

1. Frequency Stability

1.1 B12_1.4MHz

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.27	-11.930	-0.0171	-2.5 to 2.5	Pass
					3.85	-43.273	-0.0618	-2.5 to 2.5	Pass
					4.43	-29.411	-0.0420	-2.5 to 2.5	Pass
				-30	3.85	-10.686	-0.0153	-2.5 to 2.5	Pass
				-20	3.85	-38.924	-0.0556	-2.5 to 2.5	Pass
				-10	3.85	-18.611	-0.0266	-2.5 to 2.5	Pass
				0	3.85	-9.928	-0.0142	-2.5 to 2.5	Pass
				10	3.85	-16.422	-0.0235	-2.5 to 2.5	Pass
				30	3.85	-11.473	-0.0164	-2.5 to 2.5	Pass
				40	3.85	-8.841	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-19.255	-0.0275	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-7.925	-0.0112	-2.5 to 2.5	Pass
					3.85	-18.697	-0.0264	-2.5 to 2.5	Pass
					4.43	-31.056	-0.0439	-2.5 to 2.5	Pass
				-30	3.85	-23.360	-0.0330	-2.5 to 2.5	Pass
				-20	3.85	-17.323	-0.0245	-2.5 to 2.5	Pass
				-10	3.85	-32.902	-0.0465	-2.5 to 2.5	Pass
				0	3.85	-47.235	-0.0668	-2.5 to 2.5	Pass
				10	3.85	-6.151	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-20.571	-0.0291	-2.5 to 2.5	Pass
				40	3.85	-34.690	-0.0490	-2.5 to 2.5	Pass
				50	3.85	-11.086	-0.0157	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-1.230	-0.0017	-2.5 to 2.5	Pass
					3.85	-6.895	-0.0096	-2.5 to 2.5	Pass
					4.43	-16.580	-0.0232	-2.5 to 2.5	Pass
				-30	3.85	-27.981	-0.0391	-2.5 to 2.5	Pass
				-20	3.85	-37.422	-0.0523	-2.5 to 2.5	Pass
				-10	3.85	-47.979	-0.0671	-2.5 to 2.5	Pass
				0	3.85	-2.360	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-12.245	-0.0171	-2.5 to 2.5	Pass
				30	3.85	-19.512	-0.0273	-2.5 to 2.5	Pass
				40	3.85	-26.565	-0.0371	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-37.379	-0.0534	-2.5 to 2.5	Pass
					3.85	-27.380	-0.0391	-2.5 to 2.5	Pass
					4.43	-5.980	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-36.907	-0.0527	-2.5 to 2.5	Pass
				-20	3.85	-18.268	-0.0261	-2.5 to 2.5	Pass
				-10	3.85	-45.304	-0.0647	-2.5 to 2.5	Pass
				0	3.85	-14.920	-0.0213	-2.5 to 2.5	Pass
				10	3.85	-39.382	-0.0563	-2.5 to 2.5	Pass
				30	3.85	-16.108	-0.0230	-2.5 to 2.5	Pass
				40	3.85	-37.909	-0.0542	-2.5 to 2.5	Pass
				50	3.85	-14.606	-0.0209	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-15.006	-0.0212	-2.5 to 2.5	Pass
					3.85	-28.582	-0.0404	-2.5 to 2.5	Pass

					4.43	-41.642	-0.0589	-2.5 to 2.5	Pass
				-30	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-11.358	-0.0161	-2.5 to 2.5	Pass
				-10	3.85	-22.888	-0.0324	-2.5 to 2.5	Pass
				0	3.85	-35.706	-0.0505	-2.5 to 2.5	Pass
				10	3.85	-44.661	-0.0631	-2.5 to 2.5	Pass
				30	3.85	-6.237	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-17.395	-0.0246	-2.5 to 2.5	Pass
				50	3.85	-27.852	-0.0394	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-43.015	-0.0601	-2.5 to 2.5	Pass
					3.85	0.944	0.0013	-2.5 to 2.5	Pass
					4.43	-6.523	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-12.732	-0.0178	-2.5 to 2.5	Pass
				-20	3.85	-19.255	-0.0269	-2.5 to 2.5	Pass
				-10	3.85	-26.064	-0.0364	-2.5 to 2.5	Pass
				0	3.85	-33.717	-0.0471	-2.5 to 2.5	Pass
				10	3.85	-40.226	-0.0562	-2.5 to 2.5	Pass
				30	3.85	-46.105	-0.0645	-2.5 to 2.5	Pass
				40	3.85	-10.099	-0.0141	-2.5 to 2.5	Pass
				50	3.85	-17.037	-0.0238	-2.5 to 2.5	Pass

1.2 B12_3MHz

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	-6.437	-0.0092	-2.5 to 2.5	Pass
					3.85	-44.246	-0.0632	-2.5 to 2.5	Pass
					4.43	-43.788	-0.0625	-2.5 to 2.5	Pass
				-30	3.85	-30.513	-0.0436	-2.5 to 2.5	Pass
				-20	3.85	-20.170	-0.0288	-2.5 to 2.5	Pass
				-10	3.85	-3.676	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-24.233	-0.0346	-2.5 to 2.5	Pass
				10	3.85	-46.721	-0.0667	-2.5 to 2.5	Pass
				30	3.85	-24.061	-0.0343	-2.5 to 2.5	Pass
				40	3.85	-44.374	-0.0633	-2.5 to 2.5	Pass
				50	3.85	-8.798	-0.0126	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	1.402	0.0020	-2.5 to 2.5	Pass
					3.85	0.358	0.0005	-2.5 to 2.5	Pass
					4.43	-6.094	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-14.277	-0.0202	-2.5 to 2.5	Pass
				-20	3.85	-23.546	-0.0333	-2.5 to 2.5	Pass
				-10	3.85	-31.757	-0.0449	-2.5 to 2.5	Pass
				0	3.85	-38.753	-0.0548	-2.5 to 2.5	Pass
				10	3.85	-44.575	-0.0630	-2.5 to 2.5	Pass
				30	3.85	-2.832	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-8.812	-0.0125	-2.5 to 2.5	Pass
				50	3.85	-16.007	-0.0226	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	3.233	0.0045	-2.5 to 2.5	Pass
					3.85	3.819	0.0053	-2.5 to 2.5	Pass
					4.43	-1.903	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-8.326	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-13.318	-0.0186	-2.5 to 2.5	Pass

				-10	3.85	-18.454	-0.0258	-2.5 to 2.5	Pass
				0	3.85	-23.117	-0.0324	-2.5 to 2.5	Pass
				10	3.85	-27.738	-0.0388	-2.5 to 2.5	Pass
				30	3.85	-31.300	-0.0438	-2.5 to 2.5	Pass
				40	3.85	-34.404	-0.0482	-2.5 to 2.5	Pass
				50	3.85	-38.438	-0.0538	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-27.967	-0.0399	-2.5 to 2.5	Pass
					3.85	-40.798	-0.0582	-2.5 to 2.5	Pass
					4.43	-6.523	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-14.262	-0.0204	-2.5 to 2.5	Pass
				-20	3.85	-21.086	-0.0301	-2.5 to 2.5	Pass
				-10	3.85	-26.407	-0.0377	-2.5 to 2.5	Pass
				0	3.85	-33.016	-0.0471	-2.5 to 2.5	Pass
				10	3.85	-39.196	-0.0560	-2.5 to 2.5	Pass
				30	3.85	-46.663	-0.0666	-2.5 to 2.5	Pass
				40	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	-5.322	-0.0076	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-22.316	-0.0315	-2.5 to 2.5	Pass
					3.85	-25.992	-0.0367	-2.5 to 2.5	Pass
					4.43	-29.640	-0.0419	-2.5 to 2.5	Pass
				-30	3.85	-32.244	-0.0456	-2.5 to 2.5	Pass
				-20	3.85	-33.875	-0.0479	-2.5 to 2.5	Pass
				-10	3.85	-37.007	-0.0523	-2.5 to 2.5	Pass
				0	3.85	-39.468	-0.0558	-2.5 to 2.5	Pass
				10	3.85	-42.801	-0.0605	-2.5 to 2.5	Pass
				30	3.85	-44.689	-0.0632	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-3.533	-0.0050	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-42.200	-0.0591	-2.5 to 2.5	Pass
					3.85	-44.889	-0.0628	-2.5 to 2.5	Pass
					4.43	-44.303	-0.0620	-2.5 to 2.5	Pass
				-30	3.85	-44.489	-0.0623	-2.5 to 2.5	Pass
				-20	3.85	-42.157	-0.0590	-2.5 to 2.5	Pass
				-10	3.85	-43.144	-0.0604	-2.5 to 2.5	Pass
				0	3.85	-43.302	-0.0606	-2.5 to 2.5	Pass
				10	3.85	-43.287	-0.0606	-2.5 to 2.5	Pass
				30	3.85	-44.303	-0.0620	-2.5 to 2.5	Pass
				40	3.85	-44.403	-0.0621	-2.5 to 2.5	Pass
				50	3.85	-46.163	-0.0646	-2.5 to 2.5	Pass

1.3 B12_5MHz

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	12.803	0.0183	-2.5 to 2.5	Pass
					3.85	21.987	0.0313	-2.5 to 2.5	Pass
					4.43	19.698	0.0281	-2.5 to 2.5	Pass
				-30	3.85	15.178	0.0216	-2.5 to 2.5	Pass
				-20	3.85	8.326	0.0119	-2.5 to 2.5	Pass
				-10	3.85	2.475	0.0035	-2.5 to 2.5	Pass
				0	3.85	-3.848	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-7.911	-0.0113	-2.5 to 2.5	Pass

				30	3.85	-15.464	-0.0220	-2.5 to 2.5	Pass
				40	3.85	-18.311	-0.0261	-2.5 to 2.5	Pass
				50	3.85	-23.360	-0.0333	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-0.801	-0.0011	-2.5 to 2.5	Pass
					3.85	0.715	0.0010	-2.5 to 2.5	Pass
					4.43	-4.878	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-10.114	-0.0143	-2.5 to 2.5	Pass
				-20	3.85	-15.421	-0.0218	-2.5 to 2.5	Pass
				-10	3.85	-21.329	-0.0301	-2.5 to 2.5	Pass
				0	3.85	-27.409	-0.0387	-2.5 to 2.5	Pass
				10	3.85	-32.058	-0.0453	-2.5 to 2.5	Pass
				30	3.85	-37.751	-0.0534	-2.5 to 2.5	Pass
				40	3.85	-41.084	-0.0581	-2.5 to 2.5	Pass
				50	3.85	-45.791	-0.0647	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	7.038	0.0099	-2.5 to 2.5	Pass
					3.85	9.985	0.0140	-2.5 to 2.5	Pass
					4.43	8.383	0.0117	-2.5 to 2.5	Pass
				-30	3.85	5.536	0.0078	-2.5 to 2.5	Pass
				-20	3.85	1.459	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.416	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.119	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-5.736	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-9.041	-0.0127	-2.5 to 2.5	Pass
				40	3.85	-11.730	-0.0164	-2.5 to 2.5	Pass
				50	3.85	-12.646	-0.0177	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-26.236	-0.0374	-2.5 to 2.5	Pass
					3.85	-29.068	-0.0414	-2.5 to 2.5	Pass
					4.43	-31.300	-0.0446	-2.5 to 2.5	Pass
				-30	3.85	-31.328	-0.0447	-2.5 to 2.5	Pass
				-20	3.85	-33.059	-0.0471	-2.5 to 2.5	Pass
				-10	3.85	-32.759	-0.0467	-2.5 to 2.5	Pass
				0	3.85	-34.461	-0.0491	-2.5 to 2.5	Pass
				10	3.85	-35.090	-0.0500	-2.5 to 2.5	Pass
				30	3.85	-35.748	-0.0510	-2.5 to 2.5	Pass
				40	3.85	-36.464	-0.0520	-2.5 to 2.5	Pass
				50	3.85	-36.621	-0.0522	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	4.349	0.0061	-2.5 to 2.5	Pass
					3.85	1.845	0.0026	-2.5 to 2.5	Pass
					4.43	0.844	0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.574	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-2.518	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-4.249	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-2.418	-0.0034	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-14.462	-0.0203	-2.5 to 2.5	Pass
					3.85	-16.036	-0.0225	-2.5 to 2.5	Pass
					4.43	-13.003	-0.0182	-2.5 to 2.5	Pass
				-30	3.85	-9.813	-0.0138	-2.5 to 2.5	Pass
				-20	3.85	-9.542	-0.0134	-2.5 to 2.5	Pass
				-10	3.85	-7.482	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-7.610	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-5.879	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-5.908	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-4.349	-0.0061	-2.5 to 2.5	Pass

				50	3.85	-3.777	-0.0053	-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	3.27	14.534	0.0206	-2.5 to 2.5	Pass
					3.85	23.775	0.0338	-2.5 to 2.5	Pass
					4.43	19.126	0.0272	-2.5 to 2.5	Pass
				-30	3.85	10.901	0.0155	-2.5 to 2.5	Pass
				-20	3.85	4.978	0.0071	-2.5 to 2.5	Pass
				-10	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-6.094	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-11.044	-0.0157	-2.5 to 2.5	Pass
				40	3.85	-13.175	-0.0187	-2.5 to 2.5	Pass
				50	3.85	-16.866	-0.0240	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	9.842	0.0139	-2.5 to 2.5	Pass
					3.85	11.230	0.0159	-2.5 to 2.5	Pass
					4.43	6.566	0.0093	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-5.465	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-8.841	-0.0125	-2.5 to 2.5	Pass
				0	3.85	-14.277	-0.0202	-2.5 to 2.5	Pass
				10	3.85	-19.727	-0.0279	-2.5 to 2.5	Pass
				30	3.85	-23.646	-0.0334	-2.5 to 2.5	Pass
				40	3.85	-27.080	-0.0383	-2.5 to 2.5	Pass
				50	3.85	-31.557	-0.0446	-2.5 to 2.5	Pass
	711	50	0	20	3.27	1.230	0.0017	-2.5 to 2.5	Pass
					3.85	3.934	0.0055	-2.5 to 2.5	Pass
					4.43	-1.016	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-6.065	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-9.327	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-13.990	-0.0197	-2.5 to 2.5	Pass
				0	3.85	-18.725	-0.0263	-2.5 to 2.5	Pass
				10	3.85	-22.044	-0.0310	-2.5 to 2.5	Pass
				30	3.85	-23.260	-0.0327	-2.5 to 2.5	Pass
				40	3.85	-26.379	-0.0371	-2.5 to 2.5	Pass
				50	3.85	-27.537	-0.0387	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-19.941	-0.0283	-2.5 to 2.5	Pass
					3.85	-20.499	-0.0291	-2.5 to 2.5	Pass
					4.43	-19.398	-0.0276	-2.5 to 2.5	Pass
				-30	3.85	-18.554	-0.0264	-2.5 to 2.5	Pass
				-20	3.85	-16.823	-0.0239	-2.5 to 2.5	Pass
				-10	3.85	-15.635	-0.0222	-2.5 to 2.5	Pass
				0	3.85	-15.550	-0.0221	-2.5 to 2.5	Pass
				10	3.85	-13.862	-0.0197	-2.5 to 2.5	Pass
				30	3.85	-13.590	-0.0193	-2.5 to 2.5	Pass
				40	3.85	-12.589	-0.0179	-2.5 to 2.5	Pass
				50	3.85	-13.962	-0.0198	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-35.591	-0.0503	-2.5 to 2.5	Pass
					3.85	-36.378	-0.0514	-2.5 to 2.5	Pass

					4.43	-36.492	-0.0516	-2.5 to 2.5	Pass
				-30	3.85	-34.475	-0.0487	-2.5 to 2.5	Pass
				-20	3.85	-32.415	-0.0458	-2.5 to 2.5	Pass
				-10	3.85	-33.216	-0.0469	-2.5 to 2.5	Pass
				0	3.85	-32.701	-0.0462	-2.5 to 2.5	Pass
				10	3.85	-33.588	-0.0475	-2.5 to 2.5	Pass
				30	3.85	-32.301	-0.0457	-2.5 to 2.5	Pass
				40	3.85	-32.001	-0.0452	-2.5 to 2.5	Pass
				50	3.85	-34.275	-0.0484	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-32.287	-0.0454	-2.5 to 2.5	Pass
					3.85	-33.231	-0.0467	-2.5 to 2.5	Pass
					4.43	-30.870	-0.0434	-2.5 to 2.5	Pass
				-30	3.85	-29.240	-0.0411	-2.5 to 2.5	Pass
				-20	3.85	-28.338	-0.0399	-2.5 to 2.5	Pass
				-10	3.85	-27.080	-0.0381	-2.5 to 2.5	Pass
				0	3.85	-25.706	-0.0362	-2.5 to 2.5	Pass
				10	3.85	-25.964	-0.0365	-2.5 to 2.5	Pass
				30	3.85	-25.792	-0.0363	-2.5 to 2.5	Pass
				40	3.85	-25.692	-0.0361	-2.5 to 2.5	Pass
				50	3.85	-26.221	-0.0369	-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	3.27	-8.168	-0.0105	-2.5 to 2.5	Pass
					3.85	-8.340	-0.0107	-2.5 to 2.5	Pass
					4.43	-15.621	-0.0200	-2.5 to 2.5	Pass
				-30	3.85	-22.144	-0.0284	-2.5 to 2.5	Pass
				-20	3.85	-10.543	-0.0135	-2.5 to 2.5	Pass
				-10	3.85	-50.125	-0.0643	-2.5 to 2.5	Pass
				0	3.85	-34.261	-0.0440	-2.5 to 2.5	Pass
				10	3.85	-13.504	-0.0173	-2.5 to 2.5	Pass
				30	3.85	-41.571	-0.0533	-2.5 to 2.5	Pass
				40	3.85	-18.511	-0.0237	-2.5 to 2.5	Pass
				50	3.85	-41.299	-0.0530	-2.5 to 2.5	Pass
	782	25	0	20	3.27	3.948	0.0050	-2.5 to 2.5	Pass
					3.85	1.817	0.0023	-2.5 to 2.5	Pass
					4.43	-5.965	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-16.823	-0.0215	-2.5 to 2.5	Pass
				-20	3.85	-25.778	-0.0330	-2.5 to 2.5	Pass
				-10	3.85	-35.076	-0.0449	-2.5 to 2.5	Pass
				0	3.85	-45.176	-0.0578	-2.5 to 2.5	Pass
				10	3.85	-40.684	-0.0520	-2.5 to 2.5	Pass
				30	3.85	-6.166	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-13.504	-0.0173	-2.5 to 2.5	Pass
				50	3.85	-19.498	-0.0249	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	1.330	0.0017	-2.5 to 2.5	Pass
					3.85	5.121	0.0065	-2.5 to 2.5	Pass

					4.43	2.718	0.0035	-2.5 to 2.5	Pass
				-30	3.85	-2.446	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-8.068	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-12.774	-0.0163	-2.5 to 2.5	Pass
				0	3.85	-17.710	-0.0226	-2.5 to 2.5	Pass
				10	3.85	-22.717	-0.0290	-2.5 to 2.5	Pass
				30	3.85	-26.193	-0.0334	-2.5 to 2.5	Pass
				40	3.85	-30.012	-0.0383	-2.5 to 2.5	Pass
				50	3.85	-31.772	-0.0405	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.27	-12.589	-0.0162	-2.5 to 2.5	Pass
					3.85	-28.696	-0.0368	-2.5 to 2.5	Pass
					4.43	-41.599	-0.0534	-2.5 to 2.5	Pass
				-30	3.85	4.191	0.0054	-2.5 to 2.5	Pass
				-20	3.85	-6.552	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-14.863	-0.0191	-2.5 to 2.5	Pass
				0	3.85	-21.687	-0.0278	-2.5 to 2.5	Pass
				10	3.85	-28.911	-0.0371	-2.5 to 2.5	Pass
				30	3.85	-35.834	-0.0460	-2.5 to 2.5	Pass
				40	3.85	-42.443	-0.0544	-2.5 to 2.5	Pass
	782	25	0	50	3.85	-48.194	-0.0618	-2.5 to 2.5	Pass
				20	3.27	-27.452	-0.0351	-2.5 to 2.5	Pass
					3.85	-33.031	-0.0422	-2.5 to 2.5	Pass
					4.43	-35.334	-0.0452	-2.5 to 2.5	Pass
				-30	3.85	-37.308	-0.0477	-2.5 to 2.5	Pass
				-20	3.85	-36.678	-0.0469	-2.5 to 2.5	Pass
				-10	3.85	-37.894	-0.0485	-2.5 to 2.5	Pass
				0	3.85	-39.597	-0.0506	-2.5 to 2.5	Pass
				10	3.85	-40.655	-0.0520	-2.5 to 2.5	Pass
				30	3.85	-45.218	-0.0578	-2.5 to 2.5	Pass
	784.5	25	0	40	3.85	-46.206	-0.0591	-2.5 to 2.5	Pass
				50	3.85	-47.321	-0.0605	-2.5 to 2.5	Pass
				20	3.27	-36.464	-0.0465	-2.5 to 2.5	Pass
					3.85	-36.793	-0.0469	-2.5 to 2.5	Pass
					4.43	-36.206	-0.0462	-2.5 to 2.5	Pass
				-30	3.85	-34.618	-0.0441	-2.5 to 2.5	Pass
				-20	3.85	-34.804	-0.0444	-2.5 to 2.5	Pass
				-10	3.85	-35.291	-0.0450	-2.5 to 2.5	Pass
				0	3.85	-34.847	-0.0444	-2.5 to 2.5	Pass
				10	3.85	-36.292	-0.0463	-2.5 to 2.5	Pass
				30	3.85	-36.192	-0.0461	-2.5 to 2.5	Pass
				40	3.85	-34.018	-0.0434	-2.5 to 2.5	Pass
				50	3.85	-34.432	-0.0439	-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	3.27	20.571	0.0263	-2.5 to 2.5	Pass
					3.85	28.424	0.0363	-2.5 to 2.5	Pass
					4.43	24.018	0.0307	-2.5 to 2.5	Pass
				-30	3.85	17.295	0.0221	-2.5 to 2.5	Pass
				-20	3.85	11.973	0.0153	-2.5 to 2.5	Pass

				-10	3.85	6.080	0.0078	-2.5 to 2.5	Pass
				0	3.85	0.572	0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.977	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-5.822	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-9.813	-0.0125	-2.5 to 2.5	Pass
				50	3.85	-12.460	-0.0159	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.27	-15.149	-0.0194	-2.5 to 2.5	Pass
					3.85	-16.966	-0.0217	-2.5 to 2.5	Pass
					4.43	-15.879	-0.0203	-2.5 to 2.5	Pass
				-30	3.85	-13.690	-0.0175	-2.5 to 2.5	Pass
				-20	3.85	-12.918	-0.0165	-2.5 to 2.5	Pass
				-10	3.85	-13.232	-0.0169	-2.5 to 2.5	Pass
				0	3.85	-10.986	-0.0140	-2.5 to 2.5	Pass
				10	3.85	-12.059	-0.0154	-2.5 to 2.5	Pass
				30	3.85	-11.630	-0.0149	-2.5 to 2.5	Pass
				40	3.85	-12.345	-0.0158	-2.5 to 2.5	Pass
				50	3.85	-10.099	-0.0129	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 B17_5MHz

3.1.1 Test Result

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	11.516	0.0163	-2.5 to 2.5	Pass
					3.85	18.668	0.0264	-2.5 to 2.5	Pass
					4.43	14.019	0.0198	-2.5 to 2.5	Pass
				-30	3.85	9.170	0.0130	-2.5 to 2.5	Pass
				-20	3.85	4.506	0.0064	-2.5 to 2.5	Pass
				-10	3.85	1.173	0.0017	-2.5 to 2.5	Pass
				0	3.85	-2.704	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-6.008	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-8.569	-0.0121	-2.5 to 2.5	Pass
				40	3.85	-11.086	-0.0157	-2.5 to 2.5	Pass
				50	3.85	-14.019	-0.0198	-2.5 to 2.5	Pass
	710	25	0	20	3.27	5.178	0.0073	-2.5 to 2.5	Pass
					3.85	9.356	0.0132	-2.5 to 2.5	Pass
					4.43	5.207	0.0073	-2.5 to 2.5	Pass
				-30	3.85	1.359	0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-6.938	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-10.185	-0.0143	-2.5 to 2.5	Pass
				10	3.85	-13.862	-0.0195	-2.5 to 2.5	Pass
				30	3.85	-17.323	-0.0244	-2.5 to 2.5	Pass
				40	3.85	-19.383	-0.0273	-2.5 to 2.5	Pass
				50	3.85	-22.759	-0.0321	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	3.848	0.0054	-2.5 to 2.5	Pass
					3.85	9.012	0.0126	-2.5 to 2.5	Pass
					4.43	9.441	0.0132	-2.5 to 2.5	Pass
				-30	3.85	6.537	0.0092	-2.5 to 2.5	Pass
				-20	3.85	6.108	0.0086	-2.5 to 2.5	Pass

16QAM	706.5	25	0	-10	3.85	5.093	0.0071	-2.5 to 2.5	Pass
				0	3.85	4.377	0.0061	-2.5 to 2.5	Pass
				10	3.85	2.332	0.0033	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0028	-2.5 to 2.5	Pass
				40	3.85	1.202	0.0017	-2.5 to 2.5	Pass
				50	3.85	0.873	0.0012	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-17.281	-0.0245	-2.5 to 2.5	Pass
					3.85	-17.653	-0.0250	-2.5 to 2.5	Pass
					4.43	-17.295	-0.0245	-2.5 to 2.5	Pass
				-30	3.85	-16.222	-0.0230	-2.5 to 2.5	Pass
				-20	3.85	-14.191	-0.0201	-2.5 to 2.5	Pass
				-10	3.85	-13.633	-0.0193	-2.5 to 2.5	Pass
				0	3.85	-11.601	-0.0164	-2.5 to 2.5	Pass
				10	3.85	-10.700	-0.0151	-2.5 to 2.5	Pass
				30	3.85	-9.742	-0.0138	-2.5 to 2.5	Pass
				40	3.85	-8.140	-0.0115	-2.5 to 2.5	Pass
				50	3.85	-8.612	-0.0122	-2.5 to 2.5	Pass
				20	3.27	-26.579	-0.0374	-2.5 to 2.5	Pass
					3.85	-26.522	-0.0374	-2.5 to 2.5	Pass
					4.43	-27.065	-0.0381	-2.5 to 2.5	Pass
				-30	3.85	-25.735	-0.0362	-2.5 to 2.5	Pass
				-20	3.85	-24.505	-0.0345	-2.5 to 2.5	Pass
				-10	3.85	-24.576	-0.0346	-2.5 to 2.5	Pass
				0	3.85	-24.033	-0.0338	-2.5 to 2.5	Pass
				10	3.85	-22.888	-0.0322	-2.5 to 2.5	Pass
				30	3.85	-25.978	-0.0366	-2.5 to 2.5	Pass
				40	3.85	-25.520	-0.0359	-2.5 to 2.5	Pass
				50	3.85	-24.519	-0.0345	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-1.116	-0.0016	-2.5 to 2.5	Pass
					3.85	0.672	0.0009	-2.5 to 2.5	Pass
					4.43	2.918	0.0041	-2.5 to 2.5	Pass
				-30	3.85	4.649	0.0065	-2.5 to 2.5	Pass
				-20	3.85	6.838	0.0096	-2.5 to 2.5	Pass
				-10	3.85	8.440	0.0118	-2.5 to 2.5	Pass
				0	3.85	11.258	0.0158	-2.5 to 2.5	Pass
				10	3.85	14.391	0.0202	-2.5 to 2.5	Pass
				30	3.85	14.734	0.0207	-2.5 to 2.5	Pass
				40	3.85	15.821	0.0222	-2.5 to 2.5	Pass
				50	3.85	18.482	0.0259	-2.5 to 2.5	Pass

3.2 B17_10MHz

3.2.1 Test Result

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.27	11.802	0.0166	-2.5 to 2.5	Pass
					3.85	20.585	0.0290	-2.5 to 2.5	Pass
					4.43	16.108	0.0227	-2.5 to 2.5	Pass
				-30	3.85	9.370	0.0132	-2.5 to 2.5	Pass
				-20	3.85	4.921	0.0069	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.818	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-8.240	-0.0116	-2.5 to 2.5	Pass

				30	3.85	-11.659	-0.0164	-2.5 to 2.5	Pass
				40	3.85	-12.932	-0.0182	-2.5 to 2.5	Pass
				50	3.85	-15.550	-0.0219	-2.5 to 2.5	Pass
	710	50	0	20	3.27	8.569	0.0121	-2.5 to 2.5	Pass
					3.85	8.955	0.0126	-2.5 to 2.5	Pass
					4.43	6.080	0.0086	-2.5 to 2.5	Pass
				-30	3.85	2.131	0.0030	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-4.878	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-8.712	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-11.029	-0.0155	-2.5 to 2.5	Pass
				30	3.85	-12.531	-0.0176	-2.5 to 2.5	Pass
				40	3.85	-14.820	-0.0209	-2.5 to 2.5	Pass
				50	3.85	-16.809	-0.0237	-2.5 to 2.5	Pass
	711	50	0	20	3.27	3.290	0.0046	-2.5 to 2.5	Pass
					3.85	5.922	0.0083	-2.5 to 2.5	Pass
					4.43	2.275	0.0032	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.747	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-7.095	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-8.726	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-11.687	-0.0164	-2.5 to 2.5	Pass
				30	3.85	-14.648	-0.0206	-2.5 to 2.5	Pass
				40	3.85	-16.122	-0.0227	-2.5 to 2.5	Pass
				50	3.85	-17.695	-0.0249	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-16.909	-0.0238	-2.5 to 2.5	Pass
					3.85	-16.980	-0.0239	-2.5 to 2.5	Pass
					4.43	-14.334	-0.0202	-2.5 to 2.5	Pass
				-30	3.85	-11.702	-0.0165	-2.5 to 2.5	Pass
				-20	3.85	-10.071	-0.0142	-2.5 to 2.5	Pass
				-10	3.85	-9.012	-0.0127	-2.5 to 2.5	Pass
				0	3.85	-6.680	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-5.651	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-5.708	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-5.136	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-4.864	-0.0069	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-19.469	-0.0274	-2.5 to 2.5	Pass
					3.85	-19.398	-0.0273	-2.5 to 2.5	Pass
					4.43	-19.112	-0.0269	-2.5 to 2.5	Pass
				-30	3.85	-16.851	-0.0237	-2.5 to 2.5	Pass
				-20	3.85	-15.306	-0.0216	-2.5 to 2.5	Pass
				-10	3.85	-15.292	-0.0215	-2.5 to 2.5	Pass
				0	3.85	-14.648	-0.0206	-2.5 to 2.5	Pass
				10	3.85	-14.105	-0.0199	-2.5 to 2.5	Pass
				30	3.85	-11.830	-0.0167	-2.5 to 2.5	Pass
				40	3.85	-10.901	-0.0154	-2.5 to 2.5	Pass
				50	3.85	-12.102	-0.0170	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-17.881	-0.0251	-2.5 to 2.5	Pass
					3.85	-17.838	-0.0251	-2.5 to 2.5	Pass
					4.43	-15.807	-0.0222	-2.5 to 2.5	Pass
				-30	3.85	-13.003	-0.0183	-2.5 to 2.5	Pass
				-20	3.85	-12.574	-0.0177	-2.5 to 2.5	Pass
				-10	3.85	-11.644	-0.0164	-2.5 to 2.5	Pass
				0	3.85	-8.698	-0.0122	-2.5 to 2.5	Pass
				10	3.85	-7.253	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-5.751	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-4.163	-0.0059	-2.5 to 2.5	Pass

				50	3.85	-3.133	-0.0044	-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	3.27	-17.467	-0.0094	-2.5 to 2.5	Pass
					3.85	-34.060	-0.0184	-2.5 to 2.5	Pass
					4.43	-21.901	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-33.760	-0.0182	-2.5 to 2.5	Pass
				-20	3.85	-26.035	-0.0141	-2.5 to 2.5	Pass
				-10	3.85	-38.352	-0.0207	-2.5 to 2.5	Pass
				0	3.85	-11.430	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-24.347	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-35.234	-0.0190	-2.5 to 2.5	Pass
				40	3.85	-40.941	-0.0221	-2.5 to 2.5	Pass
				50	3.85	-53.673	-0.0290	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	-0.529	-0.0003	-2.5 to 2.5	Pass
					3.85	-15.650	-0.0083	-2.5 to 2.5	Pass
					4.43	-28.739	-0.0153	-2.5 to 2.5	Pass
				-30	3.85	-47.593	-0.0253	-2.5 to 2.5	Pass
				-20	3.85	-11.358	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-24.590	-0.0131	-2.5 to 2.5	Pass
				0	3.85	-36.821	-0.0196	-2.5 to 2.5	Pass
				10	3.85	-4.792	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-14.663	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-28.496	-0.0152	-2.5 to 2.5	Pass
				50	3.85	-38.981	-0.0207	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	-20.242	-0.0106	-2.5 to 2.5	Pass
					3.85	-20.914	-0.0110	-2.5 to 2.5	Pass
					4.43	-11.673	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-38.137	-0.0200	-2.5 to 2.5	Pass
				-20	3.85	-7.095	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-43.330	-0.0227	-2.5 to 2.5	Pass
				0	3.85	-36.950	-0.0194	-2.5 to 2.5	Pass
				10	3.85	-20.013	-0.0105	-2.5 to 2.5	Pass
				30	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				40	3.85	-21.844	-0.0114	-2.5 to 2.5	Pass
				50	3.85	-21.515	-0.0113	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	-39.182	-0.0212	-2.5 to 2.5	Pass
					3.85	-43.302	-0.0234	-2.5 to 2.5	Pass
					4.43	-19.369	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-3.505	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-30.341	-0.0164	-2.5 to 2.5	Pass
				-10	3.85	-19.770	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-44.546	-0.0241	-2.5 to 2.5	Pass
				10	3.85	-6.094	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-29.969	-0.0162	-2.5 to 2.5	Pass
				40	3.85	-13.175	-0.0071	-2.5 to 2.5	Pass

	1880	6	0	50	3.85	-34.060	-0.0184	-2.5 to 2.5	Pass
				20	3.27	-48.065	-0.0256	-2.5 to 2.5	Pass
					3.85	-4.478	-0.0024	-2.5 to 2.5	Pass
					4.43	-15.249	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-19.441	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-26.350	-0.0140	-2.5 to 2.5	Pass
				-10	3.85	-34.289	-0.0182	-2.5 to 2.5	Pass
				0	3.85	-36.292	-0.0193	-2.5 to 2.5	Pass
				10	3.85	-45.304	-0.0241	-2.5 to 2.5	Pass
				30	3.85	3.662	0.0019	-2.5 to 2.5	Pass
	1909.3	6	0	40	3.85	-4.463	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-8.740	-0.0046	-2.5 to 2.5	Pass
				20	3.27	-44.746	-0.0234	-2.5 to 2.5	Pass
					3.85	-32.616	-0.0171	-2.5 to 2.5	Pass
					4.43	-40.355	-0.0211	-2.5 to 2.5	Pass
				-30	3.85	-16.365	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-14.076	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	10.843	0.0057	-2.5 to 2.5	Pass
				0	3.85	-19.455	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-12.317	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-35.448	-0.0186	-2.5 to 2.5	Pass
				40	3.85	-4.721	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-30.041	-0.0157	-2.5 to 2.5	Pass

4.2 B2_3MHz

4.2.1 Test Result

Band: 2 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.27	-19.884	-0.0107	-2.5 to 2.5	Pass
					3.85	-42.715	-0.0231	-2.5 to 2.5	Pass
					4.43	-37.537	-0.0203	-2.5 to 2.5	Pass
				-30	3.85	-18.940	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-7.024	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-4.807	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-25.191	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-14.334	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-24.133	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-13.146	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-51.312	-0.0277	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-13.990	-0.0074	-2.5 to 2.5	Pass
					3.85	-25.206	-0.0134	-2.5 to 2.5	Pass
					4.43	-37.065	-0.0197	-2.5 to 2.5	Pass
				-30	3.85	-45.376	-0.0241	-2.5 to 2.5	Pass
				-20	3.85	-2.403	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-17.824	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-29.454	-0.0157	-2.5 to 2.5	Pass
				10	3.85	-41.285	-0.0220	-2.5 to 2.5	Pass
				30	3.85	-50.569	-0.0269	-2.5 to 2.5	Pass
				40	3.85	-26.908	-0.0143	-2.5 to 2.5	Pass
				50	3.85	-35.577	-0.0189	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	11.544	0.0060	-2.5 to 2.5	Pass
					3.85	10.958	0.0057	-2.5 to 2.5	Pass

					4.43	1.216	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-8.597	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-16.136	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-27.652	-0.0145	-2.5 to 2.5	Pass
				0	3.85	-38.881	-0.0204	-2.5 to 2.5	Pass
				10	3.85	17.838	0.0093	-2.5 to 2.5	Pass
				30	3.85	10.729	0.0056	-2.5 to 2.5	Pass
				40	3.85	3.748	0.0020	-2.5 to 2.5	Pass
				50	3.85	-4.120	-0.0022	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.27	-29.440	-0.0159	-2.5 to 2.5	Pass
					3.85	-23.818	-0.0129	-2.5 to 2.5	Pass
					4.43	6.123	0.0033	-2.5 to 2.5	Pass
				-30	3.85	-16.952	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-36.464	-0.0197	-2.5 to 2.5	Pass
				-10	3.85	-22.831	-0.0123	-2.5 to 2.5	Pass
				0	3.85	-41.556	-0.0224	-2.5 to 2.5	Pass
				10	3.85	-11.659	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-29.583	-0.0160	-2.5 to 2.5	Pass
				40	3.85	-46.077	-0.0249	-2.5 to 2.5	Pass
				50	3.85	-12.689	-0.0069	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-47.135	-0.0251	-2.5 to 2.5	Pass
					3.85	5.336	0.0028	-2.5 to 2.5	Pass
					4.43	0.300	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-5.293	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-9.198	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-16.193	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-20.041	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-23.289	-0.0124	-2.5 to 2.5	Pass
				30	3.85	-26.922	-0.0143	-2.5 to 2.5	Pass
				40	3.85	-35.849	-0.0191	-2.5 to 2.5	Pass
				50	3.85	-38.195	-0.0203	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	-7.167	-0.0038	-2.5 to 2.5	Pass
					3.85	-15.035	-0.0079	-2.5 to 2.5	Pass
					4.43	-16.036	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-17.638	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-22.373	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-25.034	-0.0131	-2.5 to 2.5	Pass
				0	3.85	-27.494	-0.0144	-2.5 to 2.5	Pass
				10	3.85	-33.903	-0.0178	-2.5 to 2.5	Pass
				30	3.85	-31.357	-0.0164	-2.5 to 2.5	Pass
				40	3.85	-39.039	-0.0205	-2.5 to 2.5	Pass
				50	3.85	-40.011	-0.0210	-2.5 to 2.5	Pass

4.3 B2_5MHz

4.3.1 Test Result

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.27	34.790	0.0188	-2.5 to 2.5	Pass
					3.85	38.209	0.0206	-2.5 to 2.5	Pass
					4.43	31.557	0.0170	-2.5 to 2.5	Pass
				-30	3.85	26.107	0.0141	-2.5 to 2.5	Pass
				-20	3.85	22.473	0.0121	-2.5 to 2.5	Pass

				-10	3.85	20.571	0.0111	-2.5 to 2.5	Pass				
				0	3.85	18.110	0.0098	-2.5 to 2.5	Pass				
				10	3.85	15.149	0.0082	-2.5 to 2.5	Pass				
				30	3.85	14.977	0.0081	-2.5 to 2.5	Pass				
				40	3.85	11.144	0.0060	-2.5 to 2.5	Pass				
				50	3.85	7.997	0.0043	-2.5 to 2.5	Pass				
	1880	25	0	20	3.27	20.442	0.0109	-2.5 to 2.5	Pass				
					3.85	19.598	0.0104	-2.5 to 2.5	Pass				
					4.43	18.525	0.0099	-2.5 to 2.5	Pass				
				-30	3.85	15.121	0.0080	-2.5 to 2.5	Pass				
				-20	3.85	16.150	0.0086	-2.5 to 2.5	Pass				
				-10	3.85	11.287	0.0060	-2.5 to 2.5	Pass				
				0	3.85	12.589	0.0067	-2.5 to 2.5	Pass				
				10	3.85	14.691	0.0078	-2.5 to 2.5	Pass				
				30	3.85	11.687	0.0062	-2.5 to 2.5	Pass				
				40	3.85	11.845	0.0063	-2.5 to 2.5	Pass				
				50	3.85	9.727	0.0052	-2.5 to 2.5	Pass				
				1907.5	25	0	20	3.27	18.497	0.0097	-2.5 to 2.5	Pass	
								3.85	19.641	0.0103	-2.5 to 2.5	Pass	
								4.43	17.323	0.0091	-2.5 to 2.5	Pass	
	-30	3.85	11.444				0.0060	-2.5 to 2.5	Pass				
	-20	3.85	12.703				0.0067	-2.5 to 2.5	Pass				
	-10	3.85	14.205				0.0074	-2.5 to 2.5	Pass				
	0	3.85	15.464				0.0081	-2.5 to 2.5	Pass				
	10	3.85	17.538				0.0092	-2.5 to 2.5	Pass				
	30	3.85	14.963				0.0078	-2.5 to 2.5	Pass				
	40	3.85	14.405				0.0076	-2.5 to 2.5	Pass				
	50	3.85	14.791				0.0078	-2.5 to 2.5	Pass				
	16QAM	1852.5	25				0	20	3.27	5.293	0.0029	-2.5 to 2.5	Pass
									3.85	0.243	0.0001	-2.5 to 2.5	Pass
4.43									4.091	0.0022	-2.5 to 2.5	Pass	
-30				3.85	4.048	0.0022		-2.5 to 2.5	Pass				
-20				3.85	4.206	0.0023		-2.5 to 2.5	Pass				
-10				3.85	2.847	0.0015		-2.5 to 2.5	Pass				
0				3.85	3.490	0.0019		-2.5 to 2.5	Pass				
10				3.85	3.548	0.0019		-2.5 to 2.5	Pass				
30				3.85	0.572	0.0003		-2.5 to 2.5	Pass				
40				3.85	1.016	0.0005		-2.5 to 2.5	Pass				
50				3.85	1.016	0.0005		-2.5 to 2.5	Pass				
1880				25	0	20		3.27	6.738	0.0036	-2.5 to 2.5	Pass	
		3.85	7.811				0.0042	-2.5 to 2.5	Pass				
		4.43	9.356				0.0050	-2.5 to 2.5	Pass				
		-30	3.85			10.142	0.0054	-2.5 to 2.5	Pass				
		-20	3.85			11.001	0.0059	-2.5 to 2.5	Pass				
		-10	3.85			13.547	0.0072	-2.5 to 2.5	Pass				
		0	3.85			13.404	0.0071	-2.5 to 2.5	Pass				
		10	3.85			12.889	0.0069	-2.5 to 2.5	Pass				
		30	3.85			12.374	0.0066	-2.5 to 2.5	Pass				
		40	3.85			12.674	0.0067	-2.5 to 2.5	Pass				
		50	3.85			11.401	0.0061	-2.5 to 2.5	Pass				
		1907.5	25			0	20	3.27	18.425	0.0097	-2.5 to 2.5	Pass	
								3.85	17.695	0.0093	-2.5 to 2.5	Pass	
								4.43	20.757	0.0109	-2.5 to 2.5	Pass	
-30				3.85	18.911		0.0099	-2.5 to 2.5	Pass				
-20				3.85	18.110		0.0095	-2.5 to 2.5	Pass				
-10				3.85	22.187		0.0116	-2.5 to 2.5	Pass				
0				3.85	22.988		0.0121	-2.5 to 2.5	Pass				

				10	3.85	21.172	0.0111	-2.5 to 2.5	Pass
				30	3.85	22.416	0.0118	-2.5 to 2.5	Pass
				40	3.85	20.642	0.0108	-2.5 to 2.5	Pass
				50	3.85	19.012	0.0100	-2.5 to 2.5	Pass

4.4 B2_10MHz

4.4.1 Test Result

Band: 2 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.27	31.543	0.0170	-2.5 to 2.5	Pass
					3.85	27.480	0.0148	-2.5 to 2.5	Pass
					4.43	20.013	0.0108	-2.5 to 2.5	Pass
				-30	3.85	18.053	0.0097	-2.5 to 2.5	Pass
				-20	3.85	17.552	0.0095	-2.5 to 2.5	Pass
				-10	3.85	18.539	0.0100	-2.5 to 2.5	Pass
				0	3.85	22.774	0.0123	-2.5 to 2.5	Pass
				10	3.85	21.100	0.0114	-2.5 to 2.5	Pass
				30	3.85	20.757	0.0112	-2.5 to 2.5	Pass
				40	3.85	19.641	0.0106	-2.5 to 2.5	Pass
				50	3.85	22.616	0.0122	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	18.568	0.0099	-2.5 to 2.5	Pass
					3.85	19.698	0.0105	-2.5 to 2.5	Pass
					4.43	19.484	0.0104	-2.5 to 2.5	Pass
				-30	3.85	15.850	0.0084	-2.5 to 2.5	Pass
				-20	3.85	18.597	0.0099	-2.5 to 2.5	Pass
				-10	3.85	17.781	0.0095	-2.5 to 2.5	Pass
				0	3.85	17.281	0.0092	-2.5 to 2.5	Pass
				10	3.85	18.239	0.0097	-2.5 to 2.5	Pass
				30	3.85	22.831	0.0121	-2.5 to 2.5	Pass
				40	3.85	23.489	0.0125	-2.5 to 2.5	Pass
				50	3.85	24.161	0.0129	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	5.207	0.0027	-2.5 to 2.5	Pass
					3.85	1.101	0.0006	-2.5 to 2.5	Pass
					4.43	-0.329	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.988	0.0010	-2.5 to 2.5	Pass
				-20	3.85	2.661	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0010	-2.5 to 2.5	Pass
				0	3.85	4.692	0.0025	-2.5 to 2.5	Pass
				10	3.85	9.098	0.0048	-2.5 to 2.5	Pass
				30	3.85	11.716	0.0062	-2.5 to 2.5	Pass
				40	3.85	11.458	0.0060	-2.5 to 2.5	Pass
				50	3.85	14.219	0.0075	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	21.729	0.0117	-2.5 to 2.5	Pass
					3.85	25.377	0.0137	-2.5 to 2.5	Pass
					4.43	28.610	0.0154	-2.5 to 2.5	Pass
				-30	3.85	28.152	0.0152	-2.5 to 2.5	Pass
				-20	3.85	25.234	0.0136	-2.5 to 2.5	Pass
				-10	3.85	22.273	0.0120	-2.5 to 2.5	Pass
				0	3.85	25.520	0.0138	-2.5 to 2.5	Pass
				10	3.85	24.605	0.0133	-2.5 to 2.5	Pass
				30	3.85	24.276	0.0131	-2.5 to 2.5	Pass
				40	3.85	24.204	0.0130	-2.5 to 2.5	Pass

	1880	50	0	50	3.85	24.691	0.0133	-2.5 to 2.5	Pass
				20	3.27	29.926	0.0159	-2.5 to 2.5	Pass
					3.85	30.341	0.0161	-2.5 to 2.5	Pass
					4.43	33.460	0.0178	-2.5 to 2.5	Pass
				-30	3.85	29.340	0.0156	-2.5 to 2.5	Pass
				-20	3.85	28.381	0.0151	-2.5 to 2.5	Pass
				-10	3.85	29.483	0.0157	-2.5 to 2.5	Pass
				0	3.85	27.494	0.0146	-2.5 to 2.5	Pass
				10	3.85	26.908	0.0143	-2.5 to 2.5	Pass
				30	3.85	28.796	0.0153	-2.5 to 2.5	Pass
	1905	50	0	40	3.85	25.206	0.0134	-2.5 to 2.5	Pass
				50	3.85	24.934	0.0133	-2.5 to 2.5	Pass
				20	3.27	17.610	0.0092	-2.5 to 2.5	Pass
					3.85	15.049	0.0079	-2.5 to 2.5	Pass
					4.43	15.464	0.0081	-2.5 to 2.5	Pass
				-30	3.85	14.834	0.0078	-2.5 to 2.5	Pass
				-20	3.85	15.106	0.0079	-2.5 to 2.5	Pass
				-10	3.85	17.667	0.0093	-2.5 to 2.5	Pass
				0	3.85	19.040	0.0100	-2.5 to 2.5	Pass
				10	3.85	14.033	0.0074	-2.5 to 2.5	Pass
				30	3.85	12.660	0.0066	-2.5 to 2.5	Pass
				40	3.85	11.530	0.0061	-2.5 to 2.5	Pass
				50	3.85	12.488	0.0066	-2.5 to 2.5	Pass

4.5 B2_15MHz

4.5.1 Test Result

Band: 2 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.27	34.432	0.0185	-2.5 to 2.5	Pass
					3.85	25.663	0.0138	-2.5 to 2.5	Pass
					4.43	18.511	0.0100	-2.5 to 2.5	Pass
				-30	3.85	18.454	0.0099	-2.5 to 2.5	Pass
				-20	3.85	22.545	0.0121	-2.5 to 2.5	Pass
				-10	3.85	22.502	0.0121	-2.5 to 2.5	Pass
				0	3.85	21.057	0.0113	-2.5 to 2.5	Pass
				10	3.85	23.060	0.0124	-2.5 to 2.5	Pass
				30	3.85	22.802	0.0123	-2.5 to 2.5	Pass
				40	3.85	26.908	0.0145	-2.5 to 2.5	Pass
	1880	75	0	50	3.85	26.307	0.0142	-2.5 to 2.5	Pass
				20	3.27	26.908	0.0143	-2.5 to 2.5	Pass
					3.85	23.561	0.0125	-2.5 to 2.5	Pass
					4.43	22.731	0.0121	-2.5 to 2.5	Pass
				-30	3.85	24.190	0.0129	-2.5 to 2.5	Pass
				-20	3.85	27.294	0.0145	-2.5 to 2.5	Pass
				-10	3.85	30.799	0.0164	-2.5 to 2.5	Pass
				0	3.85	31.199	0.0166	-2.5 to 2.5	Pass
				10	3.85	36.349	0.0193	-2.5 to 2.5	Pass
				30	3.85	35.348	0.0188	-2.5 to 2.5	Pass
	1902.5	75	0	40	3.85	37.937	0.0202	-2.5 to 2.5	Pass
				50	3.85	39.153	0.0208	-2.5 to 2.5	Pass
				20	3.27	19.526	0.0103	-2.5 to 2.5	Pass
					3.85	11.745	0.0062	-2.5 to 2.5	Pass

					4.43	12.617	0.0066	-2.5 to 2.5	Pass
				-30	3.85	9.527	0.0050	-2.5 to 2.5	Pass
				-20	3.85	11.873	0.0062	-2.5 to 2.5	Pass
				-10	3.85	15.850	0.0083	-2.5 to 2.5	Pass
				0	3.85	17.724	0.0093	-2.5 to 2.5	Pass
				10	3.85	21.715	0.0114	-2.5 to 2.5	Pass
				30	3.85	19.755	0.0104	-2.5 to 2.5	Pass
				40	3.85	20.356	0.0107	-2.5 to 2.5	Pass
				50	3.85	22.345	0.0117	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.27	24.705	0.0133	-2.5 to 2.5	Pass
					3.85	23.589	0.0127	-2.5 to 2.5	Pass
					4.43	28.324	0.0152	-2.5 to 2.5	Pass
				-30	3.85	27.881	0.0150	-2.5 to 2.5	Pass
				-20	3.85	25.377	0.0137	-2.5 to 2.5	Pass
				-10	3.85	23.861	0.0128	-2.5 to 2.5	Pass
				0	3.85	24.018	0.0129	-2.5 to 2.5	Pass
				10	3.85	25.363	0.0137	-2.5 to 2.5	Pass
				30	3.85	22.316	0.0120	-2.5 to 2.5	Pass
				40	3.85	22.244	0.0120	-2.5 to 2.5	Pass
				50	3.85	21.915	0.0118	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	41.885	0.0223	-2.5 to 2.5	Pass
					3.85	43.416	0.0231	-2.5 to 2.5	Pass
					4.43	46.463	0.0247	-2.5 to 2.5	Pass
				-30	3.85	48.881	0.0260	-2.5 to 2.5	Pass
				-20	3.85	48.022	0.0255	-2.5 to 2.5	Pass
				-10	3.85	46.864	0.0249	-2.5 to 2.5	Pass
				0	3.85	46.263	0.0246	-2.5 to 2.5	Pass
				10	3.85	49.639	0.0264	-2.5 to 2.5	Pass
				30	3.85	47.951	0.0255	-2.5 to 2.5	Pass
				40	3.85	46.449	0.0247	-2.5 to 2.5	Pass
				50	3.85	48.194	0.0256	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	25.392	0.0133	-2.5 to 2.5	Pass
					3.85	26.064	0.0137	-2.5 to 2.5	Pass
					4.43	26.793	0.0141	-2.5 to 2.5	Pass
				-30	3.85	26.894	0.0141	-2.5 to 2.5	Pass
				-20	3.85	25.320	0.0133	-2.5 to 2.5	Pass
				-10	3.85	23.818	0.0125	-2.5 to 2.5	Pass
				0	3.85	20.728	0.0109	-2.5 to 2.5	Pass
				10	3.85	21.229	0.0112	-2.5 to 2.5	Pass
				30	3.85	21.071	0.0111	-2.5 to 2.5	Pass
				40	3.85	21.229	0.0112	-2.5 to 2.5	Pass
				50	3.85	21.086	0.0111	-2.5 to 2.5	Pass

4.6 B2_20MHz

4.6.1 Test Result

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	16.179	0.0087	-2.5 to 2.5	Pass
					3.85	2.131	0.0011	-2.5 to 2.5	Pass
					4.43	-1.330	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.702	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.445	0.0008	-2.5 to 2.5	Pass

				-10	3.85	3.147	0.0017	-2.5 to 2.5	Pass	
				0	3.85	3.762	0.0020	-2.5 to 2.5	Pass	
				10	3.85	3.290	0.0018	-2.5 to 2.5	Pass	
				30	3.85	4.978	0.0027	-2.5 to 2.5	Pass	
				40	3.85	2.890	0.0016	-2.5 to 2.5	Pass	
				50	3.85	6.394	0.0034	-2.5 to 2.5	Pass	
	1880	100	0	20	3.27	25.949	0.0138	-2.5 to 2.5	Pass	
					3.85	21.572	0.0115	-2.5 to 2.5	Pass	
					4.43	21.772	0.0116	-2.5 to 2.5	Pass	
				-30	3.85	25.392	0.0135	-2.5 to 2.5	Pass	
				-20	3.85	-27.108	-0.0144	-2.5 to 2.5	Pass	
				-10	3.85	5.908	0.0031	-2.5 to 2.5	Pass	
				0	3.85	-23.475	-0.0125	-2.5 to 2.5	Pass	
				10	3.85	-12.603	-0.0067	-2.5 to 2.5	Pass	
				30	3.85	-33.560	-0.0179	-2.5 to 2.5	Pass	
				40	3.85	-23.103	-0.0123	-2.5 to 2.5	Pass	
				50	3.85	-10.872	-0.0058	-2.5 to 2.5	Pass	
				1900	100	0	20	3.27	21.687	0.0114
	3.85	18.196	0.0096					-2.5 to 2.5	Pass	
	4.43	13.175	0.0069					-2.5 to 2.5	Pass	
	-30	3.85	6.108				0.0032	-2.5 to 2.5	Pass	
	-20	3.85	1.402				0.0007	-2.5 to 2.5	Pass	
	-10	3.85	-3.304				-0.0017	-2.5 to 2.5	Pass	
	0	3.85	-9.971				-0.0052	-2.5 to 2.5	Pass	
	10	3.85	-13.590				-0.0072	-2.5 to 2.5	Pass	
	30	3.85	-17.037				-0.0090	-2.5 to 2.5	Pass	
	40	3.85	-19.469				-0.0102	-2.5 to 2.5	Pass	
	50	3.85	-21.830				-0.0115	-2.5 to 2.5	Pass	
	16QAM	1860	100				0	20	3.27	5.507
				3.85	6.824	0.0037			-2.5 to 2.5	Pass
4.43				5.322	0.0029	-2.5 to 2.5			Pass	
-30				3.85	2.260	0.0012		-2.5 to 2.5	Pass	
-20				3.85	-2.732	-0.0015		-2.5 to 2.5	Pass	
-10				3.85	-0.901	-0.0005		-2.5 to 2.5	Pass	
0				3.85	-2.432	-0.0013		-2.5 to 2.5	Pass	
10				3.85	-0.772	-0.0004		-2.5 to 2.5	Pass	
30				3.85	-5.894	-0.0032		-2.5 to 2.5	Pass	
40				3.85	-0.787	-0.0004		-2.5 to 2.5	Pass	
50				3.85	-2.332	-0.0013		-2.5 to 2.5	Pass	
1880				100	0	20		3.27	-27.895	-0.0148
		3.85	-3.834				-0.0020	-2.5 to 2.5	Pass	
		4.43	-9.513				-0.0051	-2.5 to 2.5	Pass	
		-30	3.85			-19.283	-0.0103	-2.5 to 2.5	Pass	
		-20	3.85			-28.009	-0.0149	-2.5 to 2.5	Pass	
		-10	3.85			-33.588	-0.0179	-2.5 to 2.5	Pass	
		0	3.85			-46.120	-0.0245	-2.5 to 2.5	Pass	
		10	3.85			-1.316	-0.0007	-2.5 to 2.5	Pass	
		30	3.85			-8.054	-0.0043	-2.5 to 2.5	Pass	
		40	3.85			-10.915	-0.0058	-2.5 to 2.5	Pass	
		50	3.85			-16.022	-0.0085	-2.5 to 2.5	Pass	
		1900	100			0	20	3.27	-26.336	-0.0139
3.85				-28.324	-0.0149			-2.5 to 2.5	Pass	
4.43				-31.915	-0.0168			-2.5 to 2.5	Pass	
-30				3.85	-29.669		-0.0156	-2.5 to 2.5	Pass	
-20				3.85	-30.527		-0.0161	-2.5 to 2.5	Pass	
-10				3.85	-30.842		-0.0162	-2.5 to 2.5	Pass	
0		3.85	-31.986	-0.0168	-2.5 to 2.5	Pass				

				10	3.85	-32.244	-0.0170	-2.5 to 2.5	Pass
				30	3.85	-32.043	-0.0169	-2.5 to 2.5	Pass
				40	3.85	-31.700	-0.0167	-2.5 to 2.5	Pass
				50	3.85	-35.834	-0.0189	-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	3.27	-6.795	-0.0040	-2.5 to 2.5	Pass
					3.85	-20.156	-0.0118	-2.5 to 2.5	Pass
					4.43	-22.388	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-7.010	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-19.655	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-12.817	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-13.633	-0.0080	-2.5 to 2.5	Pass
				10	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				30	3.85	-30.327	-0.0177	-2.5 to 2.5	Pass
				40	3.85	-19.155	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-4.892	-0.0029	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-8.225	-0.0047	-2.5 to 2.5	Pass
					3.85	-5.093	-0.0029	-2.5 to 2.5	Pass
					4.43	-23.704	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-35.563	-0.0205	-2.5 to 2.5	Pass
				-20	3.85	-43.488	-0.0251	-2.5 to 2.5	Pass
				-10	3.85	-23.990	-0.0138	-2.5 to 2.5	Pass
				0	3.85	-27.123	-0.0157	-2.5 to 2.5	Pass
				10	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				30	3.85	-27.466	-0.0159	-2.5 to 2.5	Pass
				40	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-27.394	-0.0158	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-18.897	-0.0108	-2.5 to 2.5	Pass
					3.85	-17.624	-0.0100	-2.5 to 2.5	Pass
					4.43	-31.672	-0.0181	-2.5 to 2.5	Pass
				-30	3.85	-2.189	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-3.977	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-14.005	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-27.094	-0.0154	-2.5 to 2.5	Pass
				10	3.85	-18.811	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-24.748	-0.0141	-2.5 to 2.5	Pass
				40	3.85	-37.851	-0.0216	-2.5 to 2.5	Pass
				50	3.85	-32.172	-0.0183	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-31.943	-0.0187	-2.5 to 2.5	Pass
					3.85	-9.913	-0.0058	-2.5 to 2.5	Pass
					4.43	-20.084	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-36.249	-0.0212	-2.5 to 2.5	Pass
				-20	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-8.082	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-18.826	-0.0110	-2.5 to 2.5	Pass

				10	3.85	-24.962	-0.0146	-2.5 to 2.5	Pass
				30	3.85	-34.018	-0.0199	-2.5 to 2.5	Pass
				40	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-14.863	-0.0087	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-16.966	-0.0098	-2.5 to 2.5	Pass
					3.85	-33.174	-0.0191	-2.5 to 2.5	Pass
					4.43	-13.690	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-35.248	-0.0203	-2.5 to 2.5	Pass
				-20	3.85	-16.365	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-29.025	-0.0168	-2.5 to 2.5	Pass
				0	3.85	-43.273	-0.0250	-2.5 to 2.5	Pass
				10	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-13.447	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-20.971	-0.0121	-2.5 to 2.5	Pass
				50	3.85	-25.334	-0.0146	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-41.084	-0.0234	-2.5 to 2.5	Pass
					3.85	-42.515	-0.0242	-2.5 to 2.5	Pass
					4.43	-27.752	-0.0158	-2.5 to 2.5	Pass
				-30	3.85	-17.138	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-10.657	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-2.704	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-31.328	-0.0179	-2.5 to 2.5	Pass
				10	3.85	-19.069	-0.0109	-2.5 to 2.5	Pass
				30	3.85	-29.984	-0.0171	-2.5 to 2.5	Pass
				40	3.85	-26.765	-0.0153	-2.5 to 2.5	Pass
				50	3.85	-8.039	-0.0046	-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	3.27	-7.653	-0.0045	-2.5 to 2.5	Pass
					3.85	-11.072	-0.0065	-2.5 to 2.5	Pass
					4.43	-25.449	-0.0149	-2.5 to 2.5	Pass
				-30	3.85	-35.205	-0.0206	-2.5 to 2.5	Pass
				-20	3.85	-39.053	-0.0228	-2.5 to 2.5	Pass
				-10	3.85	-18.811	-0.0110	-2.5 to 2.5	Pass
				0	3.85	-14.877	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-5.922	-0.0035	-2.5 to 2.5	Pass
				30	3.85	10.743	0.0063	-2.5 to 2.5	Pass
				40	3.85	-12.832	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-34.132	-0.0199	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	18.210	0.0105	-2.5 to 2.5	Pass
					3.85	17.867	0.0103	-2.5 to 2.5	Pass
					4.43	11.559	0.0067	-2.5 to 2.5	Pass
				-30	3.85	6.351	0.0037	-2.5 to 2.5	Pass
				-20	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-12.903	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-18.082	-0.0104	-2.5 to 2.5	Pass
				30	3.85	-24.261	-0.0140	-2.5 to 2.5	Pass
				40	3.85	-31.128	-0.0180	-2.5 to 2.5	Pass

	1753.5	15	0	50	3.85	-33.917	-0.0196	-2.5 to 2.5	Pass
				20	3.27	22.416	0.0128	-2.5 to 2.5	Pass
					3.85	17.638	0.0101	-2.5 to 2.5	Pass
					4.43	4.320	0.0025	-2.5 to 2.5	Pass
				-30	3.85	-7.753	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-23.217	-0.0132	-2.5 to 2.5	Pass
				-10	3.85	-34.933	-0.0199	-2.5 to 2.5	Pass
				0	3.85	-8.512	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-21.000	-0.0120	-2.5 to 2.5	Pass
				30	3.85	-29.469	-0.0168	-2.5 to 2.5	Pass
				40	3.85	-40.984	-0.0234	-2.5 to 2.5	Pass
				50	3.85	-14.019	-0.0080	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-20.256	-0.0118	-2.5 to 2.5	Pass
					3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
					4.43	-14.777	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-28.081	-0.0164	-2.5 to 2.5	Pass
				-20	3.85	-8.368	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-17.595	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-28.982	-0.0169	-2.5 to 2.5	Pass
				10	3.85	-36.278	-0.0212	-2.5 to 2.5	Pass
				30	3.85	2.704	0.0016	-2.5 to 2.5	Pass
				40	3.85	-6.452	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-14.334	-0.0084	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-1.688	-0.0010	-2.5 to 2.5	Pass
					3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
					4.43	-7.210	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-7.138	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-12.174	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-11.544	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-12.832	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-16.122	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-19.569	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-19.670	-0.0114	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-22.988	-0.0131	-2.5 to 2.5	Pass
					3.85	-30.799	-0.0176	-2.5 to 2.5	Pass
					4.43	-34.032	-0.0194	-2.5 to 2.5	Pass
				-30	3.85	-38.996	-0.0222	-2.5 to 2.5	Pass
				-20	3.85	-40.827	-0.0233	-2.5 to 2.5	Pass
				-10	3.85	-44.661	-0.0255	-2.5 to 2.5	Pass
				0	3.85	-45.533	-0.0260	-2.5 to 2.5	Pass
				10	3.85	-48.337	-0.0276	-2.5 to 2.5	Pass
				30	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-6.623	-0.0038	-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	3.27	-5.579	-0.0033	-2.5 to 2.5	Pass
					3.85	-7.081	-0.0041	-2.5 to 2.5	Pass

					4.43	-8.082	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-12.188	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-15.864	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-19.684	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-25.191	-0.0147	-2.5 to 2.5	Pass
				10	3.85	-29.826	-0.0174	-2.5 to 2.5	Pass
				30	3.85	-33.789	-0.0197	-2.5 to 2.5	Pass
				40	3.85	-38.080	-0.0222	-2.5 to 2.5	Pass
				50	3.85	-38.266	-0.0223	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	22.073	0.0127	-2.5 to 2.5	Pass
					3.85	24.419	0.0141	-2.5 to 2.5	Pass
					4.43	25.907	0.0150	-2.5 to 2.5	Pass
				-30	3.85	24.090	0.0139	-2.5 to 2.5	Pass
				-20	3.85	26.150	0.0151	-2.5 to 2.5	Pass
				-10	3.85	26.121	0.0151	-2.5 to 2.5	Pass
				0	3.85	23.975	0.0138	-2.5 to 2.5	Pass
				10	3.85	24.033	0.0139	-2.5 to 2.5	Pass
				30	3.85	23.432	0.0135	-2.5 to 2.5	Pass
				40	3.85	20.156	0.0116	-2.5 to 2.5	Pass
				50	3.85	19.784	0.0114	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	5.164	0.0029	-2.5 to 2.5	Pass
					3.85	4.020	0.0023	-2.5 to 2.5	Pass
					4.43	-3.433	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-13.232	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-20.885	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-28.481	-0.0163	-2.5 to 2.5	Pass
				0	3.85	-37.694	-0.0215	-2.5 to 2.5	Pass
				10	3.85	-45.018	-0.0257	-2.5 to 2.5	Pass
				30	3.85	-14.291	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-18.897	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-24.376	-0.0139	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-14.577	-0.0085	-2.5 to 2.5	Pass
					3.85	2.332	0.0014	-2.5 to 2.5	Pass
					4.43	4.306	0.0025	-2.5 to 2.5	Pass
				-30	3.85	2.160	0.0013	-2.5 to 2.5	Pass
				-20	3.85	5.894	0.0034	-2.5 to 2.5	Pass
				-10	3.85	5.779	0.0034	-2.5 to 2.5	Pass
				0	3.85	4.120	0.0024	-2.5 to 2.5	Pass
				10	3.85	3.018	0.0018	-2.5 to 2.5	Pass
				30	3.85	3.490	0.0020	-2.5 to 2.5	Pass
				40	3.85	4.706	0.0027	-2.5 to 2.5	Pass
				50	3.85	3.562	0.0021	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	19.298	0.0111	-2.5 to 2.5	Pass
					3.85	17.252	0.0100	-2.5 to 2.5	Pass
					4.43	20.657	0.0119	-2.5 to 2.5	Pass
				-30	3.85	21.687	0.0125	-2.5 to 2.5	Pass
				-20	3.85	25.692	0.0148	-2.5 to 2.5	Pass
				-10	3.85	22.717	0.0131	-2.5 to 2.5	Pass
				0	3.85	25.635	0.0148	-2.5 to 2.5	Pass
				10	3.85	25.935	0.0150	-2.5 to 2.5	Pass
				30	3.85	25.949	0.0150	-2.5 to 2.5	Pass
				40	3.85	29.211	0.0169	-2.5 to 2.5	Pass
				50	3.85	28.825	0.0166	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-31.729	-0.0181	-2.5 to 2.5	Pass
					3.85	-35.806	-0.0204	-2.5 to 2.5	Pass
					4.43	-35.477	-0.0202	-2.5 to 2.5	Pass
				-30	3.85	-36.263	-0.0207	-2.5 to 2.5	Pass

				-20	3.85	-40.011	-0.0228	-2.5 to 2.5	Pass
				-10	3.85	-42.672	-0.0243	-2.5 to 2.5	Pass
				0	3.85	-43.702	-0.0249	-2.5 to 2.5	Pass
				10	3.85	-45.877	-0.0262	-2.5 to 2.5	Pass
				30	3.85	-48.108	-0.0275	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.917	-0.0011	-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	3.27	12.403	0.0072	-2.5 to 2.5	Pass
					3.85	1.159	0.0007	-2.5 to 2.5	Pass
					4.43	-2.418	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-5.922	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-8.454	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-11.988	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-16.308	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-19.155	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-21.429	-0.0125	-2.5 to 2.5	Pass
				40	3.85	-21.057	-0.0123	-2.5 to 2.5	Pass
				50	3.85	-26.636	-0.0155	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	6.251	0.0036	-2.5 to 2.5	Pass
					3.85	10.843	0.0063	-2.5 to 2.5	Pass
					4.43	11.373	0.0066	-2.5 to 2.5	Pass
				-30	3.85	10.729	0.0062	-2.5 to 2.5	Pass
				-20	3.85	11.430	0.0066	-2.5 to 2.5	Pass
				-10	3.85	9.241	0.0053	-2.5 to 2.5	Pass
				0	3.85	12.732	0.0073	-2.5 to 2.5	Pass
				10	3.85	12.388	0.0072	-2.5 to 2.5	Pass
				30	3.85	13.118	0.0076	-2.5 to 2.5	Pass
				40	3.85	14.205	0.0082	-2.5 to 2.5	Pass
				50	3.85	13.418	0.0077	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	16.937	0.0097	-2.5 to 2.5	Pass
					3.85	-10.929	-0.0062	-2.5 to 2.5	Pass
					4.43	-18.954	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-18.840	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	3.848	0.0022	-2.5 to 2.5	Pass
				-10	3.85	-22.602	-0.0129	-2.5 to 2.5	Pass
				0	3.85	-40.870	-0.0234	-2.5 to 2.5	Pass
				10	3.85	-12.603	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-22.445	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-36.793	-0.0210	-2.5 to 2.5	Pass
				50	3.85	-15.678	-0.0090	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-29.068	-0.0169	-2.5 to 2.5	Pass
					3.85	-27.223	-0.0159	-2.5 to 2.5	Pass
					4.43	-27.680	-0.0161	-2.5 to 2.5	Pass
				-30	3.85	-23.503	-0.0137	-2.5 to 2.5	Pass
				-20	3.85	-23.546	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-26.836	-0.0156	-2.5 to 2.5	Pass
				0	3.85	-26.593	-0.0155	-2.5 to 2.5	Pass

				10	3.85	-24.433	-0.0142	-2.5 to 2.5	Pass
				30	3.85	-24.691	-0.0144	-2.5 to 2.5	Pass
				40	3.85	-23.761	-0.0139	-2.5 to 2.5	Pass
				50	3.85	-23.761	-0.0139	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	12.932	0.0075	-2.5 to 2.5	Pass
					3.85	17.395	0.0100	-2.5 to 2.5	Pass
					4.43	16.809	0.0097	-2.5 to 2.5	Pass
				-30	3.85	20.528	0.0118	-2.5 to 2.5	Pass
				-20	3.85	24.390	0.0141	-2.5 to 2.5	Pass
				-10	3.85	26.093	0.0151	-2.5 to 2.5	Pass
				0	3.85	26.464	0.0153	-2.5 to 2.5	Pass
				10	3.85	32.358	0.0187	-2.5 to 2.5	Pass
				30	3.85	32.873	0.0190	-2.5 to 2.5	Pass
				40	3.85	36.907	0.0213	-2.5 to 2.5	Pass
				50	3.85	37.665	0.0217	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-25.535	-0.0146	-2.5 to 2.5	Pass
					3.85	-31.571	-0.0180	-2.5 to 2.5	Pass
					4.43	-38.338	-0.0219	-2.5 to 2.5	Pass
				-30	3.85	-43.674	-0.0250	-2.5 to 2.5	Pass
				-20	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				0	3.85	-5.264	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-8.025	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-12.288	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-16.251	-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	3.27	8.969	0.0052	-2.5 to 2.5	Pass
					3.85	8.855	0.0052	-2.5 to 2.5	Pass
					4.43	2.460	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-4.578	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-8.712	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-16.379	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-21.987	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-25.434	-0.0148	-2.5 to 2.5	Pass
				30	3.85	-27.208	-0.0158	-2.5 to 2.5	Pass
				40	3.85	-34.332	-0.0200	-2.5 to 2.5	Pass
	1732.5	75	0	50	3.85	-20.099	-0.0117	-2.5 to 2.5	Pass
				20	3.27	18.039	0.0104	-2.5 to 2.5	Pass
					3.85	19.226	0.0111	-2.5 to 2.5	Pass
					4.43	19.498	0.0113	-2.5 to 2.5	Pass
				-30	3.85	18.625	0.0108	-2.5 to 2.5	Pass
				-20	3.85	20.857	0.0120	-2.5 to 2.5	Pass
				-10	3.85	21.958	0.0127	-2.5 to 2.5	Pass
				0	3.85	22.202	0.0128	-2.5 to 2.5	Pass
				10	3.85	22.845	0.0132	-2.5 to 2.5	Pass
				30	3.85	19.026	0.0110	-2.5 to 2.5	Pass
				40	3.85	19.212	0.0111	-2.5 to 2.5	Pass

	1747.5	75	0	50	3.85	20.385	0.0118	-2.5 to 2.5	Pass
				20	3.27	15.392	0.0088	-2.5 to 2.5	Pass
					3.85	10.114	0.0058	-2.5 to 2.5	Pass
					4.43	2.246	0.0013	-2.5 to 2.5	Pass
				-30	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-9.155	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-15.278	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-17.252	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-20.027	-0.0115	-2.5 to 2.5	Pass
				30	3.85	-23.403	-0.0134	-2.5 to 2.5	Pass
				40	3.85	-26.464	-0.0151	-2.5 to 2.5	Pass
				50	3.85	-27.437	-0.0157	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-0.143	-0.0001	-2.5 to 2.5	Pass
					3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
					4.43	1.359	0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				30	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				40	3.85	2.503	0.0015	-2.5 to 2.5	Pass
				50	3.85	2.160	0.0013	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	19.455	0.0112	-2.5 to 2.5	Pass
					3.85	22.273	0.0129	-2.5 to 2.5	Pass
					4.43	27.881	0.0161	-2.5 to 2.5	Pass
				-30	3.85	30.456	0.0176	-2.5 to 2.5	Pass
				-20	3.85	32.816	0.0189	-2.5 to 2.5	Pass
				-10	3.85	33.975	0.0196	-2.5 to 2.5	Pass
				0	3.85	39.024	0.0225	-2.5 to 2.5	Pass
				10	3.85	4.106	0.0024	-2.5 to 2.5	Pass
				30	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-34.146	-0.0195	-2.5 to 2.5	Pass
					3.85	-33.460	-0.0191	-2.5 to 2.5	Pass
					4.43	-32.229	-0.0184	-2.5 to 2.5	Pass
				-30	3.85	-32.458	-0.0186	-2.5 to 2.5	Pass
				-20	3.85	-30.012	-0.0172	-2.5 to 2.5	Pass
				-10	3.85	-31.872	-0.0182	-2.5 to 2.5	Pass
				0	3.85	-29.783	-0.0170	-2.5 to 2.5	Pass
				10	3.85	-30.241	-0.0173	-2.5 to 2.5	Pass
				30	3.85	-27.952	-0.0160	-2.5 to 2.5	Pass
				40	3.85	-27.537	-0.0158	-2.5 to 2.5	Pass
				50	3.85	-28.152	-0.0161	-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	3.27	29.111	0.0169	-2.5 to 2.5	Pass
					3.85	23.675	0.0138	-2.5 to 2.5	Pass

					4.43	16.208	0.0094	-2.5 to 2.5	Pass
				-30	3.85	10.657	0.0062	-2.5 to 2.5	Pass
				-20	3.85	3.462	0.0020	-2.5 to 2.5	Pass
				-10	3.85	2.804	0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.920	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-10.414	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-12.088	-0.0070	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	4.263	0.0025	-2.5 to 2.5	Pass
					3.85	7.024	0.0041	-2.5 to 2.5	Pass
					4.43	7.367	0.0043	-2.5 to 2.5	Pass
				-30	3.85	6.824	0.0039	-2.5 to 2.5	Pass
				-20	3.85	6.924	0.0040	-2.5 to 2.5	Pass
				-10	3.85	6.981	0.0040	-2.5 to 2.5	Pass
				0	3.85	5.951	0.0034	-2.5 to 2.5	Pass
				10	3.85	3.290	0.0019	-2.5 to 2.5	Pass
				30	3.85	2.546	0.0015	-2.5 to 2.5	Pass
				40	3.85	4.621	0.0027	-2.5 to 2.5	Pass
				50	3.85	5.279	0.0030	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	13.318	0.0076	-2.5 to 2.5	Pass
					3.85	6.795	0.0039	-2.5 to 2.5	Pass
					4.43	0.186	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-8.411	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-12.674	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-14.076	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-18.125	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-19.469	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-21.443	-0.0123	-2.5 to 2.5	Pass
				40	3.85	-25.678	-0.0147	-2.5 to 2.5	Pass
				50	3.85	-27.795	-0.0159	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-15.507	-0.0090	-2.5 to 2.5	Pass
					3.85	-13.275	-0.0077	-2.5 to 2.5	Pass
					4.43	-12.174	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-8.326	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-7.939	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				50	3.85	1.173	0.0007	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	7.267	0.0042	-2.5 to 2.5	Pass
					3.85	9.885	0.0057	-2.5 to 2.5	Pass
					4.43	12.617	0.0073	-2.5 to 2.5	Pass
				-30	3.85	12.503	0.0072	-2.5 to 2.5	Pass
				-20	3.85	16.694	0.0096	-2.5 to 2.5	Pass
				-10	3.85	18.682	0.0108	-2.5 to 2.5	Pass
				0	3.85	22.974	0.0133	-2.5 to 2.5	Pass
				10	3.85	23.875	0.0138	-2.5 to 2.5	Pass
				30	3.85	25.764	0.0149	-2.5 to 2.5	Pass
				40	3.85	28.124	0.0162	-2.5 to 2.5	Pass
				50	3.85	34.103	0.0197	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-29.283	-0.0168	-2.5 to 2.5	Pass
					3.85	-26.279	-0.0151	-2.5 to 2.5	Pass
					4.43	-24.719	-0.0142	-2.5 to 2.5	Pass
				-30	3.85	-23.375	-0.0134	-2.5 to 2.5	Pass

				-20	3.85	-20.957	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-21.286	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-18.339	-0.0105	-2.5 to 2.5	Pass
				10	3.85	-18.139	-0.0104	-2.5 to 2.5	Pass
				30	3.85	-16.708	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-20.113	-0.0115	-2.5 to 2.5	Pass
				50	3.85	-13.919	-0.0080	-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	3.27	-3.648	-0.0044	-2.5 to 2.5	Pass
					3.85	-38.724	-0.0470	-2.5 to 2.5	Pass
					4.43	-32.830	-0.0398	-2.5 to 2.5	Pass
				-30	3.85	-31.028	-0.0376	-2.5 to 2.5	Pass
				-20	3.85	-19.369	-0.0235	-2.5 to 2.5	Pass
				-10	3.85	-3.605	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-29.440	-0.0357	-2.5 to 2.5	Pass
				10	3.85	-2.775	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-23.260	-0.0282	-2.5 to 2.5	Pass
				40	3.85	-41.499	-0.0503	-2.5 to 2.5	Pass
				50	3.85	-6.380	-0.0077	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	7.238	0.0087	-2.5 to 2.5	Pass
					3.85	-31.028	-0.0371	-2.5 to 2.5	Pass
					4.43	-29.440	-0.0352	-2.5 to 2.5	Pass
				-30	3.85	-31.314	-0.0374	-2.5 to 2.5	Pass
				-20	3.85	-20.242	-0.0242	-2.5 to 2.5	Pass
				-10	3.85	-5.608	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-36.922	-0.0441	-2.5 to 2.5	Pass
				10	3.85	-14.377	-0.0172	-2.5 to 2.5	Pass
				30	3.85	-39.425	-0.0471	-2.5 to 2.5	Pass
				40	3.85	-22.330	-0.0267	-2.5 to 2.5	Pass
				50	3.85	-41.356	-0.0494	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-2.675	-0.0032	-2.5 to 2.5	Pass
					3.85	-29.268	-0.0345	-2.5 to 2.5	Pass
					4.43	-14.434	-0.0170	-2.5 to 2.5	Pass
				-30	3.85	-12.832	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-33.545	-0.0395	-2.5 to 2.5	Pass
				-10	3.85	-35.892	-0.0423	-2.5 to 2.5	Pass
				0	3.85	-26.050	-0.0307	-2.5 to 2.5	Pass
				10	3.85	-14.319	-0.0169	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-35.505	-0.0419	-2.5 to 2.5	Pass
				50	3.85	-16.837	-0.0198	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-21.930	-0.0266	-2.5 to 2.5	Pass
					3.85	-35.005	-0.0424	-2.5 to 2.5	Pass
					4.43	-43.831	-0.0531	-2.5 to 2.5	Pass
				-30	3.85	0.215	0.0003	-2.5 to 2.5	Pass

				-20	3.85	-7.081	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-11.902	-0.0144	-2.5 to 2.5	Pass
				0	3.85	-17.323	-0.0210	-2.5 to 2.5	Pass
				10	3.85	-22.674	-0.0275	-2.5 to 2.5	Pass
				30	3.85	-26.622	-0.0323	-2.5 to 2.5	Pass
				40	3.85	-30.670	-0.0372	-2.5 to 2.5	Pass
				50	3.85	-35.276	-0.0428	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-12.803	-0.0153	-2.5 to 2.5	Pass
					3.85	-29.469	-0.0352	-2.5 to 2.5	Pass
					4.43	-42.615	-0.0509	-2.5 to 2.5	Pass
				-30	3.85	-7.896	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-16.923	-0.0202	-2.5 to 2.5	Pass
				-10	3.85	-25.635	-0.0306	-2.5 to 2.5	Pass
				0	3.85	-33.875	-0.0405	-2.5 to 2.5	Pass
				10	3.85	-40.812	-0.0488	-2.5 to 2.5	Pass
				30	3.85	1.416	0.0017	-2.5 to 2.5	Pass
				40	3.85	-6.623	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-11.773	-0.0141	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-45.433	-0.0536	-2.5 to 2.5	Pass
					3.85	-20.685	-0.0244	-2.5 to 2.5	Pass
					4.43	-43.244	-0.0510	-2.5 to 2.5	Pass
				-30	3.85	-18.797	-0.0222	-2.5 to 2.5	Pass
				-20	3.85	-37.951	-0.0447	-2.5 to 2.5	Pass
				-10	3.85	-6.137	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-20.342	-0.0240	-2.5 to 2.5	Pass
				10	3.85	-36.564	-0.0431	-2.5 to 2.5	Pass
				30	3.85	-1.988	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-14.992	-0.0177	-2.5 to 2.5	Pass
				50	3.85	-28.539	-0.0336	-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	3.27	-3.490	-0.0042	-2.5 to 2.5	Pass
					3.85	-30.856	-0.0374	-2.5 to 2.5	Pass
					4.43	-22.345	-0.0271	-2.5 to 2.5	Pass
				-30	3.85	-12.860	-0.0156	-2.5 to 2.5	Pass
				-20	3.85	-36.936	-0.0447	-2.5 to 2.5	Pass
				-10	3.85	-25.392	-0.0308	-2.5 to 2.5	Pass
				0	3.85	-9.313	-0.0113	-2.5 to 2.5	Pass
				10	3.85	-31.643	-0.0383	-2.5 to 2.5	Pass
				30	3.85	-5.565	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-28.267	-0.0342	-2.5 to 2.5	Pass
				50	3.85	-33.288	-0.0403	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	1.087	0.0013	-2.5 to 2.5	Pass
					3.85	0.515	0.0006	-2.5 to 2.5	Pass
					4.43	-8.054	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-17.323	-0.0207	-2.5 to 2.5	Pass
				-20	3.85	-26.050	-0.0311	-2.5 to 2.5	Pass
				-10	3.85	-34.289	-0.0410	-2.5 to 2.5	Pass
				0	3.85	-41.900	-0.0501	-2.5 to 2.5	Pass

	847.5	15	0	10	3.85	0.672	0.0008	-2.5 to 2.5	Pass
				30	3.85	-5.507	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-12.531	-0.0150	-2.5 to 2.5	Pass
				50	3.85	-19.226	-0.0230	-2.5 to 2.5	Pass
				20	3.27	4.649	0.0055	-2.5 to 2.5	Pass
					3.85	5.150	0.0061	-2.5 to 2.5	Pass
					4.43	-0.744	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-5.808	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-10.815	-0.0128	-2.5 to 2.5	Pass
				-10	3.85	-12.031	-0.0142	-2.5 to 2.5	Pass
				0	3.85	-16.150	-0.0191	-2.5 to 2.5	Pass
				10	3.85	-18.969	-0.0224	-2.5 to 2.5	Pass
				30	3.85	-24.176	-0.0285	-2.5 to 2.5	Pass
				40	3.85	-28.939	-0.0341	-2.5 to 2.5	Pass
				50	3.85	-30.699	-0.0362	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-25.077	-0.0304	-2.5 to 2.5	Pass
					3.85	-40.512	-0.0491	-2.5 to 2.5	Pass
					4.43	-2.432	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-10.185	-0.0123	-2.5 to 2.5	Pass
				-20	3.85	-18.668	-0.0226	-2.5 to 2.5	Pass
				-10	3.85	-25.864	-0.0313	-2.5 to 2.5	Pass
				0	3.85	-31.843	-0.0386	-2.5 to 2.5	Pass
				10	3.85	-39.339	-0.0477	-2.5 to 2.5	Pass
				30	3.85	-43.716	-0.0530	-2.5 to 2.5	Pass
				40	3.85	-49.767	-0.0603	-2.5 to 2.5	Pass
	836.5	15	0	50	3.85	-4.177	-0.0051	-2.5 to 2.5	Pass
				20	3.27	-25.835	-0.0309	-2.5 to 2.5	Pass
					3.85	-28.524	-0.0341	-2.5 to 2.5	Pass
					4.43	-32.129	-0.0384	-2.5 to 2.5	Pass
				-30	3.85	-34.933	-0.0418	-2.5 to 2.5	Pass
				-20	3.85	-38.109	-0.0456	-2.5 to 2.5	Pass
				-10	3.85	-39.196	-0.0469	-2.5 to 2.5	Pass
				0	3.85	-41.971	-0.0502	-2.5 to 2.5	Pass
				10	3.85	-43.645	-0.0522	-2.5 to 2.5	Pass
				30	3.85	-44.417	-0.0531	-2.5 to 2.5	Pass
	847.5	15	0	40	3.85	-46.463	-0.0555	-2.5 to 2.5	Pass
				50	3.85	-25.921	-0.0310	-2.5 to 2.5	Pass
				20	3.27	-32.072	-0.0378	-2.5 to 2.5	Pass
					3.85	-34.490	-0.0407	-2.5 to 2.5	Pass
					4.43	-32.816	-0.0387	-2.5 to 2.5	Pass
				-30	3.85	-32.101	-0.0379	-2.5 to 2.5	Pass
				-20	3.85	-30.041	-0.0354	-2.5 to 2.5	Pass
				-10	3.85	-29.840	-0.0352	-2.5 to 2.5	Pass
				0	3.85	-28.009	-0.0330	-2.5 to 2.5	Pass
				10	3.85	-28.682	-0.0338	-2.5 to 2.5	Pass
				30	3.85	-27.308	-0.0322	-2.5 to 2.5	Pass
				40	3.85	-27.094	-0.0320	-2.5 to 2.5	Pass
				50	3.85	-25.921	-0.0306	-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	3.27	15.736	0.0190	-2.5 to 2.5	Pass
					3.85	24.633	0.0298	-2.5 to 2.5	Pass
					4.43	21.787	0.0264	-2.5 to 2.5	Pass
				-30	3.85	14.992	0.0181	-2.5 to 2.5	Pass
				-20	3.85	4.778	0.0058	-2.5 to 2.5	Pass
				-10	3.85	1.287	0.0016	-2.5 to 2.5	Pass
				0	3.85	-6.680	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-10.571	-0.0128	-2.5 to 2.5	Pass
				30	3.85	-17.295	-0.0209	-2.5 to 2.5	Pass
				40	3.85	-21.057	-0.0255	-2.5 to 2.5	Pass
				50	3.85	-23.446	-0.0284	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	11.044	0.0132	-2.5 to 2.5	Pass
					3.85	15.121	0.0181	-2.5 to 2.5	Pass
					4.43	10.142	0.0121	-2.5 to 2.5	Pass
				-30	3.85	6.251	0.0075	-2.5 to 2.5	Pass
				-20	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-5.994	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-10.428	-0.0125	-2.5 to 2.5	Pass
				10	3.85	-14.348	-0.0172	-2.5 to 2.5	Pass
				30	3.85	-16.422	-0.0196	-2.5 to 2.5	Pass
				40	3.85	-19.012	-0.0227	-2.5 to 2.5	Pass
				50	3.85	-22.917	-0.0274	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	9.470	0.0112	-2.5 to 2.5	Pass
					3.85	11.144	0.0132	-2.5 to 2.5	Pass
					4.43	9.656	0.0114	-2.5 to 2.5	Pass
				-30	3.85	6.552	0.0077	-2.5 to 2.5	Pass
				-20	3.85	4.334	0.0051	-2.5 to 2.5	Pass
				-10	3.85	2.360	0.0028	-2.5 to 2.5	Pass
				0	3.85	1.817	0.0021	-2.5 to 2.5	Pass
				10	3.85	-1.616	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-2.575	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-3.076	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-5.679	-0.0067	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-28.524	-0.0345	-2.5 to 2.5	Pass
					3.85	-29.783	-0.0360	-2.5 to 2.5	Pass
					4.43	-29.583	-0.0358	-2.5 to 2.5	Pass
				-30	3.85	-29.526	-0.0357	-2.5 to 2.5	Pass
				-20	3.85	-26.150	-0.0316	-2.5 to 2.5	Pass
				-10	3.85	-27.537	-0.0333	-2.5 to 2.5	Pass
				0	3.85	-26.579	-0.0322	-2.5 to 2.5	Pass
				10	3.85	-26.679	-0.0323	-2.5 to 2.5	Pass
				30	3.85	-27.709	-0.0335	-2.5 to 2.5	Pass
				40	3.85	-26.450	-0.0320	-2.5 to 2.5	Pass
				50	3.85	-26.793	-0.0324	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-25.806	-0.0308	-2.5 to 2.5	Pass
					3.85	-27.795	-0.0332	-2.5 to 2.5	Pass
					4.43	-28.195	-0.0337	-2.5 to 2.5	Pass
				-30	3.85	-27.480	-0.0329	-2.5 to 2.5	Pass
				-20	3.85	-27.981	-0.0335	-2.5 to 2.5	Pass
				-10	3.85	-27.523	-0.0329	-2.5 to 2.5	Pass
				0	3.85	-26.636	-0.0318	-2.5 to 2.5	Pass
				10	3.85	-26.951	-0.0322	-2.5 to 2.5	Pass
				30	3.85	-27.022	-0.0323	-2.5 to 2.5	Pass
				40	3.85	-28.439	-0.0340	-2.5 to 2.5	Pass
				50	3.85	-27.809	-0.0332	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-7.925	-0.0094	-2.5 to 2.5	Pass

					3.85	-7.310	-0.0086	-2.5 to 2.5	Pass
					4.43	-3.419	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.974	0.0023	-2.5 to 2.5	Pass
				-10	3.85	4.063	0.0048	-2.5 to 2.5	Pass
				0	3.85	6.909	0.0082	-2.5 to 2.5	Pass
				10	3.85	9.584	0.0113	-2.5 to 2.5	Pass
				30	3.85	10.185	0.0120	-2.5 to 2.5	Pass
				40	3.85	11.544	0.0136	-2.5 to 2.5	Pass
				50	3.85	12.174	0.0144	-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	3.27	16.737	0.0202	-2.5 to 2.5	Pass
					3.85	28.310	0.0341	-2.5 to 2.5	Pass
					4.43	24.662	0.0297	-2.5 to 2.5	Pass
				-30	3.85	18.139	0.0219	-2.5 to 2.5	Pass
				-20	3.85	11.787	0.0142	-2.5 to 2.5	Pass
				-10	3.85	6.924	0.0084	-2.5 to 2.5	Pass
				0	3.85	1.974	0.0024	-2.5 to 2.5	Pass
				10	3.85	-2.360	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-5.536	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-9.584	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-11.659	-0.0141	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	4.635	0.0055	-2.5 to 2.5	Pass
					3.85	6.781	0.0081	-2.5 to 2.5	Pass
					4.43	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-8.211	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-13.447	-0.0161	-2.5 to 2.5	Pass
				-10	3.85	-18.883	-0.0226	-2.5 to 2.5	Pass
				0	3.85	-23.561	-0.0282	-2.5 to 2.5	Pass
				10	3.85	-29.540	-0.0353	-2.5 to 2.5	Pass
				30	3.85	-33.231	-0.0397	-2.5 to 2.5	Pass
				40	3.85	-35.534	-0.0425	-2.5 to 2.5	Pass
				50	3.85	-39.740	-0.0475	-2.5 to 2.5	Pass
	844	50	0	20	3.27	8.283	0.0098	-2.5 to 2.5	Pass
					3.85	7.467	0.0088	-2.5 to 2.5	Pass
					4.43	5.836	0.0069	-2.5 to 2.5	Pass
				-30	3.85	2.961	0.0035	-2.5 to 2.5	Pass
				-20	3.85	0.744	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.419	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-4.721	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-6.680	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-5.951	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-7.496	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-9.584	-0.0114	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-15.578	-0.0188	-2.5 to 2.5	Pass
					3.85	-15.335	-0.0185	-2.5 to 2.5	Pass
					4.43	-12.159	-0.0147	-2.5 to 2.5	Pass
				-30	3.85	-8.998	-0.0109	-2.5 to 2.5	Pass

				-20	3.85	-2.861	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-2.046	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.216	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	3.85	1.216	0.0015	-2.5 to 2.5	Pass
				40	3.85	1.903	0.0023	-2.5 to 2.5	Pass
				50	3.85	2.761	0.0033	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-44.103	-0.0527	-2.5 to 2.5	Pass
					3.85	-44.003	-0.0526	-2.5 to 2.5	Pass
					4.43	-42.701	-0.0510	-2.5 to 2.5	Pass
				-30	3.85	-41.428	-0.0495	-2.5 to 2.5	Pass
				-20	3.85	-39.339	-0.0470	-2.5 to 2.5	Pass
				-10	3.85	-37.107	-0.0444	-2.5 to 2.5	Pass
				0	3.85	-36.192	-0.0433	-2.5 to 2.5	Pass
				10	3.85	-34.375	-0.0411	-2.5 to 2.5	Pass
				30	3.85	-34.876	-0.0417	-2.5 to 2.5	Pass
				40	3.85	-32.558	-0.0389	-2.5 to 2.5	Pass
				50	3.85	-31.857	-0.0381	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-9.556	-0.0113	-2.5 to 2.5	Pass
					3.85	-8.011	-0.0095	-2.5 to 2.5	Pass
					4.43	-2.761	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-20	3.85	3.977	0.0047	-2.5 to 2.5	Pass
				-10	3.85	6.981	0.0083	-2.5 to 2.5	Pass
				0	3.85	8.140	0.0096	-2.5 to 2.5	Pass
				10	3.85	10.800	0.0128	-2.5 to 2.5	Pass
				30	3.85	12.631	0.0150	-2.5 to 2.5	Pass
				40	3.85	15.621	0.0185	-2.5 to 2.5	Pass
				50	3.85	17.710	0.0210	-2.5 to 2.5	Pass