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	3.3	-1.202	-0.0006	-2.5 to 2.5	Pass
					3.6	-4.778	-0.0026	-2.5 to 2.5	Pass
					4.2	-43.159	-0.0233	-2.5 to 2.5	Pass
				-30	3.6	-22.316	-0.0121	-2.5 to 2.5	Pass
				-20	3.6	-32.902	-0.0178	-2.5 to 2.5	Pass
				-10	3.6	-45.791	-0.0247	-2.5 to 2.5	Pass
				0	3.6	-26.922	-0.0145	-2.5 to 2.5	Pass
				10	3.6	-35.319	-0.0191	-2.5 to 2.5	Pass
				30	3.6	-40.255	-0.0218	-2.5 to 2.5	Pass
				40	3.6	-17.009	-0.0092	-2.5 to 2.5	Pass
				50	3.6	-3.333	-0.0018	-2.5 to 2.5	Pass
	1880	6	0	20	3.3	48.695	0.0259	-2.5 to 2.5	Pass
					3.6	13.490	0.0072	-2.5 to 2.5	Pass
					4.2	7.753	0.0041	-2.5 to 2.5	Pass
				-30	3.6	-6.137	-0.0033	-2.5 to 2.5	Pass
				-20	3.6	-28.052	-0.0149	-2.5 to 2.5	Pass
				-10	3.6	-53.043	-0.0282	-2.5 to 2.5	Pass
				0	3.6	-29.540	-0.0157	-2.5 to 2.5	Pass
				10	3.6	-7.911	-0.0042	-2.5 to 2.5	Pass
				30	3.6	-31.285	-0.0166	-2.5 to 2.5	Pass
				40	3.6	2.718	0.0014	-2.5 to 2.5	Pass
				50	3.6	-20.642	-0.0110	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.3	13.876	0.0073	-2.5 to 2.5	Pass
					3.6	-12.646	-0.0066	-2.5 to 2.5	Pass
					4.2	-13.733	-0.0072	-2.5 to 2.5	Pass
				-30	3.6	-1.059	-0.0006	-2.5 to 2.5	Pass
				-20	3.6	-22.731	-0.0119	-2.5 to 2.5	Pass
				-10	3.6	-44.847	-0.0235	-2.5 to 2.5	Pass
				0	3.6	-2.232	-0.0012	-2.5 to 2.5	Pass
				10	3.6	-27.094	-0.0142	-2.5 to 2.5	Pass
				30	3.6	-26.107	-0.0137	-2.5 to 2.5	Pass
				40	3.6	9.799	0.0051	-2.5 to 2.5	Pass
				50	3.6	-11.745	-0.0062	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.3	-24.648	-0.0133	-2.5 to 2.5	Pass
					3.6	-31.586	-0.0171	-2.5 to 2.5	Pass
					4.2	-26.636	-0.0144	-2.5 to 2.5	Pass
				-30	3.6	-15.392	-0.0083	-2.5 to 2.5	Pass
				-20	3.6	-36.049	-0.0195	-2.5 to 2.5	Pass
				-10	3.6	-40.584	-0.0219	-2.5 to 2.5	Pass
				0	3.6	-26.464	-0.0143	-2.5 to 2.5	Pass
				10	3.6	-39.382	-0.0213	-2.5 to 2.5	Pass
				30	3.6	-25.163	-0.0136	-2.5 to 2.5	Pass
				40	3.6	-33.503	-0.0181	-2.5 to 2.5	Pass
				50	3.6	-24.533	-0.0133	-2.5 to 2.5	Pass
	1880	6	0	20	3.3	-18.353	-0.0098	-2.5 to 2.5	Pass
					3.6	-43.173	-0.0230	-2.5 to 2.5	Pass

					4.2	-2.575	-0.0014	-2.5 to 2.5	Pass
				-30	3.6	-22.717	-0.0121	-2.5 to 2.5	Pass
				-20	3.6	-41.041	-0.0218	-2.5 to 2.5	Pass
				-10	3.6	-24.104	-0.0128	-2.5 to 2.5	Pass
				0	3.6	-40.298	-0.0214	-2.5 to 2.5	Pass
				10	3.6	4.649	0.0025	-2.5 to 2.5	Pass
				30	3.6	-12.074	-0.0064	-2.5 to 2.5	Pass
				40	3.6	-26.350	-0.0140	-2.5 to 2.5	Pass
				50	3.6	-3.676	-0.0020	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.3	-39.425	-0.0206	-2.5 to 2.5	Pass
					3.6	-31.872	-0.0167	-2.5 to 2.5	Pass
					4.2	-35.291	-0.0185	-2.5 to 2.5	Pass
				-30	3.6	-39.625	-0.0208	-2.5 to 2.5	Pass
				-20	3.6	-32.701	-0.0171	-2.5 to 2.5	Pass
				-10	3.6	-27.552	-0.0144	-2.5 to 2.5	Pass
				0	3.6	-22.788	-0.0119	-2.5 to 2.5	Pass
				10	3.6	-10.099	-0.0053	-2.5 to 2.5	Pass
				30	3.6	-15.593	-0.0082	-2.5 to 2.5	Pass
				40	3.6	-36.707	-0.0192	-2.5 to 2.5	Pass
				50	3.6	-22.688	-0.0119	-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	3.3	14.191	0.0077	-2.5 to 2.5	Pass
					3.6	5.693	0.0031	-2.5 to 2.5	Pass
					4.2	-11.702	-0.0063	-2.5 to 2.5	Pass
				-30	3.6	-34.904	-0.0189	-2.5 to 2.5	Pass
				-20	3.6	-2.489	-0.0013	-2.5 to 2.5	Pass
				-10	3.6	-38.366	-0.0207	-2.5 to 2.5	Pass
				0	3.6	-37.379	-0.0202	-2.5 to 2.5	Pass
				10	3.6	-10.929	-0.0059	-2.5 to 2.5	Pass
				30	3.6	-6.552	-0.0035	-2.5 to 2.5	Pass
				40	3.6	-34.018	-0.0184	-2.5 to 2.5	Pass
				50	3.6	-37.308	-0.0202	-2.5 to 2.5	Pass
	1880	15	0	20	3.3	-9.155	-0.0049	-2.5 to 2.5	Pass
					3.6	-19.541	-0.0104	-2.5 to 2.5	Pass
					4.2	-24.762	-0.0132	-2.5 to 2.5	Pass
				-30	3.6	-32.759	-0.0174	-2.5 to 2.5	Pass
				-20	3.6	-40.441	-0.0215	-2.5 to 2.5	Pass
				-10	3.6	-22.745	-0.0121	-2.5 to 2.5	Pass
				0	3.6	-17.567	-0.0093	-2.5 to 2.5	Pass
				10	3.6	-21.801	-0.0116	-2.5 to 2.5	Pass
				30	3.6	-29.383	-0.0156	-2.5 to 2.5	Pass
				40	3.6	-32.516	-0.0173	-2.5 to 2.5	Pass
				50	3.6	-39.740	-0.0211	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.3	-2.875	-0.0015	-2.5 to 2.5	Pass
					3.6	-0.300	-0.0002	-2.5 to 2.5	Pass
					4.2	-1.760	-0.0009	-2.5 to 2.5	Pass
				-30	3.6	-7.782	-0.0041	-2.5 to 2.5	Pass
				-20	3.6	-17.881	-0.0094	-2.5 to 2.5	Pass

				-10	3.6	-30.727	-0.0161	-2.5 to 2.5	Pass
				0	3.6	-41.556	-0.0218	-2.5 to 2.5	Pass
				10	3.6	-47.107	-0.0247	-2.5 to 2.5	Pass
				30	3.6	-3.448	-0.0018	-2.5 to 2.5	Pass
				40	3.6	-16.165	-0.0085	-2.5 to 2.5	Pass
				50	3.6	-28.667	-0.0150	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.3	-12.460	-0.0067	-2.5 to 2.5	Pass
					3.6	-42.858	-0.0231	-2.5 to 2.5	Pass
					4.2	-33.746	-0.0182	-2.5 to 2.5	Pass
				-30	3.6	1.416	0.0008	-2.5 to 2.5	Pass
				-20	3.6	-26.479	-0.0143	-2.5 to 2.5	Pass
				-10	3.6	-11.673	-0.0063	-2.5 to 2.5	Pass
				0	3.6	-36.893	-0.0199	-2.5 to 2.5	Pass
				10	3.6	-9.742	-0.0053	-2.5 to 2.5	Pass
				30	3.6	-32.129	-0.0174	-2.5 to 2.5	Pass
				40	3.6	-4.063	-0.0022	-2.5 to 2.5	Pass
				50	3.6	-26.922	-0.0145	-2.5 to 2.5	Pass
	1880	15	0	20	3.3	17.266	0.0092	-2.5 to 2.5	Pass
					3.6	12.145	0.0065	-2.5 to 2.5	Pass
					4.2	7.668	0.0041	-2.5 to 2.5	Pass
				-30	3.6	6.495	0.0035	-2.5 to 2.5	Pass
				-20	3.6	4.520	0.0024	-2.5 to 2.5	Pass
				-10	3.6	1.774	0.0009	-2.5 to 2.5	Pass
				0	3.6	0.386	0.0002	-2.5 to 2.5	Pass
				10	3.6	-2.046	-0.0011	-2.5 to 2.5	Pass
				30	3.6	-2.503	-0.0013	-2.5 to 2.5	Pass
				40	3.6	-4.864	-0.0026	-2.5 to 2.5	Pass
				50	3.6	-5.622	-0.0030	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.3	-7.339	-0.0038	-2.5 to 2.5	Pass
					3.6	-20.628	-0.0108	-2.5 to 2.5	Pass
					4.2	-30.928	-0.0162	-2.5 to 2.5	Pass
				-30	3.6	-41.871	-0.0219	-2.5 to 2.5	Pass
				-20	3.6	-13.947	-0.0073	-2.5 to 2.5	Pass
				-10	3.6	5.021	0.0026	-2.5 to 2.5	Pass
				0	3.6	-5.379	-0.0028	-2.5 to 2.5	Pass
				10	3.6	-13.661	-0.0072	-2.5 to 2.5	Pass
				30	3.6	-20.828	-0.0109	-2.5 to 2.5	Pass
				40	3.6	-26.836	-0.0141	-2.5 to 2.5	Pass
				50	3.6	-36.535	-0.0191	-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	3.3	9.985	0.0054	-2.5 to 2.5	Pass
					3.6	18.239	0.0098	-2.5 to 2.5	Pass
					4.2	12.131	0.0065	-2.5 to 2.5	Pass
				-30	3.6	1.245	0.0007	-2.5 to 2.5	Pass
				-20	3.6	-14.777	-0.0080	-2.5 to 2.5	Pass
				-10	3.6	-28.052	-0.0151	-2.5 to 2.5	Pass
				0	3.6	-45.562	-0.0246	-2.5 to 2.5	Pass
				10	3.6	-12.059	-0.0065	-2.5 to 2.5	Pass

				30	3.6	-23.890	-0.0129	-2.5 to 2.5	Pass
				40	3.6	-3.719	-0.0020	-2.5 to 2.5	Pass
				50	3.6	-3.419	-0.0018	-2.5 to 2.5	Pass
	1880	25	0	20	3.3	9.327	0.0050	-2.5 to 2.5	Pass
					3.6	18.811	0.0100	-2.5 to 2.5	Pass
					4.2	32.988	0.0175	-2.5 to 2.5	Pass
				-30	3.6	43.130	0.0229	-2.5 to 2.5	Pass
				-20	3.6	5.808	0.0031	-2.5 to 2.5	Pass
				-10	3.6	16.208	0.0086	-2.5 to 2.5	Pass
				0	3.6	25.234	0.0134	-2.5 to 2.5	Pass
				10	3.6	36.750	0.0195	-2.5 to 2.5	Pass
				30	3.6	43.945	0.0234	-2.5 to 2.5	Pass
				40	3.6	3.891	0.0021	-2.5 to 2.5	Pass
				50	3.6	14.634	0.0078	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.3	22.459	0.0118	-2.5 to 2.5	Pass
					3.6	29.640	0.0155	-2.5 to 2.5	Pass
					4.2	26.121	0.0137	-2.5 to 2.5	Pass
				-30	3.6	22.717	0.0119	-2.5 to 2.5	Pass
				-20	3.6	16.394	0.0086	-2.5 to 2.5	Pass
				-10	3.6	10.128	0.0053	-2.5 to 2.5	Pass
				0	3.6	3.233	0.0017	-2.5 to 2.5	Pass
				10	3.6	-3.405	-0.0018	-2.5 to 2.5	Pass
				30	3.6	-12.331	-0.0065	-2.5 to 2.5	Pass
				40	3.6	-17.681	-0.0093	-2.5 to 2.5	Pass
				50	3.6	-24.433	-0.0128	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.3	-17.538	-0.0095	-2.5 to 2.5	Pass
					3.6	-27.881	-0.0151	-2.5 to 2.5	Pass
					4.2	-34.475	-0.0186	-2.5 to 2.5	Pass
				-30	3.6	-41.084	-0.0222	-2.5 to 2.5	Pass
				-20	3.6	-46.463	-0.0251	-2.5 to 2.5	Pass
				-10	3.6	-0.429	-0.0002	-2.5 to 2.5	Pass
				0	3.6	-8.526	-0.0046	-2.5 to 2.5	Pass
				10	3.6	-10.386	-0.0056	-2.5 to 2.5	Pass
				30	3.6	-15.965	-0.0086	-2.5 to 2.5	Pass
				40	3.6	-18.253	-0.0099	-2.5 to 2.5	Pass
				50	3.6	-22.016	-0.0119	-2.5 to 2.5	Pass
	1880	25	0	20	3.3	18.597	0.0099	-2.5 to 2.5	Pass
					3.6	27.323	0.0145	-2.5 to 2.5	Pass
					4.2	38.981	0.0207	-2.5 to 2.5	Pass
				-30	3.6	36.249	0.0193	-2.5 to 2.5	Pass
				-20	3.6	7.467	0.0040	-2.5 to 2.5	Pass
				-10	3.6	18.568	0.0099	-2.5 to 2.5	Pass
				0	3.6	26.336	0.0140	-2.5 to 2.5	Pass
				10	3.6	35.377	0.0188	-2.5 to 2.5	Pass
				30	3.6	-5.050	-0.0027	-2.5 to 2.5	Pass
				40	3.6	3.591	0.0019	-2.5 to 2.5	Pass
				50	3.6	11.587	0.0062	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.3	-31.199	-0.0164	-2.5 to 2.5	Pass
					3.6	-31.886	-0.0167	-2.5 to 2.5	Pass
					4.2	-33.059	-0.0173	-2.5 to 2.5	Pass
				-30	3.6	-32.601	-0.0171	-2.5 to 2.5	Pass
				-20	3.6	-31.900	-0.0167	-2.5 to 2.5	Pass
				-10	3.6	-32.072	-0.0168	-2.5 to 2.5	Pass
				0	3.6	-31.414	-0.0165	-2.5 to 2.5	Pass
				10	3.6	-31.986	-0.0168	-2.5 to 2.5	Pass
				30	3.6	-30.098	-0.0158	-2.5 to 2.5	Pass
				40	3.6	-33.188	-0.0174	-2.5 to 2.5	Pass

				50	3.6	-29.440	-0.0154	-2.5 to 2.5	Pass

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	3.3	28.081	0.0151	-2.5 to 2.5	Pass
					3.6	23.761	0.0128	-2.5 to 2.5	Pass
					4.2	2.832	0.0015	-2.5 to 2.5	Pass
				-30	3.6	-25.535	-0.0138	-2.5 to 2.5	Pass
				-20	3.6	-10.729	-0.0058	-2.5 to 2.5	Pass
				-10	3.6	-34.976	-0.0189	-2.5 to 2.5	Pass
				0	3.6	-2.847	-0.0015	-2.5 to 2.5	Pass
				10	3.6	-27.251	-0.0147	-2.5 to 2.5	Pass
				30	3.6	-18.768	-0.0101	-2.5 to 2.5	Pass
				40	3.6	-38.323	-0.0207	-2.5 to 2.5	Pass
				50	3.6	1.431	0.0008	-2.5 to 2.5	Pass
	1880	50	0	20	3.3	6.266	0.0033	-2.5 to 2.5	Pass
					3.6	25.134	0.0134	-2.5 to 2.5	Pass
					4.2	39.897	0.0212	-2.5 to 2.5	Pass
				-30	3.6	19.169	0.0102	-2.5 to 2.5	Pass
				-20	3.6	29.583	0.0157	-2.5 to 2.5	Pass
				-10	3.6	43.488	0.0231	-2.5 to 2.5	Pass
				0	3.6	8.655	0.0046	-2.5 to 2.5	Pass
				10	3.6	18.196	0.0097	-2.5 to 2.5	Pass
				30	3.6	29.626	0.0158	-2.5 to 2.5	Pass
				40	3.6	37.079	0.0197	-2.5 to 2.5	Pass
				50	3.6	9.899	0.0053	-2.5 to 2.5	Pass
	1905	50	0	20	3.3	16.508	0.0087	-2.5 to 2.5	Pass
					3.6	18.382	0.0096	-2.5 to 2.5	Pass
					4.2	10.371	0.0054	-2.5 to 2.5	Pass
				-30	3.6	-1.588	-0.0008	-2.5 to 2.5	Pass
				-20	3.6	-13.318	-0.0070	-2.5 to 2.5	Pass
				-10	3.6	-24.819	-0.0130	-2.5 to 2.5	Pass
				0	3.6	-36.664	-0.0192	-2.5 to 2.5	Pass
				10	3.6	-45.719	-0.0240	-2.5 to 2.5	Pass
				30	3.6	-7.653	-0.0040	-2.5 to 2.5	Pass
				40	3.6	-17.238	-0.0090	-2.5 to 2.5	Pass
				50	3.6	-24.505	-0.0129	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.3	-23.475	-0.0127	-2.5 to 2.5	Pass
					3.6	-36.507	-0.0197	-2.5 to 2.5	Pass
					4.2	-8.941	-0.0048	-2.5 to 2.5	Pass
				-30	3.6	-16.437	-0.0089	-2.5 to 2.5	Pass
				-20	3.6	-21.443	-0.0116	-2.5 to 2.5	Pass
				-10	3.6	-30.928	-0.0167	-2.5 to 2.5	Pass
				0	3.6	-34.661	-0.0187	-2.5 to 2.5	Pass
				10	3.6	8.368	0.0045	-2.5 to 2.5	Pass
				30	3.6	1.702	0.0009	-2.5 to 2.5	Pass
				40	3.6	-4.764	-0.0026	-2.5 to 2.5	Pass
				50	3.6	-9.999	-0.0054	-2.5 to 2.5	Pass
	1880	50	0	20	3.3	16.193	0.0086	-2.5 to 2.5	Pass
					3.6	23.518	0.0125	-2.5 to 2.5	Pass

					4.2	36.392	0.0194	-2.5 to 2.5	Pass
				-30	3.6	32.701	0.0174	-2.5 to 2.5	Pass
				-20	3.6	0.329	0.0002	-2.5 to 2.5	Pass
				-10	3.6	11.458	0.0061	-2.5 to 2.5	Pass
				0	3.6	21.615	0.0115	-2.5 to 2.5	Pass
				10	3.6	30.985	0.0165	-2.5 to 2.5	Pass
				30	3.6	1.230	0.0007	-2.5 to 2.5	Pass
				40	3.6	7.968	0.0042	-2.5 to 2.5	Pass
				50	3.6	20.084	0.0107	-2.5 to 2.5	Pass
	1905	50	0	20	3.3	-33.560	-0.0176	-2.5 to 2.5	Pass
					3.6	-39.697	-0.0208	-2.5 to 2.5	Pass
					4.2	-39.268	-0.0206	-2.5 to 2.5	Pass
				-30	3.6	-38.052	-0.0200	-2.5 to 2.5	Pass
				-20	3.6	-38.095	-0.0200	-2.5 to 2.5	Pass
				-10	3.6	-39.382	-0.0207	-2.5 to 2.5	Pass
				0	3.6	-40.126	-0.0211	-2.5 to 2.5	Pass
				10	3.6	-40.169	-0.0211	-2.5 to 2.5	Pass
				30	3.6	-40.727	-0.0214	-2.5 to 2.5	Pass
				40	3.6	-38.867	-0.0204	-2.5 to 2.5	Pass
				50	3.6	-41.728	-0.0219	-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	3.3	44.947	0.0242	-2.5 to 2.5	Pass
					3.6	38.452	0.0207	-2.5 to 2.5	Pass
					4.2	15.106	0.0081	-2.5 to 2.5	Pass
				-30	3.6	-13.561	-0.0073	-2.5 to 2.5	Pass
				-20	3.6	-26.751	-0.0144	-2.5 to 2.5	Pass
				-10	3.6	-22.616	-0.0122	-2.5 to 2.5	Pass
				0	3.6	-45.404	-0.0244	-2.5 to 2.5	Pass
				10	3.6	-19.827	-0.0107	-2.5 to 2.5	Pass
				30	3.6	-28.925	-0.0156	-2.5 to 2.5	Pass
				40	3.6	-9.212	-0.0050	-2.5 to 2.5	Pass
				50	3.6	-28.682	-0.0154	-2.5 to 2.5	Pass
	1880	75	0	20	3.3	-6.766	-0.0036	-2.5 to 2.5	Pass
					3.6	4.692	0.0025	-2.5 to 2.5	Pass
					4.2	14.076	0.0075	-2.5 to 2.5	Pass
				-30	3.6	27.480	0.0146	-2.5 to 2.5	Pass
				-20	3.6	32.187	0.0171	-2.5 to 2.5	Pass
				-10	3.6	7.811	0.0042	-2.5 to 2.5	Pass
				0	3.6	15.922	0.0085	-2.5 to 2.5	Pass
				10	3.6	24.447	0.0130	-2.5 to 2.5	Pass
				30	3.6	33.517	0.0178	-2.5 to 2.5	Pass
				40	3.6	40.340	0.0215	-2.5 to 2.5	Pass
				50	3.6	44.847	0.0239	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.3	13.990	0.0074	-2.5 to 2.5	Pass
					3.6	12.102	0.0064	-2.5 to 2.5	Pass
					4.2	2.375	0.0012	-2.5 to 2.5	Pass
				-30	3.6	-10.557	-0.0055	-2.5 to 2.5	Pass
				-20	3.6	-21.758	-0.0114	-2.5 to 2.5	Pass

				-10	3.6	-34.447	-0.0181	-2.5 to 2.5	Pass
				0	3.6	-8.955	-0.0047	-2.5 to 2.5	Pass
				10	3.6	-21.086	-0.0111	-2.5 to 2.5	Pass
				30	3.6	-31.857	-0.0167	-2.5 to 2.5	Pass
				40	3.6	-41.471	-0.0218	-2.5 to 2.5	Pass
				50	3.6	-13.576	-0.0071	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.3	-47.436	-0.0255	-2.5 to 2.5	Pass
					3.6	-10.014	-0.0054	-2.5 to 2.5	Pass
					4.2	-19.512	-0.0105	-2.5 to 2.5	Pass
				-30	3.6	-24.791	-0.0133	-2.5 to 2.5	Pass
				-20	3.6	-31.185	-0.0168	-2.5 to 2.5	Pass
				-10	3.6	-34.990	-0.0188	-2.5 to 2.5	Pass
				0	3.6	-42.601	-0.0229	-2.5 to 2.5	Pass
				10	3.6	-46.105	-0.0248	-2.5 to 2.5	Pass
				30	3.6	-16.894	-0.0091	-2.5 to 2.5	Pass
				40	3.6	-19.798	-0.0107	-2.5 to 2.5	Pass
				50	3.6	-25.563	-0.0138	-2.5 to 2.5	Pass
	1880	75	0	20	3.3	-9.127	-0.0049	-2.5 to 2.5	Pass
					3.6	-2.875	-0.0015	-2.5 to 2.5	Pass
					4.2	6.795	0.0036	-2.5 to 2.5	Pass
				-30	3.6	16.007	0.0085	-2.5 to 2.5	Pass
				-20	3.6	27.323	0.0145	-2.5 to 2.5	Pass
				-10	3.6	37.136	0.0198	-2.5 to 2.5	Pass
				0	3.6	29.526	0.0157	-2.5 to 2.5	Pass
				10	3.6	17.209	0.0092	-2.5 to 2.5	Pass
				30	3.6	25.477	0.0136	-2.5 to 2.5	Pass
				40	3.6	32.444	0.0173	-2.5 to 2.5	Pass
				50	3.6	39.153	0.0208	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.3	3.304	0.0017	-2.5 to 2.5	Pass
					3.6	0.043	0.0000	-2.5 to 2.5	Pass
					4.2	-1.330	-0.0007	-2.5 to 2.5	Pass
				-30	3.6	-0.157	-0.0001	-2.5 to 2.5	Pass
				-20	3.6	0.958	0.0005	-2.5 to 2.5	Pass
				-10	3.6	1.831	0.0010	-2.5 to 2.5	Pass
				0	3.6	0.429	0.0002	-2.5 to 2.5	Pass
				10	3.6	2.317	0.0012	-2.5 to 2.5	Pass
				30	3.6	0.458	0.0002	-2.5 to 2.5	Pass
				40	3.6	-1.373	-0.0007	-2.5 to 2.5	Pass
				50	3.6	1.817	0.0010	-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	3.3	30.599	0.0165	-2.5 to 2.5	Pass
					3.6	21.758	0.0117	-2.5 to 2.5	Pass
					4.2	-1.416	-0.0008	-2.5 to 2.5	Pass
				-30	3.6	-24.247	-0.0130	-2.5 to 2.5	Pass
				-20	3.6	-34.690	-0.0187	-2.5 to 2.5	Pass
				-10	3.6	-5.050	-0.0027	-2.5 to 2.5	Pass
				0	3.6	-22.645	-0.0122	-2.5 to 2.5	Pass
				10	3.6	-40.770	-0.0219	-2.5 to 2.5	Pass

				30	3.6	-17.567	-0.0094	-2.5 to 2.5	Pass
				40	3.6	-32.201	-0.0173	-2.5 to 2.5	Pass
				50	3.6	-6.180	-0.0033	-2.5 to 2.5	Pass
	1880	100	0	20	3.3	-2.203	-0.0012	-2.5 to 2.5	Pass
					3.6	8.082	0.0043	-2.5 to 2.5	Pass
					4.2	15.278	0.0081	-2.5 to 2.5	Pass
				-30	3.6	24.161	0.0129	-2.5 to 2.5	Pass
				-20	3.6	32.473	0.0173	-2.5 to 2.5	Pass
				-10	3.6	39.897	0.0212	-2.5 to 2.5	Pass
				0	3.6	5.779	0.0031	-2.5 to 2.5	Pass
				10	3.6	11.773	0.0063	-2.5 to 2.5	Pass
				30	3.6	16.007	0.0085	-2.5 to 2.5	Pass
				40	3.6	20.585	0.0109	-2.5 to 2.5	Pass
				50	3.6	25.792	0.0137	-2.5 to 2.5	Pass
	1900	100	0	20	3.3	4.592	0.0024	-2.5 to 2.5	Pass
					3.6	0.229	0.0001	-2.5 to 2.5	Pass
					4.2	-13.747	-0.0072	-2.5 to 2.5	Pass
				-30	3.6	-27.652	-0.0146	-2.5 to 2.5	Pass
				-20	3.6	-42.186	-0.0222	-2.5 to 2.5	Pass
				-10	3.6	-55.346	-0.0291	-2.5 to 2.5	Pass
				0	3.6	-6.709	-0.0035	-2.5 to 2.5	Pass
				10	3.6	-16.737	-0.0088	-2.5 to 2.5	Pass
				30	3.6	-27.967	-0.0147	-2.5 to 2.5	Pass
				40	3.6	-37.436	-0.0197	-2.5 to 2.5	Pass
				50	3.6	-9.212	-0.0048	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.3	-8.354	-0.0045	-2.5 to 2.5	Pass
					3.6	-13.175	-0.0071	-2.5 to 2.5	Pass
					4.2	-16.222	-0.0087	-2.5 to 2.5	Pass
				-30	3.6	-17.624	-0.0095	-2.5 to 2.5	Pass
				-20	3.6	-20.213	-0.0109	-2.5 to 2.5	Pass
				-10	3.6	-23.417	-0.0126	-2.5 to 2.5	Pass
				0	3.6	-23.861	-0.0128	-2.5 to 2.5	Pass
				10	3.6	-27.781	-0.0149	-2.5 to 2.5	Pass
				30	3.6	-28.181	-0.0152	-2.5 to 2.5	Pass
				40	3.6	-29.783	-0.0160	-2.5 to 2.5	Pass
				50	3.6	-33.960	-0.0183	-2.5 to 2.5	Pass
	1880	100	0	20	3.3	29.855	0.0159	-2.5 to 2.5	Pass
					3.6	38.910	0.0207	-2.5 to 2.5	Pass
					4.2	48.780	0.0259	-2.5 to 2.5	Pass
				-30	3.6	19.898	0.0106	-2.5 to 2.5	Pass
				-20	3.6	26.450	0.0141	-2.5 to 2.5	Pass
				-10	3.6	34.690	0.0185	-2.5 to 2.5	Pass
				0	3.6	41.771	0.0222	-2.5 to 2.5	Pass
				10	3.6	46.906	0.0250	-2.5 to 2.5	Pass
				30	3.6	6.523	0.0035	-2.5 to 2.5	Pass
				40	3.6	14.391	0.0077	-2.5 to 2.5	Pass
				50	3.6	17.452	0.0093	-2.5 to 2.5	Pass
	1900	100	0	20	3.3	-20.185	-0.0106	-2.5 to 2.5	Pass
					3.6	-18.625	-0.0098	-2.5 to 2.5	Pass
					4.2	-17.295	-0.0091	-2.5 to 2.5	Pass
				-30	3.6	-16.136	-0.0085	-2.5 to 2.5	Pass
				-20	3.6	-16.136	-0.0085	-2.5 to 2.5	Pass
				-10	3.6	-15.121	-0.0080	-2.5 to 2.5	Pass
				0	3.6	-14.834	-0.0078	-2.5 to 2.5	Pass
				10	3.6	-15.264	-0.0080	-2.5 to 2.5	Pass
				30	3.6	-15.049	-0.0079	-2.5 to 2.5	Pass
				40	3.6	-15.464	-0.0081	-2.5 to 2.5	Pass

				50	3.6	-13.189	-0.0069	-2.5 to 2.5	Pass

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	3.3	-7.539	-0.0029	-2.5 to 2.5	Pass
					3.6	-4.478	-0.0017	-2.5 to 2.5	Pass
					4.2	-3.276	-0.0013	-2.5 to 2.5	Pass
				-30	3.6	0.572	0.0002	-2.5 to 2.5	Pass
				-20	3.6	-10.328	-0.0040	-2.5 to 2.5	Pass
				-10	3.6	-20.585	-0.0080	-2.5 to 2.5	Pass
				0	3.6	-32.687	-0.0127	-2.5 to 2.5	Pass
				10	3.6	-40.040	-0.0156	-2.5 to 2.5	Pass
				30	3.6	-44.460	-0.0173	-2.5 to 2.5	Pass
				40	3.6	-49.024	-0.0191	-2.5 to 2.5	Pass
				50	3.6	-51.370	-0.0200	-2.5 to 2.5	Pass
	2595	25	0	20	3.3	-26.250	-0.0101	-2.5 to 2.5	Pass
					3.6	-4.992	-0.0019	-2.5 to 2.5	Pass
					4.2	-9.527	-0.0037	-2.5 to 2.5	Pass
				-30	3.6	6.208	0.0024	-2.5 to 2.5	Pass
				-20	3.6	3.762	0.0014	-2.5 to 2.5	Pass
				-10	3.6	20.270	0.0078	-2.5 to 2.5	Pass
				0	3.6	24.104	0.0093	-2.5 to 2.5	Pass
				10	3.6	17.681	0.0068	-2.5 to 2.5	Pass
				30	3.6	23.503	0.0091	-2.5 to 2.5	Pass
				40	3.6	27.237	0.0105	-2.5 to 2.5	Pass
				50	3.6	40.069	0.0154	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.3	-38.638	-0.0148	-2.5 to 2.5	Pass
					3.6	-21.544	-0.0082	-2.5 to 2.5	Pass
					4.2	-12.889	-0.0049	-2.5 to 2.5	Pass
				-30	3.6	-7.339	-0.0028	-2.5 to 2.5	Pass
				-20	3.6	-5.007	-0.0019	-2.5 to 2.5	Pass
				-10	3.6	3.619	0.0014	-2.5 to 2.5	Pass
				0	3.6	12.460	0.0048	-2.5 to 2.5	Pass
				10	3.6	13.890	0.0053	-2.5 to 2.5	Pass
				30	3.6	21.987	0.0084	-2.5 to 2.5	Pass
				40	3.6	23.074	0.0088	-2.5 to 2.5	Pass
				50	3.6	27.394	0.0105	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.3	-41.671	-0.0162	-2.5 to 2.5	Pass
					3.6	-41.943	-0.0163	-2.5 to 2.5	Pass
					4.2	-45.419	-0.0177	-2.5 to 2.5	Pass
				-30	3.6	-32.730	-0.0127	-2.5 to 2.5	Pass
				-20	3.6	-34.189	-0.0133	-2.5 to 2.5	Pass
				-10	3.6	-28.696	-0.0112	-2.5 to 2.5	Pass
				0	3.6	-24.776	-0.0096	-2.5 to 2.5	Pass
				10	3.6	-17.281	-0.0067	-2.5 to 2.5	Pass
				30	3.6	1.745	0.0007	-2.5 to 2.5	Pass
				40	3.6	3.390	0.0013	-2.5 to 2.5	Pass

				50	3.6	2.475	0.0010	-2.5 to 2.5	Pass
	2595	25	0	20	3.3	37.565	0.0145	-2.5 to 2.5	Pass
					3.6	52.829	0.0204	-2.5 to 2.5	Pass
					4.2	-8.497	-0.0033	-2.5 to 2.5	Pass
				-30	3.6	11.029	0.0043	-2.5 to 2.5	Pass
				-20	3.6	23.189	0.0089	-2.5 to 2.5	Pass
				-10	3.6	32.659	0.0126	-2.5 to 2.5	Pass
				0	3.6	44.346	0.0171	-2.5 to 2.5	Pass
				10	3.6	54.746	0.0211	-2.5 to 2.5	Pass
				30	3.6	-4.263	-0.0016	-2.5 to 2.5	Pass
				40	3.6	2.618	0.0010	-2.5 to 2.5	Pass
				50	3.6	26.865	0.0104	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.3	37.479	0.0143	-2.5 to 2.5	Pass
					3.6	40.498	0.0155	-2.5 to 2.5	Pass
					4.2	12.617	0.0048	-2.5 to 2.5	Pass
				-30	3.6	22.902	0.0087	-2.5 to 2.5	Pass
				-20	3.6	38.209	0.0146	-2.5 to 2.5	Pass
				-10	3.6	17.967	0.0069	-2.5 to 2.5	Pass
				0	3.6	-3.204	-0.0012	-2.5 to 2.5	Pass
				10	3.6	6.237	0.0024	-2.5 to 2.5	Pass
				30	3.6	22.187	0.0085	-2.5 to 2.5	Pass
				40	3.6	28.782	0.0110	-2.5 to 2.5	Pass
				50	3.6	37.379	0.0143	-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	3.3	20.070	0.0078	-2.5 to 2.5	Pass
					3.6	35.620	0.0138	-2.5 to 2.5	Pass
					4.2	17.381	0.0067	-2.5 to 2.5	Pass
				-30	3.6	-11.487	-0.0045	-2.5 to 2.5	Pass
				-20	3.6	-28.553	-0.0111	-2.5 to 2.5	Pass
				-10	3.6	-45.519	-0.0177	-2.5 to 2.5	Pass
				0	3.6	-28.238	-0.0110	-2.5 to 2.5	Pass
				10	3.6	-41.828	-0.0162	-2.5 to 2.5	Pass
				30	3.6	-25.764	-0.0100	-2.5 to 2.5	Pass
				40	3.6	-20.671	-0.0080	-2.5 to 2.5	Pass
				50	3.6	-28.238	-0.0110	-2.5 to 2.5	Pass
	2595	50	0	20	3.3	-24.276	-0.0094	-2.5 to 2.5	Pass
					3.6	-6.909	-0.0027	-2.5 to 2.5	Pass
					4.2	-1.903	-0.0007	-2.5 to 2.5	Pass
				-30	3.6	2.389	0.0009	-2.5 to 2.5	Pass
				-20	3.6	19.684	0.0076	-2.5 to 2.5	Pass
				-10	3.6	26.050	0.0100	-2.5 to 2.5	Pass
				0	3.6	17.195	0.0066	-2.5 to 2.5	Pass
				10	3.6	33.002	0.0127	-2.5 to 2.5	Pass
				30	3.6	22.674	0.0087	-2.5 to 2.5	Pass
				40	3.6	26.064	0.0100	-2.5 to 2.5	Pass
				50	3.6	40.770	0.0157	-2.5 to 2.5	Pass
	2615	50	0	20	3.3	-48.494	-0.0185	-2.5 to 2.5	Pass
					3.6	-27.266	-0.0104	-2.5 to 2.5	Pass

					4.2	-13.504	-0.0052	-2.5 to 2.5	Pass
				-30	3.6	-6.709	-0.0026	-2.5 to 2.5	Pass
				-20	3.6	-0.529	-0.0002	-2.5 to 2.5	Pass
				-10	3.6	0.286	0.0001	-2.5 to 2.5	Pass
				0	3.6	5.207	0.0020	-2.5 to 2.5	Pass
				10	3.6	15.850	0.0061	-2.5 to 2.5	Pass
				30	3.6	19.684	0.0075	-2.5 to 2.5	Pass
				40	3.6	27.223	0.0104	-2.5 to 2.5	Pass
				50	3.6	37.737	0.0144	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.3	-24.748	-0.0096	-2.5 to 2.5	Pass
					3.6	-24.962	-0.0097	-2.5 to 2.5	Pass
					4.2	-27.595	-0.0107	-2.5 to 2.5	Pass
				-30	3.6	-11.430	-0.0044	-2.5 to 2.5	Pass
				-20	3.6	-4.420	-0.0017	-2.5 to 2.5	Pass
				-10	3.6	-10.157	-0.0039	-2.5 to 2.5	Pass
				0	3.6	6.895	0.0027	-2.5 to 2.5	Pass
				10	3.6	6.251	0.0024	-2.5 to 2.5	Pass
				30	3.6	17.009	0.0066	-2.5 to 2.5	Pass
				40	3.6	21.501	0.0083	-2.5 to 2.5	Pass
				50	3.6	24.433	0.0095	-2.5 to 2.5	Pass
	2595	50	0	20	3.3	49.982	0.0193	-2.5 to 2.5	Pass
					3.6	13.003	0.0050	-2.5 to 2.5	Pass
					4.2	23.961	0.0092	-2.5 to 2.5	Pass
				-30	3.6	51.913	0.0200	-2.5 to 2.5	Pass
				-20	3.6	19.512	0.0075	-2.5 to 2.5	Pass
				-10	3.6	43.001	0.0166	-2.5 to 2.5	Pass
				0	3.6	1.702	0.0007	-2.5 to 2.5	Pass
				10	3.6	10.371	0.0040	-2.5 to 2.5	Pass
				30	3.6	31.071	0.0120	-2.5 to 2.5	Pass
				40	3.6	47.479	0.0183	-2.5 to 2.5	Pass
				50	3.6	29.426	0.0113	-2.5 to 2.5	Pass
	2615	50	0	20	3.3	40.941	0.0157	-2.5 to 2.5	Pass
					3.6	17.738	0.0068	-2.5 to 2.5	Pass
					4.2	31.700	0.0121	-2.5 to 2.5	Pass
				-30	3.6	-0.057	0.0000	-2.5 to 2.5	Pass
				-20	3.6	18.983	0.0073	-2.5 to 2.5	Pass
				-10	3.6	26.736	0.0102	-2.5 to 2.5	Pass
				0	3.6	35.405	0.0135	-2.5 to 2.5	Pass
				10	3.6	-6.866	-0.0026	-2.5 to 2.5	Pass
				30	3.6	9.642	0.0037	-2.5 to 2.5	Pass
				40	3.6	23.131	0.0088	-2.5 to 2.5	Pass
				50	3.6	27.208	0.0104	-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	3.3	-12.302	-0.0048	-2.5 to 2.5	Pass
					3.6	-8.082	-0.0031	-2.5 to 2.5	Pass
					4.2	-21.000	-0.0081	-2.5 to 2.5	Pass
				-30	3.6	-38.223	-0.0148	-2.5 to 2.5	Pass
				-20	3.6	-1.602	-0.0006	-2.5 to 2.5	Pass

				-10	3.6	-24.104	-0.0094	-2.5 to 2.5	Pass
				0	3.6	-39.296	-0.0152	-2.5 to 2.5	Pass
				10	3.6	-39.926	-0.0155	-2.5 to 2.5	Pass
				30	3.6	-18.053	-0.0070	-2.5 to 2.5	Pass
				40	3.6	-34.604	-0.0134	-2.5 to 2.5	Pass
				50	3.6	-36.507	-0.0142	-2.5 to 2.5	Pass
	2595	75	0	20	3.3	-43.902	-0.0169	-2.5 to 2.5	Pass
					3.6	-31.114	-0.0120	-2.5 to 2.5	Pass
					4.2	-28.796	-0.0111	-2.5 to 2.5	Pass
				-30	3.6	-26.579	-0.0102	-2.5 to 2.5	Pass
				-20	3.6	-30.541	-0.0118	-2.5 to 2.5	Pass
				-10	3.6	-29.597	-0.0114	-2.5 to 2.5	Pass
				0	3.6	-20.399	-0.0079	-2.5 to 2.5	Pass
				10	3.6	-30.856	-0.0119	-2.5 to 2.5	Pass
				30	3.6	-31.800	-0.0123	-2.5 to 2.5	Pass
				40	3.6	-17.309	-0.0067	-2.5 to 2.5	Pass
				50	3.6	-17.538	-0.0068	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.3	-24.676	-0.0094	-2.5 to 2.5	Pass
					3.6	-28.353	-0.0109	-2.5 to 2.5	Pass
					4.2	-2.232	-0.0009	-2.5 to 2.5	Pass
				-30	3.6	2.475	0.0009	-2.5 to 2.5	Pass
				-20	3.6	-2.518	-0.0010	-2.5 to 2.5	Pass
				-10	3.6	-23.932	-0.0092	-2.5 to 2.5	Pass
				0	3.6	-25.263	-0.0097	-2.5 to 2.5	Pass
				10	3.6	-21.229	-0.0081	-2.5 to 2.5	Pass
				30	3.6	3.333	0.0013	-2.5 to 2.5	Pass
				40	3.6	3.877	0.0015	-2.5 to 2.5	Pass
				50	3.6	6.967	0.0027	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.3	-38.552	-0.0150	-2.5 to 2.5	Pass
					3.6	-33.460	-0.0130	-2.5 to 2.5	Pass
					4.2	-32.401	-0.0126	-2.5 to 2.5	Pass
				-30	3.6	-18.153	-0.0070	-2.5 to 2.5	Pass
				-20	3.6	-14.462	-0.0056	-2.5 to 2.5	Pass
				-10	3.6	-7.267	-0.0028	-2.5 to 2.5	Pass
				0	3.6	4.249	0.0016	-2.5 to 2.5	Pass
				10	3.6	7.110	0.0028	-2.5 to 2.5	Pass
				30	3.6	13.218	0.0051	-2.5 to 2.5	Pass
				40	3.6	23.031	0.0089	-2.5 to 2.5	Pass
				50	3.6	26.693	0.0104	-2.5 to 2.5	Pass
	2595	75	0	20	3.3	-7.010	-0.0027	-2.5 to 2.5	Pass
					3.6	-0.830	-0.0003	-2.5 to 2.5	Pass
					4.2	3.633	0.0014	-2.5 to 2.5	Pass
				-30	3.6	17.982	0.0069	-2.5 to 2.5	Pass
				-20	3.6	29.297	0.0113	-2.5 to 2.5	Pass
				-10	3.6	56.105	0.0216	-2.5 to 2.5	Pass
				0	3.6	16.193	0.0062	-2.5 to 2.5	Pass
				10	3.6	28.982	0.0112	-2.5 to 2.5	Pass
				30	3.6	55.532	0.0214	-2.5 to 2.5	Pass
				40	3.6	-10.815	-0.0042	-2.5 to 2.5	Pass
				50	3.6	10.972	0.0042	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.3	8.926	0.0034	-2.5 to 2.5	Pass
					3.6	20.027	0.0077	-2.5 to 2.5	Pass
					4.2	8.469	0.0032	-2.5 to 2.5	Pass
				-30	3.6	44.403	0.0170	-2.5 to 2.5	Pass
				-20	3.6	31.943	0.0122	-2.5 to 2.5	Pass
				-10	3.6	-12.617	-0.0048	-2.5 to 2.5	Pass
				0	3.6	20.056	0.0077	-2.5 to 2.5	Pass

				10	3.6	28.095	0.0108	-2.5 to 2.5	Pass
				30	3.6	41.313	0.0158	-2.5 to 2.5	Pass
				40	3.6	30.026	0.0115	-2.5 to 2.5	Pass
				50	3.6	59.552	0.0228	-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	3.3	7.524	0.0029	-2.5 to 2.5	Pass
					3.6	4.749	0.0018	-2.5 to 2.5	Pass
					4.2	-24.319	-0.0094	-2.5 to 2.5	Pass
				-30	3.6	-23.074	-0.0089	-2.5 to 2.5	Pass
				-20	3.6	-16.422	-0.0064	-2.5 to 2.5	Pass
				-10	3.6	-30.169	-0.0117	-2.5 to 2.5	Pass
				0	3.6	-51.255	-0.0199	-2.5 to 2.5	Pass
				10	3.6	-21.915	-0.0085	-2.5 to 2.5	Pass
				30	3.6	-31.142	-0.0121	-2.5 to 2.5	Pass
				40	3.6	1.974	0.0008	-2.5 to 2.5	Pass
				50	3.6	-22.488	-0.0087	-2.5 to 2.5	Pass
	2595	100	0	20	3.3	21.200	0.0082	-2.5 to 2.5	Pass
					3.6	24.076	0.0093	-2.5 to 2.5	Pass
					4.2	41.785	0.0161	-2.5 to 2.5	Pass
				-30	3.6	24.290	0.0094	-2.5 to 2.5	Pass
				-20	3.6	43.345	0.0167	-2.5 to 2.5	Pass
				-10	3.6	32.043	0.0123	-2.5 to 2.5	Pass
				0	3.6	45.533	0.0175	-2.5 to 2.5	Pass
				10	3.6	35.663	0.0137	-2.5 to 2.5	Pass
				30	3.6	54.531	0.0210	-2.5 to 2.5	Pass
				40	3.6	40.669	0.0157	-2.5 to 2.5	Pass
				50	3.6	58.050	0.0224	-2.5 to 2.5	Pass
	2610	100	0	20	3.3	-53.000	-0.0203	-2.5 to 2.5	Pass
					3.6	-35.877	-0.0137	-2.5 to 2.5	Pass
					4.2	-35.563	-0.0136	-2.5 to 2.5	Pass
				-30	3.6	-25.277	-0.0097	-2.5 to 2.5	Pass
				-20	3.6	-42.472	-0.0163	-2.5 to 2.5	Pass
				-10	3.6	-45.190	-0.0173	-2.5 to 2.5	Pass
				0	3.6	-46.363	-0.0178	-2.5 to 2.5	Pass
				10	3.6	-34.418	-0.0132	-2.5 to 2.5	Pass
				30	3.6	-34.132	-0.0131	-2.5 to 2.5	Pass
				40	3.6	-30.169	-0.0116	-2.5 to 2.5	Pass
				50	3.6	-30.684	-0.0118	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.3	-24.133	-0.0094	-2.5 to 2.5	Pass
					3.6	-25.220	-0.0098	-2.5 to 2.5	Pass
					4.2	-18.039	-0.0070	-2.5 to 2.5	Pass
				-30	3.6	-4.320	-0.0017	-2.5 to 2.5	Pass
				-20	3.6	10.657	0.0041	-2.5 to 2.5	Pass
				-10	3.6	6.495	0.0025	-2.5 to 2.5	Pass
				0	3.6	20.957	0.0081	-2.5 to 2.5	Pass
				10	3.6	21.200	0.0082	-2.5 to 2.5	Pass
				30	3.6	34.003	0.0132	-2.5 to 2.5	Pass
				40	3.6	33.202	0.0129	-2.5 to 2.5	Pass

				50	3.6	38.581	0.0150	-2.5 to 2.5	Pass
	2595	100	0	20	3.3	1.431	0.0006	-2.5 to 2.5	Pass
					3.6	12.517	0.0048	-2.5 to 2.5	Pass
					4.2	15.106	0.0058	-2.5 to 2.5	Pass
				-30	3.6	43.688	0.0168	-2.5 to 2.5	Pass
				-20	3.6	23.575	0.0091	-2.5 to 2.5	Pass
				-10	3.6	40.641	0.0157	-2.5 to 2.5	Pass
				0	3.6	40.784	0.0157	-2.5 to 2.5	Pass
				10	3.6	-11.215	-0.0043	-2.5 to 2.5	Pass
				30	3.6	11.716	0.0045	-2.5 to 2.5	Pass
				40	3.6	9.971	0.0038	-2.5 to 2.5	Pass
				50	3.6	30.456	0.0117	-2.5 to 2.5	Pass
	2610	100	0	20	3.3	-25.005	-0.0096	-2.5 to 2.5	Pass
					3.6	-12.460	-0.0048	-2.5 to 2.5	Pass
					4.2	-10.543	-0.0040	-2.5 to 2.5	Pass
				-30	3.6	19.040	0.0073	-2.5 to 2.5	Pass
				-20	3.6	40.326	0.0155	-2.5 to 2.5	Pass
				-10	3.6	31.099	0.0119	-2.5 to 2.5	Pass
				0	3.6	19.627	0.0075	-2.5 to 2.5	Pass
				10	3.6	36.936	0.0142	-2.5 to 2.5	Pass
				30	3.6	36.607	0.0140	-2.5 to 2.5	Pass
				40	3.6	31.657	0.0121	-2.5 to 2.5	Pass
				50	3.6	34.976	0.0134	-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	3.3	1.502	0.0009	-2.5 to 2.5	Pass
					3.6	-31.071	-0.0182	-2.5 to 2.5	Pass
					4.2	-10.285	-0.0060	-2.5 to 2.5	Pass
				-30	3.6	-20.499	-0.0120	-2.5 to 2.5	Pass
				-20	3.6	-27.838	-0.0163	-2.5 to 2.5	Pass
				-10	3.6	-36.020	-0.0211	-2.5 to 2.5	Pass
				0	3.6	-24.920	-0.0146	-2.5 to 2.5	Pass
				10	3.6	-35.176	-0.0206	-2.5 to 2.5	Pass
				30	3.6	-10.958	-0.0064	-2.5 to 2.5	Pass
				40	3.6	-24.433	-0.0143	-2.5 to 2.5	Pass
				50	3.6	-26.321	-0.0154	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.3	-14.706	-0.0085	-2.5 to 2.5	Pass
					3.6	-13.003	-0.0075	-2.5 to 2.5	Pass
					4.2	-26.636	-0.0154	-2.5 to 2.5	Pass
				-30	3.6	-5.808	-0.0034	-2.5 to 2.5	Pass
				-20	3.6	-35.219	-0.0203	-2.5 to 2.5	Pass
				-10	3.6	-31.800	-0.0184	-2.5 to 2.5	Pass
				0	3.6	-39.167	-0.0226	-2.5 to 2.5	Pass
				10	3.6	-33.774	-0.0195	-2.5 to 2.5	Pass
				30	3.6	-13.676	-0.0079	-2.5 to 2.5	Pass
				40	3.6	-43.488	-0.0251	-2.5 to 2.5	Pass

				50	3.6	-37.851	-0.0218	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.3	-4.563	-0.0026	-2.5 to 2.5	Pass
					3.6	-15.306	-0.0087	-2.5 to 2.5	Pass
					4.2	-26.565	-0.0151	-2.5 to 2.5	Pass
				-30	3.6	-38.652	-0.0220	-2.5 to 2.5	Pass
				-20	3.6	-4.363	-0.0025	-2.5 to 2.5	Pass
				-10	3.6	-16.937	-0.0097	-2.5 to 2.5	Pass
				0	3.6	-30.198	-0.0172	-2.5 to 2.5	Pass
				10	3.6	-7.625	-0.0043	-2.5 to 2.5	Pass
				30	3.6	-25.678	-0.0146	-2.5 to 2.5	Pass
				40	3.6	-13.018	-0.0074	-2.5 to 2.5	Pass
				50	3.6	-17.495	-0.0100	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.3	-10.128	-0.0059	-2.5 to 2.5	Pass
					3.6	-21.372	-0.0125	-2.5 to 2.5	Pass
					4.2	-16.665	-0.0097	-2.5 to 2.5	Pass
				-30	3.6	-24.190	-0.0141	-2.5 to 2.5	Pass
				-20	3.6	-28.725	-0.0168	-2.5 to 2.5	Pass
				-10	3.6	-19.455	-0.0114	-2.5 to 2.5	Pass
				0	3.6	-8.640	-0.0051	-2.5 to 2.5	Pass
				10	3.6	-6.280	-0.0037	-2.5 to 2.5	Pass
				30	3.6	-3.762	-0.0022	-2.5 to 2.5	Pass
				40	3.6	-36.850	-0.0215	-2.5 to 2.5	Pass
				50	3.6	-30.813	-0.0180	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.3	-19.441	-0.0112	-2.5 to 2.5	Pass
					3.6	-9.098	-0.0053	-2.5 to 2.5	Pass
					4.2	-30.098	-0.0174	-2.5 to 2.5	Pass
				-30	3.6	-21.343	-0.0123	-2.5 to 2.5	Pass
				-20	3.6	7.253	0.0042	-2.5 to 2.5	Pass
				-10	3.6	-14.391	-0.0083	-2.5 to 2.5	Pass
				0	3.6	-33.846	-0.0195	-2.5 to 2.5	Pass
				10	3.6	-12.975	-0.0075	-2.5 to 2.5	Pass
				30	3.6	-30.499	-0.0176	-2.5 to 2.5	Pass
				40	3.6	-11.244	-0.0065	-2.5 to 2.5	Pass
				50	3.6	-28.753	-0.0166	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.3	-31.986	-0.0182	-2.5 to 2.5	Pass
					3.6	-9.484	-0.0054	-2.5 to 2.5	Pass
					4.2	-22.244	-0.0127	-2.5 to 2.5	Pass
				-30	3.6	-35.148	-0.0200	-2.5 to 2.5	Pass
				-20	3.6	-9.227	-0.0053	-2.5 to 2.5	Pass
				-10	3.6	-20.528	-0.0117	-2.5 to 2.5	Pass
				0	3.6	-30.828	-0.0176	-2.5 to 2.5	Pass
				10	3.6	-40.727	-0.0232	-2.5 to 2.5	Pass
				30	3.6	2.232	0.0013	-2.5 to 2.5	Pass
				40	3.6	-8.454	-0.0048	-2.5 to 2.5	Pass
				50	3.6	-17.552	-0.0100	-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	3.3	23.818	0.0139	-2.5 to 2.5	Pass
					3.6	24.390	0.0143	-2.5 to 2.5	Pass

					4.2	14.992	0.0088	-2.5 to 2.5	Pass
				-30	3.6	-3.462	-0.0020	-2.5 to 2.5	Pass
				-20	3.6	-25.377	-0.0148	-2.5 to 2.5	Pass
				-10	3.6	-12.703	-0.0074	-2.5 to 2.5	Pass
				0	3.6	-18.768	-0.0110	-2.5 to 2.5	Pass
				10	3.6	-25.635	-0.0150	-2.5 to 2.5	Pass
				30	3.6	-11.330	-0.0066	-2.5 to 2.5	Pass
				40	3.6	-36.206	-0.0212	-2.5 to 2.5	Pass
				50	3.6	-8.683	-0.0051	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.3	-6.866	-0.0040	-2.5 to 2.5	Pass
					3.6	-17.009	-0.0098	-2.5 to 2.5	Pass
					4.2	-31.629	-0.0183	-2.5 to 2.5	Pass
				-30	3.6	-10.858	-0.0063	-2.5 to 2.5	Pass
				-20	3.6	-31.443	-0.0181	-2.5 to 2.5	Pass
				-10	3.6	-3.662	-0.0021	-2.5 to 2.5	Pass
				0	3.6	-24.676	-0.0142	-2.5 to 2.5	Pass
				10	3.6	4.220	0.0024	-2.5 to 2.5	Pass
				30	3.6	-18.296	-0.0106	-2.5 to 2.5	Pass
				40	3.6	-2.160	-0.0012	-2.5 to 2.5	Pass
				50	3.6	-23.503	-0.0136	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.3	4.063	0.0023	-2.5 to 2.5	Pass
					3.6	-3.791	-0.0022	-2.5 to 2.5	Pass
					4.2	-10.614	-0.0061	-2.5 to 2.5	Pass
				-30	3.6	-20.542	-0.0117	-2.5 to 2.5	Pass
				-20	3.6	-32.229	-0.0184	-2.5 to 2.5	Pass
				-10	3.6	-4.649	-0.0027	-2.5 to 2.5	Pass
				0	3.6	-14.920	-0.0085	-2.5 to 2.5	Pass
				10	3.6	-25.434	-0.0145	-2.5 to 2.5	Pass
				30	3.6	-13.990	-0.0080	-2.5 to 2.5	Pass
				40	3.6	-14.162	-0.0081	-2.5 to 2.5	Pass
				50	3.6	-24.476	-0.0140	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.3	-37.293	-0.0218	-2.5 to 2.5	Pass
					3.6	-22.717	-0.0133	-2.5 to 2.5	Pass
					4.2	-7.496	-0.0044	-2.5 to 2.5	Pass
				-30	3.6	-26.693	-0.0156	-2.5 to 2.5	Pass
				-20	3.6	-8.655	-0.0051	-2.5 to 2.5	Pass
				-10	3.6	-23.088	-0.0135	-2.5 to 2.5	Pass
				0	3.6	-37.951	-0.0222	-2.5 to 2.5	Pass
				10	3.6	-4.177	-0.0024	-2.5 to 2.5	Pass
				30	3.6	-17.753	-0.0104	-2.5 to 2.5	Pass
				40	3.6	-29.826	-0.0174	-2.5 to 2.5	Pass
				50	3.6	-28.667	-0.0167	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.3	-9.155	-0.0053	-2.5 to 2.5	Pass
					3.6	-29.483	-0.0170	-2.5 to 2.5	Pass
					4.2	-10.128	-0.0058	-2.5 to 2.5	Pass
				-30	3.6	-27.509	-0.0159	-2.5 to 2.5	Pass
				-20	3.6	-42.758	-0.0247	-2.5 to 2.5	Pass
				-10	3.6	-20.900	-0.0121	-2.5 to 2.5	Pass
				0	3.6	-36.821	-0.0213	-2.5 to 2.5	Pass
				10	3.6	-19.498	-0.0113	-2.5 to 2.5	Pass
				30	3.6	-12.774	-0.0074	-2.5 to 2.5	Pass
				40	3.6	-26.236	-0.0151	-2.5 to 2.5	Pass
				50	3.6	-38.924	-0.0225	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.3	-36.321	-0.0207	-2.5 to 2.5	Pass
					3.6	-9.341	-0.0053	-2.5 to 2.5	Pass
					4.2	-19.326	-0.0110	-2.5 to 2.5	Pass
				-30	3.6	-27.938	-0.0159	-2.5 to 2.5	Pass

				-20	3.6	-32.945	-0.0188	-2.5 to 2.5	Pass
				-10	3.6	-40.097	-0.0229	-2.5 to 2.5	Pass
				0	3.6	-8.211	-0.0047	-2.5 to 2.5	Pass
				10	3.6	-16.093	-0.0092	-2.5 to 2.5	Pass
				30	3.6	-20.957	-0.0120	-2.5 to 2.5	Pass
				40	3.6	-26.822	-0.0153	-2.5 to 2.5	Pass
				50	3.6	-32.129	-0.0183	-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	3.3	21.358	0.0125	-2.5 to 2.5	Pass
					3.6	21.143	0.0123	-2.5 to 2.5	Pass
					4.2	21.887	0.0128	-2.5 to 2.5	Pass
				-30	3.6	24.862	0.0145	-2.5 to 2.5	Pass
				-20	3.6	24.662	0.0144	-2.5 to 2.5	Pass
				-10	3.6	27.809	0.0162	-2.5 to 2.5	Pass
				0	3.6	30.642	0.0179	-2.5 to 2.5	Pass
				10	3.6	31.085	0.0182	-2.5 to 2.5	Pass
				30	3.6	34.261	0.0200	-2.5 to 2.5	Pass
				40	3.6	34.776	0.0203	-2.5 to 2.5	Pass
				50	3.6	34.318	0.0200	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.3	-1.659	-0.0010	-2.5 to 2.5	Pass
					3.6	-0.887	-0.0005	-2.5 to 2.5	Pass
					4.2	-8.669	-0.0050	-2.5 to 2.5	Pass
				-30	3.6	-13.633	-0.0079	-2.5 to 2.5	Pass
				-20	3.6	-20.385	-0.0118	-2.5 to 2.5	Pass
				-10	3.6	-24.405	-0.0141	-2.5 to 2.5	Pass
				0	3.6	-29.025	-0.0168	-2.5 to 2.5	Pass
				10	3.6	-32.115	-0.0185	-2.5 to 2.5	Pass
				30	3.6	-33.932	-0.0196	-2.5 to 2.5	Pass
				40	3.6	-35.591	-0.0205	-2.5 to 2.5	Pass
				50	3.6	-38.524	-0.0222	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.3	0.272	0.0002	-2.5 to 2.5	Pass
					3.6	2.475	0.0014	-2.5 to 2.5	Pass
					4.2	0.772	0.0004	-2.5 to 2.5	Pass
				-30	3.6	0.515	0.0003	-2.5 to 2.5	Pass
				-20	3.6	-2.618	-0.0015	-2.5 to 2.5	Pass
				-10	3.6	-1.888	-0.0011	-2.5 to 2.5	Pass
				0	3.6	0.186	0.0001	-2.5 to 2.5	Pass
				10	3.6	-2.489	-0.0014	-2.5 to 2.5	Pass
				30	3.6	0.715	0.0004	-2.5 to 2.5	Pass
				40	3.6	-3.848	-0.0022	-2.5 to 2.5	Pass
				50	3.6	-3.519	-0.0020	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.3	36.836	0.0215	-2.5 to 2.5	Pass
					3.6	39.268	0.0229	-2.5 to 2.5	Pass
					4.2	6.151	0.0036	-2.5 to 2.5	Pass
				-30	3.6	8.354	0.0049	-2.5 to 2.5	Pass
				-20	3.6	11.373	0.0066	-2.5 to 2.5	Pass
				-10	3.6	12.746	0.0074	-2.5 to 2.5	Pass
				0	3.6	15.664	0.0091	-2.5 to 2.5	Pass

				10	3.6	19.813	0.0116	-2.5 to 2.5	Pass
				30	3.6	21.873	0.0128	-2.5 to 2.5	Pass
				40	3.6	24.047	0.0140	-2.5 to 2.5	Pass
				50	3.6	26.965	0.0157	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.3	-41.285	-0.0238	-2.5 to 2.5	Pass
					3.6	-4.864	-0.0028	-2.5 to 2.5	Pass
					4.2	-5.150	-0.0030	-2.5 to 2.5	Pass
				-30	3.6	-3.304	-0.0019	-2.5 to 2.5	Pass
				-20	3.6	-5.736	-0.0033	-2.5 to 2.5	Pass
				-10	3.6	-5.622	-0.0032	-2.5 to 2.5	Pass
				0	3.6	-4.306	-0.0025	-2.5 to 2.5	Pass
				10	3.6	-4.206	-0.0024	-2.5 to 2.5	Pass
				30	3.6	-4.249	-0.0025	-2.5 to 2.5	Pass
				40	3.6	-4.292	-0.0025	-2.5 to 2.5	Pass
				50	3.6	-5.794	-0.0033	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.3	-4.206	-0.0024	-2.5 to 2.5	Pass
					3.6	-0.801	-0.0005	-2.5 to 2.5	Pass
					4.2	-3.219	-0.0018	-2.5 to 2.5	Pass
				-30	3.6	0.343	0.0002	-2.5 to 2.5	Pass
				-20	3.6	-1.802	-0.0010	-2.5 to 2.5	Pass
				-10	3.6	2.117	0.0012	-2.5 to 2.5	Pass
				0	3.6	4.091	0.0023	-2.5 to 2.5	Pass
				10	3.6	4.849	0.0028	-2.5 to 2.5	Pass
				30	3.6	5.364	0.0031	-2.5 to 2.5	Pass
				40	3.6	5.550	0.0032	-2.5 to 2.5	Pass
				50	3.6	5.393	0.0031	-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	3.3	5.794	0.0034	-2.5 to 2.5	Pass
					3.6	6.566	0.0038	-2.5 to 2.5	Pass
					4.2	8.740	0.0051	-2.5 to 2.5	Pass
				-30	3.6	10.428	0.0061	-2.5 to 2.5	Pass
				-20	3.6	13.332	0.0078	-2.5 to 2.5	Pass
				-10	3.6	15.693	0.0092	-2.5 to 2.5	Pass
				0	3.6	15.893	0.0093	-2.5 to 2.5	Pass
				10	3.6	16.651	0.0097	-2.5 to 2.5	Pass
				30	3.6	19.526	0.0114	-2.5 to 2.5	Pass
				40	3.6	20.900	0.0122	-2.5 to 2.5	Pass
				50	3.6	23.346	0.0136	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.3	7.796	0.0045	-2.5 to 2.5	Pass
					3.6	5.050	0.0029	-2.5 to 2.5	Pass
					4.2	-5.994	-0.0035	-2.5 to 2.5	Pass
				-30	3.6	-16.551	-0.0096	-2.5 to 2.5	Pass
				-20	3.6	-22.917	-0.0132	-2.5 to 2.5	Pass
				-10	3.6	-29.926	-0.0173	-2.5 to 2.5	Pass
				0	3.6	-38.238	-0.0221	-2.5 to 2.5	Pass
				10	3.6	-4.292	-0.0025	-2.5 to 2.5	Pass
				30	3.6	0.415	0.0002	-2.5 to 2.5	Pass
				40	3.6	-5.565	-0.0032	-2.5 to 2.5	Pass

				50	3.6	-8.097	-0.0047	-2.5 to 2.5	Pass
	1750	50	0	20	3.3	-9.871	-0.0056	-2.5 to 2.5	Pass
					3.6	-8.812	-0.0050	-2.5 to 2.5	Pass
					4.2	-7.911	-0.0045	-2.5 to 2.5	Pass
				-30	3.6	-8.583	-0.0049	-2.5 to 2.5	Pass
				-20	3.6	-8.297	-0.0047	-2.5 to 2.5	Pass
				-10	3.6	-9.627	-0.0055	-2.5 to 2.5	Pass
				0	3.6	-6.981	-0.0040	-2.5 to 2.5	Pass
				10	3.6	-6.938	-0.0040	-2.5 to 2.5	Pass
				30	3.6	-7.524	-0.0043	-2.5 to 2.5	Pass
				40	3.6	-5.178	-0.0030	-2.5 to 2.5	Pass
				50	3.6	-6.981	-0.0040	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.3	24.705	0.0144	-2.5 to 2.5	Pass
					3.6	28.367	0.0165	-2.5 to 2.5	Pass
					4.2	32.430	0.0189	-2.5 to 2.5	Pass
				-30	3.6	35.133	0.0205	-2.5 to 2.5	Pass
				-20	3.6	1.960	0.0011	-2.5 to 2.5	Pass
				-10	3.6	3.676	0.0021	-2.5 to 2.5	Pass
				0	3.6	10.757	0.0063	-2.5 to 2.5	Pass
				10	3.6	15.149	0.0088	-2.5 to 2.5	Pass
				30	3.6	17.781	0.0104	-2.5 to 2.5	Pass
				40	3.6	21.143	0.0123	-2.5 to 2.5	Pass
				50	3.6	26.250	0.0153	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.3	-12.317	-0.0071	-2.5 to 2.5	Pass
					3.6	-9.956	-0.0057	-2.5 to 2.5	Pass
					4.2	-10.099	-0.0058	-2.5 to 2.5	Pass
				-30	3.6	-12.016	-0.0069	-2.5 to 2.5	Pass
				-20	3.6	-14.176	-0.0082	-2.5 to 2.5	Pass
				-10	3.6	-12.803	-0.0074	-2.5 to 2.5	Pass
				0	3.6	-11.616	-0.0067	-2.5 to 2.5	Pass
				10	3.6	-11.015	-0.0064	-2.5 to 2.5	Pass
				30	3.6	-9.828	-0.0057	-2.5 to 2.5	Pass
				40	3.6	-10.915	-0.0063	-2.5 to 2.5	Pass
				50	3.6	-14.133	-0.0082	-2.5 to 2.5	Pass
	1750	50	0	20	3.3	-5.994	-0.0034	-2.5 to 2.5	Pass
					3.6	-4.063	-0.0023	-2.5 to 2.5	Pass
					4.2	-2.632	-0.0015	-2.5 to 2.5	Pass
				-30	3.6	-1.130	-0.0006	-2.5 to 2.5	Pass
				-20	3.6	5.078	0.0029	-2.5 to 2.5	Pass
				-10	3.6	7.353	0.0042	-2.5 to 2.5	Pass
				0	3.6	7.753	0.0044	-2.5 to 2.5	Pass
				10	3.6	11.501	0.0066	-2.5 to 2.5	Pass
				30	3.6	11.702	0.0067	-2.5 to 2.5	Pass
				40	3.6	13.232	0.0076	-2.5 to 2.5	Pass
				50	3.6	14.806	0.0085	-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	3.3	27.151	0.0158	-2.5 to 2.5	Pass
					3.6	-0.558	-0.0003	-2.5 to 2.5	Pass

					4.2	-0.472	-0.0003	-2.5 to 2.5	Pass
				-30	3.6	-2.289	-0.0013	-2.5 to 2.5	Pass
				-20	3.6	-1.888	-0.0011	-2.5 to 2.5	Pass
				-10	3.6	-2.904	-0.0017	-2.5 to 2.5	Pass
				0	3.6	-1.087	-0.0006	-2.5 to 2.5	Pass
				10	3.6	-2.046	-0.0012	-2.5 to 2.5	Pass
				30	3.6	-2.918	-0.0017	-2.5 to 2.5	Pass
				40	3.6	-0.458	-0.0003	-2.5 to 2.5	Pass
				50	3.6	0.644	0.0004	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.3	24.834	0.0143	-2.5 to 2.5	Pass
					3.6	19.341	0.0112	-2.5 to 2.5	Pass
					4.2	8.154	0.0047	-2.5 to 2.5	Pass
				-30	3.6	3.405	0.0020	-2.5 to 2.5	Pass
				-20	3.6	-5.465	-0.0032	-2.5 to 2.5	Pass
				-10	3.6	-11.044	-0.0064	-2.5 to 2.5	Pass
				0	3.6	-16.937	-0.0098	-2.5 to 2.5	Pass
				10	3.6	-24.376	-0.0141	-2.5 to 2.5	Pass
				30	3.6	-26.708	-0.0154	-2.5 to 2.5	Pass
				40	3.6	-31.943	-0.0184	-2.5 to 2.5	Pass
				50	3.6	-36.321	-0.0210	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.3	9.971	0.0057	-2.5 to 2.5	Pass
					3.6	10.486	0.0060	-2.5 to 2.5	Pass
					4.2	8.826	0.0051	-2.5 to 2.5	Pass
				-30	3.6	9.670	0.0055	-2.5 to 2.5	Pass
				-20	3.6	10.543	0.0060	-2.5 to 2.5	Pass
				-10	3.6	9.398	0.0054	-2.5 to 2.5	Pass
				0	3.6	9.112	0.0052	-2.5 to 2.5	Pass
				10	3.6	11.344	0.0065	-2.5 to 2.5	Pass
				30	3.6	10.099	0.0058	-2.5 to 2.5	Pass
				40	3.6	10.557	0.0060	-2.5 to 2.5	Pass
				50	3.6	12.317	0.0070	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.3	-3.190	-0.0019	-2.5 to 2.5	Pass
					3.6	1.888	0.0011	-2.5 to 2.5	Pass
					4.2	2.460	0.0014	-2.5 to 2.5	Pass
				-30	3.6	5.550	0.0032	-2.5 to 2.5	Pass
				-20	3.6	11.473	0.0067	-2.5 to 2.5	Pass
				-10	3.6	12.288	0.0072	-2.5 to 2.5	Pass
				0	3.6	14.777	0.0086	-2.5 to 2.5	Pass
				10	3.6	17.524	0.0102	-2.5 to 2.5	Pass
				30	3.6	20.456	0.0119	-2.5 to 2.5	Pass
				40	3.6	23.189	0.0135	-2.5 to 2.5	Pass
				50	3.6	26.336	0.0153	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.3	-35.234	-0.0203	-2.5 to 2.5	Pass
					3.6	-4.148	-0.0024	-2.5 to 2.5	Pass
					4.2	-3.719	-0.0021	-2.5 to 2.5	Pass
				-30	3.6	-5.894	-0.0034	-2.5 to 2.5	Pass
				-20	3.6	-3.462	-0.0020	-2.5 to 2.5	Pass
				-10	3.6	-3.934	-0.0023	-2.5 to 2.5	Pass
				0	3.6	-1.688	-0.0010	-2.5 to 2.5	Pass
				10	3.6	-1.159	-0.0007	-2.5 to 2.5	Pass
				30	3.6	-1.502	-0.0009	-2.5 to 2.5	Pass
				40	3.6	-0.486	-0.0003	-2.5 to 2.5	Pass
				50	3.6	0.973	0.0006	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.3	10.643	0.0061	-2.5 to 2.5	Pass
					3.6	14.849	0.0085	-2.5 to 2.5	Pass
					4.2	17.481	0.0100	-2.5 to 2.5	Pass
				-30	3.6	20.614	0.0118	-2.5 to 2.5	Pass

				-20	3.6	21.014	0.0120	-2.5 to 2.5	Pass
				-10	3.6	24.605	0.0141	-2.5 to 2.5	Pass
				0	3.6	26.193	0.0150	-2.5 to 2.5	Pass
				10	3.6	26.135	0.0150	-2.5 to 2.5	Pass
				30	3.6	29.469	0.0169	-2.5 to 2.5	Pass
				40	3.6	30.127	0.0172	-2.5 to 2.5	Pass
				50	3.6	32.201	0.0184	-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	3.3	36.149	0.0210	-2.5 to 2.5	Pass
					3.6	37.165	0.0216	-2.5 to 2.5	Pass
					4.2	35.748	0.0208	-2.5 to 2.5	Pass
				-30	3.6	33.288	0.0194	-2.5 to 2.5	Pass
				-20	3.6	31.371	0.0182	-2.5 to 2.5	Pass
				-10	3.6	29.197	0.0170	-2.5 to 2.5	Pass
				0	3.6	25.978	0.0151	-2.5 to 2.5	Pass
				10	3.6	26.035	0.0151	-2.5 to 2.5	Pass
				30	3.6	24.705	0.0144	-2.5 to 2.5	Pass
				40	3.6	20.270	0.0118	-2.5 to 2.5	Pass
				50	3.6	21.286	0.0124	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.3	12.932	0.0075	-2.5 to 2.5	Pass
					3.6	7.982	0.0046	-2.5 to 2.5	Pass
					4.2	-1.144	-0.0007	-2.5 to 2.5	Pass
				-30	3.6	-7.753	-0.0045	-2.5 to 2.5	Pass
				-20	3.6	-15.364	-0.0089	-2.5 to 2.5	Pass
				-10	3.6	-21.987	-0.0127	-2.5 to 2.5	Pass
				0	3.6	-25.148	-0.0145	-2.5 to 2.5	Pass
				10	3.6	-31.443	-0.0181	-2.5 to 2.5	Pass
				30	3.6	-34.003	-0.0196	-2.5 to 2.5	Pass
				40	3.6	-37.866	-0.0219	-2.5 to 2.5	Pass
				50	3.6	-43.101	-0.0249	-2.5 to 2.5	Pass
	1745	100	0	20	3.3	2.246	0.0013	-2.5 to 2.5	Pass
					3.6	2.890	0.0017	-2.5 to 2.5	Pass
					4.2	3.862	0.0022	-2.5 to 2.5	Pass
				-30	3.6	3.362	0.0019	-2.5 to 2.5	Pass
				-20	3.6	3.691	0.0021	-2.5 to 2.5	Pass
				-10	3.6	4.277	0.0025	-2.5 to 2.5	Pass
				0	3.6	2.961	0.0017	-2.5 to 2.5	Pass
				10	3.6	2.990	0.0017	-2.5 to 2.5	Pass
				30	3.6	2.575	0.0015	-2.5 to 2.5	Pass
				40	3.6	3.848	0.0022	-2.5 to 2.5	Pass
				50	3.6	1.516	0.0009	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.3	20.585	0.0120	-2.5 to 2.5	Pass
					3.6	23.975	0.0139	-2.5 to 2.5	Pass
					4.2	27.809	0.0162	-2.5 to 2.5	Pass
				-30	3.6	29.426	0.0171	-2.5 to 2.5	Pass
				-20	3.6	31.414	0.0183	-2.5 to 2.5	Pass
				-10	3.6	34.661	0.0202	-2.5 to 2.5	Pass
				0	3.6	36.893	0.0214	-2.5 to 2.5	Pass

				10	3.6	39.239	0.0228	-2.5 to 2.5	Pass
				30	3.6	2.789	0.0016	-2.5 to 2.5	Pass
				40	3.6	4.163	0.0024	-2.5 to 2.5	Pass
				50	3.6	7.296	0.0042	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.3	-8.240	-0.0048	-2.5 to 2.5	Pass
					3.6	-7.825	-0.0045	-2.5 to 2.5	Pass
					4.2	-4.077	-0.0024	-2.5 to 2.5	Pass
				-30	3.6	-5.136	-0.0030	-2.5 to 2.5	Pass
				-20	3.6	-5.779	-0.0033	-2.5 to 2.5	Pass
				-10	3.6	-5.064	-0.0029	-2.5 to 2.5	Pass
				0	3.6	-3.405	-0.0020	-2.5 to 2.5	Pass
				10	3.6	-3.462	-0.0020	-2.5 to 2.5	Pass
				30	3.6	-2.532	-0.0015	-2.5 to 2.5	Pass
				40	3.6	-1.287	-0.0007	-2.5 to 2.5	Pass
				50	3.6	-2.117	-0.0012	-2.5 to 2.5	Pass
	1745	100	0	20	3.3	2.961	0.0017	-2.5 to 2.5	Pass
					3.6	8.526	0.0049	-2.5 to 2.5	Pass
					4.2	10.142	0.0058	-2.5 to 2.5	Pass
				-30	3.6	11.830	0.0068	-2.5 to 2.5	Pass
				-20	3.6	16.165	0.0093	-2.5 to 2.5	Pass
				-10	3.6	16.937	0.0097	-2.5 to 2.5	Pass
				0	3.6	20.671	0.0118	-2.5 to 2.5	Pass
				10	3.6	22.101	0.0127	-2.5 to 2.5	Pass
				30	3.6	23.146	0.0133	-2.5 to 2.5	Pass
				40	3.6	25.363	0.0145	-2.5 to 2.5	Pass
				50	3.6	29.583	0.0170	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B40a_5MHz

4.1.1 Test Result

Band: 40a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2307.5	25	0	20	3.3	-4.292	-0.0019	-2.5 to 2.5	Pass
					3.6	9.441	0.0041	-2.5 to 2.5	Pass
					4.2	-9.899	-0.0043	-2.5 to 2.5	Pass
				-30	3.6	-44.603	-0.0193	-2.5 to 2.5	Pass
				-20	3.6	-42.329	-0.0183	-2.5 to 2.5	Pass
				-10	3.6	-25.306	-0.0110	-2.5 to 2.5	Pass
				0	3.6	1.817	0.0008	-2.5 to 2.5	Pass
				10	3.6	-26.293	-0.0114	-2.5 to 2.5	Pass
				30	3.6	-45.519	-0.0197	-2.5 to 2.5	Pass
				40	3.6	-22.788	-0.0099	-2.5 to 2.5	Pass
				50	3.6	-50.368	-0.0218	-2.5 to 2.5	Pass
	2310	25	0	20	3.3	-6.237	-0.0027	-2.5 to 2.5	Pass
					3.6	-5.050	-0.0022	-2.5 to 2.5	Pass
					4.2	-52.228	-0.0226	-2.5 to 2.5	Pass
				-30	3.6	-18.268	-0.0079	-2.5 to 2.5	Pass
				-20	3.6	-18.711	-0.0081	-2.5 to 2.5	Pass
				-10	3.6	-53.658	-0.0232	-2.5 to 2.5	Pass
				0	3.6	-21.172	-0.0092	-2.5 to 2.5	Pass

				10	3.6	-63.443	-0.0275	-2.5 to 2.5	Pass
				30	3.6	-26.150	-0.0113	-2.5 to 2.5	Pass
				40	3.6	-47.150	-0.0204	-2.5 to 2.5	Pass
				50	3.6	-16.279	-0.0070	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.3	14.105	0.0061	-2.5 to 2.5	Pass
					3.6	3.991	0.0017	-2.5 to 2.5	Pass
					4.2	-14.849	-0.0064	-2.5 to 2.5	Pass
				-30	3.6	-14.334	-0.0062	-2.5 to 2.5	Pass
				-20	3.6	-28.710	-0.0124	-2.5 to 2.5	Pass
				-10	3.6	-19.641	-0.0085	-2.5 to 2.5	Pass
				0	3.6	-42.300	-0.0183	-2.5 to 2.5	Pass
				10	3.6	-29.211	-0.0126	-2.5 to 2.5	Pass
				30	3.6	-50.254	-0.0217	-2.5 to 2.5	Pass
				40	3.6	-27.294	-0.0118	-2.5 to 2.5	Pass
				50	3.6	-44.446	-0.0192	-2.5 to 2.5	Pass
16QAM	2307.5	25	0	20	3.3	18.353	0.0080	-2.5 to 2.5	Pass
					3.6	28.868	0.0125	-2.5 to 2.5	Pass
					4.2	24.362	0.0106	-2.5 to 2.5	Pass
				-30	3.6	9.027	0.0039	-2.5 to 2.5	Pass
				-20	3.6	-5.350	-0.0023	-2.5 to 2.5	Pass
				-10	3.6	-12.531	-0.0054	-2.5 to 2.5	Pass
				0	3.6	-21.787	-0.0094	-2.5 to 2.5	Pass
				10	3.6	-28.682	-0.0124	-2.5 to 2.5	Pass
				30	3.6	-34.261	-0.0148	-2.5 to 2.5	Pass
				40	3.6	-41.413	-0.0179	-2.5 to 2.5	Pass
				50	3.6	-5.407	-0.0023	-2.5 to 2.5	Pass
	2310	25	0	20	3.3	1.373	0.0006	-2.5 to 2.5	Pass
					3.6	15.278	0.0066	-2.5 to 2.5	Pass
					4.2	6.781	0.0029	-2.5 to 2.5	Pass
				-30	3.6	2.704	0.0012	-2.5 to 2.5	Pass
				-20	3.6	-5.350	-0.0023	-2.5 to 2.5	Pass
				-10	3.6	3.319	0.0014	-2.5 to 2.5	Pass
				0	3.6	-20.456	-0.0089	-2.5 to 2.5	Pass
				10	3.6	-8.955	-0.0039	-2.5 to 2.5	Pass
				30	3.6	-16.222	-0.0070	-2.5 to 2.5	Pass
				40	3.6	-23.932	-0.0104	-2.5 to 2.5	Pass
				50	3.6	-44.618	-0.0193	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.3	17.023	0.0074	-2.5 to 2.5	Pass
					3.6	39.139	0.0169	-2.5 to 2.5	Pass
					4.2	27.123	0.0117	-2.5 to 2.5	Pass
				-30	3.6	25.992	0.0112	-2.5 to 2.5	Pass
				-20	3.6	6.423	0.0028	-2.5 to 2.5	Pass
				-10	3.6	6.309	0.0027	-2.5 to 2.5	Pass
				0	3.6	-1.016	-0.0004	-2.5 to 2.5	Pass
				10	3.6	-20.099	-0.0087	-2.5 to 2.5	Pass
				30	3.6	-15.235	-0.0066	-2.5 to 2.5	Pass
				40	3.6	-22.402	-0.0097	-2.5 to 2.5	Pass
				50	3.6	-35.648	-0.0154	-2.5 to 2.5	Pass

4.2 B40a_10MHz

4.2.1 Test Result

Band: 40a / Bandwidth: 10MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	2310	50	0	20	3.3	34.833	0.0151	-2.5 to 2.5	Pass
					3.6	-14.205	-0.0061	-2.5 to 2.5	Pass
					4.2	-51.813	-0.0224	-2.5 to 2.5	Pass
				-30	3.6	-28.238	-0.0122	-2.5 to 2.5	Pass
				-20	3.6	-18.554	-0.0080	-2.5 to 2.5	Pass
				-10	3.6	-33.574	-0.0145	-2.5 to 2.5	Pass
				0	3.6	-48.695	-0.0211	-2.5 to 2.5	Pass
				10	3.6	1.259	0.0005	-2.5 to 2.5	Pass
				30	3.6	-25.363	-0.0110	-2.5 to 2.5	Pass
				40	3.6	-54.216	-0.0235	-2.5 to 2.5	Pass
				50	3.6	-25.048	-0.0108	-2.5 to 2.5	Pass
16QAM	2310	50	0	20	3.3	13.690	0.0059	-2.5 to 2.5	Pass
					3.6	19.140	0.0083	-2.5 to 2.5	Pass
					4.2	23.475	0.0102	-2.5 to 2.5	Pass
				-30	3.6	7.167	0.0031	-2.5 to 2.5	Pass
				-20	3.6	-5.064	-0.0022	-2.5 to 2.5	Pass
				-10	3.6	-31.843	-0.0138	-2.5 to 2.5	Pass
				0	3.6	-47.393	-0.0205	-2.5 to 2.5	Pass
				10	3.6	-41.256	-0.0179	-2.5 to 2.5	Pass
				30	3.6	-46.978	-0.0203	-2.5 to 2.5	Pass
				40	3.6	-5.522	-0.0024	-2.5 to 2.5	Pass
				50	3.6	2.532	0.0011	-2.5 to 2.5	Pass

5. Frequency Stability

5.1 B40b_5MHz

5.1.1 Test Result

Band: 40b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2352.5	25	0	20	3.3	-28.653	-0.0122	-2.5 to 2.5	Pass
					3.6	-0.801	-0.0003	-2.5 to 2.5	Pass
					4.2	4.277	0.0018	-2.5 to 2.5	Pass
				-30	3.6	22.516	0.0096	-2.5 to 2.5	Pass
				-20	3.6	34.733	0.0148	-2.5 to 2.5	Pass
				-10	3.6	13.475	0.0057	-2.5 to 2.5	Pass
				0	3.6	13.347	0.0057	-2.5 to 2.5	Pass
				10	3.6	35.977	0.0153	-2.5 to 2.5	Pass
				30	3.6	35.691	0.0152	-2.5 to 2.5	Pass
				40	3.6	20.800	0.0088	-2.5 to 2.5	Pass
				50	3.6	27.781	0.0118	-2.5 to 2.5	Pass
	2355	25	0	20	3.3	1.202	0.0005	-2.5 to 2.5	Pass
					3.6	25.148	0.0107	-2.5 to 2.5	Pass
					4.2	42.644	0.0181	-2.5 to 2.5	Pass
				-30	3.6	-6.495	-0.0028	-2.5 to 2.5	Pass
				-20	3.6	1.588	0.0007	-2.5 to 2.5	Pass
				-10	3.6	21.458	0.0091	-2.5 to 2.5	Pass
				0	3.6	29.998	0.0127	-2.5 to 2.5	Pass
				10	3.6	33.503	0.0142	-2.5 to 2.5	Pass
				30	3.6	34.890	0.0148	-2.5 to 2.5	Pass
				40	3.6	46.992	0.0200	-2.5 to 2.5	Pass

				50	3.6	1.073	0.0005	-2.5 to 2.5	Pass
	2357.5	25	0	20	3.3	-2.046	-0.0009	-2.5 to 2.5	Pass
					3.6	10.772	0.0046	-2.5 to 2.5	Pass
					4.2	15.278	0.0065	-2.5 to 2.5	Pass
				-30	3.6	35.391	0.0150	-2.5 to 2.5	Pass
				-20	3.6	45.919	0.0195	-2.5 to 2.5	Pass
				-10	3.6	-7.768	-0.0033	-2.5 to 2.5	Pass
				0	3.6	-11.158	-0.0047	-2.5 to 2.5	Pass
				10	3.6	-2.732	-0.0012	-2.5 to 2.5	Pass
				30	3.6	5.965	0.0025	-2.5 to 2.5	Pass
				40	3.6	6.824	0.0029	-2.5 to 2.5	Pass
				50	3.6	8.311	0.0035	-2.5 to 2.5	Pass
16QAM	2352.5	25	0	20	3.3	-15.807	-0.0067	-2.5 to 2.5	Pass
					3.6	18.139	0.0077	-2.5 to 2.5	Pass
					4.2	35.720	0.0152	-2.5 to 2.5	Pass
				-30	3.6	35.477	0.0151	-2.5 to 2.5	Pass
				-20	3.6	11.902	0.0051	-2.5 to 2.5	Pass
				-10	3.6	32.201	0.0137	-2.5 to 2.5	Pass
				0	3.6	3.018	0.0013	-2.5 to 2.5	Pass
				10	3.6	17.109	0.0073	-2.5 to 2.5	Pass
				30	3.6	31.872	0.0135	-2.5 to 2.5	Pass
				40	3.6	37.322	0.0159	-2.5 to 2.5	Pass
				50	3.6	2.532	0.0011	-2.5 to 2.5	Pass
	2355	25	0	20	3.3	-6.208	-0.0026	-2.5 to 2.5	Pass
					3.6	21.071	0.0089	-2.5 to 2.5	Pass
					4.2	47.078	0.0200	-2.5 to 2.5	Pass
				-30	3.6	14.820	0.0063	-2.5 to 2.5	Pass
				-20	3.6	35.019	0.0149	-2.5 to 2.5	Pass
				-10	3.6	10.457	0.0044	-2.5 to 2.5	Pass
				0	3.6	29.268	0.0124	-2.5 to 2.5	Pass
				10	3.6	19.655	0.0083	-2.5 to 2.5	Pass
				30	3.6	12.960	0.0055	-2.5 to 2.5	Pass
				40	3.6	23.432	0.0099	-2.5 to 2.5	Pass
				50	3.6	34.947	0.0148	-2.5 to 2.5	Pass
	2357.5	25	0	20	3.3	-3.948	-0.0017	-2.5 to 2.5	Pass
					3.6	12.288	0.0052	-2.5 to 2.5	Pass
					4.2	38.152	0.0162	-2.5 to 2.5	Pass
				-30	3.6	4.020	0.0017	-2.5 to 2.5	Pass
				-20	3.6	20.242	0.0086	-2.5 to 2.5	Pass
				-10	3.6	29.368	0.0125	-2.5 to 2.5	Pass
				0	3.6	-6.151	-0.0026	-2.5 to 2.5	Pass
				10	3.6	8.540	0.0036	-2.5 to 2.5	Pass
				30	3.6	30.513	0.0129	-2.5 to 2.5	Pass
				40	3.6	43.473	0.0184	-2.5 to 2.5	Pass
				50	3.6	19.970	0.0085	-2.5 to 2.5	Pass

5.2 B40b_10MHz

5.2.1 Test Result

Band: 40b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2355	50	0	20	3.3	-10.314	-0.0044	-2.5 to 2.5	Pass
					3.6	12.116	0.0051	-2.5 to 2.5	Pass

					4.2	29.855	0.0127	-2.5 to 2.5	Pass
				-30	3.6	3.862	0.0016	-2.5 to 2.5	Pass
				-20	3.6	16.394	0.0070	-2.5 to 2.5	Pass
				-10	3.6	37.937	0.0161	-2.5 to 2.5	Pass
				0	3.6	29.869	0.0127	-2.5 to 2.5	Pass
				10	3.6	-9.413	-0.0040	-2.5 to 2.5	Pass
				30	3.6	3.390	0.0014	-2.5 to 2.5	Pass
				40	3.6	10.471	0.0044	-2.5 to 2.5	Pass
				50	3.6	19.312	0.0082	-2.5 to 2.5	Pass
16QAM	2355	50	0	20	3.3	-7.939	-0.0034	-2.5 to 2.5	Pass
					3.6	15.492	0.0066	-2.5 to 2.5	Pass
					4.2	16.193	0.0069	-2.5 to 2.5	Pass
				-30	3.6	41.242	0.0175	-2.5 to 2.5	Pass
				-20	3.6	16.136	0.0069	-2.5 to 2.5	Pass
				-10	3.6	38.824	0.0165	-2.5 to 2.5	Pass
				0	3.6	17.152	0.0073	-2.5 to 2.5	Pass
				10	3.6	39.697	0.0169	-2.5 to 2.5	Pass
				30	3.6	5.507	0.0023	-2.5 to 2.5	Pass
				40	3.6	13.704	0.0058	-2.5 to 2.5	Pass
				50	3.6	27.037	0.0115	-2.5 to 2.5	Pass

6. Frequency Stability

6.1 B41_5MHz

6.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.3	-19.984	-0.0080	-2.5 to 2.5	Pass
					3.6	30.828	0.0123	-2.5 to 2.5	Pass
					4.2	33.460	0.0134	-2.5 to 2.5	Pass
				-30	3.6	25.091	0.0100	-2.5 to 2.5	Pass
				-20	3.6	15.478	0.0062	-2.5 to 2.5	Pass
				-10	3.6	1.488	0.0006	-2.5 to 2.5	Pass
				0	3.6	-12.045	-0.0048	-2.5 to 2.5	Pass
				10	3.6	-18.182	-0.0073	-2.5 to 2.5	Pass
				30	3.6	-21.172	-0.0085	-2.5 to 2.5	Pass
				40	3.6	-33.588	-0.0134	-2.5 to 2.5	Pass
				50	3.6	-46.420	-0.0186	-2.5 to 2.5	Pass
	2593	25	0	20	3.3	-31.300	-0.0121	-2.5 to 2.5	Pass
					3.6	-26.636	-0.0103	-2.5 to 2.5	Pass
					4.2	-16.022	-0.0062	-2.5 to 2.5	Pass
				-30	3.6	-7.653	-0.0030	-2.5 to 2.5	Pass
				-20	3.6	6.466	0.0025	-2.5 to 2.5	Pass
				-10	3.6	14.534	0.0056	-2.5 to 2.5	Pass
				0	3.6	18.168	0.0070	-2.5 to 2.5	Pass
				10	3.6	18.740	0.0072	-2.5 to 2.5	Pass
				30	3.6	9.212	0.0036	-2.5 to 2.5	Pass
				40	3.6	28.896	0.0111	-2.5 to 2.5	Pass
				50	3.6	34.060	0.0131	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.3	-23.117	-0.0086	-2.5 to 2.5	Pass
					3.6	-25.048	-0.0093	-2.5 to 2.5	Pass

					4.2	0.844	0.0003	-2.5 to 2.5	Pass
				-30	3.6	-37.808	-0.0141	-2.5 to 2.5	Pass
				-20	3.6	-12.131	-0.0045	-2.5 to 2.5	Pass
				-10	3.6	-14.405	-0.0054	-2.5 to 2.5	Pass
				0	3.6	2.747	0.0010	-2.5 to 2.5	Pass
				10	3.6	-32.358	-0.0120	-2.5 to 2.5	Pass
				30	3.6	-28.067	-0.0104	-2.5 to 2.5	Pass
				40	3.6	1.502	0.0006	-2.5 to 2.5	Pass
				50	3.6	-7.424	-0.0028	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.3	-46.449	-0.0186	-2.5 to 2.5	Pass
					3.6	-38.338	-0.0153	-2.5 to 2.5	Pass
					4.2	-39.697	-0.0159	-2.5 to 2.5	Pass
				-30	3.6	-28.739	-0.0115	-2.5 to 2.5	Pass
				-20	3.6	-17.009	-0.0068	-2.5 to 2.5	Pass
				-10	3.6	-10.471	-0.0042	-2.5 to 2.5	Pass
				0	3.6	-0.801	-0.0003	-2.5 to 2.5	Pass
				10	3.6	15.635	0.0063	-2.5 to 2.5	Pass
				30	3.6	17.924	0.0072	-2.5 to 2.5	Pass
				40	3.6	21.658	0.0087	-2.5 to 2.5	Pass
				50	3.6	27.123	0.0109	-2.5 to 2.5	Pass
	2593	25	0	20	3.3	39.496	0.0152	-2.5 to 2.5	Pass
					3.6	38.853	0.0150	-2.5 to 2.5	Pass
					4.2	-7.324	-0.0028	-2.5 to 2.5	Pass
				-30	3.6	2.847	0.0011	-2.5 to 2.5	Pass
				-20	3.6	30.012	0.0116	-2.5 to 2.5	Pass
				-10	3.6	46.778	0.0180	-2.5 to 2.5	Pass
				0	3.6	-12.689	-0.0049	-2.5 to 2.5	Pass
				10	3.6	-1.688	-0.0007	-2.5 to 2.5	Pass
				30	3.6	16.165	0.0062	-2.5 to 2.5	Pass
				40	3.6	32.644	0.0126	-2.5 to 2.5	Pass
				50	3.6	47.178	0.0182	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.3	-28.968	-0.0108	-2.5 to 2.5	Pass
					3.6	-37.265	-0.0139	-2.5 to 2.5	Pass
					4.2	-39.368	-0.0146	-2.5 to 2.5	Pass
				-30	3.6	-39.768	-0.0148	-2.5 to 2.5	Pass
				-20	3.6	-28.167	-0.0105	-2.5 to 2.5	Pass
				-10	3.6	-34.089	-0.0127	-2.5 to 2.5	Pass
				0	3.6	-32.558	-0.0121	-2.5 to 2.5	Pass
				10	3.6	-32.973	-0.0123	-2.5 to 2.5	Pass
				30	3.6	-27.494	-0.0102	-2.5 to 2.5	Pass
				40	3.6	-33.889	-0.0126	-2.5 to 2.5	Pass
				50	3.6	-21.801	-0.0081	-2.5 to 2.5	Pass

6.2 B41_10MHz

6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.3	4.935	0.0020	-2.5 to 2.5	Pass
					3.6	2.289	0.0009	-2.5 to 2.5	Pass
					4.2	17.781	0.0071	-2.5 to 2.5	Pass
				-30	3.6	12.145	0.0049	-2.5 to 2.5	Pass
				-20	3.6	10.428	0.0042	-2.5 to 2.5	Pass

				-10	3.6	18.525	0.0074	-2.5 to 2.5	Pass
				0	3.6	7.682	0.0031	-2.5 to 2.5	Pass
				10	3.6	22.817	0.0091	-2.5 to 2.5	Pass
				30	3.6	12.832	0.0051	-2.5 to 2.5	Pass
				40	3.6	13.676	0.0055	-2.5 to 2.5	Pass
				50	3.6	19.083	0.0076	-2.5 to 2.5	Pass
	2593	50	0	20	3.3	-17.552	-0.0068	-2.5 to 2.5	Pass
					3.6	11.373	0.0044	-2.5 to 2.5	Pass
					4.2	9.828	0.0038	-2.5 to 2.5	Pass
				-30	3.6	9.613	0.0037	-2.5 to 2.5	Pass
				-20	3.6	6.080	0.0023	-2.5 to 2.5	Pass
				-10	3.6	9.298	0.0036	-2.5 to 2.5	Pass
				0	3.6	-4.334	-0.0017	-2.5 to 2.5	Pass
				10	3.6	-13.304	-0.0051	-2.5 to 2.5	Pass
				30	3.6	-11.530	-0.0044	-2.5 to 2.5	Pass
				40	3.6	-3.934	-0.0015	-2.5 to 2.5	Pass
				50	3.6	-13.103	-0.0051	-2.5 to 2.5	Pass
	2685	50	0	20	3.3	-11.730	-0.0044	-2.5 to 2.5	Pass
					3.6	-24.748	-0.0092	-2.5 to 2.5	Pass
					4.2	-16.465	-0.0061	-2.5 to 2.5	Pass
				-30	3.6	-16.737	-0.0062	-2.5 to 2.5	Pass
				-20	3.6	-16.794	-0.0063	-2.5 to 2.5	Pass
				-10	3.6	-14.977	-0.0056	-2.5 to 2.5	Pass
				0	3.6	-25.849	-0.0096	-2.5 to 2.5	Pass
				10	3.6	-41.785	-0.0156	-2.5 to 2.5	Pass
				30	3.6	-8.683	-0.0032	-2.5 to 2.5	Pass
				40	3.6	-35.934	-0.0134	-2.5 to 2.5	Pass
				50	3.6	-15.006	-0.0056	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	3.3	22.388	0.0090	-2.5 to 2.5	Pass
					3.6	22.788	0.0091	-2.5 to 2.5	Pass
					4.2	40.197	0.0161	-2.5 to 2.5	Pass
				-30	3.6	16.379	0.0065	-2.5 to 2.5	Pass
				-20	3.6	30.355	0.0121	-2.5 to 2.5	Pass
				-10	3.6	44.317	0.0177	-2.5 to 2.5	Pass
				0	3.6	-5.479	-0.0022	-2.5 to 2.5	Pass
				10	3.6	6.294	0.0025	-2.5 to 2.5	Pass
				30	3.6	18.897	0.0076	-2.5 to 2.5	Pass
				40	3.6	19.012	0.0076	-2.5 to 2.5	Pass
				50	3.6	36.979	0.0148	-2.5 to 2.5	Pass
	2593	50	0	20	3.3	-6.223	-0.0024	-2.5 to 2.5	Pass
					3.6	4.520	0.0017	-2.5 to 2.5	Pass
					4.2	32.430	0.0125	-2.5 to 2.5	Pass
				-30	3.6	50.297	0.0194	-2.5 to 2.5	Pass
				-20	3.6	16.408	0.0063	-2.5 to 2.5	Pass
				-10	3.6	32.158	0.0124	-2.5 to 2.5	Pass
				0	3.6	38.381	0.0148	-2.5 to 2.5	Pass
				10	3.6	25.363	0.0098	-2.5 to 2.5	Pass
				30	3.6	28.882	0.0111	-2.5 to 2.5	Pass
				40	3.6	52.457	0.0202	-2.5 to 2.5	Pass
				50	3.6	26.393	0.0102	-2.5 to 2.5	Pass
	2685	50	0	20	3.3	-32.115	-0.0120	-2.5 to 2.5	Pass
					3.6	-38.323	-0.0143	-2.5 to 2.5	Pass
					4.2	-39.496	-0.0147	-2.5 to 2.5	Pass
				-30	3.6	-36.922	-0.0138	-2.5 to 2.5	Pass
				-20	3.6	-34.990	-0.0130	-2.5 to 2.5	Pass
				-10	3.6	-37.479	-0.0140	-2.5 to 2.5	Pass
				0	3.6	-37.351	-0.0139	-2.5 to 2.5	Pass

				10	3.6	-34.633	-0.0129	-2.5 to 2.5	Pass
				30	3.6	-36.120	-0.0135	-2.5 to 2.5	Pass
				40	3.6	-37.365	-0.0139	-2.5 to 2.5	Pass
				50	3.6	-38.252	-0.0142	-2.5 to 2.5	Pass

6.3 B41_15MHz

6.3.1 Test Result

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	3.3	-20.242	-0.0081	-2.5 to 2.5	Pass
					3.6	5.779	0.0023	-2.5 to 2.5	Pass
					4.2	27.623	0.0110	-2.5 to 2.5	Pass
				-30	3.6	32.959	0.0132	-2.5 to 2.5	Pass
				-20	3.6	33.417	0.0133	-2.5 to 2.5	Pass
				-10	3.6	-18.640	-0.0074	-2.5 to 2.5	Pass
				0	3.6	-13.075	-0.0052	-2.5 to 2.5	Pass
				10	3.6	-10.600	-0.0042	-2.5 to 2.5	Pass
				30	3.6	-2.561	-0.0010	-2.5 to 2.5	Pass
				40	3.6	-2.375	-0.0009	-2.5 to 2.5	Pass
				50	3.6	3.648	0.0015	-2.5 to 2.5	Pass
	2593	75	0	20	3.3	-51.398	-0.0198	-2.5 to 2.5	Pass
					3.6	-38.710	-0.0149	-2.5 to 2.5	Pass
					4.2	-30.570	-0.0118	-2.5 to 2.5	Pass
				-30	3.6	-39.811	-0.0154	-2.5 to 2.5	Pass
				-20	3.6	-11.058	-0.0043	-2.5 to 2.5	Pass
				-10	3.6	-14.563	-0.0056	-2.5 to 2.5	Pass
				0	3.6	-36.206	-0.0140	-2.5 to 2.5	Pass
				10	3.6	-42.386	-0.0163	-2.5 to 2.5	Pass
				30	3.6	-44.761	-0.0173	-2.5 to 2.5	Pass
				40	3.6	-48.409	-0.0187	-2.5 to 2.5	Pass
				50	3.6	-37.794	-0.0146	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.3	-36.192	-0.0135	-2.5 to 2.5	Pass
					3.6	-29.812	-0.0111	-2.5 to 2.5	Pass
					4.2	7.596	0.0028	-2.5 to 2.5	Pass
				-30	3.6	-28.224	-0.0105	-2.5 to 2.5	Pass
				-20	3.6	-36.106	-0.0135	-2.5 to 2.5	Pass
				-10	3.6	-46.048	-0.0172	-2.5 to 2.5	Pass
				0	3.6	-37.394	-0.0139	-2.5 to 2.5	Pass
				10	3.6	-13.461	-0.0050	-2.5 to 2.5	Pass
				30	3.6	-15.936	-0.0059	-2.5 to 2.5	Pass
				40	3.6	-33.388	-0.0124	-2.5 to 2.5	Pass
				50	3.6	9.341	0.0035	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.3	10.285	0.0041	-2.5 to 2.5	Pass
					3.6	20.342	0.0081	-2.5 to 2.5	Pass
					4.2	38.967	0.0156	-2.5 to 2.5	Pass
				-30	3.6	22.259	0.0089	-2.5 to 2.5	Pass
				-20	3.6	37.336	0.0149	-2.5 to 2.5	Pass
				-10	3.6	2.847	0.0011	-2.5 to 2.5	Pass
				0	3.6	16.379	0.0065	-2.5 to 2.5	Pass
				10	3.6	31.915	0.0127	-2.5 to 2.5	Pass
				30	3.6	40.226	0.0161	-2.5 to 2.5	Pass
				40	3.6	19.598	0.0078	-2.5 to 2.5	Pass

				50	3.6	24.991	0.0100	-2.5 to 2.5	Pass
	2593	75	0	20	3.3	-37.651	-0.0145	-2.5 to 2.5	Pass
					3.6	-28.868	-0.0111	-2.5 to 2.5	Pass
					4.2	-23.189	-0.0089	-2.5 to 2.5	Pass
				-30	3.6	-9.112	-0.0035	-2.5 to 2.5	Pass
				-20	3.6	2.017	0.0008	-2.5 to 2.5	Pass
				-10	3.6	15.807	0.0061	-2.5 to 2.5	Pass
				0	3.6	24.977	0.0096	-2.5 to 2.5	Pass
				10	3.6	46.477	0.0179	-2.5 to 2.5	Pass
				30	3.6	29.511	0.0114	-2.5 to 2.5	Pass
				40	3.6	28.653	0.0111	-2.5 to 2.5	Pass
				50	3.6	37.494	0.0145	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.3	-15.092	-0.0056	-2.5 to 2.5	Pass
					3.6	-19.383	-0.0072	-2.5 to 2.5	Pass
					4.2	-28.052	-0.0105	-2.5 to 2.5	Pass
				-30	3.6	-18.668	-0.0070	-2.5 to 2.5	Pass
				-20	3.6	-25.349	-0.0094	-2.5 to 2.5	Pass
				-10	3.6	-14.291	-0.0053	-2.5 to 2.5	Pass
				0	3.6	-20.084	-0.0075	-2.5 to 2.5	Pass
				10	3.6	-16.522	-0.0062	-2.5 to 2.5	Pass
				30	3.6	-22.860	-0.0085	-2.5 to 2.5	Pass
				40	3.6	-25.835	-0.0096	-2.5 to 2.5	Pass
				50	3.6	-19.655	-0.0073	-2.5 to 2.5	Pass

6.4 B41_20MHz

6.4.1 Test Result

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.3	3.276	0.0013	-2.5 to 2.5	Pass
					3.6	22.488	0.0090	-2.5 to 2.5	Pass
					4.2	-12.002	-0.0048	-2.5 to 2.5	Pass
				-30	3.6	5.908	0.0024	-2.5 to 2.5	Pass
				-20	3.6	18.454	0.0074	-2.5 to 2.5	Pass
				-10	3.6	27.266	0.0109	-2.5 to 2.5	Pass
				0	3.6	32.058	0.0128	-2.5 to 2.5	Pass
				10	3.6	-8.483	-0.0034	-2.5 to 2.5	Pass
				30	3.6	1.359	0.0005	-2.5 to 2.5	Pass
				40	3.6	13.332	0.0053	-2.5 to 2.5	Pass
				50	3.6	20.041	0.0080	-2.5 to 2.5	Pass
	2593	100	0	20	3.3	-17.781	-0.0069	-2.5 to 2.5	Pass
					3.6	-10.514	-0.0041	-2.5 to 2.5	Pass
					4.2	-40.684	-0.0157	-2.5 to 2.5	Pass
				-30	3.6	1.831	0.0007	-2.5 to 2.5	Pass
				-20	3.6	-31.714	-0.0122	-2.5 to 2.5	Pass
				-10	3.6	-47.450	-0.0183	-2.5 to 2.5	Pass
				0	3.6	-18.096	-0.0070	-2.5 to 2.5	Pass
				10	3.6	-28.939	-0.0112	-2.5 to 2.5	Pass
				30	3.6	-27.995	-0.0108	-2.5 to 2.5	Pass
				40	3.6	-45.190	-0.0174	-2.5 to 2.5	Pass
				50	3.6	20.728	0.0080	-2.5 to 2.5	Pass
	2680	100	0	20	3.3	8.011	0.0030	-2.5 to 2.5	Pass
					3.6	-18.525	-0.0069	-2.5 to 2.5	Pass

					4.2	-8.154	-0.0030	-2.5 to 2.5	Pass
				-30	3.6	-36.263	-0.0135	-2.5 to 2.5	Pass
				-20	3.6	-39.926	-0.0149	-2.5 to 2.5	Pass
				-10	3.6	-31.929	-0.0119	-2.5 to 2.5	Pass
				0	3.6	-20.814	-0.0078	-2.5 to 2.5	Pass
				10	3.6	-28.081	-0.0105	-2.5 to 2.5	Pass
				30	3.6	0.186	0.0001	-2.5 to 2.5	Pass
				40	3.6	-30.656	-0.0114	-2.5 to 2.5	Pass
				50	3.6	9.956	0.0037	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.3	32.487	0.0130	-2.5 to 2.5	Pass
					3.6	10.629	0.0042	-2.5 to 2.5	Pass
					4.2	36.922	0.0147	-2.5 to 2.5	Pass
				-30	3.6	-4.964	-0.0020	-2.5 to 2.5	Pass
				-20	3.6	17.867	0.0071	-2.5 to 2.5	Pass
				-10	3.6	37.494	0.0150	-2.5 to 2.5	Pass
				0	3.6	6.795	0.0027	-2.5 to 2.5	Pass
				10	3.6	20.556	0.0082	-2.5 to 2.5	Pass
				30	3.6	39.854	0.0159	-2.5 to 2.5	Pass
				40	3.6	-15.793	-0.0063	-2.5 to 2.5	Pass
				50	3.6	1.431	0.0006	-2.5 to 2.5	Pass
	2593	100	0	20	3.3	16.050	0.0062	-2.5 to 2.5	Pass
					3.6	27.008	0.0104	-2.5 to 2.5	Pass
					4.2	32.587	0.0126	-2.5 to 2.5	Pass
				-30	3.6	31.142	0.0120	-2.5 to 2.5	Pass
				-20	3.6	9.685	0.0037	-2.5 to 2.5	Pass
				-10	3.6	22.559	0.0087	-2.5 to 2.5	Pass
				0	3.6	22.559	0.0087	-2.5 to 2.5	Pass
				10	3.6	44.789	0.0173	-2.5 to 2.5	Pass
				30	3.6	41.342	0.0159	-2.5 to 2.5	Pass
				40	3.6	11.201	0.0043	-2.5 to 2.5	Pass
				50	3.6	25.477	0.0098	-2.5 to 2.5	Pass
	2680	100	0	20	3.3	-11.845	-0.0044	-2.5 to 2.5	Pass
					3.6	-20.113	-0.0075	-2.5 to 2.5	Pass
					4.2	-10.328	-0.0039	-2.5 to 2.5	Pass
				-30	3.6	-5.879	-0.0022	-2.5 to 2.5	Pass
				-20	3.6	-3.247	-0.0012	-2.5 to 2.5	Pass
				-10	3.6	0.944	0.0004	-2.5 to 2.5	Pass
				0	3.6	7.968	0.0030	-2.5 to 2.5	Pass
				10	3.6	12.302	0.0046	-2.5 to 2.5	Pass
				30	3.6	13.733	0.0051	-2.5 to 2.5	Pass
				40	3.6	11.115	0.0041	-2.5 to 2.5	Pass
				50	3.6	10.986	0.0041	-2.5 to 2.5	Pass

7. Frequency Stability

7.1 B5_1.4MHz

7.1.1 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	3.3	-14.749	-0.0179	-2.5 to 2.5	Pass
					3.6	-4.678	-0.0057	-2.5 to 2.5	Pass

					4.2	-5.751	-0.0070	-2.5 to 2.5	Pass
				-30	3.6	-14.105	-0.0171	-2.5 to 2.5	Pass
				-20	3.6	-14.462	-0.0175	-2.5 to 2.5	Pass
				-10	3.6	-10.114	-0.0123	-2.5 to 2.5	Pass
				0	3.6	-25.992	-0.0315	-2.5 to 2.5	Pass
				10	3.6	-37.379	-0.0453	-2.5 to 2.5	Pass
				30	3.6	-21.300	-0.0258	-2.5 to 2.5	Pass
				40	3.6	-2.160	-0.0026	-2.5 to 2.5	Pass
				50	3.6	-30.184	-0.0366	-2.5 to 2.5	Pass
	836.5	6	0	20	3.3	2.289	0.0027	-2.5 to 2.5	Pass
					3.6	4.091	0.0049	-2.5 to 2.5	Pass
					4.2	4.263	0.0051	-2.5 to 2.5	Pass
				-30	3.6	2.832	0.0034	-2.5 to 2.5	Pass
				-20	3.6	2.003	0.0024	-2.5 to 2.5	Pass
				-10	3.6	1.316	0.0016	-2.5 to 2.5	Pass
				0	3.6	-1.745	-0.0021	-2.5 to 2.5	Pass
				10	3.6	-2.089	-0.0025	-2.5 to 2.5	Pass
				30	3.6	-4.292	-0.0051	-2.5 to 2.5	Pass
				40	3.6	-5.379	-0.0064	-2.5 to 2.5	Pass
				50	3.6	-6.795	-0.0081	-2.5 to 2.5	Pass
	848.3	6	0	20	3.3	1.388	0.0016	-2.5 to 2.5	Pass
					3.6	-0.587	-0.0007	-2.5 to 2.5	Pass
					4.2	-11.902	-0.0140	-2.5 to 2.5	Pass
				-30	3.6	-25.020	-0.0295	-2.5 to 2.5	Pass
				-20	3.6	-40.298	-0.0475	-2.5 to 2.5	Pass
				-10	3.6	-4.263	-0.0050	-2.5 to 2.5	Pass
				0	3.6	-17.667	-0.0208	-2.5 to 2.5	Pass
				10	3.6	-29.669	-0.0350	-2.5 to 2.5	Pass
				30	3.6	-40.884	-0.0482	-2.5 to 2.5	Pass
				40	3.6	-2.689	-0.0032	-2.5 to 2.5	Pass
				50	3.6	-12.789	-0.0151	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.3	-9.742	-0.0118	-2.5 to 2.5	Pass
					3.6	-33.159	-0.0402	-2.5 to 2.5	Pass
					4.2	-12.274	-0.0149	-2.5 to 2.5	Pass
				-30	3.6	-30.885	-0.0374	-2.5 to 2.5	Pass
				-20	3.6	-47.350	-0.0574	-2.5 to 2.5	Pass
				-10	3.6	-13.776	-0.0167	-2.5 to 2.5	Pass
				0	3.6	-25.277	-0.0306	-2.5 to 2.5	Pass
				10	3.6	-33.488	-0.0406	-2.5 to 2.5	Pass
				30	3.6	-42.129	-0.0511	-2.5 to 2.5	Pass
				40	3.6	0.286	0.0003	-2.5 to 2.5	Pass
				50	3.6	-6.609	-0.0080	-2.5 to 2.5	Pass
	836.5	6	0	20	3.3	-8.211	-0.0098	-2.5 to 2.5	Pass
					3.6	-8.783	-0.0105	-2.5 to 2.5	Pass
					4.2	-7.553	-0.0090	-2.5 to 2.5	Pass
				-30	3.6	-6.909	-0.0083	-2.5 to 2.5	Pass
				-20	3.6	-5.193	-0.0062	-2.5 to 2.5	Pass
				-10	3.6	-3.390	-0.0041	-2.5 to 2.5	Pass
				0	3.6	-2.375	-0.0028	-2.5 to 2.5	Pass
				10	3.6	-2.246	-0.0027	-2.5 to 2.5	Pass
				30	3.6	-1.588	-0.0019	-2.5 to 2.5	Pass
				40	3.6	-1.516	-0.0018	-2.5 to 2.5	Pass
				50	3.6	-0.701	-0.0008	-2.5 to 2.5	Pass
	848.3	6	0	20	3.3	-22.831	-0.0269	-2.5 to 2.5	Pass
					3.6	-29.397	-0.0347	-2.5 to 2.5	Pass
					4.2	-32.730	-0.0386	-2.5 to 2.5	Pass
				-30	3.6	-35.949	-0.0424	-2.5 to 2.5	Pass

				-20	3.6	-39.825	-0.0469	-2.5 to 2.5	Pass
				-10	3.6	-41.986	-0.0495	-2.5 to 2.5	Pass
				0	3.6	-44.346	-0.0523	-2.5 to 2.5	Pass
				10	3.6	-47.836	-0.0564	-2.5 to 2.5	Pass
				30	3.6	-5.178	-0.0061	-2.5 to 2.5	Pass
				40	3.6	-8.368	-0.0099	-2.5 to 2.5	Pass
				50	3.6	-11.487	-0.0135	-2.5 to 2.5	Pass

7.2 B5_3MHz

7.2.1 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	3.3	13.261	0.0161	-2.5 to 2.5	Pass
					3.6	7.768	0.0094	-2.5 to 2.5	Pass
					4.2	-8.969	-0.0109	-2.5 to 2.5	Pass
				-30	3.6	-31.385	-0.0380	-2.5 to 2.5	Pass
				-20	3.6	-3.920	-0.0047	-2.5 to 2.5	Pass
				-10	3.6	-26.736	-0.0324	-2.5 to 2.5	Pass
				0	3.6	-39.496	-0.0478	-2.5 to 2.5	Pass
				10	3.6	-27.208	-0.0330	-2.5 to 2.5	Pass
				30	3.6	-44.546	-0.0540	-2.5 to 2.5	Pass
				40	3.6	-14.906	-0.0181	-2.5 to 2.5	Pass
				50	3.6	-31.929	-0.0387	-2.5 to 2.5	Pass
	836.5	15	0	20	3.3	2.017	0.0024	-2.5 to 2.5	Pass
					3.6	2.732	0.0033	-2.5 to 2.5	Pass
					4.2	1.502	0.0018	-2.5 to 2.5	Pass
				-30	3.6	0.243	0.0003	-2.5 to 2.5	Pass
				-20	3.6	-3.119	-0.0037	-2.5 to 2.5	Pass
				-10	3.6	-4.306	-0.0051	-2.5 to 2.5	Pass
				0	3.6	-7.339	-0.0088	-2.5 to 2.5	Pass
				10	3.6	-9.613	-0.0115	-2.5 to 2.5	Pass
				30	3.6	-11.587	-0.0139	-2.5 to 2.5	Pass
				40	3.6	-13.547	-0.0162	-2.5 to 2.5	Pass
				50	3.6	-15.464	-0.0185	-2.5 to 2.5	Pass
	847.5	15	0	20	3.3	11.745	0.0139	-2.5 to 2.5	Pass
					3.6	11.516	0.0136	-2.5 to 2.5	Pass
					4.2	4.606	0.0054	-2.5 to 2.5	Pass
				-30	3.6	-4.005	-0.0047	-2.5 to 2.5	Pass
				-20	3.6	-13.390	-0.0158	-2.5 to 2.5	Pass
				-10	3.6	-22.860	-0.0270	-2.5 to 2.5	Pass
				0	3.6	-32.516	-0.0384	-2.5 to 2.5	Pass
				10	3.6	-41.699	-0.0492	-2.5 to 2.5	Pass
				30	3.6	-9.527	-0.0112	-2.5 to 2.5	Pass
				40	3.6	-17.624	-0.0208	-2.5 to 2.5	Pass
				50	3.6	-24.977	-0.0295	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.3	1.030	0.0012	-2.5 to 2.5	Pass
					3.6	-13.633	-0.0165	-2.5 to 2.5	Pass
					4.2	-24.691	-0.0299	-2.5 to 2.5	Pass
				-30	3.6	-33.331	-0.0404	-2.5 to 2.5	Pass
				-20	3.6	-42.729	-0.0518	-2.5 to 2.5	Pass
				-10	3.6	-8.397	-0.0102	-2.5 to 2.5	Pass
				0	3.6	-15.478	-0.0187	-2.5 to 2.5	Pass

				10	3.6	-22.159	-0.0268	-2.5 to 2.5	Pass
				30	3.6	-29.697	-0.0360	-2.5 to 2.5	Pass
				40	3.6	-35.434	-0.0429	-2.5 to 2.5	Pass
				50	3.6	-40.841	-0.0495	-2.5 to 2.5	Pass
	836.5	15	0	20	3.3	-18.225	-0.0218	-2.5 to 2.5	Pass
					3.6	-19.999	-0.0239	-2.5 to 2.5	Pass
					4.2	-19.541	-0.0234	-2.5 to 2.5	Pass
				-30	3.6	-19.240	-0.0230	-2.5 to 2.5	Pass
				-20	3.6	-18.883	-0.0226	-2.5 to 2.5	Pass
				-10	3.6	-19.469	-0.0233	-2.5 to 2.5	Pass
				0	3.6	-18.740	-0.0224	-2.5 to 2.5	Pass
				10	3.6	-18.439	-0.0220	-2.5 to 2.5	Pass
				30	3.6	-18.568	-0.0222	-2.5 to 2.5	Pass
				40	3.6	-18.625	-0.0223	-2.5 to 2.5	Pass
				50	3.6	-16.894	-0.0202	-2.5 to 2.5	Pass
	847.5	15	0	20	3.3	-33.617	-0.0397	-2.5 to 2.5	Pass
					3.6	-39.883	-0.0471	-2.5 to 2.5	Pass
					4.2	-45.118	-0.0532	-2.5 to 2.5	Pass
				-30	3.6	0.086	0.0001	-2.5 to 2.5	Pass
				-20	3.6	-2.604	-0.0031	-2.5 to 2.5	Pass
				-10	3.6	-4.649	-0.0055	-2.5 to 2.5	Pass
				0	3.6	-7.939	-0.0094	-2.5 to 2.5	Pass
				10	3.6	-10.815	-0.0128	-2.5 to 2.5	Pass
				30	3.6	-14.434	-0.0170	-2.5 to 2.5	Pass
				40	3.6	-17.138	-0.0202	-2.5 to 2.5	Pass
				50	3.6	-19.469	-0.0230	-2.5 to 2.5	Pass

7.3 B5_5MHz

7.3.1 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	3.3	8.097	0.0098	-2.5 to 2.5	Pass
					3.6	4.334	0.0052	-2.5 to 2.5	Pass
					4.2	2.117	0.0026	-2.5 to 2.5	Pass
				-30	3.6	0.558	0.0007	-2.5 to 2.5	Pass
				-20	3.6	-1.659	-0.0020	-2.5 to 2.5	Pass
				-10	3.6	-2.804	-0.0034	-2.5 to 2.5	Pass
				0	3.6	-4.678	-0.0057	-2.5 to 2.5	Pass
				10	3.6	-4.764	-0.0058	-2.5 to 2.5	Pass
				30	3.6	-6.409	-0.0078	-2.5 to 2.5	Pass
				40	3.6	-7.081	-0.0086	-2.5 to 2.5	Pass
				50	3.6	-8.712	-0.0105	-2.5 to 2.5	Pass
	836.5	25	0	20	3.3	9.885	0.0118	-2.5 to 2.5	Pass
					3.6	12.860	0.0154	-2.5 to 2.5	Pass
					4.2	12.774	0.0153	-2.5 to 2.5	Pass
				-30	3.6	14.577	0.0174	-2.5 to 2.5	Pass
				-20	3.6	14.749	0.0176	-2.5 to 2.5	Pass
				-10	3.6	15.364	0.0184	-2.5 to 2.5	Pass
				0	3.6	17.824	0.0213	-2.5 to 2.5	Pass
				10	3.6	18.439	0.0220	-2.5 to 2.5	Pass
				30	3.6	19.069	0.0228	-2.5 to 2.5	Pass
				40	3.6	20.242	0.0242	-2.5 to 2.5	Pass

				50	3.6	21.014	0.0251	-2.5 to 2.5	Pass
	846.5	25	0	20	3.3	13.204	0.0156	-2.5 to 2.5	Pass
					3.6	11.816	0.0140	-2.5 to 2.5	Pass
					4.2	7.710	0.0091	-2.5 to 2.5	Pass
				-30	3.6	2.360	0.0028	-2.5 to 2.5	Pass
				-20	3.6	-2.532	-0.0030	-2.5 to 2.5	Pass
				-10	3.6	-5.093	-0.0060	-2.5 to 2.5	Pass
				0	3.6	-8.469	-0.0100	-2.5 to 2.5	Pass
				10	3.6	-10.543	-0.0125	-2.5 to 2.5	Pass
				30	3.6	-12.617	-0.0149	-2.5 to 2.5	Pass
				40	3.6	-14.362	-0.0170	-2.5 to 2.5	Pass
				50	3.6	-16.894	-0.0200	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.3	-9.313	-0.0113	-2.5 to 2.5	Pass
					3.6	-7.882	-0.0095	-2.5 to 2.5	Pass
					4.2	-7.081	-0.0086	-2.5 to 2.5	Pass
				-30	3.6	-6.580	-0.0080	-2.5 to 2.5	Pass
				-20	3.6	-5.765	-0.0070	-2.5 to 2.5	Pass
				-10	3.6	-6.237	-0.0075	-2.5 to 2.5	Pass
				0	3.6	-4.721	-0.0057	-2.5 to 2.5	Pass
				10	3.6	-5.021	-0.0061	-2.5 to 2.5	Pass
				30	3.6	-5.207	-0.0063	-2.5 to 2.5	Pass
				40	3.6	-4.549	-0.0055	-2.5 to 2.5	Pass
				50	3.6	-3.691	-0.0045	-2.5 to 2.5	Pass
	836.5	25	0	20	3.3	21.715	0.0260	-2.5 to 2.5	Pass
					3.6	23.589	0.0282	-2.5 to 2.5	Pass
					4.2	25.749	0.0308	-2.5 to 2.5	Pass
				-30	3.6	29.111	0.0348	-2.5 to 2.5	Pass
				-20	3.6	30.198	0.0361	-2.5 to 2.5	Pass
				-10	3.6	32.330	0.0386	-2.5 to 2.5	Pass
				0	3.6	34.275	0.0410	-2.5 to 2.5	Pass
				10	3.6	35.477	0.0424	-2.5 to 2.5	Pass
				30	3.6	37.980	0.0454	-2.5 to 2.5	Pass
				40	3.6	40.383	0.0483	-2.5 to 2.5	Pass
				50	3.6	40.870	0.0489	-2.5 to 2.5	Pass
	846.5	25	0	20	3.3	-18.539	-0.0219	-2.5 to 2.5	Pass
					3.6	-18.053	-0.0213	-2.5 to 2.5	Pass
					4.2	-18.325	-0.0216	-2.5 to 2.5	Pass
				-30	3.6	-17.381	-0.0205	-2.5 to 2.5	Pass
				-20	3.6	-16.193	-0.0191	-2.5 to 2.5	Pass
				-10	3.6	-16.823	-0.0199	-2.5 to 2.5	Pass
				0	3.6	-17.023	-0.0201	-2.5 to 2.5	Pass
				10	3.6	-16.308	-0.0193	-2.5 to 2.5	Pass
				30	3.6	-17.252	-0.0204	-2.5 to 2.5	Pass
				40	3.6	-17.166	-0.0203	-2.5 to 2.5	Pass
				50	3.6	-17.581	-0.0208	-2.5 to 2.5	Pass

7.4 B5_10MHz

7.4.1 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	3.3	26.951	0.0325	-2.5 to 2.5	Pass
					3.6	24.562	0.0296	-2.5 to 2.5	Pass

					4.2	21.772	0.0263	-2.5 to 2.5	Pass
				-30	3.6	19.841	0.0239	-2.5 to 2.5	Pass
				-20	3.6	18.625	0.0225	-2.5 to 2.5	Pass
				-10	3.6	17.338	0.0209	-2.5 to 2.5	Pass
				0	3.6	15.321	0.0185	-2.5 to 2.5	Pass
				10	3.6	16.050	0.0194	-2.5 to 2.5	Pass
				30	3.6	13.947	0.0168	-2.5 to 2.5	Pass
				40	3.6	13.475	0.0163	-2.5 to 2.5	Pass
				50	3.6	12.088	0.0146	-2.5 to 2.5	Pass
	836.5	50	0	20	3.3	9.527	0.0114	-2.5 to 2.5	Pass
					3.6	11.745	0.0140	-2.5 to 2.5	Pass
					4.2	10.686	0.0128	-2.5 to 2.5	Pass
				-30	3.6	12.231	0.0146	-2.5 to 2.5	Pass
				-20	3.6	12.302	0.0147	-2.5 to 2.5	Pass
				-10	3.6	11.930	0.0143	-2.5 to 2.5	Pass
				0	3.6	12.145	0.0145	-2.5 to 2.5	Pass
				10	3.6	12.388	0.0148	-2.5 to 2.5	Pass
				30	3.6	12.231	0.0146	-2.5 to 2.5	Pass
				40	3.6	12.574	0.0150	-2.5 to 2.5	Pass
				50	3.6	13.103	0.0157	-2.5 to 2.5	Pass
	844	50	0	20	3.3	6.566	0.0078	-2.5 to 2.5	Pass
					3.6	2.074	0.0025	-2.5 to 2.5	Pass
					4.2	-2.832	-0.0034	-2.5 to 2.5	Pass
				-30	3.6	-8.168	-0.0097	-2.5 to 2.5	Pass
				-20	3.6	-14.992	-0.0178	-2.5 to 2.5	Pass
				-10	3.6	-17.939	-0.0213	-2.5 to 2.5	Pass
				0	3.6	-20.785	-0.0246	-2.5 to 2.5	Pass
				10	3.6	-23.918	-0.0283	-2.5 to 2.5	Pass
				30	3.6	-27.752	-0.0329	-2.5 to 2.5	Pass
				40	3.6	-30.112	-0.0357	-2.5 to 2.5	Pass
				50	3.6	-32.601	-0.0386	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.3	11.659	0.0141	-2.5 to 2.5	Pass
					3.6	13.118	0.0158	-2.5 to 2.5	Pass
					4.2	14.963	0.0180	-2.5 to 2.5	Pass
				-30	3.6	15.750	0.0190	-2.5 to 2.5	Pass
				-20	3.6	17.323	0.0209	-2.5 to 2.5	Pass
				-10	3.6	18.582	0.0224	-2.5 to 2.5	Pass
				0	3.6	19.298	0.0233	-2.5 to 2.5	Pass
				10	3.6	19.856	0.0240	-2.5 to 2.5	Pass
				30	3.6	20.685	0.0250	-2.5 to 2.5	Pass
				40	3.6	21.844	0.0263	-2.5 to 2.5	Pass
				50	3.6	23.031	0.0278	-2.5 to 2.5	Pass
	836.5	50	0	20	3.3	13.618	0.0163	-2.5 to 2.5	Pass
					3.6	16.351	0.0195	-2.5 to 2.5	Pass
					4.2	19.369	0.0232	-2.5 to 2.5	Pass
				-30	3.6	21.515	0.0257	-2.5 to 2.5	Pass
				-20	3.6	23.074	0.0276	-2.5 to 2.5	Pass
				-10	3.6	25.978	0.0311	-2.5 to 2.5	Pass
				0	3.6	28.296	0.0338	-2.5 to 2.5	Pass
				10	3.6	30.155	0.0360	-2.5 to 2.5	Pass
				30	3.6	33.159	0.0396	-2.5 to 2.5	Pass
				40	3.6	34.275	0.0410	-2.5 to 2.5	Pass
				50	3.6	36.249	0.0433	-2.5 to 2.5	Pass
	844	50	0	20	3.3	-33.574	-0.0398	-2.5 to 2.5	Pass
					3.6	-32.802	-0.0389	-2.5 to 2.5	Pass
					4.2	-32.201	-0.0382	-2.5 to 2.5	Pass
				-30	3.6	-32.258	-0.0382	-2.5 to 2.5	Pass

				-20	3.6	-32.659	-0.0387	-2.5 to 2.5	Pass
				-10	3.6	-31.128	-0.0369	-2.5 to 2.5	Pass
				0	3.6	-31.371	-0.0372	-2.5 to 2.5	Pass
				10	3.6	-31.071	-0.0368	-2.5 to 2.5	Pass
				30	3.6	-30.384	-0.0360	-2.5 to 2.5	Pass
				40	3.6	-31.013	-0.0367	-2.5 to 2.5	Pass
				50	3.6	-30.684	-0.0364	-2.5 to 2.5	Pass

8. Frequency Stability

8.1 B7_5MHz

8.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.3	-12.331	-0.0049	-2.5 to 2.5	Pass
					3.6	-11.258	-0.0045	-2.5 to 2.5	Pass
					4.2	-32.873	-0.0131	-2.5 to 2.5	Pass
				-30	3.6	6.995	0.0028	-2.5 to 2.5	Pass
				-20	3.6	6.623	0.0026	-2.5 to 2.5	Pass
				-10	3.6	1.187	0.0005	-2.5 to 2.5	Pass
				0	3.6	2.089	0.0008	-2.5 to 2.5	Pass
				10	3.6	-0.172	-0.0001	-2.5 to 2.5	Pass
				30	3.6	-4.034	-0.0016	-2.5 to 2.5	Pass
				40	3.6	-8.483	-0.0034	-2.5 to 2.5	Pass
				50	3.6	-6.237	-0.0025	-2.5 to 2.5	Pass
	2535	25	0	20	3.3	-6.123	-0.0024	-2.5 to 2.5	Pass
					3.6	-9.427	-0.0037	-2.5 to 2.5	Pass
					4.2	-16.980	-0.0067	-2.5 to 2.5	Pass
				-30	3.6	-19.369	-0.0076	-2.5 to 2.5	Pass
				-20	3.6	-21.629	-0.0085	-2.5 to 2.5	Pass
				-10	3.6	-23.489	-0.0093	-2.5 to 2.5	Pass
				0	3.6	-25.191	-0.0099	-2.5 to 2.5	Pass
				10	3.6	-27.566	-0.0109	-2.5 to 2.5	Pass
				30	3.6	-28.181	-0.0111	-2.5 to 2.5	Pass
				40	3.6	-28.267	-0.0112	-2.5 to 2.5	Pass
				50	3.6	-31.300	-0.0123	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.3	2.661	0.0010	-2.5 to 2.5	Pass
					3.6	-0.815	-0.0003	-2.5 to 2.5	Pass
					4.2	-5.379	-0.0021	-2.5 to 2.5	Pass
				-30	3.6	-8.955	-0.0035	-2.5 to 2.5	Pass
				-20	3.6	-5.007	-0.0020	-2.5 to 2.5	Pass
				-10	3.6	-3.748	-0.0015	-2.5 to 2.5	Pass
				0	3.6	-1.688	-0.0007	-2.5 to 2.5	Pass
				10	3.6	5.937	0.0023	-2.5 to 2.5	Pass
				30	3.6	6.623	0.0026	-2.5 to 2.5	Pass
				40	3.6	11.601	0.0045	-2.5 to 2.5	Pass
				50	3.6	14.033	0.0055	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.3	-3.977	-0.0016	-2.5 to 2.5	Pass
					3.6	-4.749	-0.0019	-2.5 to 2.5	Pass
					4.2	-6.166	-0.0025	-2.5 to 2.5	Pass
				-30	3.6	-13.075	-0.0052	-2.5 to 2.5	Pass

				-20	3.6	-15.450	-0.0062	-2.5 to 2.5	Pass
				-10	3.6	-21.772	-0.0087	-2.5 to 2.5	Pass
				0	3.6	-26.007	-0.0104	-2.5 to 2.5	Pass
				10	3.6	-30.298	-0.0121	-2.5 to 2.5	Pass
				30	3.6	-33.073	-0.0132	-2.5 to 2.5	Pass
				40	3.6	-35.720	-0.0143	-2.5 to 2.5	Pass
				50	3.6	-39.511	-0.0158	-2.5 to 2.5	Pass
	2535	25	0	20	3.3	-31.242	-0.0123	-2.5 to 2.5	Pass
					3.6	-28.753	-0.0113	-2.5 to 2.5	Pass
					4.2	-26.665	-0.0105	-2.5 to 2.5	Pass
				-30	3.6	-25.978	-0.0102	-2.5 to 2.5	Pass
				-20	3.6	-29.755	-0.0117	-2.5 to 2.5	Pass
				-10	3.6	-32.487	-0.0128	-2.5 to 2.5	Pass
				0	3.6	-34.204	-0.0135	-2.5 to 2.5	Pass
				10	3.6	-33.975	-0.0134	-2.5 to 2.5	Pass
				30	3.6	-32.315	-0.0127	-2.5 to 2.5	Pass
				40	3.6	-35.734	-0.0141	-2.5 to 2.5	Pass
				50	3.6	-36.693	-0.0145	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.3	17.467	0.0068	-2.5 to 2.5	Pass
					3.6	24.905	0.0097	-2.5 to 2.5	Pass
					4.2	22.502	0.0088	-2.5 to 2.5	Pass
				-30	3.6	22.402	0.0087	-2.5 to 2.5	Pass
				-20	3.6	25.949	0.0101	-2.5 to 2.5	Pass
				-10	3.6	24.920	0.0097	-2.5 to 2.5	Pass
				0	3.6	23.203	0.0090	-2.5 to 2.5	Pass
				10	3.6	22.502	0.0088	-2.5 to 2.5	Pass
				30	3.6	22.359	0.0087	-2.5 to 2.5	Pass
				40	3.6	24.118	0.0094	-2.5 to 2.5	Pass
				50	3.6	26.250	0.0102	-2.5 to 2.5	Pass

8.2 B7_10MHz

8.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.3	-11.873	-0.0047	-2.5 to 2.5	Pass
					3.6	-41.671	-0.0166	-2.5 to 2.5	Pass
					4.2	13.976	0.0056	-2.5 to 2.5	Pass
				-30	3.6	13.433	0.0054	-2.5 to 2.5	Pass
				-20	3.6	20.185	0.0081	-2.5 to 2.5	Pass
				-10	3.6	25.806	0.0103	-2.5 to 2.5	Pass
				0	3.6	29.726	0.0119	-2.5 to 2.5	Pass
				10	3.6	35.090	0.0140	-2.5 to 2.5	Pass
				30	3.6	37.036	0.0148	-2.5 to 2.5	Pass
				40	3.6	41.714	0.0167	-2.5 to 2.5	Pass
				50	3.6	45.390	0.0181	-2.5 to 2.5	Pass
	2535	50	0	20	3.3	2.747	0.0011	-2.5 to 2.5	Pass
					3.6	-5.078	-0.0020	-2.5 to 2.5	Pass
					4.2	-8.926	-0.0035	-2.5 to 2.5	Pass
				-30	3.6	-14.148	-0.0056	-2.5 to 2.5	Pass
				-20	3.6	-20.070	-0.0079	-2.5 to 2.5	Pass
				-10	3.6	-21.772	-0.0086	-2.5 to 2.5	Pass
				0	3.6	-25.849	-0.0102	-2.5 to 2.5	Pass

				10	3.6	-23.847	-0.0094	-2.5 to 2.5	Pass
				30	3.6	-24.118	-0.0095	-2.5 to 2.5	Pass
				40	3.6	-24.762	-0.0098	-2.5 to 2.5	Pass
				50	3.6	-25.048	-0.0099	-2.5 to 2.5	Pass
	2565	50	0	20	3.3	-5.908	-0.0023	-2.5 to 2.5	Pass
					3.6	-18.110	-0.0071	-2.5 to 2.5	Pass
					4.2	-22.573	-0.0088	-2.5 to 2.5	Pass
				-30	3.6	-18.282	-0.0071	-2.5 to 2.5	Pass
				-20	3.6	-14.720	-0.0057	-2.5 to 2.5	Pass
				-10	3.6	-8.869	-0.0035	-2.5 to 2.5	Pass
				0	3.6	-2.804	-0.0011	-2.5 to 2.5	Pass
				10	3.6	4.020	0.0016	-2.5 to 2.5	Pass
				30	3.6	6.280	0.0024	-2.5 to 2.5	Pass
				40	3.6	14.105	0.0055	-2.5 to 2.5	Pass
				50	3.6	23.117	0.0090	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.3	47.250	0.0189	-2.5 to 2.5	Pass
					3.6	-9.813	-0.0039	-2.5 to 2.5	Pass
					4.2	-6.809	-0.0027	-2.5 to 2.5	Pass
				-30	3.6	-10.543	-0.0042	-2.5 to 2.5	Pass
				-20	3.6	-13.289	-0.0053	-2.5 to 2.5	Pass
				-10	3.6	-13.318	-0.0053	-2.5 to 2.5	Pass
				0	3.6	-13.404	-0.0054	-2.5 to 2.5	Pass
				10	3.6	-12.445	-0.0050	-2.5 to 2.5	Pass
				30	3.6	-15.550	-0.0062	-2.5 to 2.5	Pass
				40	3.6	-19.026	-0.0076	-2.5 to 2.5	Pass
				50	3.6	-16.465	-0.0066	-2.5 to 2.5	Pass
	2535	50	0	20	3.3	-26.150	-0.0103	-2.5 to 2.5	Pass
					3.6	-24.433	-0.0096	-2.5 to 2.5	Pass
					4.2	-25.992	-0.0103	-2.5 to 2.5	Pass
				-30	3.6	-27.838	-0.0110	-2.5 to 2.5	Pass
				-20	3.6	-27.523	-0.0109	-2.5 to 2.5	Pass
				-10	3.6	-28.625	-0.0113	-2.5 to 2.5	Pass
				0	3.6	-32.415	-0.0128	-2.5 to 2.5	Pass
				10	3.6	-28.367	-0.0112	-2.5 to 2.5	Pass
				30	3.6	-32.187	-0.0127	-2.5 to 2.5	Pass
				40	3.6	-29.941	-0.0118	-2.5 to 2.5	Pass
				50	3.6	-28.238	-0.0111	-2.5 to 2.5	Pass
	2565	50	0	20	3.3	27.337	0.0107	-2.5 to 2.5	Pass
					3.6	34.246	0.0134	-2.5 to 2.5	Pass
					4.2	36.592	0.0143	-2.5 to 2.5	Pass
				-30	3.6	1.144	0.0004	-2.5 to 2.5	Pass
				-20	3.6	0.129	0.0001	-2.5 to 2.5	Pass
				-10	3.6	-0.443	-0.0002	-2.5 to 2.5	Pass
				0	3.6	-1.245	-0.0005	-2.5 to 2.5	Pass
				10	3.6	3.948	0.0015	-2.5 to 2.5	Pass
				30	3.6	4.334	0.0017	-2.5 to 2.5	Pass
				40	3.6	3.204	0.0012	-2.5 to 2.5	Pass
				50	3.6	2.618	0.0010	-2.5 to 2.5	Pass

8.3 B7_15MHz

8.3.1 Test Result

Band: 7 / Bandwidth: 15MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	2507.5	75	0	20	3.3	-14.548	-0.0058	-2.5 to 2.5	Pass
					3.6	-12.131	-0.0048	-2.5 to 2.5	Pass
					4.2	-7.453	-0.0030	-2.5 to 2.5	Pass
				-30	3.6	-3.576	-0.0014	-2.5 to 2.5	Pass
				-20	3.6	4.392	0.0018	-2.5 to 2.5	Pass
				-10	3.6	13.118	0.0052	-2.5 to 2.5	Pass
				0	3.6	20.356	0.0081	-2.5 to 2.5	Pass
				10	3.6	27.452	0.0109	-2.5 to 2.5	Pass
				30	3.6	35.648	0.0142	-2.5 to 2.5	Pass
				40	3.6	-5.250	-0.0021	-2.5 to 2.5	Pass
				50	3.6	0.772	0.0003	-2.5 to 2.5	Pass
	2535	75	0	20	3.3	15.321	0.0060	-2.5 to 2.5	Pass
					3.6	4.134	0.0016	-2.5 to 2.5	Pass
					4.2	-8.097	-0.0032	-2.5 to 2.5	Pass
				-30	3.6	-14.820	-0.0058	-2.5 to 2.5	Pass
				-20	3.6	-20.041	-0.0079	-2.5 to 2.5	Pass
				-10	3.6	-24.076	-0.0095	-2.5 to 2.5	Pass
				0	3.6	-26.808	-0.0106	-2.5 to 2.5	Pass
				10	3.6	-30.055	-0.0119	-2.5 to 2.5	Pass
				30	3.6	-30.456	-0.0120	-2.5 to 2.5	Pass
				40	3.6	-36.907	-0.0146	-2.5 to 2.5	Pass
				50	3.6	-36.049	-0.0142	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.3	6.280	0.0025	-2.5 to 2.5	Pass
					3.6	-8.469	-0.0033	-2.5 to 2.5	Pass
					4.2	-5.393	-0.0021	-2.5 to 2.5	Pass
				-30	3.6	2.174	0.0008	-2.5 to 2.5	Pass
				-20	3.6	13.361	0.0052	-2.5 to 2.5	Pass
				-10	3.6	25.849	0.0101	-2.5 to 2.5	Pass
				0	3.6	42.686	0.0167	-2.5 to 2.5	Pass
				10	3.6	15.979	0.0062	-2.5 to 2.5	Pass
				30	3.6	26.379	0.0103	-2.5 to 2.5	Pass
				40	3.6	38.352	0.0150	-2.5 to 2.5	Pass
				50	3.6	7.324	0.0029	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.3	5.507	0.0022	-2.5 to 2.5	Pass
					3.6	12.517	0.0050	-2.5 to 2.5	Pass
					4.2	11.373	0.0045	-2.5 to 2.5	Pass
				-30	3.6	9.699	0.0039	-2.5 to 2.5	Pass
				-20	3.6	8.898	0.0035	-2.5 to 2.5	Pass
				-10	3.6	5.293	0.0021	-2.5 to 2.5	Pass
				0	3.6	2.789	0.0011	-2.5 to 2.5	Pass
				10	3.6	1.073	0.0004	-2.5 to 2.5	Pass
				30	3.6	0.429	0.0002	-2.5 to 2.5	Pass
				40	3.6	-3.133	-0.0012	-2.5 to 2.5	Pass
				50	3.6	-0.086	0.0000	-2.5 to 2.5	Pass
	2535	75	0	20	3.3	-36.807	-0.0145	-2.5 to 2.5	Pass
					3.6	-36.163	-0.0143	-2.5 to 2.5	Pass
					4.2	-36.063	-0.0142	-2.5 to 2.5	Pass
				-30	3.6	-8.597	-0.0034	-2.5 to 2.5	Pass
				-20	3.6	-9.112	-0.0036	-2.5 to 2.5	Pass
				-10	3.6	-14.963	-0.0059	-2.5 to 2.5	Pass
				0	3.6	-17.166	-0.0068	-2.5 to 2.5	Pass
				10	3.6	-18.168	-0.0072	-2.5 to 2.5	Pass
				30	3.6	-22.616	-0.0089	-2.5 to 2.5	Pass
				40	3.6	-19.369	-0.0076	-2.5 to 2.5	Pass
				50	3.6	-24.548	-0.0097	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.3	-1.273	-0.0005	-2.5 to 2.5	Pass

					3.6	10.257	0.0040	-2.5 to 2.5	Pass
					4.2	14.791	0.0058	-2.5 to 2.5	Pass
				-30	3.6	18.225	0.0071	-2.5 to 2.5	Pass
				-20	3.6	17.452	0.0068	-2.5 to 2.5	Pass
				-10	3.6	19.298	0.0075	-2.5 to 2.5	Pass
				0	3.6	18.439	0.0072	-2.5 to 2.5	Pass
				10	3.6	18.797	0.0073	-2.5 to 2.5	Pass
				30	3.6	17.710	0.0069	-2.5 to 2.5	Pass
				40	3.6	21.029	0.0082	-2.5 to 2.5	Pass
				50	3.6	20.742	0.0081	-2.5 to 2.5	Pass

8.4 B7_20MHz

8.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.3	-4.849	-0.0019	-2.5 to 2.5	Pass
					3.6	-2.604	-0.0010	-2.5 to 2.5	Pass
					4.2	-1.388	-0.0006	-2.5 to 2.5	Pass
				-30	3.6	9.685	0.0039	-2.5 to 2.5	Pass
				-20	3.6	21.772	0.0087	-2.5 to 2.5	Pass
				-10	3.6	33.488	0.0133	-2.5 to 2.5	Pass
				0	3.6	45.090	0.0180	-2.5 to 2.5	Pass
				10	3.6	6.695	0.0027	-2.5 to 2.5	Pass
				30	3.6	19.684	0.0078	-2.5 to 2.5	Pass
				40	3.6	31.314	0.0125	-2.5 to 2.5	Pass
				50	3.6	42.114	0.0168	-2.5 to 2.5	Pass
	2535	100	0	20	3.3	18.997	0.0075	-2.5 to 2.5	Pass
					3.6	4.721	0.0019	-2.5 to 2.5	Pass
					4.2	-8.197	-0.0032	-2.5 to 2.5	Pass
				-30	3.6	-23.260	-0.0092	-2.5 to 2.5	Pass
				-20	3.6	-31.857	-0.0126	-2.5 to 2.5	Pass
				-10	3.6	-36.306	-0.0143	-2.5 to 2.5	Pass
				0	3.6	-40.970	-0.0162	-2.5 to 2.5	Pass
				10	3.6	-44.160	-0.0174	-2.5 to 2.5	Pass
				30	3.6	-13.704	-0.0054	-2.5 to 2.5	Pass
				40	3.6	-16.422	-0.0065	-2.5 to 2.5	Pass
				50	3.6	-23.131	-0.0091	-2.5 to 2.5	Pass
	2560	100	0	20	3.3	13.719	0.0054	-2.5 to 2.5	Pass
					3.6	6.452	0.0025	-2.5 to 2.5	Pass
					4.2	18.039	0.0070	-2.5 to 2.5	Pass
				-30	3.6	26.336	0.0103	-2.5 to 2.5	Pass
				-20	3.6	9.441	0.0037	-2.5 to 2.5	Pass
				-10	3.6	32.129	0.0126	-2.5 to 2.5	Pass
				0	3.6	8.569	0.0033	-2.5 to 2.5	Pass
				10	3.6	29.855	0.0117	-2.5 to 2.5	Pass
				30	3.6	12.231	0.0048	-2.5 to 2.5	Pass
				40	3.6	31.500	0.0123	-2.5 to 2.5	Pass
				50	3.6	15.635	0.0061	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.3	13.161	0.0052	-2.5 to 2.5	Pass
					3.6	21.787	0.0087	-2.5 to 2.5	Pass
					4.2	14.420	0.0057	-2.5 to 2.5	Pass
				-30	3.6	7.811	0.0031	-2.5 to 2.5	Pass

				-20	3.6	-1.159	-0.0005	-2.5 to 2.5	Pass
				-10	3.6	-5.836	-0.0023	-2.5 to 2.5	Pass
				0	3.6	-11.072	-0.0044	-2.5 to 2.5	Pass
				10	3.6	-14.820	-0.0059	-2.5 to 2.5	Pass
				30	3.6	-20.628	-0.0082	-2.5 to 2.5	Pass
				40	3.6	-23.875	-0.0095	-2.5 to 2.5	Pass
				50	3.6	-25.578	-0.0102	-2.5 to 2.5	Pass
	2535	100	0	20	3.3	-24.834	-0.0098	-2.5 to 2.5	Pass
					3.6	-27.795	-0.0110	-2.5 to 2.5	Pass
					4.2	-31.614	-0.0125	-2.5 to 2.5	Pass
				-30	3.6	-39.096	-0.0154	-2.5 to 2.5	Pass
				-20	3.6	-42.987	-0.0170	-2.5 to 2.5	Pass
				-10	3.6	13.018	0.0051	-2.5 to 2.5	Pass
				0	3.6	8.454	0.0033	-2.5 to 2.5	Pass
				10	3.6	2.689	0.0011	-2.5 to 2.5	Pass
				30	3.6	-3.090	-0.0012	-2.5 to 2.5	Pass
				40	3.6	-2.975	-0.0012	-2.5 to 2.5	Pass
				50	3.6	-8.612	-0.0034	-2.5 to 2.5	Pass
	2560	100	0	20	3.3	31.757	0.0124	-2.5 to 2.5	Pass
					3.6	-0.286	-0.0001	-2.5 to 2.5	Pass
					4.2	-1.030	-0.0004	-2.5 to 2.5	Pass
				-30	3.6	-2.246	-0.0009	-2.5 to 2.5	Pass
				-20	3.6	-4.048	-0.0016	-2.5 to 2.5	Pass
				-10	3.6	-8.097	-0.0032	-2.5 to 2.5	Pass
				0	3.6	-7.467	-0.0029	-2.5 to 2.5	Pass
				10	3.6	-7.725	-0.0030	-2.5 to 2.5	Pass
				30	3.6	-7.424	-0.0029	-2.5 to 2.5	Pass
				40	3.6	-7.010	-0.0027	-2.5 to 2.5	Pass
				50	3.6	-6.166	-0.0024	-2.5 to 2.5	Pass