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	3.5	-8.540	-0.0046	-2.5 to 2.5	Pass
					3.8	-10.858	-0.0059	-2.5 to 2.5	Pass
					4.35	-10.672	-0.0058	-2.5 to 2.5	Pass
				-30	3.8	-10.085	-0.0054	-2.5 to 2.5	Pass
				-20	3.8	-8.626	-0.0047	-2.5 to 2.5	Pass
				-10	3.8	-8.011	-0.0043	-2.5 to 2.5	Pass
				0	3.8	-6.409	-0.0035	-2.5 to 2.5	Pass
				10	3.8	-4.435	-0.0024	-2.5 to 2.5	Pass
				30	3.8	-1.531	-0.0008	-2.5 to 2.5	Pass
				40	3.8	-0.200	-0.0001	-2.5 to 2.5	Pass
				50	3.8	1.903	0.0010	-2.5 to 2.5	Pass
	1880	6	0	20	3.5	-23.317	-0.0124	-2.5 to 2.5	Pass
					3.8	-25.206	-0.0134	-2.5 to 2.5	Pass
					4.35	-24.533	-0.0130	-2.5 to 2.5	Pass
				-30	3.8	-24.033	-0.0128	-2.5 to 2.5	Pass
				-20	3.8	-23.661	-0.0126	-2.5 to 2.5	Pass
				-10	3.8	-22.373	-0.0119	-2.5 to 2.5	Pass
				0	3.8	-22.030	-0.0117	-2.5 to 2.5	Pass
				10	3.8	-21.815	-0.0116	-2.5 to 2.5	Pass
				30	3.8	-21.400	-0.0114	-2.5 to 2.5	Pass
				40	3.8	-20.657	-0.0110	-2.5 to 2.5	Pass
				50	3.8	-19.798	-0.0105	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.5	-13.075	-0.0068	-2.5 to 2.5	Pass
					3.8	-14.877	-0.0078	-2.5 to 2.5	Pass
					4.35	-14.620	-0.0077	-2.5 to 2.5	Pass
				-30	3.8	-13.504	-0.0071	-2.5 to 2.5	Pass
				-20	3.8	-11.802	-0.0062	-2.5 to 2.5	Pass
				-10	3.8	-8.912	-0.0047	-2.5 to 2.5	Pass
				0	3.8	-5.479	-0.0029	-2.5 to 2.5	Pass
				10	3.8	-3.033	-0.0016	-2.5 to 2.5	Pass
				30	3.8	-0.815	-0.0004	-2.5 to 2.5	Pass
				40	3.8	2.546	0.0013	-2.5 to 2.5	Pass
				50	3.8	4.420	0.0023	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.5	5.064	0.0027	-2.5 to 2.5	Pass
					3.8	8.354	0.0045	-2.5 to 2.5	Pass
					4.35	10.543	0.0057	-2.5 to 2.5	Pass
				-30	3.8	11.029	0.0060	-2.5 to 2.5	Pass
				-20	3.8	12.832	0.0069	-2.5 to 2.5	Pass
				-10	3.8	13.976	0.0076	-2.5 to 2.5	Pass
				0	3.8	15.492	0.0084	-2.5 to 2.5	Pass
				10	3.8	16.108	0.0087	-2.5 to 2.5	Pass
				30	3.8	17.037	0.0092	-2.5 to 2.5	Pass
				40	3.8	17.309	0.0094	-2.5 to 2.5	Pass
				50	3.8	18.039	0.0097	-2.5 to 2.5	Pass
	1880	6	0	20	3.5	-19.612	-0.0104	-2.5 to 2.5	Pass
					3.8	-18.368	-0.0098	-2.5 to 2.5	Pass
					4.35	-17.467	-0.0093	-2.5 to 2.5	Pass
				-30	3.8	-17.323	-0.0092	-2.5 to 2.5	Pass
				-20	3.8	-16.694	-0.0089	-2.5 to 2.5	Pass

				-10	3.8	-16.494	-0.0088	-2.5 to 2.5	Pass
				0	3.8	-16.322	-0.0087	-2.5 to 2.5	Pass
				10	3.8	-15.907	-0.0085	-2.5 to 2.5	Pass
				30	3.8	-15.779	-0.0084	-2.5 to 2.5	Pass
				40	3.8	-16.093	-0.0086	-2.5 to 2.5	Pass
				50	3.8	-15.092	-0.0080	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.5	6.180	0.0032	-2.5 to 2.5	Pass
					3.8	9.756	0.0051	-2.5 to 2.5	Pass
					4.35	12.589	0.0066	-2.5 to 2.5	Pass
				-30	3.8	14.863	0.0078	-2.5 to 2.5	Pass
				-20	3.8	16.065	0.0084	-2.5 to 2.5	Pass
				-10	3.8	18.554	0.0097	-2.5 to 2.5	Pass
				0	3.8	19.212	0.0101	-2.5 to 2.5	Pass
				10	3.8	21.186	0.0111	-2.5 to 2.5	Pass
				30	3.8	22.788	0.0119	-2.5 to 2.5	Pass
				40	3.8	23.704	0.0124	-2.5 to 2.5	Pass
				50	3.8	24.276	0.0127	-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	3.5	-14.949	-0.0081	-2.5 to 2.5	Pass
					3.8	-18.597	-0.0100	-2.5 to 2.5	Pass
					4.35	-17.180	-0.0093	-2.5 to 2.5	Pass
				-30	3.8	-16.680	-0.0090	-2.5 to 2.5	Pass
				-20	3.8	-15.879	-0.0086	-2.5 to 2.5	Pass
				-10	3.8	-15.020	-0.0081	-2.5 to 2.5	Pass
				0	3.8	-14.277	-0.0077	-2.5 to 2.5	Pass
				10	3.8	-12.531	-0.0068	-2.5 to 2.5	Pass
				30	3.8	-12.174	-0.0066	-2.5 to 2.5	Pass
				40	3.8	-11.044	-0.0060	-2.5 to 2.5	Pass
				50	3.8	-9.656	-0.0052	-2.5 to 2.5	Pass
	1880	15	0	20	3.5	-32.573	-0.0173	-2.5 to 2.5	Pass
					3.8	-33.746	-0.0180	-2.5 to 2.5	Pass
					4.35	-33.488	-0.0178	-2.5 to 2.5	Pass
				-30	3.8	-32.802	-0.0174	-2.5 to 2.5	Pass
				-20	3.8	-32.330	-0.0172	-2.5 to 2.5	Pass
				-10	3.8	-30.670	-0.0163	-2.5 to 2.5	Pass
				0	3.8	-30.141	-0.0160	-2.5 to 2.5	Pass
				10	3.8	-29.726	-0.0158	-2.5 to 2.5	Pass
				30	3.8	-29.583	-0.0157	-2.5 to 2.5	Pass
				40	3.8	-29.426	-0.0157	-2.5 to 2.5	Pass
				50	3.8	-29.054	-0.0155	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.5	1.717	0.0009	-2.5 to 2.5	Pass
					3.8	-1.817	-0.0010	-2.5 to 2.5	Pass
					4.35	-2.546	-0.0013	-2.5 to 2.5	Pass
				-30	3.8	-0.987	-0.0005	-2.5 to 2.5	Pass
				-20	3.8	0.343	0.0002	-2.5 to 2.5	Pass
				-10	3.8	0.329	0.0002	-2.5 to 2.5	Pass
				0	3.8	1.545	0.0008	-2.5 to 2.5	Pass
				10	3.8	2.575	0.0013	-2.5 to 2.5	Pass
				30	3.8	2.761	0.0014	-2.5 to 2.5	Pass
				40	3.8	3.648	0.0019	-2.5 to 2.5	Pass

				50	3.8	5.150	0.0027	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.5	-8.554	-0.0046	-2.5 to 2.5	Pass
					3.8	-6.638	-0.0036	-2.5 to 2.5	Pass
					4.35	-6.022	-0.0033	-2.5 to 2.5	Pass
				-30	3.8	-4.735	-0.0026	-2.5 to 2.5	Pass
				-20	3.8	-4.134	-0.0022	-2.5 to 2.5	Pass
				-10	3.8	-3.090	-0.0017	-2.5 to 2.5	Pass
				0	3.8	-2.089	-0.0011	-2.5 to 2.5	Pass
				10	3.8	-1.988	-0.0011	-2.5 to 2.5	Pass
				30	3.8	-1.431	-0.0008	-2.5 to 2.5	Pass
				40	3.8	-1.259	-0.0007	-2.5 to 2.5	Pass
				50	3.8	0.143	0.0001	-2.5 to 2.5	Pass
	1880	15	0	20	3.5	-29.812	-0.0159	-2.5 to 2.5	Pass
					3.8	-28.238	-0.0150	-2.5 to 2.5	Pass
					4.35	-28.811	-0.0153	-2.5 to 2.5	Pass
				-30	3.8	-28.653	-0.0152	-2.5 to 2.5	Pass
				-20	3.8	-27.680	-0.0147	-2.5 to 2.5	Pass
				-10	3.8	-27.094	-0.0144	-2.5 to 2.5	Pass
				0	3.8	-26.565	-0.0141	-2.5 to 2.5	Pass
				10	3.8	-26.979	-0.0144	-2.5 to 2.5	Pass
				30	3.8	-26.565	-0.0141	-2.5 to 2.5	Pass
				40	3.8	-26.979	-0.0144	-2.5 to 2.5	Pass
				50	3.8	-27.037	-0.0144	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.5	5.808	0.0030	-2.5 to 2.5	Pass
					3.8	7.410	0.0039	-2.5 to 2.5	Pass
					4.35	8.340	0.0044	-2.5 to 2.5	Pass
				-30	3.8	8.798	0.0046	-2.5 to 2.5	Pass
				-20	3.8	8.411	0.0044	-2.5 to 2.5	Pass
				-10	3.8	9.341	0.0049	-2.5 to 2.5	Pass
				0	3.8	10.042	0.0053	-2.5 to 2.5	Pass
				10	3.8	11.315	0.0059	-2.5 to 2.5	Pass
				30	3.8	10.843	0.0057	-2.5 to 2.5	Pass
				40	3.8	11.244	0.0059	-2.5 to 2.5	Pass
				50	3.8	12.045	0.0063	-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	3.5	-28.467	-0.0154	-2.5 to 2.5	Pass
					3.8	-31.414	-0.0170	-2.5 to 2.5	Pass
					4.35	-31.571	-0.0170	-2.5 to 2.5	Pass
				-30	3.8	-32.201	-0.0174	-2.5 to 2.5	Pass
				-20	3.8	-31.343	-0.0169	-2.5 to 2.5	Pass
				-10	3.8	-31.357	-0.0169	-2.5 to 2.5	Pass
				0	3.8	-31.185	-0.0168	-2.5 to 2.5	Pass
				10	3.8	-29.998	-0.0162	-2.5 to 2.5	Pass
				30	3.8	-29.140	-0.0157	-2.5 to 2.5	Pass
				40	3.8	-28.210	-0.0152	-2.5 to 2.5	Pass
				50	3.8	-27.795	-0.0150	-2.5 to 2.5	Pass
	1880	25	0	20	3.5	-1.745	-0.0009	-2.5 to 2.5	Pass
					3.8	-6.208	-0.0033	-2.5 to 2.5	Pass
					4.35	-4.277	-0.0023	-2.5 to 2.5	Pass
				-30	3.8	-1.817	-0.0010	-2.5 to 2.5	Pass

				-20	3.8	1.216	0.0006	-2.5 to 2.5	Pass
				-10	3.8	4.606	0.0025	-2.5 to 2.5	Pass
				0	3.8	7.467	0.0040	-2.5 to 2.5	Pass
				10	3.8	10.757	0.0057	-2.5 to 2.5	Pass
				30	3.8	13.461	0.0072	-2.5 to 2.5	Pass
				40	3.8	16.780	0.0089	-2.5 to 2.5	Pass
				50	3.8	18.911	0.0101	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.5	-15.106	-0.0079	-2.5 to 2.5	Pass
					3.8	-17.152	-0.0090	-2.5 to 2.5	Pass
					4.35	-15.836	-0.0083	-2.5 to 2.5	Pass
				-30	3.8	-13.576	-0.0071	-2.5 to 2.5	Pass
				-20	3.8	-11.601	-0.0061	-2.5 to 2.5	Pass
				-10	3.8	-10.529	-0.0055	-2.5 to 2.5	Pass
				0	3.8	-8.841	-0.0046	-2.5 to 2.5	Pass
				10	3.8	-7.210	-0.0038	-2.5 to 2.5	Pass
				30	3.8	-5.693	-0.0030	-2.5 to 2.5	Pass
				40	3.8	-2.875	-0.0015	-2.5 to 2.5	Pass
				50	3.8	-2.732	-0.0014	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.5	-26.937	-0.0145	-2.5 to 2.5	Pass
					3.8	-25.177	-0.0136	-2.5 to 2.5	Pass
					4.35	-24.762	-0.0134	-2.5 to 2.5	Pass
				-30	3.8	-23.589	-0.0127	-2.5 to 2.5	Pass
				-20	3.8	-22.831	-0.0123	-2.5 to 2.5	Pass
				-10	3.8	-22.359	-0.0121	-2.5 to 2.5	Pass
				0	3.8	-21.415	-0.0116	-2.5 to 2.5	Pass
				10	3.8	-21.386	-0.0115	-2.5 to 2.5	Pass
				30	3.8	-21.000	-0.0113	-2.5 to 2.5	Pass
				40	3.8	-20.013	-0.0108	-2.5 to 2.5	Pass
				50	3.8	-19.813	-0.0107	-2.5 to 2.5	Pass
	1880	25	0	20	3.5	22.058	0.0117	-2.5 to 2.5	Pass
					3.8	26.178	0.0139	-2.5 to 2.5	Pass
					4.35	29.469	0.0157	-2.5 to 2.5	Pass
				-30	3.8	31.486	0.0167	-2.5 to 2.5	Pass
				-20	3.8	33.631	0.0179	-2.5 to 2.5	Pass
				-10	3.8	35.691	0.0190	-2.5 to 2.5	Pass
				0	3.8	38.037	0.0202	-2.5 to 2.5	Pass
				10	3.8	39.639	0.0211	-2.5 to 2.5	Pass
				30	3.8	42.157	0.0224	-2.5 to 2.5	Pass
				40	3.8	43.645	0.0232	-2.5 to 2.5	Pass
				50	3.8	45.047	0.0240	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.5	0.014	0.0000	-2.5 to 2.5	Pass
					3.8	2.604	0.0014	-2.5 to 2.5	Pass
					4.35	3.676	0.0019	-2.5 to 2.5	Pass
				-30	3.8	3.934	0.0021	-2.5 to 2.5	Pass
				-20	3.8	5.908	0.0031	-2.5 to 2.5	Pass
				-10	3.8	6.466	0.0034	-2.5 to 2.5	Pass
				0	3.8	7.253	0.0038	-2.5 to 2.5	Pass
				10	3.8	7.868	0.0041	-2.5 to 2.5	Pass
				30	3.8	8.297	0.0043	-2.5 to 2.5	Pass
				40	3.8	8.440	0.0044	-2.5 to 2.5	Pass
				50	3.8	8.755	0.0046	-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	3.5	-17.524	-0.0094	-2.5 to 2.5	Pass
					3.8	-20.056	-0.0108	-2.5 to 2.5	Pass
					4.35	-20.757	-0.0112	-2.5 to 2.5	Pass
				-30	3.8	-20.671	-0.0111	-2.5 to 2.5	Pass
				-20	3.8	-19.441	-0.0105	-2.5 to 2.5	Pass
				-10	3.8	-18.368	-0.0099	-2.5 to 2.5	Pass
				0	3.8	-16.866	-0.0091	-2.5 to 2.5	Pass
				10	3.8	-14.820	-0.0080	-2.5 to 2.5	Pass
				30	3.8	-14.033	-0.0076	-2.5 to 2.5	Pass
				40	3.8	-11.559	-0.0062	-2.5 to 2.5	Pass
				50	3.8	-10.071	-0.0054	-2.5 to 2.5	Pass
	1880	50	0	20	3.5	-7.439	-0.0040	-2.5 to 2.5	Pass
					3.8	-8.769	-0.0047	-2.5 to 2.5	Pass
					4.35	-9.155	-0.0049	-2.5 to 2.5	Pass
				-30	3.8	-9.098	-0.0048	-2.5 to 2.5	Pass
				-20	3.8	-8.783	-0.0047	-2.5 to 2.5	Pass
				-10	3.8	-9.327	-0.0050	-2.5 to 2.5	Pass
				0	3.8	-8.726	-0.0046	-2.5 to 2.5	Pass
				10	3.8	-8.383	-0.0045	-2.5 to 2.5	Pass
				30	3.8	-8.354	-0.0044	-2.5 to 2.5	Pass
				40	3.8	-7.253	-0.0039	-2.5 to 2.5	Pass
				50	3.8	-6.981	-0.0037	-2.5 to 2.5	Pass
	1905	50	0	20	3.5	-24.405	-0.0128	-2.5 to 2.5	Pass
					3.8	-25.792	-0.0135	-2.5 to 2.5	Pass
					4.35	-23.789	-0.0125	-2.5 to 2.5	Pass
				-30	3.8	-21.772	-0.0114	-2.5 to 2.5	Pass
				-20	3.8	-20.084	-0.0105	-2.5 to 2.5	Pass
				-10	3.8	-17.710	-0.0093	-2.5 to 2.5	Pass
				0	3.8	-16.208	-0.0085	-2.5 to 2.5	Pass
				10	3.8	-14.219	-0.0075	-2.5 to 2.5	Pass
				30	3.8	-12.717	-0.0067	-2.5 to 2.5	Pass
				40	3.8	-10.486	-0.0055	-2.5 to 2.5	Pass
				50	3.8	-8.483	-0.0045	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.5	-7.782	-0.0042	-2.5 to 2.5	Pass
					3.8	-6.351	-0.0034	-2.5 to 2.5	Pass
					4.35	-5.479	-0.0030	-2.5 to 2.5	Pass
				-30	3.8	-4.091	-0.0022	-2.5 to 2.5	Pass
				-20	3.8	-3.633	-0.0020	-2.5 to 2.5	Pass
				-10	3.8	-3.862	-0.0021	-2.5 to 2.5	Pass
				0	3.8	-2.503	-0.0013	-2.5 to 2.5	Pass
				10	3.8	-1.588	-0.0009	-2.5 to 2.5	Pass
				30	3.8	-1.130	-0.0006	-2.5 to 2.5	Pass
				40	3.8	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.8	-0.072	0.0000	-2.5 to 2.5	Pass
	1880	50	0	20	3.5	-6.838	-0.0036	-2.5 to 2.5	Pass
					3.8	-6.051	-0.0032	-2.5 to 2.5	Pass
					4.35	-6.137	-0.0033	-2.5 to 2.5	Pass
				-30	3.8	-6.924	-0.0037	-2.5 to 2.5	Pass
				-20	3.8	-7.510	-0.0040	-2.5 to 2.5	Pass
				-10	3.8	-6.866	-0.0037	-2.5 to 2.5	Pass
				0	3.8	-6.037	-0.0032	-2.5 to 2.5	Pass
				10	3.8	-4.978	-0.0026	-2.5 to 2.5	Pass
				30	3.8	-5.093	-0.0027	-2.5 to 2.5	Pass
				40	3.8	-3.991	-0.0021	-2.5 to 2.5	Pass
				50	3.8	-3.805	-0.0020	-2.5 to 2.5	Pass
	1905	50	0	20	3.5	-6.738	-0.0035	-2.5 to 2.5	Pass
					3.8	-5.007	-0.0026	-2.5 to 2.5	Pass

					4.35	-4.320	-0.0023	-2.5 to 2.5	Pass
				-30	3.8	-4.306	-0.0023	-2.5 to 2.5	Pass
				-20	3.8	-4.964	-0.0026	-2.5 to 2.5	Pass
				-10	3.8	-5.779	-0.0030	-2.5 to 2.5	Pass
				0	3.8	-5.865	-0.0031	-2.5 to 2.5	Pass
				10	3.8	-6.623	-0.0035	-2.5 to 2.5	Pass
				30	3.8	-7.367	-0.0039	-2.5 to 2.5	Pass
				40	3.8	-6.523	-0.0034	-2.5 to 2.5	Pass
				50	3.8	-6.423	-0.0034	-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	3.5	2.646	0.0014	-2.5 to 2.5	Pass
					3.8	-1.016	-0.0005	-2.5 to 2.5	Pass
					4.35	-0.372	-0.0002	-2.5 to 2.5	Pass
				-30	3.8	-0.658	-0.0004	-2.5 to 2.5	Pass
				-20	3.8	0.286	0.0002	-2.5 to 2.5	Pass
				-10	3.8	1.831	0.0010	-2.5 to 2.5	Pass
				0	3.8	2.432	0.0013	-2.5 to 2.5	Pass
				10	3.8	4.048	0.0022	-2.5 to 2.5	Pass
				30	3.8	5.322	0.0029	-2.5 to 2.5	Pass
				40	3.8	6.938	0.0037	-2.5 to 2.5	Pass
				50	3.8	7.639	0.0041	-2.5 to 2.5	Pass
	1880	75	0	20	3.5	-16.780	-0.0089	-2.5 to 2.5	Pass
					3.8	-17.767	-0.0095	-2.5 to 2.5	Pass
					4.35	-18.010	-0.0096	-2.5 to 2.5	Pass
				-30	3.8	-18.411	-0.0098	-2.5 to 2.5	Pass
				-20	3.8	-19.097	-0.0102	-2.5 to 2.5	Pass
				-10	3.8	-19.341	-0.0103	-2.5 to 2.5	Pass
				0	3.8	-18.940	-0.0101	-2.5 to 2.5	Pass
				10	3.8	-18.768	-0.0100	-2.5 to 2.5	Pass
				30	3.8	-18.511	-0.0098	-2.5 to 2.5	Pass
				40	3.8	-18.511	-0.0098	-2.5 to 2.5	Pass
				50	3.8	-19.083	-0.0102	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.5	-9.999	-0.0053	-2.5 to 2.5	Pass
					3.8	-11.916	-0.0063	-2.5 to 2.5	Pass
					4.35	-11.129	-0.0058	-2.5 to 2.5	Pass
				-30	3.8	-9.971	-0.0052	-2.5 to 2.5	Pass
				-20	3.8	-7.539	-0.0040	-2.5 to 2.5	Pass
				-10	3.8	-6.237	-0.0033	-2.5 to 2.5	Pass
				0	3.8	-3.819	-0.0020	-2.5 to 2.5	Pass
				10	3.8	-1.559	-0.0008	-2.5 to 2.5	Pass
				30	3.8	-0.300	-0.0002	-2.5 to 2.5	Pass
				40	3.8	1.202	0.0006	-2.5 to 2.5	Pass
				50	3.8	2.017	0.0011	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.5	9.284	0.0050	-2.5 to 2.5	Pass
					3.8	10.228	0.0055	-2.5 to 2.5	Pass
					4.35	10.285	0.0055	-2.5 to 2.5	Pass
				-30	3.8	11.129	0.0060	-2.5 to 2.5	Pass
				-20	3.8	11.430	0.0062	-2.5 to 2.5	Pass
				-10	3.8	11.473	0.0062	-2.5 to 2.5	Pass
				0	3.8	11.444	0.0062	-2.5 to 2.5	Pass

				10	3.8	11.916	0.0064	-2.5 to 2.5	Pass
				30	3.8	10.872	0.0059	-2.5 to 2.5	Pass
				40	3.8	12.331	0.0066	-2.5 to 2.5	Pass
				50	3.8	13.132	0.0071	-2.5 to 2.5	Pass
	1880	75	0	20	3.5	-19.770	-0.0105	-2.5 to 2.5	Pass
					3.8	-17.695	-0.0094	-2.5 to 2.5	Pass
					4.35	-16.193	-0.0086	-2.5 to 2.5	Pass
				-30	3.8	-16.894	-0.0090	-2.5 to 2.5	Pass
				-20	3.8	-16.479	-0.0088	-2.5 to 2.5	Pass
				-10	3.8	-17.266	-0.0092	-2.5 to 2.5	Pass
				0	3.8	-16.880	-0.0090	-2.5 to 2.5	Pass
				10	3.8	-15.707	-0.0084	-2.5 to 2.5	Pass
				30	3.8	-16.980	-0.0090	-2.5 to 2.5	Pass
				40	3.8	-16.079	-0.0086	-2.5 to 2.5	Pass
				50	3.8	-16.451	-0.0088	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.5	3.061	0.0016	-2.5 to 2.5	Pass
					3.8	4.091	0.0022	-2.5 to 2.5	Pass
					4.35	4.091	0.0022	-2.5 to 2.5	Pass
				-30	3.8	4.706	0.0025	-2.5 to 2.5	Pass
				-20	3.8	3.805	0.0020	-2.5 to 2.5	Pass
				-10	3.8	3.533	0.0019	-2.5 to 2.5	Pass
				0	3.8	4.034	0.0021	-2.5 to 2.5	Pass
				10	3.8	4.005	0.0021	-2.5 to 2.5	Pass
				30	3.8	4.778	0.0025	-2.5 to 2.5	Pass
				40	3.8	5.350	0.0028	-2.5 to 2.5	Pass
				50	3.8	4.778	0.0025	-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	3.5	-14.834	-0.0080	-2.5 to 2.5	Pass
					3.8	-17.667	-0.0095	-2.5 to 2.5	Pass
					4.35	-18.396	-0.0099	-2.5 to 2.5	Pass
				-30	3.8	-17.610	-0.0095	-2.5 to 2.5	Pass
				-20	3.8	-16.465	-0.0089	-2.5 to 2.5	Pass
				-10	3.8	-14.791	-0.0080	-2.5 to 2.5	Pass
				0	3.8	-13.804	-0.0074	-2.5 to 2.5	Pass
				10	3.8	-12.760	-0.0069	-2.5 to 2.5	Pass
				30	3.8	-11.187	-0.0060	-2.5 to 2.5	Pass
				40	3.8	-11.086	-0.0060	-2.5 to 2.5	Pass
				50	3.8	-9.928	-0.0053	-2.5 to 2.5	Pass
	1880	100	0	20	3.5	-49.210	-0.0262	-2.5 to 2.5	Pass
					3.8	-49.410	-0.0263	-2.5 to 2.5	Pass
					4.35	-48.723	-0.0259	-2.5 to 2.5	Pass
				-30	3.8	-48.079	-0.0256	-2.5 to 2.5	Pass
				-20	3.8	-47.979	-0.0255	-2.5 to 2.5	Pass
				-10	3.8	-46.635	-0.0248	-2.5 to 2.5	Pass
				0	3.8	-46.206	-0.0246	-2.5 to 2.5	Pass
				10	3.8	-44.875	-0.0239	-2.5 to 2.5	Pass
				30	3.8	-45.090	-0.0240	-2.5 to 2.5	Pass
				40	3.8	-44.975	-0.0239	-2.5 to 2.5	Pass
				50	3.8	-44.303	-0.0236	-2.5 to 2.5	Pass
	1900	100	0	20	3.5	-17.724	-0.0093	-2.5 to 2.5	Pass

					3.8	-20.027	-0.0105	-2.5 to 2.5	Pass
					4.35	-18.668	-0.0098	-2.5 to 2.5	Pass
				-30	3.8	-18.082	-0.0095	-2.5 to 2.5	Pass
				-20	3.8	-15.650	-0.0082	-2.5 to 2.5	Pass
				-10	3.8	-13.232	-0.0070	-2.5 to 2.5	Pass
				0	3.8	-12.317	-0.0065	-2.5 to 2.5	Pass
				10	3.8	-10.014	-0.0053	-2.5 to 2.5	Pass
				30	3.8	-9.069	-0.0048	-2.5 to 2.5	Pass
				40	3.8	-7.639	-0.0040	-2.5 to 2.5	Pass
				50	3.8	-7.081	-0.0037	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.5	-8.855	-0.0048	-2.5 to 2.5	Pass
					3.8	-7.968	-0.0043	-2.5 to 2.5	Pass
					4.35	-7.510	-0.0040	-2.5 to 2.5	Pass
				-30	3.8	-7.668	-0.0041	-2.5 to 2.5	Pass
				-20	3.8	-9.270	-0.0050	-2.5 to 2.5	Pass
				-10	3.8	-8.698	-0.0047	-2.5 to 2.5	Pass
				0	3.8	-8.125	-0.0044	-2.5 to 2.5	Pass
				10	3.8	-9.241	-0.0050	-2.5 to 2.5	Pass
				30	3.8	-9.713	-0.0052	-2.5 to 2.5	Pass
				40	3.8	-9.027	-0.0049	-2.5 to 2.5	Pass
				50	3.8	-9.885	-0.0053	-2.5 to 2.5	Pass
	1880	100	0	20	3.5	-44.775	-0.0238	-2.5 to 2.5	Pass
					3.8	-45.204	-0.0240	-2.5 to 2.5	Pass
					4.35	-45.204	-0.0240	-2.5 to 2.5	Pass
				-30	3.8	-44.889	-0.0239	-2.5 to 2.5	Pass
				-20	3.8	-46.520	-0.0247	-2.5 to 2.5	Pass
				-10	3.8	-47.379	-0.0252	-2.5 to 2.5	Pass
				0	3.8	-48.909	-0.0260	-2.5 to 2.5	Pass
				10	3.8	-49.753	-0.0265	-2.5 to 2.5	Pass
				30	3.8	-50.368	-0.0268	-2.5 to 2.5	Pass
				40	3.8	-51.456	-0.0274	-2.5 to 2.5	Pass
				50	3.8	-51.069	-0.0272	-2.5 to 2.5	Pass
	1900	100	0	20	3.5	-5.035	-0.0027	-2.5 to 2.5	Pass
					3.8	-3.834	-0.0020	-2.5 to 2.5	Pass
					4.35	-4.463	-0.0023	-2.5 to 2.5	Pass
				-30	3.8	-4.878	-0.0026	-2.5 to 2.5	Pass
				-20	3.8	-4.177	-0.0022	-2.5 to 2.5	Pass
				-10	3.8	-4.148	-0.0022	-2.5 to 2.5	Pass
				0	3.8	-3.762	-0.0020	-2.5 to 2.5	Pass
				10	3.8	-3.834	-0.0020	-2.5 to 2.5	Pass
				30	3.8	-4.578	-0.0024	-2.5 to 2.5	Pass
				40	3.8	-4.978	-0.0026	-2.5 to 2.5	Pass
				50	3.8	-4.864	-0.0026	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.5	3.548	0.0021	-2.5 to 2.5	Pass
					3.8	2.446	0.0014	-2.5 to 2.5	Pass
					4.35	1.259	0.0007	-2.5 to 2.5	Pass
				-30	3.8	3.004	0.0018	-2.5 to 2.5	Pass
				-20	3.8	3.633	0.0021	-2.5 to 2.5	Pass
				-10	3.8	5.479	0.0032	-2.5 to 2.5	Pass
				0	3.8	6.623	0.0039	-2.5 to 2.5	Pass
				10	3.8	8.311	0.0049	-2.5 to 2.5	Pass
				30	3.8	10.414	0.0061	-2.5 to 2.5	Pass
				40	3.8	12.016	0.0070	-2.5 to 2.5	Pass
				50	3.8	14.162	0.0083	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.5	-10.214	-0.0059	-2.5 to 2.5	Pass
					3.8	-15.035	-0.0087	-2.5 to 2.5	Pass
					4.35	-14.205	-0.0082	-2.5 to 2.5	Pass
				-30	3.8	-12.088	-0.0070	-2.5 to 2.5	Pass
				-20	3.8	-10.629	-0.0061	-2.5 to 2.5	Pass
				-10	3.8	-9.170	-0.0053	-2.5 to 2.5	Pass
				0	3.8	-6.037	-0.0035	-2.5 to 2.5	Pass
				10	3.8	-2.589	-0.0015	-2.5 to 2.5	Pass
				30	3.8	-0.787	-0.0005	-2.5 to 2.5	Pass
				40	3.8	2.303	0.0013	-2.5 to 2.5	Pass
				50	3.8	2.832	0.0016	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.5	-2.332	-0.0013	-2.5 to 2.5	Pass
					3.8	-2.046	-0.0012	-2.5 to 2.5	Pass
					4.35	1.602	0.0009	-2.5 to 2.5	Pass
				-30	3.8	4.907	0.0028	-2.5 to 2.5	Pass
				-20	3.8	8.254	0.0047	-2.5 to 2.5	Pass
				-10	3.8	12.274	0.0070	-2.5 to 2.5	Pass
				0	3.8	15.664	0.0089	-2.5 to 2.5	Pass
				10	3.8	17.939	0.0102	-2.5 to 2.5	Pass
				30	3.8	21.415	0.0122	-2.5 to 2.5	Pass
				40	3.8	25.420	0.0145	-2.5 to 2.5	Pass
				50	3.8	29.254	0.0167	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.5	17.552	0.0103	-2.5 to 2.5	Pass
					3.8	20.514	0.0120	-2.5 to 2.5	Pass
					4.35	21.601	0.0126	-2.5 to 2.5	Pass
				-30	3.8	23.489	0.0137	-2.5 to 2.5	Pass
				-20	3.8	24.648	0.0144	-2.5 to 2.5	Pass
				-10	3.8	26.894	0.0157	-2.5 to 2.5	Pass
				0	3.8	27.852	0.0163	-2.5 to 2.5	Pass
				10	3.8	29.311	0.0171	-2.5 to 2.5	Pass
				30	3.8	30.470	0.0178	-2.5 to 2.5	Pass
				40	3.8	31.900	0.0186	-2.5 to 2.5	Pass
				50	3.8	32.387	0.0189	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.5	6.580	0.0038	-2.5 to 2.5	Pass
					3.8	8.883	0.0051	-2.5 to 2.5	Pass
					4.35	11.058	0.0064	-2.5 to 2.5	Pass
				-30	3.8	13.003	0.0075	-2.5 to 2.5	Pass
				-20	3.8	14.691	0.0085	-2.5 to 2.5	Pass

				-10	3.8	15.135	0.0087	-2.5 to 2.5	Pass
				0	3.8	16.751	0.0097	-2.5 to 2.5	Pass
				10	3.8	17.710	0.0102	-2.5 to 2.5	Pass
				30	3.8	18.868	0.0109	-2.5 to 2.5	Pass
				40	3.8	19.813	0.0114	-2.5 to 2.5	Pass
				50	3.8	21.658	0.0125	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.5	33.674	0.0192	-2.5 to 2.5	Pass
					3.8	37.837	0.0216	-2.5 to 2.5	Pass
					4.35	40.369	0.0230	-2.5 to 2.5	Pass
				-30	3.8	42.501	0.0242	-2.5 to 2.5	Pass
				-20	3.8	-4.578	-0.0026	-2.5 to 2.5	Pass
				-10	3.8	-2.232	-0.0013	-2.5 to 2.5	Pass
				0	3.8	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.8	1.159	0.0007	-2.5 to 2.5	Pass
				30	3.8	2.933	0.0017	-2.5 to 2.5	Pass
				40	3.8	5.307	0.0030	-2.5 to 2.5	Pass
				50	3.8	7.653	0.0044	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.5	-40.340	-0.0236	-2.5 to 2.5	Pass
					3.8	-43.187	-0.0252	-2.5 to 2.5	Pass
					4.35	-42.214	-0.0247	-2.5 to 2.5	Pass
				-30	3.8	-41.213	-0.0241	-2.5 to 2.5	Pass
				-20	3.8	-40.054	-0.0234	-2.5 to 2.5	Pass
				-10	3.8	-38.638	-0.0226	-2.5 to 2.5	Pass
				0	3.8	-36.235	-0.0212	-2.5 to 2.5	Pass
				10	3.8	-35.691	-0.0209	-2.5 to 2.5	Pass
				30	3.8	-33.731	-0.0197	-2.5 to 2.5	Pass
				40	3.8	-31.629	-0.0185	-2.5 to 2.5	Pass
				50	3.8	-31.271	-0.0183	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.5	-19.240	-0.0111	-2.5 to 2.5	Pass
					3.8	-20.971	-0.0121	-2.5 to 2.5	Pass
					4.35	-21.129	-0.0122	-2.5 to 2.5	Pass
				-30	3.8	-21.443	-0.0124	-2.5 to 2.5	Pass
				-20	3.8	-22.030	-0.0127	-2.5 to 2.5	Pass
				-10	3.8	-21.358	-0.0123	-2.5 to 2.5	Pass
				0	3.8	-21.329	-0.0123	-2.5 to 2.5	Pass
				10	3.8	-21.014	-0.0121	-2.5 to 2.5	Pass
				30	3.8	-21.243	-0.0123	-2.5 to 2.5	Pass
				40	3.8	-21.858	-0.0126	-2.5 to 2.5	Pass
				50	3.8	-21.157	-0.0122	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.5	1.931	0.0011	-2.5 to 2.5	Pass
					3.8	-0.629	-0.0004	-2.5 to 2.5	Pass
					4.35	-0.544	-0.0003	-2.5 to 2.5	Pass
				-30	3.8	-0.415	-0.0002	-2.5 to 2.5	Pass
				-20	3.8	1.101	0.0006	-2.5 to 2.5	Pass
				-10	3.8	3.805	0.0022	-2.5 to 2.5	Pass
				0	3.8	6.309	0.0036	-2.5 to 2.5	Pass
				10	3.8	8.211	0.0047	-2.5 to 2.5	Pass
				30	3.8	10.557	0.0060	-2.5 to 2.5	Pass
				40	3.8	12.388	0.0071	-2.5 to 2.5	Pass

				50	3.8	13.804	0.0079	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.5	-29.397	-0.0172	-2.5 to 2.5	Pass
					3.8	-28.238	-0.0165	-2.5 to 2.5	Pass
					4.35	-27.208	-0.0159	-2.5 to 2.5	Pass
				-30	3.8	-27.208	-0.0159	-2.5 to 2.5	Pass
				-20	3.8	-26.522	-0.0155	-2.5 to 2.5	Pass
				-10	3.8	-26.064	-0.0152	-2.5 to 2.5	Pass
				0	3.8	-25.392	-0.0148	-2.5 to 2.5	Pass
				10	3.8	-25.191	-0.0147	-2.5 to 2.5	Pass
				30	3.8	-24.290	-0.0142	-2.5 to 2.5	Pass
				40	3.8	-24.104	-0.0141	-2.5 to 2.5	Pass
				50	3.8	-23.732	-0.0139	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.5	-20.757	-0.0120	-2.5 to 2.5	Pass
					3.8	-20.714	-0.0120	-2.5 to 2.5	Pass
					4.35	-21.172	-0.0122	-2.5 to 2.5	Pass
				-30	3.8	-20.957	-0.0121	-2.5 to 2.5	Pass
				-20	3.8	-20.628	-0.0119	-2.5 to 2.5	Pass
				-10	3.8	-21.400	-0.0124	-2.5 to 2.5	Pass
				0	3.8	-21.086	-0.0122	-2.5 to 2.5	Pass
				10	3.8	-21.815	-0.0126	-2.5 to 2.5	Pass
				30	3.8	-21.429	-0.0124	-2.5 to 2.5	Pass
				40	3.8	-21.043	-0.0121	-2.5 to 2.5	Pass
				50	3.8	-21.172	-0.0122	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.5	15.922	0.0091	-2.5 to 2.5	Pass
					3.8	17.881	0.0102	-2.5 to 2.5	Pass
					4.35	20.471	0.0117	-2.5 to 2.5	Pass
				-30	3.8	22.445	0.0128	-2.5 to 2.5	Pass
				-20	3.8	23.847	0.0136	-2.5 to 2.5	Pass
				-10	3.8	25.592	0.0146	-2.5 to 2.5	Pass
				0	3.8	27.137	0.0155	-2.5 to 2.5	Pass
				10	3.8	28.167	0.0161	-2.5 to 2.5	Pass
				30	3.8	28.839	0.0164	-2.5 to 2.5	Pass
				40	3.8	30.112	0.0172	-2.5 to 2.5	Pass
				50	3.8	31.028	0.0177	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.5	-2.747	-0.0016	-2.5 to 2.5	Pass
					3.8	-5.865	-0.0034	-2.5 to 2.5	Pass
					4.35	-5.221	-0.0030	-2.5 to 2.5	Pass
				-30	3.8	-3.948	-0.0023	-2.5 to 2.5	Pass
				-20	3.8	-3.133	-0.0018	-2.5 to 2.5	Pass
				-10	3.8	-1.931	-0.0011	-2.5 to 2.5	Pass
				0	3.8	0.186	0.0001	-2.5 to 2.5	Pass
				10	3.8	0.844	0.0005	-2.5 to 2.5	Pass
				30	3.8	2.160	0.0013	-2.5 to 2.5	Pass
				40	3.8	3.176	0.0019	-2.5 to 2.5	Pass
				50	3.8	5.307	0.0031	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.5	-21.029	-0.0121	-2.5 to 2.5	Pass
					3.8	-21.944	-0.0127	-2.5 to 2.5	Pass
					4.35	-21.987	-0.0127	-2.5 to 2.5	Pass
				-30	3.8	-21.758	-0.0126	-2.5 to 2.5	Pass

				-20	3.8	-21.787	-0.0126	-2.5 to 2.5	Pass
				-10	3.8	-21.458	-0.0124	-2.5 to 2.5	Pass
				0	3.8	-21.701	-0.0125	-2.5 to 2.5	Pass
				10	3.8	-21.429	-0.0124	-2.5 to 2.5	Pass
				30	3.8	-21.186	-0.0122	-2.5 to 2.5	Pass
				40	3.8	-21.586	-0.0125	-2.5 to 2.5	Pass
				50	3.8	-21.973	-0.0127	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.5	-41.857	-0.0239	-2.5 to 2.5	Pass
					3.8	-44.518	-0.0254	-2.5 to 2.5	Pass
					4.35	-44.088	-0.0252	-2.5 to 2.5	Pass
				-30	3.8	-42.329	-0.0242	-2.5 to 2.5	Pass
				-20	3.8	-41.027	-0.0234	-2.5 to 2.5	Pass
				-10	3.8	-39.382	-0.0225	-2.5 to 2.5	Pass
				0	3.8	-36.821	-0.0210	-2.5 to 2.5	Pass
				10	3.8	-35.219	-0.0201	-2.5 to 2.5	Pass
				30	3.8	-32.930	-0.0188	-2.5 to 2.5	Pass
				40	3.8	-31.099	-0.0177	-2.5 to 2.5	Pass
				50	3.8	-29.483	-0.0168	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.5	6.666	0.0039	-2.5 to 2.5	Pass
					3.8	8.554	0.0050	-2.5 to 2.5	Pass
					4.35	9.370	0.0055	-2.5 to 2.5	Pass
				-30	3.8	10.128	0.0059	-2.5 to 2.5	Pass
				-20	3.8	11.172	0.0065	-2.5 to 2.5	Pass
				-10	3.8	12.674	0.0074	-2.5 to 2.5	Pass
				0	3.8	13.475	0.0079	-2.5 to 2.5	Pass
				10	3.8	13.590	0.0079	-2.5 to 2.5	Pass
				30	3.8	13.976	0.0082	-2.5 to 2.5	Pass
				40	3.8	14.648	0.0086	-2.5 to 2.5	Pass
				50	3.8	15.378	0.0090	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.5	-21.572	-0.0125	-2.5 to 2.5	Pass
					3.8	-21.572	-0.0125	-2.5 to 2.5	Pass
					4.35	-22.016	-0.0127	-2.5 to 2.5	Pass
				-30	3.8	-22.373	-0.0129	-2.5 to 2.5	Pass
				-20	3.8	-22.645	-0.0131	-2.5 to 2.5	Pass
				-10	3.8	-22.945	-0.0132	-2.5 to 2.5	Pass
				0	3.8	-22.960	-0.0133	-2.5 to 2.5	Pass
				10	3.8	-22.888	-0.0132	-2.5 to 2.5	Pass
				30	3.8	-23.189	-0.0134	-2.5 to 2.5	Pass
				40	3.8	-23.146	-0.0134	-2.5 to 2.5	Pass
				50	3.8	-23.203	-0.0134	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.5	-27.409	-0.0156	-2.5 to 2.5	Pass
					3.8	-25.334	-0.0145	-2.5 to 2.5	Pass
					4.35	-22.273	-0.0127	-2.5 to 2.5	Pass
				-30	3.8	-20.714	-0.0118	-2.5 to 2.5	Pass
				-20	3.8	-19.169	-0.0109	-2.5 to 2.5	Pass
				-10	3.8	-17.781	-0.0101	-2.5 to 2.5	Pass
				0	3.8	-16.680	-0.0095	-2.5 to 2.5	Pass
				10	3.8	-15.349	-0.0088	-2.5 to 2.5	Pass
				30	3.8	-14.706	-0.0084	-2.5 to 2.5	Pass
				40	3.8	-14.119	-0.0081	-2.5 to 2.5	Pass
				50	3.8	-12.603	-0.0072	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.5	-35.591	-0.0208	-2.5 to 2.5	Pass
					3.8	-37.923	-0.0221	-2.5 to 2.5	Pass
					4.35	-36.378	-0.0212	-2.5 to 2.5	Pass
				-30	3.8	-35.276	-0.0206	-2.5 to 2.5	Pass
				-20	3.8	-33.846	-0.0197	-2.5 to 2.5	Pass
				-10	3.8	-31.943	-0.0186	-2.5 to 2.5	Pass
				0	3.8	-29.826	-0.0174	-2.5 to 2.5	Pass
				10	3.8	-28.582	-0.0167	-2.5 to 2.5	Pass
				30	3.8	-27.151	-0.0158	-2.5 to 2.5	Pass
				40	3.8	-23.103	-0.0135	-2.5 to 2.5	Pass
				50	3.8	-20.742	-0.0121	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.5	-4.520	-0.0026	-2.5 to 2.5	Pass
					3.8	-5.836	-0.0034	-2.5 to 2.5	Pass
					4.35	-6.537	-0.0038	-2.5 to 2.5	Pass
				-30	3.8	-6.237	-0.0036	-2.5 to 2.5	Pass
				-20	3.8	-6.208	-0.0036	-2.5 to 2.5	Pass
				-10	3.8	-6.394	-0.0037	-2.5 to 2.5	Pass
				0	3.8	-6.495	-0.0037	-2.5 to 2.5	Pass
				10	3.8	-7.296	-0.0042	-2.5 to 2.5	Pass
				30	3.8	-7.567	-0.0044	-2.5 to 2.5	Pass
				40	3.8	-8.483	-0.0049	-2.5 to 2.5	Pass
				50	3.8	-8.454	-0.0049	-2.5 to 2.5	Pass
	1750	50	0	20	3.5	-10.958	-0.0063	-2.5 to 2.5	Pass
					3.8	-12.546	-0.0072	-2.5 to 2.5	Pass
					4.35	-12.331	-0.0070	-2.5 to 2.5	Pass
				-30	3.8	-11.301	-0.0065	-2.5 to 2.5	Pass
				-20	3.8	-11.616	-0.0066	-2.5 to 2.5	Pass
				-10	3.8	-10.500	-0.0060	-2.5 to 2.5	Pass
				0	3.8	-10.943	-0.0063	-2.5 to 2.5	Pass
				10	3.8	-10.300	-0.0059	-2.5 to 2.5	Pass
				30	3.8	-9.298	-0.0053	-2.5 to 2.5	Pass
				40	3.8	-8.268	-0.0047	-2.5 to 2.5	Pass
				50	3.8	-8.054	-0.0046	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.5	-18.439	-0.0108	-2.5 to 2.5	Pass
					3.8	-16.551	-0.0097	-2.5 to 2.5	Pass
					4.35	-14.563	-0.0085	-2.5 to 2.5	Pass
				-30	3.8	-14.005	-0.0082	-2.5 to 2.5	Pass
				-20	3.8	-13.433	-0.0078	-2.5 to 2.5	Pass
				-10	3.8	-12.302	-0.0072	-2.5 to 2.5	Pass
				0	3.8	-11.959	-0.0070	-2.5 to 2.5	Pass
				10	3.8	-11.816	-0.0069	-2.5 to 2.5	Pass
				30	3.8	-10.271	-0.0060	-2.5 to 2.5	Pass
				40	3.8	-9.971	-0.0058	-2.5 to 2.5	Pass
				50	3.8	-10.214	-0.0060	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.5	-8.383	-0.0048	-2.5 to 2.5	Pass
					3.8	-8.354	-0.0048	-2.5 to 2.5	Pass
					4.35	-9.098	-0.0053	-2.5 to 2.5	Pass
				-30	3.8	-10.028	-0.0058	-2.5 to 2.5	Pass
				-20	3.8	-9.170	-0.0053	-2.5 to 2.5	Pass
				-10	3.8	-10.586	-0.0061	-2.5 to 2.5	Pass
				0	3.8	-9.928	-0.0057	-2.5 to 2.5	Pass
				10	3.8	-11.258	-0.0065	-2.5 to 2.5	Pass
				30	3.8	-11.630	-0.0067	-2.5 to 2.5	Pass
				40	3.8	-11.244	-0.0065	-2.5 to 2.5	Pass
				50	3.8	-11.387	-0.0066	-2.5 to 2.5	Pass
	1750	50	0	20	3.5	-6.952	-0.0040	-2.5 to 2.5	Pass
					3.8	-5.665	-0.0032	-2.5 to 2.5	Pass

					4.35	-5.937	-0.0034	-2.5 to 2.5	Pass
				-30	3.8	-5.937	-0.0034	-2.5 to 2.5	Pass
				-20	3.8	-6.123	-0.0035	-2.5 to 2.5	Pass
				-10	3.8	-6.065	-0.0035	-2.5 to 2.5	Pass
				0	3.8	-6.366	-0.0036	-2.5 to 2.5	Pass
				10	3.8	-5.922	-0.0034	-2.5 to 2.5	Pass
				30	3.8	-5.450	-0.0031	-2.5 to 2.5	Pass
				40	3.8	-5.679	-0.0032	-2.5 to 2.5	Pass
				50	3.8	-4.635	-0.0026	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.5	-25.578	-0.0149	-2.5 to 2.5	Pass
					3.8	-28.167	-0.0164	-2.5 to 2.5	Pass
					4.35	-27.523	-0.0160	-2.5 to 2.5	Pass
				-30	3.8	-26.608	-0.0155	-2.5 to 2.5	Pass
				-20	3.8	-26.064	-0.0152	-2.5 to 2.5	Pass
				-10	3.8	-22.960	-0.0134	-2.5 to 2.5	Pass
				0	3.8	-19.627	-0.0114	-2.5 to 2.5	Pass
				10	3.8	-18.525	-0.0108	-2.5 to 2.5	Pass
				30	3.8	-16.665	-0.0097	-2.5 to 2.5	Pass
				40	3.8	-14.720	-0.0086	-2.5 to 2.5	Pass
				50	3.8	-14.005	-0.0082	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.5	-24.233	-0.0140	-2.5 to 2.5	Pass
					3.8	-25.320	-0.0146	-2.5 to 2.5	Pass
					4.35	-25.563	-0.0148	-2.5 to 2.5	Pass
				-30	3.8	-26.135	-0.0151	-2.5 to 2.5	Pass
				-20	3.8	-27.237	-0.0157	-2.5 to 2.5	Pass
				-10	3.8	-27.423	-0.0158	-2.5 to 2.5	Pass
				0	3.8	-28.009	-0.0162	-2.5 to 2.5	Pass
				10	3.8	-28.825	-0.0166	-2.5 to 2.5	Pass
				30	3.8	-29.640	-0.0171	-2.5 to 2.5	Pass
				40	3.8	-30.341	-0.0175	-2.5 to 2.5	Pass
				50	3.8	-29.769	-0.0172	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.5	-11.086	-0.0063	-2.5 to 2.5	Pass
					3.8	-10.929	-0.0063	-2.5 to 2.5	Pass
					4.35	-9.613	-0.0055	-2.5 to 2.5	Pass
				-30	3.8	-7.482	-0.0043	-2.5 to 2.5	Pass
				-20	3.8	-4.406	-0.0025	-2.5 to 2.5	Pass
				-10	3.8	-2.289	-0.0013	-2.5 to 2.5	Pass
				0	3.8	0.272	0.0002	-2.5 to 2.5	Pass
				10	3.8	2.689	0.0015	-2.5 to 2.5	Pass
				30	3.8	6.523	0.0037	-2.5 to 2.5	Pass
				40	3.8	9.055	0.0052	-2.5 to 2.5	Pass
				50	3.8	11.044	0.0063	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.5	-11.773	-0.0069	-2.5 to 2.5	Pass
					3.8	-10.600	-0.0062	-2.5 to 2.5	Pass
					4.35	-9.556	-0.0056	-2.5 to 2.5	Pass
				-30	3.8	-9.270	-0.0054	-2.5 to 2.5	Pass
				-20	3.8	-8.297	-0.0048	-2.5 to 2.5	Pass
				-10	3.8	-8.426	-0.0049	-2.5 to 2.5	Pass
				0	3.8	-7.696	-0.0045	-2.5 to 2.5	Pass

				10	3.8	-7.696	-0.0045	-2.5 to 2.5	Pass
				30	3.8	-6.852	-0.0040	-2.5 to 2.5	Pass
				40	3.8	-7.010	-0.0041	-2.5 to 2.5	Pass
				50	3.8	-5.436	-0.0032	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.5	-29.283	-0.0169	-2.5 to 2.5	Pass
					3.8	-29.697	-0.0171	-2.5 to 2.5	Pass
					4.35	-30.169	-0.0174	-2.5 to 2.5	Pass
				-30	3.8	-31.185	-0.0180	-2.5 to 2.5	Pass
				-20	3.8	-32.158	-0.0186	-2.5 to 2.5	Pass
				-10	3.8	-31.142	-0.0180	-2.5 to 2.5	Pass
				0	3.8	-31.886	-0.0184	-2.5 to 2.5	Pass
				10	3.8	-33.588	-0.0194	-2.5 to 2.5	Pass
				30	3.8	-32.973	-0.0190	-2.5 to 2.5	Pass
				40	3.8	-33.031	-0.0191	-2.5 to 2.5	Pass
				50	3.8	-33.188	-0.0192	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.5	13.175	0.0075	-2.5 to 2.5	Pass
					3.8	14.462	0.0083	-2.5 to 2.5	Pass
					4.35	15.879	0.0091	-2.5 to 2.5	Pass
				-30	3.8	15.736	0.0090	-2.5 to 2.5	Pass
				-20	3.8	16.294	0.0093	-2.5 to 2.5	Pass
				-10	3.8	17.953	0.0103	-2.5 to 2.5	Pass
				0	3.8	19.755	0.0113	-2.5 to 2.5	Pass
				10	3.8	20.299	0.0116	-2.5 to 2.5	Pass
				30	3.8	21.272	0.0122	-2.5 to 2.5	Pass
				40	3.8	21.672	0.0124	-2.5 to 2.5	Pass
				50	3.8	22.774	0.0130	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.5	-6.680	-0.0039	-2.5 to 2.5	Pass
					3.8	-7.825	-0.0045	-2.5 to 2.5	Pass
					4.35	-6.366	-0.0037	-2.5 to 2.5	Pass
				-30	3.8	-3.991	-0.0023	-2.5 to 2.5	Pass
				-20	3.8	-2.089	-0.0012	-2.5 to 2.5	Pass
				-10	3.8	1.588	0.0009	-2.5 to 2.5	Pass
				0	3.8	3.862	0.0022	-2.5 to 2.5	Pass
				10	3.8	6.466	0.0038	-2.5 to 2.5	Pass
				30	3.8	8.912	0.0052	-2.5 to 2.5	Pass
				40	3.8	9.513	0.0055	-2.5 to 2.5	Pass
				50	3.8	10.271	0.0060	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.5	-4.163	-0.0024	-2.5 to 2.5	Pass
					3.8	-5.536	-0.0032	-2.5 to 2.5	Pass
					4.35	-6.409	-0.0037	-2.5 to 2.5	Pass
				-30	3.8	-6.824	-0.0039	-2.5 to 2.5	Pass
				-20	3.8	-7.567	-0.0044	-2.5 to 2.5	Pass
				-10	3.8	-7.253	-0.0042	-2.5 to 2.5	Pass
				0	3.8	-7.167	-0.0041	-2.5 to 2.5	Pass
				10	3.8	-7.181	-0.0041	-2.5 to 2.5	Pass
				30	3.8	-7.310	-0.0042	-2.5 to 2.5	Pass
				40	3.8	-7.296	-0.0042	-2.5 to 2.5	Pass
				50	3.8	-7.639	-0.0044	-2.5 to 2.5	Pass
	1745	100	0	20	3.5	-36.092	-0.0207	-2.5 to 2.5	Pass

					3.8	-36.850	-0.0211	-2.5 to 2.5	Pass
					4.35	-36.278	-0.0208	-2.5 to 2.5	Pass
				-30	3.8	-35.362	-0.0203	-2.5 to 2.5	Pass
				-20	3.8	-35.448	-0.0203	-2.5 to 2.5	Pass
				-10	3.8	-34.747	-0.0199	-2.5 to 2.5	Pass
				0	3.8	-34.275	-0.0196	-2.5 to 2.5	Pass
				10	3.8	-34.003	-0.0195	-2.5 to 2.5	Pass
				30	3.8	-34.146	-0.0196	-2.5 to 2.5	Pass
				40	3.8	-34.375	-0.0197	-2.5 to 2.5	Pass
				50	3.8	-34.332	-0.0197	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.5	12.088	0.0070	-2.5 to 2.5	Pass
					3.8	12.560	0.0073	-2.5 to 2.5	Pass
					4.35	12.374	0.0072	-2.5 to 2.5	Pass
				-30	3.8	12.059	0.0070	-2.5 to 2.5	Pass
				-20	3.8	12.445	0.0072	-2.5 to 2.5	Pass
				-10	3.8	12.002	0.0070	-2.5 to 2.5	Pass
				0	3.8	12.174	0.0071	-2.5 to 2.5	Pass
				10	3.8	12.331	0.0072	-2.5 to 2.5	Pass
				30	3.8	11.830	0.0069	-2.5 to 2.5	Pass
				40	3.8	11.902	0.0069	-2.5 to 2.5	Pass
				50	3.8	11.673	0.0068	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.5	-7.939	-0.0046	-2.5 to 2.5	Pass
					3.8	-7.768	-0.0045	-2.5 to 2.5	Pass
					4.35	-7.753	-0.0045	-2.5 to 2.5	Pass
				-30	3.8	-8.698	-0.0050	-2.5 to 2.5	Pass
				-20	3.8	-7.582	-0.0044	-2.5 to 2.5	Pass
				-10	3.8	-8.311	-0.0048	-2.5 to 2.5	Pass
				0	3.8	-9.284	-0.0054	-2.5 to 2.5	Pass
				10	3.8	-9.112	-0.0053	-2.5 to 2.5	Pass
				30	3.8	-8.397	-0.0048	-2.5 to 2.5	Pass
				40	3.8	-8.769	-0.0051	-2.5 to 2.5	Pass
				50	3.8	-7.968	-0.0046	-2.5 to 2.5	Pass
	1745	100	0	20	3.5	-34.490	-0.0198	-2.5 to 2.5	Pass
					3.8	-34.361	-0.0197	-2.5 to 2.5	Pass
					4.35	-35.877	-0.0206	-2.5 to 2.5	Pass
				-30	3.8	-37.193	-0.0213	-2.5 to 2.5	Pass
				-20	3.8	-39.024	-0.0224	-2.5 to 2.5	Pass
				-10	3.8	-40.126	-0.0230	-2.5 to 2.5	Pass
				0	3.8	-40.998	-0.0235	-2.5 to 2.5	Pass
				10	3.8	-42.329	-0.0243	-2.5 to 2.5	Pass
				30	3.8	-43.516	-0.0249	-2.5 to 2.5	Pass
				40	3.8	-44.718	-0.0256	-2.5 to 2.5	Pass
				50	3.8	-45.376	-0.0260	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 B7_5MHz

3.1.1 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	3.5	2.189	0.0009	-2.5 to 2.5	Pass
					3.8	2.947	0.0012	-2.5 to 2.5	Pass
					4.35	6.938	0.0028	-2.5 to 2.5	Pass
				-30	3.8	12.031	0.0048	-2.5 to 2.5	Pass
				-20	3.8	16.294	0.0065	-2.5 to 2.5	Pass
				-10	3.8	21.915	0.0088	-2.5 to 2.5	Pass
				0	3.8	26.593	0.0106	-2.5 to 2.5	Pass
				10	3.8	32.859	0.0131	-2.5 to 2.5	Pass
				30	3.8	37.909	0.0151	-2.5 to 2.5	Pass
				40	3.8	42.944	0.0172	-2.5 to 2.5	Pass
				50	3.8	47.951	0.0192	-2.5 to 2.5	Pass
	2535	25	0	20	3.5	-42.257	-0.0167	-2.5 to 2.5	Pass
					3.8	-42.701	-0.0168	-2.5 to 2.5	Pass
					4.35	-42.014	-0.0166	-2.5 to 2.5	Pass
				-30	3.8	-41.213	-0.0163	-2.5 to 2.5	Pass
				-20	3.8	-39.310	-0.0155	-2.5 to 2.5	Pass
				-10	3.8	-39.024	-0.0154	-2.5 to 2.5	Pass
				0	3.8	-38.152	-0.0151	-2.5 to 2.5	Pass
				10	3.8	-35.663	-0.0141	-2.5 to 2.5	Pass
				30	3.8	-33.431	-0.0132	-2.5 to 2.5	Pass
				40	3.8	-31.400	-0.0124	-2.5 to 2.5	Pass
				50	3.8	-29.898	-0.0118	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.5	-7.110	-0.0028	-2.5 to 2.5	Pass
					3.8	-8.612	-0.0034	-2.5 to 2.5	Pass
					4.35	-11.015	-0.0043	-2.5 to 2.5	Pass
				-30	3.8	-9.813	-0.0038	-2.5 to 2.5	Pass
				-20	3.8	-9.027	-0.0035	-2.5 to 2.5	Pass
				-10	3.8	-8.111	-0.0032	-2.5 to 2.5	Pass
				0	3.8	-6.738	-0.0026	-2.5 to 2.5	Pass
				10	3.8	-5.021	-0.0020	-2.5 to 2.5	Pass
				30	3.8	-3.376	-0.0013	-2.5 to 2.5	Pass
				40	3.8	-2.360	-0.0009	-2.5 to 2.5	Pass
				50	3.8	-0.758	-0.0003	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.5	52.915	0.0211	-2.5 to 2.5	Pass
					3.8	-4.735	-0.0019	-2.5 to 2.5	Pass
					4.35	0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.8	4.277	0.0017	-2.5 to 2.5	Pass
				-20	3.8	6.223	0.0025	-2.5 to 2.5	Pass
				-10	3.8	8.383	0.0033	-2.5 to 2.5	Pass
				0	3.8	11.659	0.0047	-2.5 to 2.5	Pass
				10	3.8	14.133	0.0056	-2.5 to 2.5	Pass
				30	3.8	16.580	0.0066	-2.5 to 2.5	Pass
				40	3.8	18.997	0.0076	-2.5 to 2.5	Pass
				50	3.8	20.328	0.0081	-2.5 to 2.5	Pass
	2535	25	0	20	3.5	-29.039	-0.0115	-2.5 to 2.5	Pass
					3.8	-27.852	-0.0110	-2.5 to 2.5	Pass
					4.35	-28.310	-0.0112	-2.5 to 2.5	Pass
				-30	3.8	-27.065	-0.0107	-2.5 to 2.5	Pass
				-20	3.8	-26.050	-0.0103	-2.5 to 2.5	Pass

				-10	3.8	-26.836	-0.0106	-2.5 to 2.5	Pass
				0	3.8	-26.307	-0.0104	-2.5 to 2.5	Pass
				10	3.8	-27.552	-0.0109	-2.5 to 2.5	Pass
				30	3.8	-26.665	-0.0105	-2.5 to 2.5	Pass
				40	3.8	-26.593	-0.0105	-2.5 to 2.5	Pass
				50	3.8	-26.307	-0.0104	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.5	1.087	0.0004	-2.5 to 2.5	Pass
					3.8	2.818	0.0011	-2.5 to 2.5	Pass
					4.35	4.263	0.0017	-2.5 to 2.5	Pass
				-30	3.8	5.736	0.0022	-2.5 to 2.5	Pass
				-20	3.8	6.824	0.0027	-2.5 to 2.5	Pass
				-10	3.8	7.067	0.0028	-2.5 to 2.5	Pass
				0	3.8	8.168	0.0032	-2.5 to 2.5	Pass
				10	3.8	8.540	0.0033	-2.5 to 2.5	Pass
				30	3.8	9.742	0.0038	-2.5 to 2.5	Pass
				40	3.8	10.343	0.0040	-2.5 to 2.5	Pass
				50	3.8	10.428	0.0041	-2.5 to 2.5	Pass

3.2 B7_10MHz

3.2.1 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	3.5	-18.368	-0.0073	-2.5 to 2.5	Pass
					3.8	-26.007	-0.0104	-2.5 to 2.5	Pass
					4.35	-29.898	-0.0119	-2.5 to 2.5	Pass
				-30	3.8	-29.025	-0.0116	-2.5 to 2.5	Pass
				-20	3.8	-28.667	-0.0114	-2.5 to 2.5	Pass
				-10	3.8	-28.224	-0.0113	-2.5 to 2.5	Pass
				0	3.8	-27.995	-0.0112	-2.5 to 2.5	Pass
				10	3.8	-26.264	-0.0105	-2.5 to 2.5	Pass
				30	3.8	-25.206	-0.0101	-2.5 to 2.5	Pass
				40	3.8	-25.606	-0.0102	-2.5 to 2.5	Pass
				50	3.8	-24.376	-0.0097	-2.5 to 2.5	Pass
	2535	50	0	20	3.5	3.376	0.0013	-2.5 to 2.5	Pass
					3.8	2.632	0.0010	-2.5 to 2.5	Pass
					4.35	0.343	0.0001	-2.5 to 2.5	Pass
				-30	3.8	1.316	0.0005	-2.5 to 2.5	Pass
				-20	3.8	2.818	0.0011	-2.5 to 2.5	Pass
				-10	3.8	4.206	0.0017	-2.5 to 2.5	Pass
				0	3.8	6.194	0.0024	-2.5 to 2.5	Pass
				10	3.8	7.224	0.0028	-2.5 to 2.5	Pass
				30	3.8	8.898	0.0035	-2.5 to 2.5	Pass
				40	3.8	9.398	0.0037	-2.5 to 2.5	Pass
				50	3.8	11.244	0.0044	-2.5 to 2.5	Pass
	2565	50	0	20	3.5	-39.668	-0.0155	-2.5 to 2.5	Pass
					3.8	-43.187	-0.0168	-2.5 to 2.5	Pass
					4.35	-43.988	-0.0171	-2.5 to 2.5	Pass
				-30	3.8	-41.056	-0.0160	-2.5 to 2.5	Pass
				-20	3.8	-38.624	-0.0151	-2.5 to 2.5	Pass
				-10	3.8	-36.249	-0.0141	-2.5 to 2.5	Pass
				0	3.8	-33.674	-0.0131	-2.5 to 2.5	Pass
				10	3.8	-33.288	-0.0130	-2.5 to 2.5	Pass
				30	3.8	-31.886	-0.0124	-2.5 to 2.5	Pass
				40	3.8	-29.998	-0.0117	-2.5 to 2.5	Pass

				50	3.8	-28.811	-0.0112	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.5	-22.902	-0.0091	-2.5 to 2.5	Pass
					3.8	-21.830	-0.0087	-2.5 to 2.5	Pass
					4.35	-22.130	-0.0088	-2.5 to 2.5	Pass
				-30	3.8	-21.930	-0.0088	-2.5 to 2.5	Pass
				-20	3.8	-21.400	-0.0085	-2.5 to 2.5	Pass
				-10	3.8	-21.229	-0.0085	-2.5 to 2.5	Pass
				0	3.8	-21.429	-0.0086	-2.5 to 2.5	Pass
				10	3.8	-22.345	-0.0089	-2.5 to 2.5	Pass
				30	3.8	-21.014	-0.0084	-2.5 to 2.5	Pass
				40	3.8	-21.930	-0.0088	-2.5 to 2.5	Pass
				50	3.8	-21.887	-0.0087	-2.5 to 2.5	Pass
	2535	50	0	20	3.5	12.302	0.0049	-2.5 to 2.5	Pass
					3.8	13.776	0.0054	-2.5 to 2.5	Pass
					4.35	14.477	0.0057	-2.5 to 2.5	Pass
				-30	3.8	13.633	0.0054	-2.5 to 2.5	Pass
				-20	3.8	14.148	0.0056	-2.5 to 2.5	Pass
				-10	3.8	14.319	0.0056	-2.5 to 2.5	Pass
				0	3.8	14.777	0.0058	-2.5 to 2.5	Pass
				10	3.8	15.292	0.0060	-2.5 to 2.5	Pass
				30	3.8	14.462	0.0057	-2.5 to 2.5	Pass
				40	3.8	15.092	0.0060	-2.5 to 2.5	Pass
				50	3.8	14.834	0.0059	-2.5 to 2.5	Pass
	2565	50	0	20	3.5	-26.822	-0.0105	-2.5 to 2.5	Pass
					3.8	-24.061	-0.0094	-2.5 to 2.5	Pass
					4.35	-23.675	-0.0092	-2.5 to 2.5	Pass
				-30	3.8	-23.003	-0.0090	-2.5 to 2.5	Pass
				-20	3.8	-23.103	-0.0090	-2.5 to 2.5	Pass
				-10	3.8	-21.930	-0.0085	-2.5 to 2.5	Pass
				0	3.8	-23.289	-0.0091	-2.5 to 2.5	Pass
				10	3.8	-21.873	-0.0085	-2.5 to 2.5	Pass
				30	3.8	-21.486	-0.0084	-2.5 to 2.5	Pass
				40	3.8	-21.200	-0.0083	-2.5 to 2.5	Pass
				50	3.8	-20.986	-0.0082	-2.5 to 2.5	Pass

3.3 B7_15MHz

3.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.5	-25.921	-0.0103	-2.5 to 2.5	Pass
					3.8	-32.830	-0.0131	-2.5 to 2.5	Pass
					4.35	-35.176	-0.0140	-2.5 to 2.5	Pass
				-30	3.8	-36.550	-0.0146	-2.5 to 2.5	Pass
				-20	3.8	-36.049	-0.0144	-2.5 to 2.5	Pass
				-10	3.8	-36.693	-0.0146	-2.5 to 2.5	Pass
				0	3.8	-35.591	-0.0142	-2.5 to 2.5	Pass
				10	3.8	-35.977	-0.0143	-2.5 to 2.5	Pass
				30	3.8	-34.647	-0.0138	-2.5 to 2.5	Pass
				40	3.8	-33.603	-0.0134	-2.5 to 2.5	Pass
				50	3.8	-31.872	-0.0127	-2.5 to 2.5	Pass
	2535	75	0	20	3.5	7.610	0.0030	-2.5 to 2.5	Pass
					3.8	6.180	0.0024	-2.5 to 2.5	Pass
					4.35	6.008	0.0024	-2.5 to 2.5	Pass
				-30	3.8	5.736	0.0023	-2.5 to 2.5	Pass

				-20	3.8	6.151	0.0024	-2.5 to 2.5	Pass
				-10	3.8	7.710	0.0030	-2.5 to 2.5	Pass
				0	3.8	7.982	0.0031	-2.5 to 2.5	Pass
				10	3.8	9.685	0.0038	-2.5 to 2.5	Pass
				30	3.8	10.042	0.0040	-2.5 to 2.5	Pass
				40	3.8	11.516	0.0045	-2.5 to 2.5	Pass
				50	3.8	12.331	0.0049	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.5	-2.131	-0.0008	-2.5 to 2.5	Pass
					3.8	6.995	0.0027	-2.5 to 2.5	Pass
					4.35	6.652	0.0026	-2.5 to 2.5	Pass
				-30	3.8	7.453	0.0029	-2.5 to 2.5	Pass
				-20	3.8	10.800	0.0042	-2.5 to 2.5	Pass
				-10	3.8	12.860	0.0050	-2.5 to 2.5	Pass
				0	3.8	15.392	0.0060	-2.5 to 2.5	Pass
				10	3.8	16.937	0.0066	-2.5 to 2.5	Pass
				30	3.8	19.312	0.0075	-2.5 to 2.5	Pass
				40	3.8	21.172	0.0083	-2.5 to 2.5	Pass
				50	3.8	22.759	0.0089	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.5	-32.043	-0.0128	-2.5 to 2.5	Pass
					3.8	-31.614	-0.0126	-2.5 to 2.5	Pass
					4.35	-30.713	-0.0122	-2.5 to 2.5	Pass
				-30	3.8	-30.999	-0.0124	-2.5 to 2.5	Pass
				-20	3.8	-31.843	-0.0127	-2.5 to 2.5	Pass
				-10	3.8	-33.231	-0.0133	-2.5 to 2.5	Pass
				0	3.8	-32.773	-0.0131	-2.5 to 2.5	Pass
				10	3.8	-32.473	-0.0130	-2.5 to 2.5	Pass
				30	3.8	-31.142	-0.0124	-2.5 to 2.5	Pass
				40	3.8	-30.971	-0.0124	-2.5 to 2.5	Pass
				50	3.8	-31.228	-0.0125	-2.5 to 2.5	Pass
	2535	75	0	20	3.5	13.547	0.0053	-2.5 to 2.5	Pass
					3.8	15.421	0.0061	-2.5 to 2.5	Pass
					4.35	15.378	0.0061	-2.5 to 2.5	Pass
				-30	3.8	15.020	0.0059	-2.5 to 2.5	Pass
				-20	3.8	16.065	0.0063	-2.5 to 2.5	Pass
				-10	3.8	15.764	0.0062	-2.5 to 2.5	Pass
				0	3.8	14.505	0.0057	-2.5 to 2.5	Pass
				10	3.8	13.576	0.0054	-2.5 to 2.5	Pass
				30	3.8	12.631	0.0050	-2.5 to 2.5	Pass
				40	3.8	11.702	0.0046	-2.5 to 2.5	Pass
				50	3.8	10.514	0.0041	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.5	25.220	0.0098	-2.5 to 2.5	Pass
					3.8	28.582	0.0112	-2.5 to 2.5	Pass
					4.35	29.140	0.0114	-2.5 to 2.5	Pass
				-30	3.8	28.968	0.0113	-2.5 to 2.5	Pass
				-20	3.8	29.798	0.0116	-2.5 to 2.5	Pass
				-10	3.8	29.941	0.0117	-2.5 to 2.5	Pass
				0	3.8	29.683	0.0116	-2.5 to 2.5	Pass
				10	3.8	29.197	0.0114	-2.5 to 2.5	Pass
				30	3.8	30.785	0.0120	-2.5 to 2.5	Pass
				40	3.8	30.899	0.0121	-2.5 to 2.5	Pass
				50	3.8	29.969	0.0117	-2.5 to 2.5	Pass

3.4 B7_20MHz

3.4.1 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	3.5	-40.383	-0.0161	-2.5 to 2.5	Pass
					3.8	-49.753	-0.0198	-2.5 to 2.5	Pass
					4.35	-14.648	-0.0058	-2.5 to 2.5	Pass
				-30	3.8	-12.903	-0.0051	-2.5 to 2.5	Pass
				-20	3.8	-10.571	-0.0042	-2.5 to 2.5	Pass
				-10	3.8	-7.753	-0.0031	-2.5 to 2.5	Pass
				0	3.8	-4.277	-0.0017	-2.5 to 2.5	Pass
				10	3.8	0.114	0.0000	-2.5 to 2.5	Pass
				30	3.8	1.101	0.0004	-2.5 to 2.5	Pass
				40	3.8	7.768	0.0031	-2.5 to 2.5	Pass
				50	3.8	13.118	0.0052	-2.5 to 2.5	Pass
	2535	100	0	20	3.5	-35.849	-0.0141	-2.5 to 2.5	Pass
					3.8	-37.165	-0.0147	-2.5 to 2.5	Pass
					4.35	-37.909	-0.0150	-2.5 to 2.5	Pass
				-30	3.8	-37.122	-0.0146	-2.5 to 2.5	Pass
				-20	3.8	-36.378	-0.0144	-2.5 to 2.5	Pass
				-10	3.8	-34.375	-0.0136	-2.5 to 2.5	Pass
				0	3.8	-33.445	-0.0132	-2.5 to 2.5	Pass
				10	3.8	-32.730	-0.0129	-2.5 to 2.5	Pass
				30	3.8	-30.913	-0.0122	-2.5 to 2.5	Pass
				40	3.8	-29.898	-0.0118	-2.5 to 2.5	Pass
				50	3.8	-27.995	-0.0110	-2.5 to 2.5	Pass
	2560	100	0	20	3.5	-17.281	-0.0068	-2.5 to 2.5	Pass
					3.8	-17.824	-0.0070	-2.5 to 2.5	Pass
					4.35	-16.966	-0.0066	-2.5 to 2.5	Pass
				-30	3.8	-13.061	-0.0051	-2.5 to 2.5	Pass
				-20	3.8	-10.486	-0.0041	-2.5 to 2.5	Pass
				-10	3.8	-7.396	-0.0029	-2.5 to 2.5	Pass
				0	3.8	-4.306	-0.0017	-2.5 to 2.5	Pass
				10	3.8	-1.087	-0.0004	-2.5 to 2.5	Pass
				30	3.8	0.587	0.0002	-2.5 to 2.5	Pass
				40	3.8	3.662	0.0014	-2.5 to 2.5	Pass
				50	3.8	6.108	0.0024	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.5	17.123	0.0068	-2.5 to 2.5	Pass
					3.8	19.913	0.0079	-2.5 to 2.5	Pass
					4.35	20.957	0.0083	-2.5 to 2.5	Pass
				-30	3.8	23.561	0.0094	-2.5 to 2.5	Pass
				-20	3.8	25.463	0.0101	-2.5 to 2.5	Pass
				-10	3.8	26.279	0.0105	-2.5 to 2.5	Pass
				0	3.8	27.008	0.0108	-2.5 to 2.5	Pass
				10	3.8	28.496	0.0114	-2.5 to 2.5	Pass
				30	3.8	28.024	0.0112	-2.5 to 2.5	Pass
				40	3.8	30.599	0.0122	-2.5 to 2.5	Pass
				50	3.8	30.713	0.0122	-2.5 to 2.5	Pass
	2535	100	0	20	3.5	-26.422	-0.0104	-2.5 to 2.5	Pass
					3.8	-25.020	-0.0099	-2.5 to 2.5	Pass
					4.35	-24.061	-0.0095	-2.5 to 2.5	Pass
				-30	3.8	-24.161	-0.0095	-2.5 to 2.5	Pass
				-20	3.8	-24.476	-0.0097	-2.5 to 2.5	Pass
				-10	3.8	-24.076	-0.0095	-2.5 to 2.5	Pass
				0	3.8	-24.991	-0.0099	-2.5 to 2.5	Pass
				10	3.8	-23.546	-0.0093	-2.5 to 2.5	Pass
				30	3.8	-22.745	-0.0090	-2.5 to 2.5	Pass
				40	3.8	-22.817	-0.0090	-2.5 to 2.5	Pass
				50	3.8	-21.515	-0.0085	-2.5 to 2.5	Pass
	2560	100	0	20	3.5	7.296	0.0029	-2.5 to 2.5	Pass
					3.8	12.016	0.0047	-2.5 to 2.5	Pass

					4.35	14.334	0.0056	-2.5 to 2.5	Pass
				-30	3.8	14.591	0.0057	-2.5 to 2.5	Pass
				-20	3.8	15.807	0.0062	-2.5 to 2.5	Pass
				-10	3.8	16.823	0.0066	-2.5 to 2.5	Pass
				0	3.8	17.810	0.0070	-2.5 to 2.5	Pass
				10	3.8	18.282	0.0071	-2.5 to 2.5	Pass
				30	3.8	18.868	0.0074	-2.5 to 2.5	Pass
				40	3.8	19.026	0.0074	-2.5 to 2.5	Pass
				50	3.8	20.571	0.0080	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B12_1.4MHz

4.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.5	0.515	0.0007	-2.5 to 2.5	Pass
					3.8	-0.300	-0.0004	-2.5 to 2.5	Pass
					4.35	0.944	0.0013	-2.5 to 2.5	Pass
				-30	3.8	2.275	0.0033	-2.5 to 2.5	Pass
				-20	3.8	3.834	0.0055	-2.5 to 2.5	Pass
				-10	3.8	5.050	0.0072	-2.5 to 2.5	Pass
				0	3.8	6.938	0.0099	-2.5 to 2.5	Pass
				10	3.8	8.440	0.0121	-2.5 to 2.5	Pass
				30	3.8	9.742	0.0139	-2.5 to 2.5	Pass
				40	3.8	11.415	0.0163	-2.5 to 2.5	Pass
				50	3.8	12.846	0.0184	-2.5 to 2.5	Pass
	707.5	6	0	20	3.5	-36.135	-0.0511	-2.5 to 2.5	Pass
					3.8	-37.150	-0.0525	-2.5 to 2.5	Pass
					4.35	-37.065	-0.0524	-2.5 to 2.5	Pass
				-30	3.8	-36.950	-0.0522	-2.5 to 2.5	Pass
				-20	3.8	-36.592	-0.0517	-2.5 to 2.5	Pass
				-10	3.8	-35.977	-0.0509	-2.5 to 2.5	Pass
				0	3.8	-35.677	-0.0504	-2.5 to 2.5	Pass
				10	3.8	-35.362	-0.0500	-2.5 to 2.5	Pass
				30	3.8	-35.133	-0.0497	-2.5 to 2.5	Pass
				40	3.8	-34.704	-0.0491	-2.5 to 2.5	Pass
				50	3.8	-34.590	-0.0489	-2.5 to 2.5	Pass
	715.3	6	0	20	3.5	-3.390	-0.0047	-2.5 to 2.5	Pass
					3.8	-4.106	-0.0057	-2.5 to 2.5	Pass
					4.35	-2.961	-0.0041	-2.5 to 2.5	Pass
				-30	3.8	-1.531	-0.0021	-2.5 to 2.5	Pass
				-20	3.8	0.057	0.0001	-2.5 to 2.5	Pass
				-10	3.8	1.330	0.0019	-2.5 to 2.5	Pass
				0	3.8	3.018	0.0042	-2.5 to 2.5	Pass
				10	3.8	4.535	0.0063	-2.5 to 2.5	Pass
				30	3.8	6.108	0.0085	-2.5 to 2.5	Pass
				40	3.8	7.253	0.0101	-2.5 to 2.5	Pass
				50	3.8	8.769	0.0123	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.5	14.577	0.0208	-2.5 to 2.5	Pass
					3.8	16.093	0.0230	-2.5 to 2.5	Pass
					4.35	17.281	0.0247	-2.5 to 2.5	Pass
				-30	3.8	18.196	0.0260	-2.5 to 2.5	Pass

				-20	3.8	19.398	0.0277	-2.5 to 2.5	Pass
				-10	3.8	20.428	0.0292	-2.5 to 2.5	Pass
				0	3.8	21.300	0.0304	-2.5 to 2.5	Pass
				10	3.8	21.744	0.0311	-2.5 to 2.5	Pass
				30	3.8	22.416	0.0320	-2.5 to 2.5	Pass
				40	3.8	23.274	0.0333	-2.5 to 2.5	Pass
				50	3.8	23.875	0.0341	-2.5 to 2.5	Pass
	707.5	6	0	20	3.5	-34.218	-0.0484	-2.5 to 2.5	Pass
					3.8	-33.703	-0.0476	-2.5 to 2.5	Pass
					4.35	-33.603	-0.0475	-2.5 to 2.5	Pass
				-30	3.8	-33.259	-0.0470	-2.5 to 2.5	Pass
				-20	3.8	-32.973	-0.0466	-2.5 to 2.5	Pass
				-10	3.8	-32.787	-0.0463	-2.5 to 2.5	Pass
				0	3.8	-32.258	-0.0456	-2.5 to 2.5	Pass
				10	3.8	-32.301	-0.0457	-2.5 to 2.5	Pass
				30	3.8	-32.229	-0.0456	-2.5 to 2.5	Pass
				40	3.8	-32.372	-0.0458	-2.5 to 2.5	Pass
				50	3.8	-32.101	-0.0454	-2.5 to 2.5	Pass
	715.3	6	0	20	3.5	10.343	0.0145	-2.5 to 2.5	Pass
					3.8	12.217	0.0171	-2.5 to 2.5	Pass
					4.35	13.905	0.0194	-2.5 to 2.5	Pass
				-30	3.8	15.049	0.0210	-2.5 to 2.5	Pass
				-20	3.8	16.108	0.0225	-2.5 to 2.5	Pass
				-10	3.8	17.281	0.0242	-2.5 to 2.5	Pass
				0	3.8	17.810	0.0249	-2.5 to 2.5	Pass
				10	3.8	18.840	0.0263	-2.5 to 2.5	Pass
				30	3.8	19.498	0.0273	-2.5 to 2.5	Pass
				40	3.8	20.556	0.0287	-2.5 to 2.5	Pass
				50	3.8	21.214	0.0297	-2.5 to 2.5	Pass

4.2 B12_3MHz

4.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.5	-7.281	-0.0104	-2.5 to 2.5	Pass
					3.8	-7.582	-0.0108	-2.5 to 2.5	Pass
					4.35	-6.623	-0.0095	-2.5 to 2.5	Pass
				-30	3.8	-5.178	-0.0074	-2.5 to 2.5	Pass
				-20	3.8	-4.821	-0.0069	-2.5 to 2.5	Pass
				-10	3.8	-3.805	-0.0054	-2.5 to 2.5	Pass
				0	3.8	-2.289	-0.0033	-2.5 to 2.5	Pass
				10	3.8	-1.159	-0.0017	-2.5 to 2.5	Pass
				30	3.8	0.157	0.0002	-2.5 to 2.5	Pass
				40	3.8	1.273	0.0018	-2.5 to 2.5	Pass
				50	3.8	2.446	0.0035	-2.5 to 2.5	Pass
	707.5	15	0	20	3.5	-0.958	-0.0014	-2.5 to 2.5	Pass
					3.8	-3.190	-0.0045	-2.5 to 2.5	Pass
					4.35	-3.033	-0.0043	-2.5 to 2.5	Pass
				-30	3.8	-2.489	-0.0035	-2.5 to 2.5	Pass
				-20	3.8	-1.760	-0.0025	-2.5 to 2.5	Pass
				-10	3.8	-1.402	-0.0020	-2.5 to 2.5	Pass
				0	3.8	-0.443	-0.0006	-2.5 to 2.5	Pass
				10	3.8	0.858	0.0012	-2.5 to 2.5	Pass
				30	3.8	1.545	0.0022	-2.5 to 2.5	Pass

				40	3.8	2.489	0.0035	-2.5 to 2.5	Pass
				50	3.8	3.605	0.0051	-2.5 to 2.5	Pass
	714.5	15	0	20	3.5	-7.982	-0.0112	-2.5 to 2.5	Pass
					3.8	-8.469	-0.0119	-2.5 to 2.5	Pass
					4.35	-7.854	-0.0110	-2.5 to 2.5	Pass
				-30	3.8	-7.124	-0.0100	-2.5 to 2.5	Pass
				-20	3.8	-6.967	-0.0098	-2.5 to 2.5	Pass
				-10	3.8	-6.795	-0.0095	-2.5 to 2.5	Pass
				0	3.8	-5.751	-0.0080	-2.5 to 2.5	Pass
				10	3.8	-5.665	-0.0079	-2.5 to 2.5	Pass
				30	3.8	-4.277	-0.0060	-2.5 to 2.5	Pass
				40	3.8	-4.177	-0.0058	-2.5 to 2.5	Pass
				50	3.8	-3.576	-0.0050	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.5	3.533	0.0050	-2.5 to 2.5	Pass
					3.8	4.663	0.0067	-2.5 to 2.5	Pass
					4.35	5.736	0.0082	-2.5 to 2.5	Pass
				-30	3.8	7.038	0.0100	-2.5 to 2.5	Pass
				-20	3.8	7.424	0.0106	-2.5 to 2.5	Pass
				-10	3.8	8.554	0.0122	-2.5 to 2.5	Pass
				0	3.8	9.055	0.0129	-2.5 to 2.5	Pass
				10	3.8	9.999	0.0143	-2.5 to 2.5	Pass
				30	3.8	10.414	0.0149	-2.5 to 2.5	Pass
				40	3.8	11.172	0.0159	-2.5 to 2.5	Pass
				50	3.8	11.230	0.0160	-2.5 to 2.5	Pass
	707.5	15	0	20	3.5	5.164	0.0073	-2.5 to 2.5	Pass
					3.8	6.037	0.0085	-2.5 to 2.5	Pass
					4.35	6.995	0.0099	-2.5 to 2.5	Pass
				-30	3.8	8.254	0.0117	-2.5 to 2.5	Pass
				-20	3.8	9.127	0.0129	-2.5 to 2.5	Pass
				-10	3.8	9.770	0.0138	-2.5 to 2.5	Pass
				0	3.8	10.529	0.0149	-2.5 to 2.5	Pass
				10	3.8	10.872	0.0154	-2.5 to 2.5	Pass
				30	3.8	11.630	0.0164	-2.5 to 2.5	Pass
				40	3.8	11.916	0.0168	-2.5 to 2.5	Pass
				50	3.8	12.288	0.0174	-2.5 to 2.5	Pass
	714.5	15	0	20	3.5	-1.802	-0.0025	-2.5 to 2.5	Pass
					3.8	-1.187	-0.0017	-2.5 to 2.5	Pass
					4.35	-0.944	-0.0013	-2.5 to 2.5	Pass
				-30	3.8	-0.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.8	0.114	0.0002	-2.5 to 2.5	Pass
				-10	3.8	0.615	0.0009	-2.5 to 2.5	Pass
				0	3.8	0.515	0.0007	-2.5 to 2.5	Pass
				10	3.8	0.672	0.0009	-2.5 to 2.5	Pass
				30	3.8	1.373	0.0019	-2.5 to 2.5	Pass
				40	3.8	1.359	0.0019	-2.5 to 2.5	Pass
				50	3.8	1.588	0.0022	-2.5 to 2.5	Pass

4.3 B12_5MHz

4.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.5	-8.955	-0.0128	-2.5 to 2.5	Pass
					3.8	-10.085	-0.0144	-2.5 to 2.5	Pass
					4.35	-10.271	-0.0146	-2.5 to 2.5	Pass

				-30	3.8	-10.014	-0.0143	-2.5 to 2.5	Pass
				-20	3.8	-10.085	-0.0144	-2.5 to 2.5	Pass
				-10	3.8	-10.386	-0.0148	-2.5 to 2.5	Pass
				0	3.8	-10.042	-0.0143	-2.5 to 2.5	Pass
				10	3.8	-9.842	-0.0140	-2.5 to 2.5	Pass
				30	3.8	-9.141	-0.0130	-2.5 to 2.5	Pass
				40	3.8	-9.685	-0.0138	-2.5 to 2.5	Pass
				50	3.8	-9.212	-0.0131	-2.5 to 2.5	Pass
	707.5	25	0	20	3.5	-15.521	-0.0219	-2.5 to 2.5	Pass
					3.8	-16.265	-0.0230	-2.5 to 2.5	Pass
					4.35	-16.208	-0.0229	-2.5 to 2.5	Pass
				-30	3.8	-16.036	-0.0227	-2.5 to 2.5	Pass
				-20	3.8	-15.893	-0.0225	-2.5 to 2.5	Pass
				-10	3.8	-15.779	-0.0223	-2.5 to 2.5	Pass
				0	3.8	-15.750	-0.0223	-2.5 to 2.5	Pass
				10	3.8	-15.349	-0.0217	-2.5 to 2.5	Pass
				30	3.8	-15.306	-0.0216	-2.5 to 2.5	Pass
				40	3.8	-14.834	-0.0210	-2.5 to 2.5	Pass
				50	3.8	-14.777	-0.0209	-2.5 to 2.5	Pass
	713.5	25	0	20	3.5	-25.592	-0.0359	-2.5 to 2.5	Pass
					3.8	-26.536	-0.0372	-2.5 to 2.5	Pass
					4.35	-26.751	-0.0375	-2.5 to 2.5	Pass
				-30	3.8	-26.693	-0.0374	-2.5 to 2.5	Pass
				-20	3.8	-26.064	-0.0365	-2.5 to 2.5	Pass
				-10	3.8	-25.620	-0.0359	-2.5 to 2.5	Pass
				0	3.8	-24.605	-0.0345	-2.5 to 2.5	Pass
				10	3.8	-23.675	-0.0332	-2.5 to 2.5	Pass
				30	3.8	-23.146	-0.0324	-2.5 to 2.5	Pass
				40	3.8	-22.058	-0.0309	-2.5 to 2.5	Pass
				50	3.8	-21.014	-0.0295	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.5	-8.426	-0.0120	-2.5 to 2.5	Pass
					3.8	-8.068	-0.0115	-2.5 to 2.5	Pass
					4.35	-7.296	-0.0104	-2.5 to 2.5	Pass
				-30	3.8	-7.210	-0.0103	-2.5 to 2.5	Pass
				-20	3.8	-6.766	-0.0096	-2.5 to 2.5	Pass
				-10	3.8	-6.495	-0.0093	-2.5 to 2.5	Pass
				0	3.8	-5.951	-0.0085	-2.5 to 2.5	Pass
				10	3.8	-6.022	-0.0086	-2.5 to 2.5	Pass
				30	3.8	-5.522	-0.0079	-2.5 to 2.5	Pass
				40	3.8	-5.507	-0.0079	-2.5 to 2.5	Pass
				50	3.8	-4.964	-0.0071	-2.5 to 2.5	Pass
	707.5	25	0	20	3.5	-14.749	-0.0208	-2.5 to 2.5	Pass
					3.8	-14.434	-0.0204	-2.5 to 2.5	Pass
					4.35	-13.947	-0.0197	-2.5 to 2.5	Pass
				-30	3.8	-13.862	-0.0196	-2.5 to 2.5	Pass
				-20	3.8	-13.790	-0.0195	-2.5 to 2.5	Pass
				-10	3.8	-14.005	-0.0198	-2.5 to 2.5	Pass
				0	3.8	-13.504	-0.0191	-2.5 to 2.5	Pass
				10	3.8	-13.690	-0.0193	-2.5 to 2.5	Pass
				30	3.8	-13.247	-0.0187	-2.5 to 2.5	Pass
				40	3.8	-13.361	-0.0189	-2.5 to 2.5	Pass
				50	3.8	-13.332	-0.0188	-2.5 to 2.5	Pass
	713.5	25	0	20	3.5	-20.385	-0.0286	-2.5 to 2.5	Pass
					3.8	-19.498	-0.0273	-2.5 to 2.5	Pass
					4.35	-18.682	-0.0262	-2.5 to 2.5	Pass
				-30	3.8	-17.381	-0.0244	-2.5 to 2.5	Pass
				-20	3.8	-17.066	-0.0239	-2.5 to 2.5	Pass
				-10	3.8	-16.394	-0.0230	-2.5 to 2.5	Pass
				0	3.8	-16.022	-0.0225	-2.5 to 2.5	Pass

				10	3.8	-15.793	-0.0221	-2.5 to 2.5	Pass
				30	3.8	-14.749	-0.0207	-2.5 to 2.5	Pass
				40	3.8	-14.563	-0.0204	-2.5 to 2.5	Pass
				50	3.8	-14.048	-0.0197	-2.5 to 2.5	Pass

4.4 B12_10MHz

4.4.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.5	-3.362	-0.0048	-2.5 to 2.5	Pass
					3.8	-2.975	-0.0042	-2.5 to 2.5	Pass
					4.35	-2.360	-0.0034	-2.5 to 2.5	Pass
				-30	3.8	-0.401	-0.0006	-2.5 to 2.5	Pass
				-20	3.8	1.001	0.0014	-2.5 to 2.5	Pass
				-10	3.8	2.732	0.0039	-2.5 to 2.5	Pass
				0	3.8	4.163	0.0059	-2.5 to 2.5	Pass
				10	3.8	5.550	0.0079	-2.5 to 2.5	Pass
				30	3.8	7.353	0.0104	-2.5 to 2.5	Pass
				40	3.8	9.055	0.0129	-2.5 to 2.5	Pass
				50	3.8	10.514	0.0149	-2.5 to 2.5	Pass
	707.5	50	0	20	3.5	-9.799	-0.0139	-2.5 to 2.5	Pass
					3.8	-9.885	-0.0140	-2.5 to 2.5	Pass
					4.35	-8.154	-0.0115	-2.5 to 2.5	Pass
				-30	3.8	-6.151	-0.0087	-2.5 to 2.5	Pass
				-20	3.8	-4.478	-0.0063	-2.5 to 2.5	Pass
				-10	3.8	-2.246	-0.0032	-2.5 to 2.5	Pass
				0	3.8	-0.801	-0.0011	-2.5 to 2.5	Pass
				10	3.8	-0.229	-0.0003	-2.5 to 2.5	Pass
				30	3.8	1.373	0.0019	-2.5 to 2.5	Pass
				40	3.8	3.419	0.0048	-2.5 to 2.5	Pass
				50	3.8	6.080	0.0086	-2.5 to 2.5	Pass
	711	50	0	20	3.5	-2.060	-0.0029	-2.5 to 2.5	Pass
					3.8	-2.403	-0.0034	-2.5 to 2.5	Pass
					4.35	-2.232	-0.0031	-2.5 to 2.5	Pass
				-30	3.8	-1.516	-0.0021	-2.5 to 2.5	Pass
				-20	3.8	-1.416	-0.0020	-2.5 to 2.5	Pass
				-10	3.8	-1.001	-0.0014	-2.5 to 2.5	Pass
				0	3.8	-0.973	-0.0014	-2.5 to 2.5	Pass
				10	3.8	-0.429	-0.0006	-2.5 to 2.5	Pass
				30	3.8	0.057	0.0001	-2.5 to 2.5	Pass
				40	3.8	0.386	0.0005	-2.5 to 2.5	Pass
				50	3.8	0.257	0.0004	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.5	11.859	0.0168	-2.5 to 2.5	Pass
					3.8	13.676	0.0194	-2.5 to 2.5	Pass
					4.35	14.520	0.0206	-2.5 to 2.5	Pass
				-30	3.8	14.505	0.0206	-2.5 to 2.5	Pass
				-20	3.8	15.221	0.0216	-2.5 to 2.5	Pass
				-10	3.8	16.179	0.0230	-2.5 to 2.5	Pass
				0	3.8	16.665	0.0237	-2.5 to 2.5	Pass
				10	3.8	16.694	0.0237	-2.5 to 2.5	Pass
				30	3.8	17.252	0.0245	-2.5 to 2.5	Pass
				40	3.8	17.538	0.0249	-2.5 to 2.5	Pass
				50	3.8	17.467	0.0248	-2.5 to 2.5	Pass
	707.5	50	0	20	3.5	7.381	0.0104	-2.5 to 2.5	Pass

					3.8	8.583	0.0121	-2.5 to 2.5	Pass
					4.35	9.327	0.0132	-2.5 to 2.5	Pass
				-30	3.8	10.142	0.0143	-2.5 to 2.5	Pass
				-20	3.8	10.972	0.0155	-2.5 to 2.5	Pass
				-10	3.8	11.415	0.0161	-2.5 to 2.5	Pass
				0	3.8	11.544	0.0163	-2.5 to 2.5	Pass
				10	3.8	12.546	0.0177	-2.5 to 2.5	Pass
				30	3.8	12.903	0.0182	-2.5 to 2.5	Pass
				40	3.8	13.161	0.0186	-2.5 to 2.5	Pass
				50	3.8	13.561	0.0192	-2.5 to 2.5	Pass
	711	50	0	20	3.5	0.215	0.0003	-2.5 to 2.5	Pass
					3.8	0.172	0.0002	-2.5 to 2.5	Pass
					4.35	0.744	0.0010	-2.5 to 2.5	Pass
				-30	3.8	1.087	0.0015	-2.5 to 2.5	Pass
				-20	3.8	0.086	0.0001	-2.5 to 2.5	Pass
				-10	3.8	0.558	0.0008	-2.5 to 2.5	Pass
				0	3.8	0.358	0.0005	-2.5 to 2.5	Pass
				10	3.8	0.257	0.0004	-2.5 to 2.5	Pass
				30	3.8	0.057	0.0001	-2.5 to 2.5	Pass
				40	3.8	0.329	0.0005	-2.5 to 2.5	Pass
				50	3.8	0.801	0.0011	-2.5 to 2.5	Pass

5. Frequency Stability

5.1 B13_5MHz

5.1.1 Test Result

Band: 13 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	779.5	25	0	20	3.5	-27.938	-0.0358	-2.5 to 2.5	Pass
					3.8	-27.437	-0.0352	-2.5 to 2.5	Pass
					4.35	-26.364	-0.0338	-2.5 to 2.5	Pass
				-30	3.8	-25.892	-0.0332	-2.5 to 2.5	Pass
				-20	3.8	-24.290	-0.0312	-2.5 to 2.5	Pass
				-10	3.8	-23.375	-0.0300	-2.5 to 2.5	Pass
				0	3.8	-22.802	-0.0293	-2.5 to 2.5	Pass
				10	3.8	-21.429	-0.0275	-2.5 to 2.5	Pass
				30	3.8	-20.499	-0.0263	-2.5 to 2.5	Pass
				40	3.8	-19.197	-0.0246	-2.5 to 2.5	Pass
				50	3.8	-18.110	-0.0232	-2.5 to 2.5	Pass
	782	25	0	20	3.5	-1.702	-0.0022	-2.5 to 2.5	Pass
					3.8	-2.332	-0.0030	-2.5 to 2.5	Pass
					4.35	-2.460	-0.0031	-2.5 to 2.5	Pass
				-30	3.8	-2.003	-0.0026	-2.5 to 2.5	Pass
				-20	3.8	-2.360	-0.0030	-2.5 to 2.5	Pass
				-10	3.8	-2.089	-0.0027	-2.5 to 2.5	Pass
				0	3.8	-1.588	-0.0020	-2.5 to 2.5	Pass
				10	3.8	-1.631	-0.0021	-2.5 to 2.5	Pass
				30	3.8	-1.631	-0.0021	-2.5 to 2.5	Pass
				40	3.8	-1.259	-0.0016	-2.5 to 2.5	Pass
				50	3.8	-1.001	-0.0013	-2.5 to 2.5	Pass
	784.5	25	0	20	3.5	-13.604	-0.0173	-2.5 to 2.5	Pass
					3.8	-14.219	-0.0181	-2.5 to 2.5	Pass
					4.35	-13.890	-0.0177	-2.5 to 2.5	Pass

				-30	3.8	-13.690	-0.0175	-2.5 to 2.5	Pass
				-20	3.8	-13.905	-0.0177	-2.5 to 2.5	Pass
				-10	3.8	-12.732	-0.0162	-2.5 to 2.5	Pass
				0	3.8	-12.174	-0.0155	-2.5 to 2.5	Pass
				10	3.8	-11.773	-0.0150	-2.5 to 2.5	Pass
				30	3.8	-10.571	-0.0135	-2.5 to 2.5	Pass
				40	3.8	-9.542	-0.0122	-2.5 to 2.5	Pass
				50	3.8	-8.540	-0.0109	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.5	-16.665	-0.0214	-2.5 to 2.5	Pass
					3.8	-15.421	-0.0198	-2.5 to 2.5	Pass
					4.35	-14.448	-0.0185	-2.5 to 2.5	Pass
				-30	3.8	-13.733	-0.0176	-2.5 to 2.5	Pass
				-20	3.8	-12.603	-0.0162	-2.5 to 2.5	Pass
				-10	3.8	-11.759	-0.0151	-2.5 to 2.5	Pass
				0	3.8	-10.443	-0.0134	-2.5 to 2.5	Pass
				10	3.8	-10.099	-0.0130	-2.5 to 2.5	Pass
				30	3.8	-9.570	-0.0123	-2.5 to 2.5	Pass
				40	3.8	-8.926	-0.0115	-2.5 to 2.5	Pass
				50	3.8	-8.082	-0.0104	-2.5 to 2.5	Pass
	782	25	0	20	3.5	-0.801	-0.0010	-2.5 to 2.5	Pass
					3.8	-0.587	-0.0008	-2.5 to 2.5	Pass
					4.35	-0.515	-0.0007	-2.5 to 2.5	Pass
				-30	3.8	-0.715	-0.0009	-2.5 to 2.5	Pass
				-20	3.8	-0.315	-0.0004	-2.5 to 2.5	Pass
				-10	3.8	-0.186	-0.0002	-2.5 to 2.5	Pass
				0	3.8	-0.486	-0.0006	-2.5 to 2.5	Pass
				10	3.8	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	3.8	0.257	0.0003	-2.5 to 2.5	Pass
				40	3.8	0.458	0.0006	-2.5 to 2.5	Pass
				50	3.8	0.014	0.0000	-2.5 to 2.5	Pass
	784.5	25	0	20	3.5	-8.039	-0.0102	-2.5 to 2.5	Pass
					3.8	-7.296	-0.0093	-2.5 to 2.5	Pass
					4.35	-6.351	-0.0081	-2.5 to 2.5	Pass
				-30	3.8	-5.651	-0.0072	-2.5 to 2.5	Pass
				-20	3.8	-4.606	-0.0059	-2.5 to 2.5	Pass
				-10	3.8	-4.449	-0.0057	-2.5 to 2.5	Pass
				0	3.8	-3.705	-0.0047	-2.5 to 2.5	Pass
				10	3.8	-3.605	-0.0046	-2.5 to 2.5	Pass
				30	3.8	-2.875	-0.0037	-2.5 to 2.5	Pass
				40	3.8	-2.675	-0.0034	-2.5 to 2.5	Pass
				50	3.8	-2.289	-0.0029	-2.5 to 2.5	Pass

5.2 B13_10MHz

5.2.1 Test Result

Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	782	50	0	20	3.5	-6.609	-0.0085	-2.5 to 2.5	Pass
					3.8	-8.111	-0.0104	-2.5 to 2.5	Pass
					4.35	-7.925	-0.0101	-2.5 to 2.5	Pass
				-30	3.8	-7.854	-0.0100	-2.5 to 2.5	Pass
				-20	3.8	-7.682	-0.0098	-2.5 to 2.5	Pass
				-10	3.8	-6.924	-0.0089	-2.5 to 2.5	Pass
				0	3.8	-6.123	-0.0078	-2.5 to 2.5	Pass
				10	3.8	-5.322	-0.0068	-2.5 to 2.5	Pass

				30	3.8	-4.549	-0.0058	-2.5 to 2.5	Pass
				40	3.8	-4.106	-0.0053	-2.5 to 2.5	Pass
				50	3.8	-3.304	-0.0042	-2.5 to 2.5	Pass
	782	50	0	20	3.5	0.200	0.0003	-2.5 to 2.5	Pass
					3.8	0.000	0.0000	-2.5 to 2.5	Pass
					4.35	0.343	0.0004	-2.5 to 2.5	Pass
				-30	3.8	0.715	0.0009	-2.5 to 2.5	Pass
				-20	3.8	1.059	0.0014	-2.5 to 2.5	Pass
				-10	3.8	1.116	0.0014	-2.5 to 2.5	Pass
				0	3.8	0.601	0.0008	-2.5 to 2.5	Pass
				10	3.8	0.758	0.0010	-2.5 to 2.5	Pass
				30	3.8	0.944	0.0012	-2.5 to 2.5	Pass
				40	3.8	1.245	0.0016	-2.5 to 2.5	Pass
				50	3.8	1.330	0.0017	-2.5 to 2.5	Pass
	782	50	0	20	3.5	1.602	0.0020	-2.5 to 2.5	Pass
					3.8	1.445	0.0018	-2.5 to 2.5	Pass
					4.35	1.445	0.0018	-2.5 to 2.5	Pass
				-30	3.8	1.545	0.0020	-2.5 to 2.5	Pass
				-20	3.8	1.459	0.0019	-2.5 to 2.5	Pass
				-10	3.8	1.845	0.0024	-2.5 to 2.5	Pass
				0	3.8	1.845	0.0024	-2.5 to 2.5	Pass
				10	3.8	2.017	0.0026	-2.5 to 2.5	Pass
				30	3.8	2.089	0.0027	-2.5 to 2.5	Pass
				40	3.8	2.575	0.0033	-2.5 to 2.5	Pass
				50	3.8	2.933	0.0038	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.5	-3.018	-0.0039	-2.5 to 2.5	Pass
					3.8	-2.360	-0.0030	-2.5 to 2.5	Pass
					4.35	-2.089	-0.0027	-2.5 to 2.5	Pass
				-30	3.8	-1.373	-0.0018	-2.5 to 2.5	Pass
				-20	3.8	-1.302	-0.0017	-2.5 to 2.5	Pass
				-10	3.8	-1.087	-0.0014	-2.5 to 2.5	Pass
				0	3.8	-1.302	-0.0017	-2.5 to 2.5	Pass
				10	3.8	-1.273	-0.0016	-2.5 to 2.5	Pass
				30	3.8	-0.687	-0.0009	-2.5 to 2.5	Pass
				40	3.8	-0.472	-0.0006	-2.5 to 2.5	Pass
				50	3.8	-0.257	-0.0003	-2.5 to 2.5	Pass
	782	50	0	20	3.5	1.044	0.0013	-2.5 to 2.5	Pass
					3.8	1.459	0.0019	-2.5 to 2.5	Pass
					4.35	1.860	0.0024	-2.5 to 2.5	Pass
				-30	3.8	2.232	0.0029	-2.5 to 2.5	Pass
				-20	3.8	1.874	0.0024	-2.5 to 2.5	Pass
				-10	3.8	1.888	0.0024	-2.5 to 2.5	Pass
				0	3.8	2.060	0.0026	-2.5 to 2.5	Pass
				10	3.8	1.903	0.0024	-2.5 to 2.5	Pass
				30	3.8	1.202	0.0015	-2.5 to 2.5	Pass
				40	3.8	1.259	0.0016	-2.5 to 2.5	Pass
				50	3.8	1.745	0.0022	-2.5 to 2.5	Pass
	782	50	0	20	3.5	3.219	0.0041	-2.5 to 2.5	Pass
					3.8	3.333	0.0043	-2.5 to 2.5	Pass
					4.35	3.390	0.0043	-2.5 to 2.5	Pass
				-30	3.8	3.676	0.0047	-2.5 to 2.5	Pass
				-20	3.8	3.448	0.0044	-2.5 to 2.5	Pass
				-10	3.8	3.419	0.0044	-2.5 to 2.5	Pass
				0	3.8	3.777	0.0048	-2.5 to 2.5	Pass
				10	3.8	3.605	0.0046	-2.5 to 2.5	Pass
				30	3.8	3.090	0.0040	-2.5 to 2.5	Pass
				40	3.8	3.505	0.0045	-2.5 to 2.5	Pass
				50	3.8	3.176	0.0041	-2.5 to 2.5	Pass

6. Frequency Stability

6.1 B17_5MHz

6.1.1 Test Result

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.5	-11.930	-0.0169	-2.5 to 2.5	Pass
					3.8	-12.631	-0.0179	-2.5 to 2.5	Pass
					4.35	-11.745	-0.0166	-2.5 to 2.5	Pass
				-30	3.8	-11.086	-0.0157	-2.5 to 2.5	Pass
				-20	3.8	-10.328	-0.0146	-2.5 to 2.5	Pass
				-10	3.8	-9.542	-0.0135	-2.5 to 2.5	Pass
				0	3.8	-8.569	-0.0121	-2.5 to 2.5	Pass
				10	3.8	-7.324	-0.0104	-2.5 to 2.5	Pass
				30	3.8	-6.337	-0.0090	-2.5 to 2.5	Pass
				40	3.8	-5.536	-0.0078	-2.5 to 2.5	Pass
				50	3.8	-4.320	-0.0061	-2.5 to 2.5	Pass
	710	25	0	20	3.5	-17.452	-0.0246	-2.5 to 2.5	Pass
					3.8	-17.681	-0.0249	-2.5 to 2.5	Pass
					4.35	-17.452	-0.0246	-2.5 to 2.5	Pass
				-30	3.8	-17.066	-0.0240	-2.5 to 2.5	Pass
				-20	3.8	-16.894	-0.0238	-2.5 to 2.5	Pass
				-10	3.8	-16.537	-0.0233	-2.5 to 2.5	Pass
				0	3.8	-16.193	-0.0228	-2.5 to 2.5	Pass
				10	3.8	-15.678	-0.0221	-2.5 to 2.5	Pass
				30	3.8	-15.221	-0.0214	-2.5 to 2.5	Pass
				40	3.8	-15.063	-0.0212	-2.5 to 2.5	Pass
				50	3.8	-14.963	-0.0211	-2.5 to 2.5	Pass
	713.5	25	0	20	3.5	-6.180	-0.0087	-2.5 to 2.5	Pass
					3.8	-7.639	-0.0107	-2.5 to 2.5	Pass
					4.35	-7.138	-0.0100	-2.5 to 2.5	Pass
				-30	3.8	-7.067	-0.0099	-2.5 to 2.5	Pass
				-20	3.8	-6.437	-0.0090	-2.5 to 2.5	Pass
				-10	3.8	-5.708	-0.0080	-2.5 to 2.5	Pass
				0	3.8	-4.663	-0.0065	-2.5 to 2.5	Pass
				10	3.8	-3.619	-0.0051	-2.5 to 2.5	Pass
				30	3.8	-2.933	-0.0041	-2.5 to 2.5	Pass
				40	3.8	-1.917	-0.0027	-2.5 to 2.5	Pass
				50	3.8	-1.087	-0.0015	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.5	-3.190	-0.0045	-2.5 to 2.5	Pass
					3.8	-2.260	-0.0032	-2.5 to 2.5	Pass
					4.35	-0.658	-0.0009	-2.5 to 2.5	Pass
				-30	3.8	-0.057	-0.0001	-2.5 to 2.5	Pass
				-20	3.8	1.416	0.0020	-2.5 to 2.5	Pass
				-10	3.8	1.645	0.0023	-2.5 to 2.5	Pass
				0	3.8	2.861	0.0040	-2.5 to 2.5	Pass
				10	3.8	3.619	0.0051	-2.5 to 2.5	Pass
				30	3.8	4.835	0.0068	-2.5 to 2.5	Pass
				40	3.8	4.992	0.0071	-2.5 to 2.5	Pass
				50	3.8	5.794	0.0082	-2.5 to 2.5	Pass
	710	25	0	20	3.5	-14.291	-0.0201	-2.5 to 2.5	Pass
					3.8	-13.747	-0.0194	-2.5 to 2.5	Pass
					4.35	-13.833	-0.0195	-2.5 to 2.5	Pass
				-30	3.8	-13.576	-0.0191	-2.5 to 2.5	Pass
				-20	3.8	-13.475	-0.0190	-2.5 to 2.5	Pass

				-10	3.8	-13.189	-0.0186	-2.5 to 2.5	Pass
				0	3.8	-12.774	-0.0180	-2.5 to 2.5	Pass
				10	3.8	-12.488	-0.0176	-2.5 to 2.5	Pass
				30	3.8	-12.646	-0.0178	-2.5 to 2.5	Pass
				40	3.8	-12.546	-0.0177	-2.5 to 2.5	Pass
				50	3.8	-12.546	-0.0177	-2.5 to 2.5	Pass
	713.5	25	0	20	3.5	-0.086	-0.0001	-2.5 to 2.5	Pass
					3.8	1.316	0.0018	-2.5 to 2.5	Pass
					4.35	2.332	0.0033	-2.5 to 2.5	Pass
				-30	3.8	3.190	0.0045	-2.5 to 2.5	Pass
				-20	3.8	4.034	0.0057	-2.5 to 2.5	Pass
				-10	3.8	4.535	0.0064	-2.5 to 2.5	Pass
				0	3.8	5.207	0.0073	-2.5 to 2.5	Pass
				10	3.8	6.266	0.0088	-2.5 to 2.5	Pass
				30	3.8	6.065	0.0085	-2.5 to 2.5	Pass
				40	3.8	6.967	0.0098	-2.5 to 2.5	Pass
				50	3.8	7.381	0.0103	-2.5 to 2.5	Pass

6.2 B17_10MHz

6.2.1 Test Result

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.5	-32.215	-0.0454	-2.5 to 2.5	Pass
					3.8	-32.945	-0.0465	-2.5 to 2.5	Pass
					4.35	-32.845	-0.0463	-2.5 to 2.5	Pass
				-30	3.8	-32.501	-0.0458	-2.5 to 2.5	Pass
				-20	3.8	-32.387	-0.0457	-2.5 to 2.5	Pass
				-10	3.8	-31.528	-0.0445	-2.5 to 2.5	Pass
				0	3.8	-30.327	-0.0428	-2.5 to 2.5	Pass
				10	3.8	-29.597	-0.0417	-2.5 to 2.5	Pass
				30	3.8	-29.097	-0.0410	-2.5 to 2.5	Pass
				40	3.8	-28.009	-0.0395	-2.5 to 2.5	Pass
				50	3.8	-27.452	-0.0387	-2.5 to 2.5	Pass
	710	50	0	20	3.5	-2.589	-0.0036	-2.5 to 2.5	Pass
					3.8	-3.476	-0.0049	-2.5 to 2.5	Pass
					4.35	-3.033	-0.0043	-2.5 to 2.5	Pass
				-30	3.8	-3.033	-0.0043	-2.5 to 2.5	Pass
				-20	3.8	-2.747	-0.0039	-2.5 to 2.5	Pass
				-10	3.8	-2.732	-0.0038	-2.5 to 2.5	Pass
				0	3.8	-2.260	-0.0032	-2.5 to 2.5	Pass
				10	3.8	-2.117	-0.0030	-2.5 to 2.5	Pass
				30	3.8	-2.031	-0.0029	-2.5 to 2.5	Pass
				40	3.8	-1.616	-0.0023	-2.5 to 2.5	Pass
				50	3.8	-1.473	-0.0021	-2.5 to 2.5	Pass
	711	50	0	20	3.5	-3.777	-0.0053	-2.5 to 2.5	Pass
					3.8	-4.649	-0.0065	-2.5 to 2.5	Pass
					4.35	-4.606	-0.0065	-2.5 to 2.5	Pass
				-30	3.8	-4.463	-0.0063	-2.5 to 2.5	Pass
				-20	3.8	-4.420	-0.0062	-2.5 to 2.5	Pass
				-10	3.8	-3.619	-0.0051	-2.5 to 2.5	Pass
				0	3.8	-3.476	-0.0049	-2.5 to 2.5	Pass
				10	3.8	-3.519	-0.0049	-2.5 to 2.5	Pass
				30	3.8	-2.832	-0.0040	-2.5 to 2.5	Pass
				40	3.8	-2.260	-0.0032	-2.5 to 2.5	Pass

				50	3.8	-2.003	-0.0028	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.5	-27.180	-0.0383	-2.5 to 2.5	Pass
					3.8	-26.279	-0.0371	-2.5 to 2.5	Pass
					4.35	-26.107	-0.0368	-2.5 to 2.5	Pass
				-30	3.8	-25.620	-0.0361	-2.5 to 2.5	Pass
				-20	3.8	-25.606	-0.0361	-2.5 to 2.5	Pass
				-10	3.8	-24.962	-0.0352	-2.5 to 2.5	Pass
				0	3.8	-24.948	-0.0352	-2.5 to 2.5	Pass
				10	3.8	-24.519	-0.0346	-2.5 to 2.5	Pass
				30	3.8	-24.776	-0.0349	-2.5 to 2.5	Pass
				40	3.8	-24.261	-0.0342	-2.5 to 2.5	Pass
				50	3.8	-23.775	-0.0335	-2.5 to 2.5	Pass
	710	50	0	20	3.5	-1.216	-0.0017	-2.5 to 2.5	Pass
					3.8	-1.001	-0.0014	-2.5 to 2.5	Pass
					4.35	-0.758	-0.0011	-2.5 to 2.5	Pass
				-30	3.8	-0.458	-0.0006	-2.5 to 2.5	Pass
				-20	3.8	-0.358	-0.0005	-2.5 to 2.5	Pass
				-10	3.8	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	3.8	-0.472	-0.0007	-2.5 to 2.5	Pass
				10	3.8	-0.558	-0.0008	-2.5 to 2.5	Pass
				30	3.8	-0.486	-0.0007	-2.5 to 2.5	Pass
				40	3.8	-0.343	-0.0005	-2.5 to 2.5	Pass
				50	3.8	-0.029	0.0000	-2.5 to 2.5	Pass
	711	50	0	20	3.5	-1.516	-0.0021	-2.5 to 2.5	Pass
					3.8	-1.316	-0.0019	-2.5 to 2.5	Pass
					4.35	-1.073	-0.0015	-2.5 to 2.5	Pass
				-30	3.8	-1.001	-0.0014	-2.5 to 2.5	Pass
				-20	3.8	-0.730	-0.0010	-2.5 to 2.5	Pass
				-10	3.8	-0.987	-0.0014	-2.5 to 2.5	Pass
				0	3.8	-0.873	-0.0012	-2.5 to 2.5	Pass
				10	3.8	-0.901	-0.0013	-2.5 to 2.5	Pass
				30	3.8	-1.087	-0.0015	-2.5 to 2.5	Pass
				40	3.8	-0.715	-0.0010	-2.5 to 2.5	Pass
				50	3.8	-0.644	-0.0009	-2.5 to 2.5	Pass

7. Frequency Stability

7.1 B26a_1.4MHz

7.1.1 Test Result

Band: 26a / 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	814.7	6	0	20	3.5	-0.501	-0.0006	-2.5 to 2.5	Pass
					3.8	-0.172	-0.0002	-2.5 to 2.5	Pass
					4.35	1.273	0.0016	-2.5 to 2.5	Pass
				-30	3.8	2.003	0.0025	-2.5 to 2.5	Pass
				-20	3.8	3.963	0.0049	-2.5 to 2.5	Pass
				-10	3.8	5.236	0.0064	-2.5 to 2.5	Pass
				0	3.8	6.809	0.0084	-2.5 to 2.5	Pass
				10	3.8	7.997	0.0098	-2.5 to 2.5	Pass
				30	3.8	9.685	0.0119	-2.5 to 2.5	Pass
				40	3.8	10.700	0.0131	-2.5 to 2.5	Pass

				50	3.8	11.787	0.0145	-2.5 to 2.5	Pass
	819	6	0	20	3.5	5.922	0.0072	-2.5 to 2.5	Pass
					3.8	5.822	0.0071	-2.5 to 2.5	Pass
					4.35	6.781	0.0083	-2.5 to 2.5	Pass
				-30	3.8	7.782	0.0095	-2.5 to 2.5	Pass
				-20	3.8	8.469	0.0103	-2.5 to 2.5	Pass
				-10	3.8	9.098	0.0111	-2.5 to 2.5	Pass
				0	3.8	10.099	0.0123	-2.5 to 2.5	Pass
				10	3.8	11.001	0.0134	-2.5 to 2.5	Pass
				30	3.8	11.888	0.0145	-2.5 to 2.5	Pass
				40	3.8	12.589	0.0154	-2.5 to 2.5	Pass
				50	3.8	13.318	0.0163	-2.5 to 2.5	Pass
	823.3	6	0	20	3.5	-18.024	-0.0219	-2.5 to 2.5	Pass
					3.8	-17.152	-0.0208	-2.5 to 2.5	Pass
					4.35	-16.465	-0.0200	-2.5 to 2.5	Pass
				-30	3.8	-15.078	-0.0183	-2.5 to 2.5	Pass
				-20	3.8	-14.706	-0.0179	-2.5 to 2.5	Pass
				-10	3.8	-13.275	-0.0161	-2.5 to 2.5	Pass
				0	3.8	-12.560	-0.0153	-2.5 to 2.5	Pass
				10	3.8	-11.573	-0.0141	-2.5 to 2.5	Pass
				30	3.8	-10.629	-0.0129	-2.5 to 2.5	Pass
				40	3.8	-9.985	-0.0121	-2.5 to 2.5	Pass
				50	3.8	-9.499	-0.0115	-2.5 to 2.5	Pass
16QAM	814.7	6	0	20	3.5	-10.557	-0.0130	-2.5 to 2.5	Pass
					3.8	-10.614	-0.0130	-2.5 to 2.5	Pass
					4.35	-9.284	-0.0114	-2.5 to 2.5	Pass
				-30	3.8	-8.340	-0.0102	-2.5 to 2.5	Pass
				-20	3.8	-6.795	-0.0083	-2.5 to 2.5	Pass
				-10	3.8	-5.479	-0.0067	-2.5 to 2.5	Pass
				0	3.8	-4.721	-0.0058	-2.5 to 2.5	Pass
				10	3.8	-3.204	-0.0039	-2.5 to 2.5	Pass
				30	3.8	-2.289	-0.0028	-2.5 to 2.5	Pass
				40	3.8	-1.030	-0.0013	-2.5 to 2.5	Pass
				50	3.8	1.187	0.0015	-2.5 to 2.5	Pass
	819	6	0	20	3.5	-11.816	-0.0144	-2.5 to 2.5	Pass
					3.8	-11.287	-0.0138	-2.5 to 2.5	Pass
					4.35	-9.971	-0.0122	-2.5 to 2.5	Pass
				-30	3.8	-9.027	-0.0110	-2.5 to 2.5	Pass
				-20	3.8	-7.424	-0.0091	-2.5 to 2.5	Pass
				-10	3.8	-6.695	-0.0082	-2.5 to 2.5	Pass
				0	3.8	-5.093	-0.0062	-2.5 to 2.5	Pass
				10	3.8	-5.035	-0.0061	-2.5 to 2.5	Pass
				30	3.8	-4.649	-0.0057	-2.5 to 2.5	Pass
				40	3.8	-3.948	-0.0048	-2.5 to 2.5	Pass
				50	3.8	-3.076	-0.0038	-2.5 to 2.5	Pass
	823.3	6	0	20	3.5	-34.490	-0.0419	-2.5 to 2.5	Pass
					3.8	-34.132	-0.0415	-2.5 to 2.5	Pass
					4.35	-33.360	-0.0405	-2.5 to 2.5	Pass
				-30	3.8	-32.444	-0.0394	-2.5 to 2.5	Pass
				-20	3.8	-31.328	-0.0381	-2.5 to 2.5	Pass
				-10	3.8	-30.441	-0.0370	-2.5 to 2.5	Pass
				0	3.8	-29.383	-0.0357	-2.5 to 2.5	Pass
				10	3.8	-28.453	-0.0346	-2.5 to 2.5	Pass
				30	3.8	-27.280	-0.0331	-2.5 to 2.5	Pass
				40	3.8	-26.593	-0.0323	-2.5 to 2.5	Pass
				50	3.8	-25.449	-0.0309	-2.5 to 2.5	Pass

7.2 B26a_3MHz

7.2.1 Test Result

Band: 26a / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	815.5	15	0	20	3.5	-45.877	-0.0563	-2.5 to 2.5	Pass
					3.8	-46.563	-0.0571	-2.5 to 2.5	Pass
					4.35	-47.021	-0.0577	-2.5 to 2.5	Pass
				-30	3.8	-46.206	-0.0567	-2.5 to 2.5	Pass
				-20	3.8	-46.306	-0.0568	-2.5 to 2.5	Pass
				-10	3.8	-45.433	-0.0557	-2.5 to 2.5	Pass
				0	3.8	-45.218	-0.0554	-2.5 to 2.5	Pass
				10	3.8	-44.961	-0.0551	-2.5 to 2.5	Pass
				30	3.8	-44.274	-0.0543	-2.5 to 2.5	Pass
				40	3.8	-44.189	-0.0542	-2.5 to 2.5	Pass
				50	3.8	-44.131	-0.0541	-2.5 to 2.5	Pass
	819	15	0	20	3.5	-4.292	-0.0052	-2.5 to 2.5	Pass
					3.8	-5.221	-0.0064	-2.5 to 2.5	Pass
					4.35	-5.078	-0.0062	-2.5 to 2.5	Pass
				-30	3.8	-4.907	-0.0060	-2.5 to 2.5	Pass
				-20	3.8	-4.692	-0.0057	-2.5 to 2.5	Pass
				-10	3.8	-4.821	-0.0059	-2.5 to 2.5	Pass
				0	3.8	-4.549	-0.0056	-2.5 to 2.5	Pass
				10	3.8	-4.163	-0.0051	-2.5 to 2.5	Pass
				30	3.8	-3.834	-0.0047	-2.5 to 2.5	Pass
				40	3.8	-3.719	-0.0045	-2.5 to 2.5	Pass
				50	3.8	-2.933	-0.0036	-2.5 to 2.5	Pass
	822.5	15	0	20	3.5	-10.142	-0.0123	-2.5 to 2.5	Pass
					3.8	-10.729	-0.0130	-2.5 to 2.5	Pass
					4.35	-10.600	-0.0129	-2.5 to 2.5	Pass
				-30	3.8	-10.614	-0.0129	-2.5 to 2.5	Pass
				-20	3.8	-10.428	-0.0127	-2.5 to 2.5	Pass
				-10	3.8	-10.200	-0.0124	-2.5 to 2.5	Pass
				0	3.8	-9.785	-0.0119	-2.5 to 2.5	Pass
				10	3.8	-10.157	-0.0123	-2.5 to 2.5	Pass
				30	3.8	-9.756	-0.0119	-2.5 to 2.5	Pass
				40	3.8	-9.198	-0.0112	-2.5 to 2.5	Pass
				50	3.8	-9.155	-0.0111	-2.5 to 2.5	Pass
16QAM	815.5	15	0	20	3.5	-4.177	-0.0051	-2.5 to 2.5	Pass
					3.8	-4.663	-0.0057	-2.5 to 2.5	Pass
					4.35	-4.692	-0.0058	-2.5 to 2.5	Pass
				-30	3.8	-4.649	-0.0057	-2.5 to 2.5	Pass
				-20	3.8	-4.549	-0.0056	-2.5 to 2.5	Pass
				-10	3.8	-4.792	-0.0059	-2.5 to 2.5	Pass
				0	3.8	-4.435	-0.0054	-2.5 to 2.5	Pass
				10	3.8	-4.549	-0.0056	-2.5 to 2.5	Pass
				30	3.8	-4.249	-0.0052	-2.5 to 2.5	Pass
				40	3.8	-4.349	-0.0053	-2.5 to 2.5	Pass
				50	3.8	-4.621	-0.0057	-2.5 to 2.5	Pass
	819	15	0	20	3.5	-11.659	-0.0142	-2.5 to 2.5	Pass
					3.8	-12.074	-0.0147	-2.5 to 2.5	Pass
					4.35	-12.074	-0.0147	-2.5 to 2.5	Pass
				-30	3.8	-12.045	-0.0147	-2.5 to 2.5	Pass
				-20	3.8	-12.016	-0.0147	-2.5 to 2.5	Pass
				-10	3.8	-12.045	-0.0147	-2.5 to 2.5	Pass
				0	3.8	-11.601	-0.0142	-2.5 to 2.5	Pass
				10	3.8	-11.630	-0.0142	-2.5 to 2.5	Pass
				30	3.8	-11.830	-0.0144	-2.5 to 2.5	Pass
				40	3.8	-11.787	-0.0144	-2.5 to 2.5	Pass

				50	3.8	-12.302	-0.0150	-2.5 to 2.5	Pass
	822.5	15	0	20	3.5	-10.514	-0.0128	-2.5 to 2.5	Pass
					3.8	-10.958	-0.0133	-2.5 to 2.5	Pass
					4.35	-11.244	-0.0137	-2.5 to 2.5	Pass
				-30	3.8	-11.058	-0.0134	-2.5 to 2.5	Pass
				-20	3.8	-11.501	-0.0140	-2.5 to 2.5	Pass
				-10	3.8	-11.601	-0.0141	-2.5 to 2.5	Pass
				0	3.8	-11.702	-0.0142	-2.5 to 2.5	Pass
				10	3.8	-12.074	-0.0147	-2.5 to 2.5	Pass
				30	3.8	-12.045	-0.0146	-2.5 to 2.5	Pass
				40	3.8	-12.288	-0.0149	-2.5 to 2.5	Pass
				50	3.8	-12.846	-0.0156	-2.5 to 2.5	Pass

7.3 B26a_5MHz

7.3.1 Test Result

Band: 26a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	816.5	25	0	20	3.5	-13.590	-0.0166	-2.5 to 2.5	Pass
					3.8	-14.448	-0.0177	-2.5 to 2.5	Pass
					4.35	-14.720	-0.0180	-2.5 to 2.5	Pass
				-30	3.8	-15.335	-0.0188	-2.5 to 2.5	Pass
				-20	3.8	-15.135	-0.0185	-2.5 to 2.5	Pass
				-10	3.8	-15.306	-0.0187	-2.5 to 2.5	Pass
				0	3.8	-15.779	-0.0193	-2.5 to 2.5	Pass
				10	3.8	-15.779	-0.0193	-2.5 to 2.5	Pass
				30	3.8	-15.278	-0.0187	-2.5 to 2.5	Pass
				40	3.8	-15.249	-0.0187	-2.5 to 2.5	Pass
				50	3.8	-14.648	-0.0179	-2.5 to 2.5	Pass
	819	25	0	20	3.5	-2.675	-0.0033	-2.5 to 2.5	Pass
					3.8	-4.005	-0.0049	-2.5 to 2.5	Pass
					4.35	-2.975	-0.0036	-2.5 to 2.5	Pass
				-30	3.8	-2.089	-0.0026	-2.5 to 2.5	Pass
				-20	3.8	-1.130	-0.0014	-2.5 to 2.5	Pass
				-10	3.8	0.057	0.0001	-2.5 to 2.5	Pass
				0	3.8	1.302	0.0016	-2.5 to 2.5	Pass
				10	3.8	2.775	0.0034	-2.5 to 2.5	Pass
				30	3.8	4.163	0.0051	-2.5 to 2.5	Pass
				40	3.8	5.636	0.0069	-2.5 to 2.5	Pass
				50	3.8	7.024	0.0086	-2.5 to 2.5	Pass
	821.5	25	0	20	3.5	-12.016	-0.0146	-2.5 to 2.5	Pass
					3.8	-12.589	-0.0153	-2.5 to 2.5	Pass
					4.35	-13.189	-0.0161	-2.5 to 2.5	Pass
				-30	3.8	-12.803	-0.0156	-2.5 to 2.5	Pass
				-20	3.8	-12.403	-0.0151	-2.5 to 2.5	Pass
				-10	3.8	-12.331	-0.0150	-2.5 to 2.5	Pass
				0	3.8	-12.016	-0.0146	-2.5 to 2.5	Pass
				10	3.8	-11.616	-0.0141	-2.5 to 2.5	Pass
				30	3.8	-11.702	-0.0142	-2.5 to 2.5	Pass
				40	3.8	-11.687	-0.0142	-2.5 to 2.5	Pass
				50	3.8	-11.458	-0.0139	-2.5 to 2.5	Pass
16QAM	816.5	25	0	20	3.5	-5.536	-0.0068	-2.5 to 2.5	Pass
					3.8	-6.266	-0.0077	-2.5 to 2.5	Pass
					4.35	-6.609	-0.0081	-2.5 to 2.5	Pass
				-30	3.8	-6.537	-0.0080	-2.5 to 2.5	Pass

				-20	3.8	-6.194	-0.0076	-2.5 to 2.5	Pass
				-10	3.8	-6.552	-0.0080	-2.5 to 2.5	Pass
				0	3.8	-6.423	-0.0079	-2.5 to 2.5	Pass
				10	3.8	-6.466	-0.0079	-2.5 to 2.5	Pass
				30	3.8	-6.266	-0.0077	-2.5 to 2.5	Pass
				40	3.8	-6.266	-0.0077	-2.5 to 2.5	Pass
				50	3.8	-6.366	-0.0078	-2.5 to 2.5	Pass
	819	25	0	20	3.5	-16.665	-0.0203	-2.5 to 2.5	Pass
					3.8	-16.894	-0.0206	-2.5 to 2.5	Pass
					4.35	-16.294	-0.0199	-2.5 to 2.5	Pass
				-30	3.8	-16.108	-0.0197	-2.5 to 2.5	Pass
				-20	3.8	-15.478	-0.0189	-2.5 to 2.5	Pass
				-10	3.8	-15.464	-0.0189	-2.5 to 2.5	Pass
				0	3.8	-15.020	-0.0183	-2.5 to 2.5	Pass
				10	3.8	-15.206	-0.0186	-2.5 to 2.5	Pass
				30	3.8	-14.935	-0.0182	-2.5 to 2.5	Pass
				40	3.8	-14.448	-0.0176	-2.5 to 2.5	Pass
				50	3.8	-14.291	-0.0174	-2.5 to 2.5	Pass
	821.5	25	0	20	3.5	-5.279	-0.0064	-2.5 to 2.5	Pass
					3.8	-5.865	-0.0071	-2.5 to 2.5	Pass
					4.35	-6.194	-0.0075	-2.5 to 2.5	Pass
				-30	3.8	-5.922	-0.0072	-2.5 to 2.5	Pass
				-20	3.8	-6.323	-0.0077	-2.5 to 2.5	Pass
				-10	3.8	-6.609	-0.0080	-2.5 to 2.5	Pass
				0	3.8	-6.709	-0.0082	-2.5 to 2.5	Pass
				10	3.8	-6.523	-0.0079	-2.5 to 2.5	Pass
				30	3.8	-6.938	-0.0084	-2.5 to 2.5	Pass
				40	3.8	-6.666	-0.0081	-2.5 to 2.5	Pass
				50	3.8	-6.738	-0.0082	-2.5 to 2.5	Pass

7.4 B26a_10MHz

7.4.1 Test Result

Band: 26a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	819	50	0	20	3.5	-1.459	-0.0018	-2.5 to 2.5	Pass
					3.8	-2.890	-0.0035	-2.5 to 2.5	Pass
					4.35	-3.104	-0.0038	-2.5 to 2.5	Pass
				-30	3.8	-3.004	-0.0037	-2.5 to 2.5	Pass
				-20	3.8	-2.646	-0.0032	-2.5 to 2.5	Pass
				-10	3.8	-1.817	-0.0022	-2.5 to 2.5	Pass
				0	3.8	-1.817	-0.0022	-2.5 to 2.5	Pass
				10	3.8	-1.287	-0.0016	-2.5 to 2.5	Pass
				30	3.8	-0.172	-0.0002	-2.5 to 2.5	Pass
				40	3.8	0.286	0.0003	-2.5 to 2.5	Pass
				50	3.8	0.401	0.0005	-2.5 to 2.5	Pass
	819	50	0	20	3.5	-2.317	-0.0028	-2.5 to 2.5	Pass
					3.8	-3.090	-0.0038	-2.5 to 2.5	Pass
					4.35	-3.190	-0.0039	-2.5 to 2.5	Pass
				-30	3.8	-2.747	-0.0034	-2.5 to 2.5	Pass
				-20	3.8	-2.289	-0.0028	-2.5 to 2.5	Pass
				-10	3.8	-2.346	-0.0029	-2.5 to 2.5	Pass
				0	3.8	-1.101	-0.0013	-2.5 to 2.5	Pass
				10	3.8	-1.488	-0.0018	-2.5 to 2.5	Pass
				30	3.8	-0.887	-0.0011	-2.5 to 2.5	Pass

				40	3.8	-0.529	-0.0006	-2.5 to 2.5	Pass
				50	3.8	-0.243	-0.0003	-2.5 to 2.5	Pass
					3.5	-10.843	-0.0132	-2.5 to 2.5	Pass
				20	3.8	-10.300	-0.0126	-2.5 to 2.5	Pass
					4.35	-9.270	-0.0113	-2.5 to 2.5	Pass
				-30	3.8	-8.054	-0.0098	-2.5 to 2.5	Pass
				-20	3.8	-7.024	-0.0086	-2.5 to 2.5	Pass
	819	50	0	-10	3.8	-6.294	-0.0077	-2.5 to 2.5	Pass
				0	3.8	-4.606	-0.0056	-2.5 to 2.5	Pass
				10	3.8	-3.734	-0.0046	-2.5 to 2.5	Pass
				30	3.8	-2.646	-0.0032	-2.5 to 2.5	Pass
				40	3.8	-1.817	-0.0022	-2.5 to 2.5	Pass
				50	3.8	-1.030	-0.0013	-2.5 to 2.5	Pass
					3.5	-46.248	-0.0565	-2.5 to 2.5	Pass
				20	3.8	-46.864	-0.0572	-2.5 to 2.5	Pass
					4.35	-47.207	-0.0576	-2.5 to 2.5	Pass
				-30	3.8	-47.836	-0.0584	-2.5 to 2.5	Pass
				-20	3.8	-47.793	-0.0584	-2.5 to 2.5	Pass
	819	50	0	-10	3.8	-47.221	-0.0577	-2.5 to 2.5	Pass
				0	3.8	-47.336	-0.0578	-2.5 to 2.5	Pass
				10	3.8	-47.493	-0.0580	-2.5 to 2.5	Pass
				30	3.8	-47.264	-0.0577	-2.5 to 2.5	Pass
				40	3.8	-47.622	-0.0581	-2.5 to 2.5	Pass
				50	3.8	-47.264	-0.0577	-2.5 to 2.5	Pass
					3.5	-4.377	-0.0053	-2.5 to 2.5	Pass
				20	3.8	-4.520	-0.0055	-2.5 to 2.5	Pass
					4.35	-4.363	-0.0053	-2.5 to 2.5	Pass
				-30	3.8	-4.363	-0.0053	-2.5 to 2.5	Pass
				-20	3.8	-4.220	-0.0052	-2.5 to 2.5	Pass
16QAM	819	50	0	-10	3.8	-4.306	-0.0053	-2.5 to 2.5	Pass
				0	3.8	-4.148	-0.0051	-2.5 to 2.5	Pass
				10	3.8	-4.263	-0.0052	-2.5 to 2.5	Pass
				30	3.8	-4.363	-0.0053	-2.5 to 2.5	Pass
				40	3.8	-3.862	-0.0047	-2.5 to 2.5	Pass
				50	3.8	-4.034	-0.0049	-2.5 to 2.5	Pass
					3.5	1.459	0.0018	-2.5 to 2.5	Pass
				20	3.8	0.257	0.0003	-2.5 to 2.5	Pass
					4.35	-0.157	-0.0002	-2.5 to 2.5	Pass
				-30	3.8	-0.215	-0.0003	-2.5 to 2.5	Pass
				-20	3.8	-0.057	-0.0001	-2.5 to 2.5	Pass
	819	50	0	-10	3.8	0.801	0.0010	-2.5 to 2.5	Pass
				0	3.8	1.860	0.0023	-2.5 to 2.5	Pass
				10	3.8	2.475	0.0030	-2.5 to 2.5	Pass
				30	3.8	3.004	0.0037	-2.5 to 2.5	Pass
				40	3.8	4.292	0.0052	-2.5 to 2.5	Pass
				50	3.8	5.350	0.0065	-2.5 to 2.5	Pass

8. Frequency Stability

8.1 B26b_1.4MHz

8.1.1 Test Result

Band: 26b / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	

QPSK	824.7	6	0	20	3.5	-8.254	-0.0100	-2.5 to 2.5	Pass
					3.8	-7.725	-0.0094	-2.5 to 2.5	Pass
					4.35	-7.539	-0.0091	-2.5 to 2.5	Pass
				-30	3.8	-6.051	-0.0073	-2.5 to 2.5	Pass
				-20	3.8	-5.136	-0.0062	-2.5 to 2.5	Pass
				-10	3.8	-4.134	-0.0050	-2.5 to 2.5	Pass
				0	3.8	-2.203	-0.0027	-2.5 to 2.5	Pass
				10	3.8	-0.644	-0.0008	-2.5 to 2.5	Pass
				30	3.8	0.587	0.0007	-2.5 to 2.5	Pass
				40	3.8	2.146	0.0026	-2.5 to 2.5	Pass
				50	3.8	3.505	0.0043	-2.5 to 2.5	Pass
	836.5	6	0	20	3.5	0.944	0.0011	-2.5 to 2.5	Pass
					3.8	-0.172	-0.0002	-2.5 to 2.5	Pass
					4.35	1.488	0.0018	-2.5 to 2.5	Pass
				-30	3.8	2.832	0.0034	-2.5 to 2.5	Pass
				-20	3.8	3.862	0.0046	-2.5 to 2.5	Pass
				-10	3.8	5.021	0.0060	-2.5 to 2.5	Pass
				0	3.8	6.824	0.0082	-2.5 to 2.5	Pass
				10	3.8	7.968	0.0095	-2.5 to 2.5	Pass
				30	3.8	9.799	0.0117	-2.5 to 2.5	Pass
				40	3.8	11.759	0.0141	-2.5 to 2.5	Pass
				50	3.8	13.046	0.0156	-2.5 to 2.5	Pass
	848.3	6	0	20	3.5	-26.622	-0.0314	-2.5 to 2.5	Pass
					3.8	-28.210	-0.0333	-2.5 to 2.5	Pass
					4.35	-27.680	-0.0326	-2.5 to 2.5	Pass
				-30	3.8	-26.965	-0.0318	-2.5 to 2.5	Pass
				-20	3.8	-26.193	-0.0309	-2.5 to 2.5	Pass
				-10	3.8	-25.291	-0.0298	-2.5 to 2.5	Pass
				0	3.8	-25.220	-0.0297	-2.5 to 2.5	Pass
				10	3.8	-24.147	-0.0285	-2.5 to 2.5	Pass
				30	3.8	-23.446	-0.0276	-2.5 to 2.5	Pass
				40	3.8	-22.702	-0.0268	-2.5 to 2.5	Pass
				50	3.8	-21.815	-0.0257	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.5	-4.292	-0.0052	-2.5 to 2.5	Pass
					3.8	-4.134	-0.0050	-2.5 to 2.5	Pass
					4.35	-3.705	-0.0045	-2.5 to 2.5	Pass
				-30	3.8	-2.532	-0.0031	-2.5 to 2.5	Pass
				-20	3.8	-2.475	-0.0030	-2.5 to 2.5	Pass
				-10	3.8	-1.473	-0.0018	-2.5 to 2.5	Pass
				0	3.8	-0.501	-0.0006	-2.5 to 2.5	Pass
				10	3.8	0.930	0.0011	-2.5 to 2.5	Pass
				30	3.8	1.631	0.0020	-2.5 to 2.5	Pass
				40	3.8	2.661	0.0032	-2.5 to 2.5	Pass
				50	3.8	3.333	0.0040	-2.5 to 2.5	Pass
	836.5	6	0	20	3.5	-0.844	-0.0010	-2.5 to 2.5	Pass
					3.8	-2.546	-0.0030	-2.5 to 2.5	Pass
					4.35	-2.003	-0.0024	-2.5 to 2.5	Pass
				-30	3.8	-0.758	-0.0009	-2.5 to 2.5	Pass
				-20	3.8	0.229	0.0003	-2.5 to 2.5	Pass
				-10	3.8	0.916	0.0011	-2.5 to 2.5	Pass
				0	3.8	2.804	0.0034	-2.5 to 2.5	Pass
				10	3.8	4.420	0.0053	-2.5 to 2.5	Pass
				30	3.8	5.922	0.0071	-2.5 to 2.5	Pass
				40	3.8	7.310	0.0087	-2.5 to 2.5	Pass
				50	3.8	8.197	0.0098	-2.5 to 2.5	Pass
	848.3	6	0	20	3.5	-25.549	-0.0301	-2.5 to 2.5	Pass
					3.8	-25.849	-0.0305	-2.5 to 2.5	Pass
					4.35	-24.991	-0.0295	-2.5 to 2.5	Pass
				-30	3.8	-23.675	-0.0279	-2.5 to 2.5	Pass

				-20	3.8	-22.173	-0.0261	-2.5 to 2.5	Pass
				-10	3.8	-21.501	-0.0253	-2.5 to 2.5	Pass
				0	3.8	-19.984	-0.0236	-2.5 to 2.5	Pass
				10	3.8	-18.969	-0.0224	-2.5 to 2.5	Pass
				30	3.8	-17.996	-0.0212	-2.5 to 2.5	Pass
				40	3.8	-17.166	-0.0202	-2.5 to 2.5	Pass
				50	3.8	-16.007	-0.0189	-2.5 to 2.5	Pass

8.2 B26b_3MHz

8.2.1 Test Result

Band: 26b / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.5	-5.937	-0.0072	-2.5 to 2.5	Pass
					3.8	-7.038	-0.0085	-2.5 to 2.5	Pass
					4.35	-6.824	-0.0083	-2.5 to 2.5	Pass
				-30	3.8	-6.652	-0.0081	-2.5 to 2.5	Pass
				-20	3.8	-6.723	-0.0081	-2.5 to 2.5	Pass
				-10	3.8	-6.495	-0.0079	-2.5 to 2.5	Pass
				0	3.8	-6.580	-0.0080	-2.5 to 2.5	Pass
				10	3.8	-6.652	-0.0081	-2.5 to 2.5	Pass
				30	3.8	-6.065	-0.0073	-2.5 to 2.5	Pass
				40	3.8	-6.251	-0.0076	-2.5 to 2.5	Pass
				50	3.8	-6.065	-0.0073	-2.5 to 2.5	Pass
	836.5	15	0	20	3.5	-13.175	-0.0158	-2.5 to 2.5	Pass
					3.8	-13.990	-0.0167	-2.5 to 2.5	Pass
					4.35	-13.990	-0.0167	-2.5 to 2.5	Pass
				-30	3.8	-13.776	-0.0165	-2.5 to 2.5	Pass
				-20	3.8	-13.647	-0.0163	-2.5 to 2.5	Pass
				-10	3.8	-13.762	-0.0165	-2.5 to 2.5	Pass
				0	3.8	-13.103	-0.0157	-2.5 to 2.5	Pass
				10	3.8	-13.375	-0.0160	-2.5 to 2.5	Pass
				30	3.8	-13.404	-0.0160	-2.5 to 2.5	Pass
				40	3.8	-12.517	-0.0150	-2.5 to 2.5	Pass
				50	3.8	-12.488	-0.0149	-2.5 to 2.5	Pass
	847.5	15	0	20	3.5	-1.931	-0.0023	-2.5 to 2.5	Pass
					3.8	-3.505	-0.0041	-2.5 to 2.5	Pass
					4.35	-3.247	-0.0038	-2.5 to 2.5	Pass
				-30	3.8	-2.532	-0.0030	-2.5 to 2.5	Pass
				-20	3.8	-1.817	-0.0021	-2.5 to 2.5	Pass
				-10	3.8	-1.431	-0.0017	-2.5 to 2.5	Pass
				0	3.8	-0.744	-0.0009	-2.5 to 2.5	Pass
				10	3.8	-0.572	-0.0007	-2.5 to 2.5	Pass
				30	3.8	0.043	0.0001	-2.5 to 2.5	Pass
				40	3.8	0.658	0.0008	-2.5 to 2.5	Pass
				50	3.8	1.030	0.0012	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.5	-4.764	-0.0058	-2.5 to 2.5	Pass
					3.8	-5.479	-0.0066	-2.5 to 2.5	Pass
					4.35	-5.736	-0.0069	-2.5 to 2.5	Pass
				-30	3.8	-5.722	-0.0069	-2.5 to 2.5	Pass
				-20	3.8	-5.922	-0.0072	-2.5 to 2.5	Pass
				-10	3.8	-5.736	-0.0069	-2.5 to 2.5	Pass
				0	3.8	-5.937	-0.0072	-2.5 to 2.5	Pass
				10	3.8	-6.080	-0.0074	-2.5 to 2.5	Pass
				30	3.8	-6.294	-0.0076	-2.5 to 2.5	Pass

				40	3.8	-6.208	-0.0075	-2.5 to 2.5	Pass
				50	3.8	-5.751	-0.0070	-2.5 to 2.5	Pass
	836.5	15	0	20	3.5	-22.516	-0.0269	-2.5 to 2.5	Pass
					3.8	-23.704	-0.0283	-2.5 to 2.5	Pass
					4.35	-23.918	-0.0286	-2.5 to 2.5	Pass
				-30	3.8	-23.918	-0.0286	-2.5 to 2.5	Pass
				-20	3.8	-23.918	-0.0286	-2.5 to 2.5	Pass
				-10	3.8	-24.433	-0.0292	-2.5 to 2.5	Pass
				0	3.8	-23.947	-0.0286	-2.5 to 2.5	Pass
				10	3.8	-24.176	-0.0289	-2.5 to 2.5	Pass
				30	3.8	-24.819	-0.0297	-2.5 to 2.5	Pass
				40	3.8	-24.033	-0.0287	-2.5 to 2.5	Pass
				50	3.8	-23.861	-0.0285	-2.5 to 2.5	Pass
	847.5	15	0	20	3.5	-22.502	-0.0266	-2.5 to 2.5	Pass
					3.8	-24.147	-0.0285	-2.5 to 2.5	Pass
					4.35	-24.319	-0.0287	-2.5 to 2.5	Pass
				-30	3.8	-24.219	-0.0286	-2.5 to 2.5	Pass
				-20	3.8	-24.605	-0.0290	-2.5 to 2.5	Pass
				-10	3.8	-24.161	-0.0285	-2.5 to 2.5	Pass
				0	3.8	-23.947	-0.0283	-2.5 to 2.5	Pass
				10	3.8	-24.033	-0.0284	-2.5 to 2.5	Pass
				30	3.8	-23.375	-0.0276	-2.5 to 2.5	Pass
				40	3.8	-23.432	-0.0276	-2.5 to 2.5	Pass
				50	3.8	-22.874	-0.0270	-2.5 to 2.5	Pass

8.3 B26b_5MHz

8.3.1 Test Result

Band: 26b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.5	-10.629	-0.0129	-2.5 to 2.5	Pass
					3.8	-11.802	-0.0143	-2.5 to 2.5	Pass
					4.35	-11.530	-0.0140	-2.5 to 2.5	Pass
				-30	3.8	-11.973	-0.0145	-2.5 to 2.5	Pass
				-20	3.8	-12.074	-0.0146	-2.5 to 2.5	Pass
				-10	3.8	-11.845	-0.0143	-2.5 to 2.5	Pass
				0	3.8	-12.016	-0.0145	-2.5 to 2.5	Pass
				10	3.8	-11.830	-0.0143	-2.5 to 2.5	Pass
				30	3.8	-11.945	-0.0145	-2.5 to 2.5	Pass
				40	3.8	-12.102	-0.0146	-2.5 to 2.5	Pass
				50	3.8	-11.787	-0.0143	-2.5 to 2.5	Pass
	836.5	25	0	20	3.5	-27.709	-0.0331	-2.5 to 2.5	Pass
					3.8	-27.165	-0.0325	-2.5 to 2.5	Pass
					4.35	-26.093	-0.0312	-2.5 to 2.5	Pass
				-30	3.8	-25.134	-0.0300	-2.5 to 2.5	Pass
				-20	3.8	-24.276	-0.0290	-2.5 to 2.5	Pass
				-10	3.8	-23.146	-0.0277	-2.5 to 2.5	Pass
				0	3.8	-22.302	-0.0267	-2.5 to 2.5	Pass
				10	3.8	-21.443	-0.0256	-2.5 to 2.5	Pass
				30	3.8	-20.757	-0.0248	-2.5 to 2.5	Pass
				40	3.8	-20.313	-0.0243	-2.5 to 2.5	Pass
				50	3.8	-19.984	-0.0239	-2.5 to 2.5	Pass
	846.5	25	0	20	3.5	-11.959	-0.0141	-2.5 to 2.5	Pass
					3.8	-13.175	-0.0156	-2.5 to 2.5	Pass
					4.35	-12.860	-0.0152	-2.5 to 2.5	Pass

				-30	3.8	-12.231	-0.0144	-2.5 to 2.5	Pass
				-20	3.8	-11.902	-0.0141	-2.5 to 2.5	Pass
				-10	3.8	-11.601	-0.0137	-2.5 to 2.5	Pass
				0	3.8	-11.344	-0.0134	-2.5 to 2.5	Pass
				10	3.8	-10.715	-0.0127	-2.5 to 2.5	Pass
				30	3.8	-10.586	-0.0125	-2.5 to 2.5	Pass
				40	3.8	-10.543	-0.0125	-2.5 to 2.5	Pass
				50	3.8	-10.228	-0.0121	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.5	-10.357	-0.0125	-2.5 to 2.5	Pass
					3.8	-11.272	-0.0136	-2.5 to 2.5	Pass
					4.35	-11.501	-0.0139	-2.5 to 2.5	Pass
				-30	3.8	-11.716	-0.0142	-2.5 to 2.5	Pass
				-20	3.8	-11.959	-0.0145	-2.5 to 2.5	Pass
				-10	3.8	-12.031	-0.0146	-2.5 to 2.5	Pass
				0	3.8	-12.102	-0.0146	-2.5 to 2.5	Pass
				10	3.8	-12.088	-0.0146	-2.5 to 2.5	Pass
				30	3.8	-12.431	-0.0150	-2.5 to 2.5	Pass
				40	3.8	-12.560	-0.0152	-2.5 to 2.5	Pass
				50	3.8	-12.231	-0.0148	-2.5 to 2.5	Pass
	836.5	25	0	20	3.5	-13.890	-0.0166	-2.5 to 2.5	Pass
					3.8	-14.448	-0.0173	-2.5 to 2.5	Pass
					4.35	-14.205	-0.0170	-2.5 to 2.5	Pass
				-30	3.8	-14.248	-0.0170	-2.5 to 2.5	Pass
				-20	3.8	-14.305	-0.0171	-2.5 to 2.5	Pass
				-10	3.8	-14.362	-0.0172	-2.5 to 2.5	Pass
				0	3.8	-14.048	-0.0168	-2.5 to 2.5	Pass
				10	3.8	-13.919	-0.0166	-2.5 to 2.5	Pass
				30	3.8	-13.976	-0.0167	-2.5 to 2.5	Pass
				40	3.8	-13.618	-0.0163	-2.5 to 2.5	Pass
				50	3.8	-13.361	-0.0160	-2.5 to 2.5	Pass
	846.5	25	0	20	3.5	-8.440	-0.0100	-2.5 to 2.5	Pass
					3.8	-9.599	-0.0113	-2.5 to 2.5	Pass
					4.35	-9.899	-0.0117	-2.5 to 2.5	Pass
				-30	3.8	-9.513	-0.0112	-2.5 to 2.5	Pass
				-20	3.8	-9.227	-0.0109	-2.5 to 2.5	Pass
				-10	3.8	-8.755	-0.0103	-2.5 to 2.5	Pass
				0	3.8	-8.597	-0.0102	-2.5 to 2.5	Pass
				10	3.8	-8.583	-0.0101	-2.5 to 2.5	Pass
				30	3.8	-8.125	-0.0096	-2.5 to 2.5	Pass
				40	3.8	-8.512	-0.0101	-2.5 to 2.5	Pass
				50	3.8	-7.939	-0.0094	-2.5 to 2.5	Pass

8.4 B26b_10MHz

8.4.1 Test Result

Band: 26b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.5	-3.691	-0.0045	-2.5 to 2.5	Pass
					3.8	-3.905	-0.0047	-2.5 to 2.5	Pass
					4.35	-3.877	-0.0047	-2.5 to 2.5	Pass
				-30	3.8	-3.848	-0.0046	-2.5 to 2.5	Pass
				-20	3.8	-4.177	-0.0050	-2.5 to 2.5	Pass
				-10	3.8	-3.476	-0.0042	-2.5 to 2.5	Pass
				0	3.8	-3.333	-0.0040	-2.5 to 2.5	Pass
				10	3.8	-3.405	-0.0041	-2.5 to 2.5	Pass

				30	3.8	-3.619	-0.0044	-2.5 to 2.5	Pass
				40	3.8	-3.233	-0.0039	-2.5 to 2.5	Pass
				50	3.8	-2.718	-0.0033	-2.5 to 2.5	Pass
	836.5	50	0	20	3.5	-6.781	-0.0081	-2.5 to 2.5	Pass
					3.8	-8.011	-0.0096	-2.5 to 2.5	Pass
					4.35	-7.639	-0.0091	-2.5 to 2.5	Pass
				-30	3.8	-7.739	-0.0093	-2.5 to 2.5	Pass
				-20	3.8	-7.281	-0.0087	-2.5 to 2.5	Pass
				-10	3.8	-7.410	-0.0089	-2.5 to 2.5	Pass
				0	3.8	-7.167	-0.0086	-2.5 to 2.5	Pass
				10	3.8	-7.067	-0.0084	-2.5 to 2.5	Pass
				30	3.8	-6.752	-0.0081	-2.5 to 2.5	Pass
				40	3.8	-6.366	-0.0076	-2.5 to 2.5	Pass
				50	3.8	-6.151	-0.0074	-2.5 to 2.5	Pass
	844	50	0	20	3.5	-5.078	-0.0060	-2.5 to 2.5	Pass
					3.8	-5.922	-0.0070	-2.5 to 2.5	Pass
					4.35	-5.221	-0.0062	-2.5 to 2.5	Pass
				-30	3.8	-4.435	-0.0053	-2.5 to 2.5	Pass
				-20	3.8	-3.476	-0.0041	-2.5 to 2.5	Pass
				-10	3.8	-2.975	-0.0035	-2.5 to 2.5	Pass
				0	3.8	-1.917	-0.0023	-2.5 to 2.5	Pass
				10	3.8	-1.330	-0.0016	-2.5 to 2.5	Pass
				30	3.8	-0.687	-0.0008	-2.5 to 2.5	Pass
				40	3.8	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.8	0.429	0.0005	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.5	-14.234	-0.0172	-2.5 to 2.5	Pass
					3.8	-15.321	-0.0185	-2.5 to 2.5	Pass
					4.35	-15.378	-0.0186	-2.5 to 2.5	Pass
				-30	3.8	-15.349	-0.0185	-2.5 to 2.5	Pass
				-20	3.8	-15.106	-0.0182	-2.5 to 2.5	Pass
				-10	3.8	-15.407	-0.0186	-2.5 to 2.5	Pass
				0	3.8	-15.292	-0.0184	-2.5 to 2.5	Pass
				10	3.8	-16.036	-0.0193	-2.5 to 2.5	Pass
				30	3.8	-15.564	-0.0188	-2.5 to 2.5	Pass
				40	3.8	-16.079	-0.0194	-2.5 to 2.5	Pass
				50	3.8	-15.864	-0.0191	-2.5 to 2.5	Pass
	836.5	50	0	20	3.5	-2.446	-0.0029	-2.5 to 2.5	Pass
					3.8	-1.960	-0.0023	-2.5 to 2.5	Pass
					4.35	-0.501	-0.0006	-2.5 to 2.5	Pass
				-30	3.8	1.245	0.0015	-2.5 to 2.5	Pass
				-20	3.8	3.548	0.0042	-2.5 to 2.5	Pass
				-10	3.8	5.708	0.0068	-2.5 to 2.5	Pass
				0	3.8	8.254	0.0099	-2.5 to 2.5	Pass
				10	3.8	10.014	0.0120	-2.5 to 2.5	Pass
				30	3.8	11.730	0.0140	-2.5 to 2.5	Pass
				40	3.8	13.933	0.0167	-2.5 to 2.5	Pass
				50	3.8	15.450	0.0185	-2.5 to 2.5	Pass
	844	50	0	20	3.5	-15.678	-0.0186	-2.5 to 2.5	Pass
					3.8	-16.465	-0.0195	-2.5 to 2.5	Pass
					4.35	-14.520	-0.0172	-2.5 to 2.5	Pass
				-30	3.8	-11.930	-0.0141	-2.5 to 2.5	Pass
				-20	3.8	-10.443	-0.0124	-2.5 to 2.5	Pass
				-10	3.8	-8.826	-0.0105	-2.5 to 2.5	Pass
				0	3.8	-6.952	-0.0082	-2.5 to 2.5	Pass
				10	3.8	-4.621	-0.0055	-2.5 to 2.5	Pass
				30	3.8	-3.190	-0.0038	-2.5 to 2.5	Pass
				40	3.8	-1.631	-0.0019	-2.5 to 2.5	Pass
				50	3.8	0.029	0.0000	-2.5 to 2.5	Pass

9. Frequency Stability

9.1 B41_5MHz

9.1.1 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	2547.5	25	0	20	3.5	-19.140	-0.0075	-2.5 to 2.5	Pass
					3.8	-36.664	-0.0144	-2.5 to 2.5	Pass
					4.35	-37.537	-0.0147	-2.5 to 2.5	Pass
				-30	3.8	-37.022	-0.0145	-2.5 to 2.5	Pass
				-20	3.8	-35.377	-0.0139	-2.5 to 2.5	Pass
				-10	3.8	-12.517	-0.0049	-2.5 to 2.5	Pass
				0	3.8	-8.883	-0.0035	-2.5 to 2.5	Pass
				10	3.8	-3.791	-0.0015	-2.5 to 2.5	Pass
				30	3.8	-1.202	-0.0005	-2.5 to 2.5	Pass
				40	3.8	-17.323	-0.0068	-2.5 to 2.5	Pass
				50	3.8	-12.889	-0.0051	-2.5 to 2.5	Pass
	2600	25	0	20	3.5	-40.412	-0.0155	-2.5 to 2.5	Pass
					3.8	-39.926	-0.0154	-2.5 to 2.5	Pass
					4.35	-39.210	-0.0151	-2.5 to 2.5	Pass
				-30	3.8	-38.910	-0.0150	-2.5 to 2.5	Pass
				-20	3.8	-36.821	-0.0142	-2.5 to 2.5	Pass
				-10	3.8	-37.665	-0.0145	-2.5 to 2.5	Pass
				0	3.8	-37.665	-0.0145	-2.5 to 2.5	Pass
				10	3.8	-37.794	-0.0145	-2.5 to 2.5	Pass
				30	3.8	-36.106	-0.0139	-2.5 to 2.5	Pass
				40	3.8	-35.648	-0.0137	-2.5 to 2.5	Pass
				50	3.8	-34.175	-0.0131	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.5	-1.473	-0.0006	-2.5 to 2.5	Pass
					3.8	-3.204	-0.0012	-2.5 to 2.5	Pass
					4.35	4.978	0.0019	-2.5 to 2.5	Pass
				-30	3.8	4.835	0.0018	-2.5 to 2.5	Pass
				-20	3.8	4.334	0.0016	-2.5 to 2.5	Pass
				-10	3.8	6.123	0.0023	-2.5 to 2.5	Pass
				0	3.8	-2.146	-0.0008	-2.5 to 2.5	Pass
				10	3.8	9.413	0.0035	-2.5 to 2.5	Pass
				30	3.8	11.616	0.0044	-2.5 to 2.5	Pass
				40	3.8	4.163	0.0016	-2.5 to 2.5	Pass
				50	3.8	5.822	0.0022	-2.5 to 2.5	Pass
16QAM	2547.5	25	0	20	3.5	2.131	0.0008	-2.5 to 2.5	Pass
					3.8	14.634	0.0057	-2.5 to 2.5	Pass
					4.35	-1.116	-0.0004	-2.5 to 2.5	Pass
				-30	3.8	22.702	0.0089	-2.5 to 2.5	Pass
				-20	3.8	11.859	0.0047	-2.5 to 2.5	Pass
				-10	3.8	29.111	0.0114	-2.5 to 2.5	Pass
				0	3.8	31.128	0.0122	-2.5 to 2.5	Pass
				10	3.8	13.733	0.0054	-2.5 to 2.5	Pass
				30	3.8	36.564	0.0144	-2.5 to 2.5	Pass
				40	3.8	36.321	0.0143	-2.5 to 2.5	Pass
				50	3.8	40.011	0.0157	-2.5 to 2.5	Pass
	2600	25	0	20	3.5	-35.148	-0.0135	-2.5 to 2.5	Pass
					3.8	-34.275	-0.0132	-2.5 to 2.5	Pass
					4.35	-33.274	-0.0128	-2.5 to 2.5	Pass

				-30	3.8	-32.473	-0.0125	-2.5 to 2.5	Pass
				-20	3.8	-32.444	-0.0125	-2.5 to 2.5	Pass
				-10	3.8	-31.672	-0.0122	-2.5 to 2.5	Pass
				0	3.8	-31.385	-0.0121	-2.5 to 2.5	Pass
				10	3.8	-33.531	-0.0129	-2.5 to 2.5	Pass
				30	3.8	-32.473	-0.0125	-2.5 to 2.5	Pass
				40	3.8	-31.686	-0.0122	-2.5 to 2.5	Pass
				50	3.8	-32.487	-0.0125	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.5	15.163	0.0057	-2.5 to 2.5	Pass
					3.8	18.053	0.0068	-2.5 to 2.5	Pass
					4.35	19.126	0.0072	-2.5 to 2.5	Pass
				-30	3.8	21.329	0.0080	-2.5 to 2.5	Pass
				-20	3.8	22.359	0.0084	-2.5 to 2.5	Pass
				-10	3.8	24.161	0.0091	-2.5 to 2.5	Pass
				0	3.8	17.009	0.0064	-2.5 to 2.5	Pass
				10	3.8	26.722	0.0101	-2.5 to 2.5	Pass
				30	3.8	19.283	0.0073	-2.5 to 2.5	Pass
				40	3.8	27.781	0.0105	-2.5 to 2.5	Pass
				50	3.8	28.696	0.0108	-2.5 to 2.5	Pass

9.2 B41_10MHz

9.2.1 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	2550	50	0	20	3.5	26.407	0.0104	-2.5 to 2.5	Pass
					3.8	13.332	0.0052	-2.5 to 2.5	Pass
					4.35	23.847	0.0094	-2.5 to 2.5	Pass
				-30	3.8	15.006	0.0059	-2.5 to 2.5	Pass
				-20	3.8	31.729	0.0124	-2.5 to 2.5	Pass
				-10	3.8	36.778	0.0144	-2.5 to 2.5	Pass
				0	3.8	30.713	0.0120	-2.5 to 2.5	Pass
				10	3.8	35.076	0.0138	-2.5 to 2.5	Pass
				30	3.8	-9.871	-0.0039	-2.5 to 2.5	Pass
				40	3.8	-4.807	-0.0019	-2.5 to 2.5	Pass
				50	3.8	-1.016	-0.0004	-2.5 to 2.5	Pass
	2600	50	0	20	3.5	6.409	0.0025	-2.5 to 2.5	Pass
					3.8	9.027	0.0035	-2.5 to 2.5	Pass
					4.35	8.454	0.0033	-2.5 to 2.5	Pass
				-30	3.8	8.011	0.0031	-2.5 to 2.5	Pass
				-20	3.8	6.251	0.0024	-2.5 to 2.5	Pass
				-10	3.8	4.420	0.0017	-2.5 to 2.5	Pass
				0	3.8	6.566	0.0025	-2.5 to 2.5	Pass
				10	3.8	5.107	0.0020	-2.5 to 2.5	Pass
				30	3.8	3.819	0.0015	-2.5 to 2.5	Pass
				40	3.8	4.377	0.0017	-2.5 to 2.5	Pass
				50	3.8	4.563	0.0018	-2.5 to 2.5	Pass
	2650	50	0	20	3.5	-16.451	-0.0062	-2.5 to 2.5	Pass
					3.8	-11.201	-0.0042	-2.5 to 2.5	Pass
					4.35	-11.716	-0.0044	-2.5 to 2.5	Pass
				-30	3.8	-21.572	-0.0081	-2.5 to 2.5	Pass
				-20	3.8	-17.581	-0.0066	-2.5 to 2.5	Pass
				-10	3.8	-13.289	-0.0050	-2.5 to 2.5	Pass
				0	3.8	1.116	0.0004	-2.5 to 2.5	Pass
				10	3.8	5.522	0.0021	-2.5 to 2.5	Pass

				30	3.8	-2.532	-0.0010	-2.5 to 2.5	Pass
				40	3.8	13.776	0.0052	-2.5 to 2.5	Pass
				50	3.8	5.794	0.0022	-2.5 to 2.5	Pass
16QAM	2550	50	0	20	3.5	4.334	0.0017	-2.5 to 2.5	Pass
					3.8	-1.473	-0.0006	-2.5 to 2.5	Pass
					4.35	10.242	0.0040	-2.5 to 2.5	Pass
				-30	3.8	12.202	0.0048	-2.5 to 2.5	Pass
				-20	3.8	6.423	0.0025	-2.5 to 2.5	Pass
				-10	3.8	17.066	0.0067	-2.5 to 2.5	Pass
				0	3.8	7.353	0.0029	-2.5 to 2.5	Pass
				10	3.8	8.540	0.0033	-2.5 to 2.5	Pass
				30	3.8	22.488	0.0088	-2.5 to 2.5	Pass
				40	3.8	23.532	0.0092	-2.5 to 2.5	Pass
				50	3.8	24.633	0.0097	-2.5 to 2.5	Pass
	2600	50	0	20	3.5	3.963	0.0015	-2.5 to 2.5	Pass
					3.8	4.334	0.0017	-2.5 to 2.5	Pass
					4.35	6.151	0.0024	-2.5 to 2.5	Pass
				-30	3.8	6.180	0.0024	-2.5 to 2.5	Pass
				-20	3.8	8.082	0.0031	-2.5 to 2.5	Pass
				-10	3.8	8.140	0.0031	-2.5 to 2.5	Pass
				0	3.8	7.596	0.0029	-2.5 to 2.5	Pass
				10	3.8	8.469	0.0033	-2.5 to 2.5	Pass
				30	3.8	7.811	0.0030	-2.5 to 2.5	Pass
				40	3.8	8.883	0.0034	-2.5 to 2.5	Pass
				50	3.8	8.125	0.0031	-2.5 to 2.5	Pass
	2650	50	0	20	3.5	13.490	0.0051	-2.5 to 2.5	Pass
					3.8	13.490	0.0051	-2.5 to 2.5	Pass
					4.35	30.041	0.0113	-2.5 to 2.5	Pass
				-30	3.8	29.182	0.0110	-2.5 to 2.5	Pass
				-20	3.8	25.721	0.0097	-2.5 to 2.5	Pass
				-10	3.8	21.172	0.0080	-2.5 to 2.5	Pass
				0	3.8	33.445	0.0126	-2.5 to 2.5	Pass
				10	3.8	34.690	0.0131	-2.5 to 2.5	Pass
				30	3.8	36.292	0.0137	-2.5 to 2.5	Pass
				40	3.8	40.054	0.0151	-2.5 to 2.5	Pass
				50	3.8	37.422	0.0141	-2.5 to 2.5	Pass

9.3 B41_15MHz

9.3.1 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	2552.5	75	0	20	3.5	-44.818	-0.0176	-2.5 to 2.5	Pass
					3.8	-43.187	-0.0169	-2.5 to 2.5	Pass
					4.35	-54.445	-0.0213	-2.5 to 2.5	Pass
				-30	3.8	-53.515	-0.0210	-2.5 to 2.5	Pass
				-20	3.8	-50.583	-0.0198	-2.5 to 2.5	Pass
				-10	3.8	-46.878	-0.0184	-2.5 to 2.5	Pass
				0	3.8	-41.027	-0.0161	-2.5 to 2.5	Pass
				10	3.8	-38.109	-0.0149	-2.5 to 2.5	Pass
				30	3.8	-33.431	-0.0131	-2.5 to 2.5	Pass
				40	3.8	-27.952	-0.0110	-2.5 to 2.5	Pass
				50	3.8	-23.632	-0.0093	-2.5 to 2.5	Pass
	2600	75	0	20	3.5	-41.571	-0.0160	-2.5 to 2.5	Pass
					3.8	-13.933	-0.0054	-2.5 to 2.5	Pass

					4.35	-14.462	-0.0056	-2.5 to 2.5	Pass
				-30	3.8	-12.388	-0.0048	-2.5 to 2.5	Pass
				-20	3.8	-10.972	-0.0042	-2.5 to 2.5	Pass
				-10	3.8	-7.753	-0.0030	-2.5 to 2.5	Pass
				0	3.8	-3.691	-0.0014	-2.5 to 2.5	Pass
				10	3.8	-1.016	-0.0004	-2.5 to 2.5	Pass
				30	3.8	1.631	0.0006	-2.5 to 2.5	Pass
				40	3.8	3.905	0.0015	-2.5 to 2.5	Pass
				50	3.8	8.583	0.0033	-2.5 to 2.5	Pass
					3.5	12.431	0.0047	-2.5 to 2.5	Pass
				20	3.8	-1.416	-0.0005	-2.5 to 2.5	Pass
					4.35	-0.429	-0.0002	-2.5 to 2.5	Pass
				-30	3.8	12.732	0.0048	-2.5 to 2.5	Pass
				-20	3.8	2.818	0.0011	-2.5 to 2.5	Pass
	2647.5	75	0	-10	3.8	17.109	0.0065	-2.5 to 2.5	Pass
				0	3.8	19.941	0.0075	-2.5 to 2.5	Pass
				10	3.8	23.232	0.0088	-2.5 to 2.5	Pass
				30	3.8	13.418	0.0051	-2.5 to 2.5	Pass
				40	3.8	17.853	0.0067	-2.5 to 2.5	Pass
				50	3.8	19.155	0.0072	-2.5 to 2.5	Pass
					3.5	-24.090	-0.0094	-2.5 to 2.5	Pass
				20	3.8	-14.691	-0.0058	-2.5 to 2.5	Pass
					4.35	-8.483	-0.0033	-2.5 to 2.5	Pass
				-30	3.8	-6.552	-0.0026	-2.5 to 2.5	Pass
				-20	3.8	-14.076	-0.0055	-2.5 to 2.5	Pass
	2552.5	75	0	-10	3.8	-3.004	-0.0012	-2.5 to 2.5	Pass
				0	3.8	-3.963	-0.0016	-2.5 to 2.5	Pass
				10	3.8	2.217	0.0009	-2.5 to 2.5	Pass
				30	3.8	4.721	0.0018	-2.5 to 2.5	Pass
				40	3.8	6.680	0.0026	-2.5 to 2.5	Pass
				50	3.8	7.696	0.0030	-2.5 to 2.5	Pass
					3.5	10.586	0.0041	-2.5 to 2.5	Pass
				20	3.8	12.174	0.0047	-2.5 to 2.5	Pass
					4.35	11.086	0.0043	-2.5 to 2.5	Pass
				-30	3.8	12.331	0.0047	-2.5 to 2.5	Pass
				-20	3.8	14.062	0.0054	-2.5 to 2.5	Pass
16QAM	2600	75	0	-10	3.8	13.161	0.0051	-2.5 to 2.5	Pass
				0	3.8	14.162	0.0054	-2.5 to 2.5	Pass
				10	3.8	13.933	0.0054	-2.5 to 2.5	Pass
				30	3.8	15.292	0.0059	-2.5 to 2.5	Pass
				40	3.8	14.906	0.0057	-2.5 to 2.5	Pass
				50	3.8	17.195	0.0066	-2.5 to 2.5	Pass
					3.5	34.347	0.0130	-2.5 to 2.5	Pass
				20	3.8	36.550	0.0138	-2.5 to 2.5	Pass
					4.35	38.824	0.0147	-2.5 to 2.5	Pass
				-30	3.8	35.534	0.0134	-2.5 to 2.5	Pass
				-20	3.8	41.971	0.0159	-2.5 to 2.5	Pass
	2647.5	75	0	-10	3.8	41.943	0.0158	-2.5 to 2.5	Pass
				0	3.8	29.097	0.0110	-2.5 to 2.5	Pass
				10	3.8	33.617	0.0127	-2.5 to 2.5	Pass
				30	3.8	44.189	0.0167	-2.5 to 2.5	Pass
				40	3.8	35.677	0.0135	-2.5 to 2.5	Pass
				50	3.8	44.332	0.0167	-2.5 to 2.5	Pass

9.4 B41_20MHz

9.4.1 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	2555	100	0	20	3.5	-11.115	-0.0044	-2.5 to 2.5	Pass
					3.8	-13.719	-0.0054	-2.5 to 2.5	Pass
					4.35	-28.639	-0.0112	-2.5 to 2.5	Pass
				-30	3.8	-14.591	-0.0057	-2.5 to 2.5	Pass
				-20	3.8	-24.805	-0.0097	-2.5 to 2.5	Pass
				-10	3.8	-6.924	-0.0027	-2.5 to 2.5	Pass
				0	3.8	-18.339	-0.0072	-2.5 to 2.5	Pass
				10	3.8	-15.535	-0.0061	-2.5 to 2.5	Pass
				30	3.8	-11.787	-0.0046	-2.5 to 2.5	Pass
				40	3.8	3.076	0.0012	-2.5 to 2.5	Pass
				50	3.8	5.236	0.0020	-2.5 to 2.5	Pass
	2600	100	0	20	3.5	4.892	0.0019	-2.5 to 2.5	Pass
					3.8	4.320	0.0017	-2.5 to 2.5	Pass
					4.35	9.699	0.0037	-2.5 to 2.5	Pass
				-30	3.8	16.208	0.0062	-2.5 to 2.5	Pass
				-20	3.8	23.618	0.0091	-2.5 to 2.5	Pass
				-10	3.8	29.168	0.0112	-2.5 to 2.5	Pass
				0	3.8	35.434	0.0136	-2.5 to 2.5	Pass
				10	3.8	40.870	0.0157	-2.5 to 2.5	Pass
				30	3.8	46.134	0.0177	-2.5 to 2.5	Pass
				40	3.8	49.667	0.0191	-2.5 to 2.5	Pass
				50	3.8	-9.713	-0.0037	-2.5 to 2.5	Pass
	2645	100	0	20	3.5	-37.866	-0.0143	-2.5 to 2.5	Pass
					3.8	-38.338	-0.0145	-2.5 to 2.5	Pass
					4.35	-32.487	-0.0123	-2.5 to 2.5	Pass
				-30	3.8	-31.171	-0.0118	-2.5 to 2.5	Pass
				-20	3.8	-29.039	-0.0110	-2.5 to 2.5	Pass
				-10	3.8	-20.528	-0.0078	-2.5 to 2.5	Pass
				0	3.8	-17.810	-0.0067	-2.5 to 2.5	Pass
				10	3.8	-15.707	-0.0059	-2.5 to 2.5	Pass
				30	3.8	-13.833	-0.0052	-2.5 to 2.5	Pass
				40	3.8	-8.912	-0.0034	-2.5 to 2.5	Pass
				50	3.8	-9.398	-0.0036	-2.5 to 2.5	Pass
16QAM	2555	100	0	20	3.5	7.782	0.0030	-2.5 to 2.5	Pass
					3.8	9.456	0.0037	-2.5 to 2.5	Pass
					4.35	1.488	0.0006	-2.5 to 2.5	Pass
				-30	3.8	4.964	0.0019	-2.5 to 2.5	Pass
				-20	3.8	8.469	0.0033	-2.5 to 2.5	Pass
				-10	3.8	11.358	0.0044	-2.5 to 2.5	Pass
				0	3.8	10.843	0.0042	-2.5 to 2.5	Pass
				10	3.8	0.687	0.0003	-2.5 to 2.5	Pass
				30	3.8	-0.329	-0.0001	-2.5 to 2.5	Pass
				40	3.8	1.373	0.0005	-2.5 to 2.5	Pass
				50	3.8	8.812	0.0034	-2.5 to 2.5	Pass
	2600	100	0	20	3.5	-6.809	-0.0026	-2.5 to 2.5	Pass
					3.8	-5.951	-0.0023	-2.5 to 2.5	Pass
					4.35	-4.048	-0.0016	-2.5 to 2.5	Pass
				-30	3.8	-0.730	-0.0003	-2.5 to 2.5	Pass
				-20	3.8	0.973	0.0004	-2.5 to 2.5	Pass
				-10	3.8	1.273	0.0005	-2.5 to 2.5	Pass
				0	3.8	2.933	0.0011	-2.5 to 2.5	Pass
				10	3.8	1.631	0.0006	-2.5 to 2.5	Pass
				30	3.8	2.174	0.0008	-2.5 to 2.5	Pass
				40	3.8	2.046	0.0008	-2.5 to 2.5	Pass
				50	3.8	1.545	0.0006	-2.5 to 2.5	Pass
	2645	100	0	20	3.5	-5.922	-0.0022	-2.5 to 2.5	Pass

					3.8	-3.333	-0.0013	-2.5 to 2.5	Pass
					4.35	-1.817	-0.0007	-2.5 to 2.5	Pass
				-30	3.8	-1.602	-0.0006	-2.5 to 2.5	Pass
				-20	3.8	-1.245	-0.0005	-2.5 to 2.5	Pass
				-10	3.8	-4.463	-0.0017	-2.5 to 2.5	Pass
				0	3.8	-5.736	-0.0022	-2.5 to 2.5	Pass
				10	3.8	-6.781	-0.0026	-2.5 to 2.5	Pass
				30	3.8	-5.307	-0.0020	-2.5 to 2.5	Pass
				40	3.8	-6.967	-0.0026	-2.5 to 2.5	Pass
				50	3.8	-7.925	-0.0030	-2.5 to 2.5	Pass

10. Frequency Stability

10.1 B66_1.4MHz

10.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.5	-12.217	-0.0071	-2.5 to 2.5	Pass
					3.8	-13.990	-0.0082	-2.5 to 2.5	Pass
					4.35	-14.534	-0.0085	-2.5 to 2.5	Pass
				-30	3.8	-14.462	-0.0085	-2.5 to 2.5	Pass
				-20	3.8	-14.277	-0.0083	-2.5 to 2.5	Pass
				-10	3.8	-13.089	-0.0077	-2.5 to 2.5	Pass
				0	3.8	-11.158	-0.0065	-2.5 to 2.5	Pass
				10	3.8	-10.629	-0.0062	-2.5 to 2.5	Pass
				30	3.8	-9.427	-0.0055	-2.5 to 2.5	Pass
				40	3.8	-7.868	-0.0046	-2.5 to 2.5	Pass
				50	3.8	-7.310	-0.0043	-2.5 to 2.5	Pass
	1745	6	0	20	3.5	1.159	0.0007	-2.5 to 2.5	Pass
					3.8	0.343	0.0002	-2.5 to 2.5	Pass
					4.35	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	3.8	-0.887	-0.0005	-2.5 to 2.5	Pass
				-20	3.8	0.916	0.0005	-2.5 to 2.5	Pass
				-10	3.8	0.486	0.0003	-2.5 to 2.5	Pass
				0	3.8	0.901	0.0005	-2.5 to 2.5	Pass
				10	3.8	0.415	0.0002	-2.5 to 2.5	Pass
				30	3.8	0.887	0.0005	-2.5 to 2.5	Pass
				40	3.8	0.386	0.0002	-2.5 to 2.5	Pass
				50	3.8	0.029	0.0000	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.5	-2.561	-0.0014	-2.5 to 2.5	Pass
					3.8	-5.450	-0.0031	-2.5 to 2.5	Pass
					4.35	-6.409	-0.0036	-2.5 to 2.5	Pass
				-30	3.8	-6.366	-0.0036	-2.5 to 2.5	Pass
				-20	3.8	-5.536	-0.0031	-2.5 to 2.5	Pass
				-10	3.8	-5.107	-0.0029	-2.5 to 2.5	Pass
				0	3.8	-4.706	-0.0026	-2.5 to 2.5	Pass
				10	3.8	-4.220	-0.0024	-2.5 to 2.5	Pass
				30	3.8	-3.433	-0.0019	-2.5 to 2.5	Pass
				40	3.8	-2.618	-0.0015	-2.5 to 2.5	Pass
				50	3.8	-2.232	-0.0013	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.5	-5.708	-0.0033	-2.5 to 2.5	Pass
					3.8	-4.420	-0.0026	-2.5 to 2.5	Pass
					4.35	-2.289	-0.0013	-2.5 to 2.5	Pass

				-30	3.8	-1.659	-0.0010	-2.5 to 2.5	Pass
				-20	3.8	-1.473	-0.0009	-2.5 to 2.5	Pass
				-10	3.8	-0.544	-0.0003	-2.5 to 2.5	Pass
				0	3.8	-0.114	-0.0001	-2.5 to 2.5	Pass
				10	3.8	-0.587	-0.0003	-2.5 to 2.5	Pass
				30	3.8	1.087	0.0006	-2.5 to 2.5	Pass
				40	3.8	0.615	0.0004	-2.5 to 2.5	Pass
				50	3.8	1.974	0.0012	-2.5 to 2.5	Pass
	1745	6	0	20	3.5	-0.715	-0.0004	-2.5 to 2.5	Pass
					3.8	-0.529	-0.0003	-2.5 to 2.5	Pass
					4.35	-0.114	-0.0001	-2.5 to 2.5	Pass
				-30	3.8	-0.372	-0.0002	-2.5 to 2.5	Pass
				-20	3.8	0.515	0.0003	-2.5 to 2.5	Pass
				-10	3.8	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.8	-0.801	-0.0005	-2.5 to 2.5	Pass
				10	3.8	-1.016	-0.0006	-2.5 to 2.5	Pass
				30	3.8	-1.445	-0.0008	-2.5 to 2.5	Pass
				40	3.8	-1.645	-0.0009	-2.5 to 2.5	Pass
				50	3.8	-1.845	-0.0011	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.5	-1.602	-0.0009	-2.5 to 2.5	Pass
					3.8	-0.887	-0.0005	-2.5 to 2.5	Pass
					4.35	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	3.8	-0.672	-0.0004	-2.5 to 2.5	Pass
				-20	3.8	0.443	0.0002	-2.5 to 2.5	Pass
				-10	3.8	-0.215	-0.0001	-2.5 to 2.5	Pass
				0	3.8	0.472	0.0003	-2.5 to 2.5	Pass
				10	3.8	1.402	0.0008	-2.5 to 2.5	Pass
				30	3.8	1.645	0.0009	-2.5 to 2.5	Pass
				40	3.8	1.459	0.0008	-2.5 to 2.5	Pass
				50	3.8	2.575	0.0014	-2.5 to 2.5	Pass

10.2 B66_3MHz

10.2.1 Test Result

Band: 66 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.5	-27.094	-0.0158	-2.5 to 2.5	Pass
					3.8	-26.951	-0.0157	-2.5 to 2.5	Pass
					4.35	-24.834	-0.0145	-2.5 to 2.5	Pass
				-30	3.8	-21.143	-0.0124	-2.5 to 2.5	Pass
				-20	3.8	-19.255	-0.0113	-2.5 to 2.5	Pass
				-10	3.8	-15.850	-0.0093	-2.5 to 2.5	Pass
				0	3.8	-14.377	-0.0084	-2.5 to 2.5	Pass
				10	3.8	-11.215	-0.0066	-2.5 to 2.5	Pass
				30	3.8	-7.367	-0.0043	-2.5 to 2.5	Pass
				40	3.8	-3.433	-0.0020	-2.5 to 2.5	Pass
				50	3.8	-0.987	-0.0006	-2.5 to 2.5	Pass
	1745	15	0	20	3.5	-9.842	-0.0056	-2.5 to 2.5	Pass
					3.8	-10.600	-0.0061	-2.5 to 2.5	Pass
					4.35	-10.171	-0.0058	-2.5 to 2.5	Pass
				-30	3.8	-9.384	-0.0054	-2.5 to 2.5	Pass
				-20	3.8	-9.284	-0.0053	-2.5 to 2.5	Pass
				-10	3.8	-9.313	-0.0053	-2.5 to 2.5	Pass
				0	3.8	-8.984	-0.0051	-2.5 to 2.5	Pass
				10	3.8	-8.183	-0.0047	-2.5 to 2.5	Pass

				30	3.8	-8.426	-0.0048	-2.5 to 2.5	Pass
				40	3.8	-7.567	-0.0043	-2.5 to 2.5	Pass
				50	3.8	-6.981	-0.0040	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.5	-22.845	-0.0128	-2.5 to 2.5	Pass
					3.8	-24.819	-0.0140	-2.5 to 2.5	Pass
					4.35	-25.606	-0.0144	-2.5 to 2.5	Pass
				-30	3.8	-24.633	-0.0139	-2.5 to 2.5	Pass
				-20	3.8	-24.676	-0.0139	-2.5 to 2.5	Pass
				-10	3.8	-23.575	-0.0133	-2.5 to 2.5	Pass
				0	3.8	-23.746	-0.0134	-2.5 to 2.5	Pass
				10	3.8	-22.688	-0.0128	-2.5 to 2.5	Pass
				30	3.8	-22.330	-0.0126	-2.5 to 2.5	Pass
				40	3.8	-22.101	-0.0124	-2.5 to 2.5	Pass
				50	3.8	-21.415	-0.0120	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.5	1.302	0.0008	-2.5 to 2.5	Pass
					3.8	4.063	0.0024	-2.5 to 2.5	Pass
					4.35	6.180	0.0036	-2.5 to 2.5	Pass
				-30	3.8	8.926	0.0052	-2.5 to 2.5	Pass
				-20	3.8	9.913	0.0058	-2.5 to 2.5	Pass
				-10	3.8	11.373	0.0066	-2.5 to 2.5	Pass
				0	3.8	12.746	0.0074	-2.5 to 2.5	Pass
				10	3.8	14.133	0.0083	-2.5 to 2.5	Pass
				30	3.8	15.006	0.0088	-2.5 to 2.5	Pass
				40	3.8	15.650	0.0091	-2.5 to 2.5	Pass
				50	3.8	17.352	0.0101	-2.5 to 2.5	Pass
	1745	15	0	20	3.5	-7.253	-0.0042	-2.5 to 2.5	Pass
					3.8	-6.652	-0.0038	-2.5 to 2.5	Pass
					4.35	-6.723	-0.0039	-2.5 to 2.5	Pass
				-30	3.8	-6.623	-0.0038	-2.5 to 2.5	Pass
				-20	3.8	-6.580	-0.0038	-2.5 to 2.5	Pass
				-10	3.8	-6.766	-0.0039	-2.5 to 2.5	Pass
				0	3.8	-6.909	-0.0040	-2.5 to 2.5	Pass
				10	3.8	-6.895	-0.0040	-2.5 to 2.5	Pass
				30	3.8	-7.510	-0.0043	-2.5 to 2.5	Pass
				40	3.8	-8.011	-0.0046	-2.5 to 2.5	Pass
				50	3.8	-7.939	-0.0045	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.5	-21.200	-0.0119	-2.5 to 2.5	Pass
					3.8	-20.142	-0.0113	-2.5 to 2.5	Pass
					4.35	-19.326	-0.0109	-2.5 to 2.5	Pass
				-30	3.8	-18.911	-0.0106	-2.5 to 2.5	Pass
				-20	3.8	-17.910	-0.0101	-2.5 to 2.5	Pass
				-10	3.8	-18.082	-0.0102	-2.5 to 2.5	Pass
				0	3.8	-17.953	-0.0101	-2.5 to 2.5	Pass
				10	3.8	-18.024	-0.0101	-2.5 to 2.5	Pass
				30	3.8	-17.753	-0.0100	-2.5 to 2.5	Pass
				40	3.8	-17.409	-0.0098	-2.5 to 2.5	Pass
				50	3.8	-17.424	-0.0098	-2.5 to 2.5	Pass

10.3 B66_5MHz

10.3.1 Test Result

Band: 66 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.5	-17.095	-0.0100	-2.5 to 2.5	Pass
					3.8	-20.070	-0.0117	-2.5 to 2.5	Pass

					4.35	-20.199	-0.0118	-2.5 to 2.5	Pass
				-30	3.8	-19.512	-0.0114	-2.5 to 2.5	Pass
				-20	3.8	-19.054	-0.0111	-2.5 to 2.5	Pass
				-10	3.8	-18.983	-0.0111	-2.5 to 2.5	Pass
				0	3.8	-18.024	-0.0105	-2.5 to 2.5	Pass
				10	3.8	-17.123	-0.0100	-2.5 to 2.5	Pass
				30	3.8	-16.294	-0.0095	-2.5 to 2.5	Pass
				40	3.8	-16.608	-0.0097	-2.5 to 2.5	Pass
				50	3.8	-15.907	-0.0093	-2.5 to 2.5	Pass
	1745	25	0	20	3.5	-5.879	-0.0034	-2.5 to 2.5	Pass
					3.8	-7.081	-0.0041	-2.5 to 2.5	Pass
					4.35	-7.539	-0.0043	-2.5 to 2.5	Pass
				-30	3.8	-8.068	-0.0046	-2.5 to 2.5	Pass
				-20	3.8	-8.068	-0.0046	-2.5 to 2.5	Pass
				-10	3.8	-8.297	-0.0048	-2.5 to 2.5	Pass
				0	3.8	-9.742	-0.0056	-2.5 to 2.5	Pass
				10	3.8	-9.298	-0.0053	-2.5 to 2.5	Pass
				30	3.8	-9.513	-0.0055	-2.5 to 2.5	Pass
				40	3.8	-9.055	-0.0052	-2.5 to 2.5	Pass
				50	3.8	-9.627	-0.0055	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.5	-20.857	-0.0117	-2.5 to 2.5	Pass
					3.8	-23.046	-0.0130	-2.5 to 2.5	Pass
					4.35	-22.874	-0.0129	-2.5 to 2.5	Pass
				-30	3.8	-23.060	-0.0130	-2.5 to 2.5	Pass
				-20	3.8	-22.717	-0.0128	-2.5 to 2.5	Pass
				-10	3.8	-22.545	-0.0127	-2.5 to 2.5	Pass
				0	3.8	-22.588	-0.0127	-2.5 to 2.5	Pass
				10	3.8	-22.187	-0.0125	-2.5 to 2.5	Pass
				30	3.8	-22.159	-0.0125	-2.5 to 2.5	Pass
				40	3.8	-21.172	-0.0119	-2.5 to 2.5	Pass
				50	3.8	-21.243	-0.0120	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.5	-15.364	-0.0090	-2.5 to 2.5	Pass
					3.8	-14.377	-0.0084	-2.5 to 2.5	Pass
					4.35	-13.776	-0.0080	-2.5 to 2.5	Pass
				-30	3.8	-13.375	-0.0078	-2.5 to 2.5	Pass
				-20	3.8	-12.846	-0.0075	-2.5 to 2.5	Pass
				-10	3.8	-12.517	-0.0073	-2.5 to 2.5	Pass
				0	3.8	-12.217	-0.0071	-2.5 to 2.5	Pass
				10	3.8	-12.388	-0.0072	-2.5 to 2.5	Pass
				30	3.8	-12.031	-0.0070	-2.5 to 2.5	Pass
				40	3.8	-11.387	-0.0066	-2.5 to 2.5	Pass
				50	3.8	-10.586	-0.0062	-2.5 to 2.5	Pass
	1745	25	0	20	3.5	-10.042	-0.0058	-2.5 to 2.5	Pass
					3.8	-9.642	-0.0055	-2.5 to 2.5	Pass
					4.35	-10.099	-0.0058	-2.5 to 2.5	Pass
				-30	3.8	-10.028	-0.0057	-2.5 to 2.5	Pass
				-20	3.8	-11.387	-0.0065	-2.5 to 2.5	Pass
				-10	3.8	-10.371	-0.0059	-2.5 to 2.5	Pass
				0	3.8	-10.543	-0.0060	-2.5 to 2.5	Pass
				10	3.8	-11.144	-0.0064	-2.5 to 2.5	Pass
				30	3.8	-11.501	-0.0066	-2.5 to 2.5	Pass
				40	3.8	-11.616	-0.0067	-2.5 to 2.5	Pass
				50	3.8	-12.188	-0.0070	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.5	-21.071	-0.0119	-2.5 to 2.5	Pass
					3.8	-20.084	-0.0113	-2.5 to 2.5	Pass
					4.35	-18.425	-0.0104	-2.5 to 2.5	Pass
				-30	3.8	-18.311	-0.0103	-2.5 to 2.5	Pass
				-20	3.8	-18.325	-0.0103	-2.5 to 2.5	Pass
				-10	3.8	-18.153	-0.0102	-2.5 to 2.5	Pass

				0	3.8	-17.896	-0.0101	-2.5 to 2.5	Pass
				10	3.8	-18.096	-0.0102	-2.5 to 2.5	Pass
				30	3.8	-17.710	-0.0100	-2.5 to 2.5	Pass
				40	3.8	-18.182	-0.0102	-2.5 to 2.5	Pass
				50	3.8	-17.738	-0.0100	-2.5 to 2.5	Pass

10.4 B66_10MHz

10.4.1 Test Result

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.5	-18.682	-0.0109	-2.5 to 2.5	Pass
					3.8	-21.071	-0.0123	-2.5 to 2.5	Pass
					4.35	-21.315	-0.0124	-2.5 to 2.5	Pass
				-30	3.8	-20.514	-0.0120	-2.5 to 2.5	Pass
				-20	3.8	-18.826	-0.0110	-2.5 to 2.5	Pass
				-10	3.8	-16.193	-0.0094	-2.5 to 2.5	Pass
				0	3.8	-14.820	-0.0086	-2.5 to 2.5	Pass
				10	3.8	-12.860	-0.0075	-2.5 to 2.5	Pass
				30	3.8	-11.601	-0.0068	-2.5 to 2.5	Pass
				40	3.8	-9.913	-0.0058	-2.5 to 2.5	Pass
				50	3.8	-7.925	-0.0046	-2.5 to 2.5	Pass
	1745	50	0	20	3.5	-11.258	-0.0065	-2.5 to 2.5	Pass
					3.8	-12.932	-0.0074	-2.5 to 2.5	Pass
					4.35	-10.057	-0.0058	-2.5 to 2.5	Pass
				-30	3.8	-7.510	-0.0043	-2.5 to 2.5	Pass
				-20	3.8	-4.878	-0.0028	-2.5 to 2.5	Pass
				-10	3.8	-1.159	-0.0007	-2.5 to 2.5	Pass
				0	3.8	1.874	0.0011	-2.5 to 2.5	Pass
				10	3.8	4.749	0.0027	-2.5 to 2.5	Pass
				30	3.8	6.552	0.0038	-2.5 to 2.5	Pass
				40	3.8	10.285	0.0059	-2.5 to 2.5	Pass
				50	3.8	12.102	0.0069	-2.5 to 2.5	Pass
	1775	50	0	20	3.5	-17.052	-0.0096	-2.5 to 2.5	Pass
					3.8	-19.326	-0.0109	-2.5 to 2.5	Pass
					4.35	-18.182	-0.0102	-2.5 to 2.5	Pass
				-30	3.8	-17.180	-0.0097	-2.5 to 2.5	Pass
				-20	3.8	-16.880	-0.0095	-2.5 to 2.5	Pass
				-10	3.8	-15.793	-0.0089	-2.5 to 2.5	Pass
				0	3.8	-14.420	-0.0081	-2.5 to 2.5	Pass
				10	3.8	-13.375	-0.0075	-2.5 to 2.5	Pass
				30	3.8	-12.445	-0.0070	-2.5 to 2.5	Pass
				40	3.8	-12.245	-0.0069	-2.5 to 2.5	Pass
				50	3.8	-9.928	-0.0056	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.5	-7.067	-0.0041	-2.5 to 2.5	Pass
					3.8	-4.978	-0.0029	-2.5 to 2.5	Pass
					4.35	-4.907	-0.0029	-2.5 to 2.5	Pass
				-30	3.8	-3.119	-0.0018	-2.5 to 2.5	Pass
				-20	3.8	-3.004	-0.0018	-2.5 to 2.5	Pass
				-10	3.8	-2.246	-0.0013	-2.5 to 2.5	Pass
				0	3.8	-2.103	-0.0012	-2.5 to 2.5	Pass
				10	3.8	-1.616	-0.0009	-2.5 to 2.5	Pass
				30	3.8	-0.830	-0.0005	-2.5 to 2.5	Pass
				40	3.8	0.129	0.0001	-2.5 to 2.5	Pass
				50	3.8	-0.358	-0.0002	-2.5 to 2.5	Pass

	1745	50	0	20	3.5	14.777	0.0085	-2.5 to 2.5	Pass
					3.8	16.823	0.0096	-2.5 to 2.5	Pass
					4.35	18.325	0.0105	-2.5 to 2.5	Pass
				-30	3.8	18.983	0.0109	-2.5 to 2.5	Pass
				-20	3.8	20.056	0.0115	-2.5 to 2.5	Pass
				-10	3.8	20.542	0.0118	-2.5 to 2.5	Pass
				0	3.8	21.257	0.0122	-2.5 to 2.5	Pass
				10	3.8	22.717	0.0130	-2.5 to 2.5	Pass
				30	3.8	22.974	0.0132	-2.5 to 2.5	Pass
				40	3.8	24.104	0.0138	-2.5 to 2.5	Pass
				50	3.8	24.261	0.0139	-2.5 to 2.5	Pass
	1775	50	0	20	3.5	-9.513	-0.0054	-2.5 to 2.5	Pass
					3.8	-7.668	-0.0043	-2.5 to 2.5	Pass
					4.35	-7.181	-0.0040	-2.5 to 2.5	Pass
				-30	3.8	-6.580	-0.0037	-2.5 to 2.5	Pass
				-20	3.8	-6.108	-0.0034	-2.5 to 2.5	Pass
				-10	3.8	-7.238	-0.0041	-2.5 to 2.5	Pass
				0	3.8	-6.680	-0.0038	-2.5 to 2.5	Pass
				10	3.8	-5.579	-0.0031	-2.5 to 2.5	Pass
				30	3.8	-6.180	-0.0035	-2.5 to 2.5	Pass
				40	3.8	-7.067	-0.0040	-2.5 to 2.5	Pass
				50	3.8	-6.423	-0.0036	-2.5 to 2.5	Pass

10.5 B66_15MHz

10.5.1 Test Result

Band: 66 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.5	-17.767	-0.0103	-2.5 to 2.5	Pass
					3.8	-0.644	-0.0004	-2.5 to 2.5	Pass
					4.35	-0.286	-0.0002	-2.5 to 2.5	Pass
				-30	3.8	0.873	0.0005	-2.5 to 2.5	Pass
				-20	3.8	2.089	0.0012	-2.5 to 2.5	Pass
				-10	3.8	3.791	0.0022	-2.5 to 2.5	Pass
				0	3.8	4.807	0.0028	-2.5 to 2.5	Pass
				10	3.8	6.094	0.0035	-2.5 to 2.5	Pass
				30	3.8	7.582	0.0044	-2.5 to 2.5	Pass
				40	3.8	8.512	0.0050	-2.5 to 2.5	Pass
				50	3.8	9.327	0.0054	-2.5 to 2.5	Pass
	1745	75	0	20	3.5	-23.704	-0.0136	-2.5 to 2.5	Pass
					3.8	-24.505	-0.0140	-2.5 to 2.5	Pass
					4.35	-24.476	-0.0140	-2.5 to 2.5	Pass
				-30	3.8	-24.791	-0.0142	-2.5 to 2.5	Pass
				-20	3.8	-24.405	-0.0140	-2.5 to 2.5	Pass
				-10	3.8	-24.147	-0.0138	-2.5 to 2.5	Pass
				0	3.8	-24.362	-0.0140	-2.5 to 2.5	Pass
				10	3.8	-24.805	-0.0142	-2.5 to 2.5	Pass
				30	3.8	-25.492	-0.0146	-2.5 to 2.5	Pass
				40	3.8	-26.050	-0.0149	-2.5 to 2.5	Pass
				50	3.8	-25.864	-0.0148	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.5	-30.499	-0.0172	-2.5 to 2.5	Pass
					3.8	-32.358	-0.0183	-2.5 to 2.5	Pass
					4.35	-32.201	-0.0182	-2.5 to 2.5	Pass
				-30	3.8	-31.786	-0.0179	-2.5 to 2.5	Pass
				-20	3.8	-30.627	-0.0173	-2.5 to 2.5	Pass

				-10	3.8	-29.712	-0.0168	-2.5 to 2.5	Pass
				0	3.8	-29.712	-0.0168	-2.5 to 2.5	Pass
				10	3.8	-28.296	-0.0160	-2.5 to 2.5	Pass
				30	3.8	-27.194	-0.0153	-2.5 to 2.5	Pass
				40	3.8	-26.937	-0.0152	-2.5 to 2.5	Pass
				50	3.8	-25.992	-0.0147	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.5	10.757	0.0063	-2.5 to 2.5	Pass
					3.8	12.245	0.0071	-2.5 to 2.5	Pass
					4.35	12.417	0.0072	-2.5 to 2.5	Pass
				-30	3.8	12.660	0.0074	-2.5 to 2.5	Pass
				-20	3.8	14.062	0.0082	-2.5 to 2.5	Pass
				-10	3.8	14.391	0.0084	-2.5 to 2.5	Pass
				0	3.8	15.206	0.0089	-2.5 to 2.5	Pass
				10	3.8	15.092	0.0088	-2.5 to 2.5	Pass
				30	3.8	14.291	0.0083	-2.5 to 2.5	Pass
				40	3.8	14.935	0.0087	-2.5 to 2.5	Pass
				50	3.8	14.548	0.0085	-2.5 to 2.5	Pass
	1745	75	0	20	3.5	-25.463	-0.0146	-2.5 to 2.5	Pass
					3.8	-25.635	-0.0147	-2.5 to 2.5	Pass
					4.35	-26.536	-0.0152	-2.5 to 2.5	Pass
				-30	3.8	-26.050	-0.0149	-2.5 to 2.5	Pass
				-20	3.8	-26.464	-0.0152	-2.5 to 2.5	Pass
				-10	3.8	-27.337	-0.0157	-2.5 to 2.5	Pass
				0	3.8	-27.323	-0.0157	-2.5 to 2.5	Pass
				10	3.8	-26.851	-0.0154	-2.5 to 2.5	Pass
				30	3.8	-27.795	-0.0159	-2.5 to 2.5	Pass
				40	3.8	-28.310	-0.0162	-2.5 to 2.5	Pass
				50	3.8	-28.396	-0.0163	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.5	-24.691	-0.0139	-2.5 to 2.5	Pass
					3.8	-24.047	-0.0136	-2.5 to 2.5	Pass
					4.35	-23.689	-0.0134	-2.5 to 2.5	Pass
				-30	3.8	-22.974	-0.0130	-2.5 to 2.5	Pass
				-20	3.8	-23.274	-0.0131	-2.5 to 2.5	Pass
				-10	3.8	-24.204	-0.0137	-2.5 to 2.5	Pass
				0	3.8	-22.388	-0.0126	-2.5 to 2.5	Pass
				10	3.8	-21.315	-0.0120	-2.5 to 2.5	Pass
				30	3.8	-20.728	-0.0117	-2.5 to 2.5	Pass
				40	3.8	-19.841	-0.0112	-2.5 to 2.5	Pass
				50	3.8	-19.183	-0.0108	-2.5 to 2.5	Pass

10.6 B66_20MHz

10.6.1 Test Result

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.5	-20.728	-0.0121	-2.5 to 2.5	Pass
					3.8	-21.615	-0.0126	-2.5 to 2.5	Pass
					4.35	-21.715	-0.0126	-2.5 to 2.5	Pass
				-30	3.8	-20.528	-0.0119	-2.5 to 2.5	Pass
				-20	3.8	-19.526	-0.0114	-2.5 to 2.5	Pass
				-10	3.8	-17.223	-0.0100	-2.5 to 2.5	Pass
				0	3.8	-15.578	-0.0091	-2.5 to 2.5	Pass
				10	3.8	-14.777	-0.0086	-2.5 to 2.5	Pass
				30	3.8	-13.075	-0.0076	-2.5 to 2.5	Pass
				40	3.8	-11.716	-0.0068	-2.5 to 2.5	Pass

				50	3.8	-11.816	-0.0069	-2.5 to 2.5	Pass
	1745	100	0	20	3.5	-10.700	-0.0061	-2.5 to 2.5	Pass
					3.8	-10.786	-0.0062	-2.5 to 2.5	Pass
					4.35	-11.215	-0.0064	-2.5 to 2.5	Pass
				-30	3.8	-12.131	-0.0070	-2.5 to 2.5	Pass
				-20	3.8	-11.487	-0.0066	-2.5 to 2.5	Pass
				-10	3.8	-11.802	-0.0068	-2.5 to 2.5	Pass
				0	3.8	-12.574	-0.0072	-2.5 to 2.5	Pass
				10	3.8	-12.245	-0.0070	-2.5 to 2.5	Pass
				30	3.8	-12.116	-0.0069	-2.5 to 2.5	Pass
				40	3.8	-12.703	-0.0073	-2.5 to 2.5	Pass
				50	3.8	-12.660	-0.0073	-2.5 to 2.5	Pass
	1770	100	0	20	3.5	-9.928	-0.0056	-2.5 to 2.5	Pass
					3.8	-10.886	-0.0062	-2.5 to 2.5	Pass
					4.35	-10.285	-0.0058	-2.5 to 2.5	Pass
				-30	3.8	-8.655	-0.0049	-2.5 to 2.5	Pass
				-20	3.8	-7.038	-0.0040	-2.5 to 2.5	Pass
				-10	3.8	-5.007	-0.0028	-2.5 to 2.5	Pass
				0	3.8	-3.376	-0.0019	-2.5 to 2.5	Pass
				10	3.8	-2.117	-0.0012	-2.5 to 2.5	Pass
				30	3.8	-1.502	-0.0008	-2.5 to 2.5	Pass
				40	3.8	0.243	0.0001	-2.5 to 2.5	Pass
				50	3.8	1.030	0.0006	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.5	-11.859	-0.0069	-2.5 to 2.5	Pass
					3.8	-11.215	-0.0065	-2.5 to 2.5	Pass
					4.35	-11.902	-0.0069	-2.5 to 2.5	Pass
				-30	3.8	-11.559	-0.0067	-2.5 to 2.5	Pass
				-20	3.8	-11.930	-0.0069	-2.5 to 2.5	Pass
				-10	3.8	-12.689	-0.0074	-2.5 to 2.5	Pass
				0	3.8	-13.118	-0.0076	-2.5 to 2.5	Pass
				10	3.8	-12.445	-0.0072	-2.5 to 2.5	Pass
				30	3.8	-12.059	-0.0070	-2.5 to 2.5	Pass
				40	3.8	-12.045	-0.0070	-2.5 to 2.5	Pass
				50	3.8	-12.031	-0.0070	-2.5 to 2.5	Pass
	1745	100	0	20	3.5	-12.503	-0.0072	-2.5 to 2.5	Pass
					3.8	-11.787	-0.0068	-2.5 to 2.5	Pass
					4.35	-12.403	-0.0071	-2.5 to 2.5	Pass
				-30	3.8	-13.590	-0.0078	-2.5 to 2.5	Pass
				-20	3.8	-12.746	-0.0073	-2.5 to 2.5	Pass
				-10	3.8	-12.860	-0.0074	-2.5 to 2.5	Pass
				0	3.8	-13.433	-0.0077	-2.5 to 2.5	Pass
				10	3.8	-13.661	-0.0078	-2.5 to 2.5	Pass
				30	3.8	-14.248	-0.0082	-2.5 to 2.5	Pass
				40	3.8	-12.145	-0.0070	-2.5 to 2.5	Pass
				50	3.8	-11.802	-0.0068	-2.5 to 2.5	Pass
	1770	100	0	20	3.5	1.860	0.0011	-2.5 to 2.5	Pass
					3.8	3.319	0.0019	-2.5 to 2.5	Pass
					4.35	2.303	0.0013	-2.5 to 2.5	Pass
				-30	3.8	1.516	0.0009	-2.5 to 2.5	Pass
				-20	3.8	0.515	0.0003	-2.5 to 2.5	Pass
				-10	3.8	0.257	0.0001	-2.5 to 2.5	Pass
				0	3.8	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.8	-0.229	-0.0001	-2.5 to 2.5	Pass
				30	3.8	-1.287	-0.0007	-2.5 to 2.5	Pass
				40	3.8	-0.887	-0.0005	-2.5 to 2.5	Pass
				50	3.8	-0.601	-0.0003	-2.5 to 2.5	Pass