

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	3.5	-6.427	-0.0092	-2.5 to 2.5	Pass
					3.86	-2.269	-0.0032	-2.5 to 2.5	Pass
					4.45	-5.499	-0.0079	-2.5 to 2.5	Pass
				-30	3.86	-6.182	-0.0088	-2.5 to 2.5	Pass
				-20	3.86	-7.021	-0.0100	-2.5 to 2.5	Pass
				-10	3.86	-8.748	-0.0125	-2.5 to 2.5	Pass
				0	3.86	-8.985	-0.0128	-2.5 to 2.5	Pass
				10	3.86	-8.759	-0.0125	-2.5 to 2.5	Pass
				30	3.86	-6.532	-0.0093	-2.5 to 2.5	Pass
				40	3.86	-5.618	-0.0080	-2.5 to 2.5	Pass
				50	3.86	-6.535	-0.0093	-2.5 to 2.5	Pass
	707.5	6	0	20	3.5	-0.206	-0.0003	-2.5 to 2.5	Pass
					3.86	-3.883	-0.0055	-2.5 to 2.5	Pass
					4.45	-6.973	-0.0099	-2.5 to 2.5	Pass
				-30	3.86	-5.241	-0.0074	-2.5 to 2.5	Pass
				-20	3.86	-10.127	-0.0143	-2.5 to 2.5	Pass
				-10	3.86	-5.135	-0.0073	-2.5 to 2.5	Pass
				0	3.86	-4.161	-0.0059	-2.5 to 2.5	Pass
				10	3.86	-10.117	-0.0143	-2.5 to 2.5	Pass
				30	3.86	-8.738	-0.0124	-2.5 to 2.5	Pass
				40	3.86	-5.818	-0.0082	-2.5 to 2.5	Pass
				50	3.86	-9.455	-0.0134	-2.5 to 2.5	Pass
	715.3	6	0	20	3.5	-8.747	-0.0122	-2.5 to 2.5	Pass
					3.86	-4.915	-0.0069	-2.5 to 2.5	Pass
					4.45	-4.827	-0.0067	-2.5 to 2.5	Pass
				-30	3.86	-7.426	-0.0104	-2.5 to 2.5	Pass
				-20	3.86	-7.565	-0.0106	-2.5 to 2.5	Pass
				-10	3.86	-6.523	-0.0091	-2.5 to 2.5	Pass
				0	3.86	-7.757	-0.0108	-2.5 to 2.5	Pass
				10	3.86	-8.877	-0.0124	-2.5 to 2.5	Pass
				30	3.86	-4.671	-0.0065	-2.5 to 2.5	Pass
				40	3.86	-8.079	-0.0113	-2.5 to 2.5	Pass
				50	3.86	-7.422	-0.0104	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.5	-6.651	-0.0095	-2.5 to 2.5	Pass
					3.86	-7.189	-0.0103	-2.5 to 2.5	Pass
					4.45	-9.099	-0.0130	-2.5 to 2.5	Pass
				-30	3.86	-8.662	-0.0124	-2.5 to 2.5	Pass
				-20	3.86	-10.246	-0.0146	-2.5 to 2.5	Pass
				-10	3.86	-8.031	-0.0115	-2.5 to 2.5	Pass
				0	3.86	-5.195	-0.0074	-2.5 to 2.5	Pass
				10	3.86	-4.018	-0.0057	-2.5 to 2.5	Pass
				30	3.86	-5.460	-0.0078	-2.5 to 2.5	Pass
				40	3.86	-0.945	-0.0014	-2.5 to 2.5	Pass
				50	3.86	-2.181	-0.0031	-2.5 to 2.5	Pass
	707.5	6	0	20	3.5	-2.878	-0.0041	-2.5 to 2.5	Pass
					3.86	-6.279	-0.0089	-2.5 to 2.5	Pass
					4.45	-5.465	-0.0077	-2.5 to 2.5	Pass
				-30	3.86	-6.460	-0.0091	-2.5 to 2.5	Pass
				-20	3.86	-2.306	-0.0033	-2.5 to 2.5	Pass

				-10	3.86	-3.155	-0.0045	-2.5 to 2.5	Pass
				0	3.86	-5.723	-0.0081	-2.5 to 2.5	Pass
				10	3.86	-2.684	-0.0038	-2.5 to 2.5	Pass
				30	3.86	-6.112	-0.0086	-2.5 to 2.5	Pass
				40	3.86	-6.948	-0.0098	-2.5 to 2.5	Pass
				50	3.86	-7.804	-0.0110	-2.5 to 2.5	Pass
	715.3	6	0	20	3.5	-8.415	-0.0118	-2.5 to 2.5	Pass
					3.86	-4.195	-0.0059	-2.5 to 2.5	Pass
					4.45	-3.797	-0.0053	-2.5 to 2.5	Pass
				-30	3.86	-4.560	-0.0064	-2.5 to 2.5	Pass
				-20	3.86	-8.649	-0.0121	-2.5 to 2.5	Pass
				-10	3.86	-5.742	-0.0080	-2.5 to 2.5	Pass
				0	3.86	-6.432	-0.0090	-2.5 to 2.5	Pass
				10	3.86	-5.338	-0.0075	-2.5 to 2.5	Pass
				30	3.86	-3.422	-0.0048	-2.5 to 2.5	Pass
				40	3.86	-3.456	-0.0048	-2.5 to 2.5	Pass
				50	3.86	-4.278	-0.0060	-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	3.5	-5.047	-0.0072	-2.5 to 2.5	Pass
					3.86	-7.747	-0.0111	-2.5 to 2.5	Pass
					4.45	-6.401	-0.0091	-2.5 to 2.5	Pass
				-30	3.86	-7.236	-0.0103	-2.5 to 2.5	Pass
				-20	3.86	-5.528	-0.0079	-2.5 to 2.5	Pass
				-10	3.86	-4.720	-0.0067	-2.5 to 2.5	Pass
				0	3.86	-2.688	-0.0038	-2.5 to 2.5	Pass
				10	3.86	-6.738	-0.0096	-2.5 to 2.5	Pass
				30	3.86	-2.487	-0.0036	-2.5 to 2.5	Pass
				40	3.86	-2.588	-0.0037	-2.5 to 2.5	Pass
				50	3.86	-4.153	-0.0059	-2.5 to 2.5	Pass
	707.5	15	0	20	3.5	-8.149	-0.0115	-2.5 to 2.5	Pass
					3.86	-4.964	-0.0070	-2.5 to 2.5	Pass
					4.45	-4.342	-0.0061	-2.5 to 2.5	Pass
				-30	3.86	-7.731	-0.0109	-2.5 to 2.5	Pass
				-20	3.86	-5.224	-0.0074	-2.5 to 2.5	Pass
				-10	3.86	-10.115	-0.0143	-2.5 to 2.5	Pass
				0	3.86	-7.505	-0.0106	-2.5 to 2.5	Pass
				10	3.86	-7.573	-0.0107	-2.5 to 2.5	Pass
				30	3.86	-9.519	-0.0135	-2.5 to 2.5	Pass
				40	3.86	-9.926	-0.0140	-2.5 to 2.5	Pass
				50	3.86	-5.991	-0.0085	-2.5 to 2.5	Pass
	714.5	15	0	20	3.5	-4.210	-0.0059	-2.5 to 2.5	Pass
					3.86	-4.089	-0.0057	-2.5 to 2.5	Pass
					4.45	-4.428	-0.0062	-2.5 to 2.5	Pass
				-30	3.86	-4.857	-0.0068	-2.5 to 2.5	Pass
				-20	3.86	-4.326	-0.0061	-2.5 to 2.5	Pass
				-10	3.86	-5.486	-0.0077	-2.5 to 2.5	Pass
				0	3.86	-3.880	-0.0054	-2.5 to 2.5	Pass
				10	3.86	-4.747	-0.0066	-2.5 to 2.5	Pass
				30	3.86	-8.557	-0.0120	-2.5 to 2.5	Pass
				40	3.86	-8.687	-0.0122	-2.5 to 2.5	Pass

				50	3.86	-10.279	-0.0144	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.5	-10.120	-0.0144	-2.5 to 2.5	Pass
					3.86	-7.458	-0.0106	-2.5 to 2.5	Pass
					4.45	-7.008	-0.0100	-2.5 to 2.5	Pass
					-30	3.86	-6.494	-0.0093	-2.5 to 2.5
				-20	3.86	-8.327	-0.0119	-2.5 to 2.5	Pass
				-10	3.86	-7.030	-0.0100	-2.5 to 2.5	Pass
				0	3.86	-7.806	-0.0111	-2.5 to 2.5	Pass
				10	3.86	-5.283	-0.0075	-2.5 to 2.5	Pass
				30	3.86	-7.334	-0.0105	-2.5 to 2.5	Pass
				40	3.86	-6.761	-0.0097	-2.5 to 2.5	Pass
	50	3.86	-12.979	-0.0185	-2.5 to 2.5	Pass			
	707.5	15	0	20	3.5	-12.056	-0.0170	-2.5 to 2.5	Pass
					3.86	-7.072	-0.0100	-2.5 to 2.5	Pass
					4.45	-7.250	-0.0102	-2.5 to 2.5	Pass
				-30	3.86	-2.644	-0.0037	-2.5 to 2.5	Pass
				-20	3.86	-2.779	-0.0039	-2.5 to 2.5	Pass
				-10	3.86	-3.307	-0.0047	-2.5 to 2.5	Pass
				0	3.86	-1.097	-0.0016	-2.5 to 2.5	Pass
				10	3.86	-2.792	-0.0039	-2.5 to 2.5	Pass
				30	3.86	-1.489	-0.0021	-2.5 to 2.5	Pass
				40	3.86	-1.693	-0.0024	-2.5 to 2.5	Pass
	50	3.86	-2.244	-0.0032	-2.5 to 2.5	Pass			
	714.5	15	0	20	3.5	-9.551	-0.0134	-2.5 to 2.5	Pass
					3.86	-9.562	-0.0134	-2.5 to 2.5	Pass
					4.45	-7.625	-0.0107	-2.5 to 2.5	Pass
				-30	3.86	-9.925	-0.0139	-2.5 to 2.5	Pass
				-20	3.86	-7.905	-0.0111	-2.5 to 2.5	Pass
				-10	3.86	-7.877	-0.0110	-2.5 to 2.5	Pass
				0	3.86	-5.791	-0.0081	-2.5 to 2.5	Pass
				10	3.86	-8.623	-0.0121	-2.5 to 2.5	Pass
				30	3.86	-5.660	-0.0079	-2.5 to 2.5	Pass
				40	3.86	-5.442	-0.0076	-2.5 to 2.5	Pass
	50	3.86	-6.317	-0.0088	-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	3.5	-5.264	-0.0075	-2.5 to 2.5	Pass
					3.86	-6.195	-0.0088	-2.5 to 2.5	Pass
					4.45	-3.750	-0.0053	-2.5 to 2.5	Pass
				-30	3.86	-5.927	-0.0084	-2.5 to 2.5	Pass
				-20	3.86	-7.843	-0.0112	-2.5 to 2.5	Pass
				-10	3.86	-9.692	-0.0138	-2.5 to 2.5	Pass
				0	3.86	-10.250	-0.0146	-2.5 to 2.5	Pass
				10	3.86	-10.009	-0.0143	-2.5 to 2.5	Pass
				30	3.86	-10.044	-0.0143	-2.5 to 2.5	Pass
				40	3.86	-6.269	-0.0089	-2.5 to 2.5	Pass
				50	3.86	-3.545	-0.0051	-2.5 to 2.5	Pass
	707.5	25	0	20	3.5	-3.847	-0.0054	-2.5 to 2.5	Pass
					3.86	-3.424	-0.0048	-2.5 to 2.5	Pass
					4.45	-3.952	-0.0056	-2.5 to 2.5	Pass
				-30	3.86	-3.828	-0.0054	-2.5 to 2.5	Pass

				-20	3.86	-3.377	-0.0048	-2.5 to 2.5	Pass
				-10	3.86	-1.610	-0.0023	-2.5 to 2.5	Pass
				0	3.86	-4.946	-0.0070	-2.5 to 2.5	Pass
				10	3.86	-5.072	-0.0072	-2.5 to 2.5	Pass
				30	3.86	-4.857	-0.0069	-2.5 to 2.5	Pass
				40	3.86	-1.306	-0.0018	-2.5 to 2.5	Pass
				50	3.86	-1.594	-0.0023	-2.5 to 2.5	Pass
	713.5	25	0	20	3.5	-5.147	-0.0072	-2.5 to 2.5	Pass
					3.86	-4.989	-0.0070	-2.5 to 2.5	Pass
					4.45	-6.560	-0.0092	-2.5 to 2.5	Pass
				-30	3.86	-7.974	-0.0112	-2.5 to 2.5	Pass
				-20	3.86	-8.182	-0.0115	-2.5 to 2.5	Pass
				-10	3.86	-9.026	-0.0127	-2.5 to 2.5	Pass
				0	3.86	-3.252	-0.0046	-2.5 to 2.5	Pass
				10	3.86	-5.442	-0.0076	-2.5 to 2.5	Pass
				30	3.86	-7.778	-0.0109	-2.5 to 2.5	Pass
				40	3.86	-9.303	-0.0130	-2.5 to 2.5	Pass
				50	3.86	-9.885	-0.0139	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.5	-3.028	-0.0043	-2.5 to 2.5	Pass
					3.86	-5.338	-0.0076	-2.5 to 2.5	Pass
					4.45	-8.792	-0.0125	-2.5 to 2.5	Pass
				-30	3.86	-10.531	-0.0150	-2.5 to 2.5	Pass
				-20	3.86	-10.651	-0.0152	-2.5 to 2.5	Pass
				-10	3.86	-5.722	-0.0082	-2.5 to 2.5	Pass
				0	3.86	-10.986	-0.0157	-2.5 to 2.5	Pass
				10	3.86	-9.885	-0.0141	-2.5 to 2.5	Pass
				30	3.86	-10.031	-0.0143	-2.5 to 2.5	Pass
				40	3.86	-10.643	-0.0152	-2.5 to 2.5	Pass
	707.5	25	0	50	3.86	-6.223	-0.0089	-2.5 to 2.5	Pass
				20	3.5	-4.452	-0.0063	-2.5 to 2.5	Pass
					3.86	-9.838	-0.0139	-2.5 to 2.5	Pass
					4.45	-8.275	-0.0117	-2.5 to 2.5	Pass
				-30	3.86	-9.429	-0.0133	-2.5 to 2.5	Pass
				-20	3.86	-6.801	-0.0096	-2.5 to 2.5	Pass
				-10	3.86	-5.454	-0.0077	-2.5 to 2.5	Pass
				0	3.86	-4.172	-0.0059	-2.5 to 2.5	Pass
				10	3.86	-2.284	-0.0032	-2.5 to 2.5	Pass
				30	3.86	-2.828	-0.0040	-2.5 to 2.5	Pass
	713.5	25	0	40	3.86	-2.342	-0.0033	-2.5 to 2.5	Pass
				50	3.86	-1.356	-0.0019	-2.5 to 2.5	Pass
				20	3.5	-6.627	-0.0093	-2.5 to 2.5	Pass
					3.86	-3.351	-0.0047	-2.5 to 2.5	Pass
					4.45	-0.043	-0.0001	-2.5 to 2.5	Pass
				-30	3.86	-7.743	-0.0109	-2.5 to 2.5	Pass
				-20	3.86	-5.076	-0.0071	-2.5 to 2.5	Pass
				-10	3.86	-2.053	-0.0029	-2.5 to 2.5	Pass
				0	3.86	-4.293	-0.0060	-2.5 to 2.5	Pass
				10	3.86	-3.259	-0.0046	-2.5 to 2.5	Pass
				30	3.86	-5.033	-0.0071	-2.5 to 2.5	Pass
				40	3.86	-8.070	-0.0113	-2.5 to 2.5	Pass
				50	3.86	-5.215	-0.0073	-2.5 to 2.5	Pass

1.4 B12_10MHz

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.5	-7.451	-0.0106	-2.5 to 2.5	Pass
					3.86	-8.857	-0.0126	-2.5 to 2.5	Pass
					4.45	-2.906	-0.0041	-2.5 to 2.5	Pass
				-30	3.86	-1.454	-0.0021	-2.5 to 2.5	Pass
				-20	3.86	-3.841	-0.0055	-2.5 to 2.5	Pass
				-10	3.86	-4.443	-0.0063	-2.5 to 2.5	Pass
				0	3.86	-4.840	-0.0069	-2.5 to 2.5	Pass
				10	3.86	-3.962	-0.0056	-2.5 to 2.5	Pass
				30	3.86	-7.836	-0.0111	-2.5 to 2.5	Pass
				40	3.86	-8.718	-0.0124	-2.5 to 2.5	Pass
				50	3.86	-3.740	-0.0053	-2.5 to 2.5	Pass
	707.5	50	0	20	3.5	-6.586	-0.0093	-2.5 to 2.5	Pass
					3.86	-6.831	-0.0097	-2.5 to 2.5	Pass
					4.45	-5.502	-0.0078	-2.5 to 2.5	Pass
				-30	3.86	-8.750	-0.0124	-2.5 to 2.5	Pass
				-20	3.86	-5.663	-0.0080	-2.5 to 2.5	Pass
				-10	3.86	-8.341	-0.0118	-2.5 to 2.5	Pass
				0	3.86	-1.754	-0.0025	-2.5 to 2.5	Pass
				10	3.86	-6.261	-0.0088	-2.5 to 2.5	Pass
				30	3.86	-3.762	-0.0053	-2.5 to 2.5	Pass
				40	3.86	-7.237	-0.0102	-2.5 to 2.5	Pass
				50	3.86	-7.539	-0.0107	-2.5 to 2.5	Pass
	711	50	0	20	3.5	-7.727	-0.0109	-2.5 to 2.5	Pass
					3.86	-12.243	-0.0172	-2.5 to 2.5	Pass
					4.45	-6.437	-0.0091	-2.5 to 2.5	Pass
				-30	3.86	-1.723	-0.0024	-2.5 to 2.5	Pass
				-20	3.86	-0.147	-0.0002	-2.5 to 2.5	Pass
				-10	3.86	-1.133	-0.0016	-2.5 to 2.5	Pass
				0	3.86	-10.794	-0.0152	-2.5 to 2.5	Pass
				10	3.86	-5.186	-0.0073	-2.5 to 2.5	Pass
				30	3.86	-8.583	-0.0121	-2.5 to 2.5	Pass
				40	3.86	-9.283	-0.0131	-2.5 to 2.5	Pass
				50	3.86	-10.926	-0.0154	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.5	-6.335	-0.0090	-2.5 to 2.5	Pass
					3.86	-7.069	-0.0100	-2.5 to 2.5	Pass
					4.45	-2.067	-0.0029	-2.5 to 2.5	Pass
				-30	3.86	-4.166	-0.0059	-2.5 to 2.5	Pass
				-20	3.86	-4.156	-0.0059	-2.5 to 2.5	Pass
				-10	3.86	-3.810	-0.0054	-2.5 to 2.5	Pass
				0	3.86	-4.224	-0.0060	-2.5 to 2.5	Pass
				10	3.86	-1.013	-0.0014	-2.5 to 2.5	Pass
				30	3.86	-4.537	-0.0064	-2.5 to 2.5	Pass
				40	3.86	-9.163	-0.0130	-2.5 to 2.5	Pass
				50	3.86	-5.252	-0.0075	-2.5 to 2.5	Pass
	707.5	50	0	20	3.5	-5.621	-0.0079	-2.5 to 2.5	Pass
					3.86	-6.419	-0.0091	-2.5 to 2.5	Pass
					4.45	-8.020	-0.0113	-2.5 to 2.5	Pass
				-30	3.86	-8.705	-0.0123	-2.5 to 2.5	Pass
				-20	3.86	-8.268	-0.0117	-2.5 to 2.5	Pass
				-10	3.86	-8.662	-0.0122	-2.5 to 2.5	Pass
				0	3.86	-7.759	-0.0110	-2.5 to 2.5	Pass
				10	3.86	-10.474	-0.0148	-2.5 to 2.5	Pass
				30	3.86	-2.580	-0.0036	-2.5 to 2.5	Pass
				40	3.86	-9.150	-0.0129	-2.5 to 2.5	Pass
				50	3.86	-5.212	-0.0074	-2.5 to 2.5	Pass
	711	50	0	20	3.5	-6.508	-0.0092	-2.5 to 2.5	Pass
					3.86	-8.910	-0.0125	-2.5 to 2.5	Pass

					4.45	-9.151	-0.0129	-2.5 to 2.5	Pass
				-30	3.86	-7.412	-0.0104	-2.5 to 2.5	Pass
				-20	3.86	-6.980	-0.0098	-2.5 to 2.5	Pass
				-10	3.86	-7.096	-0.0100	-2.5 to 2.5	Pass
				0	3.86	-6.376	-0.0090	-2.5 to 2.5	Pass
				10	3.86	-4.224	-0.0059	-2.5 to 2.5	Pass
				30	3.86	-7.790	-0.0110	-2.5 to 2.5	Pass
				40	3.86	-6.277	-0.0088	-2.5 to 2.5	Pass
				50	3.86	-7.819	-0.0110	-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	3.5	-5.674	-0.0073	-2.5 to 2.5	Pass
					3.86	-8.832	-0.0113	-2.5 to 2.5	Pass
					4.45	-6.361	-0.0082	-2.5 to 2.5	Pass
				-30	3.86	-4.970	-0.0064	-2.5 to 2.5	Pass
				-20	3.86	-5.668	-0.0073	-2.5 to 2.5	Pass
				-10	3.86	-4.325	-0.0055	-2.5 to 2.5	Pass
				0	3.86	-11.439	-0.0147	-2.5 to 2.5	Pass
				10	3.86	-9.341	-0.0120	-2.5 to 2.5	Pass
				30	3.86	-12.267	-0.0157	-2.5 to 2.5	Pass
				40	3.86	-9.799	-0.0126	-2.5 to 2.5	Pass
				50	3.86	-7.789	-0.0100	-2.5 to 2.5	Pass
	782	25	0	20	3.5	-4.077	-0.0052	-2.5 to 2.5	Pass
					3.86	-3.519	-0.0045	-2.5 to 2.5	Pass
					4.45	-1.346	-0.0017	-2.5 to 2.5	Pass
				-30	3.86	-6.646	-0.0085	-2.5 to 2.5	Pass
				-20	3.86	-4.175	-0.0053	-2.5 to 2.5	Pass
				-10	3.86	-5.705	-0.0073	-2.5 to 2.5	Pass
				0	3.86	-4.226	-0.0054	-2.5 to 2.5	Pass
				10	3.86	-4.473	-0.0057	-2.5 to 2.5	Pass
				30	3.86	-4.074	-0.0052	-2.5 to 2.5	Pass
				40	3.86	-5.828	-0.0075	-2.5 to 2.5	Pass
				50	3.86	-5.995	-0.0077	-2.5 to 2.5	Pass
	784.5	25	0	20	3.5	-4.969	-0.0063	-2.5 to 2.5	Pass
					3.86	-0.311	-0.0004	-2.5 to 2.5	Pass
					4.45	-6.073	-0.0077	-2.5 to 2.5	Pass
				-30	3.86	-7.560	-0.0096	-2.5 to 2.5	Pass
				-20	3.86	-7.972	-0.0102	-2.5 to 2.5	Pass
				-10	3.86	-6.241	-0.0080	-2.5 to 2.5	Pass
				0	3.86	-3.881	-0.0049	-2.5 to 2.5	Pass
				10	3.86	-7.673	-0.0098	-2.5 to 2.5	Pass
				30	3.86	-5.834	-0.0074	-2.5 to 2.5	Pass
				40	3.86	-3.085	-0.0039	-2.5 to 2.5	Pass
				50	3.86	-1.652	-0.0021	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.5	-5.776	-0.0074	-2.5 to 2.5	Pass
					3.86	-7.275	-0.0093	-2.5 to 2.5	Pass
					4.45	-9.612	-0.0123	-2.5 to 2.5	Pass
				-30	3.86	-8.315	-0.0107	-2.5 to 2.5	Pass

				-20	3.86	-8.793	-0.0113	-2.5 to 2.5	Pass
				-10	3.86	-10.908	-0.0140	-2.5 to 2.5	Pass
				0	3.86	-2.498	-0.0032	-2.5 to 2.5	Pass
				10	3.86	-6.666	-0.0086	-2.5 to 2.5	Pass
				30	3.86	-4.974	-0.0064	-2.5 to 2.5	Pass
				40	3.86	-4.335	-0.0056	-2.5 to 2.5	Pass
				50	3.86	-1.095	-0.0014	-2.5 to 2.5	Pass
	782	25	0	20	3.5	-1.745	-0.0022	-2.5 to 2.5	Pass
					3.86	-5.626	-0.0072	-2.5 to 2.5	Pass
					4.45	-3.428	-0.0044	-2.5 to 2.5	Pass
				-30	3.86	-2.092	-0.0027	-2.5 to 2.5	Pass
				-20	3.86	-1.294	-0.0017	-2.5 to 2.5	Pass
				-10	3.86	0.916	0.0012	-2.5 to 2.5	Pass
				0	3.86	-2.377	-0.0030	-2.5 to 2.5	Pass
				10	3.86	-6.143	-0.0079	-2.5 to 2.5	Pass
				30	3.86	-6.838	-0.0087	-2.5 to 2.5	Pass
				40	3.86	-2.807	-0.0036	-2.5 to 2.5	Pass
				50	3.86	-4.489	-0.0057	-2.5 to 2.5	Pass
	784.5	25	0	20	3.5	-3.414	-0.0044	-2.5 to 2.5	Pass
					3.86	-4.341	-0.0055	-2.5 to 2.5	Pass
					4.45	-1.227	-0.0016	-2.5 to 2.5	Pass
				-30	3.86	-2.067	-0.0026	-2.5 to 2.5	Pass
				-20	3.86	-5.855	-0.0075	-2.5 to 2.5	Pass
				-10	3.86	-4.213	-0.0054	-2.5 to 2.5	Pass
				0	3.86	-7.362	-0.0094	-2.5 to 2.5	Pass
				10	3.86	-5.667	-0.0072	-2.5 to 2.5	Pass
				30	3.86	-4.877	-0.0062	-2.5 to 2.5	Pass
				40	3.86	-6.055	-0.0077	-2.5 to 2.5	Pass
				50	3.86	-6.336	-0.0081	-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	3.5	-2.420	-0.0031	-2.5 to 2.5	Pass
					3.86	-2.879	-0.0037	-2.5 to 2.5	Pass
					4.45	-6.197	-0.0079	-2.5 to 2.5	Pass
				-30	3.86	-5.465	-0.0070	-2.5 to 2.5	Pass
				-20	3.86	-5.366	-0.0069	-2.5 to 2.5	Pass
				-10	3.86	-9.196	-0.0118	-2.5 to 2.5	Pass
				0	3.86	-6.304	-0.0081	-2.5 to 2.5	Pass
				10	3.86	-5.924	-0.0076	-2.5 to 2.5	Pass
				30	3.86	-2.786	-0.0036	-2.5 to 2.5	Pass
				40	3.86	-1.892	-0.0024	-2.5 to 2.5	Pass
				50	3.86	-1.453	-0.0019	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.5	-7.794	-0.0100	-2.5 to 2.5	Pass
					3.86	-6.344	-0.0081	-2.5 to 2.5	Pass
					4.45	-5.911	-0.0076	-2.5 to 2.5	Pass
				-30	3.86	-5.489	-0.0070	-2.5 to 2.5	Pass
				-20	3.86	-6.311	-0.0081	-2.5 to 2.5	Pass
				-10	3.86	-5.768	-0.0074	-2.5 to 2.5	Pass
				0	3.86	-4.098	-0.0052	-2.5 to 2.5	Pass
				10	3.86	-7.310	-0.0093	-2.5 to 2.5	Pass
				30	3.86	-8.614	-0.0110	-2.5 to 2.5	Pass

				40	3.86	-8.827	-0.0113	-2.5 to 2.5	Pass
				50	3.86	-6.295	-0.0080	-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	3.5	-2.907	-0.0041	-2.5 to 2.5	Pass
					3.86	-0.854	-0.0012	-2.5 to 2.5	Pass
					4.45	0.384	0.0005	-2.5 to 2.5	Pass
				-30	3.86	-2.894	-0.0041	-2.5 to 2.5	Pass
				-20	3.86	-4.839	-0.0068	-2.5 to 2.5	Pass
				-10	3.86	-5.734	-0.0081	-2.5 to 2.5	Pass
				0	3.86	-6.391	-0.0090	-2.5 to 2.5	Pass
				10	3.86	-6.313	-0.0089	-2.5 to 2.5	Pass
				30	3.86	-5.657	-0.0080	-2.5 to 2.5	Pass
				40	3.86	-6.749	-0.0096	-2.5 to 2.5	Pass
				50	3.86	-10.385	-0.0147	-2.5 to 2.5	Pass
	710	25	0	20	3.5	-2.510	-0.0035	-2.5 to 2.5	Pass
					3.86	-7.120	-0.0100	-2.5 to 2.5	Pass
					4.45	-8.952	-0.0126	-2.5 to 2.5	Pass
				-30	3.86	-5.230	-0.0074	-2.5 to 2.5	Pass
				-20	3.86	-2.552	-0.0036	-2.5 to 2.5	Pass
				-10	3.86	-3.547	-0.0050	-2.5 to 2.5	Pass
				0	3.86	-3.548	-0.0050	-2.5 to 2.5	Pass
				10	3.86	-1.147	-0.0016	-2.5 to 2.5	Pass
				30	3.86	-8.213	-0.0116	-2.5 to 2.5	Pass
				40	3.86	-4.363	-0.0061	-2.5 to 2.5	Pass
				50	3.86	-5.344	-0.0075	-2.5 to 2.5	Pass
	713.5	25	0	20	3.5	-5.407	-0.0076	-2.5 to 2.5	Pass
					3.86	-2.251	-0.0032	-2.5 to 2.5	Pass
					4.45	-2.007	-0.0028	-2.5 to 2.5	Pass
				-30	3.86	-9.291	-0.0130	-2.5 to 2.5	Pass
				-20	3.86	-6.085	-0.0085	-2.5 to 2.5	Pass
				-10	3.86	-8.398	-0.0118	-2.5 to 2.5	Pass
				0	3.86	-5.188	-0.0073	-2.5 to 2.5	Pass
				10	3.86	-3.941	-0.0055	-2.5 to 2.5	Pass
				30	3.86	-5.413	-0.0076	-2.5 to 2.5	Pass
				40	3.86	-2.605	-0.0037	-2.5 to 2.5	Pass
				50	3.86	-6.574	-0.0092	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.5	-7.215	-0.0102	-2.5 to 2.5	Pass
					3.86	-4.454	-0.0063	-2.5 to 2.5	Pass
					4.45	-0.317	-0.0004	-2.5 to 2.5	Pass
				-30	3.86	-6.341	-0.0090	-2.5 to 2.5	Pass
				-20	3.86	-3.813	-0.0054	-2.5 to 2.5	Pass
				-10	3.86	-7.906	-0.0112	-2.5 to 2.5	Pass
				0	3.86	-7.150	-0.0101	-2.5 to 2.5	Pass
				10	3.86	-8.215	-0.0116	-2.5 to 2.5	Pass
				30	3.86	-10.643	-0.0151	-2.5 to 2.5	Pass
				40	3.86	-10.921	-0.0155	-2.5 to 2.5	Pass
				50	3.86	-8.334	-0.0118	-2.5 to 2.5	Pass

	710	25	0	20	3.5	-3.982	-0.0056	-2.5 to 2.5	Pass
					3.86	-5.333	-0.0075	-2.5 to 2.5	Pass
					4.45	-3.888	-0.0055	-2.5 to 2.5	Pass
				-30	3.86	-3.312	-0.0047	-2.5 to 2.5	Pass
				-20	3.86	-6.056	-0.0085	-2.5 to 2.5	Pass
				-10	3.86	-1.957	-0.0028	-2.5 to 2.5	Pass
				0	3.86	-8.624	-0.0121	-2.5 to 2.5	Pass
				10	3.86	-6.550	-0.0092	-2.5 to 2.5	Pass
				30	3.86	-7.242	-0.0102	-2.5 to 2.5	Pass
	713.5	25	0	20	3.86	-6.205	-0.0087	-2.5 to 2.5	Pass
					3.86	-3.065	-0.0043	-2.5 to 2.5	Pass
					3.5	-2.738	-0.0038	-2.5 to 2.5	Pass
				20	3.86	-5.241	-0.0073	-2.5 to 2.5	Pass
					4.45	-1.504	-0.0021	-2.5 to 2.5	Pass
					3.86	-7.678	-0.0108	-2.5 to 2.5	Pass
				-30	3.86	-6.319	-0.0089	-2.5 to 2.5	Pass
				-20	3.86	-8.196	-0.0115	-2.5 to 2.5	Pass
				-10	3.86	-7.770	-0.0109	-2.5 to 2.5	Pass
				0	3.86	-7.966	-0.0112	-2.5 to 2.5	Pass
				10	3.86	-8.326	-0.0117	-2.5 to 2.5	Pass
				30	3.86	-4.719	-0.0066	-2.5 to 2.5	Pass
				40	3.86	-5.973	-0.0084	-2.5 to 2.5	Pass
				50	3.86				

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	3.5	-4.112	-0.0058	-2.5 to 2.5	Pass
					3.86	-12.103	-0.0171	-2.5 to 2.5	Pass
					4.45	-3.614	-0.0051	-2.5 to 2.5	Pass
				-30	3.86	-0.504	-0.0007	-2.5 to 2.5	Pass
				-20	3.86	-1.777	-0.0025	-2.5 to 2.5	Pass
				-10	3.86	-2.431	-0.0034	-2.5 to 2.5	Pass
				0	3.86	-1.621	-0.0023	-2.5 to 2.5	Pass
				10	3.86	-2.762	-0.0039	-2.5 to 2.5	Pass
				30	3.86	-2.392	-0.0034	-2.5 to 2.5	Pass
	710	50	0	20	3.86	-3.321	-0.0047	-2.5 to 2.5	Pass
					3.86	-3.716	-0.0052	-2.5 to 2.5	Pass
					3.5	-3.590	-0.0051	-2.5 to 2.5	Pass
				20	3.86	-5.142	-0.0072	-2.5 to 2.5	Pass
					4.45	-5.834	-0.0082	-2.5 to 2.5	Pass
					3.86	-3.036	-0.0043	-2.5 to 2.5	Pass
				-30	3.86	-0.500	-0.0007	-2.5 to 2.5	Pass
				-20	3.86	-0.500	-0.0007	-2.5 to 2.5	Pass
				-10	3.86	-1.003	-0.0014	-2.5 to 2.5	Pass
				0	3.86	-5.426	-0.0076	-2.5 to 2.5	Pass
	711	50	0	20	3.86	-3.950	-0.0056	-2.5 to 2.5	Pass
					3.86	-0.203	-0.0003	-2.5 to 2.5	Pass
					3.86	-1.771	-0.0025	-2.5 to 2.5	Pass
				20	3.86	-3.309	-0.0047	-2.5 to 2.5	Pass
					3.5	-2.557	-0.0036	-2.5 to 2.5	Pass
					3.86	-10.795	-0.0152	-2.5 to 2.5	Pass
					4.45	-9.814	-0.0138	-2.5 to 2.5	Pass
				-30	3.86	-6.195	-0.0087	-2.5 to 2.5	Pass
				-20	3.86	-6.872	-0.0097	-2.5 to 2.5	Pass

16QAM				-10	3.86	-8.316	-0.0117	-2.5 to 2.5	Pass
				0	3.86	-6.792	-0.0096	-2.5 to 2.5	Pass
				10	3.86	-1.828	-0.0026	-2.5 to 2.5	Pass
				30	3.86	-0.613	-0.0009	-2.5 to 2.5	Pass
				40	3.86	-6.921	-0.0097	-2.5 to 2.5	Pass
	709	50	0	50	3.86	-8.564	-0.0120	-2.5 to 2.5	Pass
				20	3.5	-0.573	-0.0008	-2.5 to 2.5	Pass
					3.86	-4.140	-0.0058	-2.5 to 2.5	Pass
					4.45	-6.844	-0.0097	-2.5 to 2.5	Pass
				-30	3.86	-7.139	-0.0101	-2.5 to 2.5	Pass
				-20	3.86	-7.823	-0.0110	-2.5 to 2.5	Pass
				-10	3.86	-8.027	-0.0113	-2.5 to 2.5	Pass
				0	3.86	-7.729	-0.0109	-2.5 to 2.5	Pass
				10	3.86	-3.502	-0.0049	-2.5 to 2.5	Pass
				30	3.86	-2.971	-0.0042	-2.5 to 2.5	Pass
				40	3.86	-7.240	-0.0102	-2.5 to 2.5	Pass
				50	3.86	-9.742	-0.0137	-2.5 to 2.5	Pass
	710	50	0	20	3.5	-9.541	-0.0134	-2.5 to 2.5	Pass
					3.86	-3.138	-0.0044	-2.5 to 2.5	Pass
					4.45	-3.352	-0.0047	-2.5 to 2.5	Pass
				-30	3.86	-4.892	-0.0069	-2.5 to 2.5	Pass
				-20	3.86	-4.188	-0.0059	-2.5 to 2.5	Pass
				-10	3.86	-3.138	-0.0044	-2.5 to 2.5	Pass
				0	3.86	-4.346	-0.0061	-2.5 to 2.5	Pass
				10	3.86	-1.686	-0.0024	-2.5 to 2.5	Pass
				30	3.86	-3.459	-0.0049	-2.5 to 2.5	Pass
				40	3.86	-1.398	-0.0020	-2.5 to 2.5	Pass
				50	3.86	-2.372	-0.0033	-2.5 to 2.5	Pass
	711	50	0	20	3.5	-8.427	-0.0119	-2.5 to 2.5	Pass
					3.86	-3.561	-0.0050	-2.5 to 2.5	Pass
					4.45	-5.094	-0.0072	-2.5 to 2.5	Pass
				-30	3.86	-4.740	-0.0067	-2.5 to 2.5	Pass
				-20	3.86	-3.927	-0.0055	-2.5 to 2.5	Pass
				-10	3.86	-3.888	-0.0055	-2.5 to 2.5	Pass
				0	3.86	-6.131	-0.0086	-2.5 to 2.5	Pass
				10	3.86	-2.950	-0.0041	-2.5 to 2.5	Pass
				30	3.86	-3.413	-0.0048	-2.5 to 2.5	Pass
				40	3.86	-3.250	-0.0046	-2.5 to 2.5	Pass
				50	3.86	-5.566	-0.0078	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B2_1.4MHz

4.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.5	-12.150	-0.0066	-2.5 to 2.5	Pass
					3.86	-9.212	-0.0050	-2.5 to 2.5	Pass
					4.45	-10.700	-0.0058	-2.5 to 2.5	Pass
				-30	3.86	-8.691	-0.0047	-2.5 to 2.5	Pass
				-20	3.86	-4.747	-0.0026	-2.5 to 2.5	Pass
				-10	3.86	-7.654	-0.0041	-2.5 to 2.5	Pass
				0	3.86	-3.942	-0.0021	-2.5 to 2.5	Pass

				10	3.86	-7.695	-0.0042	-2.5 to 2.5	Pass
				30	3.86	-8.092	-0.0044	-2.5 to 2.5	Pass
				40	3.86	-7.501	-0.0041	-2.5 to 2.5	Pass
				50	3.86	-8.908	-0.0048	-2.5 to 2.5	Pass
	1880	6	0	20	3.5	-5.566	-0.0030	-2.5 to 2.5	Pass
					3.86	-5.699	-0.0030	-2.5 to 2.5	Pass
					4.45	-0.524	-0.0003	-2.5 to 2.5	Pass
				-30	3.86	-8.068	-0.0043	-2.5 to 2.5	Pass
				-20	3.86	-12.094	-0.0064	-2.5 to 2.5	Pass
				-10	3.86	-7.399	-0.0039	-2.5 to 2.5	Pass
				0	3.86	-7.835	-0.0042	-2.5 to 2.5	Pass
				10	3.86	-9.699	-0.0052	-2.5 to 2.5	Pass
				30	3.86	-10.464	-0.0056	-2.5 to 2.5	Pass
				40	3.86	-4.852	-0.0026	-2.5 to 2.5	Pass
				50	3.86	-9.406	-0.0050	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.5	3.817	0.0020	-2.5 to 2.5	Pass
					3.86	-4.947	-0.0026	-2.5 to 2.5	Pass
					4.45	-4.185	-0.0022	-2.5 to 2.5	Pass
				-30	3.86	-2.542	-0.0013	-2.5 to 2.5	Pass
				-20	3.86	-7.639	-0.0040	-2.5 to 2.5	Pass
				-10	3.86	-4.042	-0.0021	-2.5 to 2.5	Pass
				0	3.86	-1.364	-0.0007	-2.5 to 2.5	Pass
				10	3.86	-3.225	-0.0017	-2.5 to 2.5	Pass
				30	3.86	-7.891	-0.0041	-2.5 to 2.5	Pass
				40	3.86	-2.800	-0.0015	-2.5 to 2.5	Pass
				50	3.86	-5.312	-0.0028	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.5	-8.357	-0.0045	-2.5 to 2.5	Pass
					3.86	-8.202	-0.0044	-2.5 to 2.5	Pass
					4.45	-6.181	-0.0033	-2.5 to 2.5	Pass
				-30	3.86	-13.865	-0.0075	-2.5 to 2.5	Pass
				-20	3.86	-11.707	-0.0063	-2.5 to 2.5	Pass
				-10	3.86	-11.429	-0.0062	-2.5 to 2.5	Pass
				0	3.86	-6.775	-0.0037	-2.5 to 2.5	Pass
				10	3.86	-5.907	-0.0032	-2.5 to 2.5	Pass
				30	3.86	-3.476	-0.0019	-2.5 to 2.5	Pass
				40	3.86	-9.134	-0.0049	-2.5 to 2.5	Pass
				50	3.86	-6.249	-0.0034	-2.5 to 2.5	Pass
	1880	6	0	20	3.5	-11.476	-0.0061	-2.5 to 2.5	Pass
					3.86	-11.567	-0.0062	-2.5 to 2.5	Pass
					4.45	-11.532	-0.0061	-2.5 to 2.5	Pass
				-30	3.86	-9.194	-0.0049	-2.5 to 2.5	Pass
				-20	3.86	-10.438	-0.0056	-2.5 to 2.5	Pass
				-10	3.86	-7.365	-0.0039	-2.5 to 2.5	Pass
				0	3.86	-8.308	-0.0044	-2.5 to 2.5	Pass
				10	3.86	-6.526	-0.0035	-2.5 to 2.5	Pass
				30	3.86	-9.673	-0.0051	-2.5 to 2.5	Pass
				40	3.86	-6.781	-0.0036	-2.5 to 2.5	Pass
				50	3.86	-10.269	-0.0055	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.5	-4.373	-0.0023	-2.5 to 2.5	Pass
					3.86	-7.226	-0.0038	-2.5 to 2.5	Pass
					4.45	-7.589	-0.0040	-2.5 to 2.5	Pass
				-30	3.86	-13.060	-0.0068	-2.5 to 2.5	Pass
				-20	3.86	-9.278	-0.0049	-2.5 to 2.5	Pass
				-10	3.86	-1.404	-0.0007	-2.5 to 2.5	Pass
				0	3.86	-8.349	-0.0044	-2.5 to 2.5	Pass
				10	3.86	-5.481	-0.0029	-2.5 to 2.5	Pass
				30	3.86	-3.682	-0.0019	-2.5 to 2.5	Pass
				40	3.86	-5.769	-0.0030	-2.5 to 2.5	Pass
				50	3.86	-2.328	-0.0012	-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	3.5	-4.751	-0.0026	-2.5 to 2.5	Pass
					3.86	-3.302	-0.0018	-2.5 to 2.5	Pass
					4.45	-2.407	-0.0013	-2.5 to 2.5	Pass
				-30	3.86	-3.641	-0.0020	-2.5 to 2.5	Pass
				-20	3.86	-5.085	-0.0027	-2.5 to 2.5	Pass
				-10	3.86	-4.691	-0.0025	-2.5 to 2.5	Pass
				0	3.86	-3.634	-0.0020	-2.5 to 2.5	Pass
				10	3.86	-5.004	-0.0027	-2.5 to 2.5	Pass
				30	3.86	-6.062	-0.0033	-2.5 to 2.5	Pass
				40	3.86	-4.444	-0.0024	-2.5 to 2.5	Pass
				50	3.86	-3.807	-0.0021	-2.5 to 2.5	Pass
	1880	15	0	20	3.5	-2.144	-0.0011	-2.5 to 2.5	Pass
					3.86	-2.839	-0.0015	-2.5 to 2.5	Pass
					4.45	-0.560	-0.0003	-2.5 to 2.5	Pass
				-30	3.86	-1.475	-0.0008	-2.5 to 2.5	Pass
				-20	3.86	-6.581	-0.0035	-2.5 to 2.5	Pass
				-10	3.86	-4.454	-0.0024	-2.5 to 2.5	Pass
				0	3.86	-7.529	-0.0040	-2.5 to 2.5	Pass
				10	3.86	-4.527	-0.0024	-2.5 to 2.5	Pass
				30	3.86	-1.920	-0.0010	-2.5 to 2.5	Pass
				40	3.86	-7.476	-0.0040	-2.5 to 2.5	Pass
				50	3.86	-7.286	-0.0039	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.5	-6.134	-0.0032	-2.5 to 2.5	Pass
					3.86	-7.173	-0.0038	-2.5 to 2.5	Pass
					4.45	-9.002	-0.0047	-2.5 to 2.5	Pass
				-30	3.86	-6.902	-0.0036	-2.5 to 2.5	Pass
				-20	3.86	-9.155	-0.0048	-2.5 to 2.5	Pass
				-10	3.86	-7.036	-0.0037	-2.5 to 2.5	Pass
				0	3.86	-4.498	-0.0024	-2.5 to 2.5	Pass
				10	3.86	-5.841	-0.0031	-2.5 to 2.5	Pass
				30	3.86	-3.953	-0.0021	-2.5 to 2.5	Pass
				40	3.86	-3.429	-0.0018	-2.5 to 2.5	Pass
				50	3.86	-9.781	-0.0051	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.5	-5.779	-0.0031	-2.5 to 2.5	Pass
					3.86	-11.065	-0.0060	-2.5 to 2.5	Pass
					4.45	-4.377	-0.0024	-2.5 to 2.5	Pass
				-30	3.86	-1.241	-0.0007	-2.5 to 2.5	Pass
				-20	3.86	-6.681	-0.0036	-2.5 to 2.5	Pass
				-10	3.86	-4.777	-0.0026	-2.5 to 2.5	Pass
				0	3.86	-3.829	-0.0021	-2.5 to 2.5	Pass
				10	3.86	-4.392	-0.0024	-2.5 to 2.5	Pass
				30	3.86	-3.441	-0.0019	-2.5 to 2.5	Pass
				40	3.86	-4.045	-0.0022	-2.5 to 2.5	Pass
				50	3.86	-10.481	-0.0057	-2.5 to 2.5	Pass
	1880	15	0	20	3.5	-2.146	-0.0011	-2.5 to 2.5	Pass
					3.86	-7.380	-0.0039	-2.5 to 2.5	Pass
					4.45	-6.760	-0.0036	-2.5 to 2.5	Pass
				-30	3.86	-9.464	-0.0050	-2.5 to 2.5	Pass
				-20	3.86	-6.151	-0.0033	-2.5 to 2.5	Pass

				-10	3.86	0.001	0.0000	-2.5 to 2.5	Pass
				0	3.86	1.126	0.0006	-2.5 to 2.5	Pass
				10	3.86	-10.076	-0.0054	-2.5 to 2.5	Pass
				30	3.86	-5.181	-0.0028	-2.5 to 2.5	Pass
				40	3.86	-6.950	-0.0037	-2.5 to 2.5	Pass
				50	3.86	-5.718	-0.0030	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.5	-3.880	-0.0020	-2.5 to 2.5	Pass
					3.86	-9.001	-0.0047	-2.5 to 2.5	Pass
					4.45	-3.452	-0.0018	-2.5 to 2.5	Pass
				-30	3.86	-10.905	-0.0057	-2.5 to 2.5	Pass
				-20	3.86	-3.975	-0.0021	-2.5 to 2.5	Pass
				-10	3.86	-11.642	-0.0061	-2.5 to 2.5	Pass
				0	3.86	-6.309	-0.0033	-2.5 to 2.5	Pass
				10	3.86	-6.734	-0.0035	-2.5 to 2.5	Pass
				30	3.86	-4.960	-0.0026	-2.5 to 2.5	Pass
				40	3.86	-4.484	-0.0023	-2.5 to 2.5	Pass
				50	3.86	-10.672	-0.0056	-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	3.5	-6.740	-0.0036	-2.5 to 2.5	Pass
					3.86	-3.432	-0.0019	-2.5 to 2.5	Pass
					4.45	-4.608	-0.0025	-2.5 to 2.5	Pass
				-30	3.86	-7.429	-0.0040	-2.5 to 2.5	Pass
				-20	3.86	-4.925	-0.0027	-2.5 to 2.5	Pass
				-10	3.86	-8.822	-0.0048	-2.5 to 2.5	Pass
				0	3.86	-5.991	-0.0032	-2.5 to 2.5	Pass
				10	3.86	-3.398	-0.0018	-2.5 to 2.5	Pass
				30	3.86	-6.529	-0.0035	-2.5 to 2.5	Pass
				40	3.86	-4.388	-0.0024	-2.5 to 2.5	Pass
				50	3.86	-5.559	-0.0030	-2.5 to 2.5	Pass
	1880	25	0	20	3.5	2.139	0.0011	-2.5 to 2.5	Pass
					3.86	-4.575	-0.0024	-2.5 to 2.5	Pass
					4.45	-1.387	-0.0007	-2.5 to 2.5	Pass
				-30	3.86	-3.815	-0.0020	-2.5 to 2.5	Pass
				-20	3.86	-5.436	-0.0029	-2.5 to 2.5	Pass
				-10	3.86	-2.098	-0.0011	-2.5 to 2.5	Pass
				0	3.86	-7.625	-0.0041	-2.5 to 2.5	Pass
				10	3.86	0.538	0.0003	-2.5 to 2.5	Pass
				30	3.86	-2.406	-0.0013	-2.5 to 2.5	Pass
				40	3.86	0.161	0.0001	-2.5 to 2.5	Pass
				50	3.86	-2.304	-0.0012	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.5	-5.989	-0.0031	-2.5 to 2.5	Pass
					3.86	-1.885	-0.0010	-2.5 to 2.5	Pass
					4.45	-6.012	-0.0032	-2.5 to 2.5	Pass
				-30	3.86	-9.412	-0.0049	-2.5 to 2.5	Pass
				-20	3.86	-3.051	-0.0016	-2.5 to 2.5	Pass
				-10	3.86	-5.252	-0.0028	-2.5 to 2.5	Pass
				0	3.86	-6.627	-0.0035	-2.5 to 2.5	Pass
				10	3.86	-4.044	-0.0021	-2.5 to 2.5	Pass
				30	3.86	-8.439	-0.0044	-2.5 to 2.5	Pass
				40	3.86	-7.375	-0.0039	-2.5 to 2.5	Pass

				50	3.86	-6.653	-0.0035	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.5	-0.258	-0.0001	-2.5 to 2.5	Pass
					3.86	-12.101	-0.0065	-2.5 to 2.5	Pass
					4.45	-5.702	-0.0031	-2.5 to 2.5	Pass
					-30	3.86	-2.938	-0.0016	-2.5 to 2.5
				-20	3.86	-7.233	-0.0039	-2.5 to 2.5	Pass
				-10	3.86	-4.215	-0.0023	-2.5 to 2.5	Pass
				0	3.86	-6.471	-0.0035	-2.5 to 2.5	Pass
				10	3.86	-6.554	-0.0035	-2.5 to 2.5	Pass
				30	3.86	-7.724	-0.0042	-2.5 to 2.5	Pass
				40	3.86	-7.972	-0.0043	-2.5 to 2.5	Pass
	50	3.86	-7.086	-0.0038	-2.5 to 2.5	Pass			
	1880	25	0	20	3.5	-2.556	-0.0014	-2.5 to 2.5	Pass
					3.86	-5.681	-0.0030	-2.5 to 2.5	Pass
					4.45	1.342	0.0007	-2.5 to 2.5	Pass
				-30	3.86	-8.165	-0.0043	-2.5 to 2.5	Pass
				-20	3.86	-1.787	-0.0010	-2.5 to 2.5	Pass
				-10	3.86	-1.599	-0.0009	-2.5 to 2.5	Pass
				0	3.86	-4.624	-0.0025	-2.5 to 2.5	Pass
				10	3.86	-2.732	-0.0015	-2.5 to 2.5	Pass
				30	3.86	-9.087	-0.0048	-2.5 to 2.5	Pass
				40	3.86	-0.180	-0.0001	-2.5 to 2.5	Pass
	50	3.86	-7.632	-0.0041	-2.5 to 2.5	Pass			
	1907.5	25	0	20	3.5	-8.335	-0.0044	-2.5 to 2.5	Pass
					3.86	-2.056	-0.0011	-2.5 to 2.5	Pass
					4.45	1.225	0.0006	-2.5 to 2.5	Pass
				-30	3.86	-6.391	-0.0034	-2.5 to 2.5	Pass
				-20	3.86	-9.151	-0.0048	-2.5 to 2.5	Pass
				-10	3.86	-4.170	-0.0022	-2.5 to 2.5	Pass
				0	3.86	-6.411	-0.0034	-2.5 to 2.5	Pass
				10	3.86	-3.338	-0.0017	-2.5 to 2.5	Pass
				30	3.86	-1.346	-0.0007	-2.5 to 2.5	Pass
				40	3.86	-2.270	-0.0012	-2.5 to 2.5	Pass
	50	3.86	-1.427	-0.0007	-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	3.5	2.551	0.0014	-2.5 to 2.5	Pass
					3.86	0.157	0.0001	-2.5 to 2.5	Pass
					4.45	-3.611	-0.0019	-2.5 to 2.5	Pass
				-30	3.86	0.290	0.0002	-2.5 to 2.5	Pass
				-20	3.86	-2.590	-0.0014	-2.5 to 2.5	Pass
				-10	3.86	0.116	0.0001	-2.5 to 2.5	Pass
				0	3.86	-3.657	-0.0020	-2.5 to 2.5	Pass
				10	3.86	-2.509	-0.0014	-2.5 to 2.5	Pass
				30	3.86	-3.286	-0.0018	-2.5 to 2.5	Pass
				40	3.86	-5.339	-0.0029	-2.5 to 2.5	Pass
				50	3.86	-7.586	-0.0041	-2.5 to 2.5	Pass
	1880	50	0	20	3.5	-8.632	-0.0046	-2.5 to 2.5	Pass
					3.86	-8.131	-0.0043	-2.5 to 2.5	Pass
					4.45	-4.419	-0.0024	-2.5 to 2.5	Pass
				-30	3.86	-2.224	-0.0012	-2.5 to 2.5	Pass

				-20	3.86	-7.440	-0.0040	-2.5 to 2.5	Pass
				-10	3.86	-5.378	-0.0029	-2.5 to 2.5	Pass
				0	3.86	-7.854	-0.0042	-2.5 to 2.5	Pass
				10	3.86	-8.964	-0.0048	-2.5 to 2.5	Pass
				30	3.86	-6.729	-0.0036	-2.5 to 2.5	Pass
				40	3.86	-7.471	-0.0040	-2.5 to 2.5	Pass
				50	3.86	-4.457	-0.0024	-2.5 to 2.5	Pass
	1905	50	0	20	3.5	-7.517	-0.0039	-2.5 to 2.5	Pass
					3.86	-5.348	-0.0028	-2.5 to 2.5	Pass
					4.45	-3.730	-0.0020	-2.5 to 2.5	Pass
				-30	3.86	-2.844	-0.0015	-2.5 to 2.5	Pass
				-20	3.86	-2.517	-0.0013	-2.5 to 2.5	Pass
				-10	3.86	-5.302	-0.0028	-2.5 to 2.5	Pass
				0	3.86	-7.295	-0.0038	-2.5 to 2.5	Pass
				10	3.86	-9.519	-0.0050	-2.5 to 2.5	Pass
				30	3.86	-9.000	-0.0047	-2.5 to 2.5	Pass
				40	3.86	-6.312	-0.0033	-2.5 to 2.5	Pass
				50	3.86	-5.462	-0.0029	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.5	-3.481	-0.0019	-2.5 to 2.5	Pass
					3.86	-6.882	-0.0037	-2.5 to 2.5	Pass
					4.45	-7.647	-0.0041	-2.5 to 2.5	Pass
				-30	3.86	-8.011	-0.0043	-2.5 to 2.5	Pass
				-20	3.86	0.872	0.0005	-2.5 to 2.5	Pass
				-10	3.86	-4.757	-0.0026	-2.5 to 2.5	Pass
				0	3.86	-1.069	-0.0006	-2.5 to 2.5	Pass
				10	3.86	0.486	0.0003	-2.5 to 2.5	Pass
				30	3.86	-0.883	-0.0005	-2.5 to 2.5	Pass
				40	3.86	-1.276	-0.0007	-2.5 to 2.5	Pass
				50	3.86	-0.349	-0.0002	-2.5 to 2.5	Pass
	1880	50	0	20	3.5	-9.337	-0.0050	-2.5 to 2.5	Pass
					3.86	-5.492	-0.0029	-2.5 to 2.5	Pass
					4.45	-11.674	-0.0062	-2.5 to 2.5	Pass
				-30	3.86	-4.512	-0.0024	-2.5 to 2.5	Pass
				-20	3.86	-9.217	-0.0049	-2.5 to 2.5	Pass
				-10	3.86	-9.482	-0.0050	-2.5 to 2.5	Pass
				0	3.86	-5.148	-0.0027	-2.5 to 2.5	Pass
				10	3.86	-2.915	-0.0016	-2.5 to 2.5	Pass
				30	3.86	-3.007	-0.0016	-2.5 to 2.5	Pass
				40	3.86	-8.589	-0.0046	-2.5 to 2.5	Pass
				50	3.86	-6.537	-0.0035	-2.5 to 2.5	Pass
	1905	50	0	20	3.5	-3.164	-0.0017	-2.5 to 2.5	Pass
					3.86	-4.872	-0.0026	-2.5 to 2.5	Pass
					4.45	-7.813	-0.0041	-2.5 to 2.5	Pass
				-30	3.86	-8.940	-0.0047	-2.5 to 2.5	Pass
				-20	3.86	-6.665	-0.0035	-2.5 to 2.5	Pass
				-10	3.86	-3.691	-0.0019	-2.5 to 2.5	Pass
				0	3.86	-9.552	-0.0050	-2.5 to 2.5	Pass
				10	3.86	-9.443	-0.0050	-2.5 to 2.5	Pass
				30	3.86	-6.819	-0.0036	-2.5 to 2.5	Pass
				40	3.86	-6.732	-0.0035	-2.5 to 2.5	Pass
				50	3.86	-9.264	-0.0049	-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	3.5	-2.333	-0.0013	-2.5 to 2.5	Pass
					3.86	-3.51	-0.0018	-2.5 to 2.5	Pass
					4.45	-5.068	-0.0027	-2.5 to 2.5	Pass
				-30	3.86	-1.259	-0.0007	-2.5 to 2.5	Pass
				-20	3.86	-4.710	-0.0025	-2.5 to 2.5	Pass
				-10	3.86	-5.105	-0.0027	-2.5 to 2.5	Pass
				0	3.86	1.248	0.0007	-2.5 to 2.5	Pass
				10	3.86	-1.762	-0.0009	-2.5 to 2.5	Pass
				30	3.86	-0.366	-0.0002	-2.5 to 2.5	Pass
				40	3.86	2.050	0.0011	-2.5 to 2.5	Pass
				50	3.86	-0.963	-0.0005	-2.5 to 2.5	Pass
	1880	75	0	20	3.5	-10.550	-0.0056	-2.5 to 2.5	Pass
					3.86	-9.174	-0.0049	-2.5 to 2.5	Pass
					4.45	-5.070	-0.0027	-2.5 to 2.5	Pass
				-30	3.86	-7.199	-0.0038	-2.5 to 2.5	Pass
				-20	3.86	-6.656	-0.0035	-2.5 to 2.5	Pass
				-10	3.86	-3.487	-0.0019	-2.5 to 2.5	Pass
				0	3.86	-7.635	-0.0041	-2.5 to 2.5	Pass
				10	3.86	-4.279	-0.0023	-2.5 to 2.5	Pass
				30	3.86	-9.144	-0.0049	-2.5 to 2.5	Pass
				40	3.86	-9.328	-0.0050	-2.5 to 2.5	Pass
				50	3.86	-4.974	-0.0026	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.5	-6.843	-0.0036	-2.5 to 2.5	Pass
					3.86	-7.925	-0.0042	-2.5 to 2.5	Pass
					4.45	-7.848	-0.0041	-2.5 to 2.5	Pass
				-30	3.86	-5.039	-0.0026	-2.5 to 2.5	Pass
				-20	3.86	-5.991	-0.0031	-2.5 to 2.5	Pass
				-10	3.86	-5.537	-0.0029	-2.5 to 2.5	Pass
				0	3.86	-4.393	-0.0023	-2.5 to 2.5	Pass
				10	3.86	-9.158	-0.0048	-2.5 to 2.5	Pass
				30	3.86	-9.904	-0.0052	-2.5 to 2.5	Pass
				40	3.86	-5.665	-0.0030	-2.5 to 2.5	Pass
				50	3.86	-7.718	-0.0041	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.5	-1.083	-0.0006	-2.5 to 2.5	Pass
					3.86	-2.233	-0.0012	-2.5 to 2.5	Pass
					4.45	-3.529	-0.0019	-2.5 to 2.5	Pass
				-30	3.86	1.187	0.0006	-2.5 to 2.5	Pass
				-20	3.86	-0.687	-0.0004	-2.5 to 2.5	Pass
				-10	3.86	0.013	0.0000	-2.5 to 2.5	Pass
				0	3.86	-4.499	-0.0024	-2.5 to 2.5	Pass
				10	3.86	-1.467	-0.0008	-2.5 to 2.5	Pass
				30	3.86	-2.217	-0.0012	-2.5 to 2.5	Pass
				40	3.86	-6.970	-0.0038	-2.5 to 2.5	Pass
				50	3.86	-2.254	-0.0012	-2.5 to 2.5	Pass
	1880	75	0	20	3.5	-13.748	-0.0073	-2.5 to 2.5	Pass
					3.86	-7.502	-0.0040	-2.5 to 2.5	Pass
					4.45	-16.562	-0.0088	-2.5 to 2.5	Pass
				-30	3.86	-9.044	-0.0048	-2.5 to 2.5	Pass
				-20	3.86	-12.631	-0.0067	-2.5 to 2.5	Pass
				-10	3.86	-13.860	-0.0074	-2.5 to 2.5	Pass
				0	3.86	-10.164	-0.0054	-2.5 to 2.5	Pass
				10	3.86	-9.524	-0.0051	-2.5 to 2.5	Pass
				30	3.86	-6.409	-0.0034	-2.5 to 2.5	Pass
				40	3.86	-8.876	-0.0047	-2.5 to 2.5	Pass
				50	3.86	-9.054	-0.0048	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.5	-8.943	-0.0047	-2.5 to 2.5	Pass
					3.86	-7.477	-0.0039	-2.5 to 2.5	Pass

					4.45	-5.774	-0.0030	-2.5 to 2.5	Pass
				-30	3.86	-4.116	-0.0022	-2.5 to 2.5	Pass
				-20	3.86	-7.282	-0.0038	-2.5 to 2.5	Pass
				-10	3.86	-2.179	-0.0011	-2.5 to 2.5	Pass
				0	3.86	-7.681	-0.0040	-2.5 to 2.5	Pass
				10	3.86	-5.116	-0.0027	-2.5 to 2.5	Pass
				30	3.86	-7.793	-0.0041	-2.5 to 2.5	Pass
				40	3.86	-13.485	-0.0071	-2.5 to 2.5	Pass
				50	3.86	-11.796	-0.0062	-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	3.5	2.386	0.0013	-2.5 to 2.5	Pass
					3.86	-2.193	-0.0012	-2.5 to 2.5	Pass
					4.45	-2.978	-0.0016	-2.5 to 2.5	Pass
				-30	3.86	-1.988	-0.0011	-2.5 to 2.5	Pass
				-20	3.86	3.635	0.0020	-2.5 to 2.5	Pass
				-10	3.86	-3.157	-0.0017	-2.5 to 2.5	Pass
				0	3.86	-1.158	-0.0006	-2.5 to 2.5	Pass
				10	3.86	-4.175	-0.0022	-2.5 to 2.5	Pass
				30	3.86	1.690	0.0009	-2.5 to 2.5	Pass
				40	3.86	-0.286	-0.0002	-2.5 to 2.5	Pass
				50	3.86	-1.769	-0.0010	-2.5 to 2.5	Pass
	1880	100	0	20	3.5	-4.051	-0.0022	-2.5 to 2.5	Pass
					3.86	-5.180	-0.0028	-2.5 to 2.5	Pass
					4.45	-2.970	-0.0016	-2.5 to 2.5	Pass
				-30	3.86	-5.227	-0.0028	-2.5 to 2.5	Pass
				-20	3.86	-7.654	-0.0041	-2.5 to 2.5	Pass
				-10	3.86	-9.952	-0.0053	-2.5 to 2.5	Pass
				0	3.86	-9.551	-0.0051	-2.5 to 2.5	Pass
				10	3.86	-8.289	-0.0044	-2.5 to 2.5	Pass
				30	3.86	-5.026	-0.0027	-2.5 to 2.5	Pass
				40	3.86	-4.123	-0.0022	-2.5 to 2.5	Pass
				50	3.86	-7.450	-0.0040	-2.5 to 2.5	Pass
	1900	100	0	20	3.5	1.931	0.0010	-2.5 to 2.5	Pass
					3.86	-4.571	-0.0024	-2.5 to 2.5	Pass
					4.45	-0.646	-0.0003	-2.5 to 2.5	Pass
				-30	3.86	-2.267	-0.0012	-2.5 to 2.5	Pass
				-20	3.86	-1.144	-0.0006	-2.5 to 2.5	Pass
				-10	3.86	1.556	0.0008	-2.5 to 2.5	Pass
				0	3.86	2.852	0.0015	-2.5 to 2.5	Pass
				10	3.86	-9.463	-0.0050	-2.5 to 2.5	Pass
				30	3.86	-0.185	-0.0001	-2.5 to 2.5	Pass
				40	3.86	-2.568	-0.0014	-2.5 to 2.5	Pass
				50	3.86	-2.339	-0.0012	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.5	4.031	0.0022	-2.5 to 2.5	Pass
					3.86	3.316	0.0018	-2.5 to 2.5	Pass
					4.45	1.261	0.0007	-2.5 to 2.5	Pass
				-30	3.86	-2.207	-0.0012	-2.5 to 2.5	Pass
				-20	3.86	-4.166	-0.0022	-2.5 to 2.5	Pass
				-10	3.86	1.896	0.0010	-2.5 to 2.5	Pass
				0	3.86	0.094	0.0001	-2.5 to 2.5	Pass

				10	3.86	-2.499	-0.0013	-2.5 to 2.5	Pass
				30	3.86	0.996	0.0005	-2.5 to 2.5	Pass
				40	3.86	-4.180	-0.0022	-2.5 to 2.5	Pass
				50	3.86	0.680	0.0004	-2.5 to 2.5	Pass
	1880	100	0	20	3.5	-3.623	-0.0019	-2.5 to 2.5	Pass
					3.86	-8.355	-0.0044	-2.5 to 2.5	Pass
					4.45	-8.700	-0.0046	-2.5 to 2.5	Pass
				-30	3.86	-7.802	-0.0042	-2.5 to 2.5	Pass
				-20	3.86	-3.323	-0.0018	-2.5 to 2.5	Pass
				-10	3.86	-3.866	-0.0021	-2.5 to 2.5	Pass
				0	3.86	-1.727	-0.0009	-2.5 to 2.5	Pass
				10	3.86	-4.067	-0.0022	-2.5 to 2.5	Pass
				30	3.86	-5.568	-0.0030	-2.5 to 2.5	Pass
				40	3.86	-5.492	-0.0029	-2.5 to 2.5	Pass
				50	3.86	-7.025	-0.0037	-2.5 to 2.5	Pass
	1900	100	0	20	3.5	-6.994	-0.0037	-2.5 to 2.5	Pass
					3.86	-5.648	-0.0030	-2.5 to 2.5	Pass
					4.45	-2.707	-0.0014	-2.5 to 2.5	Pass
				-30	3.86	-1.449	-0.0008	-2.5 to 2.5	Pass
				-20	3.86	0.276	0.0001	-2.5 to 2.5	Pass
				-10	3.86	-8.119	-0.0043	-2.5 to 2.5	Pass
				0	3.86	-4.311	-0.0023	-2.5 to 2.5	Pass
				10	3.86	-4.240	-0.0022	-2.5 to 2.5	Pass
				30	3.86	-0.634	-0.0003	-2.5 to 2.5	Pass
				40	3.86	-7.219	-0.0038	-2.5 to 2.5	Pass
				50	3.86	-2.297	-0.0012	-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	3.5	-6.397	-0.0037	-2.5 to 2.5	Pass
					3.86	-3.502	-0.0020	-2.5 to 2.5	Pass
					4.45	-3.867	-0.0023	-2.5 to 2.5	Pass
				-30	3.86	-4.093	-0.0024	-2.5 to 2.5	Pass
				-20	3.86	-7.449	-0.0044	-2.5 to 2.5	Pass
				-10	3.86	-3.718	-0.0022	-2.5 to 2.5	Pass
				0	3.86	-3.883	-0.0023	-2.5 to 2.5	Pass
				10	3.86	-3.868	-0.0023	-2.5 to 2.5	Pass
				30	3.86	-3.297	-0.0019	-2.5 to 2.5	Pass
				40	3.86	-0.794	-0.0005	-2.5 to 2.5	Pass
				50	3.86	-0.217	-0.0001	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.5	-6.858	-0.0040	-2.5 to 2.5	Pass
					3.86	-6.602	-0.0038	-2.5 to 2.5	Pass
					4.45	-5.296	-0.0031	-2.5 to 2.5	Pass
				-30	3.86	-4.625	-0.0027	-2.5 to 2.5	Pass
				-20	3.86	-1.440	-0.0008	-2.5 to 2.5	Pass
				-10	3.86	-3.020	-0.0017	-2.5 to 2.5	Pass
				0	3.86	-2.347	-0.0014	-2.5 to 2.5	Pass
				10	3.86	-6.944	-0.0040	-2.5 to 2.5	Pass
				30	3.86	-6.704	-0.0039	-2.5 to 2.5	Pass

	1754.3	6	0	40	3.86	-4.234	-0.0024	-2.5 to 2.5	Pass
				50	3.86	-2.473	-0.0014	-2.5 to 2.5	Pass
				20	3.5	-3.378	-0.0019	-2.5 to 2.5	Pass
					3.86	1.272	0.0007	-2.5 to 2.5	Pass
					4.45	-2.108	-0.0012	-2.5 to 2.5	Pass
				-30	3.86	-5.240	-0.0030	-2.5 to 2.5	Pass
				-20	3.86	3.452	0.0020	-2.5 to 2.5	Pass
				-10	3.86	-1.786	-0.0010	-2.5 to 2.5	Pass
				0	3.86	-0.949	-0.0005	-2.5 to 2.5	Pass
				10	3.86	-2.354	-0.0013	-2.5 to 2.5	Pass
				30	3.86	-4.277	-0.0024	-2.5 to 2.5	Pass
				40	3.86	-2.893	-0.0016	-2.5 to 2.5	Pass
				50	3.86	-0.302	-0.0002	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.5	-3.066	-0.0018	-2.5 to 2.5	Pass
					3.86	-1.258	-0.0007	-2.5 to 2.5	Pass
					4.45	-6.686	-0.0039	-2.5 to 2.5	Pass
				-30	3.86	-7.140	-0.0042	-2.5 to 2.5	Pass
				-20	3.86	-3.116	-0.0018	-2.5 to 2.5	Pass
				-10	3.86	-2.666	-0.0016	-2.5 to 2.5	Pass
				0	3.86	-4.395	-0.0026	-2.5 to 2.5	Pass
				10	3.86	-6.936	-0.0041	-2.5 to 2.5	Pass
				30	3.86	-0.767	-0.0004	-2.5 to 2.5	Pass
				40	3.86	-4.494	-0.0026	-2.5 to 2.5	Pass
				50	3.86	-4.050	-0.0024	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.5	-5.152	-0.0030	-2.5 to 2.5	Pass
					3.86	-7.553	-0.0044	-2.5 to 2.5	Pass
					4.45	-6.389	-0.0037	-2.5 to 2.5	Pass
				-30	3.86	-4.451	-0.0026	-2.5 to 2.5	Pass
				-20	3.86	-3.839	-0.0022	-2.5 to 2.5	Pass
				-10	3.86	-4.720	-0.0027	-2.5 to 2.5	Pass
				0	3.86	-2.089	-0.0012	-2.5 to 2.5	Pass
				10	3.86	-6.694	-0.0039	-2.5 to 2.5	Pass
				30	3.86	-6.431	-0.0037	-2.5 to 2.5	Pass
				40	3.86	-5.380	-0.0031	-2.5 to 2.5	Pass
				50	3.86	-5.554	-0.0032	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.5	-2.171	-0.0012	-2.5 to 2.5	Pass
					3.86	-3.898	-0.0022	-2.5 to 2.5	Pass
					4.45	-8.400	-0.0048	-2.5 to 2.5	Pass
				-30	3.86	-1.810	-0.0010	-2.5 to 2.5	Pass
				-20	3.86	-4.295	-0.0024	-2.5 to 2.5	Pass
				-10	3.86	-9.066	-0.0052	-2.5 to 2.5	Pass
				0	3.86	0.615	0.0004	-2.5 to 2.5	Pass
				10	3.86	-4.004	-0.0023	-2.5 to 2.5	Pass
				30	3.86	-2.720	-0.0016	-2.5 to 2.5	Pass
				40	3.86	-2.679	-0.0015	-2.5 to 2.5	Pass
				50	3.86	-5.920	-0.0034	-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	3.5	0.062	0.0000	-2.5 to 2.5	Pass
					3.86	-1.197	-0.0007	-2.5 to 2.5	Pass
					4.45	-7.157	-0.0042	-2.5 to 2.5	Pass

				-30	3.86	-2.079	-0.0012	-2.5 to 2.5	Pass
				-20	3.86	-5.479	-0.0032	-2.5 to 2.5	Pass
				-10	3.86	-9.828	-0.0057	-2.5 to 2.5	Pass
				0	3.86	-1.013	-0.0006	-2.5 to 2.5	Pass
				10	3.86	-5.951	-0.0035	-2.5 to 2.5	Pass
				30	3.86	-1.621	-0.0009	-2.5 to 2.5	Pass
				40	3.86	-5.781	-0.0034	-2.5 to 2.5	Pass
				50	3.86	-0.541	-0.0003	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.5	-2.098	-0.0012	-2.5 to 2.5	Pass
					3.86	-2.336	-0.0013	-2.5 to 2.5	Pass
					4.45	-2.625	-0.0015	-2.5 to 2.5	Pass
				-30	3.86	-4.855	-0.0028	-2.5 to 2.5	Pass
				-20	3.86	-6.175	-0.0036	-2.5 to 2.5	Pass
				-10	3.86	-2.341	-0.0014	-2.5 to 2.5	Pass
				0	3.86	-8.162	-0.0047	-2.5 to 2.5	Pass
				10	3.86	-1.706	-0.0010	-2.5 to 2.5	Pass
				30	3.86	-7.688	-0.0044	-2.5 to 2.5	Pass
				40	3.86	-7.210	-0.0042	-2.5 to 2.5	Pass
				50	3.86	-1.545	-0.0009	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.5	-1.090	-0.0006	-2.5 to 2.5	Pass
					3.86	-3.589	-0.0020	-2.5 to 2.5	Pass
					4.45	-3.957	-0.0023	-2.5 to 2.5	Pass
				-30	3.86	-3.782	-0.0022	-2.5 to 2.5	Pass
				-20	3.86	-5.597	-0.0032	-2.5 to 2.5	Pass
				-10	3.86	-8.278	-0.0047	-2.5 to 2.5	Pass
				0	3.86	-2.896	-0.0017	-2.5 to 2.5	Pass
				10	3.86	-4.383	-0.0025	-2.5 to 2.5	Pass
				30	3.86	-2.852	-0.0016	-2.5 to 2.5	Pass
				40	3.86	-6.276	-0.0036	-2.5 to 2.5	Pass
				50	3.86	-2.956	-0.0017	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.5	-6.851	-0.0040	-2.5 to 2.5	Pass
					3.86	-6.540	-0.0038	-2.5 to 2.5	Pass
					4.45	-1.566	-0.0009	-2.5 to 2.5	Pass
				-30	3.86	-5.535	-0.0032	-2.5 to 2.5	Pass
				-20	3.86	-3.125	-0.0018	-2.5 to 2.5	Pass
				-10	3.86	-1.028	-0.0006	-2.5 to 2.5	Pass
				0	3.86	-4.822	-0.0028	-2.5 to 2.5	Pass
				10	3.86	-5.344	-0.0031	-2.5 to 2.5	Pass
				30	3.86	-8.793	-0.0051	-2.5 to 2.5	Pass
				40	3.86	-4.459	-0.0026	-2.5 to 2.5	Pass
				50	3.86	-3.616	-0.0021	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.5	-4.641	-0.0027	-2.5 to 2.5	Pass
					3.86	-3.226	-0.0019	-2.5 to 2.5	Pass
					4.45	-6.192	-0.0036	-2.5 to 2.5	Pass
				-30	3.86	-3.230	-0.0019	-2.5 to 2.5	Pass
				-20	3.86	-3.790	-0.0022	-2.5 to 2.5	Pass
				-10	3.86	-4.321	-0.0025	-2.5 to 2.5	Pass
				0	3.86	-4.238	-0.0024	-2.5 to 2.5	Pass
				10	3.86	-7.684	-0.0044	-2.5 to 2.5	Pass
				30	3.86	-3.370	-0.0019	-2.5 to 2.5	Pass
				40	3.86	-1.123	-0.0006	-2.5 to 2.5	Pass
				50	3.86	-6.072	-0.0035	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.5	-3.894	-0.0022	-2.5 to 2.5	Pass
					3.86	-7.566	-0.0043	-2.5 to 2.5	Pass
					4.45	-3.108	-0.0018	-2.5 to 2.5	Pass
				-30	3.86	-2.557	-0.0015	-2.5 to 2.5	Pass
				-20	3.86	-6.884	-0.0039	-2.5 to 2.5	Pass
				-10	3.86	-1.781	-0.0010	-2.5 to 2.5	Pass
				0	3.86	1.963	0.0011	-2.5 to 2.5	Pass

				10	3.86	-1.186	-0.0007	-2.5 to 2.5	Pass
				30	3.86	-2.930	-0.0017	-2.5 to 2.5	Pass
				40	3.86	-0.279	-0.0002	-2.5 to 2.5	Pass
				50	3.86	-3.659	-0.0021	-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	3.5	-4.295	-0.0025	-2.5 to 2.5	Pass
					3.86	-8.361	-0.0049	-2.5 to 2.5	Pass
					4.45	-2.651	-0.0015	-2.5 to 2.5	Pass
				-30	3.86	1.010	0.0006	-2.5 to 2.5	Pass
				-20	3.86	-0.763	-0.0004	-2.5 to 2.5	Pass
				-10	3.86	-6.036	-0.0035	-2.5 to 2.5	Pass
				0	3.86	0.072	0.0000	-2.5 to 2.5	Pass
				10	3.86	-1.218	-0.0007	-2.5 to 2.5	Pass
				30	3.86	-4.931	-0.0029	-2.5 to 2.5	Pass
				40	3.86	-6.274	-0.0037	-2.5 to 2.5	Pass
				50	3.86	-3.728	-0.0022	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.5	-3.810	-0.0022	-2.5 to 2.5	Pass
					3.86	-3.036	-0.0018	-2.5 to 2.5	Pass
					4.45	-3.357	-0.0019	-2.5 to 2.5	Pass
				-30	3.86	-3.481	-0.0020	-2.5 to 2.5	Pass
				-20	3.86	-2.251	-0.0013	-2.5 to 2.5	Pass
				-10	3.86	-5.345	-0.0031	-2.5 to 2.5	Pass
				0	3.86	-1.776	-0.0010	-2.5 to 2.5	Pass
				10	3.86	-3.000	-0.0017	-2.5 to 2.5	Pass
				30	3.86	-6.573	-0.0038	-2.5 to 2.5	Pass
				40	3.86	-1.265	-0.0007	-2.5 to 2.5	Pass
				50	3.86	-3.899	-0.0023	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.5	-11.737	-0.0067	-2.5 to 2.5	Pass
					3.86	-1.574	-0.0009	-2.5 to 2.5	Pass
					4.45	-8.593	-0.0049	-2.5 to 2.5	Pass
				-30	3.86	-5.697	-0.0033	-2.5 to 2.5	Pass
				-20	3.86	-4.246	-0.0024	-2.5 to 2.5	Pass
				-10	3.86	-9.099	-0.0052	-2.5 to 2.5	Pass
				0	3.86	-6.353	-0.0036	-2.5 to 2.5	Pass
				10	3.86	-4.627	-0.0026	-2.5 to 2.5	Pass
				30	3.86	-6.692	-0.0038	-2.5 to 2.5	Pass
				40	3.86	-2.504	-0.0014	-2.5 to 2.5	Pass
				50	3.86	-8.368	-0.0048	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.5	-2.008	-0.0012	-2.5 to 2.5	Pass
					3.86	-3.770	-0.0022	-2.5 to 2.5	Pass
					4.45	-1.418	-0.0008	-2.5 to 2.5	Pass
				-30	3.86	-0.458	-0.0003	-2.5 to 2.5	Pass
				-20	3.86	-2.806	-0.0016	-2.5 to 2.5	Pass
				-10	3.86	-8.846	-0.0052	-2.5 to 2.5	Pass
				0	3.86	-3.529	-0.0021	-2.5 to 2.5	Pass
				10	3.86	-3.093	-0.0018	-2.5 to 2.5	Pass
				30	3.86	2.006	0.0012	-2.5 to 2.5	Pass
				40	3.86	-3.184	-0.0019	-2.5 to 2.5	Pass
				50	3.86	-4.523	-0.0026	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.5	-3.765	-0.0022	-2.5 to 2.5	Pass

					3.86	0.014	0.0000	-2.5 to 2.5	Pass
					4.45	-5.094	-0.0029	-2.5 to 2.5	Pass
				-30	3.86	-6.131	-0.0035	-2.5 to 2.5	Pass
				-20	3.86	0.542	0.0003	-2.5 to 2.5	Pass
				-10	3.86	-2.899	-0.0017	-2.5 to 2.5	Pass
				0	3.86	-5.719	-0.0033	-2.5 to 2.5	Pass
				10	3.86	-6.535	-0.0038	-2.5 to 2.5	Pass
				30	3.86	-6.305	-0.0036	-2.5 to 2.5	Pass
				40	3.86	-7.912	-0.0046	-2.5 to 2.5	Pass
				50	3.86	-1.269	-0.0007	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.5	-7.446	-0.0042	-2.5 to 2.5	Pass
					3.86	-5.975	-0.0034	-2.5 to 2.5	Pass
					4.45	-3.048	-0.0017	-2.5 to 2.5	Pass
				-30	3.86	-2.467	-0.0014	-2.5 to 2.5	Pass
				-20	3.86	-3.760	-0.0021	-2.5 to 2.5	Pass
				-10	3.86	-4.718	-0.0027	-2.5 to 2.5	Pass
				0	3.86	-2.666	-0.0015	-2.5 to 2.5	Pass
				10	3.86	-6.150	-0.0035	-2.5 to 2.5	Pass
				30	3.86	-4.855	-0.0028	-2.5 to 2.5	Pass
				40	3.86	-2.713	-0.0015	-2.5 to 2.5	Pass
				50	3.86	-4.994	-0.0028	-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	3.5	-2.834	-0.0017	-2.5 to 2.5	Pass
					3.86	-4.782	-0.0028	-2.5 to 2.5	Pass
					4.45	-5.873	-0.0034	-2.5 to 2.5	Pass
				-30	3.86	-4.180	-0.0024	-2.5 to 2.5	Pass
				-20	3.86	-4.889	-0.0029	-2.5 to 2.5	Pass
				-10	3.86	-3.066	-0.0018	-2.5 to 2.5	Pass
				0	3.86	-6.064	-0.0035	-2.5 to 2.5	Pass
				10	3.86	-4.979	-0.0029	-2.5 to 2.5	Pass
				30	3.86	-5.164	-0.0030	-2.5 to 2.5	Pass
				40	3.86	-0.307	-0.0002	-2.5 to 2.5	Pass
				50	3.86	-5.850	-0.0034	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.5	-2.713	-0.0016	-2.5 to 2.5	Pass
					3.86	-5.622	-0.0032	-2.5 to 2.5	Pass
					4.45	-1.374	-0.0008	-2.5 to 2.5	Pass
				-30	3.86	-2.851	-0.0016	-2.5 to 2.5	Pass
				-20	3.86	-5.280	-0.0030	-2.5 to 2.5	Pass
				-10	3.86	-1.650	-0.0010	-2.5 to 2.5	Pass
				0	3.86	-0.770	-0.0004	-2.5 to 2.5	Pass
				10	3.86	-2.814	-0.0016	-2.5 to 2.5	Pass
				30	3.86	-9.049	-0.0052	-2.5 to 2.5	Pass
				40	3.86	-2.457	-0.0014	-2.5 to 2.5	Pass
				50	3.86	-8.089	-0.0047	-2.5 to 2.5	Pass
	1750	50	0	20	3.5	-5.198	-0.0030	-2.5 to 2.5	Pass
					3.86	-6.172	-0.0035	-2.5 to 2.5	Pass
					4.45	-3.961	-0.0023	-2.5 to 2.5	Pass
				-30	3.86	-1.498	-0.0009	-2.5 to 2.5	Pass
				-20	3.86	-4.393	-0.0025	-2.5 to 2.5	Pass
				-10	3.86	-0.650	-0.0004	-2.5 to 2.5	Pass

16QAM				0	3.86	-3.420	-0.0020	-2.5 to 2.5	Pass
				10	3.86	-2.936	-0.0017	-2.5 to 2.5	Pass
				30	3.86	-4.749	-0.0027	-2.5 to 2.5	Pass
				40	3.86	-3.895	-0.0022	-2.5 to 2.5	Pass
				50	3.86	-4.175	-0.0024	-2.5 to 2.5	Pass
	1715	50	0	20	3.5	-1.411	-0.0008	-2.5 to 2.5	Pass
					3.86	-4.593	-0.0027	-2.5 to 2.5	Pass
					4.45	-1.551	-0.0009	-2.5 to 2.5	Pass
				-30	3.86	-1.284	-0.0007	-2.5 to 2.5	Pass
				-20	3.86	-0.900	-0.0005	-2.5 to 2.5	Pass
				-10	3.86	-0.129	-0.0001	-2.5 to 2.5	Pass
				0	3.86	-6.376	-0.0037	-2.5 to 2.5	Pass
				10	3.86	-3.220	-0.0019	-2.5 to 2.5	Pass
				30	3.86	-6.019	-0.0035	-2.5 to 2.5	Pass
				40	3.86	-6.335	-0.0037	-2.5 to 2.5	Pass
				50	3.86	-5.200	-0.0030	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.5	-5.662	-0.0033	-2.5 to 2.5	Pass
					3.86	-0.360	-0.0002	-2.5 to 2.5	Pass
					4.45	-3.005	-0.0017	-2.5 to 2.5	Pass
				-30	3.86	-5.388	-0.0031	-2.5 to 2.5	Pass
				-20	3.86	-5.619	-0.0032	-2.5 to 2.5	Pass
				-10	3.86	-3.443	-0.0020	-2.5 to 2.5	Pass
				0	3.86	-3.197	-0.0018	-2.5 to 2.5	Pass
				10	3.86	-6.347	-0.0037	-2.5 to 2.5	Pass
				30	3.86	-3.526	-0.0020	-2.5 to 2.5	Pass
				40	3.86	-9.008	-0.0052	-2.5 to 2.5	Pass
				50	3.86	-4.535	-0.0026	-2.5 to 2.5	Pass
	1750	50	0	20	3.5	-1.429	-0.0008	-2.5 to 2.5	Pass
					3.86	-3.100	-0.0018	-2.5 to 2.5	Pass
					4.45	-7.818	-0.0045	-2.5 to 2.5	Pass
				-30	3.86	3.340	0.0019	-2.5 to 2.5	Pass
				-20	3.86	1.354	0.0008	-2.5 to 2.5	Pass
				-10	3.86	-2.383	-0.0014	-2.5 to 2.5	Pass
				0	3.86	-3.355	-0.0019	-2.5 to 2.5	Pass
				10	3.86	-0.971	-0.0006	-2.5 to 2.5	Pass
				30	3.86	-1.588	-0.0009	-2.5 to 2.5	Pass
				40	3.86	-5.221	-0.0030	-2.5 to 2.5	Pass
				50	3.86	1.407	0.0008	-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	3.5	-7.893	-0.0046	-2.5 to 2.5	Pass
					3.86	-8.784	-0.0051	-2.5 to 2.5	Pass
					4.45	-6.418	-0.0037	-2.5 to 2.5	Pass
				-30	3.86	-6.497	-0.0038	-2.5 to 2.5	Pass
				-20	3.86	0.454	0.0003	-2.5 to 2.5	Pass
				-10	3.86	-7.313	-0.0043	-2.5 to 2.5	Pass
				0	3.86	-7.925	-0.0046	-2.5 to 2.5	Pass
				10	3.86	-2.781	-0.0016	-2.5 to 2.5	Pass
				30	3.86	-4.858	-0.0028	-2.5 to 2.5	Pass
				40	3.86	-2.432	-0.0014	-2.5 to 2.5	Pass
				50	3.86	-6.817	-0.0040	-2.5 to 2.5	Pass

	1732.5	75	0	20	3.5	-5.267	-0.0030	-2.5 to 2.5	Pass
					3.86	-3.891	-0.0022	-2.5 to 2.5	Pass
					4.45	-3.809	-0.0022	-2.5 to 2.5	Pass
				-30	3.86	-4.406	-0.0025	-2.5 to 2.5	Pass
				-20	3.86	-1.302	-0.0008	-2.5 to 2.5	Pass
				-10	3.86	-4.383	-0.0025	-2.5 to 2.5	Pass
				0	3.86	-7.061	-0.0041	-2.5 to 2.5	Pass
				10	3.86	-0.898	-0.0005	-2.5 to 2.5	Pass
				30	3.86	-2.861	-0.0017	-2.5 to 2.5	Pass
				40	3.86	-8.053	-0.0046	-2.5 to 2.5	Pass
				50	3.86	-4.077	-0.0024	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.5	-7.739	-0.0044	-2.5 to 2.5	Pass
					3.86	-8.806	-0.0050	-2.5 to 2.5	Pass
					4.45	-7.769	-0.0044	-2.5 to 2.5	Pass
				-30	3.86	-2.831	-0.0016	-2.5 to 2.5	Pass
				-20	3.86	-3.50	-0.0019	-2.5 to 2.5	Pass
				-10	3.86	-1.952	-0.0011	-2.5 to 2.5	Pass
				0	3.86	-5.713	-0.0033	-2.5 to 2.5	Pass
				10	3.86	-5.416	-0.0031	-2.5 to 2.5	Pass
				30	3.86	-6.781	-0.0039	-2.5 to 2.5	Pass
				40	3.86	-6.758	-0.0039	-2.5 to 2.5	Pass
				50	3.86	-3.712	-0.0021	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.5	-11.159	-0.0065	-2.5 to 2.5	Pass
					3.86	-4.823	-0.0028	-2.5 to 2.5	Pass
					4.45	-5.991	-0.0035	-2.5 to 2.5	Pass
				-30	3.86	-5.642	-0.0033	-2.5 to 2.5	Pass
				-20	3.86	-1.386	-0.0008	-2.5 to 2.5	Pass
				-10	3.86	-2.901	-0.0017	-2.5 to 2.5	Pass
				0	3.86	-3.814	-0.0022	-2.5 to 2.5	Pass
				10	3.86	-11.273	-0.0066	-2.5 to 2.5	Pass
				30	3.86	-8.068	-0.0047	-2.5 to 2.5	Pass
				40	3.86	-4.846	-0.0028	-2.5 to 2.5	Pass
				50	3.86	-2.353	-0.0014	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.5	-2.678	-0.0015	-2.5 to 2.5	Pass
					3.86	-5.575	-0.0032	-2.5 to 2.5	Pass
					4.45	-6.734	-0.0039	-2.5 to 2.5	Pass
				-30	3.86	-5.008	-0.0029	-2.5 to 2.5	Pass
				-20	3.86	-4.653	-0.0027	-2.5 to 2.5	Pass
				-10	3.86	-4.950	-0.0029	-2.5 to 2.5	Pass
				0	3.86	-4.168	-0.0024	-2.5 to 2.5	Pass
				10	3.86	-7.900	-0.0046	-2.5 to 2.5	Pass
				30	3.86	-0.646	-0.0004	-2.5 to 2.5	Pass
				40	3.86	-5.074	-0.0029	-2.5 to 2.5	Pass
				50	3.86	-6.029	-0.0035	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.5	-5.103	-0.0029	-2.5 to 2.5	Pass
					3.86	-10.567	-0.0060	-2.5 to 2.5	Pass
					4.45	-7.302	-0.0042	-2.5 to 2.5	Pass
				-30	3.86	-4.494	-0.0026	-2.5 to 2.5	Pass
				-20	3.86	-2.767	-0.0016	-2.5 to 2.5	Pass
				-10	3.86	-4.122	-0.0024	-2.5 to 2.5	Pass
				0	3.86	-6.426	-0.0037	-2.5 to 2.5	Pass
				10	3.86	-7.231	-0.0041	-2.5 to 2.5	Pass
				30	3.86	-10.179	-0.0058	-2.5 to 2.5	Pass
				40	3.86	-3.322	-0.0019	-2.5 to 2.5	Pass
				50	3.86	-0.349	-0.0002	-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	3.5	-8.399	-0.0049	-2.5 to 2.5	Pass
					3.86	-8.361	-0.0049	-2.5 to 2.5	Pass
					4.45	-6.045	-0.0035	-2.5 to 2.5	Pass
				-30	3.86	-12.499	-0.0073	-2.5 to 2.5	Pass
				-20	3.86	-8.804	-0.0051	-2.5 to 2.5	Pass
				-10	3.86	-7.507	-0.0044	-2.5 to 2.5	Pass
				0	3.86	-6.171	-0.0036	-2.5 to 2.5	Pass
				10	3.86	-7.224	-0.0042	-2.5 to 2.5	Pass
				30	3.86	-6.701	-0.0039	-2.5 to 2.5	Pass
				40	3.86	-7.754	-0.0045	-2.5 to 2.5	Pass
				50	3.86	-12.313	-0.0072	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.5	-0.138	-0.0001	-2.5 to 2.5	Pass
					3.86	-6.228	-0.0036	-2.5 to 2.5	Pass
					4.45	-2.984	-0.0017	-2.5 to 2.5	Pass
				-30	3.86	-0.355	-0.0002	-2.5 to 2.5	Pass
				-20	3.86	-3.633	-0.0021	-2.5 to 2.5	Pass
				-10	3.86	-2.418	-0.0014	-2.5 to 2.5	Pass
				0	3.86	-2.492	-0.0014	-2.5 to 2.5	Pass
				10	3.86	-6.824	-0.0039	-2.5 to 2.5	Pass
				30	3.86	-3.949	-0.0023	-2.5 to 2.5	Pass
				40	3.86	-2.395	-0.0014	-2.5 to 2.5	Pass
				50	3.86	-4.181	-0.0024	-2.5 to 2.5	Pass
	1745	100	0	20	3.5	-11.223	-0.0064	-2.5 to 2.5	Pass
					3.86	-7.258	-0.0042	-2.5 to 2.5	Pass
					4.45	-5.819	-0.0033	-2.5 to 2.5	Pass
				-30	3.86	-4.402	-0.0025	-2.5 to 2.5	Pass
				-20	3.86	-0.934	-0.0005	-2.5 to 2.5	Pass
				-10	3.86	-2.630	-0.0015	-2.5 to 2.5	Pass
				0	3.86	-6.600	-0.0038	-2.5 to 2.5	Pass
				10	3.86	-5.601	-0.0032	-2.5 to 2.5	Pass
				30	3.86	-2.885	-0.0017	-2.5 to 2.5	Pass
				40	3.86	-2.081	-0.0012	-2.5 to 2.5	Pass
				50	3.86	-3.349	-0.0019	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.5	-10.472	-0.0061	-2.5 to 2.5	Pass
					3.86	-5.098	-0.0030	-2.5 to 2.5	Pass
					4.45	-6.187	-0.0036	-2.5 to 2.5	Pass
				-30	3.86	-5.355	-0.0031	-2.5 to 2.5	Pass
				-20	3.86	-4.602	-0.0027	-2.5 to 2.5	Pass
				-10	3.86	-4.800	-0.0028	-2.5 to 2.5	Pass
				0	3.86	-3.826	-0.0022	-2.5 to 2.5	Pass
				10	3.86	-4.537	-0.0026	-2.5 to 2.5	Pass
				30	3.86	-4.167	-0.0024	-2.5 to 2.5	Pass
				40	3.86	-5.505	-0.0032	-2.5 to 2.5	Pass
				50	3.86	-5.153	-0.0030	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.5	-4.768	-0.0028	-2.5 to 2.5	Pass
					3.86	-4.939	-0.0029	-2.5 to 2.5	Pass
					4.45	-7.925	-0.0046	-2.5 to 2.5	Pass
				-30	3.86	-1.651	-0.0010	-2.5 to 2.5	Pass
				-20	3.86	-4.209	-0.0024	-2.5 to 2.5	Pass
				-10	3.86	-0.847	-0.0005	-2.5 to 2.5	Pass
				0	3.86	-3.424	-0.0020	-2.5 to 2.5	Pass
				10	3.86	-3.841	-0.0022	-2.5 to 2.5	Pass
				30	3.86	-1.049	-0.0006	-2.5 to 2.5	Pass
				40	3.86	-6.785	-0.0039	-2.5 to 2.5	Pass

	1745	100	0	50	3.86	-1.615	-0.0009	-2.5 to 2.5	Pass
				20	3.5	-2.566	-0.0015	-2.5 to 2.5	Pass
					3.86	-3.060	-0.0018	-2.5 to 2.5	Pass
					4.45	-9.042	-0.0052	-2.5 to 2.5	Pass
				-30	3.86	-4.462	-0.0026	-2.5 to 2.5	Pass
				-20	3.86	1.276	0.0007	-2.5 to 2.5	Pass
				-10	3.86	-6.995	-0.0040	-2.5 to 2.5	Pass
				0	3.86	-5.086	-0.0029	-2.5 to 2.5	Pass
				10	3.86	-2.109	-0.0012	-2.5 to 2.5	Pass
				30	3.86	-4.014	-0.0023	-2.5 to 2.5	Pass
				40	3.86	-5.575	-0.0032	-2.5 to 2.5	Pass
				50	3.86	-3.020	-0.0017	-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	3.5	-3.246	-0.0039	-2.5 to 2.5	Pass
					3.86	1.749	0.0021	-2.5 to 2.5	Pass
					4.45	-3.898	-0.0047	-2.5 to 2.5	Pass
				-30	3.86	-6.679	-0.0081	-2.5 to 2.5	Pass
				-20	3.86	-7.302	-0.0089	-2.5 to 2.5	Pass
				-10	3.86	-5.154	-0.0062	-2.5 to 2.5	Pass
				0	3.86	-6.990	-0.0085	-2.5 to 2.5	Pass
				10	3.86	-5.544	-0.0067	-2.5 to 2.5	Pass
				30	3.86	-3.760	-0.0046	-2.5 to 2.5	Pass
				40	3.86	-4.776	-0.0058	-2.5 to 2.5	Pass
				50	3.86	-8.402	-0.0102	-2.5 to 2.5	Pass
	836.5	6	0	20	3.5	-7.351	-0.0088	-2.5 to 2.5	Pass
					3.86	-4.346	-0.0052	-2.5 to 2.5	Pass
					4.45	-0.922	-0.0011	-2.5 to 2.5	Pass
				-30	3.86	-7.187	-0.0086	-2.5 to 2.5	Pass
				-20	3.86	-3.119	-0.0037	-2.5 to 2.5	Pass
				-10	3.86	-3.548	-0.0042	-2.5 to 2.5	Pass
				0	3.86	-5.785	-0.0069	-2.5 to 2.5	Pass
				10	3.86	-4.442	-0.0053	-2.5 to 2.5	Pass
				30	3.86	-7.162	-0.0086	-2.5 to 2.5	Pass
				40	3.86	1.392	0.0017	-2.5 to 2.5	Pass
				50	3.86	-8.483	-0.0101	-2.5 to 2.5	Pass
	848.3	6	0	20	3.5	-4.282	-0.0050	-2.5 to 2.5	Pass
					3.86	-5.522	-0.0065	-2.5 to 2.5	Pass
					4.45	-3.251	-0.0038	-2.5 to 2.5	Pass
				-30	3.86	-6.268	-0.0074	-2.5 to 2.5	Pass
				-20	3.86	-4.755	-0.0056	-2.5 to 2.5	Pass
				-10	3.86	-4.482	-0.0053	-2.5 to 2.5	Pass
				0	3.86	-6.629	-0.0078	-2.5 to 2.5	Pass
				10	3.86	-8.571	-0.0101	-2.5 to 2.5	Pass
				30	3.86	-4.558	-0.0054	-2.5 to 2.5	Pass
				40	3.86	-3.375	-0.0040	-2.5 to 2.5	Pass
				50	3.86	-0.538	-0.0006	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.5	-5.150	-0.0062	-2.5 to 2.5	Pass

					3.86	-6.241	-0.0076	-2.5 to 2.5	Pass
					4.45	-5.463	-0.0066	-2.5 to 2.5	Pass
				-30	3.86	-6.478	-0.0079	-2.5 to 2.5	Pass
				-20	3.86	-3.625	-0.0044	-2.5 to 2.5	Pass
				-10	3.86	-4.329	-0.0052	-2.5 to 2.5	Pass
				0	3.86	-3.739	-0.0045	-2.5 to 2.5	Pass
				10	3.86	-8.824	-0.0107	-2.5 to 2.5	Pass
				30	3.86	-3.752	-0.0045	-2.5 to 2.5	Pass
				40	3.86	-3.895	-0.0047	-2.5 to 2.5	Pass
				50	3.86	-9.035	-0.0110	-2.5 to 2.5	Pass
	836.5	6	0	20	3.5	-5.204	-0.0062	-2.5 to 2.5	Pass
					3.86	-2.689	-0.0032	-2.5 to 2.5	Pass
					4.45	-6.586	-0.0079	-2.5 to 2.5	Pass
				-30	3.86	-4.499	-0.0054	-2.5 to 2.5	Pass
				-20	3.86	-2.309	-0.0028	-2.5 to 2.5	Pass
				-10	3.86	-5.536	-0.0066	-2.5 to 2.5	Pass
				0	3.86	-7.829	-0.0094	-2.5 to 2.5	Pass
				10	3.86	-7.107	-0.0085	-2.5 to 2.5	Pass
				30	3.86	-6.023	-0.0072	-2.5 to 2.5	Pass
				40	3.86	-5.077	-0.0061	-2.5 to 2.5	Pass
				50	3.86	-9.046	-0.0108	-2.5 to 2.5	Pass
	848.3	6	0	20	3.5	-2.822	-0.0033	-2.5 to 2.5	Pass
					3.86	-6.467	-0.0076	-2.5 to 2.5	Pass
					4.45	-8.514	-0.0100	-2.5 to 2.5	Pass
				-30	3.86	-7.201	-0.0085	-2.5 to 2.5	Pass
				-20	3.86	-8.169	-0.0096	-2.5 to 2.5	Pass
				-10	3.86	-3.661	-0.0043	-2.5 to 2.5	Pass
				0	3.86	-3.963	-0.0047	-2.5 to 2.5	Pass
				10	3.86	-1.956	-0.0023	-2.5 to 2.5	Pass
				30	3.86	-5.005	-0.0059	-2.5 to 2.5	Pass
				40	3.86	-3.012	-0.0036	-2.5 to 2.5	Pass
				50	3.86	-1.518	-0.0018	-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	3.5	-6.113	-0.0074	-2.5 to 2.5	Pass
					3.86	-7.088	-0.0086	-2.5 to 2.5	Pass
					4.45	-6.014	-0.0073	-2.5 to 2.5	Pass
				-30	3.86	-6.550	-0.0079	-2.5 to 2.5	Pass
				-20	3.86	-7.235	-0.0088	-2.5 to 2.5	Pass
				-10	3.86	-2.186	-0.0026	-2.5 to 2.5	Pass
				0	3.86	-2.684	-0.0033	-2.5 to 2.5	Pass
				10	3.86	-2.306	-0.0028	-2.5 to 2.5	Pass
				30	3.86	-3.085	-0.0037	-2.5 to 2.5	Pass
				40	3.86	-5.066	-0.0061	-2.5 to 2.5	Pass
				50	3.86	-11.621	-0.0141	-2.5 to 2.5	Pass
	836.5	15	0	20	3.5	-4.207	-0.0050	-2.5 to 2.5	Pass
					3.86	-7.578	-0.0091	-2.5 to 2.5	Pass
					4.45	-8.513	-0.0102	-2.5 to 2.5	Pass
				-30	3.86	-4.849	-0.0058	-2.5 to 2.5	Pass
				-20	3.86	-8.509	-0.0102	-2.5 to 2.5	Pass
				-10	3.86	-3.816	-0.0046	-2.5 to 2.5	Pass

				0	3.86	-5.597	-0.0067	-2.5 to 2.5	Pass
				10	3.86	-6.814	-0.0081	-2.5 to 2.5	Pass
				30	3.86	-3.425	-0.0041	-2.5 to 2.5	Pass
				40	3.86	-7.159	-0.0086	-2.5 to 2.5	Pass
				50	3.86	-9.481	-0.0113	-2.5 to 2.5	Pass
	847.5	15	0	20	3.5	-8.227	-0.0097	-2.5 to 2.5	Pass
					3.86	-5.544	-0.0065	-2.5 to 2.5	Pass
					4.45	-6.635	-0.0078	-2.5 to 2.5	Pass
				-30	3.86	-7.106	-0.0084	-2.5 to 2.5	Pass
				-20	3.86	-7.178	-0.0085	-2.5 to 2.5	Pass
				-10	3.86	-6.804	-0.0080	-2.5 to 2.5	Pass
				0	3.86	-4.863	-0.0057	-2.5 to 2.5	Pass
				10	3.86	-5.551	-0.0065	-2.5 to 2.5	Pass
				30	3.86	-1.780	-0.0021	-2.5 to 2.5	Pass
				40	3.86	-0.566	-0.0007	-2.5 to 2.5	Pass
				50	3.86	-5.777	-0.0068	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.5	-4.849	-0.0059	-2.5 to 2.5	Pass
					3.86	-2.376	-0.0029	-2.5 to 2.5	Pass
					4.45	-4.353	-0.0053	-2.5 to 2.5	Pass
				-30	3.86	-7.162	-0.0087	-2.5 to 2.5	Pass
				-20	3.86	-7.127	-0.0086	-2.5 to 2.5	Pass
				-10	3.86	-2.206	-0.0027	-2.5 to 2.5	Pass
				0	3.86	-4.706	-0.0057	-2.5 to 2.5	Pass
				10	3.86	-2.320	-0.0028	-2.5 to 2.5	Pass
				30	3.86	-4.869	-0.0059	-2.5 to 2.5	Pass
				40	3.86	-5.694	-0.0069	-2.5 to 2.5	Pass
				50	3.86	-4.258	-0.0052	-2.5 to 2.5	Pass
	836.5	15	0	20	3.5	-5.883	-0.0070	-2.5 to 2.5	Pass
					3.86	-3.092	-0.0037	-2.5 to 2.5	Pass
					4.45	-4.457	-0.0053	-2.5 to 2.5	Pass
				-30	3.86	-2.801	-0.0033	-2.5 to 2.5	Pass
				-20	3.86	-3.627	-0.0043	-2.5 to 2.5	Pass
				-10	3.86	-4.773	-0.0057	-2.5 to 2.5	Pass
				0	3.86	-4.078	-0.0049	-2.5 to 2.5	Pass
				10	3.86	-5.284	-0.0063	-2.5 to 2.5	Pass
				30	3.86	-4.204	-0.0050	-2.5 to 2.5	Pass
				40	3.86	-4.740	-0.0057	-2.5 to 2.5	Pass
				50	3.86	-7.093	-0.0085	-2.5 to 2.5	Pass
	847.5	15	0	20	3.5	-3.756	-0.0044	-2.5 to 2.5	Pass
					3.86	-7.236	-0.0085	-2.5 to 2.5	Pass
					4.45	-6.774	-0.0080	-2.5 to 2.5	Pass
				-30	3.86	-5.594	-0.0066	-2.5 to 2.5	Pass
				-20	3.86	-7.617	-0.0090	-2.5 to 2.5	Pass
				-10	3.86	-10.311	-0.0122	-2.5 to 2.5	Pass
				0	3.86	-7.265	-0.0086	-2.5 to 2.5	Pass
				10	3.86	-6.396	-0.0075	-2.5 to 2.5	Pass
				30	3.86	-9.359	-0.0110	-2.5 to 2.5	Pass
				40	3.86	-7.112	-0.0084	-2.5 to 2.5	Pass
				50	3.86	-4.458	-0.0052	-2.5 to 2.5	Pass

6.3 B5_5MHz

6.3.1 Test Result

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

QPSK	826.5	25	0	20	3.5	-3.025	-0.0037	-2.5 to 2.5	Pass
					3.86	-10.135	-0.0123	-2.5 to 2.5	Pass
					4.45	-7.329	-0.0089	-2.5 to 2.5	Pass
				-30	3.86	-7.161	-0.0087	-2.5 to 2.5	Pass
				-20	3.86	-4.851	-0.0059	-2.5 to 2.5	Pass
				-10	3.86	-6.995	-0.0085	-2.5 to 2.5	Pass
				0	3.86	-4.728	-0.0057	-2.5 to 2.5	Pass
				10	3.86	-6.197	-0.0075	-2.5 to 2.5	Pass
				30	3.86	-5.069	-0.0061	-2.5 to 2.5	Pass
				40	3.86	-5.028	-0.0061	-2.5 to 2.5	Pass
	50	3.86	-4.270	-0.0052	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.5	-4.879	-0.0058	-2.5 to 2.5	Pass
					3.86	-2.917	-0.0035	-2.5 to 2.5	Pass
					4.45	-9.653	-0.0115	-2.5 to 2.5	Pass
				-30	3.86	-6.891	-0.0082	-2.5 to 2.5	Pass
				-20	3.86	-6.222	-0.0074	-2.5 to 2.5	Pass
				-10	3.86	-6.354	-0.0076	-2.5 to 2.5	Pass
				0	3.86	-3.609	-0.0043	-2.5 to 2.5	Pass
				10	3.86	-4.067	-0.0049	-2.5 to 2.5	Pass
				30	3.86	-8.818	-0.0105	-2.5 to 2.5	Pass
				40	3.86	-6.316	-0.0076	-2.5 to 2.5	Pass
	50	3.86	-6.452	-0.0077	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.5	-4.057	-0.0048	-2.5 to 2.5	Pass
					3.86	-4.950	-0.0058	-2.5 to 2.5	Pass
					4.45	-7.818	-0.0092	-2.5 to 2.5	Pass
				-30	3.86	-6.353	-0.0075	-2.5 to 2.5	Pass
				-20	3.86	-7.759	-0.0092	-2.5 to 2.5	Pass
				-10	3.86	-5.808	-0.0069	-2.5 to 2.5	Pass
				0	3.86	-5.404	-0.0064	-2.5 to 2.5	Pass
				10	3.86	-6.564	-0.0078	-2.5 to 2.5	Pass
				30	3.86	-4.721	-0.0056	-2.5 to 2.5	Pass
40				3.86	-8.831	-0.0104	-2.5 to 2.5	Pass	
50	3.86	-9.059	-0.0107	-2.5 to 2.5	Pass				
16QAM	826.5	25	0	20	3.5	-4.574	-0.0055	-2.5 to 2.5	Pass
					3.86	-3.982	-0.0048	-2.5 to 2.5	Pass
					4.45	-11.222	-0.0136	-2.5 to 2.5	Pass
				-30	3.86	-9.053	-0.0110	-2.5 to 2.5	Pass
				-20	3.86	-9.315	-0.0113	-2.5 to 2.5	Pass
				-10	3.86	-2.023	-0.0024	-2.5 to 2.5	Pass
				0	3.86	-3.665	-0.0044	-2.5 to 2.5	Pass
				10	3.86	-3.932	-0.0048	-2.5 to 2.5	Pass
				30	3.86	-6.085	-0.0074	-2.5 to 2.5	Pass
				40	3.86	-11.594	-0.0140	-2.5 to 2.5	Pass
	50	3.86	-8.063	-0.0098	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.5	-3.593	-0.0043	-2.5 to 2.5	Pass
					3.86	-5.731	-0.0069	-2.5 to 2.5	Pass
					4.45	-2.602	-0.0031	-2.5 to 2.5	Pass
				-30	3.86	-4.116	-0.0049	-2.5 to 2.5	Pass
				-20	3.86	-6.988	-0.0084	-2.5 to 2.5	Pass
				-10	3.86	-3.257	-0.0039	-2.5 to 2.5	Pass
				0	3.86	-5.645	-0.0067	-2.5 to 2.5	Pass
				10	3.86	-4.951	-0.0059	-2.5 to 2.5	Pass
				30	3.86	-9.731	-0.0116	-2.5 to 2.5	Pass
				40	3.86	-9.025	-0.0108	-2.5 to 2.5	Pass
	50	3.86	-3.954	-0.0047	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.5	-5.553	-0.0066	-2.5 to 2.5	Pass
					3.86	-9.026	-0.0107	-2.5 to 2.5	Pass
4.45					-11.043	-0.0130	-2.5 to 2.5	Pass	
-30				3.86	-9.229	-0.0109	-2.5 to 2.5	Pass	

				-20	3.86	-9.412	-0.0111	-2.5 to 2.5	Pass
				-10	3.86	-10.233	-0.0121	-2.5 to 2.5	Pass
				0	3.86	-10.442	-0.0123	-2.5 to 2.5	Pass
				10	3.86	-5.170	-0.0061	-2.5 to 2.5	Pass
				30	3.86	-3.903	-0.0046	-2.5 to 2.5	Pass
				40	3.86	-4.476	-0.0053	-2.5 to 2.5	Pass
				50	3.86	-5.377	-0.0064	-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	3.5	-3.006	-0.0036	-2.5 to 2.5	Pass
					3.86	-3.601	-0.0043	-2.5 to 2.5	Pass
					4.45	-6.815	-0.0082	-2.5 to 2.5	Pass
				-30	3.86	-7.549	-0.0091	-2.5 to 2.5	Pass
				-20	3.86	-8.659	-0.0104	-2.5 to 2.5	Pass
				-10	3.86	-8.824	-0.0106	-2.5 to 2.5	Pass
				0	3.86	-4.684	-0.0057	-2.5 to 2.5	Pass
				10	3.86	-7.255	-0.0088	-2.5 to 2.5	Pass
				30	3.86	-9.656	-0.0116	-2.5 to 2.5	Pass
				40	3.86	-5.595	-0.0067	-2.5 to 2.5	Pass
				50	3.86	-2.385	-0.0029	-2.5 to 2.5	Pass
	836.5	50	0	20	3.5	-6.984	-0.0083	-2.5 to 2.5	Pass
					3.86	-8.474	-0.0101	-2.5 to 2.5	Pass
					4.45	-8.273	-0.0099	-2.5 to 2.5	Pass
				-30	3.86	-4.606	-0.0055	-2.5 to 2.5	Pass
				-20	3.86	-5.140	-0.0061	-2.5 to 2.5	Pass
				-10	3.86	-4.805	-0.0057	-2.5 to 2.5	Pass
				0	3.86	-2.895	-0.0035	-2.5 to 2.5	Pass
				10	3.86	-7.192	-0.0086	-2.5 to 2.5	Pass
				30	3.86	-8.513	-0.0102	-2.5 to 2.5	Pass
				40	3.86	-5.310	-0.0063	-2.5 to 2.5	Pass
				50	3.86	-3.932	-0.0047	-2.5 to 2.5	Pass
	844	50	0	20	3.5	-6.825	-0.0081	-2.5 to 2.5	Pass
					3.86	-8.624	-0.0102	-2.5 to 2.5	Pass
					4.45	-7.153	-0.0085	-2.5 to 2.5	Pass
				-30	3.86	-8.190	-0.0097	-2.5 to 2.5	Pass
				-20	3.86	-6.279	-0.0074	-2.5 to 2.5	Pass
				-10	3.86	-8.205	-0.0097	-2.5 to 2.5	Pass
				0	3.86	-7.404	-0.0088	-2.5 to 2.5	Pass
				10	3.86	-10.000	-0.0118	-2.5 to 2.5	Pass
				30	3.86	-6.645	-0.0079	-2.5 to 2.5	Pass
				40	3.86	-12.101	-0.0143	-2.5 to 2.5	Pass
				50	3.86	-11.952	-0.0142	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.5	-5.916	-0.0071	-2.5 to 2.5	Pass
					3.86	-4.806	-0.0058	-2.5 to 2.5	Pass
					4.45	-2.437	-0.0029	-2.5 to 2.5	Pass
				-30	3.86	-6.334	-0.0076	-2.5 to 2.5	Pass
				-20	3.86	-7.587	-0.0092	-2.5 to 2.5	Pass
				-10	3.86	-6.368	-0.0077	-2.5 to 2.5	Pass
				0	3.86	-5.759	-0.0069	-2.5 to 2.5	Pass
				10	3.86	-6.853	-0.0083	-2.5 to 2.5	Pass
				30	3.86	-5.340	-0.0064	-2.5 to 2.5	Pass

				40	3.86	-4.948	-0.0060	-2.5 to 2.5	Pass
				50	3.86	-4.698	-0.0057	-2.5 to 2.5	Pass
	836.5	50	0	20	3.5	-6.078	-0.0073	-2.5 to 2.5	Pass
					3.86	-9.482	-0.0113	-2.5 to 2.5	Pass
					4.45	-4.668	-0.0056	-2.5 to 2.5	Pass
				-30	3.86	-7.148	-0.0085	-2.5 to 2.5	Pass
				-20	3.86	-3.482	-0.0042	-2.5 to 2.5	Pass
				-10	3.86	-9.734	-0.0116	-2.5 to 2.5	Pass
				0	3.86	-8.736	-0.0104	-2.5 to 2.5	Pass
				10	3.86	-6.455	-0.0077	-2.5 to 2.5	Pass
				30	3.86	-4.011	-0.0048	-2.5 to 2.5	Pass
				40	3.86	-6.844	-0.0082	-2.5 to 2.5	Pass
				50	3.86	-6.160	-0.0074	-2.5 to 2.5	Pass
	844	50	0	20	3.5	-10.082	-0.0119	-2.5 to 2.5	Pass
					3.86	-8.421	-0.0100	-2.5 to 2.5	Pass
					4.45	-12.179	-0.0144	-2.5 to 2.5	Pass
				-30	3.86	-8.036	-0.0095	-2.5 to 2.5	Pass
				-20	3.86	-8.640	-0.0102	-2.5 to 2.5	Pass
				-10	3.86	-11.071	-0.0131	-2.5 to 2.5	Pass
				0	3.86	-8.703	-0.0103	-2.5 to 2.5	Pass
				10	3.86	-11.015	-0.0131	-2.5 to 2.5	Pass
				30	3.86	-9.985	-0.0118	-2.5 to 2.5	Pass
				40	3.86	-4.992	-0.0059	-2.5 to 2.5	Pass
				50	3.86	-8.883	-0.0105	-2.5 to 2.5	Pass