

1. Frequency Stability

1.1 B2_1.4MHz

1.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.27	-1.802	-0.0010	-2.5 to 2.5	Pass
					3.85	-40.998	-0.0222	-2.5 to 2.5	Pass
					4.43	-3.047	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-11.044	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-6.180	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-49.553	-0.0268	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				10	3.85	-39.010	-0.0211	-2.5 to 2.5	Pass
				30	3.85	-2.046	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-42.386	-0.0229	-2.5 to 2.5	Pass
				50	3.85	-29.869	-0.0161	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	-15.063	-0.0080	-2.5 to 2.5	Pass
					3.85	-22.459	-0.0119	-2.5 to 2.5	Pass
					4.43	-27.108	-0.0144	-2.5 to 2.5	Pass
				-30	3.85	-24.276	-0.0129	-2.5 to 2.5	Pass
				-20	3.85	-45.204	-0.0240	-2.5 to 2.5	Pass
				-10	3.85	-51.999	-0.0277	-2.5 to 2.5	Pass
				0	3.85	-13.890	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-23.432	-0.0125	-2.5 to 2.5	Pass
				30	3.85	-12.674	-0.0067	-2.5 to 2.5	Pass
				40	3.85	1.545	0.0008	-2.5 to 2.5	Pass
				50	3.85	-34.304	-0.0182	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	-1.860	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.819	-0.0020	-2.5 to 2.5	Pass
					4.43	-29.526	-0.0155	-2.5 to 2.5	Pass
				-30	3.85	-26.164	-0.0137	-2.5 to 2.5	Pass
				-20	3.85	-31.757	-0.0166	-2.5 to 2.5	Pass
				-10	3.85	-40.655	-0.0213	-2.5 to 2.5	Pass
				0	3.85	-54.932	-0.0288	-2.5 to 2.5	Pass
				10	3.85	-8.683	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-47.221	-0.0247	-2.5 to 2.5	Pass
				40	3.85	-27.323	-0.0143	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	-22.988	-0.0124	-2.5 to 2.5	Pass
					3.85	-37.065	-0.0200	-2.5 to 2.5	Pass
					4.43	-24.347	-0.0132	-2.5 to 2.5	Pass
				-30	3.85	-44.460	-0.0240	-2.5 to 2.5	Pass
				-20	3.85	3.619	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-8.998	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-23.775	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-36.063	-0.0195	-2.5 to 2.5	Pass
				30	3.85	-8.454	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-22.144	-0.0120	-2.5 to 2.5	Pass
				50	3.85	-34.375	-0.0186	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	-7.138	-0.0038	-2.5 to 2.5	Pass
					3.85	-12.660	-0.0067	-2.5 to 2.5	Pass

					4.43	-7.424	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-14.434	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-1.860	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-41.528	-0.0221	-2.5 to 2.5	Pass
				0	3.85	-30.355	-0.0161	-2.5 to 2.5	Pass
				10	3.85	-15.764	-0.0084	-2.5 to 2.5	Pass
				30	3.85	3.719	0.0020	-2.5 to 2.5	Pass
				40	3.85	-29.683	-0.0158	-2.5 to 2.5	Pass
				50	3.85	-18.010	-0.0096	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	-19.755	-0.0103	-2.5 to 2.5	Pass
					3.85	-20.642	-0.0108	-2.5 to 2.5	Pass
					4.43	-12.059	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-5.636	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-43.802	-0.0229	-2.5 to 2.5	Pass
				-10	3.85	-26.650	-0.0140	-2.5 to 2.5	Pass
				0	3.85	-24.405	-0.0128	-2.5 to 2.5	Pass
				10	3.85	6.852	0.0036	-2.5 to 2.5	Pass
				30	3.85	-24.576	-0.0129	-2.5 to 2.5	Pass
				40	3.85	-16.365	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-48.323	-0.0253	-2.5 to 2.5	Pass

1.2 B2_3MHz

1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.27	-8.225	-0.0044	-2.5 to 2.5	Pass
					3.85	-20.614	-0.0111	-2.5 to 2.5	Pass
					4.43	-14.877	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-38.652	-0.0209	-2.5 to 2.5	Pass
				-20	3.85	-10.028	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-12.760	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-27.466	-0.0148	-2.5 to 2.5	Pass
				10	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				30	3.85	-33.188	-0.0179	-2.5 to 2.5	Pass
				40	3.85	-19.727	-0.0107	-2.5 to 2.5	Pass
				50	3.85	3.462	0.0019	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	24.247	0.0129	-2.5 to 2.5	Pass
					3.85	13.232	0.0070	-2.5 to 2.5	Pass
					4.43	-0.272	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-14.877	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-24.662	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-34.804	-0.0185	-2.5 to 2.5	Pass
				0	3.85	-38.695	-0.0206	-2.5 to 2.5	Pass
				10	3.85	-47.693	-0.0254	-2.5 to 2.5	Pass
				30	3.85	3.676	0.0020	-2.5 to 2.5	Pass
				40	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				50	3.85	-11.716	-0.0062	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	4.964	0.0026	-2.5 to 2.5	Pass
					3.85	13.762	0.0072	-2.5 to 2.5	Pass
					4.43	-32.516	-0.0170	-2.5 to 2.5	Pass
				-30	3.85	-34.189	-0.0179	-2.5 to 2.5	Pass
				-20	3.85	-16.093	-0.0084	-2.5 to 2.5	Pass

				-10	3.85	-38.438	-0.0201	-2.5 to 2.5	Pass
				0	3.85	-15.335	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-32.959	-0.0173	-2.5 to 2.5	Pass
				30	3.85	-45.819	-0.0240	-2.5 to 2.5	Pass
				40	3.85	7.768	0.0041	-2.5 to 2.5	Pass
				50	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.27	-24.891	-0.0134	-2.5 to 2.5	Pass
					3.85	-39.697	-0.0214	-2.5 to 2.5	Pass
					4.43	-17.767	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-37.751	-0.0204	-2.5 to 2.5	Pass
				-20	3.85	-43.702	-0.0236	-2.5 to 2.5	Pass
				-10	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				0	3.85	-10.901	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-25.606	-0.0138	-2.5 to 2.5	Pass
				30	3.85	-30.570	-0.0165	-2.5 to 2.5	Pass
				40	3.85	-8.783	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-19.770	-0.0107	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-14.319	-0.0076	-2.5 to 2.5	Pass
					3.85	-15.965	-0.0085	-2.5 to 2.5	Pass
					4.43	-18.568	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-22.302	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-25.105	-0.0134	-2.5 to 2.5	Pass
				-10	3.85	-23.661	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-25.721	-0.0137	-2.5 to 2.5	Pass
				10	3.85	-32.229	-0.0171	-2.5 to 2.5	Pass
				30	3.85	-32.287	-0.0172	-2.5 to 2.5	Pass
				40	3.85	-33.989	-0.0181	-2.5 to 2.5	Pass
				50	3.85	1.860	0.0010	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	-12.388	-0.0065	-2.5 to 2.5	Pass
					3.85	-14.119	-0.0074	-2.5 to 2.5	Pass
					4.43	-21.157	-0.0111	-2.5 to 2.5	Pass
				-30	3.85	-22.116	-0.0116	-2.5 to 2.5	Pass
				-20	3.85	-26.307	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-31.185	-0.0163	-2.5 to 2.5	Pass
				0	3.85	-33.674	-0.0176	-2.5 to 2.5	Pass
				10	3.85	-37.708	-0.0198	-2.5 to 2.5	Pass
				30	3.85	-41.399	-0.0217	-2.5 to 2.5	Pass
				40	3.85	-40.040	-0.0210	-2.5 to 2.5	Pass
				50	3.85	-45.562	-0.0239	-2.5 to 2.5	Pass

1.3 B2_5MHz

1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.27	36.035	0.0195	-2.5 to 2.5	Pass
					3.85	11.473	0.0062	-2.5 to 2.5	Pass
					4.43	11.745	0.0063	-2.5 to 2.5	Pass
				-30	3.85	10.028	0.0054	-2.5 to 2.5	Pass
				-20	3.85	3.805	0.0021	-2.5 to 2.5	Pass
				-10	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				0	3.85	3.762	0.0020	-2.5 to 2.5	Pass
				10	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass

	1880	25	0	30	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-7.195	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-8.798	-0.0047	-2.5 to 2.5	Pass
				20	3.27	19.627	0.0104	-2.5 to 2.5	Pass
					3.85	6.022	0.0032	-2.5 to 2.5	Pass
					4.43	9.356	0.0050	-2.5 to 2.5	Pass
				-30	3.85	10.414	0.0055	-2.5 to 2.5	Pass
				-20	3.85	7.939	0.0042	-2.5 to 2.5	Pass
				-10	3.85	9.327	0.0050	-2.5 to 2.5	Pass
				0	3.85	10.829	0.0058	-2.5 to 2.5	Pass
				10	3.85	7.024	0.0037	-2.5 to 2.5	Pass
				30	3.85	9.456	0.0050	-2.5 to 2.5	Pass
				40	3.85	8.998	0.0048	-2.5 to 2.5	Pass
				50	3.85	6.523	0.0035	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	24.648	0.0129	-2.5 to 2.5	Pass
					3.85	11.287	0.0059	-2.5 to 2.5	Pass
					4.43	11.959	0.0063	-2.5 to 2.5	Pass
				-30	3.85	19.283	0.0101	-2.5 to 2.5	Pass
				-20	3.85	24.562	0.0129	-2.5 to 2.5	Pass
				-10	3.85	28.596	0.0150	-2.5 to 2.5	Pass
				0	3.85	33.503	0.0176	-2.5 to 2.5	Pass
				10	3.85	35.048	0.0184	-2.5 to 2.5	Pass
				30	3.85	34.618	0.0181	-2.5 to 2.5	Pass
				40	3.85	37.837	0.0198	-2.5 to 2.5	Pass
				50	3.85	38.824	0.0204	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	-13.762	-0.0074	-2.5 to 2.5	Pass
					3.85	-14.305	-0.0077	-2.5 to 2.5	Pass
					4.43	-15.378	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-11.516	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-13.976	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-13.518	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-17.095	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-16.022	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-17.738	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-15.364	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-18.640	-0.0101	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	5.708	0.0030	-2.5 to 2.5	Pass
					3.85	10.271	0.0055	-2.5 to 2.5	Pass
					4.43	7.982	0.0042	-2.5 to 2.5	Pass
				-30	3.85	2.947	0.0016	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-10	3.85	2.947	0.0016	-2.5 to 2.5	Pass
				0	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				10	3.85	1.173	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				40	3.85	-3.247	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-5.937	-0.0032	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	38.824	0.0204	-2.5 to 2.5	Pass
					3.85	39.797	0.0209	-2.5 to 2.5	Pass
					4.43	33.846	0.0177	-2.5 to 2.5	Pass
				-30	3.85	31.471	0.0165	-2.5 to 2.5	Pass
				-20	3.85	32.587	0.0171	-2.5 to 2.5	Pass
				-10	3.85	35.892	0.0188	-2.5 to 2.5	Pass
				0	3.85	33.002	0.0173	-2.5 to 2.5	Pass
				10	3.85	32.945	0.0173	-2.5 to 2.5	Pass
				30	3.85	32.144	0.0169	-2.5 to 2.5	Pass
				40	3.85	30.599	0.0160	-2.5 to 2.5	Pass

				50	3.85	32.272	0.0169	-2.5 to 2.5	Pass
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1.4 B2_10MHz

1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.27	30.985	0.0167	-2.5 to 2.5	Pass
					3.85	9.298	0.0050	-2.5 to 2.5	Pass
					4.43	12.817	0.0069	-2.5 to 2.5	Pass
				-30	3.85	19.512	0.0105	-2.5 to 2.5	Pass
				-20	3.85	27.909	0.0150	-2.5 to 2.5	Pass
				-10	3.85	31.314	0.0169	-2.5 to 2.5	Pass
				0	3.85	35.534	0.0192	-2.5 to 2.5	Pass
				10	3.85	38.939	0.0210	-2.5 to 2.5	Pass
				30	3.85	40.040	0.0216	-2.5 to 2.5	Pass
				40	3.85	43.201	0.0233	-2.5 to 2.5	Pass
				50	3.85	40.727	0.0220	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	16.394	0.0087	-2.5 to 2.5	Pass
					3.85	12.875	0.0068	-2.5 to 2.5	Pass
					4.43	18.168	0.0097	-2.5 to 2.5	Pass
				-30	3.85	20.299	0.0108	-2.5 to 2.5	Pass
				-20	3.85	25.320	0.0135	-2.5 to 2.5	Pass
				-10	3.85	25.177	0.0134	-2.5 to 2.5	Pass
				0	3.85	32.501	0.0173	-2.5 to 2.5	Pass
				10	3.85	34.003	0.0181	-2.5 to 2.5	Pass
				30	3.85	34.418	0.0183	-2.5 to 2.5	Pass
				40	3.85	31.829	0.0169	-2.5 to 2.5	Pass
				50	3.85	35.591	0.0189	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	17.023	0.0089	-2.5 to 2.5	Pass
					3.85	14.033	0.0074	-2.5 to 2.5	Pass
					4.43	26.093	0.0137	-2.5 to 2.5	Pass
				-30	3.85	36.349	0.0191	-2.5 to 2.5	Pass
				-20	3.85	46.349	0.0243	-2.5 to 2.5	Pass
				-10	3.85	4.678	0.0025	-2.5 to 2.5	Pass
				0	3.85	11.759	0.0062	-2.5 to 2.5	Pass
				10	3.85	18.239	0.0096	-2.5 to 2.5	Pass
				30	3.85	26.822	0.0141	-2.5 to 2.5	Pass
				40	3.85	33.517	0.0176	-2.5 to 2.5	Pass
				50	3.85	37.937	0.0199	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	43.702	0.0236	-2.5 to 2.5	Pass
					3.85	40.798	0.0220	-2.5 to 2.5	Pass
					4.43	39.325	0.0212	-2.5 to 2.5	Pass
				-30	3.85	37.723	0.0203	-2.5 to 2.5	Pass
				-20	3.85	36.592	0.0197	-2.5 to 2.5	Pass
				-10	3.85	34.833	0.0188	-2.5 to 2.5	Pass
				0	3.85	31.772	0.0171	-2.5 to 2.5	Pass
				10	3.85	29.297	0.0158	-2.5 to 2.5	Pass
				30	3.85	28.296	0.0153	-2.5 to 2.5	Pass
				40	3.85	29.612	0.0160	-2.5 to 2.5	Pass
				50	3.85	26.093	0.0141	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	36.693	0.0195	-2.5 to 2.5	Pass
					3.85	37.336	0.0199	-2.5 to 2.5	Pass

					4.43	32.201	0.0171	-2.5 to 2.5	Pass
				-30	3.85	25.907	0.0138	-2.5 to 2.5	Pass
				-20	3.85	25.735	0.0137	-2.5 to 2.5	Pass
				-10	3.85	24.605	0.0131	-2.5 to 2.5	Pass
				0	3.85	18.511	0.0098	-2.5 to 2.5	Pass
				10	3.85	15.965	0.0085	-2.5 to 2.5	Pass
				30	3.85	11.215	0.0060	-2.5 to 2.5	Pass
				40	3.85	16.007	0.0085	-2.5 to 2.5	Pass
				50	3.85	14.262	0.0076	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	41.413	0.0217	-2.5 to 2.5	Pass
					3.85	40.169	0.0211	-2.5 to 2.5	Pass
					4.43	37.050	0.0194	-2.5 to 2.5	Pass
				-30	3.85	32.229	0.0169	-2.5 to 2.5	Pass
				-20	3.85	30.684	0.0161	-2.5 to 2.5	Pass
				-10	3.85	27.795	0.0146	-2.5 to 2.5	Pass
				0	3.85	24.476	0.0128	-2.5 to 2.5	Pass
				10	3.85	29.182	0.0153	-2.5 to 2.5	Pass
				30	3.85	30.699	0.0161	-2.5 to 2.5	Pass
				40	3.85	30.069	0.0158	-2.5 to 2.5	Pass
				50	3.85	25.406	0.0133	-2.5 to 2.5	Pass

1.5 B2_15MHz

1.5.1 Test Result

Band: 2 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.27	32.358	0.0174	-2.5 to 2.5	Pass
					3.85	11.415	0.0061	-2.5 to 2.5	Pass
					4.43	16.065	0.0086	-2.5 to 2.5	Pass
				-30	3.85	20.313	0.0109	-2.5 to 2.5	Pass
				-20	3.85	26.622	0.0143	-2.5 to 2.5	Pass
				-10	3.85	30.799	0.0166	-2.5 to 2.5	Pass
				0	3.85	34.103	0.0184	-2.5 to 2.5	Pass
				10	3.85	39.568	0.0213	-2.5 to 2.5	Pass
				30	3.85	40.541	0.0218	-2.5 to 2.5	Pass
				40	3.85	47.107	0.0254	-2.5 to 2.5	Pass
				50	3.85	10.915	0.0059	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	-3.219	-0.0017	-2.5 to 2.5	Pass
					3.85	-10.028	-0.0053	-2.5 to 2.5	Pass
					4.43	-1.173	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	6.595	0.0035	-2.5 to 2.5	Pass
				-20	3.85	12.803	0.0068	-2.5 to 2.5	Pass
				-10	3.85	17.982	0.0096	-2.5 to 2.5	Pass
				0	3.85	22.330	0.0119	-2.5 to 2.5	Pass
				10	3.85	27.795	0.0148	-2.5 to 2.5	Pass
				30	3.85	28.510	0.0152	-2.5 to 2.5	Pass
				40	3.85	7.381	0.0039	-2.5 to 2.5	Pass
				50	3.85	2.890	0.0015	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	18.682	0.0098	-2.5 to 2.5	Pass
					3.85	11.959	0.0063	-2.5 to 2.5	Pass
					4.43	29.082	0.0153	-2.5 to 2.5	Pass
				-30	3.85	43.974	0.0231	-2.5 to 2.5	Pass
				-20	3.85	4.921	0.0026	-2.5 to 2.5	Pass

16QAM	1857.5	75	0	-10	3.85	15.764	0.0083	-2.5 to 2.5	Pass
				0	3.85	22.044	0.0116	-2.5 to 2.5	Pass
				10	3.85	33.245	0.0175	-2.5 to 2.5	Pass
				30	3.85	38.495	0.0202	-2.5 to 2.5	Pass
				40	3.85	43.688	0.0230	-2.5 to 2.5	Pass
				50	3.85	18.926	0.0099	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	11.473	0.0062	-2.5 to 2.5	Pass
					3.85	7.253	0.0039	-2.5 to 2.5	Pass
					4.43	2.446	0.0013	-2.5 to 2.5	Pass
				-30	3.85	-4.292	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.975	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-8.583	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-11.301	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-15.550	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-14.548	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-21.286	-0.0115	-2.5 to 2.5	Pass
				50	3.85	-20.971	-0.0113	-2.5 to 2.5	Pass
				20	3.27	0.029	0.0000	-2.5 to 2.5	Pass
					3.85	2.604	0.0014	-2.5 to 2.5	Pass
					4.43	-3.977	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-7.224	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-10.700	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-16.851	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-13.990	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-16.766	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-22.602	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-20.971	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-24.490	-0.0130	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	12.546	0.0066	-2.5 to 2.5	Pass
					3.85	10.386	0.0055	-2.5 to 2.5	Pass
					4.43	4.334	0.0023	-2.5 to 2.5	Pass
				-30	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-4.263	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-9.470	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-12.074	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-15.306	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-12.660	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-10.085	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-11.945	-0.0063	-2.5 to 2.5	Pass

1.6 B2_20MHz

1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	-29.125	-0.0157	-2.5 to 2.5	Pass
					3.85	6.566	0.0035	-2.5 to 2.5	Pass
					4.43	14.906	0.0080	-2.5 to 2.5	Pass
				-30	3.85	22.345	0.0120	-2.5 to 2.5	Pass
				-20	3.85	30.656	0.0165	-2.5 to 2.5	Pass
				-10	3.85	29.583	0.0159	-2.5 to 2.5	Pass
				0	3.85	41.428	0.0223	-2.5 to 2.5	Pass
				10	3.85	-16.780	-0.0090	-2.5 to 2.5	Pass

				30	3.85	-12.431	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-11.873	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-9.270	-0.0050	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	13.247	0.0070	-2.5 to 2.5	Pass
					3.85	15.664	0.0083	-2.5 to 2.5	Pass
					4.43	30.870	0.0164	-2.5 to 2.5	Pass
				-30	3.85	23.603	0.0126	-2.5 to 2.5	Pass
				-20	3.85	33.460	0.0178	-2.5 to 2.5	Pass
				-10	3.85	41.127	0.0219	-2.5 to 2.5	Pass
				0	3.85	-13.318	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-9.313	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				40	3.85	3.061	0.0016	-2.5 to 2.5	Pass
				50	3.85	5.679	0.0030	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	0.772	0.0004	-2.5 to 2.5	Pass
					3.85	-3.791	-0.0020	-2.5 to 2.5	Pass
					4.43	17.767	0.0094	-2.5 to 2.5	Pass
				-30	3.85	38.023	0.0200	-2.5 to 2.5	Pass
				-20	3.85	1.159	0.0006	-2.5 to 2.5	Pass
				-10	3.85	12.002	0.0063	-2.5 to 2.5	Pass
				0	3.85	21.243	0.0112	-2.5 to 2.5	Pass
				10	3.85	28.968	0.0152	-2.5 to 2.5	Pass
				30	3.85	40.483	0.0213	-2.5 to 2.5	Pass
				40	3.85	10.228	0.0054	-2.5 to 2.5	Pass
				50	3.85	22.073	0.0116	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.27	-12.059	-0.0065	-2.5 to 2.5	Pass
					3.85	-16.379	-0.0088	-2.5 to 2.5	Pass
					4.43	-27.866	-0.0150	-2.5 to 2.5	Pass
				-30	3.85	-35.291	-0.0190	-2.5 to 2.5	Pass
				-20	3.85	-40.770	-0.0219	-2.5 to 2.5	Pass
				-10	3.85	-45.519	-0.0245	-2.5 to 2.5	Pass
				0	3.85	10.242	0.0055	-2.5 to 2.5	Pass
				10	3.85	7.153	0.0038	-2.5 to 2.5	Pass
				30	3.85	3.290	0.0018	-2.5 to 2.5	Pass
				40	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				50	3.85	-3.333	-0.0018	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	12.045	0.0064	-2.5 to 2.5	Pass
					3.85	6.480	0.0034	-2.5 to 2.5	Pass
					4.43	-3.619	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-6.824	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-18.597	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-24.362	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-17.939	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-22.259	-0.0118	-2.5 to 2.5	Pass
				30	3.85	-23.274	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-22.430	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-27.137	-0.0144	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	38.552	0.0203	-2.5 to 2.5	Pass
					3.85	32.029	0.0169	-2.5 to 2.5	Pass
					4.43	21.143	0.0111	-2.5 to 2.5	Pass
				-30	3.85	13.189	0.0069	-2.5 to 2.5	Pass
				-20	3.85	9.885	0.0052	-2.5 to 2.5	Pass
				-10	3.85	2.446	0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.330	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.548	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-7.224	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-5.736	-0.0030	-2.5 to 2.5	Pass

				50	3.85	-6.137	-0.0032	-2.5 to 2.5	Pass
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2. Frequency Stability

2.1 B38_5MHz

2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.27	-5.565	-0.0022	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0023	-2.5 to 2.5	Pass
					4.43	-2.046	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-12.989	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-10.428	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-2.990	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.189	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.974	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.459	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-9.813	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-9.871	-0.0038	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	-0.501	-0.0002	-2.5 to 2.5	Pass
					3.85	1.101	0.0004	-2.5 to 2.5	Pass
					4.43	-2.232	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-6.938	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-5.879	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-9.599	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-7.639	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-7.582	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-5.522	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-3.891	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	-4.191	-0.0016	-2.5 to 2.5	Pass
					3.85	12.388	0.0047	-2.5 to 2.5	Pass
					4.43	9.928	0.0038	-2.5 to 2.5	Pass
				-30	3.85	8.998	0.0034	-2.5 to 2.5	Pass
				-20	3.85	-12.660	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	3.977	0.0015	-2.5 to 2.5	Pass
				0	3.85	-15.335	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0026	-2.5 to 2.5	Pass
				30	3.85	3.333	0.0013	-2.5 to 2.5	Pass
				40	3.85	-11.973	-0.0046	-2.5 to 2.5	Pass
				50	3.85	0.043	0.0000	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.27	-9.985	-0.0039	-2.5 to 2.5	Pass
					3.85	-8.297	-0.0032	-2.5 to 2.5	Pass
					4.43	-10.858	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	0.472	0.0002	-2.5 to 2.5	Pass
				-20	3.85	5.364	0.0021	-2.5 to 2.5	Pass
				-10	3.85	5.965	0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.431	-0.0006	-2.5 to 2.5	Pass
				10	3.85	2.489	0.0010	-2.5 to 2.5	Pass
				30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				40	3.85	6.423	0.0025	-2.5 to 2.5	Pass

	2595	25	0	50	3.85	5.236	0.0020	-2.5 to 2.5	Pass
				20	3.27	-0.114	0.0000	-2.5 to 2.5	Pass
					3.85	0.758	0.0003	-2.5 to 2.5	Pass
					4.43	1.831	0.0007	-2.5 to 2.5	Pass
				-30	3.85	5.207	0.0020	-2.5 to 2.5	Pass
				-20	3.85	3.233	0.0012	-2.5 to 2.5	Pass
				-10	3.85	9.484	0.0037	-2.5 to 2.5	Pass
				0	3.85	3.934	0.0015	-2.5 to 2.5	Pass
				10	3.85	9.270	0.0036	-2.5 to 2.5	Pass
				30	3.85	6.323	0.0024	-2.5 to 2.5	Pass
	2617.5	25	0	40	3.85	9.098	0.0035	-2.5 to 2.5	Pass
				50	3.85	8.283	0.0032	-2.5 to 2.5	Pass
				20	3.27	1.845	0.0007	-2.5 to 2.5	Pass
					3.85	-16.336	-0.0062	-2.5 to 2.5	Pass
					4.43	-7.811	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	7.267	0.0028	-2.5 to 2.5	Pass
				-20	3.85	-17.123	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	5.164	0.0020	-2.5 to 2.5	Pass
				0	3.85	4.792	0.0018	-2.5 to 2.5	Pass
				10	3.85	-7.038	-0.0027	-2.5 to 2.5	Pass
				30	3.85	8.769	0.0034	-2.5 to 2.5	Pass
				40	3.85	7.439	0.0028	-2.5 to 2.5	Pass
				50	3.85	9.499	0.0036	-2.5 to 2.5	Pass

2.2 B38_10MHz

2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	3.27	32.430	0.0126	-2.5 to 2.5	Pass
					3.85	41.270	0.0160	-2.5 to 2.5	Pass
					4.43	41.528	0.0161	-2.5 to 2.5	Pass
				-30	3.85	28.625	0.0111	-2.5 to 2.5	Pass
				-20	3.85	42.629	0.0166	-2.5 to 2.5	Pass
				-10	3.85	28.825	0.0112	-2.5 to 2.5	Pass
				0	3.85	38.953	0.0151	-2.5 to 2.5	Pass
				10	3.85	30.341	0.0118	-2.5 to 2.5	Pass
				30	3.85	34.404	0.0134	-2.5 to 2.5	Pass
				40	3.85	14.892	0.0058	-2.5 to 2.5	Pass
	50	3.85	12.174	0.0047	-2.5 to 2.5	Pass			
	2595	50	0	20	3.27	24.405	0.0094	-2.5 to 2.5	Pass
					3.85	26.350	0.0102	-2.5 to 2.5	Pass
					4.43	29.840	0.0115	-2.5 to 2.5	Pass
				-30	3.85	29.197	0.0113	-2.5 to 2.5	Pass
				-20	3.85	32.372	0.0125	-2.5 to 2.5	Pass
				-10	3.85	22.802	0.0088	-2.5 to 2.5	Pass
				0	3.85	28.896	0.0111	-2.5 to 2.5	Pass
				10	3.85	32.573	0.0126	-2.5 to 2.5	Pass
				30	3.85	28.882	0.0111	-2.5 to 2.5	Pass
				40	3.85	31.128	0.0120	-2.5 to 2.5	Pass
	50	3.85	31.385	0.0121	-2.5 to 2.5	Pass			
	2615	50	0	20	3.27	33.731	0.0129	-2.5 to 2.5	Pass
					3.85	20.771	0.0079	-2.5 to 2.5	Pass

					4.43	25.935	0.0099	-2.5 to 2.5	Pass
				-30	3.85	13.747	0.0053	-2.5 to 2.5	Pass
				-20	3.85	17.853	0.0068	-2.5 to 2.5	Pass
				-10	3.85	17.753	0.0068	-2.5 to 2.5	Pass
				0	3.85	8.054	0.0031	-2.5 to 2.5	Pass
				10	3.85	15.092	0.0058	-2.5 to 2.5	Pass
				30	3.85	10.071	0.0039	-2.5 to 2.5	Pass
				40	3.85	13.304	0.0051	-2.5 to 2.5	Pass
				50	3.85	14.563	0.0056	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.27	2.518	0.0010	-2.5 to 2.5	Pass
					3.85	4.063	0.0016	-2.5 to 2.5	Pass
					4.43	15.993	0.0062	-2.5 to 2.5	Pass
				-30	3.85	19.383	0.0075	-2.5 to 2.5	Pass
				-20	3.85	4.506	0.0017	-2.5 to 2.5	Pass
				-10	3.85	20.685	0.0080	-2.5 to 2.5	Pass
				0	3.85	14.205	0.0055	-2.5 to 2.5	Pass
				10	3.85	28.138	0.0109	-2.5 to 2.5	Pass
				30	3.85	27.180	0.0106	-2.5 to 2.5	Pass
				40	3.85	32.730	0.0127	-2.5 to 2.5	Pass
				50	3.85	35.477	0.0138	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	28.968	0.0112	-2.5 to 2.5	Pass
					3.85	33.545	0.0129	-2.5 to 2.5	Pass
					4.43	39.625	0.0153	-2.5 to 2.5	Pass
				-30	3.85	42.486	0.0164	-2.5 to 2.5	Pass
				-20	3.85	42.572	0.0164	-2.5 to 2.5	Pass
				-10	3.85	37.479	0.0144	-2.5 to 2.5	Pass
				0	3.85	41.857	0.0161	-2.5 to 2.5	Pass
				10	3.85	46.620	0.0180	-2.5 to 2.5	Pass
				30	3.85	-14.019	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-14.076	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-13.103	-0.0050	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	0.658	0.0003	-2.5 to 2.5	Pass
					3.85	4.320	0.0017	-2.5 to 2.5	Pass
					4.43	1.101	0.0004	-2.5 to 2.5	Pass
				-30	3.85	12.259	0.0047	-2.5 to 2.5	Pass
				-20	3.85	10.085	0.0039	-2.5 to 2.5	Pass
				-10	3.85	9.770	0.0037	-2.5 to 2.5	Pass
				0	3.85	15.049	0.0058	-2.5 to 2.5	Pass
				10	3.85	19.670	0.0075	-2.5 to 2.5	Pass
				30	3.85	1.588	0.0006	-2.5 to 2.5	Pass
				40	3.85	15.306	0.0059	-2.5 to 2.5	Pass
				50	3.85	8.712	0.0033	-2.5 to 2.5	Pass

2.3 B38_15MHz

2.3.1 Test Result

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	3.27	18.139	0.0070	-2.5 to 2.5	Pass
					3.85	30.870	0.0120	-2.5 to 2.5	Pass
					4.43	18.282	0.0071	-2.5 to 2.5	Pass
				-30	3.85	29.798	0.0116	-2.5 to 2.5	Pass
				-20	3.85	20.270	0.0079	-2.5 to 2.5	Pass

				-10	3.85	19.140	0.0074	-2.5 to 2.5	Pass
				0	3.85	32.401	0.0126	-2.5 to 2.5	Pass
				10	3.85	31.571	0.0122	-2.5 to 2.5	Pass
				30	3.85	33.345	0.0129	-2.5 to 2.5	Pass
				40	3.85	25.477	0.0099	-2.5 to 2.5	Pass
				50	3.85	24.390	0.0095	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-9.470	-0.0036	-2.5 to 2.5	Pass
					3.85	-4.306	-0.0017	-2.5 to 2.5	Pass
					4.43	-4.048	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-7.625	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-8.783	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-8.268	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-7.439	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-8.297	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-16.265	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-8.755	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-10.057	-0.0039	-2.5 to 2.5	Pass
				20	3.27	21.672	0.0083	-2.5 to 2.5	Pass
					3.85	18.525	0.0071	-2.5 to 2.5	Pass
					4.43	15.621	0.0060	-2.5 to 2.5	Pass
	2612.5	75	0	-30	3.85	12.331	0.0047	-2.5 to 2.5	Pass
				-20	3.85	1.616	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-6.480	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.290	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-10.672	-0.0041	-2.5 to 2.5	Pass
				50	3.85	1.760	0.0007	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.27	35.076	0.0136	-2.5 to 2.5	Pass
					3.85	28.710	0.0111	-2.5 to 2.5	Pass
					4.43	47.164	0.0183	-2.5 to 2.5	Pass
				-30	3.85	31.958	0.0124	-2.5 to 2.5	Pass
				-20	3.85	11.616	0.0045	-2.5 to 2.5	Pass
				-10	3.85	5.050	0.0020	-2.5 to 2.5	Pass
				0	3.85	11.659	0.0045	-2.5 to 2.5	Pass
				10	3.85	22.459	0.0087	-2.5 to 2.5	Pass
				30	3.85	16.193	0.0063	-2.5 to 2.5	Pass
				40	3.85	17.767	0.0069	-2.5 to 2.5	Pass
				50	3.85	36.206	0.0140	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-15.364	-0.0059	-2.5 to 2.5	Pass
					3.85	-7.839	-0.0030	-2.5 to 2.5	Pass
					4.43	-6.008	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-10.786	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-0.987	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-5.064	-0.0020	-2.5 to 2.5	Pass
				0	3.85	6.080	0.0023	-2.5 to 2.5	Pass
				10	3.85	1.545	0.0006	-2.5 to 2.5	Pass
				30	3.85	7.267	0.0028	-2.5 to 2.5	Pass
				40	3.85	1.731	0.0007	-2.5 to 2.5	Pass
				50	3.85	7.782	0.0030	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-5.393	-0.0021	-2.5 to 2.5	Pass
					3.85	-9.656	-0.0037	-2.5 to 2.5	Pass
					4.43	-3.147	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-8.826	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-5.264	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-7.882	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-11.015	-0.0042	-2.5 to 2.5	Pass

				10	3.85	-3.333	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.802	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-4.263	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-7.238	-0.0028	-2.5 to 2.5	Pass

2.4 B38_20MHz

2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.27	-9.971	-0.0039	-2.5 to 2.5	Pass
					3.85	-5.279	-0.0020	-2.5 to 2.5	Pass
					4.43	-10.500	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-9.742	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.749	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-5.822	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-3.862	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-4.649	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-0.701	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.973	0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.574	-0.0006	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-8.483	-0.0033	-2.5 to 2.5	Pass
					3.85	-2.403	-0.0009	-2.5 to 2.5	Pass
					4.43	-11.344	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-1.502	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-14.219	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-13.175	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-17.495	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-10.042	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-14.191	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-5.078	-0.0020	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	15.907	0.0061	-2.5 to 2.5	Pass
					3.85	13.232	0.0051	-2.5 to 2.5	Pass
					4.43	0.744	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-4.692	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-9.799	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-16.866	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-18.568	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-31.571	-0.0121	-2.5 to 2.5	Pass
				30	3.85	-30.384	-0.0116	-2.5 to 2.5	Pass
				40	3.85	-35.634	-0.0137	-2.5 to 2.5	Pass
				50	3.85	-37.007	-0.0142	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.27	4.463	0.0017	-2.5 to 2.5	Pass
					3.85	7.811	0.0030	-2.5 to 2.5	Pass
					4.43	11.630	0.0045	-2.5 to 2.5	Pass
				-30	3.85	13.776	0.0053	-2.5 to 2.5	Pass
				-20	3.85	20.084	0.0078	-2.5 to 2.5	Pass
				-10	3.85	26.279	0.0102	-2.5 to 2.5	Pass
				0	3.85	26.336	0.0102	-2.5 to 2.5	Pass
				10	3.85	27.437	0.0106	-2.5 to 2.5	Pass
				30	3.85	33.946	0.0132	-2.5 to 2.5	Pass
				40	3.85	37.537	0.0145	-2.5 to 2.5	Pass

	2595	100	0	50	3.85	42.629	0.0165	-2.5 to 2.5	Pass
				20	3.27	-14.505	-0.0056	-2.5 to 2.5	Pass
					3.85	-11.330	-0.0044	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-4.549	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	2.904	0.0011	-2.5 to 2.5	Pass
				-10	3.85	9.499	0.0037	-2.5 to 2.5	Pass
				0	3.85	6.580	0.0025	-2.5 to 2.5	Pass
				10	3.85	13.261	0.0051	-2.5 to 2.5	Pass
				30	3.85	24.447	0.0094	-2.5 to 2.5	Pass
	2610	100	0	40	3.85	21.758	0.0084	-2.5 to 2.5	Pass
				50	3.85	31.056	0.0120	-2.5 to 2.5	Pass
				20	3.27	-41.671	-0.0160	-2.5 to 2.5	Pass
					3.85	-41.013	-0.0157	-2.5 to 2.5	Pass
					4.43	-38.266	-0.0147	-2.5 to 2.5	Pass
				-30	3.85	-40.398	-0.0155	-2.5 to 2.5	Pass
				-20	3.85	-37.751	-0.0145	-2.5 to 2.5	Pass
				-10	3.85	-36.693	-0.0141	-2.5 to 2.5	Pass
				0	3.85	-37.150	-0.0142	-2.5 to 2.5	Pass
				10	3.85	-30.284	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-31.285	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-34.032	-0.0130	-2.5 to 2.5	Pass
				50	3.85	-32.673	-0.0125	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 B4_1.4MHz

3.1.1 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	15.421	0.0090	-2.5 to 2.5	Pass
					3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
					4.43	-14.262	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-25.864	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-31.013	-0.0181	-2.5 to 2.5	Pass
				-10	3.85	-4.392	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-10.071	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-10.457	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-12.245	-0.0072	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.85	-15.492	-0.0091	-2.5 to 2.5	Pass
					3.27	27.480	0.0159	-2.5 to 2.5	Pass
					3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				-30	4.43	-16.665	-0.0096	-2.5 to 2.5	Pass
					3.85	-27.995	-0.0162	-2.5 to 2.5	Pass
					3.85	-34.575	-0.0200	-2.5 to 2.5	Pass
				-10	3.85	-10.200	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-13.418	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-17.810	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-18.597	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-21.615	-0.0125	-2.5 to 2.5	Pass

				50	3.85	-20.370	-0.0118	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-13.676	-0.0078	-2.5 to 2.5	Pass
					3.85	2.460	0.0014	-2.5 to 2.5	Pass
					4.43	-17.710	-0.0101	-2.5 to 2.5	Pass
					-30	3.85	-14.305	-0.0082	-2.5 to 2.5
				-20	3.85	-8.311	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-31.700	-0.0181	-2.5 to 2.5	Pass
				0	3.85	-5.493	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-32.158	-0.0183	-2.5 to 2.5	Pass
				30	3.85	-7.524	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-31.400	-0.0179	-2.5 to 2.5	Pass
	50	3.85	0.873	0.0005	-2.5 to 2.5	Pass			
16QAM	1710.7	6	0	20	3.27	-15.836	-0.0093	-2.5 to 2.5	Pass
					3.85	-15.206	-0.0089	-2.5 to 2.5	Pass
					4.43	-7.968	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-9.499	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-10.815	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-9.828	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-8.984	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-8.039	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-24.519	-0.0142	-2.5 to 2.5	Pass
					3.85	-20.213	-0.0117	-2.5 to 2.5	Pass
					4.43	-24.691	-0.0143	-2.5 to 2.5	Pass
				-30	3.85	-25.563	-0.0148	-2.5 to 2.5	Pass
				-20	3.85	-29.998	-0.0173	-2.5 to 2.5	Pass
				-10	3.85	-29.182	-0.0168	-2.5 to 2.5	Pass
				0	3.85	-31.199	-0.0180	-2.5 to 2.5	Pass
				10	3.85	-32.759	-0.0189	-2.5 to 2.5	Pass
				30	3.85	-29.912	-0.0173	-2.5 to 2.5	Pass
				40	3.85	-30.627	-0.0177	-2.5 to 2.5	Pass
				50	3.85	-31.772	-0.0183	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-17.266	-0.0098	-2.5 to 2.5	Pass
					3.85	2.089	0.0012	-2.5 to 2.5	Pass
					4.43	-31.228	-0.0178	-2.5 to 2.5	Pass
				-30	3.85	-21.973	-0.0125	-2.5 to 2.5	Pass
				-20	3.85	-17.753	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-23.904	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-12.002	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-37.451	-0.0213	-2.5 to 2.5	Pass
				40	3.85	-26.250	-0.0150	-2.5 to 2.5	Pass
				50	3.85	-47.951	-0.0273	-2.5 to 2.5	Pass

3.2 B4_3MHz

3.2.1 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	-15.264	-0.0089	-2.5 to 2.5	Pass
					3.85	-25.520	-0.0149	-2.5 to 2.5	Pass

					4.43	-36.449	-0.0213	-2.5 to 2.5	Pass
				-30	3.85	-11.859	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-32.959	-0.0193	-2.5 to 2.5	Pass
				-10	3.85	-38.209	-0.0223	-2.5 to 2.5	Pass
				0	3.85	-14.234	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-7.753	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-26.007	-0.0152	-2.5 to 2.5	Pass
				40	3.85	-29.569	-0.0173	-2.5 to 2.5	Pass
				50	3.85	-16.193	-0.0095	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	23.432	0.0135	-2.5 to 2.5	Pass
					3.85	-30.198	-0.0174	-2.5 to 2.5	Pass
					4.43	-7.596	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-28.267	-0.0163	-2.5 to 2.5	Pass
				-20	3.85	-38.509	-0.0222	-2.5 to 2.5	Pass
				-10	3.85	11.888	0.0069	-2.5 to 2.5	Pass
				0	3.85	-20.843	-0.0120	-2.5 to 2.5	Pass
				10	3.85	-12.546	-0.0072	-2.5 to 2.5	Pass
				30	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				40	3.85	-29.554	-0.0171	-2.5 to 2.5	Pass
				50	3.85	-17.781	-0.0103	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	24.247	0.0138	-2.5 to 2.5	Pass
					3.85	26.464	0.0151	-2.5 to 2.5	Pass
					4.43	35.591	0.0203	-2.5 to 2.5	Pass
				-30	3.85	37.165	0.0212	-2.5 to 2.5	Pass
				-20	3.85	3.061	0.0017	-2.5 to 2.5	Pass
				-10	3.85	5.150	0.0029	-2.5 to 2.5	Pass
				0	3.85	6.566	0.0037	-2.5 to 2.5	Pass
				10	3.85	6.166	0.0035	-2.5 to 2.5	Pass
				30	3.85	12.002	0.0068	-2.5 to 2.5	Pass
				40	3.85	8.125	0.0046	-2.5 to 2.5	Pass
				50	3.85	11.244	0.0064	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	8.011	0.0047	-2.5 to 2.5	Pass
					3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
					4.43	-19.655	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-31.171	-0.0182	-2.5 to 2.5	Pass
				-20	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-14.348	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-28.110	-0.0164	-2.5 to 2.5	Pass
				10	3.85	-1.459	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-12.631	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-20.685	-0.0121	-2.5 to 2.5	Pass
				50	3.85	-33.860	-0.0198	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-37.322	-0.0215	-2.5 to 2.5	Pass
					3.85	2.003	0.0012	-2.5 to 2.5	Pass
					4.43	-8.569	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-20.099	-0.0116	-2.5 to 2.5	Pass
				-20	3.85	-28.324	-0.0163	-2.5 to 2.5	Pass
				-10	3.85	-33.474	-0.0193	-2.5 to 2.5	Pass
				0	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-19.054	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-29.511	-0.0170	-2.5 to 2.5	Pass
				40	3.85	-34.690	-0.0200	-2.5 to 2.5	Pass
				50	3.85	-13.161	-0.0076	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	11.058	0.0063	-2.5 to 2.5	Pass
					3.85	15.235	0.0087	-2.5 to 2.5	Pass
					4.43	15.292	0.0087	-2.5 to 2.5	Pass
				-30	3.85	20.242	0.0115	-2.5 to 2.5	Pass

				-20	3.85	23.518	0.0134	-2.5 to 2.5	Pass
				-10	3.85	25.263	0.0144	-2.5 to 2.5	Pass
				0	3.85	27.080	0.0154	-2.5 to 2.5	Pass
				10	3.85	30.370	0.0173	-2.5 to 2.5	Pass
				30	3.85	33.846	0.0193	-2.5 to 2.5	Pass
				40	3.85	37.193	0.0212	-2.5 to 2.5	Pass
				50	3.85	33.560	0.0191	-2.5 to 2.5	Pass

3.3 B4_5MHz

3.3.1 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	15.736	0.0092	-2.5 to 2.5	Pass
					3.85	2.875	0.0017	-2.5 to 2.5	Pass
					4.43	-1.144	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-6.452	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-12.016	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-14.577	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-16.165	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-18.911	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-19.484	-0.0114	-2.5 to 2.5	Pass
				50	3.85	-24.991	-0.0146	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	25.377	0.0146	-2.5 to 2.5	Pass
					3.85	-11.158	-0.0064	-2.5 to 2.5	Pass
					4.43	-39.768	-0.0230	-2.5 to 2.5	Pass
				-30	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-15.149	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-28.024	-0.0162	-2.5 to 2.5	Pass
				0	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-19.469	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-28.968	-0.0167	-2.5 to 2.5	Pass
				40	3.85	-16.809	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-27.194	-0.0157	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	12.074	0.0069	-2.5 to 2.5	Pass
					3.85	15.593	0.0089	-2.5 to 2.5	Pass
					4.43	13.318	0.0076	-2.5 to 2.5	Pass
				-30	3.85	13.533	0.0077	-2.5 to 2.5	Pass
				-20	3.85	15.593	0.0089	-2.5 to 2.5	Pass
				-10	3.85	16.937	0.0097	-2.5 to 2.5	Pass
				0	3.85	16.794	0.0096	-2.5 to 2.5	Pass
				10	3.85	19.941	0.0114	-2.5 to 2.5	Pass
				30	3.85	20.027	0.0114	-2.5 to 2.5	Pass
				40	3.85	20.556	0.0117	-2.5 to 2.5	Pass
				50	3.85	24.590	0.0140	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-26.479	-0.0155	-2.5 to 2.5	Pass
					3.85	-22.359	-0.0131	-2.5 to 2.5	Pass
					4.43	-20.828	-0.0122	-2.5 to 2.5	Pass
				-30	3.85	-16.809	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-15.750	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-13.790	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-12.646	-0.0074	-2.5 to 2.5	Pass

				10	3.85	-13.032	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-15.464	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-14.091	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-12.732	-0.0074	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-32.744	-0.0189	-2.5 to 2.5	Pass
					3.85	-34.719	-0.0200	-2.5 to 2.5	Pass
					4.43	-3.548	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-8.068	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-9.727	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-8.268	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-15.564	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-19.698	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-18.711	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-22.902	-0.0132	-2.5 to 2.5	Pass
				50	3.85	-25.148	-0.0145	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	22.602	0.0129	-2.5 to 2.5	Pass
					3.85	28.181	0.0161	-2.5 to 2.5	Pass
					4.43	33.302	0.0190	-2.5 to 2.5	Pass
				-30	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				0	3.85	3.319	0.0019	-2.5 to 2.5	Pass
				10	3.85	6.008	0.0034	-2.5 to 2.5	Pass
				30	3.85	6.695	0.0038	-2.5 to 2.5	Pass
				40	3.85	7.625	0.0044	-2.5 to 2.5	Pass
				50	3.85	10.057	0.0057	-2.5 to 2.5	Pass

3.4 B4_10MHz

3.4.1 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	19.870	0.0116	-2.5 to 2.5	Pass
					3.85	7.324	0.0043	-2.5 to 2.5	Pass
					4.43	1.402	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-9.427	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-8.197	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-9.341	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-12.131	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-12.646	-0.0074	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	21.529	0.0124	-2.5 to 2.5	Pass
					3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
					4.43	-18.725	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-24.891	-0.0144	-2.5 to 2.5	Pass
				-20	3.85	-30.627	-0.0177	-2.5 to 2.5	Pass
				-10	3.85	-33.789	-0.0195	-2.5 to 2.5	Pass
				0	3.85	-31.414	-0.0181	-2.5 to 2.5	Pass
				10	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-8.812	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-10.958	-0.0063	-2.5 to 2.5	Pass

	1750	50	0	50	3.85	-13.032	-0.0075	-2.5 to 2.5	Pass
				20	3.27	22.802	0.0130	-2.5 to 2.5	Pass
					3.85	17.123	0.0098	-2.5 to 2.5	Pass
					4.43	9.756	0.0056	-2.5 to 2.5	Pass
				-30	3.85	10.872	0.0062	-2.5 to 2.5	Pass
				-20	3.85	7.968	0.0046	-2.5 to 2.5	Pass
				-10	3.85	8.941	0.0051	-2.5 to 2.5	Pass
				0	3.85	6.380	0.0036	-2.5 to 2.5	Pass
				10	3.85	5.021	0.0029	-2.5 to 2.5	Pass
				30	3.85	10.099	0.0058	-2.5 to 2.5	Pass
				40	3.85	8.655	0.0049	-2.5 to 2.5	Pass
				50	3.85	10.028	0.0057	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-15.378	-0.0090	-2.5 to 2.5	Pass
					3.85	-9.298	-0.0054	-2.5 to 2.5	Pass
					4.43	-7.238	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-8.798	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-7.496	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-4.807	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-19.770	-0.0114	-2.5 to 2.5	Pass
					3.85	-11.716	-0.0068	-2.5 to 2.5	Pass
					4.43	-18.897	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-16.937	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-20.242	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-20.800	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-24.161	-0.0139	-2.5 to 2.5	Pass
				10	3.85	-22.388	-0.0129	-2.5 to 2.5	Pass
				30	3.85	-22.416	-0.0129	-2.5 to 2.5	Pass
				40	3.85	-25.706	-0.0148	-2.5 to 2.5	Pass
				50	3.85	-25.277	-0.0146	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	7.696	0.0044	-2.5 to 2.5	Pass
					3.85	10.557	0.0060	-2.5 to 2.5	Pass
					4.43	11.916	0.0068	-2.5 to 2.5	Pass
				-30	3.85	14.119	0.0081	-2.5 to 2.5	Pass
				-20	3.85	14.863	0.0085	-2.5 to 2.5	Pass
				-10	3.85	20.900	0.0119	-2.5 to 2.5	Pass
				0	3.85	20.485	0.0117	-2.5 to 2.5	Pass
				10	3.85	21.315	0.0122	-2.5 to 2.5	Pass
				30	3.85	20.027	0.0114	-2.5 to 2.5	Pass
				40	3.85	27.266	0.0156	-2.5 to 2.5	Pass
				50	3.85	28.267	0.0162	-2.5 to 2.5	Pass

3.5 B4_15MHz

3.5.1 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	7.339	0.0043	-2.5 to 2.5	Pass
					3.85	-6.409	-0.0037	-2.5 to 2.5	Pass

					4.43	-10.614	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-11.616	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-12.889	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-15.936	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-17.152	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-16.623	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-16.465	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-18.368	-0.0107	-2.5 to 2.5	Pass
				50	3.85	-19.112	-0.0111	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	19.040	0.0110	-2.5 to 2.5	Pass
					3.85	2.675	0.0015	-2.5 to 2.5	Pass
					4.43	2.732	0.0016	-2.5 to 2.5	Pass
				-30	3.85	5.465	0.0032	-2.5 to 2.5	Pass
				-20	3.85	6.151	0.0036	-2.5 to 2.5	Pass
				-10	3.85	5.364	0.0031	-2.5 to 2.5	Pass
				0	3.85	8.941	0.0052	-2.5 to 2.5	Pass
				10	3.85	8.769	0.0051	-2.5 to 2.5	Pass
				30	3.85	11.058	0.0064	-2.5 to 2.5	Pass
				40	3.85	12.074	0.0070	-2.5 to 2.5	Pass
				50	3.85	14.734	0.0085	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	23.532	0.0135	-2.5 to 2.5	Pass
					3.85	14.133	0.0081	-2.5 to 2.5	Pass
					4.43	5.264	0.0030	-2.5 to 2.5	Pass
				-30	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-5.264	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-5.322	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-6.895	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-11.630	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-9.112	-0.0052	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-18.668	-0.0109	-2.5 to 2.5	Pass
					3.85	-21.644	-0.0126	-2.5 to 2.5	Pass
					4.43	-17.810	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-17.838	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	-19.341	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-15.435	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-17.381	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-18.010	-0.0105	-2.5 to 2.5	Pass
				30	3.85	-19.183	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-16.794	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-19.026	-0.0111	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	14.706	0.0085	-2.5 to 2.5	Pass
					3.85	13.461	0.0078	-2.5 to 2.5	Pass
					4.43	13.576	0.0078	-2.5 to 2.5	Pass
				-30	3.85	9.899	0.0057	-2.5 to 2.5	Pass
				-20	3.85	8.168	0.0047	-2.5 to 2.5	Pass
				-10	3.85	9.384	0.0054	-2.5 to 2.5	Pass
				0	3.85	8.869	0.0051	-2.5 to 2.5	Pass
				10	3.85	13.561	0.0078	-2.5 to 2.5	Pass
				30	3.85	13.404	0.0077	-2.5 to 2.5	Pass
				40	3.85	11.616	0.0067	-2.5 to 2.5	Pass
				50	3.85	11.258	0.0065	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-12.116	-0.0069	-2.5 to 2.5	Pass
					3.85	-11.415	-0.0065	-2.5 to 2.5	Pass
					4.43	-17.066	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-12.646	-0.0072	-2.5 to 2.5	Pass

				-20	3.85	-12.474	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-11.387	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-12.374	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-9.570	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-10.872	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-15.993	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-11.272	-0.0065	-2.5 to 2.5	Pass

3.6 B4_20MHz

3.6.1 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	6.924	0.0040	-2.5 to 2.5	Pass
					3.85	-7.882	-0.0046	-2.5 to 2.5	Pass
					4.43	-8.440	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				30	3.85	4.678	0.0027	-2.5 to 2.5	Pass
				40	3.85	9.842	0.0057	-2.5 to 2.5	Pass
				50	3.85	7.854	0.0046	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	19.126	0.0110	-2.5 to 2.5	Pass
					3.85	9.313	0.0054	-2.5 to 2.5	Pass
					4.43	21.057	0.0122	-2.5 to 2.5	Pass
				-30	3.85	24.633	0.0142	-2.5 to 2.5	Pass
				-20	3.85	31.357	0.0181	-2.5 to 2.5	Pass
				-10	3.85	-13.375	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-10.414	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-5.622	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.186	0.0001	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	6.580	0.0038	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0034	-2.5 to 2.5	Pass
					4.43	-11.845	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-17.295	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-16.952	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-24.548	-0.0141	-2.5 to 2.5	Pass
				0	3.85	-24.347	-0.0140	-2.5 to 2.5	Pass
				10	3.85	-27.952	-0.0160	-2.5 to 2.5	Pass
				30	3.85	-28.982	-0.0166	-2.5 to 2.5	Pass
				40	3.85	-30.155	-0.0173	-2.5 to 2.5	Pass
				50	3.85	-33.360	-0.0191	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	8.812	0.0051	-2.5 to 2.5	Pass
					3.85	9.284	0.0054	-2.5 to 2.5	Pass
					4.43	9.971	0.0058	-2.5 to 2.5	Pass
				-30	3.85	6.523	0.0038	-2.5 to 2.5	Pass
				-20	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.847	0.0017	-2.5 to 2.5	Pass
				0	3.85	2.775	0.0016	-2.5 to 2.5	Pass

				10	3.85	2.918	0.0017	-2.5 to 2.5	Pass
				30	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				50	3.85	3.633	0.0021	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	1.016	0.0006	-2.5 to 2.5	Pass
					3.85	1.459	0.0008	-2.5 to 2.5	Pass
					4.43	-2.575	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-7.210	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-7.110	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-8.283	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-7.138	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-9.670	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-10.228	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-11.501	-0.0066	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-34.275	-0.0196	-2.5 to 2.5	Pass
					3.85	-34.819	-0.0200	-2.5 to 2.5	Pass
					4.43	0.458	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-7.024	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-8.483	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-8.183	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-8.526	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-8.812	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-7.968	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-6.695	-0.0038	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B5_1.4MHz

4.1.1 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	1.559	0.0019	-2.5 to 2.5	Pass
					3.85	-15.950	-0.0193	-2.5 to 2.5	Pass
					4.43	-20.757	-0.0252	-2.5 to 2.5	Pass
				-30	3.85	-17.424	-0.0211	-2.5 to 2.5	Pass
				-20	3.85	-11.072	-0.0134	-2.5 to 2.5	Pass
				-10	3.85	-38.552	-0.0467	-2.5 to 2.5	Pass
				0	3.85	-10.686	-0.0130	-2.5 to 2.5	Pass
				10	3.85	-30.112	-0.0365	-2.5 to 2.5	Pass
				30	3.85	-45.147	-0.0547	-2.5 to 2.5	Pass
				40	3.85	-8.082	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-25.692	-0.0312	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-33.774	-0.0404	-2.5 to 2.5	Pass
					3.85	-10.529	-0.0126	-2.5 to 2.5	Pass
					4.43	-30.384	-0.0363	-2.5 to 2.5	Pass
				-30	3.85	-17.467	-0.0209	-2.5 to 2.5	Pass
				-20	3.85	-23.432	-0.0280	-2.5 to 2.5	Pass
				-10	3.85	-38.939	-0.0465	-2.5 to 2.5	Pass
				0	3.85	-6.166	-0.0074	-2.5 to 2.5	Pass

				10	3.85	-22.674	-0.0271	-2.5 to 2.5	Pass
				30	3.85	-34.604	-0.0414	-2.5 to 2.5	Pass
				40	3.85	0.744	0.0009	-2.5 to 2.5	Pass
				50	3.85	-10.557	-0.0126	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	12.746	0.0150	-2.5 to 2.5	Pass
					3.85	7.553	0.0089	-2.5 to 2.5	Pass
					4.43	-0.544	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-11.058	-0.0130	-2.5 to 2.5	Pass
				-20	3.85	-20.742	-0.0245	-2.5 to 2.5	Pass
				-10	3.85	-29.655	-0.0350	-2.5 to 2.5	Pass
				0	3.85	-37.637	-0.0444	-2.5 to 2.5	Pass
				10	3.85	3.448	0.0041	-2.5 to 2.5	Pass
				30	3.85	-5.207	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-12.517	-0.0148	-2.5 to 2.5	Pass
				50	3.85	-19.426	-0.0229	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-38.009	-0.0461	-2.5 to 2.5	Pass
					3.85	-41.628	-0.0505	-2.5 to 2.5	Pass
					4.43	-46.692	-0.0566	-2.5 to 2.5	Pass
				-30	3.85	-2.861	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-6.380	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-12.031	-0.0146	-2.5 to 2.5	Pass
				0	3.85	-14.963	-0.0181	-2.5 to 2.5	Pass
				10	3.85	-17.667	-0.0214	-2.5 to 2.5	Pass
				30	3.85	-21.586	-0.0262	-2.5 to 2.5	Pass
				40	3.85	-25.291	-0.0307	-2.5 to 2.5	Pass
				50	3.85	-27.924	-0.0339	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-27.366	-0.0327	-2.5 to 2.5	Pass
					3.85	-37.193	-0.0445	-2.5 to 2.5	Pass
					4.43	-46.306	-0.0554	-2.5 to 2.5	Pass
				-30	3.85	-3.176	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-12.474	-0.0149	-2.5 to 2.5	Pass
				-10	3.85	-19.970	-0.0239	-2.5 to 2.5	Pass
				0	3.85	-26.236	-0.0314	-2.5 to 2.5	Pass
				10	3.85	-33.317	-0.0398	-2.5 to 2.5	Pass
				30	3.85	-39.940	-0.0477	-2.5 to 2.5	Pass
				40	3.85	1.960	0.0023	-2.5 to 2.5	Pass
				50	3.85	-4.392	-0.0053	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-26.779	-0.0316	-2.5 to 2.5	Pass
					3.85	-33.588	-0.0396	-2.5 to 2.5	Pass
					4.43	-40.298	-0.0475	-2.5 to 2.5	Pass
				-30	3.85	-45.977	-0.0542	-2.5 to 2.5	Pass
				-20	3.85	-13.962	-0.0165	-2.5 to 2.5	Pass
				-10	3.85	-18.168	-0.0214	-2.5 to 2.5	Pass
				0	3.85	-24.061	-0.0284	-2.5 to 2.5	Pass
				10	3.85	-27.809	-0.0328	-2.5 to 2.5	Pass
				30	3.85	-31.214	-0.0368	-2.5 to 2.5	Pass
				40	3.85	-35.462	-0.0418	-2.5 to 2.5	Pass
				50	3.85	-40.426	-0.0477	-2.5 to 2.5	Pass

4.2 B5_3MHz

4.2.1 Test Result

Band: 5 / Bandwidth: 3MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	825.5	15	0	20	3.27	-5.908	-0.0072	-2.5 to 2.5	Pass
					3.85	-23.503	-0.0285	-2.5 to 2.5	Pass
					4.43	-43.645	-0.0529	-2.5 to 2.5	Pass
				-30	3.85	-17.266	-0.0209	-2.5 to 2.5	Pass
				-20	3.85	-37.265	-0.0451	-2.5 to 2.5	Pass
				-10	3.85	-14.234	-0.0172	-2.5 to 2.5	Pass
				0	3.85	-31.500	-0.0382	-2.5 to 2.5	Pass
				10	3.85	-32.229	-0.0390	-2.5 to 2.5	Pass
				30	3.85	-13.862	-0.0168	-2.5 to 2.5	Pass
				40	3.85	-27.852	-0.0337	-2.5 to 2.5	Pass
				50	3.85	-42.529	-0.0515	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	12.174	0.0146	-2.5 to 2.5	Pass
					3.85	9.971	0.0119	-2.5 to 2.5	Pass
					4.43	3.176	0.0038	-2.5 to 2.5	Pass
				-30	3.85	-1.130	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-6.595	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-11.830	-0.0141	-2.5 to 2.5	Pass
				0	3.85	-16.165	-0.0193	-2.5 to 2.5	Pass
				10	3.85	-21.873	-0.0261	-2.5 to 2.5	Pass
				30	3.85	-28.310	-0.0338	-2.5 to 2.5	Pass
				40	3.85	-33.517	-0.0401	-2.5 to 2.5	Pass
				50	3.85	-37.823	-0.0452	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	11.115	0.0131	-2.5 to 2.5	Pass
					3.85	8.969	0.0106	-2.5 to 2.5	Pass
					4.43	3.004	0.0035	-2.5 to 2.5	Pass
				-30	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-8.841	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-16.966	-0.0200	-2.5 to 2.5	Pass
				0	3.85	-21.644	-0.0255	-2.5 to 2.5	Pass
				10	3.85	-26.608	-0.0314	-2.5 to 2.5	Pass
				30	3.85	-31.772	-0.0375	-2.5 to 2.5	Pass
				40	3.85	-36.950	-0.0436	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-7.625	-0.0092	-2.5 to 2.5	Pass
					3.85	-21.114	-0.0256	-2.5 to 2.5	Pass
					4.43	-30.298	-0.0367	-2.5 to 2.5	Pass
				-30	3.85	-37.308	-0.0452	-2.5 to 2.5	Pass
				-20	3.85	1.602	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-8.168	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-15.407	-0.0187	-2.5 to 2.5	Pass
				10	3.85	-20.986	-0.0254	-2.5 to 2.5	Pass
				30	3.85	-28.839	-0.0349	-2.5 to 2.5	Pass
				40	3.85	-33.975	-0.0412	-2.5 to 2.5	Pass
				50	3.85	-41.213	-0.0499	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	5.450	0.0065	-2.5 to 2.5	Pass
					3.85	0.601	0.0007	-2.5 to 2.5	Pass
					4.43	-1.674	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-5.922	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-7.854	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-10.214	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-13.647	-0.0163	-2.5 to 2.5	Pass
				10	3.85	-16.851	-0.0201	-2.5 to 2.5	Pass
				30	3.85	-18.497	-0.0221	-2.5 to 2.5	Pass
				40	3.85	-20.041	-0.0240	-2.5 to 2.5	Pass
				50	3.85	-24.519	-0.0293	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-7.567	-0.0089	-2.5 to 2.5	Pass

					3.85	-6.709	-0.0079	-2.5 to 2.5	Pass
					4.43	-8.898	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-11.330	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	-14.620	-0.0173	-2.5 to 2.5	Pass
				-10	3.85	-17.982	-0.0212	-2.5 to 2.5	Pass
				0	3.85	-18.082	-0.0213	-2.5 to 2.5	Pass
				10	3.85	-20.971	-0.0247	-2.5 to 2.5	Pass
				30	3.85	-23.718	-0.0280	-2.5 to 2.5	Pass
				40	3.85	-26.908	-0.0317	-2.5 to 2.5	Pass
				50	3.85	-29.383	-0.0347	-2.5 to 2.5	Pass

4.3 B5_5MHz

4.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	16.179	0.0196	-2.5 to 2.5	Pass
					3.85	13.733	0.0166	-2.5 to 2.5	Pass
					4.43	9.742	0.0118	-2.5 to 2.5	Pass
				-30	3.85	6.523	0.0079	-2.5 to 2.5	Pass
				-20	3.85	3.762	0.0046	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.85	-4.678	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-8.526	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-10.614	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-14.234	-0.0172	-2.5 to 2.5	Pass
				50	3.85	-18.253	-0.0221	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	11.501	0.0137	-2.5 to 2.5	Pass
					3.85	10.214	0.0122	-2.5 to 2.5	Pass
					4.43	7.768	0.0093	-2.5 to 2.5	Pass
				-30	3.85	5.236	0.0063	-2.5 to 2.5	Pass
				-20	3.85	4.578	0.0055	-2.5 to 2.5	Pass
				-10	3.85	2.689	0.0032	-2.5 to 2.5	Pass
				0	3.85	0.916	0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.645	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-2.403	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-3.791	-0.0045	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	12.159	0.0144	-2.5 to 2.5	Pass
					3.85	11.458	0.0135	-2.5 to 2.5	Pass
					4.43	8.039	0.0095	-2.5 to 2.5	Pass
				-30	3.85	4.778	0.0056	-2.5 to 2.5	Pass
				-20	3.85	2.360	0.0028	-2.5 to 2.5	Pass
				-10	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.546	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-6.194	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-8.841	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-11.430	-0.0135	-2.5 to 2.5	Pass
				50	3.85	-15.163	-0.0179	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-21.057	-0.0255	-2.5 to 2.5	Pass
					3.85	-23.746	-0.0287	-2.5 to 2.5	Pass
					4.43	-25.434	-0.0308	-2.5 to 2.5	Pass
				-30	3.85	-26.007	-0.0315	-2.5 to 2.5	Pass

				-20	3.85	-27.051	-0.0327	-2.5 to 2.5	Pass
				-10	3.85	-29.082	-0.0352	-2.5 to 2.5	Pass
				0	3.85	-31.385	-0.0380	-2.5 to 2.5	Pass
				10	3.85	-31.629	-0.0383	-2.5 to 2.5	Pass
				30	3.85	-34.018	-0.0412	-2.5 to 2.5	Pass
				40	3.85	-35.791	-0.0433	-2.5 to 2.5	Pass
				50	3.85	-37.780	-0.0457	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-7.124	-0.0085	-2.5 to 2.5	Pass
					3.85	-7.496	-0.0090	-2.5 to 2.5	Pass
					4.43	-7.868	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-7.682	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-7.796	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-8.211	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-8.268	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-9.527	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-9.785	-0.0117	-2.5 to 2.5	Pass
				40	3.85	-10.943	-0.0131	-2.5 to 2.5	Pass
				50	3.85	-11.458	-0.0137	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-17.896	-0.0211	-2.5 to 2.5	Pass
					3.85	-18.983	-0.0224	-2.5 to 2.5	Pass
					4.43	-20.785	-0.0246	-2.5 to 2.5	Pass
				-30	3.85	-21.000	-0.0248	-2.5 to 2.5	Pass
				-20	3.85	-21.400	-0.0253	-2.5 to 2.5	Pass
				-10	3.85	-23.146	-0.0273	-2.5 to 2.5	Pass
				0	3.85	-24.161	-0.0285	-2.5 to 2.5	Pass
				10	3.85	-27.223	-0.0322	-2.5 to 2.5	Pass
				30	3.85	-27.823	-0.0329	-2.5 to 2.5	Pass
				40	3.85	-28.954	-0.0342	-2.5 to 2.5	Pass
				50	3.85	-29.011	-0.0343	-2.5 to 2.5	Pass

4.4 B5_10MHz

4.4.1 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	16.980	0.0205	-2.5 to 2.5	Pass
					3.85	13.962	0.0168	-2.5 to 2.5	Pass
					4.43	11.287	0.0136	-2.5 to 2.5	Pass
				-30	3.85	6.852	0.0083	-2.5 to 2.5	Pass
				-20	3.85	4.077	0.0049	-2.5 to 2.5	Pass
				-10	3.85	1.845	0.0022	-2.5 to 2.5	Pass
				0	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.991	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-7.052	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-8.969	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-12.531	-0.0151	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	9.999	0.0120	-2.5 to 2.5	Pass
					3.85	8.240	0.0099	-2.5 to 2.5	Pass
					4.43	7.753	0.0093	-2.5 to 2.5	Pass
				-30	3.85	6.838	0.0082	-2.5 to 2.5	Pass
				-20	3.85	4.807	0.0057	-2.5 to 2.5	Pass
				-10	3.85	3.433	0.0041	-2.5 to 2.5	Pass
				0	3.85	2.203	0.0026	-2.5 to 2.5	Pass

				10	3.85	1.073	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.701	0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.717	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-2.303	-0.0028	-2.5 to 2.5	Pass
	844	50	0	20	3.27	6.723	0.0080	-2.5 to 2.5	Pass
					3.85	4.520	0.0054	-2.5 to 2.5	Pass
					4.43	2.675	0.0032	-2.5 to 2.5	Pass
				-30	3.85	-2.460	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-3.705	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-6.609	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-6.981	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-7.825	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-10.800	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-11.473	-0.0136	-2.5 to 2.5	Pass
				50	3.85	-13.118	-0.0155	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-15.264	-0.0184	-2.5 to 2.5	Pass
					3.85	-16.694	-0.0201	-2.5 to 2.5	Pass
					4.43	-17.438	-0.0210	-2.5 to 2.5	Pass
				-30	3.85	-17.238	-0.0208	-2.5 to 2.5	Pass
				-20	3.85	-18.368	-0.0222	-2.5 to 2.5	Pass
				-10	3.85	-20.771	-0.0251	-2.5 to 2.5	Pass
				0	3.85	-21.000	-0.0253	-2.5 to 2.5	Pass
				10	3.85	-21.100	-0.0255	-2.5 to 2.5	Pass
				30	3.85	-22.330	-0.0269	-2.5 to 2.5	Pass
				40	3.85	-24.061	-0.0290	-2.5 to 2.5	Pass
				50	3.85	-25.649	-0.0309	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-5.207	-0.0062	-2.5 to 2.5	Pass
					3.85	-4.249	-0.0051	-2.5 to 2.5	Pass
					4.43	-3.819	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-2.589	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-3.176	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-2.646	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-1.717	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-1.545	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.289	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-1.788	-0.0021	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-16.079	-0.0191	-2.5 to 2.5	Pass
					3.85	-14.620	-0.0173	-2.5 to 2.5	Pass
					4.43	-17.066	-0.0202	-2.5 to 2.5	Pass
				-30	3.85	-15.707	-0.0186	-2.5 to 2.5	Pass
				-20	3.85	-14.734	-0.0175	-2.5 to 2.5	Pass
				-10	3.85	-16.537	-0.0196	-2.5 to 2.5	Pass
				0	3.85	-15.550	-0.0184	-2.5 to 2.5	Pass
				10	3.85	-15.850	-0.0188	-2.5 to 2.5	Pass
				30	3.85	-16.079	-0.0191	-2.5 to 2.5	Pass
				40	3.85	-16.522	-0.0196	-2.5 to 2.5	Pass
				50	3.85	-16.537	-0.0196	-2.5 to 2.5	Pass

5. Frequency Stability

5.1 B7_5MHz

5.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	28.768	0.0115	-2.5 to 2.5	Pass
					3.85	17.424	0.0070	-2.5 to 2.5	Pass
					4.43	14.763	0.0059	-2.5 to 2.5	Pass
				-30	3.85	4.249	0.0017	-2.5 to 2.5	Pass
				-20	3.85	2.789	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.701	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.446	-0.0010	-2.5 to 2.5	Pass
				10	3.85	1.516	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.987	0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.931	-0.0008	-2.5 to 2.5	Pass
				50	3.85	1.345	0.0005	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	34.318	0.0135	-2.5 to 2.5	Pass
					3.85	32.673	0.0129	-2.5 to 2.5	Pass
					4.43	31.343	0.0124	-2.5 to 2.5	Pass
				-30	3.85	25.907	0.0102	-2.5 to 2.5	Pass
				-20	3.85	21.858	0.0086	-2.5 to 2.5	Pass
				-10	3.85	17.481	0.0069	-2.5 to 2.5	Pass
				0	3.85	17.681	0.0070	-2.5 to 2.5	Pass
				10	3.85	19.655	0.0078	-2.5 to 2.5	Pass
				30	3.85	18.983	0.0075	-2.5 to 2.5	Pass
				40	3.85	17.023	0.0067	-2.5 to 2.5	Pass
				50	3.85	21.858	0.0086	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	23.532	0.0092	-2.5 to 2.5	Pass
					3.85	15.965	0.0062	-2.5 to 2.5	Pass
					4.43	10.557	0.0041	-2.5 to 2.5	Pass
				-30	3.85	9.413	0.0037	-2.5 to 2.5	Pass
				-20	3.85	8.454	0.0033	-2.5 to 2.5	Pass
				-10	3.85	15.106	0.0059	-2.5 to 2.5	Pass
				0	3.85	14.019	0.0055	-2.5 to 2.5	Pass
				10	3.85	15.550	0.0061	-2.5 to 2.5	Pass
				30	3.85	19.856	0.0077	-2.5 to 2.5	Pass
				40	3.85	26.922	0.0105	-2.5 to 2.5	Pass
				50	3.85	24.261	0.0094	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	0.858	0.0003	-2.5 to 2.5	Pass
					3.85	2.146	0.0009	-2.5 to 2.5	Pass
					4.43	0.572	0.0002	-2.5 to 2.5	Pass
				-30	3.85	4.420	0.0018	-2.5 to 2.5	Pass
				-20	3.85	6.824	0.0027	-2.5 to 2.5	Pass
				-10	3.85	7.467	0.0030	-2.5 to 2.5	Pass
				0	3.85	4.334	0.0017	-2.5 to 2.5	Pass
				10	3.85	7.110	0.0028	-2.5 to 2.5	Pass
				30	3.85	3.963	0.0016	-2.5 to 2.5	Pass
				40	3.85	5.422	0.0022	-2.5 to 2.5	Pass
				50	3.85	5.879	0.0023	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	19.383	0.0076	-2.5 to 2.5	Pass
					3.85	21.372	0.0084	-2.5 to 2.5	Pass
					4.43	21.529	0.0085	-2.5 to 2.5	Pass
				-30	3.85	22.516	0.0089	-2.5 to 2.5	Pass
				-20	3.85	22.874	0.0090	-2.5 to 2.5	Pass
				-10	3.85	23.589	0.0093	-2.5 to 2.5	Pass
				0	3.85	22.044	0.0087	-2.5 to 2.5	Pass
				10	3.85	24.247	0.0096	-2.5 to 2.5	Pass
				30	3.85	22.674	0.0089	-2.5 to 2.5	Pass
				40	3.85	21.987	0.0087	-2.5 to 2.5	Pass

				50	3.85	22.588	0.0089	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	32.058	0.0125	-2.5 to 2.5	Pass
					3.85	35.291	0.0137	-2.5 to 2.5	Pass
					4.43	36.321	0.0141	-2.5 to 2.5	Pass
					-30	3.85	40.112	0.0156	-2.5 to 2.5
				-20	3.85	43.502	0.0169	-2.5 to 2.5	Pass
				-10	3.85	45.633	0.0178	-2.5 to 2.5	Pass
				0	3.85	49.911	0.0194	-2.5 to 2.5	Pass
				10	3.85	48.366	0.0188	-2.5 to 2.5	Pass
				30	3.85	16.365	0.0064	-2.5 to 2.5	Pass
				40	3.85	15.321	0.0060	-2.5 to 2.5	Pass
				50	3.85	19.083	0.0074	-2.5 to 2.5	Pass

5.2 B7_10MHz

5.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.27	-2.432	-0.0010	-2.5 to 2.5	Pass
					3.85	-28.939	-0.0116	-2.5 to 2.5	Pass
					4.43	-40.927	-0.0163	-2.5 to 2.5	Pass
				-30	3.85	-45.447	-0.0181	-2.5 to 2.5	Pass
				-20	3.85	-9.341	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-9.427	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-7.324	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-4.020	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.114	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				50	3.85	3.204	0.0013	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	36.650	0.0145	-2.5 to 2.5	Pass
					3.85	27.065	0.0107	-2.5 to 2.5	Pass
					4.43	20.428	0.0081	-2.5 to 2.5	Pass
				-30	3.85	22.888	0.0090	-2.5 to 2.5	Pass
				-20	3.85	20.599	0.0081	-2.5 to 2.5	Pass
				-10	3.85	24.719	0.0098	-2.5 to 2.5	Pass
				0	3.85	24.090	0.0095	-2.5 to 2.5	Pass
				10	3.85	26.307	0.0104	-2.5 to 2.5	Pass
				30	3.85	27.552	0.0109	-2.5 to 2.5	Pass
				40	3.85	28.181	0.0111	-2.5 to 2.5	Pass
				50	3.85	34.575	0.0136	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	6.609	0.0026	-2.5 to 2.5	Pass
					3.85	-3.619	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.290	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-7.110	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	2.332	0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.890	0.0011	-2.5 to 2.5	Pass
				0	3.85	14.849	0.0058	-2.5 to 2.5	Pass
				10	3.85	22.116	0.0086	-2.5 to 2.5	Pass
				30	3.85	31.686	0.0124	-2.5 to 2.5	Pass
				40	3.85	36.106	0.0141	-2.5 to 2.5	Pass
				50	3.85	41.013	0.0160	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	4.191	0.0017	-2.5 to 2.5	Pass
					3.85	11.745	0.0047	-2.5 to 2.5	Pass

					4.43	9.069	0.0036	-2.5 to 2.5	Pass
				-30	3.85	2.918	0.0012	-2.5 to 2.5	Pass
				-20	3.85	6.638	0.0026	-2.5 to 2.5	Pass
				-10	3.85	8.483	0.0034	-2.5 to 2.5	Pass
				0	3.85	5.994	0.0024	-2.5 to 2.5	Pass
				10	3.85	1.574	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.760	0.0007	-2.5 to 2.5	Pass
				40	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.114	0.0000	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	28.224	0.0111	-2.5 to 2.5	Pass
					3.85	34.375	0.0136	-2.5 to 2.5	Pass
					4.43	33.503	0.0132	-2.5 to 2.5	Pass
				-30	3.85	30.971	0.0122	-2.5 to 2.5	Pass
				-20	3.85	32.158	0.0127	-2.5 to 2.5	Pass
				-10	3.85	28.181	0.0111	-2.5 to 2.5	Pass
				0	3.85	27.909	0.0110	-2.5 to 2.5	Pass
				10	3.85	23.632	0.0093	-2.5 to 2.5	Pass
				30	3.85	24.748	0.0098	-2.5 to 2.5	Pass
				40	3.85	22.173	0.0087	-2.5 to 2.5	Pass
				50	3.85	22.159	0.0087	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	12.760	0.0050	-2.5 to 2.5	Pass
					3.85	18.411	0.0072	-2.5 to 2.5	Pass
					4.43	19.913	0.0078	-2.5 to 2.5	Pass
				-30	3.85	20.685	0.0081	-2.5 to 2.5	Pass
				-20	3.85	17.095	0.0067	-2.5 to 2.5	Pass
				-10	3.85	21.658	0.0084	-2.5 to 2.5	Pass
				0	3.85	22.345	0.0087	-2.5 to 2.5	Pass
				10	3.85	19.341	0.0075	-2.5 to 2.5	Pass
				30	3.85	26.436	0.0103	-2.5 to 2.5	Pass
				40	3.85	28.396	0.0111	-2.5 to 2.5	Pass
				50	3.85	27.080	0.0106	-2.5 to 2.5	Pass

5.3 B7_15MHz

5.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.27	-3.419	-0.0014	-2.5 to 2.5	Pass
					3.85	-28.281	-0.0113	-2.5 to 2.5	Pass
					4.43	-42.114	-0.0168	-2.5 to 2.5	Pass
				-30	3.85	-42.629	-0.0170	-2.5 to 2.5	Pass
				-20	3.85	-42.229	-0.0168	-2.5 to 2.5	Pass
				-10	3.85	-42.343	-0.0169	-2.5 to 2.5	Pass
				0	3.85	-38.767	-0.0155	-2.5 to 2.5	Pass
				10	3.85	-35.405	-0.0141	-2.5 to 2.5	Pass
				30	3.85	-35.291	-0.0141	-2.5 to 2.5	Pass
				40	3.85	-31.857	-0.0127	-2.5 to 2.5	Pass
				50	3.85	-29.297	-0.0117	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	17.295	0.0068	-2.5 to 2.5	Pass
					3.85	8.097	0.0032	-2.5 to 2.5	Pass
					4.43	7.138	0.0028	-2.5 to 2.5	Pass
				-30	3.85	5.479	0.0022	-2.5 to 2.5	Pass
				-20	3.85	3.619	0.0014	-2.5 to 2.5	Pass

				-10	3.85	6.437	0.0025	-2.5 to 2.5	Pass
				0	3.85	9.599	0.0038	-2.5 to 2.5	Pass
				10	3.85	12.116	0.0048	-2.5 to 2.5	Pass
				30	3.85	14.277	0.0056	-2.5 to 2.5	Pass
				40	3.85	17.223	0.0068	-2.5 to 2.5	Pass
				50	3.85	22.173	0.0087	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	18.539	0.0072	-2.5 to 2.5	Pass
					3.85	13.461	0.0053	-2.5 to 2.5	Pass
					4.43	13.776	0.0054	-2.5 to 2.5	Pass
				-30	3.85	18.997	0.0074	-2.5 to 2.5	Pass
				-20	3.85	29.440	0.0115	-2.5 to 2.5	Pass
				-10	3.85	39.210	0.0153	-2.5 to 2.5	Pass
				0	3.85	45.533	0.0178	-2.5 to 2.5	Pass
				10	3.85	14.806	0.0058	-2.5 to 2.5	Pass
				30	3.85	21.944	0.0086	-2.5 to 2.5	Pass
				40	3.85	33.231	0.0130	-2.5 to 2.5	Pass
				50	3.85	36.292	0.0142	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-29.526	-0.0118	-2.5 to 2.5	Pass
					3.85	-26.836	-0.0107	-2.5 to 2.5	Pass
					4.43	-23.031	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-27.123	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-29.325	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-35.090	-0.0140	-2.5 to 2.5	Pass
				0	3.85	-36.321	-0.0145	-2.5 to 2.5	Pass
				10	3.85	-37.594	-0.0150	-2.5 to 2.5	Pass
				30	3.85	-37.823	-0.0151	-2.5 to 2.5	Pass
				40	3.85	-38.223	-0.0152	-2.5 to 2.5	Pass
	2535	75	0	50	3.85	-42.272	-0.0169	-2.5 to 2.5	Pass
				20	3.27	24.490	0.0097	-2.5 to 2.5	Pass
					3.85	21.501	0.0085	-2.5 to 2.5	Pass
					4.43	22.845	0.0090	-2.5 to 2.5	Pass
				-30	3.85	19.426	0.0077	-2.5 to 2.5	Pass
				-20	3.85	18.840	0.0074	-2.5 to 2.5	Pass
				-10	3.85	13.547	0.0053	-2.5 to 2.5	Pass
				0	3.85	13.232	0.0052	-2.5 to 2.5	Pass
				10	3.85	15.106	0.0060	-2.5 to 2.5	Pass
				30	3.85	9.069	0.0036	-2.5 to 2.5	Pass
				40	3.85	9.856	0.0039	-2.5 to 2.5	Pass
				50	3.85	14.148	0.0056	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	33.073	0.0129	-2.5 to 2.5	Pass
					3.85	2.890	0.0011	-2.5 to 2.5	Pass
					4.43	4.606	0.0018	-2.5 to 2.5	Pass
				-30	3.85	4.535	0.0018	-2.5 to 2.5	Pass
				-20	3.85	6.752	0.0026	-2.5 to 2.5	Pass
				-10	3.85	1.287	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.944	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.358	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.887	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass

5.4 B7_20MHz

5.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.27	23.990	0.0096	-2.5 to 2.5	Pass
					3.85	-3.576	-0.0014	-2.5 to 2.5	Pass
					4.43	-4.907	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.519	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-4.077	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	1.717	0.0007	-2.5 to 2.5	Pass
				0	3.85	7.324	0.0029	-2.5 to 2.5	Pass
				10	3.85	9.198	0.0037	-2.5 to 2.5	Pass
				30	3.85	13.719	0.0055	-2.5 to 2.5	Pass
				40	3.85	15.521	0.0062	-2.5 to 2.5	Pass
				50	3.85	16.580	0.0066	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	18.625	0.0073	-2.5 to 2.5	Pass
					3.85	5.007	0.0020	-2.5 to 2.5	Pass
					4.43	4.606	0.0018	-2.5 to 2.5	Pass
				-30	3.85	4.106	0.0016	-2.5 to 2.5	Pass
				-20	3.85	7.467	0.0029	-2.5 to 2.5	Pass
				-10	3.85	10.829	0.0043	-2.5 to 2.5	Pass
				0	3.85	21.944	0.0087	-2.5 to 2.5	Pass
				10	3.85	24.905	0.0098	-2.5 to 2.5	Pass
				30	3.85	26.493	0.0105	-2.5 to 2.5	Pass
				40	3.85	30.355	0.0120	-2.5 to 2.5	Pass
				50	3.85	32.430	0.0128	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	40.112	0.0157	-2.5 to 2.5	Pass
					3.85	30.642	0.0120	-2.5 to 2.5	Pass
					4.43	34.375	0.0134	-2.5 to 2.5	Pass
				-30	3.85	27.294	0.0107	-2.5 to 2.5	Pass
				-20	3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	7.796	0.0030	-2.5 to 2.5	Pass
				0	3.85	27.909	0.0109	-2.5 to 2.5	Pass
				10	3.85	36.936	0.0144	-2.5 to 2.5	Pass
				30	3.85	19.670	0.0077	-2.5 to 2.5	Pass
				40	3.85	18.997	0.0074	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	17.509	0.0070	-2.5 to 2.5	Pass
					3.85	20.685	0.0082	-2.5 to 2.5	Pass
					4.43	19.155	0.0076	-2.5 to 2.5	Pass
				-30	3.85	12.045	0.0048	-2.5 to 2.5	Pass
				-20	3.85	10.929	0.0044	-2.5 to 2.5	Pass
				-10	3.85	10.614	0.0042	-2.5 to 2.5	Pass
				0	3.85	8.726	0.0035	-2.5 to 2.5	Pass
				10	3.85	4.363	0.0017	-2.5 to 2.5	Pass
				30	3.85	2.489	0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.029	0.0000	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	36.349	0.0143	-2.5 to 2.5	Pass
					3.85	32.816	0.0129	-2.5 to 2.5	Pass
					4.43	30.656	0.0121	-2.5 to 2.5	Pass
				-30	3.85	30.041	0.0119	-2.5 to 2.5	Pass
				-20	3.85	27.509	0.0109	-2.5 to 2.5	Pass
				-10	3.85	22.888	0.0090	-2.5 to 2.5	Pass
				0	3.85	19.598	0.0077	-2.5 to 2.5	Pass
				10	3.85	17.781	0.0070	-2.5 to 2.5	Pass
				30	3.85	16.923	0.0067	-2.5 to 2.5	Pass
				40	3.85	15.764	0.0062	-2.5 to 2.5	Pass

				50	3.85	14.577	0.0058	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	31.729	0.0124	-2.5 to 2.5	Pass
					3.85	40.240	0.0157	-2.5 to 2.5	Pass
					4.43	40.011	0.0156	-2.5 to 2.5	Pass
					-30	3.85	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-24.576	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-29.869	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-33.774	-0.0132	-2.5 to 2.5	Pass
				10	3.85	-35.677	-0.0139	-2.5 to 2.5	Pass
				30	3.85	-36.163	-0.0141	-2.5 to 2.5	Pass
				40	3.85	-36.635	-0.0143	-2.5 to 2.5	Pass
				50	3.85	-34.533	-0.0135	-2.5 to 2.5	Pass