920	-0.0210	-2.5 to 2.5	Pass
				10	3.80	-20.871	-0.0122	-2.5 to 2.5	Pass
				30	3.80	-12.732	-0.0074	-2.5 to 2.5	Pass
				40	3.80	-22.430	-0.0131	-2.5 to 2.5	Pass
				50	3.80	-23.947	-0.0140	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.40	-30.198	-0.0174	-2.5 to 2.5	Pass
					3.80	-27.881	-0.0161	-2.5 to 2.5	Pass
					4.35	-22.573	-0.0130	-2.5 to 2.5	Pass
				-30	3.80	-15.121	-0.0087	-2.5 to 2.5	Pass
				-20	3.80	-2.732	-0.0016	-2.5 to 2.5	Pass
				-10	3.80	6.952	0.0040	-2.5 to 2.5	Pass
				0	3.80	21.014	0.0121	-2.5 to 2.5	Pass
				10	3.80	35.834	0.0207	-2.5 to 2.5	Pass
				30	3.80	16.923	0.0098	-2.5 to 2.5	Pass
				40	3.80	32.988	0.0190	-2.5 to 2.5	Pass
				50	3.80	13.547	0.0078	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.40	-19.712	-0.0112	-2.5 to 2.5	Pass
					3.80	-11.215	-0.0064	-2.5 to 2.5	Pass
					4.35	-19.012	-0.0108	-2.5 to 2.5	Pass
				-30	3.80	-32.101	-0.0183	-2.5 to 2.5	Pass

				-20	3.80	-8.526	-0.0049	-2.5 to 2.5	Pass
				-10	3.80	-4.034	-0.0023	-2.5 to 2.5	Pass
				0	3.80	-8.912	-0.0051	-2.5 to 2.5	Pass
				10	3.80	-10.085	-0.0058	-2.5 to 2.5	Pass
				30	3.80	-17.295	-0.0099	-2.5 to 2.5	Pass
				40	3.80	-19.641	-0.0112	-2.5 to 2.5	Pass
				50	3.80	-20.728	-0.0118	-2.5 to 2.5	Pass

5.4 B4_10MHz

5.4.1 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	3.40	25.921	0.0151	-2.5 to 2.5	Pass
					3.80	6.638	0.0039	-2.5 to 2.5	Pass
					4.35	25.434	0.0148	-2.5 to 2.5	Pass
				-30	3.80	-14.992	-0.0087	-2.5 to 2.5	Pass
				-20	3.80	-19.684	-0.0115	-2.5 to 2.5	Pass
				-10	3.80	-34.075	-0.0199	-2.5 to 2.5	Pass
				0	3.80	0.601	0.0004	-2.5 to 2.5	Pass
				10	3.80	-19.755	-0.0115	-2.5 to 2.5	Pass
				30	3.80	-41.656	-0.0243	-2.5 to 2.5	Pass
				40	3.80	-8.783	-0.0051	-2.5 to 2.5	Pass
				50	3.80	-30.956	-0.0181	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.40	22.016	0.0127	-2.5 to 2.5	Pass
					3.80	36.464	0.0210	-2.5 to 2.5	Pass
					4.35	45.061	0.0260	-2.5 to 2.5	Pass
				-30	3.80	-11.544	-0.0067	-2.5 to 2.5	Pass
				-20	3.80	-9.856	-0.0057	-2.5 to 2.5	Pass
				-10	3.80	-8.554	-0.0049	-2.5 to 2.5	Pass
				0	3.80	-10.901	-0.0063	-2.5 to 2.5	Pass
				10	3.80	-10.228	-0.0059	-2.5 to 2.5	Pass
				30	3.80	-12.417	-0.0072	-2.5 to 2.5	Pass
				40	3.80	-13.118	-0.0076	-2.5 to 2.5	Pass
				50	3.80	-16.065	-0.0093	-2.5 to 2.5	Pass
	1750	50	0	20	3.40	28.024	0.0160	-2.5 to 2.5	Pass
					3.80	-11.587	-0.0066	-2.5 to 2.5	Pass
					4.35	-10.800	-0.0062	-2.5 to 2.5	Pass
				-30	3.80	-21.186	-0.0121	-2.5 to 2.5	Pass
				-20	3.80	-44.832	-0.0256	-2.5 to 2.5	Pass
				-10	3.80	-9.241	-0.0053	-2.5 to 2.5	Pass
				0	3.80	-18.168	-0.0104	-2.5 to 2.5	Pass
				10	3.80	-36.278	-0.0207	-2.5 to 2.5	Pass
				30	3.80	-28.181	-0.0161	-2.5 to 2.5	Pass
				40	3.80	-32.029	-0.0183	-2.5 to 2.5	Pass
				50	3.80	-31.085	-0.0178	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.40	-15.478	-0.0090	-2.5 to 2.5	Pass
					3.80	-26.779	-0.0156	-2.5 to 2.5	Pass
					4.35	-31.986	-0.0187	-2.5 to 2.5	Pass
				-30	3.80	-31.829	-0.0186	-2.5 to 2.5	Pass
				-20	3.80	-35.119	-0.0205	-2.5 to 2.5	Pass
				-10	3.80	-28.567	-0.0167	-2.5 to 2.5	Pass
				0	3.80	-27.595	-0.0161	-2.5 to 2.5	Pass

				10	3.80	-19.741	-0.0115	-2.5 to 2.5	Pass
				30	3.80	-8.898	-0.0052	-2.5 to 2.5	Pass
				40	3.80	4.992	0.0029	-2.5 to 2.5	Pass
				50	3.80	11.444	0.0067	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.40	-17.381	-0.0100	-2.5 to 2.5	Pass
					3.80	-16.708	-0.0096	-2.5 to 2.5	Pass
					4.35	-13.232	-0.0076	-2.5 to 2.5	Pass
				-30	3.80	1.431	0.0008	-2.5 to 2.5	Pass
				-20	3.80	13.075	0.0075	-2.5 to 2.5	Pass
				-10	3.80	33.331	0.0192	-2.5 to 2.5	Pass
				0	3.80	16.079	0.0093	-2.5 to 2.5	Pass
				10	3.80	37.236	0.0215	-2.5 to 2.5	Pass
				30	3.80	22.774	0.0131	-2.5 to 2.5	Pass
				40	3.80	2.761	0.0016	-2.5 to 2.5	Pass
				50	3.80	17.581	0.0101	-2.5 to 2.5	Pass
	1750	50	0	20	3.40	-23.961	-0.0137	-2.5 to 2.5	Pass
					3.80	-30.599	-0.0175	-2.5 to 2.5	Pass
					4.35	5.608	0.0032	-2.5 to 2.5	Pass
				-30	3.80	-0.815	-0.0005	-2.5 to 2.5	Pass
				-20	3.80	-1.359	-0.0008	-2.5 to 2.5	Pass
				-10	3.80	1.874	0.0011	-2.5 to 2.5	Pass
				0	3.80	4.363	0.0025	-2.5 to 2.5	Pass
				10	3.80	6.480	0.0037	-2.5 to 2.5	Pass
				30	3.80	6.208	0.0035	-2.5 to 2.5	Pass
				40	3.80	10.285	0.0059	-2.5 to 2.5	Pass
				50	3.80	16.308	0.0093	-2.5 to 2.5	Pass

5.5 B4_15MHz

5.5.1 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	3.40	26.951	0.0157	-2.5 to 2.5	Pass
					3.80	29.025	0.0169	-2.5 to 2.5	Pass
					4.35	16.179	0.0094	-2.5 to 2.5	Pass
				-30	3.80	27.337	0.0159	-2.5 to 2.5	Pass
				-20	3.80	29.569	0.0172	-2.5 to 2.5	Pass
				-10	3.80	21.329	0.0124	-2.5 to 2.5	Pass
				0	3.80	10.657	0.0062	-2.5 to 2.5	Pass
				10	3.80	-5.322	-0.0031	-2.5 to 2.5	Pass
				30	3.80	-20.757	-0.0121	-2.5 to 2.5	Pass
				40	3.80	-35.934	-0.0209	-2.5 to 2.5	Pass
				50	3.80	-18.525	-0.0108	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.40	22.402	0.0129	-2.5 to 2.5	Pass
					3.80	-9.484	-0.0055	-2.5 to 2.5	Pass
					4.35	1.731	0.0010	-2.5 to 2.5	Pass
				-30	3.80	1.745	0.0010	-2.5 to 2.5	Pass
				-20	3.80	-1.588	-0.0009	-2.5 to 2.5	Pass
				-10	3.80	-8.225	-0.0047	-2.5 to 2.5	Pass
				0	3.80	-12.517	-0.0072	-2.5 to 2.5	Pass
				10	3.80	-23.203	-0.0134	-2.5 to 2.5	Pass
				30	3.80	-35.534	-0.0205	-2.5 to 2.5	Pass
				40	3.80	-4.177	-0.0024	-2.5 to 2.5	Pass

	1747.5	75	0	50	3.80	-4.706	-0.0027	-2.5 to 2.5	Pass
				20	3.40	9.227	0.0053	-2.5 to 2.5	Pass
					3.80	26.507	0.0152	-2.5 to 2.5	Pass
					4.35	31.300	0.0179	-2.5 to 2.5	Pass
				-30	3.80	19.341	0.0111	-2.5 to 2.5	Pass
				-20	3.80	-0.343	-0.0002	-2.5 to 2.5	Pass
				-10	3.80	-23.174	-0.0133	-2.5 to 2.5	Pass
				0	3.80	-12.231	-0.0070	-2.5 to 2.5	Pass
				10	3.80	-39.268	-0.0225	-2.5 to 2.5	Pass
				30	3.80	-30.527	-0.0175	-2.5 to 2.5	Pass
				40	3.80	-27.080	-0.0155	-2.5 to 2.5	Pass
				50	3.80	-0.072	0.0000	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.40	-37.951	-0.0221	-2.5 to 2.5	Pass
					3.80	-43.674	-0.0254	-2.5 to 2.5	Pass
					4.35	7.310	0.0043	-2.5 to 2.5	Pass
				-30	3.80	7.453	0.0043	-2.5 to 2.5	Pass
				-20	3.80	16.251	0.0095	-2.5 to 2.5	Pass
				-10	3.80	18.525	0.0108	-2.5 to 2.5	Pass
				0	3.80	24.519	0.0143	-2.5 to 2.5	Pass
				10	3.80	30.355	0.0177	-2.5 to 2.5	Pass
				30	3.80	39.439	0.0230	-2.5 to 2.5	Pass
				40	3.80	0.629	0.0004	-2.5 to 2.5	Pass
				50	3.80	12.846	0.0075	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.40	-15.407	-0.0089	-2.5 to 2.5	Pass
					3.80	-12.989	-0.0075	-2.5 to 2.5	Pass
					4.35	-7.982	-0.0046	-2.5 to 2.5	Pass
				-30	3.80	-1.073	-0.0006	-2.5 to 2.5	Pass
				-20	3.80	18.096	0.0104	-2.5 to 2.5	Pass
				-10	3.80	9.627	0.0056	-2.5 to 2.5	Pass
				0	3.80	1.717	0.0010	-2.5 to 2.5	Pass
				10	3.80	19.212	0.0111	-2.5 to 2.5	Pass
				30	3.80	6.366	0.0037	-2.5 to 2.5	Pass
				40	3.80	15.693	0.0091	-2.5 to 2.5	Pass
				50	3.80	30.556	0.0176	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.40	-35.276	-0.0202	-2.5 to 2.5	Pass
					3.80	-21.601	-0.0124	-2.5 to 2.5	Pass
					4.35	-12.617	-0.0072	-2.5 to 2.5	Pass
				-30	3.80	-3.777	-0.0022	-2.5 to 2.5	Pass
				-20	3.80	-9.427	-0.0054	-2.5 to 2.5	Pass
				-10	3.80	-8.526	-0.0049	-2.5 to 2.5	Pass
				0	3.80	-10.858	-0.0062	-2.5 to 2.5	Pass
				10	3.80	-4.935	-0.0028	-2.5 to 2.5	Pass
				30	3.80	-3.619	-0.0021	-2.5 to 2.5	Pass
				40	3.80	-4.892	-0.0028	-2.5 to 2.5	Pass
				50	3.80	-0.873	-0.0005	-2.5 to 2.5	Pass

5.6 B4_20MHz

5.6.1 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	3.40	31.843	0.0185	-2.5 to 2.5	Pass
					3.80	9.542	0.0055	-2.5 to 2.5	Pass

					4.35	-19.798	-0.0115	-2.5 to 2.5	Pass
				-30	3.80	-24.076	-0.0140	-2.5 to 2.5	Pass
				-20	3.80	-30.184	-0.0175	-2.5 to 2.5	Pass
				-10	3.80	-28.510	-0.0166	-2.5 to 2.5	Pass
				0	3.80	-23.417	-0.0136	-2.5 to 2.5	Pass
				10	3.80	-25.907	-0.0151	-2.5 to 2.5	Pass
				30	3.80	-29.612	-0.0172	-2.5 to 2.5	Pass
				40	3.80	-25.091	-0.0146	-2.5 to 2.5	Pass
				50	3.80	-13.361	-0.0078	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.40	-26.665	-0.0154	-2.5 to 2.5	Pass
					3.80	-14.405	-0.0083	-2.5 to 2.5	Pass
					4.35	-21.601	-0.0125	-2.5 to 2.5	Pass
				-30	3.80	-16.351	-0.0094	-2.5 to 2.5	Pass
				-20	3.80	-16.651	-0.0096	-2.5 to 2.5	Pass
				-10	3.80	-17.323	-0.0100	-2.5 to 2.5	Pass
				0	3.80	-29.712	-0.0171	-2.5 to 2.5	Pass
				10	3.80	-13.132	-0.0076	-2.5 to 2.5	Pass
				30	3.80	-34.289	-0.0198	-2.5 to 2.5	Pass
				40	3.80	-11.902	-0.0069	-2.5 to 2.5	Pass
				50	3.80	-22.902	-0.0132	-2.5 to 2.5	Pass
	1745	100	0	20	3.40	-2.346	-0.0013	-2.5 to 2.5	Pass
					3.80	-2.203	-0.0013	-2.5 to 2.5	Pass
					4.35	-32.144	-0.0184	-2.5 to 2.5	Pass
				-30	3.80	-25.148	-0.0144	-2.5 to 2.5	Pass
				-20	3.80	-12.817	-0.0073	-2.5 to 2.5	Pass
				-10	3.80	-21.029	-0.0121	-2.5 to 2.5	Pass
				0	3.80	-30.713	-0.0176	-2.5 to 2.5	Pass
				10	3.80	-11.516	-0.0066	-2.5 to 2.5	Pass
				30	3.80	-17.295	-0.0099	-2.5 to 2.5	Pass
				40	3.80	-21.429	-0.0123	-2.5 to 2.5	Pass
				50	3.80	-19.212	-0.0110	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.40	-19.684	-0.0114	-2.5 to 2.5	Pass
					3.80	-4.420	-0.0026	-2.5 to 2.5	Pass
					4.35	-14.262	-0.0083	-2.5 to 2.5	Pass
				-30	3.80	-23.947	-0.0139	-2.5 to 2.5	Pass
				-20	3.80	-27.823	-0.0162	-2.5 to 2.5	Pass
				-10	3.80	-17.724	-0.0103	-2.5 to 2.5	Pass
				0	3.80	-13.590	-0.0079	-2.5 to 2.5	Pass
				10	3.80	-23.460	-0.0136	-2.5 to 2.5	Pass
				30	3.80	-27.251	-0.0158	-2.5 to 2.5	Pass
				40	3.80	-26.636	-0.0155	-2.5 to 2.5	Pass
				50	3.80	-12.875	-0.0075	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.40	-18.325	-0.0106	-2.5 to 2.5	Pass
					3.80	-20.900	-0.0121	-2.5 to 2.5	Pass
					4.35	-28.167	-0.0163	-2.5 to 2.5	Pass
				-30	3.80	-39.210	-0.0226	-2.5 to 2.5	Pass
				-20	3.80	-13.933	-0.0080	-2.5 to 2.5	Pass
				-10	3.80	-23.503	-0.0136	-2.5 to 2.5	Pass
				0	3.80	-24.233	-0.0140	-2.5 to 2.5	Pass
				10	3.80	-30.184	-0.0174	-2.5 to 2.5	Pass
				30	3.80	-35.419	-0.0204	-2.5 to 2.5	Pass
				40	3.80	-39.654	-0.0229	-2.5 to 2.5	Pass
				50	3.80	-36.106	-0.0208	-2.5 to 2.5	Pass
	1745	100	0	20	3.40	-2.074	-0.0012	-2.5 to 2.5	Pass
					3.80	-30.999	-0.0178	-2.5 to 2.5	Pass
					4.35	-14.205	-0.0081	-2.5 to 2.5	Pass
				-30	3.80	-21.300	-0.0122	-2.5 to 2.5	Pass

				-20	3.80	-29.154	-0.0167	-2.5 to 2.5	Pass
				-10	3.80	-35.477	-0.0203	-2.5 to 2.5	Pass
				0	3.80	-39.883	-0.0229	-2.5 to 2.5	Pass
				10	3.80	-43.101	-0.0247	-2.5 to 2.5	Pass
				30	3.80	-38.924	-0.0223	-2.5 to 2.5	Pass
				40	3.80	-40.040	-0.0229	-2.5 to 2.5	Pass
				50	3.80	-41.127	-0.0236	-2.5 to 2.5	Pass

6. Frequency Stability

6.1 B5_1.4MHz

6.1.1 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	3.40	0.000	0.0000	-2.5 to 2.5	Pass
					3.80	-32.730	-0.0397	-2.5 to 2.5	Pass
					4.35	-45.133	-0.0547	-2.5 to 2.5	Pass
				-30	3.80	-33.703	-0.0409	-2.5 to 2.5	Pass
				-20	3.80	-42.243	-0.0512	-2.5 to 2.5	Pass
				-10	3.80	-16.236	-0.0197	-2.5 to 2.5	Pass
				0	3.80	-34.847	-0.0423	-2.5 to 2.5	Pass
				10	3.80	-5.493	-0.0067	-2.5 to 2.5	Pass
				30	3.80	-30.985	-0.0376	-2.5 to 2.5	Pass
				40	3.80	-4.191	-0.0051	-2.5 to 2.5	Pass
				50	3.80	-24.233	-0.0294	-2.5 to 2.5	Pass
	836.5	6	0	20	3.40	-28.396	-0.0339	-2.5 to 2.5	Pass
					3.80	-39.754	-0.0475	-2.5 to 2.5	Pass
					4.35	-22.373	-0.0267	-2.5 to 2.5	Pass
				-30	3.80	-3.505	-0.0042	-2.5 to 2.5	Pass
				-20	3.80	-11.544	-0.0138	-2.5 to 2.5	Pass
				-10	3.80	-23.718	-0.0284	-2.5 to 2.5	Pass
				0	3.80	-34.103	-0.0408	-2.5 to 2.5	Pass
				10	3.80	-41.671	-0.0498	-2.5 to 2.5	Pass
				30	3.80	-2.789	-0.0033	-2.5 to 2.5	Pass
				40	3.80	-21.572	-0.0258	-2.5 to 2.5	Pass
				50	3.80	-29.268	-0.0350	-2.5 to 2.5	Pass
	848.3	6	0	20	3.40	-11.158	-0.0132	-2.5 to 2.5	Pass
					3.80	-36.893	-0.0435	-2.5 to 2.5	Pass
					4.35	-28.296	-0.0334	-2.5 to 2.5	Pass
				-30	3.80	-13.561	-0.0160	-2.5 to 2.5	Pass
				-20	3.80	-19.469	-0.0230	-2.5 to 2.5	Pass
				-10	3.80	-40.712	-0.0480	-2.5 to 2.5	Pass
				0	3.80	-36.192	-0.0427	-2.5 to 2.5	Pass
				10	3.80	-38.509	-0.0454	-2.5 to 2.5	Pass
				30	3.80	-39.024	-0.0460	-2.5 to 2.5	Pass
				40	3.80	-36.020	-0.0425	-2.5 to 2.5	Pass
				50	3.80	-39.053	-0.0460	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.40	-33.989	-0.0412	-2.5 to 2.5	Pass
					3.80	-11.487	-0.0139	-2.5 to 2.5	Pass
					4.35	-24.390	-0.0296	-2.5 to 2.5	Pass
				-30	3.80	-20.328	-0.0246	-2.5 to 2.5	Pass

				-20	3.80	-10.400	-0.0126	-2.5 to 2.5	Pass
				-10	3.80	-39.511	-0.0479	-2.5 to 2.5	Pass
				0	3.80	-30.627	-0.0371	-2.5 to 2.5	Pass
				10	3.80	-14.348	-0.0174	-2.5 to 2.5	Pass
				30	3.80	-37.150	-0.0450	-2.5 to 2.5	Pass
				40	3.80	-12.488	-0.0151	-2.5 to 2.5	Pass
				50	3.80	-30.899	-0.0375	-2.5 to 2.5	Pass
	836.5	6	0	20	3.40	-35.305	-0.0422	-2.5 to 2.5	Pass
					3.80	-42.300	-0.0506	-2.5 to 2.5	Pass
					4.35	-41.900	-0.0501	-2.5 to 2.5	Pass
				-30	3.80	-45.691	-0.0546	-2.5 to 2.5	Pass
				-20	3.80	-36.092	-0.0431	-2.5 to 2.5	Pass
				-10	3.80	-21.172	-0.0253	-2.5 to 2.5	Pass
				0	3.80	-7.124	-0.0085	-2.5 to 2.5	Pass
				10	3.80	-37.751	-0.0451	-2.5 to 2.5	Pass
				30	3.80	-18.783	-0.0225	-2.5 to 2.5	Pass
				40	3.80	-46.492	-0.0556	-2.5 to 2.5	Pass
				50	3.80	-26.979	-0.0323	-2.5 to 2.5	Pass
	848.3	6	0	20	3.40	-39.425	-0.0465	-2.5 to 2.5	Pass
					3.80	-33.345	-0.0393	-2.5 to 2.5	Pass
					4.35	-25.721	-0.0303	-2.5 to 2.5	Pass
				-30	3.80	-8.640	-0.0102	-2.5 to 2.5	Pass
				-20	3.80	-40.097	-0.0473	-2.5 to 2.5	Pass
				-10	3.80	-22.459	-0.0265	-2.5 to 2.5	Pass
				0	3.80	-48.952	-0.0577	-2.5 to 2.5	Pass
				10	3.80	-29.855	-0.0352	-2.5 to 2.5	Pass
				30	3.80	-5.107	-0.0060	-2.5 to 2.5	Pass
				40	3.80	-24.233	-0.0286	-2.5 to 2.5	Pass
				50	3.80	-46.291	-0.0546	-2.5 to 2.5	Pass

6.2 B5_3MHz

6.2.1 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	3.40	27.466	0.0333	-2.5 to 2.5	Pass
					3.80	13.933	0.0169	-2.5 to 2.5	Pass
					4.35	16.093	0.0195	-2.5 to 2.5	Pass
				-30	3.80	-3.633	-0.0044	-2.5 to 2.5	Pass
				-20	3.80	-38.338	-0.0464	-2.5 to 2.5	Pass
				-10	3.80	-37.966	-0.0460	-2.5 to 2.5	Pass
				0	3.80	-44.031	-0.0533	-2.5 to 2.5	Pass
				10	3.80	-3.419	-0.0041	-2.5 to 2.5	Pass
				30	3.80	-9.756	-0.0118	-2.5 to 2.5	Pass
				40	3.80	-16.508	-0.0200	-2.5 to 2.5	Pass
				50	3.80	-26.007	-0.0315	-2.5 to 2.5	Pass
	836.5	15	0	20	3.40	-13.676	-0.0163	-2.5 to 2.5	Pass
					3.80	-32.244	-0.0385	-2.5 to 2.5	Pass
					4.35	-16.980	-0.0203	-2.5 to 2.5	Pass
				-30	3.80	-21.672	-0.0259	-2.5 to 2.5	Pass
				-20	3.80	-45.147	-0.0540	-2.5 to 2.5	Pass
				-10	3.80	-22.302	-0.0267	-2.5 to 2.5	Pass
				0	3.80	-5.593	-0.0067	-2.5 to 2.5	Pass

				10	3.80	-33.932	-0.0406	-2.5 to 2.5	Pass
				30	3.80	-17.409	-0.0208	-2.5 to 2.5	Pass
				40	3.80	-43.001	-0.0514	-2.5 to 2.5	Pass
				50	3.80	-19.069	-0.0228	-2.5 to 2.5	Pass
	847.5	15	0	20	3.40	-1.545	-0.0018	-2.5 to 2.5	Pass
					3.80	-8.268	-0.0098	-2.5 to 2.5	Pass
					4.35	-21.515	-0.0254	-2.5 to 2.5	Pass
				-30	3.80	-38.981	-0.0460	-2.5 to 2.5	Pass
				-20	3.80	-14.448	-0.0170	-2.5 to 2.5	Pass
				-10	3.80	-44.117	-0.0521	-2.5 to 2.5	Pass
				0	3.80	-24.948	-0.0294	-2.5 to 2.5	Pass
				10	3.80	-9.770	-0.0115	-2.5 to 2.5	Pass
				30	3.80	-37.951	-0.0448	-2.5 to 2.5	Pass
				40	3.80	-15.435	-0.0182	-2.5 to 2.5	Pass
				50	3.80	-45.676	-0.0539	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.40	-37.880	-0.0459	-2.5 to 2.5	Pass
					3.80	-35.090	-0.0425	-2.5 to 2.5	Pass
					4.35	-18.797	-0.0228	-2.5 to 2.5	Pass
				-30	3.80	-5.007	-0.0061	-2.5 to 2.5	Pass
				-20	3.80	-12.531	-0.0152	-2.5 to 2.5	Pass
				-10	3.80	-40.598	-0.0492	-2.5 to 2.5	Pass
				0	3.80	-32.630	-0.0395	-2.5 to 2.5	Pass
				10	3.80	-14.734	-0.0178	-2.5 to 2.5	Pass
				30	3.80	-35.605	-0.0431	-2.5 to 2.5	Pass
				40	3.80	-24.090	-0.0292	-2.5 to 2.5	Pass
				50	3.80	-2.146	-0.0026	-2.5 to 2.5	Pass
	836.5	15	0	20	3.40	-48.423	-0.0579	-2.5 to 2.5	Pass
					3.80	-23.303	-0.0279	-2.5 to 2.5	Pass
					4.35	-41.943	-0.0501	-2.5 to 2.5	Pass
				-30	3.80	-10.099	-0.0121	-2.5 to 2.5	Pass
				-20	3.80	-21.386	-0.0256	-2.5 to 2.5	Pass
				-10	3.80	-32.372	-0.0387	-2.5 to 2.5	Pass
				0	3.80	-42.415	-0.0507	-2.5 to 2.5	Pass
				10	3.80	-6.208	-0.0074	-2.5 to 2.5	Pass
				30	3.80	-12.589	-0.0150	-2.5 to 2.5	Pass
				40	3.80	-17.638	-0.0211	-2.5 to 2.5	Pass
				50	3.80	-22.402	-0.0268	-2.5 to 2.5	Pass
	847.5	15	0	20	3.40	-25.091	-0.0296	-2.5 to 2.5	Pass
					3.80	2.832	0.0033	-2.5 to 2.5	Pass
					4.35	-21.901	-0.0258	-2.5 to 2.5	Pass
				-30	3.80	-43.144	-0.0509	-2.5 to 2.5	Pass
				-20	3.80	-18.210	-0.0215	-2.5 to 2.5	Pass
				-10	3.80	-32.201	-0.0380	-2.5 to 2.5	Pass
				0	3.80	-45.633	-0.0538	-2.5 to 2.5	Pass
				10	3.80	-5.479	-0.0065	-2.5 to 2.5	Pass
				30	3.80	-17.424	-0.0206	-2.5 to 2.5	Pass
				40	3.80	-29.755	-0.0351	-2.5 to 2.5	Pass
				50	3.80	-39.253	-0.0463	-2.5 to 2.5	Pass

6.3 B5_5MHz

6.3.1 Test Result

Band: 5 / Bandwidth: 5MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	826.5	25	0	20	3.40	2.675	0.0032	-2.5 to 2.5	Pass
					3.80	11.830	0.0143	-2.5 to 2.5	Pass
					4.35	22.788	0.0276	-2.5 to 2.5	Pass
				-30	3.80	29.039	0.0351	-2.5 to 2.5	Pass
				-20	3.80	31.800	0.0385	-2.5 to 2.5	Pass
				-10	3.80	30.541	0.0370	-2.5 to 2.5	Pass
				0	3.80	23.174	0.0280	-2.5 to 2.5	Pass
				10	3.80	17.638	0.0213	-2.5 to 2.5	Pass
				30	3.80	13.461	0.0163	-2.5 to 2.5	Pass
				40	3.80	9.570	0.0116	-2.5 to 2.5	Pass
				50	3.80	6.967	0.0084	-2.5 to 2.5	Pass
	836.5	25	0	20	3.40	0.815	0.0010	-2.5 to 2.5	Pass
					3.80	6.638	0.0079	-2.5 to 2.5	Pass
					4.35	13.447	0.0161	-2.5 to 2.5	Pass
				-30	3.80	16.136	0.0193	-2.5 to 2.5	Pass
				-20	3.80	17.424	0.0208	-2.5 to 2.5	Pass
				-10	3.80	17.323	0.0207	-2.5 to 2.5	Pass
				0	3.80	15.149	0.0181	-2.5 to 2.5	Pass
				10	3.80	11.830	0.0141	-2.5 to 2.5	Pass
				30	3.80	7.281	0.0087	-2.5 to 2.5	Pass
				40	3.80	5.350	0.0064	-2.5 to 2.5	Pass
				50	3.80	3.104	0.0037	-2.5 to 2.5	Pass
	846.5	25	0	20	3.40	-3.333	-0.0039	-2.5 to 2.5	Pass
					3.80	4.635	0.0055	-2.5 to 2.5	Pass
					4.35	5.064	0.0060	-2.5 to 2.5	Pass
				-30	3.80	-3.433	-0.0041	-2.5 to 2.5	Pass
				-20	3.80	-11.659	-0.0138	-2.5 to 2.5	Pass
				-10	3.80	-25.778	-0.0305	-2.5 to 2.5	Pass
				0	3.80	-43.645	-0.0516	-2.5 to 2.5	Pass
				10	3.80	-13.289	-0.0157	-2.5 to 2.5	Pass
				30	3.80	-30.885	-0.0365	-2.5 to 2.5	Pass
				40	3.80	-9.928	-0.0117	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.40	1.917	0.0023	-2.5 to 2.5	Pass
					3.80	1.402	0.0017	-2.5 to 2.5	Pass
					4.35	1.645	0.0020	-2.5 to 2.5	Pass
				-30	3.80	3.977	0.0048	-2.5 to 2.5	Pass
				-20	3.80	9.556	0.0116	-2.5 to 2.5	Pass
				-10	3.80	17.323	0.0210	-2.5 to 2.5	Pass
				0	3.80	23.303	0.0282	-2.5 to 2.5	Pass
				10	3.80	30.470	0.0369	-2.5 to 2.5	Pass
				30	3.80	35.234	0.0426	-2.5 to 2.5	Pass
				40	3.80	38.939	0.0471	-2.5 to 2.5	Pass
				50	3.80	40.054	0.0485	-2.5 to 2.5	Pass
	836.5	25	0	20	3.40	-1.974	-0.0024	-2.5 to 2.5	Pass
					3.80	-3.948	-0.0047	-2.5 to 2.5	Pass
					4.35	-3.190	-0.0038	-2.5 to 2.5	Pass
				-30	3.80	-3.090	-0.0037	-2.5 to 2.5	Pass
				-20	3.80	3.347	0.0040	-2.5 to 2.5	Pass
				-10	3.80	9.542	0.0114	-2.5 to 2.5	Pass
				0	3.80	16.794	0.0201	-2.5 to 2.5	Pass
				10	3.80	22.616	0.0270	-2.5 to 2.5	Pass
				30	3.80	28.009	0.0335	-2.5 to 2.5	Pass
				40	3.80	35.677	0.0427	-2.5 to 2.5	Pass
				50	3.80	43.259	0.0517	-2.5 to 2.5	Pass
	846.5	25	0	20	3.40	-5.894	-0.0070	-2.5 to 2.5	Pass

					3.80	-26.193	-0.0309	-2.5 to 2.5	Pass
					4.35	-41.242	-0.0487	-2.5 to 2.5	Pass
				-30	3.80	-4.220	-0.0050	-2.5 to 2.5	Pass
				-20	3.80	-14.520	-0.0172	-2.5 to 2.5	Pass
				-10	3.80	-22.945	-0.0271	-2.5 to 2.5	Pass
				0	3.80	-26.407	-0.0312	-2.5 to 2.5	Pass
				10	3.80	-33.431	-0.0395	-2.5 to 2.5	Pass
				30	3.80	-39.210	-0.0463	-2.5 to 2.5	Pass
				40	3.80	-44.889	-0.0530	-2.5 to 2.5	Pass
				50	3.80	-47.722	-0.0564	-2.5 to 2.5	Pass

6.4 B5_10MHz

6.4.1 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	3.40	10.672	0.0129	-2.5 to 2.5	Pass
					3.80	21.315	0.0257	-2.5 to 2.5	Pass
					4.35	29.411	0.0355	-2.5 to 2.5	Pass
				-30	3.80	32.701	0.0394	-2.5 to 2.5	Pass
				-20	3.80	33.231	0.0401	-2.5 to 2.5	Pass
				-10	3.80	29.883	0.0360	-2.5 to 2.5	Pass
				0	3.80	25.434	0.0307	-2.5 to 2.5	Pass
				10	3.80	19.126	0.0231	-2.5 to 2.5	Pass
				30	3.80	13.032	0.0157	-2.5 to 2.5	Pass
				40	3.80	11.086	0.0134	-2.5 to 2.5	Pass
				50	3.80	-0.200	-0.0002	-2.5 to 2.5	Pass
	836.5	50	0	20	3.40	11.315	0.0135	-2.5 to 2.5	Pass
					3.80	22.101	0.0264	-2.5 to 2.5	Pass
					4.35	28.152	0.0337	-2.5 to 2.5	Pass
				-30	3.80	32.101	0.0384	-2.5 to 2.5	Pass
				-20	3.80	38.309	0.0458	-2.5 to 2.5	Pass
				-10	3.80	36.778	0.0440	-2.5 to 2.5	Pass
				0	3.80	34.390	0.0411	-2.5 to 2.5	Pass
				10	3.80	29.225	0.0349	-2.5 to 2.5	Pass
				30	3.80	28.152	0.0337	-2.5 to 2.5	Pass
				40	3.80	26.093	0.0312	-2.5 to 2.5	Pass
				50	3.80	22.459	0.0268	-2.5 to 2.5	Pass
	844	50	0	20	3.40	7.882	0.0093	-2.5 to 2.5	Pass
					3.80	15.721	0.0186	-2.5 to 2.5	Pass
					4.35	14.606	0.0173	-2.5 to 2.5	Pass
				-30	3.80	4.520	0.0054	-2.5 to 2.5	Pass
				-20	3.80	-6.595	-0.0078	-2.5 to 2.5	Pass
				-10	3.80	-23.460	-0.0278	-2.5 to 2.5	Pass
				0	3.80	-39.511	-0.0468	-2.5 to 2.5	Pass
				10	3.80	-16.322	-0.0193	-2.5 to 2.5	Pass
				30	3.80	-32.845	-0.0389	-2.5 to 2.5	Pass
				40	3.80	-41.113	-0.0487	-2.5 to 2.5	Pass
				50	3.80	-9.513	-0.0113	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.40	-4.134	-0.0050	-2.5 to 2.5	Pass
					3.80	-3.963	-0.0048	-2.5 to 2.5	Pass
					4.35	-2.546	-0.0031	-2.5 to 2.5	Pass
				-30	3.80	1.159	0.0014	-2.5 to 2.5	Pass

				-20	3.80	8.597	0.0104	-2.5 to 2.5	Pass
				-10	3.80	16.208	0.0196	-2.5 to 2.5	Pass
				0	3.80	24.691	0.0298	-2.5 to 2.5	Pass
				10	3.80	32.544	0.0393	-2.5 to 2.5	Pass
				30	3.80	38.810	0.0468	-2.5 to 2.5	Pass
				40	3.80	-2.947	-0.0036	-2.5 to 2.5	Pass
				50	3.80	0.844	0.0010	-2.5 to 2.5	Pass
	836.5	50	0	20	3.40	17.538	0.0210	-2.5 to 2.5	Pass
					3.80	20.614	0.0246	-2.5 to 2.5	Pass
					4.35	22.216	0.0266	-2.5 to 2.5	Pass
				-30	3.80	28.710	0.0343	-2.5 to 2.5	Pass
				-20	3.80	38.781	0.0464	-2.5 to 2.5	Pass
				-10	3.80	11.587	0.0139	-2.5 to 2.5	Pass
				0	3.80	11.630	0.0139	-2.5 to 2.5	Pass
				10	3.80	14.534	0.0174	-2.5 to 2.5	Pass
				30	3.80	23.732	0.0284	-2.5 to 2.5	Pass
				40	3.80	37.222	0.0445	-2.5 to 2.5	Pass
				50	3.80	44.160	0.0528	-2.5 to 2.5	Pass
				20	3.40	-23.189	-0.0275	-2.5 to 2.5	Pass
					3.80	-32.201	-0.0382	-2.5 to 2.5	Pass
					4.35	-37.866	-0.0449	-2.5 to 2.5	Pass
	844	50	0	-30	3.80	-43.774	-0.0519	-2.5 to 2.5	Pass
				-20	3.80	2.446	0.0029	-2.5 to 2.5	Pass
				-10	3.80	4.892	0.0058	-2.5 to 2.5	Pass
				0	3.80	7.181	0.0085	-2.5 to 2.5	Pass
				10	3.80	9.327	0.0111	-2.5 to 2.5	Pass
				30	3.80	12.860	0.0152	-2.5 to 2.5	Pass
				40	3.80	14.849	0.0176	-2.5 to 2.5	Pass
				50	3.80	13.003	0.0154	-2.5 to 2.5	Pass

7. Frequency Stability

7.1 B66_1.4MHz

7.1.1 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	3.40	27.895	0.0163	-2.5 to 2.5	Pass
					3.80	16.894	0.0099	-2.5 to 2.5	Pass
					4.35	-21.873	-0.0128	-2.5 to 2.5	Pass
				-30	3.80	-12.202	-0.0071	-2.5 to 2.5	Pass
				-20	3.80	-33.231	-0.0194	-2.5 to 2.5	Pass
				-10	3.80	-16.093	-0.0094	-2.5 to 2.5	Pass
				0	3.80	-21.815	-0.0128	-2.5 to 2.5	Pass
				10	3.80	-9.170	-0.0054	-2.5 to 2.5	Pass
				30	3.80	-22.602	-0.0132	-2.5 to 2.5	Pass
				40	3.80	-13.204	-0.0077	-2.5 to 2.5	Pass
				50	3.80	-27.666	-0.0162	-2.5 to 2.5	Pass
	1745	6	0	20	3.40	-23.603	-0.0135	-2.5 to 2.5	Pass
					3.80	-39.654	-0.0227	-2.5 to 2.5	Pass
					4.35	-24.176	-0.0139	-2.5 to 2.5	Pass
				-30	3.80	-24.734	-0.0142	-2.5 to 2.5	Pass

				-20	3.80	-25.463	-0.0146	-2.5 to 2.5	Pass
				-10	3.80	-21.029	-0.0121	-2.5 to 2.5	Pass
				0	3.80	-26.650	-0.0153	-2.5 to 2.5	Pass
				10	3.80	-22.473	-0.0129	-2.5 to 2.5	Pass
				30	3.80	-41.871	-0.0240	-2.5 to 2.5	Pass
				40	3.80	-34.804	-0.0199	-2.5 to 2.5	Pass
				50	3.80	-8.698	-0.0050	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.40	-21.772	-0.0122	-2.5 to 2.5	Pass
					3.80	-42.257	-0.0237	-2.5 to 2.5	Pass
					4.35	-23.704	-0.0133	-2.5 to 2.5	Pass
				-30	3.80	-31.343	-0.0176	-2.5 to 2.5	Pass
				-20	3.80	3.505	0.0020	-2.5 to 2.5	Pass
				-10	3.80	-12.603	-0.0071	-2.5 to 2.5	Pass
				0	3.80	-17.824	-0.0100	-2.5 to 2.5	Pass
				10	3.80	-20.413	-0.0115	-2.5 to 2.5	Pass
				30	3.80	-17.896	-0.0101	-2.5 to 2.5	Pass
				40	3.80	16.708	0.0094	-2.5 to 2.5	Pass
				50	3.80	-17.409	-0.0098	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.40	-14.806	-0.0087	-2.5 to 2.5	Pass
					3.80	3.390	0.0020	-2.5 to 2.5	Pass
					4.35	21.930	0.0128	-2.5 to 2.5	Pass
				-30	3.80	28.725	0.0168	-2.5 to 2.5	Pass
				-20	3.80	6.895	0.0040	-2.5 to 2.5	Pass
				-10	3.80	-24.047	-0.0141	-2.5 to 2.5	Pass
				0	3.80	-36.621	-0.0214	-2.5 to 2.5	Pass
				10	3.80	-20.742	-0.0121	-2.5 to 2.5	Pass
				30	3.80	-22.988	-0.0134	-2.5 to 2.5	Pass
				40	3.80	-21.257	-0.0124	-2.5 to 2.5	Pass
				50	3.80	-33.216	-0.0194	-2.5 to 2.5	Pass
	1745	6	0	20	3.40	-17.281	-0.0099	-2.5 to 2.5	Pass
					3.80	-20.170	-0.0116	-2.5 to 2.5	Pass
					4.35	-32.845	-0.0188	-2.5 to 2.5	Pass
				-30	3.80	-7.739	-0.0044	-2.5 to 2.5	Pass
				-20	3.80	-0.572	-0.0003	-2.5 to 2.5	Pass
				-10	3.80	-13.661	-0.0078	-2.5 to 2.5	Pass
				0	3.80	-15.492	-0.0089	-2.5 to 2.5	Pass
				10	3.80	-14.877	-0.0085	-2.5 to 2.5	Pass
				30	3.80	-23.761	-0.0136	-2.5 to 2.5	Pass
				40	3.80	-33.588	-0.0192	-2.5 to 2.5	Pass
				50	3.80	-29.054	-0.0166	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.40	13.018	0.0073	-2.5 to 2.5	Pass
					3.80	-17.295	-0.0097	-2.5 to 2.5	Pass
					4.35	-11.458	-0.0064	-2.5 to 2.5	Pass
				-30	3.80	-29.612	-0.0166	-2.5 to 2.5	Pass
				-20	3.80	-22.402	-0.0126	-2.5 to 2.5	Pass
				-10	3.80	-23.961	-0.0135	-2.5 to 2.5	Pass
				0	3.80	-30.656	-0.0172	-2.5 to 2.5	Pass
				10	3.80	-31.085	-0.0175	-2.5 to 2.5	Pass
				30	3.80	-33.717	-0.0189	-2.5 to 2.5	Pass
				40	3.80	-25.520	-0.0143	-2.5 to 2.5	Pass
				50	3.80	-17.738	-0.0100	-2.5 to 2.5	Pass

7.2 B66_3MHz

7.2.1 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	3.40	-1.116	-0.0007	-2.5 to 2.5	Pass
					3.80	-10.958	-0.0064	-2.5 to 2.5	Pass
					4.35	-18.997	-0.0111	-2.5 to 2.5	Pass
				-30	3.80	-24.962	-0.0146	-2.5 to 2.5	Pass
				-20	3.80	-26.565	-0.0155	-2.5 to 2.5	Pass
				-10	3.80	-27.394	-0.0160	-2.5 to 2.5	Pass
				0	3.80	-17.381	-0.0102	-2.5 to 2.5	Pass
				10	3.80	-22.388	-0.0131	-2.5 to 2.5	Pass
				30	3.80	-33.760	-0.0197	-2.5 to 2.5	Pass
				40	3.80	-26.107	-0.0153	-2.5 to 2.5	Pass
				50	3.80	-23.446	-0.0137	-2.5 to 2.5	Pass
	1745	15	0	20	3.40	-12.546	-0.0072	-2.5 to 2.5	Pass
					3.80	-28.181	-0.0161	-2.5 to 2.5	Pass
					4.35	-12.388	-0.0071	-2.5 to 2.5	Pass
				-30	3.80	-21.315	-0.0122	-2.5 to 2.5	Pass
				-20	3.80	23.332	0.0134	-2.5 to 2.5	Pass
				-10	3.80	16.365	0.0094	-2.5 to 2.5	Pass
				0	3.80	-8.068	-0.0046	-2.5 to 2.5	Pass
				10	3.80	7.024	0.0040	-2.5 to 2.5	Pass
				30	3.80	-19.598	-0.0112	-2.5 to 2.5	Pass
				40	3.80	-29.998	-0.0172	-2.5 to 2.5	Pass
				50	3.80	-27.623	-0.0158	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.40	-18.139	-0.0102	-2.5 to 2.5	Pass
					3.80	-40.040	-0.0225	-2.5 to 2.5	Pass
					4.35	-10.057	-0.0057	-2.5 to 2.5	Pass
				-30	3.80	-24.676	-0.0139	-2.5 to 2.5	Pass
				-20	3.80	-14.849	-0.0083	-2.5 to 2.5	Pass
				-10	3.80	-31.185	-0.0175	-2.5 to 2.5	Pass
				0	3.80	-29.755	-0.0167	-2.5 to 2.5	Pass
				10	3.80	-21.901	-0.0123	-2.5 to 2.5	Pass
				30	3.80	-16.494	-0.0093	-2.5 to 2.5	Pass
				40	3.80	-19.641	-0.0110	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.40	-21.429	-0.0125	-2.5 to 2.5	Pass
					3.80	-24.176	-0.0141	-2.5 to 2.5	Pass
					4.35	-25.892	-0.0151	-2.5 to 2.5	Pass
				-30	3.80	-37.107	-0.0217	-2.5 to 2.5	Pass
				-20	3.80	-26.865	-0.0157	-2.5 to 2.5	Pass
				-10	3.80	-37.122	-0.0217	-2.5 to 2.5	Pass
				0	3.80	-14.863	-0.0087	-2.5 to 2.5	Pass
				10	3.80	-36.006	-0.0210	-2.5 to 2.5	Pass
				30	3.80	-32.530	-0.0190	-2.5 to 2.5	Pass
				40	3.80	-19.155	-0.0112	-2.5 to 2.5	Pass
				50	3.80	-0.157	-0.0001	-2.5 to 2.5	Pass
	1745	15	0	20	3.40	-33.860	-0.0194	-2.5 to 2.5	Pass
					3.80	-16.007	-0.0092	-2.5 to 2.5	Pass
					4.35	-6.781	-0.0039	-2.5 to 2.5	Pass
				-30	3.80	-38.137	-0.0219	-2.5 to 2.5	Pass
				-20	3.80	-3.104	-0.0018	-2.5 to 2.5	Pass
				-10	3.80	-7.796	-0.0045	-2.5 to 2.5	Pass
				0	3.80	-5.980	-0.0034	-2.5 to 2.5	Pass
				10	3.80	-29.297	-0.0168	-2.5 to 2.5	Pass
				30	3.80	-22.602	-0.0130	-2.5 to 2.5	Pass
				40	3.80	-13.375	-0.0077	-2.5 to 2.5	Pass

	1778.5	15	0	50	3.80	-24.633	-0.0141	-2.5 to 2.5	Pass
				20	3.40	-28.038	-0.0158	-2.5 to 2.5	Pass
					3.80	-28.839	-0.0162	-2.5 to 2.5	Pass
					4.35	-11.702	-0.0066	-2.5 to 2.5	Pass
					3.80	-20.556	-0.0116	-2.5 to 2.5	Pass
				-30	3.80	-33.932	-0.0191	-2.5 to 2.5	Pass
				-20	3.80	10.042	0.0056	-2.5 to 2.5	Pass
				-10	3.80	-12.217	-0.0069	-2.5 to 2.5	Pass
				0	3.80	-29.283	-0.0165	-2.5 to 2.5	Pass
				10	3.80	-32.001	-0.0180	-2.5 to 2.5	Pass
				30	3.80	-40.569	-0.0228	-2.5 to 2.5	Pass
				40	3.80	-35.777	-0.0201	-2.5 to 2.5	Pass

7.3 B66_5MHz

7.3.1 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	3.40	17.953	0.0105	-2.5 to 2.5	Pass
					3.80	16.923	0.0099	-2.5 to 2.5	Pass
					4.35	-2.975	-0.0017	-2.5 to 2.5	Pass
				-30	3.80	18.868	0.0110	-2.5 to 2.5	Pass
				-20	3.80	-1.831	-0.0011	-2.5 to 2.5	Pass
				-10	3.80	11.401	0.0067	-2.5 to 2.5	Pass
				0	3.80	23.646	0.0138	-2.5 to 2.5	Pass
				10	3.80	27.723	0.0162	-2.5 to 2.5	Pass
				30	3.80	0.815	0.0005	-2.5 to 2.5	Pass
				40	3.80	7.324	0.0043	-2.5 to 2.5	Pass
				50	3.80	14.354	0.0084	-2.5 to 2.5	Pass
	1745	25	0	20	3.40	6.266	0.0036	-2.5 to 2.5	Pass
					3.80	30.284	0.0174	-2.5 to 2.5	Pass
					4.35	31.042	0.0178	-2.5 to 2.5	Pass
				-30	3.80	43.902	0.0252	-2.5 to 2.5	Pass
				-20	3.80	-7.095	-0.0041	-2.5 to 2.5	Pass
				-10	3.80	-10.114	-0.0058	-2.5 to 2.5	Pass
				0	3.80	-14.677	-0.0084	-2.5 to 2.5	Pass
				10	3.80	-17.381	-0.0100	-2.5 to 2.5	Pass
				30	3.80	-15.450	-0.0089	-2.5 to 2.5	Pass
				40	3.80	-22.573	-0.0129	-2.5 to 2.5	Pass
				50	3.80	11.315	0.0065	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.40	0.415	0.0002	-2.5 to 2.5	Pass
					3.80	12.417	0.0070	-2.5 to 2.5	Pass
					4.35	-16.050	-0.0090	-2.5 to 2.5	Pass
				-30	3.80	-8.755	-0.0049	-2.5 to 2.5	Pass
				-20	3.80	-24.061	-0.0135	-2.5 to 2.5	Pass
				-10	3.80	-35.162	-0.0198	-2.5 to 2.5	Pass
				0	3.80	-26.851	-0.0151	-2.5 to 2.5	Pass
				10	3.80	-34.676	-0.0195	-2.5 to 2.5	Pass
				30	3.80	-19.670	-0.0111	-2.5 to 2.5	Pass
				40	3.80	-21.758	-0.0122	-2.5 to 2.5	Pass
				50	3.80	-8.998	-0.0051	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.40	10.557	0.0062	-2.5 to 2.5	Pass
					3.80	15.965	0.0093	-2.5 to 2.5	Pass

					4.35	28.281	0.0165	-2.5 to 2.5	Pass
				-30	3.80	13.161	0.0077	-2.5 to 2.5	Pass
				-20	3.80	37.208	0.0217	-2.5 to 2.5	Pass
				-10	3.80	11.630	0.0068	-2.5 to 2.5	Pass
				0	3.80	22.588	0.0132	-2.5 to 2.5	Pass
				10	3.80	29.869	0.0174	-2.5 to 2.5	Pass
				30	3.80	24.891	0.0145	-2.5 to 2.5	Pass
				40	3.80	31.900	0.0186	-2.5 to 2.5	Pass
				50	3.80	28.110	0.0164	-2.5 to 2.5	Pass
	1745	25	0	20	3.40	3.805	0.0022	-2.5 to 2.5	Pass
					3.80	0.200	0.0001	-2.5 to 2.5	Pass
					4.35	11.230	0.0064	-2.5 to 2.5	Pass
				-30	3.80	27.695	0.0159	-2.5 to 2.5	Pass
				-20	3.80	41.800	0.0240	-2.5 to 2.5	Pass
				-10	3.80	9.427	0.0054	-2.5 to 2.5	Pass
				0	3.80	27.051	0.0155	-2.5 to 2.5	Pass
				10	3.80	42.915	0.0246	-2.5 to 2.5	Pass
				30	3.80	23.661	0.0136	-2.5 to 2.5	Pass
				40	3.80	37.966	0.0218	-2.5 to 2.5	Pass
				50	3.80	12.875	0.0074	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.40	-33.617	-0.0189	-2.5 to 2.5	Pass
					3.80	-19.240	-0.0108	-2.5 to 2.5	Pass
					4.35	-21.157	-0.0119	-2.5 to 2.5	Pass
				-30	3.80	-34.518	-0.0194	-2.5 to 2.5	Pass
				-20	3.80	-15.893	-0.0089	-2.5 to 2.5	Pass
				-10	3.80	-5.608	-0.0032	-2.5 to 2.5	Pass
				0	3.80	-21.958	-0.0124	-2.5 to 2.5	Pass
				10	3.80	-33.946	-0.0191	-2.5 to 2.5	Pass
				30	3.80	-9.427	-0.0053	-2.5 to 2.5	Pass
				40	3.80	-18.954	-0.0107	-2.5 to 2.5	Pass
				50	3.80	-29.054	-0.0163	-2.5 to 2.5	Pass

7.4 B66_10MHz

7.4.1 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	3.40	27.766	0.0162	-2.5 to 2.5	Pass
					3.80	11.787	0.0069	-2.5 to 2.5	Pass
					4.35	10.629	0.0062	-2.5 to 2.5	Pass
				-30	3.80	37.365	0.0218	-2.5 to 2.5	Pass
				-20	3.80	28.052	0.0164	-2.5 to 2.5	Pass
				-10	3.80	18.210	0.0106	-2.5 to 2.5	Pass
				0	3.80	37.179	0.0217	-2.5 to 2.5	Pass
				10	3.80	16.236	0.0095	-2.5 to 2.5	Pass
				30	3.80	36.793	0.0215	-2.5 to 2.5	Pass
				40	3.80	-8.855	-0.0052	-2.5 to 2.5	Pass
				50	3.80	10.943	0.0064	-2.5 to 2.5	Pass
	1745	50	0	20	3.40	10.858	0.0062	-2.5 to 2.5	Pass
					3.80	11.802	0.0068	-2.5 to 2.5	Pass
					4.35	22.988	0.0132	-2.5 to 2.5	Pass
				-30	3.80	22.516	0.0129	-2.5 to 2.5	Pass
				-20	3.80	13.347	0.0076	-2.5 to 2.5	Pass

				-10	3.80	2.847	0.0016	-2.5 to 2.5	Pass
				0	3.80	-14.420	-0.0083	-2.5 to 2.5	Pass
				10	3.80	-28.782	-0.0165	-2.5 to 2.5	Pass
				30	3.80	-2.346	-0.0013	-2.5 to 2.5	Pass
				40	3.80	-13.146	-0.0075	-2.5 to 2.5	Pass
				50	3.80	-16.894	-0.0097	-2.5 to 2.5	Pass
	1775	50	0	20	3.40	1.602	0.0009	-2.5 to 2.5	Pass
					3.80	16.208	0.0091	-2.5 to 2.5	Pass
					4.35	-19.169	-0.0108	-2.5 to 2.5	Pass
				-30	3.80	-35.319	-0.0199	-2.5 to 2.5	Pass
				-20	3.80	-25.778	-0.0145	-2.5 to 2.5	Pass
				-10	3.80	-26.093	-0.0147	-2.5 to 2.5	Pass
				0	3.80	-12.317	-0.0069	-2.5 to 2.5	Pass
				10	3.80	-2.518	-0.0014	-2.5 to 2.5	Pass
				30	3.80	-28.982	-0.0163	-2.5 to 2.5	Pass
				40	3.80	-16.251	-0.0092	-2.5 to 2.5	Pass
				50	3.80	-28.038	-0.0158	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.40	25.864	0.0151	-2.5 to 2.5	Pass
					3.80	18.725	0.0109	-2.5 to 2.5	Pass
					4.35	12.417	0.0072	-2.5 to 2.5	Pass
				-30	3.80	13.933	0.0081	-2.5 to 2.5	Pass
				-20	3.80	12.388	0.0072	-2.5 to 2.5	Pass
				-10	3.80	23.975	0.0140	-2.5 to 2.5	Pass
				0	3.80	28.954	0.0169	-2.5 to 2.5	Pass
				10	3.80	27.537	0.0161	-2.5 to 2.5	Pass
				30	3.80	27.008	0.0157	-2.5 to 2.5	Pass
				40	3.80	33.560	0.0196	-2.5 to 2.5	Pass
				50	3.80	20.256	0.0118	-2.5 to 2.5	Pass
	1745	50	0	20	3.40	-25.835	-0.0148	-2.5 to 2.5	Pass
					3.80	-27.623	-0.0158	-2.5 to 2.5	Pass
					4.35	-8.354	-0.0048	-2.5 to 2.5	Pass
				-30	3.80	13.218	0.0076	-2.5 to 2.5	Pass
				-20	3.80	35.563	0.0204	-2.5 to 2.5	Pass
				-10	3.80	19.641	0.0113	-2.5 to 2.5	Pass
				0	3.80	31.271	0.0179	-2.5 to 2.5	Pass
				10	3.80	35.291	0.0202	-2.5 to 2.5	Pass
				30	3.80	3.004	0.0017	-2.5 to 2.5	Pass
				40	3.80	25.864	0.0148	-2.5 to 2.5	Pass
				50	3.80	10.257	0.0059	-2.5 to 2.5	Pass
	1775	50	0	20	3.40	-11.759	-0.0066	-2.5 to 2.5	Pass
					3.80	-37.651	-0.0212	-2.5 to 2.5	Pass
					4.35	-4.807	-0.0027	-2.5 to 2.5	Pass
				-30	3.80	-19.798	-0.0112	-2.5 to 2.5	Pass
				-20	3.80	-19.770	-0.0111	-2.5 to 2.5	Pass
				-10	3.80	-17.724	-0.0100	-2.5 to 2.5	Pass
				0	3.80	-20.556	-0.0116	-2.5 to 2.5	Pass
				10	3.80	-16.994	-0.0096	-2.5 to 2.5	Pass
				30	3.80	-11.845	-0.0067	-2.5 to 2.5	Pass
				40	3.80	-14.133	-0.0080	-2.5 to 2.5	Pass
				50	3.80	-13.976	-0.0079	-2.5 to 2.5	Pass

7.5 B66_15MHz

7.5.1 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	3.40	30.384	0.0177	-2.5 to 2.5	Pass
					3.80	19.341	0.0113	-2.5 to 2.5	Pass
					4.35	23.603	0.0137	-2.5 to 2.5	Pass
				-30	3.80	17.066	0.0099	-2.5 to 2.5	Pass
				-20	3.80	8.726	0.0051	-2.5 to 2.5	Pass
				-10	3.80	16.437	0.0096	-2.5 to 2.5	Pass
				0	3.80	35.405	0.0206	-2.5 to 2.5	Pass
				10	3.80	14.563	0.0085	-2.5 to 2.5	Pass
				30	3.80	34.089	0.0198	-2.5 to 2.5	Pass
				40	3.80	15.407	0.0090	-2.5 to 2.5	Pass
				50	3.80	30.541	0.0178	-2.5 to 2.5	Pass
	1745	75	0	20	3.40	26.708	0.0153	-2.5 to 2.5	Pass
					3.80	22.845	0.0131	-2.5 to 2.5	Pass
					4.35	32.644	0.0187	-2.5 to 2.5	Pass
				-30	3.80	27.137	0.0156	-2.5 to 2.5	Pass
				-20	3.80	17.667	0.0101	-2.5 to 2.5	Pass
				-10	3.80	-3.505	-0.0020	-2.5 to 2.5	Pass
				0	3.80	-28.582	-0.0164	-2.5 to 2.5	Pass
				10	3.80	-15.693	-0.0090	-2.5 to 2.5	Pass
				30	3.80	-30.541	-0.0175	-2.5 to 2.5	Pass
				40	3.80	-11.373	-0.0065	-2.5 to 2.5	Pass
				50	3.80	-25.849	-0.0148	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.40	27.094	0.0153	-2.5 to 2.5	Pass
					3.80	-5.364	-0.0030	-2.5 to 2.5	Pass
					4.35	-28.410	-0.0160	-2.5 to 2.5	Pass
				-30	3.80	-19.341	-0.0109	-2.5 to 2.5	Pass
				-20	3.80	-29.697	-0.0168	-2.5 to 2.5	Pass
				-10	3.80	-32.802	-0.0185	-2.5 to 2.5	Pass
				0	3.80	-33.817	-0.0191	-2.5 to 2.5	Pass
				10	3.80	-16.437	-0.0093	-2.5 to 2.5	Pass
				30	3.80	-8.469	-0.0048	-2.5 to 2.5	Pass
				40	3.80	-8.268	-0.0047	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.40	43.058	0.0251	-2.5 to 2.5	Pass
					3.80	31.743	0.0185	-2.5 to 2.5	Pass
					4.35	21.329	0.0124	-2.5 to 2.5	Pass
				-30	3.80	15.264	0.0089	-2.5 to 2.5	Pass
				-20	3.80	27.180	0.0158	-2.5 to 2.5	Pass
				-10	3.80	23.904	0.0139	-2.5 to 2.5	Pass
				0	3.80	28.267	0.0165	-2.5 to 2.5	Pass
				10	3.80	26.021	0.0152	-2.5 to 2.5	Pass
				30	3.80	16.379	0.0095	-2.5 to 2.5	Pass
				40	3.80	10.214	0.0059	-2.5 to 2.5	Pass
				50	3.80	33.073	0.0193	-2.5 to 2.5	Pass
	1745	75	0	20	3.40	-10.729	-0.0061	-2.5 to 2.5	Pass
					3.80	-0.587	-0.0003	-2.5 to 2.5	Pass
					4.35	13.404	0.0077	-2.5 to 2.5	Pass
				-30	3.80	30.026	0.0172	-2.5 to 2.5	Pass
				-20	3.80	20.528	0.0118	-2.5 to 2.5	Pass
				-10	3.80	9.727	0.0056	-2.5 to 2.5	Pass
				0	3.80	34.633	0.0198	-2.5 to 2.5	Pass
				10	3.80	19.641	0.0113	-2.5 to 2.5	Pass
				30	3.80	27.709	0.0159	-2.5 to 2.5	Pass
				40	3.80	38.095	0.0218	-2.5 to 2.5	Pass

	1772.5	75	0	50	3.80	-3.333	-0.0019	-2.5 to 2.5	Pass
				20	3.40	-14.205	-0.0080	-2.5 to 2.5	Pass
					3.80	-10.757	-0.0061	-2.5 to 2.5	Pass
					4.35	-26.679	-0.0151	-2.5 to 2.5	Pass
					3.80	-29.111	-0.0164	-2.5 to 2.5	Pass
				-30	3.80	-24.676	-0.0139	-2.5 to 2.5	Pass
				-20	3.80	-27.552	-0.0155	-2.5 to 2.5	Pass
				-10	3.80	-30.642	-0.0173	-2.5 to 2.5	Pass
				0	3.80	4.621	0.0026	-2.5 to 2.5	Pass
				10	3.80	16.708	0.0094	-2.5 to 2.5	Pass
				30	3.80	31.500	0.0178	-2.5 to 2.5	Pass
				40	3.80	40.541	0.0229	-2.5 to 2.5	Pass

7.6 B66_20MHz

7.6.1 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	3.40	27.123	0.0158	-2.5 to 2.5	Pass
					3.80	9.341	0.0054	-2.5 to 2.5	Pass
					4.35	33.832	0.0197	-2.5 to 2.5	Pass
				-30	3.80	21.687	0.0126	-2.5 to 2.5	Pass
				-20	3.80	37.336	0.0217	-2.5 to 2.5	Pass
				-10	3.80	43.488	0.0253	-2.5 to 2.5	Pass
				0	3.80	0.930	0.0005	-2.5 to 2.5	Pass
				10	3.80	5.965	0.0035	-2.5 to 2.5	Pass
				30	3.80	16.894	0.0098	-2.5 to 2.5	Pass
				40	3.80	23.689	0.0138	-2.5 to 2.5	Pass
				50	3.80	28.954	0.0168	-2.5 to 2.5	Pass
	1745	100	0	20	3.40	19.727	0.0113	-2.5 to 2.5	Pass
					3.80	-6.108	-0.0035	-2.5 to 2.5	Pass
					4.35	-21.200	-0.0121	-2.5 to 2.5	Pass
				-30	3.80	-13.390	-0.0077	-2.5 to 2.5	Pass
				-20	3.80	-10.443	-0.0060	-2.5 to 2.5	Pass
				-10	3.80	-24.090	-0.0138	-2.5 to 2.5	Pass
				0	3.80	-24.934	-0.0143	-2.5 to 2.5	Pass
				10	3.80	-25.434	-0.0146	-2.5 to 2.5	Pass
				30	3.80	-6.180	-0.0035	-2.5 to 2.5	Pass
				40	3.80	-33.703	-0.0193	-2.5 to 2.5	Pass
				50	3.80	-32.859	-0.0188	-2.5 to 2.5	Pass
	1770	100	0	20	3.40	10.057	0.0057	-2.5 to 2.5	Pass
					3.80	17.152	0.0097	-2.5 to 2.5	Pass
					4.35	-19.169	-0.0108	-2.5 to 2.5	Pass
				-30	3.80	-29.798	-0.0168	-2.5 to 2.5	Pass
				-20	3.80	-9.956	-0.0056	-2.5 to 2.5	Pass
				-10	3.80	-28.996	-0.0164	-2.5 to 2.5	Pass
				0	3.80	-15.907	-0.0090	-2.5 to 2.5	Pass
				10	3.80	-26.908	-0.0152	-2.5 to 2.5	Pass
				30	3.80	-26.379	-0.0149	-2.5 to 2.5	Pass
				40	3.80	-25.549	-0.0144	-2.5 to 2.5	Pass
				50	3.80	-30.499	-0.0172	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.40	-12.789	-0.0074	-2.5 to 2.5	Pass
					3.80	-2.346	-0.0014	-2.5 to 2.5	Pass

					4.35	31.242	0.0182	-2.5 to 2.5	Pass
				-30	3.80	39.926	0.0232	-2.5 to 2.5	Pass
				-20	3.80	31.471	0.0183	-2.5 to 2.5	Pass
				-10	3.80	30.613	0.0178	-2.5 to 2.5	Pass
				0	3.80	28.310	0.0165	-2.5 to 2.5	Pass
				10	3.80	12.960	0.0075	-2.5 to 2.5	Pass
				30	3.80	18.396	0.0107	-2.5 to 2.5	Pass
				40	3.80	23.832	0.0139	-2.5 to 2.5	Pass
				50	3.80	13.218	0.0077	-2.5 to 2.5	Pass
	1745	100	0	20	3.40	-29.154	-0.0167	-2.5 to 2.5	Pass
					3.80	-8.984	-0.0051	-2.5 to 2.5	Pass
					4.35	-11.716	-0.0067	-2.5 to 2.5	Pass
				-30	3.80	6.638	0.0038	-2.5 to 2.5	Pass
				-20	3.80	32.930	0.0189	-2.5 to 2.5	Pass
				-10	3.80	12.503	0.0072	-2.5 to 2.5	Pass
				0	3.80	8.454	0.0048	-2.5 to 2.5	Pass
				10	3.80	20.070	0.0115	-2.5 to 2.5	Pass
				30	3.80	10.757	0.0062	-2.5 to 2.5	Pass
				40	3.80	23.289	0.0133	-2.5 to 2.5	Pass
				50	3.80	36.993	0.0212	-2.5 to 2.5	Pass
	1770	100	0	20	3.40	-30.627	-0.0173	-2.5 to 2.5	Pass
					3.80	9.627	0.0054	-2.5 to 2.5	Pass
					4.35	11.973	0.0068	-2.5 to 2.5	Pass
				-30	3.80	9.599	0.0054	-2.5 to 2.5	Pass
				-20	3.80	22.917	0.0129	-2.5 to 2.5	Pass
				-10	3.80	-16.837	-0.0095	-2.5 to 2.5	Pass
				0	3.80	-5.379	-0.0030	-2.5 to 2.5	Pass
				10	3.80	18.554	0.0105	-2.5 to 2.5	Pass
				30	3.80	31.099	0.0176	-2.5 to 2.5	Pass
				40	3.80	7.524	0.0043	-2.5 to 2.5	Pass
				50	3.80	17.581	0.0099	-2.5 to 2.5	Pass

8. Frequency Stability

8.1 B7_5MHz

8.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.40	30.184	0.0121	-2.5 to 2.5	Pass
					3.80	36.836	0.0147	-2.5 to 2.5	Pass
					4.35	-12.674	-0.0051	-2.5 to 2.5	Pass
				-30	3.80	-24.862	-0.0099	-2.5 to 2.5	Pass
				-20	3.80	-30.184	-0.0121	-2.5 to 2.5	Pass
				-10	3.80	-41.327	-0.0165	-2.5 to 2.5	Pass
				0	3.80	-16.952	-0.0068	-2.5 to 2.5	Pass
				10	3.80	-37.179	-0.0149	-2.5 to 2.5	Pass
				30	3.80	-17.352	-0.0069	-2.5 to 2.5	Pass
				40	3.80	-22.502	-0.0090	-2.5 to 2.5	Pass
				50	3.80	-15.392	-0.0062	-2.5 to 2.5	Pass
	2535	25	0	20	3.40	-33.989	-0.0134	-2.5 to 2.5	Pass
					3.80	3.734	0.0015	-2.5 to 2.5	Pass

					4.35	-5.364	-0.0021	-2.5 to 2.5	Pass
				-30	3.80	-14.606	-0.0058	-2.5 to 2.5	Pass
				-20	3.80	-24.834	-0.0098	-2.5 to 2.5	Pass
				-10	3.80	-36.993	-0.0146	-2.5 to 2.5	Pass
				0	3.80	-1.531	-0.0006	-2.5 to 2.5	Pass
				10	3.80	-18.411	-0.0073	-2.5 to 2.5	Pass
				30	3.80	-35.806	-0.0141	-2.5 to 2.5	Pass
				40	3.80	-42.744	-0.0169	-2.5 to 2.5	Pass
				50	3.80	-16.823	-0.0066	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.40	4.377	0.0017	-2.5 to 2.5	Pass
					3.80	30.284	0.0118	-2.5 to 2.5	Pass
					4.35	42.429	0.0165	-2.5 to 2.5	Pass
				-30	3.80	27.208	0.0106	-2.5 to 2.5	Pass
				-20	3.80	9.556	0.0037	-2.5 to 2.5	Pass
				-10	3.80	-22.817	-0.0089	-2.5 to 2.5	Pass
				0	3.80	-5.164	-0.0020	-2.5 to 2.5	Pass
				10	3.80	-31.242	-0.0122	-2.5 to 2.5	Pass
				30	3.80	-33.560	-0.0131	-2.5 to 2.5	Pass
				40	3.80	-3.805	-0.0015	-2.5 to 2.5	Pass
				50	3.80	-35.548	-0.0138	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.40	-31.800	-0.0127	-2.5 to 2.5	Pass
					3.80	-33.374	-0.0133	-2.5 to 2.5	Pass
					4.35	-5.465	-0.0022	-2.5 to 2.5	Pass
				-30	3.80	-27.595	-0.0110	-2.5 to 2.5	Pass
				-20	3.80	-48.137	-0.0192	-2.5 to 2.5	Pass
				-10	3.80	-26.407	-0.0106	-2.5 to 2.5	Pass
				0	3.80	-16.351	-0.0065	-2.5 to 2.5	Pass
				10	3.80	-13.204	-0.0053	-2.5 to 2.5	Pass
				30	3.80	-14.520	-0.0058	-2.5 to 2.5	Pass
				40	3.80	-20.671	-0.0083	-2.5 to 2.5	Pass
				50	3.80	-45.233	-0.0181	-2.5 to 2.5	Pass
	2535	25	0	20	3.40	-29.082	-0.0115	-2.5 to 2.5	Pass
					3.80	-26.979	-0.0106	-2.5 to 2.5	Pass
					4.35	-11.859	-0.0047	-2.5 to 2.5	Pass
				-30	3.80	3.061	0.0012	-2.5 to 2.5	Pass
				-20	3.80	27.537	0.0109	-2.5 to 2.5	Pass
				-10	3.80	16.937	0.0067	-2.5 to 2.5	Pass
				0	3.80	-1.087	-0.0004	-2.5 to 2.5	Pass
				10	3.80	26.336	0.0104	-2.5 to 2.5	Pass
				30	3.80	-10.071	-0.0040	-2.5 to 2.5	Pass
				40	3.80	18.883	0.0074	-2.5 to 2.5	Pass
				50	3.80	37.608	0.0148	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.40	-19.712	-0.0077	-2.5 to 2.5	Pass
					3.80	-36.507	-0.0142	-2.5 to 2.5	Pass
					4.35	-34.289	-0.0134	-2.5 to 2.5	Pass
				-30	3.80	-17.381	-0.0068	-2.5 to 2.5	Pass
				-20	3.80	0.644	0.0003	-2.5 to 2.5	Pass
				-10	3.80	19.083	0.0074	-2.5 to 2.5	Pass
				0	3.80	-9.470	-0.0037	-2.5 to 2.5	Pass
				10	3.80	22.430	0.0087	-2.5 to 2.5	Pass
				30	3.80	-9.670	-0.0038	-2.5 to 2.5	Pass
				40	3.80	13.804	0.0054	-2.5 to 2.5	Pass
				50	3.80	44.975	0.0175	-2.5 to 2.5	Pass

8.2 B7_10MHz

8.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.40	14.048	0.0056	-2.5 to 2.5	Pass
					3.80	16.308	0.0065	-2.5 to 2.5	Pass
					4.35	-46.749	-0.0187	-2.5 to 2.5	Pass
				-30	3.80	-33.374	-0.0133	-2.5 to 2.5	Pass
				-20	3.80	-35.777	-0.0143	-2.5 to 2.5	Pass
				-10	3.80	-36.907	-0.0147	-2.5 to 2.5	Pass
				0	3.80	-13.962	-0.0056	-2.5 to 2.5	Pass
				10	3.80	-12.732	-0.0051	-2.5 to 2.5	Pass
				30	3.80	-22.259	-0.0089	-2.5 to 2.5	Pass
				40	3.80	-25.935	-0.0104	-2.5 to 2.5	Pass
				50	3.80	-14.391	-0.0057	-2.5 to 2.5	Pass
	2535	50	0	20	3.40	-10.028	-0.0040	-2.5 to 2.5	Pass
					3.80	18.668	0.0074	-2.5 to 2.5	Pass
					4.35	12.946	0.0051	-2.5 to 2.5	Pass
				-30	3.80	35.663	0.0141	-2.5 to 2.5	Pass
				-20	3.80	18.554	0.0073	-2.5 to 2.5	Pass
				-10	3.80	37.408	0.0148	-2.5 to 2.5	Pass
				0	3.80	4.950	0.0020	-2.5 to 2.5	Pass
				10	3.80	19.426	0.0077	-2.5 to 2.5	Pass
				30	3.80	32.673	0.0129	-2.5 to 2.5	Pass
				40	3.80	44.947	0.0177	-2.5 to 2.5	Pass
				50	3.80	27.766	0.0110	-2.5 to 2.5	Pass
	2565	50	0	20	3.40	36.664	0.0143	-2.5 to 2.5	Pass
					3.80	33.088	0.0129	-2.5 to 2.5	Pass
					4.35	-2.503	-0.0010	-2.5 to 2.5	Pass
				-30	3.80	9.055	0.0035	-2.5 to 2.5	Pass
				-20	3.80	23.117	0.0090	-2.5 to 2.5	Pass
				-10	3.80	35.477	0.0138	-2.5 to 2.5	Pass
				0	3.80	38.495	0.0150	-2.5 to 2.5	Pass
				10	3.80	41.013	0.0160	-2.5 to 2.5	Pass
				30	3.80	13.418	0.0052	-2.5 to 2.5	Pass
				40	3.80	19.641	0.0077	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.40	-0.830	-0.0003	-2.5 to 2.5	Pass
					3.80	-21.901	-0.0087	-2.5 to 2.5	Pass
					4.35	-14.777	-0.0059	-2.5 to 2.5	Pass
				-30	3.80	-36.650	-0.0146	-2.5 to 2.5	Pass
				-20	3.80	-15.049	-0.0060	-2.5 to 2.5	Pass
				-10	3.80	-18.926	-0.0076	-2.5 to 2.5	Pass
				0	3.80	-23.489	-0.0094	-2.5 to 2.5	Pass
				10	3.80	-20.442	-0.0082	-2.5 to 2.5	Pass
				30	3.80	-25.077	-0.0100	-2.5 to 2.5	Pass
				40	3.80	-34.246	-0.0137	-2.5 to 2.5	Pass
				50	3.80	-37.451	-0.0150	-2.5 to 2.5	Pass
	2535	50	0	20	3.40	51.513	0.0203	-2.5 to 2.5	Pass
					3.80	28.310	0.0112	-2.5 to 2.5	Pass
					4.35	43.387	0.0171	-2.5 to 2.5	Pass
				-30	3.80	22.745	0.0090	-2.5 to 2.5	Pass
				-20	3.80	20.041	0.0079	-2.5 to 2.5	Pass
				-10	3.80	21.100	0.0083	-2.5 to 2.5	Pass
				0	3.80	3.676	0.0015	-2.5 to 2.5	Pass

				10	3.80	31.772	0.0125	-2.5 to 2.5	Pass
				30	3.80	39.725	0.0157	-2.5 to 2.5	Pass
				40	3.80	6.852	0.0027	-2.5 to 2.5	Pass
				50	3.80	35.334	0.0139	-2.5 to 2.5	Pass
	2565	50	0	20	3.40	17.052	0.0066	-2.5 to 2.5	Pass
					3.80	33.774	0.0132	-2.5 to 2.5	Pass
					4.35	38.137	0.0149	-2.5 to 2.5	Pass
				-30	3.80	2.232	0.0009	-2.5 to 2.5	Pass
				-20	3.80	23.017	0.0090	-2.5 to 2.5	Pass
				-10	3.80	24.047	0.0094	-2.5 to 2.5	Pass
				0	3.80	39.854	0.0155	-2.5 to 2.5	Pass
				10	3.80	38.867	0.0152	-2.5 to 2.5	Pass
				30	3.80	19.827	0.0077	-2.5 to 2.5	Pass
				40	3.80	24.619	0.0096	-2.5 to 2.5	Pass
				50	3.80	25.306	0.0099	-2.5 to 2.5	Pass

8.3 B7_15MHz

8.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.40	31.829	0.0127	-2.5 to 2.5	Pass
					3.80	25.592	0.0102	-2.5 to 2.5	Pass
					4.35	-23.990	-0.0096	-2.5 to 2.5	Pass
				-30	3.80	-19.555	-0.0078	-2.5 to 2.5	Pass
				-20	3.80	-33.903	-0.0135	-2.5 to 2.5	Pass
				-10	3.80	-36.707	-0.0146	-2.5 to 2.5	Pass
				0	3.80	-24.519	-0.0098	-2.5 to 2.5	Pass
				10	3.80	-27.552	-0.0110	-2.5 to 2.5	Pass
				30	3.80	-26.550	-0.0106	-2.5 to 2.5	Pass
				40	3.80	-9.828	-0.0039	-2.5 to 2.5	Pass
				50	3.80	-4.449	-0.0018	-2.5 to 2.5	Pass
	2535	75	0	20	3.40	19.412	0.0077	-2.5 to 2.5	Pass
					3.80	3.533	0.0014	-2.5 to 2.5	Pass
					4.35	27.237	0.0107	-2.5 to 2.5	Pass
				-30	3.80	21.644	0.0085	-2.5 to 2.5	Pass
				-20	3.80	44.174	0.0174	-2.5 to 2.5	Pass
				-10	3.80	4.706	0.0019	-2.5 to 2.5	Pass
				0	3.80	22.388	0.0088	-2.5 to 2.5	Pass
				10	3.80	39.153	0.0154	-2.5 to 2.5	Pass
				30	3.80	7.281	0.0029	-2.5 to 2.5	Pass
				40	3.80	23.947	0.0094	-2.5 to 2.5	Pass
				50	3.80	38.910	0.0153	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.40	11.916	0.0047	-2.5 to 2.5	Pass
					3.80	23.832	0.0093	-2.5 to 2.5	Pass
					4.35	38.838	0.0152	-2.5 to 2.5	Pass
				-30	3.80	37.251	0.0145	-2.5 to 2.5	Pass
				-20	3.80	26.307	0.0103	-2.5 to 2.5	Pass
				-10	3.80	20.142	0.0079	-2.5 to 2.5	Pass
				0	3.80	12.789	0.0050	-2.5 to 2.5	Pass
				10	3.80	14.548	0.0057	-2.5 to 2.5	Pass
				30	3.80	9.227	0.0036	-2.5 to 2.5	Pass
				40	3.80	4.334	0.0017	-2.5 to 2.5	Pass

				50	3.80	-3.448	-0.0013	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.40	-31.142	-0.0124	-2.5 to 2.5	Pass
					3.80	-39.411	-0.0157	-2.5 to 2.5	Pass
					4.35	-3.405	-0.0014	-2.5 to 2.5	Pass
					3.80	-14.691	-0.0059	-2.5 to 2.5	Pass
				-30	3.80	-22.016	-0.0088	-2.5 to 2.5	Pass
				-20	3.80	-32.129	-0.0128	-2.5 to 2.5	Pass
				-10	3.80	-27.666	-0.0110	-2.5 to 2.5	Pass
				0	3.80	-35.219	-0.0140	-2.5 to 2.5	Pass
				10	3.80	-21.372	-0.0085	-2.5 to 2.5	Pass
				30	3.80	-15.020	-0.0060	-2.5 to 2.5	Pass
	2535	75	0	40	3.80	-15.535	-0.0062	-2.5 to 2.5	Pass
				50	3.40	-9.656	-0.0038	-2.5 to 2.5	Pass
				20	3.80	22.388	0.0088	-2.5 to 2.5	Pass
					4.35	22.759	0.0090	-2.5 to 2.5	Pass
					3.80	33.932	0.0134	-2.5 to 2.5	Pass
					3.80	34.204	0.0135	-2.5 to 2.5	Pass
				-30	3.80	34.633	0.0137	-2.5 to 2.5	Pass
				-20	3.80	30.198	0.0119	-2.5 to 2.5	Pass
				-10	3.80	41.127	0.0162	-2.5 to 2.5	Pass
				0	3.80	18.525	0.0073	-2.5 to 2.5	Pass
	2562.5	75	0	10	3.80	16.150	0.0064	-2.5 to 2.5	Pass
				30	3.80	23.060	0.0091	-2.5 to 2.5	Pass
				40	3.40	-4.535	-0.0018	-2.5 to 2.5	Pass
				20	3.80	2.103	0.0008	-2.5 to 2.5	Pass
					4.35	29.025	0.0113	-2.5 to 2.5	Pass
					3.80	-2.689	-0.0010	-2.5 to 2.5	Pass
					3.80	31.457	0.0123	-2.5 to 2.5	Pass
				-30	3.80	30.928	0.0121	-2.5 to 2.5	Pass
				-20	3.80	24.219	0.0095	-2.5 to 2.5	Pass
				-10	3.80	23.074	0.0090	-2.5 to 2.5	Pass
				0	3.80	12.088	0.0047	-2.5 to 2.5	Pass
				10	3.80	24.662	0.0096	-2.5 to 2.5	Pass
				30	3.80	-12.460	-0.0049	-2.5 to 2.5	Pass
				40	3.80				
				50	3.80				

8.4 B7_20MHz

8.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.40	39.539	0.0158	-2.5 to 2.5	Pass
					3.80	0.014	0.0000	-2.5 to 2.5	Pass
					4.35	-19.784	-0.0079	-2.5 to 2.5	Pass
					3.80	-26.293	-0.0105	-2.5 to 2.5	Pass
				-30	3.80	-41.413	-0.0165	-2.5 to 2.5	Pass
				-20	3.80	-32.701	-0.0130	-2.5 to 2.5	Pass
				-10	3.80	-18.640	-0.0074	-2.5 to 2.5	Pass
				0	3.80	-29.254	-0.0117	-2.5 to 2.5	Pass
				10	3.80	-5.093	-0.0020	-2.5 to 2.5	Pass
				30	3.80	-17.495	-0.0070	-2.5 to 2.5	Pass
	2535	100	0	40	3.80	-33.216	-0.0132	-2.5 to 2.5	Pass
				50	3.40	11.787	0.0046	-2.5 to 2.5	Pass
				20	3.80	36.850	0.0145	-2.5 to 2.5	Pass

					4.35	37.136	0.0146	-2.5 to 2.5	Pass
				-30	3.80	-6.337	-0.0025	-2.5 to 2.5	Pass
				-20	3.80	2.561	0.0010	-2.5 to 2.5	Pass
				-10	3.80	9.027	0.0036	-2.5 to 2.5	Pass
				0	3.80	13.990	0.0055	-2.5 to 2.5	Pass
				10	3.80	30.556	0.0121	-2.5 to 2.5	Pass
				30	3.80	32.902	0.0130	-2.5 to 2.5	Pass
				40	3.80	35.348	0.0139	-2.5 to 2.5	Pass
				50	3.80	40.984	0.0162	-2.5 to 2.5	Pass
	2560	100	0	20	3.40	22.874	0.0089	-2.5 to 2.5	Pass
					3.80	-5.651	-0.0022	-2.5 to 2.5	Pass
					4.35	-3.791	-0.0015	-2.5 to 2.5	Pass
				-30	3.80	-33.803	-0.0132	-2.5 to 2.5	Pass
				-20	3.80	-11.916	-0.0047	-2.5 to 2.5	Pass
				-10	3.80	-31.443	-0.0123	-2.5 to 2.5	Pass
				0	3.80	-15.578	-0.0061	-2.5 to 2.5	Pass
				10	3.80	-36.235	-0.0142	-2.5 to 2.5	Pass
				30	3.80	-25.706	-0.0100	-2.5 to 2.5	Pass
				40	3.80	-8.426	-0.0033	-2.5 to 2.5	Pass
				50	3.80	-33.889	-0.0132	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.40	-46.234	-0.0184	-2.5 to 2.5	Pass
					3.80	-47.178	-0.0188	-2.5 to 2.5	Pass
					4.35	-47.007	-0.0187	-2.5 to 2.5	Pass
				-30	3.80	-44.532	-0.0177	-2.5 to 2.5	Pass
				-20	3.80	-30.956	-0.0123	-2.5 to 2.5	Pass
				-10	3.80	-28.625	-0.0114	-2.5 to 2.5	Pass
				0	3.80	-19.012	-0.0076	-2.5 to 2.5	Pass
				10	3.80	-9.098	-0.0036	-2.5 to 2.5	Pass
				30	3.80	3.033	0.0012	-2.5 to 2.5	Pass
				40	3.80	17.309	0.0069	-2.5 to 2.5	Pass
				50	3.80	23.060	0.0092	-2.5 to 2.5	Pass
	2535	100	0	20	3.40	2.060	0.0008	-2.5 to 2.5	Pass
					3.80	27.394	0.0108	-2.5 to 2.5	Pass
					4.35	0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.80	16.751	0.0066	-2.5 to 2.5	Pass
				-20	3.80	-2.818	-0.0011	-2.5 to 2.5	Pass
				-10	3.80	31.371	0.0124	-2.5 to 2.5	Pass
				0	3.80	35.591	0.0140	-2.5 to 2.5	Pass
				10	3.80	2.789	0.0011	-2.5 to 2.5	Pass
				30	3.80	-0.114	0.0000	-2.5 to 2.5	Pass
				40	3.80	21.930	0.0087	-2.5 to 2.5	Pass
				50	3.80	24.047	0.0095	-2.5 to 2.5	Pass
	2560	100	0	20	3.40	-20.986	-0.0082	-2.5 to 2.5	Pass
					3.80	-4.549	-0.0018	-2.5 to 2.5	Pass
					4.35	20.113	0.0079	-2.5 to 2.5	Pass
				-30	3.80	12.660	0.0049	-2.5 to 2.5	Pass
				-20	3.80	18.840	0.0074	-2.5 to 2.5	Pass
				-10	3.80	17.323	0.0068	-2.5 to 2.5	Pass
				0	3.80	13.990	0.0055	-2.5 to 2.5	Pass
				10	3.80	16.937	0.0066	-2.5 to 2.5	Pass
				30	3.80	39.396	0.0154	-2.5 to 2.5	Pass
				40	3.80	12.503	0.0049	-2.5 to 2.5	Pass
				50	3.80	35.834	0.0140	-2.5 to 2.5	Pass