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	-6.037	-0.0033	-2.5 to 2.5	Pass
					3.8	-4.520	-0.0024	-2.5 to 2.5	Pass
					4.35	-3.190	-0.0017	-2.5 to 2.5	Pass
				-30	3.8	-0.615	-0.0003	-2.5 to 2.5	Pass
				-20	3.8	5.751	0.0031	-2.5 to 2.5	Pass
				-10	3.8	9.627	0.0052	-2.5 to 2.5	Pass
				0	3.8	9.427	0.0051	-2.5 to 2.5	Pass
				10	3.8	13.289	0.0072	-2.5 to 2.5	Pass
				30	3.8	20.914	0.0113	-2.5 to 2.5	Pass
				40	3.8	26.422	0.0143	-2.5 to 2.5	Pass
				50	3.8	32.444	0.0175	-2.5 to 2.5	Pass
	1880	6	0	20	3.5	-14.048	-0.0075	-2.5 to 2.5	Pass
					3.8	-17.180	-0.0091	-2.5 to 2.5	Pass
					4.35	-12.932	-0.0069	-2.5 to 2.5	Pass
				-30	3.8	-9.127	-0.0049	-2.5 to 2.5	Pass
				-20	3.8	-5.050	-0.0027	-2.5 to 2.5	Pass
				-10	3.8	-1.316	-0.0007	-2.5 to 2.5	Pass
				0	3.8	3.133	0.0017	-2.5 to 2.5	Pass
				10	3.8	7.696	0.0041	-2.5 to 2.5	Pass
				30	3.8	11.129	0.0059	-2.5 to 2.5	Pass
				40	3.8	14.777	0.0079	-2.5 to 2.5	Pass
				50	3.8	18.854	0.0100	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.5	-21.029	-0.0110	-2.5 to 2.5	Pass
					3.8	-21.544	-0.0113	-2.5 to 2.5	Pass
					4.35	-18.368	-0.0096	-2.5 to 2.5	Pass
				-30	3.8	-14.076	-0.0074	-2.5 to 2.5	Pass
				-20	3.8	-9.127	-0.0048	-2.5 to 2.5	Pass
				-10	3.8	-4.907	-0.0026	-2.5 to 2.5	Pass
				0	3.8	-0.873	-0.0005	-2.5 to 2.5	Pass
				10	3.8	3.319	0.0017	-2.5 to 2.5	Pass
				30	3.8	8.140	0.0043	-2.5 to 2.5	Pass
				40	3.8	11.973	0.0063	-2.5 to 2.5	Pass
				50	3.8	16.766	0.0088	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.5	37.279	0.0201	-2.5 to 2.5	Pass
					3.8	42.658	0.0230	-2.5 to 2.5	Pass
					4.35	47.264	0.0255	-2.5 to 2.5	Pass
				-30	3.8	50.654	0.0274	-2.5 to 2.5	Pass
				-20	3.8	-8.497	-0.0046	-2.5 to 2.5	Pass
				-10	3.8	-5.422	-0.0029	-2.5 to 2.5	Pass
				0	3.8	-2.847	-0.0015	-2.5 to 2.5	Pass
				10	3.8	-1.073	-0.0006	-2.5 to 2.5	Pass
				30	3.8	2.074	0.0011	-2.5 to 2.5	Pass
				40	3.8	3.591	0.0019	-2.5 to 2.5	Pass
				50	3.8	5.336	0.0029	-2.5 to 2.5	Pass
	1880	6	0	20	3.5	23.117	0.0123	-2.5 to 2.5	Pass
					3.8	26.751	0.0142	-2.5 to 2.5	Pass
					4.35	30.427	0.0162	-2.5 to 2.5	Pass
				-30	3.8	34.146	0.0182	-2.5 to 2.5	Pass
				-20	3.8	37.808	0.0201	-2.5 to 2.5	Pass

				-10	3.8	2.804	0.0015	-2.5 to 2.5	Pass
				0	3.8	5.436	0.0029	-2.5 to 2.5	Pass
				10	3.8	8.497	0.0045	-2.5 to 2.5	Pass
				30	3.8	10.285	0.0055	-2.5 to 2.5	Pass
				40	3.8	11.873	0.0063	-2.5 to 2.5	Pass
				50	3.8	14.877	0.0079	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.5	20.456	0.0107	-2.5 to 2.5	Pass
					3.8	24.276	0.0127	-2.5 to 2.5	Pass
					4.35	28.424	0.0149	-2.5 to 2.5	Pass
				-30	3.8	31.071	0.0163	-2.5 to 2.5	Pass
				-20	3.8	33.975	0.0178	-2.5 to 2.5	Pass
				-10	3.8	36.879	0.0193	-2.5 to 2.5	Pass
				0	3.8	40.612	0.0213	-2.5 to 2.5	Pass
				10	3.8	42.729	0.0224	-2.5 to 2.5	Pass
				30	3.8	44.746	0.0234	-2.5 to 2.5	Pass
				40	3.8	47.321	0.0248	-2.5 to 2.5	Pass
				50	3.8	0.272	0.0001	-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	-8.197	-0.0044	-2.5 to 2.5	Pass
					3.8	-6.752	-0.0036	-2.5 to 2.5	Pass
					4.35	-3.576	-0.0019	-2.5 to 2.5	Pass
				-30	3.8	-0.272	-0.0001	-2.5 to 2.5	Pass
				-20	3.8	3.233	0.0017	-2.5 to 2.5	Pass
				-10	3.8	6.552	0.0035	-2.5 to 2.5	Pass
				0	3.8	11.559	0.0062	-2.5 to 2.5	Pass
				10	3.8	15.936	0.0086	-2.5 to 2.5	Pass
				30	3.8	19.927	0.0108	-2.5 to 2.5	Pass
				40	3.8	23.918	0.0129	-2.5 to 2.5	Pass
				50	3.8	27.094	0.0146	-2.5 to 2.5	Pass
	1880	15	0	20	3.5	-5.379	-0.0029	-2.5 to 2.5	Pass
					3.8	-12.474	-0.0066	-2.5 to 2.5	Pass
					4.35	-9.670	-0.0051	-2.5 to 2.5	Pass
				-30	3.8	-8.197	-0.0044	-2.5 to 2.5	Pass
				-20	3.8	-6.008	-0.0032	-2.5 to 2.5	Pass
				-10	3.8	-4.234	-0.0023	-2.5 to 2.5	Pass
				0	3.8	-0.958	-0.0005	-2.5 to 2.5	Pass
				10	3.8	2.031	0.0011	-2.5 to 2.5	Pass
				30	3.8	4.764	0.0025	-2.5 to 2.5	Pass
				40	3.8	7.081	0.0038	-2.5 to 2.5	Pass
				50	3.8	10.057	0.0053	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.5	-8.569	-0.0045	-2.5 to 2.5	Pass
					3.8	-11.072	-0.0058	-2.5 to 2.5	Pass
					4.35	-11.086	-0.0058	-2.5 to 2.5	Pass
				-30	3.8	-9.027	-0.0047	-2.5 to 2.5	Pass
				-20	3.8	-7.181	-0.0038	-2.5 to 2.5	Pass
				-10	3.8	-5.565	-0.0029	-2.5 to 2.5	Pass
				0	3.8	-3.819	-0.0020	-2.5 to 2.5	Pass
				10	3.8	-2.818	-0.0015	-2.5 to 2.5	Pass
				30	3.8	-0.415	-0.0002	-2.5 to 2.5	Pass
				40	3.8	1.087	0.0006	-2.5 to 2.5	Pass

				50	3.8	3.319	0.0017	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.5	31.300	0.0169	-2.5 to 2.5	Pass
					3.8	35.319	0.0191	-2.5 to 2.5	Pass
					4.35	37.079	0.0200	-2.5 to 2.5	Pass
				-30	3.8	40.669	0.0220	-2.5 to 2.5	Pass
				-20	3.8	43.917	0.0237	-2.5 to 2.5	Pass
				-10	3.8	46.535	0.0251	-2.5 to 2.5	Pass
				0	3.8	11.930	0.0064	-2.5 to 2.5	Pass
				10	3.8	13.504	0.0073	-2.5 to 2.5	Pass
				30	3.8	15.349	0.0083	-2.5 to 2.5	Pass
				40	3.8	18.182	0.0098	-2.5 to 2.5	Pass
				50	3.8	19.355	0.0105	-2.5 to 2.5	Pass
	1880	15	0	20	3.5	12.517	0.0067	-2.5 to 2.5	Pass
					3.8	15.464	0.0082	-2.5 to 2.5	Pass
					4.35	17.395	0.0093	-2.5 to 2.5	Pass
				-30	3.8	20.771	0.0110	-2.5 to 2.5	Pass
				-20	3.8	22.674	0.0121	-2.5 to 2.5	Pass
				-10	3.8	24.762	0.0132	-2.5 to 2.5	Pass
				0	3.8	27.137	0.0144	-2.5 to 2.5	Pass
				10	3.8	28.367	0.0151	-2.5 to 2.5	Pass
				30	3.8	30.112	0.0160	-2.5 to 2.5	Pass
				40	3.8	31.786	0.0169	-2.5 to 2.5	Pass
				50	3.8	32.988	0.0175	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.5	3.877	0.0020	-2.5 to 2.5	Pass
					3.8	5.522	0.0029	-2.5 to 2.5	Pass
					4.35	7.010	0.0037	-2.5 to 2.5	Pass
				-30	3.8	8.798	0.0046	-2.5 to 2.5	Pass
				-20	3.8	9.613	0.0050	-2.5 to 2.5	Pass
				-10	3.8	10.543	0.0055	-2.5 to 2.5	Pass
				0	3.8	11.759	0.0062	-2.5 to 2.5	Pass
				10	3.8	12.045	0.0063	-2.5 to 2.5	Pass
				30	3.8	13.576	0.0071	-2.5 to 2.5	Pass
				40	3.8	13.490	0.0071	-2.5 to 2.5	Pass
				50	3.8	13.475	0.0071	-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	-25.406	-0.0137	-2.5 to 2.5	Pass
					3.8	-28.424	-0.0153	-2.5 to 2.5	Pass
					4.35	-27.981	-0.0151	-2.5 to 2.5	Pass
				-30	3.8	-28.195	-0.0152	-2.5 to 2.5	Pass
				-20	3.8	-28.539	-0.0154	-2.5 to 2.5	Pass
				-10	3.8	-27.967	-0.0151	-2.5 to 2.5	Pass
				0	3.8	-26.493	-0.0143	-2.5 to 2.5	Pass
				10	3.8	-24.877	-0.0134	-2.5 to 2.5	Pass
				30	3.8	-24.219	-0.0131	-2.5 to 2.5	Pass
				40	3.8	-23.303	-0.0126	-2.5 to 2.5	Pass
				50	3.8	-23.389	-0.0126	-2.5 to 2.5	Pass
	1880	25	0	20	3.5	3.719	0.0020	-2.5 to 2.5	Pass
					3.8	0.629	0.0003	-2.5 to 2.5	Pass
					4.35	3.619	0.0019	-2.5 to 2.5	Pass
				-30	3.8	6.866	0.0037	-2.5 to 2.5	Pass

				-20	3.8	9.627	0.0051	-2.5 to 2.5	Pass
				-10	3.8	11.673	0.0062	-2.5 to 2.5	Pass
				0	3.8	13.433	0.0071	-2.5 to 2.5	Pass
				10	3.8	17.180	0.0091	-2.5 to 2.5	Pass
				30	3.8	20.485	0.0109	-2.5 to 2.5	Pass
				40	3.8	24.118	0.0128	-2.5 to 2.5	Pass
				50	3.8	26.779	0.0142	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.5	-21.687	-0.0114	-2.5 to 2.5	Pass
					3.8	-23.317	-0.0122	-2.5 to 2.5	Pass
					4.35	-21.429	-0.0112	-2.5 to 2.5	Pass
				-30	3.8	-19.526	-0.0102	-2.5 to 2.5	Pass
				-20	3.8	-18.654	-0.0098	-2.5 to 2.5	Pass
				-10	3.8	-16.851	-0.0088	-2.5 to 2.5	Pass
				0	3.8	-14.563	-0.0076	-2.5 to 2.5	Pass
				10	3.8	-12.560	-0.0066	-2.5 to 2.5	Pass
				30	3.8	-11.344	-0.0059	-2.5 to 2.5	Pass
				40	3.8	-9.670	-0.0051	-2.5 to 2.5	Pass
				50	3.8	-7.582	-0.0040	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.5	-21.486	-0.0116	-2.5 to 2.5	Pass
					3.8	-19.283	-0.0104	-2.5 to 2.5	Pass
					4.35	-17.738	-0.0096	-2.5 to 2.5	Pass
				-30	3.8	-17.567	-0.0095	-2.5 to 2.5	Pass
				-20	3.8	-15.864	-0.0086	-2.5 to 2.5	Pass
				-10	3.8	-14.806	-0.0080	-2.5 to 2.5	Pass
				0	3.8	-14.019	-0.0076	-2.5 to 2.5	Pass
				10	3.8	-12.989	-0.0070	-2.5 to 2.5	Pass
				30	3.8	-12.674	-0.0068	-2.5 to 2.5	Pass
				40	3.8	-11.716	-0.0063	-2.5 to 2.5	Pass
				50	3.8	-10.943	-0.0059	-2.5 to 2.5	Pass
	1880	25	0	20	3.5	30.241	0.0161	-2.5 to 2.5	Pass
					3.8	33.689	0.0179	-2.5 to 2.5	Pass
					4.35	35.892	0.0191	-2.5 to 2.5	Pass
				-30	3.8	37.494	0.0199	-2.5 to 2.5	Pass
				-20	3.8	38.753	0.0206	-2.5 to 2.5	Pass
				-10	3.8	41.986	0.0223	-2.5 to 2.5	Pass
				0	3.8	44.174	0.0235	-2.5 to 2.5	Pass
				10	3.8	45.919	0.0244	-2.5 to 2.5	Pass
				30	3.8	47.336	0.0252	-2.5 to 2.5	Pass
				40	3.8	48.423	0.0258	-2.5 to 2.5	Pass
				50	3.8	49.796	0.0265	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.5	-7.010	-0.0037	-2.5 to 2.5	Pass
					3.8	-4.306	-0.0023	-2.5 to 2.5	Pass
					4.35	-3.276	-0.0017	-2.5 to 2.5	Pass
				-30	3.8	-1.988	-0.0010	-2.5 to 2.5	Pass
				-20	3.8	-0.958	-0.0005	-2.5 to 2.5	Pass
				-10	3.8	-0.057	0.0000	-2.5 to 2.5	Pass
				0	3.8	0.658	0.0003	-2.5 to 2.5	Pass
				10	3.8	1.631	0.0009	-2.5 to 2.5	Pass
				30	3.8	2.246	0.0012	-2.5 to 2.5	Pass
				40	3.8	2.704	0.0014	-2.5 to 2.5	Pass
				50	3.8	4.163	0.0022	-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	-23.546	-0.0127	-2.5 to 2.5	Pass
					3.8	-26.665	-0.0144	-2.5 to 2.5	Pass
					4.35	-25.892	-0.0140	-2.5 to 2.5	Pass
				-30	3.8	-25.377	-0.0137	-2.5 to 2.5	Pass
				-20	3.8	-1.216	-0.0007	-2.5 to 2.5	Pass
				-10	3.8	-0.014	0.0000	-2.5 to 2.5	Pass
				0	3.8	5.021	0.0027	-2.5 to 2.5	Pass
				10	3.8	9.112	0.0049	-2.5 to 2.5	Pass
				30	3.8	15.378	0.0083	-2.5 to 2.5	Pass
				40	3.8	21.286	0.0115	-2.5 to 2.5	Pass
				50	3.8	27.466	0.0148	-2.5 to 2.5	Pass
	1880	50	0	20	3.5	-18.482	-0.0098	-2.5 to 2.5	Pass
					3.8	-19.183	-0.0102	-2.5 to 2.5	Pass
					4.35	-19.240	-0.0102	-2.5 to 2.5	Pass
				-30	3.8	-17.681	-0.0094	-2.5 to 2.5	Pass
				-20	3.8	-17.138	-0.0091	-2.5 to 2.5	Pass
				-10	3.8	-16.494	-0.0088	-2.5 to 2.5	Pass
				0	3.8	-15.793	-0.0084	-2.5 to 2.5	Pass
				10	3.8	-15.121	-0.0080	-2.5 to 2.5	Pass
				30	3.8	-14.791	-0.0079	-2.5 to 2.5	Pass
				40	3.8	-14.334	-0.0076	-2.5 to 2.5	Pass
				50	3.8	-13.719	-0.0073	-2.5 to 2.5	Pass
	1905	50	0	20	3.5	-42.558	-0.0223	-2.5 to 2.5	Pass
					3.8	-7.668	-0.0040	-2.5 to 2.5	Pass
					4.35	-6.881	-0.0036	-2.5 to 2.5	Pass
				-30	3.8	-4.635	-0.0024	-2.5 to 2.5	Pass
				-20	3.8	-2.317	-0.0012	-2.5 to 2.5	Pass
				-10	3.8	-0.415	-0.0002	-2.5 to 2.5	Pass
				0	3.8	0.787	0.0004	-2.5 to 2.5	Pass
				10	3.8	2.933	0.0015	-2.5 to 2.5	Pass
				30	3.8	5.293	0.0028	-2.5 to 2.5	Pass
				40	3.8	7.067	0.0037	-2.5 to 2.5	Pass
				50	3.8	9.012	0.0047	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	33.903	0.0183	-2.5 to 2.5	Pass
					3.85	39.010	0.0210	-2.5 to 2.5	Pass
					4.43	43.530	0.0235	-2.5 to 2.5	Pass
				-30	3.85	46.449	0.0250	-2.5 to 2.5	Pass
				-20	3.85	48.995	0.0264	-2.5 to 2.5	Pass
				-10	3.85	52.156	0.0281	-2.5 to 2.5	Pass
				0	3.85	54.889	0.0296	-2.5 to 2.5	Pass
				10	3.85	7.954	0.0043	-2.5 to 2.5	Pass
				30	3.85	9.341	0.0050	-2.5 to 2.5	Pass
				40	3.85	10.328	0.0056	-2.5 to 2.5	Pass
				50	3.85	11.244	0.0061	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	-13.375	-0.0071	-2.5 to 2.5	Pass
					3.85	-11.930	-0.0063	-2.5 to 2.5	Pass
					4.43	-11.601	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-11.573	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-11.587	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-10.786	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-10.972	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-11.201	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-10.285	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-10.314	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-10.586	-0.0056	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	11.687	0.0061	-2.5 to 2.5	Pass
					3.85	13.905	0.0073	-2.5 to 2.5	Pass

					4.43	14.877	0.0078	-2.5 to 2.5	Pass
				-30	3.85	14.377	0.0075	-2.5 to 2.5	Pass
				-20	3.85	14.162	0.0074	-2.5 to 2.5	Pass
				-10	3.85	15.879	0.0083	-2.5 to 2.5	Pass
				0	3.85	16.565	0.0087	-2.5 to 2.5	Pass
				10	3.85	17.824	0.0094	-2.5 to 2.5	Pass
				30	3.85	18.439	0.0097	-2.5 to 2.5	Pass
				40	3.85	19.455	0.0102	-2.5 to 2.5	Pass
				50	3.85	19.398	0.0102	-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	-17.724	-0.0095	-2.5 to 2.5	Pass
					3.8	-20.871	-0.0112	-2.5 to 2.5	Pass
					4.35	-20.199	-0.0109	-2.5 to 2.5	Pass
				-30	3.8	-19.770	-0.0106	-2.5 to 2.5	Pass
				-20	3.8	-19.040	-0.0103	-2.5 to 2.5	Pass
				-10	3.8	-17.939	-0.0097	-2.5 to 2.5	Pass
				0	3.8	-16.165	-0.0087	-2.5 to 2.5	Pass
				10	3.8	-14.606	-0.0079	-2.5 to 2.5	Pass
				30	3.8	-13.461	-0.0072	-2.5 to 2.5	Pass
				40	3.8	-12.188	-0.0066	-2.5 to 2.5	Pass
				50	3.8	-10.571	-0.0057	-2.5 to 2.5	Pass
	1880	75	0	20	3.5	12.503	0.0067	-2.5 to 2.5	Pass
					3.8	13.905	0.0074	-2.5 to 2.5	Pass
					4.35	15.464	0.0082	-2.5 to 2.5	Pass
				-30	3.8	17.524	0.0093	-2.5 to 2.5	Pass
				-20	3.8	19.240	0.0102	-2.5 to 2.5	Pass
				-10	3.8	19.813	0.0105	-2.5 to 2.5	Pass
				0	3.8	20.943	0.0111	-2.5 to 2.5	Pass
				10	3.8	21.386	0.0114	-2.5 to 2.5	Pass
				30	3.8	22.044	0.0117	-2.5 to 2.5	Pass
				40	3.8	23.303	0.0124	-2.5 to 2.5	Pass
				50	3.8	24.133	0.0128	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.5	-44.889	-0.0236	-2.5 to 2.5	Pass
					3.8	-44.861	-0.0236	-2.5 to 2.5	Pass
					4.35	-43.573	-0.0229	-2.5 to 2.5	Pass
				-30	3.8	-41.599	-0.0219	-2.5 to 2.5	Pass
				-20	3.8	-39.597	-0.0208	-2.5 to 2.5	Pass
				-10	3.8	-37.737	-0.0198	-2.5 to 2.5	Pass
				0	3.8	-36.292	-0.0191	-2.5 to 2.5	Pass
				10	3.8	-32.959	-0.0173	-2.5 to 2.5	Pass
				30	3.8	-30.627	-0.0161	-2.5 to 2.5	Pass
				40	3.8	-29.140	-0.0153	-2.5 to 2.5	Pass
				50	3.8	-28.167	-0.0148	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.5	-9.398	-0.0051	-2.5 to 2.5	Pass
					3.8	-6.909	-0.0037	-2.5 to 2.5	Pass
					4.35	-17.881	-0.0096	-2.5 to 2.5	Pass
				-30	3.8	-17.838	-0.0096	-2.5 to 2.5	Pass
				-20	3.8	-14.377	-0.0077	-2.5 to 2.5	Pass
				-10	3.8	-9.985	-0.0054	-2.5 to 2.5	Pass
				0	3.8	-6.995	-0.0038	-2.5 to 2.5	Pass

				10	3.8	-2.561	-0.0014	-2.5 to 2.5	Pass
				30	3.8	1.388	0.0007	-2.5 to 2.5	Pass
				40	3.8	3.905	0.0021	-2.5 to 2.5	Pass
				50	3.8	9.270	0.0050	-2.5 to 2.5	Pass
	1880	75	0	20	3.5	24.219	0.0129	-2.5 to 2.5	Pass
					3.8	25.778	0.0137	-2.5 to 2.5	Pass
					4.35	25.349	0.0135	-2.5 to 2.5	Pass
				-30	3.8	26.464	0.0141	-2.5 to 2.5	Pass
				-20	3.8	26.851	0.0143	-2.5 to 2.5	Pass
				-10	3.8	27.251	0.0145	-2.5 to 2.5	Pass
				0	3.8	-12.975	-0.0069	-2.5 to 2.5	Pass
				10	3.8	-16.093	-0.0086	-2.5 to 2.5	Pass
				30	3.8	-16.665	-0.0089	-2.5 to 2.5	Pass
				40	3.8	-16.065	-0.0085	-2.5 to 2.5	Pass
				50	3.8	-16.551	-0.0088	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.5	-25.864	-0.0136	-2.5 to 2.5	Pass
					3.8	-23.990	-0.0126	-2.5 to 2.5	Pass
					4.35	-23.389	-0.0123	-2.5 to 2.5	Pass
				-30	3.8	-22.445	-0.0118	-2.5 to 2.5	Pass
				-20	3.8	-22.001	-0.0116	-2.5 to 2.5	Pass
				-10	3.8	-22.202	-0.0117	-2.5 to 2.5	Pass
				0	3.8	-20.542	-0.0108	-2.5 to 2.5	Pass
				10	3.8	-19.813	-0.0104	-2.5 to 2.5	Pass
				30	3.8	-18.725	-0.0098	-2.5 to 2.5	Pass
				40	3.8	-18.754	-0.0099	-2.5 to 2.5	Pass
				50	3.8	-18.239	-0.0096	-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	-25.749	-0.0138	-2.5 to 2.5	Pass
					3.8	-29.812	-0.0160	-2.5 to 2.5	Pass
					4.35	-41.456	-0.0223	-2.5 to 2.5	Pass
				-30	3.8	-34.475	-0.0185	-2.5 to 2.5	Pass
				-20	3.8	-26.336	-0.0142	-2.5 to 2.5	Pass
				-10	3.8	-18.854	-0.0101	-2.5 to 2.5	Pass
				0	3.8	-11.315	-0.0061	-2.5 to 2.5	Pass
				10	3.8	-2.303	-0.0012	-2.5 to 2.5	Pass
				30	3.8	4.120	0.0022	-2.5 to 2.5	Pass
				40	3.8	10.171	0.0055	-2.5 to 2.5	Pass
				50	3.8	13.905	0.0075	-2.5 to 2.5	Pass
	1880	100	0	20	3.5	-54.803	-0.0292	-2.5 to 2.5	Pass
					3.8	-55.017	-0.0293	-2.5 to 2.5	Pass
					4.35	-54.474	-0.0290	-2.5 to 2.5	Pass
				-30	3.8	-54.045	-0.0287	-2.5 to 2.5	Pass
				-20	3.8	-53.287	-0.0283	-2.5 to 2.5	Pass
				-10	3.8	-52.400	-0.0279	-2.5 to 2.5	Pass
				0	3.8	-52.156	-0.0277	-2.5 to 2.5	Pass
				10	3.8	-51.813	-0.0276	-2.5 to 2.5	Pass
				30	3.8	-50.941	-0.0271	-2.5 to 2.5	Pass
				40	3.8	-51.012	-0.0271	-2.5 to 2.5	Pass
				50	3.8	-50.612	-0.0269	-2.5 to 2.5	Pass
	1900	100	0	20	3.5	-50.941	-0.0268	-2.5 to 2.5	Pass

					3.8	-51.727	-0.0272	-2.5 to 2.5	Pass
					4.35	-49.953	-0.0263	-2.5 to 2.5	Pass
				-30	3.8	-48.923	-0.0257	-2.5 to 2.5	Pass
				-20	3.8	-46.105	-0.0243	-2.5 to 2.5	Pass
				-10	3.8	-43.802	-0.0231	-2.5 to 2.5	Pass
				0	3.8	-41.757	-0.0220	-2.5 to 2.5	Pass
				10	3.8	-40.369	-0.0212	-2.5 to 2.5	Pass
				30	3.8	-37.808	-0.0199	-2.5 to 2.5	Pass
				40	3.8	-36.950	-0.0194	-2.5 to 2.5	Pass
				50	3.8	-35.791	-0.0188	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.5	18.697	0.0101	-2.5 to 2.5	Pass
					3.8	22.631	0.0122	-2.5 to 2.5	Pass
					4.35	24.433	0.0131	-2.5 to 2.5	Pass
				-30	3.8	25.878	0.0139	-2.5 to 2.5	Pass
				-20	3.8	27.108	0.0146	-2.5 to 2.5	Pass
				-10	3.8	28.067	0.0151	-2.5 to 2.5	Pass
				0	3.8	29.211	0.0157	-2.5 to 2.5	Pass
				10	3.8	29.826	0.0160	-2.5 to 2.5	Pass
				30	3.8	30.742	0.0165	-2.5 to 2.5	Pass
				40	3.8	31.543	0.0170	-2.5 to 2.5	Pass
				50	3.8	31.986	0.0172	-2.5 to 2.5	Pass
	1880	100	0	20	3.5	-49.253	-0.0262	-2.5 to 2.5	Pass
					3.8	-49.696	-0.0264	-2.5 to 2.5	Pass
					4.35	-49.767	-0.0265	-2.5 to 2.5	Pass
				-30	3.8	-49.081	-0.0261	-2.5 to 2.5	Pass
				-20	3.8	-49.839	-0.0265	-2.5 to 2.5	Pass
				-10	3.8	-49.610	-0.0264	-2.5 to 2.5	Pass
				0	3.8	-49.038	-0.0261	-2.5 to 2.5	Pass
				10	3.8	-49.210	-0.0262	-2.5 to 2.5	Pass
				30	3.8	-49.009	-0.0261	-2.5 to 2.5	Pass
				40	3.8	-48.022	-0.0255	-2.5 to 2.5	Pass
				50	3.8	-48.537	-0.0258	-2.5 to 2.5	Pass
	1900	100	0	20	3.5	-34.704	-0.0183	-2.5 to 2.5	Pass
					3.8	-33.588	-0.0177	-2.5 to 2.5	Pass
					4.35	-34.561	-0.0182	-2.5 to 2.5	Pass
				-30	3.8	-33.631	-0.0177	-2.5 to 2.5	Pass
				-20	3.8	-33.875	-0.0178	-2.5 to 2.5	Pass
				-10	3.8	-34.547	-0.0182	-2.5 to 2.5	Pass
				0	3.8	-33.860	-0.0178	-2.5 to 2.5	Pass
				10	3.8	-34.089	-0.0179	-2.5 to 2.5	Pass
				30	3.8	-34.146	-0.0180	-2.5 to 2.5	Pass
				40	3.8	-34.418	-0.0181	-2.5 to 2.5	Pass
				50	3.8	-34.776	-0.0183	-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	-23.518	-0.0137	-2.5 to 2.5	Pass
					3.8	-25.477	-0.0149	-2.5 to 2.5	Pass
					4.35	-24.319	-0.0142	-2.5 to 2.5	Pass
				-30	3.8	-21.329	-0.0125	-2.5 to 2.5	Pass
				-20	3.8	-19.398	-0.0113	-2.5 to 2.5	Pass
				-10	3.8	-17.095	-0.0100	-2.5 to 2.5	Pass
				0	3.8	-15.850	-0.0093	-2.5 to 2.5	Pass
				10	3.8	-13.375	-0.0078	-2.5 to 2.5	Pass
				30	3.8	-10.815	-0.0063	-2.5 to 2.5	Pass
				40	3.8	-9.542	-0.0056	-2.5 to 2.5	Pass
				50	3.8	-6.752	-0.0039	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.5	-1.245	-0.0007	-2.5 to 2.5	Pass
					3.8	-1.616	-0.0009	-2.5 to 2.5	Pass
					4.35	1.473	0.0009	-2.5 to 2.5	Pass
				-30	3.8	4.506	0.0026	-2.5 to 2.5	Pass
				-20	3.8	7.310	0.0042	-2.5 to 2.5	Pass
				-10	3.8	9.842	0.0057	-2.5 to 2.5	Pass
				0	3.8	11.358	0.0066	-2.5 to 2.5	Pass
				10	3.8	13.661	0.0079	-2.5 to 2.5	Pass
				30	3.8	16.823	0.0097	-2.5 to 2.5	Pass
				40	3.8	19.469	0.0112	-2.5 to 2.5	Pass
				50	3.8	22.445	0.0130	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.5	-1.044	-0.0006	-2.5 to 2.5	Pass
					3.8	-0.715	-0.0004	-2.5 to 2.5	Pass
					4.35	1.216	0.0007	-2.5 to 2.5	Pass
				-30	3.8	3.920	0.0022	-2.5 to 2.5	Pass
				-20	3.8	5.836	0.0033	-2.5 to 2.5	Pass
				-10	3.8	7.768	0.0044	-2.5 to 2.5	Pass
				0	3.8	9.785	0.0056	-2.5 to 2.5	Pass
				10	3.8	13.146	0.0075	-2.5 to 2.5	Pass
				30	3.8	15.650	0.0089	-2.5 to 2.5	Pass
				40	3.8	18.740	0.0107	-2.5 to 2.5	Pass
				50	3.8	20.542	0.0117	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.5	-3.834	-0.0022	-2.5 to 2.5	Pass
					3.8	-1.259	-0.0007	-2.5 to 2.5	Pass
					4.35	0.300	0.0002	-2.5 to 2.5	Pass
				-30	3.8	2.575	0.0015	-2.5 to 2.5	Pass
				-20	3.8	3.920	0.0023	-2.5 to 2.5	Pass
				-10	3.8	5.236	0.0031	-2.5 to 2.5	Pass
				0	3.8	6.537	0.0038	-2.5 to 2.5	Pass
				10	3.8	8.283	0.0048	-2.5 to 2.5	Pass
				30	3.8	9.499	0.0056	-2.5 to 2.5	Pass
				40	3.8	10.457	0.0061	-2.5 to 2.5	Pass
				50	3.8	11.058	0.0065	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.5	25.563	0.0148	-2.5 to 2.5	Pass
					3.8	27.637	0.0160	-2.5 to 2.5	Pass
					4.35	29.955	0.0173	-2.5 to 2.5	Pass

				-30	3.8	30.999	0.0179	-2.5 to 2.5	Pass
				-20	3.8	32.001	0.0185	-2.5 to 2.5	Pass
				-10	3.8	33.746	0.0195	-2.5 to 2.5	Pass
				0	3.8	34.733	0.0200	-2.5 to 2.5	Pass
				10	3.8	35.834	0.0207	-2.5 to 2.5	Pass
				30	3.8	36.836	0.0213	-2.5 to 2.5	Pass
				40	3.8	37.179	0.0215	-2.5 to 2.5	Pass
				50	3.8	37.394	0.0216	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.5	22.788	0.0130	-2.5 to 2.5	Pass
					3.8	25.463	0.0145	-2.5 to 2.5	Pass
					4.35	27.208	0.0155	-2.5 to 2.5	Pass
				-30	3.8	27.981	0.0159	-2.5 to 2.5	Pass
				-20	3.8	29.426	0.0168	-2.5 to 2.5	Pass
				-10	3.8	31.071	0.0177	-2.5 to 2.5	Pass
				0	3.8	31.557	0.0180	-2.5 to 2.5	Pass
				10	3.8	33.345	0.0190	-2.5 to 2.5	Pass
				30	3.8	34.132	0.0195	-2.5 to 2.5	Pass
				40	3.8	34.862	0.0199	-2.5 to 2.5	Pass
				50	3.8	35.706	0.0204	-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	-18.768	-0.0110	-2.5 to 2.5	Pass
					3.8	-18.024	-0.0105	-2.5 to 2.5	Pass
					4.35	-14.277	-0.0083	-2.5 to 2.5	Pass
				-30	3.8	-11.187	-0.0065	-2.5 to 2.5	Pass
				-20	3.8	-6.952	-0.0041	-2.5 to 2.5	Pass
				-10	3.8	-3.376	-0.0020	-2.5 to 2.5	Pass
				0	3.8	-0.329	-0.0002	-2.5 to 2.5	Pass
				10	3.8	3.605	0.0021	-2.5 to 2.5	Pass
				30	3.8	7.224	0.0042	-2.5 to 2.5	Pass
				40	3.8	11.086	0.0065	-2.5 to 2.5	Pass
				50	3.8	13.490	0.0079	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.5	-27.537	-0.0159	-2.5 to 2.5	Pass
					3.8	-28.710	-0.0166	-2.5 to 2.5	Pass
					4.35	-27.437	-0.0158	-2.5 to 2.5	Pass
				-30	3.8	-27.752	-0.0160	-2.5 to 2.5	Pass
				-20	3.8	-26.822	-0.0155	-2.5 to 2.5	Pass
				-10	3.8	-25.692	-0.0148	-2.5 to 2.5	Pass
				0	3.8	-24.233	-0.0140	-2.5 to 2.5	Pass
				10	3.8	-23.818	-0.0137	-2.5 to 2.5	Pass
				30	3.8	-24.204	-0.0140	-2.5 to 2.5	Pass
				40	3.8	-22.860	-0.0132	-2.5 to 2.5	Pass
				50	3.8	-21.286	-0.0123	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.5	-22.831	-0.0130	-2.5 to 2.5	Pass
					3.8	-22.130	-0.0126	-2.5 to 2.5	Pass
					4.35	-19.169	-0.0109	-2.5 to 2.5	Pass
				-30	3.8	-16.351	-0.0093	-2.5 to 2.5	Pass
				-20	3.8	-12.960	-0.0074	-2.5 to 2.5	Pass
				-10	3.8	-10.042	-0.0057	-2.5 to 2.5	Pass
				0	3.8	-7.010	-0.0040	-2.5 to 2.5	Pass
				10	3.8	-4.034	-0.0023	-2.5 to 2.5	Pass

				30	3.8	-0.873	-0.0005	-2.5 to 2.5	Pass
				40	3.8	1.845	0.0011	-2.5 to 2.5	Pass
				50	3.8	4.106	0.0023	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.5	17.610	0.0103	-2.5 to 2.5	Pass
					3.8	22.402	0.0131	-2.5 to 2.5	Pass
					4.35	24.719	0.0144	-2.5 to 2.5	Pass
				-30	3.8	27.366	0.0160	-2.5 to 2.5	Pass
				-20	3.8	29.569	0.0173	-2.5 to 2.5	Pass
				-10	3.8	31.857	0.0186	-2.5 to 2.5	Pass
				0	3.8	-4.091	-0.0024	-2.5 to 2.5	Pass
				10	3.8	-1.845	-0.0011	-2.5 to 2.5	Pass
				30	3.8	-0.243	-0.0001	-2.5 to 2.5	Pass
				40	3.8	1.502	0.0009	-2.5 to 2.5	Pass
				50	3.8	3.319	0.0019	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.5	-19.727	-0.0114	-2.5 to 2.5	Pass
					3.8	-19.469	-0.0112	-2.5 to 2.5	Pass
					4.35	-18.382	-0.0106	-2.5 to 2.5	Pass
				-30	3.8	-18.697	-0.0108	-2.5 to 2.5	Pass
				-20	3.8	-19.269	-0.0111	-2.5 to 2.5	Pass
				-10	3.8	-18.597	-0.0107	-2.5 to 2.5	Pass
				0	3.8	-18.067	-0.0104	-2.5 to 2.5	Pass
				10	3.8	-16.780	-0.0097	-2.5 to 2.5	Pass
				30	3.8	-17.266	-0.0100	-2.5 to 2.5	Pass
				40	3.8	-16.451	-0.0095	-2.5 to 2.5	Pass
				50	3.8	-17.281	-0.0100	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.5	9.570	0.0055	-2.5 to 2.5	Pass
					3.8	14.091	0.0080	-2.5 to 2.5	Pass
					4.35	17.595	0.0100	-2.5 to 2.5	Pass
				-30	3.8	20.070	0.0114	-2.5 to 2.5	Pass
				-20	3.8	21.944	0.0125	-2.5 to 2.5	Pass
				-10	3.8	24.061	0.0137	-2.5 to 2.5	Pass
				0	3.8	26.207	0.0149	-2.5 to 2.5	Pass
				10	3.8	27.480	0.0157	-2.5 to 2.5	Pass
				30	3.8	29.411	0.0168	-2.5 to 2.5	Pass
				40	3.8	30.899	0.0176	-2.5 to 2.5	Pass
				50	3.8	32.573	0.0186	-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	-22.116	-0.0129	-2.5 to 2.5	Pass
					3.8	-22.559	-0.0132	-2.5 to 2.5	Pass
					4.35	-21.772	-0.0127	-2.5 to 2.5	Pass
				-30	3.8	-20.413	-0.0119	-2.5 to 2.5	Pass
				-20	3.8	-18.682	-0.0109	-2.5 to 2.5	Pass
				-10	3.8	-15.650	-0.0091	-2.5 to 2.5	Pass
				0	3.8	-13.275	-0.0078	-2.5 to 2.5	Pass
				10	3.8	-9.856	-0.0058	-2.5 to 2.5	Pass
				30	3.8	-6.709	-0.0039	-2.5 to 2.5	Pass
				40	3.8	-4.306	-0.0025	-2.5 to 2.5	Pass
				50	3.8	-2.146	-0.0013	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.5	-5.422	-0.0031	-2.5 to 2.5	Pass
					3.8	-6.595	-0.0038	-2.5 to 2.5	Pass

					4.35	-6.480	-0.0037	-2.5 to 2.5	Pass
				-30	3.8	-5.264	-0.0030	-2.5 to 2.5	Pass
				-20	3.8	-5.150	-0.0030	-2.5 to 2.5	Pass
				-10	3.8	-5.250	-0.0030	-2.5 to 2.5	Pass
				0	3.8	-5.264	-0.0030	-2.5 to 2.5	Pass
				10	3.8	-5.050	-0.0029	-2.5 to 2.5	Pass
				30	3.8	-4.449	-0.0026	-2.5 to 2.5	Pass
				40	3.8	-4.063	-0.0023	-2.5 to 2.5	Pass
				50	3.8	-3.419	-0.0020	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.5	-13.347	-0.0076	-2.5 to 2.5	Pass
					3.8	-15.321	-0.0087	-2.5 to 2.5	Pass
					4.35	-14.906	-0.0085	-2.5 to 2.5	Pass
				-30	3.8	-14.734	-0.0084	-2.5 to 2.5	Pass
				-20	3.8	-13.690	-0.0078	-2.5 to 2.5	Pass
				-10	3.8	-13.561	-0.0077	-2.5 to 2.5	Pass
				0	3.8	-12.417	-0.0071	-2.5 to 2.5	Pass
				10	3.8	-12.317	-0.0070	-2.5 to 2.5	Pass
				30	3.8	-11.973	-0.0068	-2.5 to 2.5	Pass
				40	3.8	-11.272	-0.0064	-2.5 to 2.5	Pass
				50	3.8	-10.815	-0.0062	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.5	-0.544	-0.0003	-2.5 to 2.5	Pass
					3.8	2.689	0.0016	-2.5 to 2.5	Pass
					4.35	6.566	0.0038	-2.5 to 2.5	Pass
				-30	3.8	7.782	0.0045	-2.5 to 2.5	Pass
				-20	3.8	10.085	0.0059	-2.5 to 2.5	Pass
				-10	3.8	11.659	0.0068	-2.5 to 2.5	Pass
				0	3.8	12.159	0.0071	-2.5 to 2.5	Pass
				10	3.8	14.577	0.0085	-2.5 to 2.5	Pass
				30	3.8	15.635	0.0091	-2.5 to 2.5	Pass
				40	3.8	16.422	0.0096	-2.5 to 2.5	Pass
				50	3.8	17.538	0.0102	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.5	-2.189	-0.0013	-2.5 to 2.5	Pass
					3.8	-1.745	-0.0010	-2.5 to 2.5	Pass
					4.35	-1.731	-0.0010	-2.5 to 2.5	Pass
				-30	3.8	-1.945	-0.0011	-2.5 to 2.5	Pass
				-20	3.8	-1.473	-0.0009	-2.5 to 2.5	Pass
				-10	3.8	-1.316	-0.0008	-2.5 to 2.5	Pass
				0	3.8	-1.345	-0.0008	-2.5 to 2.5	Pass
				10	3.8	-1.316	-0.0008	-2.5 to 2.5	Pass
				30	3.8	-1.602	-0.0009	-2.5 to 2.5	Pass
				40	3.8	-0.129	-0.0001	-2.5 to 2.5	Pass
				50	3.8	0.243	0.0001	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.5	-10.700	-0.0061	-2.5 to 2.5	Pass
					3.8	-9.313	-0.0053	-2.5 to 2.5	Pass
					4.35	-9.770	-0.0056	-2.5 to 2.5	Pass
				-30	3.8	-8.383	-0.0048	-2.5 to 2.5	Pass
				-20	3.8	-7.854	-0.0045	-2.5 to 2.5	Pass
				-10	3.8	-7.410	-0.0042	-2.5 to 2.5	Pass
				0	3.8	-7.296	-0.0042	-2.5 to 2.5	Pass
				10	3.8	-6.652	-0.0038	-2.5 to 2.5	Pass
				30	3.8	-6.266	-0.0036	-2.5 to 2.5	Pass
				40	3.8	-5.808	-0.0033	-2.5 to 2.5	Pass
				50	3.8	-6.123	-0.0035	-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	-20.328	-0.0119	-2.5 to 2.5	Pass
					3.8	-18.954	-0.0111	-2.5 to 2.5	Pass
					4.35	-13.676	-0.0080	-2.5 to 2.5	Pass
				-30	3.8	-8.998	-0.0052	-2.5 to 2.5	Pass
				-20	3.8	-2.604	-0.0015	-2.5 to 2.5	Pass
				-10	3.8	2.818	0.0016	-2.5 to 2.5	Pass
				0	3.8	7.782	0.0045	-2.5 to 2.5	Pass
				10	3.8	11.330	0.0066	-2.5 to 2.5	Pass
				30	3.8	16.479	0.0096	-2.5 to 2.5	Pass
				40	3.8	21.043	0.0123	-2.5 to 2.5	Pass
				50	3.8	25.935	0.0151	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.5	-35.748	-0.0206	-2.5 to 2.5	Pass
					3.8	-37.479	-0.0216	-2.5 to 2.5	Pass
					4.35	-36.607	-0.0211	-2.5 to 2.5	Pass
				-30	3.8	-36.821	-0.0213	-2.5 to 2.5	Pass
				-20	3.8	-36.235	-0.0209	-2.5 to 2.5	Pass
				-10	3.8	-36.135	-0.0209	-2.5 to 2.5	Pass
				0	3.8	-35.563	-0.0205	-2.5 to 2.5	Pass
				10	3.8	-35.462	-0.0205	-2.5 to 2.5	Pass
				30	3.8	-35.377	-0.0204	-2.5 to 2.5	Pass
				40	3.8	-34.647	-0.0200	-2.5 to 2.5	Pass
				50	3.8	-35.033	-0.0202	-2.5 to 2.5	Pass
	1750	50	0	20	3.5	-1.030	-0.0006	-2.5 to 2.5	Pass
					3.8	-1.931	-0.0011	-2.5 to 2.5	Pass
					4.35	-1.359	-0.0008	-2.5 to 2.5	Pass
				-30	3.8	-0.429	-0.0002	-2.5 to 2.5	Pass
				-20	3.8	0.072	0.0000	-2.5 to 2.5	Pass
				-10	3.8	1.373	0.0008	-2.5 to 2.5	Pass
				0	3.8	2.618	0.0015	-2.5 to 2.5	Pass
				10	3.8	3.362	0.0019	-2.5 to 2.5	Pass
				30	3.8	4.048	0.0023	-2.5 to 2.5	Pass
				40	3.8	5.035	0.0029	-2.5 to 2.5	Pass
				50	3.8	6.065	0.0035	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.5	29.140	0.0170	-2.5 to 2.5	Pass
					3.8	18.296	0.0107	-2.5 to 2.5	Pass
					4.35	-2.503	-0.0015	-2.5 to 2.5	Pass
				-30	3.8	-0.215	-0.0001	-2.5 to 2.5	Pass
				-20	3.8	2.031	0.0012	-2.5 to 2.5	Pass
				-10	3.8	2.990	0.0017	-2.5 to 2.5	Pass
				0	3.8	4.821	0.0028	-2.5 to 2.5	Pass
				10	3.8	6.166	0.0036	-2.5 to 2.5	Pass
				30	3.8	7.038	0.0041	-2.5 to 2.5	Pass
				40	3.8	8.154	0.0048	-2.5 to 2.5	Pass
				50	3.8	9.599	0.0056	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.5	-33.917	-0.0196	-2.5 to 2.5	Pass
					3.8	-33.088	-0.0191	-2.5 to 2.5	Pass
					4.35	-33.202	-0.0192	-2.5 to 2.5	Pass
				-30	3.8	-32.816	-0.0189	-2.5 to 2.5	Pass
				-20	3.8	-32.129	-0.0185	-2.5 to 2.5	Pass
				-10	3.8	-30.899	-0.0178	-2.5 to 2.5	Pass
				0	3.8	-30.999	-0.0179	-2.5 to 2.5	Pass
				10	3.8	-30.642	-0.0177	-2.5 to 2.5	Pass
				30	3.8	-29.197	-0.0169	-2.5 to 2.5	Pass
				40	3.8	-28.453	-0.0164	-2.5 to 2.5	Pass
				50	3.8	-27.924	-0.0161	-2.5 to 2.5	Pass
	1750	50	0	20	3.5	7.796	0.0045	-2.5 to 2.5	Pass

					3.8	8.283	0.0047	-2.5 to 2.5	Pass
					4.35	8.726	0.0050	-2.5 to 2.5	Pass
				-30	3.8	8.726	0.0050	-2.5 to 2.5	Pass
				-20	3.8	8.240	0.0047	-2.5 to 2.5	Pass
				-10	3.8	7.925	0.0045	-2.5 to 2.5	Pass
				0	3.8	7.839	0.0045	-2.5 to 2.5	Pass
				10	3.8	7.696	0.0044	-2.5 to 2.5	Pass
				30	3.8	8.025	0.0046	-2.5 to 2.5	Pass
				40	3.8	7.238	0.0041	-2.5 to 2.5	Pass
				50	3.8	7.510	0.0043	-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	-5.322	-0.0031	-2.5 to 2.5	Pass
					3.8	-4.735	-0.0028	-2.5 to 2.5	Pass
					4.35	-0.873	-0.0005	-2.5 to 2.5	Pass
				-30	3.8	3.018	0.0018	-2.5 to 2.5	Pass
				-20	3.8	7.210	0.0042	-2.5 to 2.5	Pass
				-10	3.8	10.815	0.0063	-2.5 to 2.5	Pass
				0	3.8	14.062	0.0082	-2.5 to 2.5	Pass
				10	3.8	17.996	0.0105	-2.5 to 2.5	Pass
				30	3.8	23.017	0.0134	-2.5 to 2.5	Pass
				40	3.8	25.735	0.0150	-2.5 to 2.5	Pass
				50	3.8	28.968	0.0169	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.5	0.358	0.0002	-2.5 to 2.5	Pass
					3.8	0.057	0.0000	-2.5 to 2.5	Pass
					4.35	1.273	0.0007	-2.5 to 2.5	Pass
				-30	3.8	2.303	0.0013	-2.5 to 2.5	Pass
				-20	3.8	3.004	0.0017	-2.5 to 2.5	Pass
				-10	3.8	3.548	0.0020	-2.5 to 2.5	Pass
				0	3.8	4.191	0.0024	-2.5 to 2.5	Pass
				10	3.8	4.277	0.0025	-2.5 to 2.5	Pass
				30	3.8	4.034	0.0023	-2.5 to 2.5	Pass
				40	3.8	5.236	0.0030	-2.5 to 2.5	Pass
				50	3.8	5.736	0.0033	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.5	-4.277	-0.0024	-2.5 to 2.5	Pass
					3.8	-1.903	-0.0011	-2.5 to 2.5	Pass
					4.35	2.789	0.0016	-2.5 to 2.5	Pass
				-30	3.8	7.081	0.0041	-2.5 to 2.5	Pass
				-20	3.8	11.315	0.0065	-2.5 to 2.5	Pass
				-10	3.8	16.279	0.0093	-2.5 to 2.5	Pass
				0	3.8	20.270	0.0116	-2.5 to 2.5	Pass
				10	3.8	24.390	0.0140	-2.5 to 2.5	Pass
				30	3.8	28.110	0.0161	-2.5 to 2.5	Pass
				40	3.8	30.885	0.0177	-2.5 to 2.5	Pass
				50	3.8	34.132	0.0195	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.5	32.144	0.0187	-2.5 to 2.5	Pass
					3.8	34.962	0.0204	-2.5 to 2.5	Pass
					4.35	36.864	0.0215	-2.5 to 2.5	Pass
				-30	3.8	37.622	0.0219	-2.5 to 2.5	Pass
				-20	3.8	39.225	0.0228	-2.5 to 2.5	Pass
				-10	3.8	39.954	0.0233	-2.5 to 2.5	Pass

				0	3.8	41.170	0.0240	-2.5 to 2.5	Pass
				10	3.8	41.857	0.0244	-2.5 to 2.5	Pass
				30	3.8	42.129	0.0245	-2.5 to 2.5	Pass
				40	3.8	43.545	0.0254	-2.5 to 2.5	Pass
				50	3.8	43.387	0.0253	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.5	7.181	0.0041	-2.5 to 2.5	Pass
					3.8	7.281	0.0042	-2.5 to 2.5	Pass
					4.35	7.467	0.0043	-2.5 to 2.5	Pass
				-30	3.8	8.054	0.0046	-2.5 to 2.5	Pass
				-20	3.8	7.954	0.0046	-2.5 to 2.5	Pass
				-10	3.8	7.811	0.0045	-2.5 to 2.5	Pass
				0	3.8	8.154	0.0047	-2.5 to 2.5	Pass
				10	3.8	8.626	0.0050	-2.5 to 2.5	Pass
				30	3.8	9.370	0.0054	-2.5 to 2.5	Pass
				40	3.8	8.998	0.0052	-2.5 to 2.5	Pass
				50	3.8	8.841	0.0051	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.5	38.309	0.0219	-2.5 to 2.5	Pass
					3.8	41.842	0.0239	-2.5 to 2.5	Pass
					4.35	6.909	0.0040	-2.5 to 2.5	Pass
				-30	3.8	8.683	0.0050	-2.5 to 2.5	Pass
				-20	3.8	10.242	0.0059	-2.5 to 2.5	Pass
				-10	3.8	11.187	0.0064	-2.5 to 2.5	Pass
				0	3.8	13.032	0.0075	-2.5 to 2.5	Pass
				10	3.8	15.192	0.0087	-2.5 to 2.5	Pass
				30	3.8	16.665	0.0095	-2.5 to 2.5	Pass
				40	3.8	16.837	0.0096	-2.5 to 2.5	Pass
				50	3.8	18.339	0.0105	-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	0.229	0.0001	-2.5 to 2.5	Pass
					3.8	5.207	0.0030	-2.5 to 2.5	Pass
					4.35	11.086	0.0064	-2.5 to 2.5	Pass
				-30	3.8	17.681	0.0103	-2.5 to 2.5	Pass
				-20	3.8	23.375	0.0136	-2.5 to 2.5	Pass
				-10	3.8	29.469	0.0171	-2.5 to 2.5	Pass
				0	3.8	34.690	0.0202	-2.5 to 2.5	Pass
				10	3.8	39.668	0.0231	-2.5 to 2.5	Pass
				30	3.8	21.529	0.0125	-2.5 to 2.5	Pass
				40	3.8	9.127	0.0053	-2.5 to 2.5	Pass
				50	3.8	11.301	0.0066	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.5	-8.869	-0.0051	-2.5 to 2.5	Pass
					3.8	-10.128	-0.0058	-2.5 to 2.5	Pass
					4.35	-10.986	-0.0063	-2.5 to 2.5	Pass
				-30	3.8	-10.772	-0.0062	-2.5 to 2.5	Pass
				-20	3.8	-11.315	-0.0065	-2.5 to 2.5	Pass
				-10	3.8	-10.986	-0.0063	-2.5 to 2.5	Pass
				0	3.8	-11.415	-0.0066	-2.5 to 2.5	Pass
				10	3.8	-10.142	-0.0059	-2.5 to 2.5	Pass
				30	3.8	-9.613	-0.0055	-2.5 to 2.5	Pass
				40	3.8	-8.512	-0.0049	-2.5 to 2.5	Pass
				50	3.8	-8.712	-0.0050	-2.5 to 2.5	Pass

	1745	100	0	20	3.5	-5.322	-0.0030	-2.5 to 2.5	Pass
					3.8	-4.478	-0.0026	-2.5 to 2.5	Pass
					4.35	0.658	0.0004	-2.5 to 2.5	Pass
				-30	3.8	5.522	0.0032	-2.5 to 2.5	Pass
				-20	3.8	11.230	0.0064	-2.5 to 2.5	Pass
				-10	3.8	16.265	0.0093	-2.5 to 2.5	Pass
				0	3.8	20.084	0.0115	-2.5 to 2.5	Pass
				10	3.8	24.376	0.0140	-2.5 to 2.5	Pass
				30	3.8	27.838	0.0160	-2.5 to 2.5	Pass
				40	3.8	29.783	0.0171	-2.5 to 2.5	Pass
				50	3.8	31.657	0.0181	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.5	13.433	0.0078	-2.5 to 2.5	Pass
					3.8	15.163	0.0088	-2.5 to 2.5	Pass
					4.35	16.751	0.0097	-2.5 to 2.5	Pass
				-30	3.8	17.352	0.0101	-2.5 to 2.5	Pass
				-20	3.8	17.710	0.0103	-2.5 to 2.5	Pass
				-10	3.8	18.268	0.0106	-2.5 to 2.5	Pass
				0	3.8	18.482	0.0107	-2.5 to 2.5	Pass
				10	3.8	18.053	0.0105	-2.5 to 2.5	Pass
				30	3.8	19.083	0.0111	-2.5 to 2.5	Pass
				40	3.8	19.183	0.0112	-2.5 to 2.5	Pass
				50	3.8	19.455	0.0113	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.5	-8.140	-0.0047	-2.5 to 2.5	Pass
					3.8	-8.011	-0.0046	-2.5 to 2.5	Pass
					4.35	-7.896	-0.0046	-2.5 to 2.5	Pass
				-30	3.8	-8.283	-0.0048	-2.5 to 2.5	Pass
				-20	3.8	-7.911	-0.0046	-2.5 to 2.5	Pass
				-10	3.8	-8.526	-0.0049	-2.5 to 2.5	Pass
				0	3.8	-8.726	-0.0050	-2.5 to 2.5	Pass
				10	3.8	-8.655	-0.0050	-2.5 to 2.5	Pass
				30	3.8	-8.340	-0.0048	-2.5 to 2.5	Pass
				40	3.8	-8.712	-0.0050	-2.5 to 2.5	Pass
				50	3.8	-8.769	-0.0051	-2.5 to 2.5	Pass
	1745	100	0	20	3.5	33.717	0.0193	-2.5 to 2.5	Pass
					3.8	36.163	0.0207	-2.5 to 2.5	Pass
					4.35	36.750	0.0211	-2.5 to 2.5	Pass
				-30	3.8	37.208	0.0213	-2.5 to 2.5	Pass
				-20	3.8	37.866	0.0217	-2.5 to 2.5	Pass
				-10	3.8	37.994	0.0218	-2.5 to 2.5	Pass
				0	3.8	38.338	0.0220	-2.5 to 2.5	Pass
				10	3.8	38.953	0.0223	-2.5 to 2.5	Pass
				30	3.8	38.724	0.0222	-2.5 to 2.5	Pass
				40	3.8	40.512	0.0232	-2.5 to 2.5	Pass
				50	3.8	41.885	0.0240	-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	-5.379	-0.0021	-2.5 to 2.5	Pass
					3.8	-3.090	-0.0012	-2.5 to 2.5	Pass
					4.35	1.302	0.0005	-2.5 to 2.5	Pass
				-30	3.8	6.137	0.0025	-2.5 to 2.5	Pass
				-20	3.8	9.913	0.0040	-2.5 to 2.5	Pass
				-10	3.8	15.335	0.0061	-2.5 to 2.5	Pass
				0	3.8	20.685	0.0083	-2.5 to 2.5	Pass
				10	3.8	25.005	0.0100	-2.5 to 2.5	Pass
				30	3.8	29.898	0.0119	-2.5 to 2.5	Pass
				40	3.8	35.248	0.0141	-2.5 to 2.5	Pass
				50	3.8	38.996	0.0156	-2.5 to 2.5	Pass
	2535	25	0	20	3.5	-40.913	-0.0161	-2.5 to 2.5	Pass
					3.8	-40.627	-0.0160	-2.5 to 2.5	Pass
					4.35	-40.441	-0.0160	-2.5 to 2.5	Pass
				-30	3.8	-40.083	-0.0158	-2.5 to 2.5	Pass
				-20	3.8	-39.654	-0.0156	-2.5 to 2.5	Pass
				-10	3.8	-38.681	-0.0153	-2.5 to 2.5	Pass
				0	3.8	-38.466	-0.0152	-2.5 to 2.5	Pass
				10	3.8	-36.407	-0.0144	-2.5 to 2.5	Pass
				30	3.8	-34.747	-0.0137	-2.5 to 2.5	Pass
				40	3.8	-35.892	-0.0142	-2.5 to 2.5	Pass
				50	3.8	-32.244	-0.0127	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.5	-4.878	-0.0019	-2.5 to 2.5	Pass
					3.8	-6.337	-0.0025	-2.5 to 2.5	Pass
					4.35	-6.795	-0.0026	-2.5 to 2.5	Pass
				-30	3.8	-6.194	-0.0024	-2.5 to 2.5	Pass
				-20	3.8	-6.309	-0.0025	-2.5 to 2.5	Pass
				-10	3.8	-4.764	-0.0019	-2.5 to 2.5	Pass
				0	3.8	-2.460	-0.0010	-2.5 to 2.5	Pass
				10	3.8	0.801	0.0003	-2.5 to 2.5	Pass
				30	3.8	2.232	0.0009	-2.5 to 2.5	Pass
				40	3.8	4.520	0.0018	-2.5 to 2.5	Pass
				50	3.8	7.882	0.0031	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.5	44.174	0.0177	-2.5 to 2.5	Pass
					3.8	46.878	0.0187	-2.5 to 2.5	Pass
					4.35	52.142	0.0208	-2.5 to 2.5	Pass
				-30	3.8	54.445	0.0218	-2.5 to 2.5	Pass
				-20	3.8	20.885	0.0083	-2.5 to 2.5	Pass
				-10	3.8	23.246	0.0093	-2.5 to 2.5	Pass
				0	3.8	26.808	0.0107	-2.5 to 2.5	Pass
				10	3.8	29.025	0.0116	-2.5 to 2.5	Pass
				30	3.8	32.058	0.0128	-2.5 to 2.5	Pass
				40	3.8	33.102	0.0132	-2.5 to 2.5	Pass
				50	3.8	35.205	0.0141	-2.5 to 2.5	Pass
	2535	25	0	20	3.5	-30.270	-0.0119	-2.5 to 2.5	Pass
					3.8	-28.653	-0.0113	-2.5 to 2.5	Pass
					4.35	-27.695	-0.0109	-2.5 to 2.5	Pass
				-30	3.8	-25.263	-0.0100	-2.5 to 2.5	Pass
				-20	3.8	-24.619	-0.0097	-2.5 to 2.5	Pass

				-10	3.8	-23.761	-0.0094	-2.5 to 2.5	Pass
				0	3.8	-23.632	-0.0093	-2.5 to 2.5	Pass
				10	3.8	-23.074	-0.0091	-2.5 to 2.5	Pass
				30	3.8	-21.901	-0.0086	-2.5 to 2.5	Pass
				40	3.8	-22.345	-0.0088	-2.5 to 2.5	Pass
				50	3.8	-22.030	-0.0087	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.5	10.343	0.0040	-2.5 to 2.5	Pass
					3.8	12.317	0.0048	-2.5 to 2.5	Pass
					4.35	15.564	0.0061	-2.5 to 2.5	Pass
				-30	3.8	16.150	0.0063	-2.5 to 2.5	Pass
				-20	3.8	17.266	0.0067	-2.5 to 2.5	Pass
				-10	3.8	18.353	0.0071	-2.5 to 2.5	Pass
				0	3.8	19.469	0.0076	-2.5 to 2.5	Pass
				10	3.8	21.200	0.0083	-2.5 to 2.5	Pass
				30	3.8	21.143	0.0082	-2.5 to 2.5	Pass
				40	3.8	22.516	0.0088	-2.5 to 2.5	Pass
				50	3.8	23.847	0.0093	-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	-26.779	-0.0107	-2.5 to 2.5	Pass
					3.8	-32.458	-0.0130	-2.5 to 2.5	Pass
					4.35	-33.517	-0.0134	-2.5 to 2.5	Pass
				-30	3.8	-34.275	-0.0137	-2.5 to 2.5	Pass
				-20	3.8	-33.760	-0.0135	-2.5 to 2.5	Pass
				-10	3.8	-31.686	-0.0126	-2.5 to 2.5	Pass
				0	3.8	-30.885	-0.0123	-2.5 to 2.5	Pass
				10	3.8	-28.853	-0.0115	-2.5 to 2.5	Pass
				30	3.8	-28.210	-0.0113	-2.5 to 2.5	Pass
				40	3.8	-27.695	-0.0111	-2.5 to 2.5	Pass
				50	3.8	-25.806	-0.0103	-2.5 to 2.5	Pass
	2535	50	0	20	3.5	-38.738	-0.0153	-2.5 to 2.5	Pass
					3.8	-39.983	-0.0158	-2.5 to 2.5	Pass
					4.35	-41.213	-0.0163	-2.5 to 2.5	Pass
				-30	3.8	-41.542	-0.0164	-2.5 to 2.5	Pass
				-20	3.8	-36.035	-0.0142	-2.5 to 2.5	Pass
				-10	3.8	-35.176	-0.0139	-2.5 to 2.5	Pass
				0	3.8	-34.647	-0.0137	-2.5 to 2.5	Pass
				10	3.8	-33.259	-0.0131	-2.5 to 2.5	Pass
				30	3.8	-32.802	-0.0129	-2.5 to 2.5	Pass
				40	3.8	-31.886	-0.0126	-2.5 to 2.5	Pass
				50	3.8	-30.756	-0.0121	-2.5 to 2.5	Pass
	2565	50	0	20	3.5	-11.587	-0.0045	-2.5 to 2.5	Pass
					3.8	-13.661	-0.0053	-2.5 to 2.5	Pass
					4.35	-9.212	-0.0036	-2.5 to 2.5	Pass
				-30	3.8	-2.403	-0.0009	-2.5 to 2.5	Pass
				-20	3.8	6.595	0.0026	-2.5 to 2.5	Pass
				-10	3.8	17.281	0.0067	-2.5 to 2.5	Pass
				0	3.8	28.381	0.0111	-2.5 to 2.5	Pass
				10	3.8	36.521	0.0142	-2.5 to 2.5	Pass
				30	3.8	46.291	0.0180	-2.5 to 2.5	Pass
				40	3.8	18.597	0.0073	-2.5 to 2.5	Pass

				50	3.8	24.533	0.0096	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.5	-25.406	-0.0101	-2.5 to 2.5	Pass
					3.8	-25.005	-0.0100	-2.5 to 2.5	Pass
					4.35	-24.619	-0.0098	-2.5 to 2.5	Pass
				-30	3.8	-23.804	-0.0095	-2.5 to 2.5	Pass
				-20	3.8	-25.005	-0.0100	-2.5 to 2.5	Pass
				-10	3.8	-24.948	-0.0100	-2.5 to 2.5	Pass
				0	3.8	-25.163	-0.0100	-2.5 to 2.5	Pass
				10	3.8	-25.449	-0.0102	-2.5 to 2.5	Pass
				30	3.8	-25.578	-0.0102	-2.5 to 2.5	Pass
				40	3.8	-25.978	-0.0104	-2.5 to 2.5	Pass
				50	3.8	-24.347	-0.0097	-2.5 to 2.5	Pass
	2535	50	0	20	3.5	-30.141	-0.0119	-2.5 to 2.5	Pass
					3.8	-28.954	-0.0114	-2.5 to 2.5	Pass
					4.35	-28.181	-0.0111	-2.5 to 2.5	Pass
				-30	3.8	-28.224	-0.0111	-2.5 to 2.5	Pass
				-20	3.8	-28.639	-0.0113	-2.5 to 2.5	Pass
				-10	3.8	-29.240	-0.0115	-2.5 to 2.5	Pass
				0	3.8	-29.125	-0.0115	-2.5 to 2.5	Pass
				10	3.8	-29.669	-0.0117	-2.5 to 2.5	Pass
				30	3.8	-29.783	-0.0117	-2.5 to 2.5	Pass
				40	3.8	-29.497	-0.0116	-2.5 to 2.5	Pass
				50	3.8	-30.184	-0.0119	-2.5 to 2.5	Pass
	2565	50	0	20	3.5	31.071	0.0121	-2.5 to 2.5	Pass
					3.8	38.724	0.0151	-2.5 to 2.5	Pass
					4.35	43.130	0.0168	-2.5 to 2.5	Pass
				-30	3.8	47.479	0.0185	-2.5 to 2.5	Pass
				-20	3.8	50.254	0.0196	-2.5 to 2.5	Pass
				-10	3.8	-8.740	-0.0034	-2.5 to 2.5	Pass
				0	3.8	-7.524	-0.0029	-2.5 to 2.5	Pass
				10	3.8	-4.191	-0.0016	-2.5 to 2.5	Pass
				30	3.8	-2.975	-0.0012	-2.5 to 2.5	Pass
				40	3.8	-0.286	-0.0001	-2.5 to 2.5	Pass
				50	3.8	0.472	0.0002	-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	-32.930	-0.0131	-2.5 to 2.5	Pass
					3.8	-38.838	-0.0155	-2.5 to 2.5	Pass
					4.35	-39.654	-0.0158	-2.5 to 2.5	Pass
				-30	3.8	-39.539	-0.0158	-2.5 to 2.5	Pass
				-20	3.8	-38.080	-0.0152	-2.5 to 2.5	Pass
				-10	3.8	-36.850	-0.0147	-2.5 to 2.5	Pass
				0	3.8	-34.261	-0.0137	-2.5 to 2.5	Pass
				10	3.8	-33.245	-0.0133	-2.5 to 2.5	Pass
				30	3.8	-30.713	-0.0122	-2.5 to 2.5	Pass
				40	3.8	-28.725	-0.0115	-2.5 to 2.5	Pass
				50	3.8	-27.308	-0.0109	-2.5 to 2.5	Pass
	2535	75	0	20	3.5	-38.395	-0.0151	-2.5 to 2.5	Pass
					3.8	-40.340	-0.0159	-2.5 to 2.5	Pass
					4.35	-39.210	-0.0155	-2.5 to 2.5	Pass
				-30	3.8	-37.837	-0.0149	-2.5 to 2.5	Pass

				-20	3.8	-36.535	-0.0144	-2.5 to 2.5	Pass
				-10	3.8	-35.491	-0.0140	-2.5 to 2.5	Pass
				0	3.8	-33.660	-0.0133	-2.5 to 2.5	Pass
				10	3.8	-32.759	-0.0129	-2.5 to 2.5	Pass
				30	3.8	-30.813	-0.0122	-2.5 to 2.5	Pass
				40	3.8	-30.227	-0.0119	-2.5 to 2.5	Pass
				50	3.8	-28.310	-0.0112	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.5	-49.911	-0.0195	-2.5 to 2.5	Pass
					3.8	-42.429	-0.0166	-2.5 to 2.5	Pass
					4.35	-12.574	-0.0049	-2.5 to 2.5	Pass
				-30	3.8	-10.929	-0.0043	-2.5 to 2.5	Pass
				-20	3.8	-7.296	-0.0028	-2.5 to 2.5	Pass
				-10	3.8	-4.191	-0.0016	-2.5 to 2.5	Pass
				0	3.8	-0.529	-0.0002	-2.5 to 2.5	Pass
				10	3.8	2.646	0.0010	-2.5 to 2.5	Pass
				30	3.8	4.835	0.0019	-2.5 to 2.5	Pass
				40	3.8	7.839	0.0031	-2.5 to 2.5	Pass
				50	3.8	10.386	0.0041	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.5	-24.519	-0.0098	-2.5 to 2.5	Pass
					3.8	-22.831	-0.0091	-2.5 to 2.5	Pass
					4.35	-21.758	-0.0087	-2.5 to 2.5	Pass
				-30	3.8	-20.385	-0.0081	-2.5 to 2.5	Pass
				-20	3.8	-19.956	-0.0080	-2.5 to 2.5	Pass
				-10	3.8	-19.956	-0.0080	-2.5 to 2.5	Pass
				0	3.8	-18.382	-0.0073	-2.5 to 2.5	Pass
				10	3.8	-17.681	-0.0071	-2.5 to 2.5	Pass
				30	3.8	-17.338	-0.0069	-2.5 to 2.5	Pass
				40	3.8	-16.866	-0.0067	-2.5 to 2.5	Pass
				50	3.8	-16.408	-0.0065	-2.5 to 2.5	Pass
	2535	75	0	20	3.5	-28.653	-0.0113	-2.5 to 2.5	Pass
					3.8	-25.434	-0.0100	-2.5 to 2.5	Pass
					4.35	-22.058	-0.0087	-2.5 to 2.5	Pass
				-30	3.8	-21.214	-0.0084	-2.5 to 2.5	Pass
				-20	3.8	-20.113	-0.0079	-2.5 to 2.5	Pass
				-10	3.8	-18.811	-0.0074	-2.5 to 2.5	Pass
				0	3.8	-16.866	-0.0067	-2.5 to 2.5	Pass
				10	3.8	-16.422	-0.0065	-2.5 to 2.5	Pass
				30	3.8	-15.836	-0.0062	-2.5 to 2.5	Pass
				40	3.8	-15.135	-0.0060	-2.5 to 2.5	Pass
				50	3.8	-15.635	-0.0062	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.5	11.415	0.0045	-2.5 to 2.5	Pass
					3.8	13.776	0.0054	-2.5 to 2.5	Pass
					4.35	14.620	0.0057	-2.5 to 2.5	Pass
				-30	3.8	15.421	0.0060	-2.5 to 2.5	Pass
				-20	3.8	15.492	0.0060	-2.5 to 2.5	Pass
				-10	3.8	16.551	0.0065	-2.5 to 2.5	Pass
				0	3.8	16.723	0.0065	-2.5 to 2.5	Pass
				10	3.8	16.279	0.0064	-2.5 to 2.5	Pass
				30	3.8	17.095	0.0067	-2.5 to 2.5	Pass
				40	3.8	16.966	0.0066	-2.5 to 2.5	Pass
				50	3.8	18.196	0.0071	-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	-31.972	-0.0127	-2.5 to 2.5	Pass
					3.8	-37.522	-0.0149	-2.5 to 2.5	Pass
					4.35	-38.023	-0.0151	-2.5 to 2.5	Pass
				-30	3.8	-37.465	-0.0149	-2.5 to 2.5	Pass
				-20	3.8	-37.422	-0.0149	-2.5 to 2.5	Pass
				-10	3.8	-35.305	-0.0141	-2.5 to 2.5	Pass
				0	3.8	-35.505	-0.0141	-2.5 to 2.5	Pass
				10	3.8	-32.859	-0.0131	-2.5 to 2.5	Pass
				30	3.8	-31.428	-0.0125	-2.5 to 2.5	Pass
				40	3.8	-31.028	-0.0124	-2.5 to 2.5	Pass
				50	3.8	-28.696	-0.0114	-2.5 to 2.5	Pass
	2535	100	0	20	3.5	-18.182	-0.0072	-2.5 to 2.5	Pass
					3.8	-18.697	-0.0074	-2.5 to 2.5	Pass
					4.35	-18.468	-0.0073	-2.5 to 2.5	Pass
				-30	3.8	-16.193	-0.0064	-2.5 to 2.5	Pass
				-20	3.8	-14.048	-0.0055	-2.5 to 2.5	Pass
				-10	3.8	-12.717	-0.0050	-2.5 to 2.5	Pass
				0	3.8	-10.629	-0.0042	-2.5 to 2.5	Pass
				10	3.8	-8.898	-0.0035	-2.5 to 2.5	Pass
				30	3.8	-6.852	-0.0027	-2.5 to 2.5	Pass
				40	3.8	-6.452	-0.0025	-2.5 to 2.5	Pass
				50	3.8	-2.718	-0.0011	-2.5 to 2.5	Pass
	2560	100	0	20	3.5	-21.400	-0.0084	-2.5 to 2.5	Pass
					3.8	-23.661	-0.0092	-2.5 to 2.5	Pass
					4.35	-22.230	-0.0087	-2.5 to 2.5	Pass
				-30	3.8	-20.814	-0.0081	-2.5 to 2.5	Pass
				-20	3.8	-17.023	-0.0066	-2.5 to 2.5	Pass
				-10	3.8	-13.862	-0.0054	-2.5 to 2.5	Pass
				0	3.8	-10.943	-0.0043	-2.5 to 2.5	Pass
				10	3.8	-7.982	-0.0031	-2.5 to 2.5	Pass
				30	3.8	-6.466	-0.0025	-2.5 to 2.5	Pass
				40	3.8	-4.334	-0.0017	-2.5 to 2.5	Pass
				50	3.8	-1.988	-0.0008	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.5	-27.351	-0.0109	-2.5 to 2.5	Pass
					3.8	-27.065	-0.0108	-2.5 to 2.5	Pass
					4.35	-26.479	-0.0105	-2.5 to 2.5	Pass
				-30	3.8	-25.334	-0.0101	-2.5 to 2.5	Pass
				-20	3.8	-26.207	-0.0104	-2.5 to 2.5	Pass
				-10	3.8	-26.436	-0.0105	-2.5 to 2.5	Pass
				0	3.8	-26.164	-0.0104	-2.5 to 2.5	Pass
				10	3.8	-24.920	-0.0099	-2.5 to 2.5	Pass
				30	3.8	-24.948	-0.0099	-2.5 to 2.5	Pass
				40	3.8	-25.163	-0.0100	-2.5 to 2.5	Pass
				50	3.8	-25.077	-0.0100	-2.5 to 2.5	Pass
	2535	100	0	20	3.5	-1.016	-0.0004	-2.5 to 2.5	Pass
					3.8	1.502	0.0006	-2.5 to 2.5	Pass
					4.35	0.958	0.0004	-2.5 to 2.5	Pass
				-30	3.8	2.046	0.0008	-2.5 to 2.5	Pass
				-20	3.8	2.947	0.0012	-2.5 to 2.5	Pass
				-10	3.8	1.245	0.0005	-2.5 to 2.5	Pass
				0	3.8	0.758	0.0003	-2.5 to 2.5	Pass
				10	3.8	-0.830	-0.0003	-2.5 to 2.5	Pass
				30	3.8	-1.059	-0.0004	-2.5 to 2.5	Pass
				40	3.8	-0.701	-0.0003	-2.5 to 2.5	Pass
				50	3.8	-1.888	-0.0007	-2.5 to 2.5	Pass
	2560	100	0	20	3.5	0.329	0.0001	-2.5 to 2.5	Pass

					3.8	2.375	0.0009	-2.5 to 2.5	Pass
					4.35	2.861	0.0011	-2.5 to 2.5	Pass
				-30	3.8	3.505	0.0014	-2.5 to 2.5	Pass
				-20	3.8	3.562	0.0014	-2.5 to 2.5	Pass
				-10	3.8	4.320	0.0017	-2.5 to 2.5	Pass
				0	3.8	4.249	0.0017	-2.5 to 2.5	Pass
				10	3.8	3.047	0.0012	-2.5 to 2.5	Pass
				30	3.8	4.320	0.0017	-2.5 to 2.5	Pass
				40	3.8	5.794	0.0023	-2.5 to 2.5	Pass
				50	3.8	5.736	0.0022	-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	-17.238	-0.0246	-2.5 to 2.5	Pass
					3.8	-17.509	-0.0250	-2.5 to 2.5	Pass
					4.35	-16.222	-0.0232	-2.5 to 2.5	Pass
				-30	3.8	-15.020	-0.0215	-2.5 to 2.5	Pass
				-20	3.8	-13.347	-0.0191	-2.5 to 2.5	Pass
				-10	3.8	-11.816	-0.0169	-2.5 to 2.5	Pass
				0	3.8	-10.457	-0.0149	-2.5 to 2.5	Pass
				10	3.8	-8.984	-0.0128	-2.5 to 2.5	Pass
				30	3.8	-7.539	-0.0108	-2.5 to 2.5	Pass
				40	3.8	-6.309	-0.0090	-2.5 to 2.5	Pass
				50	3.8	-4.964	-0.0071	-2.5 to 2.5	Pass
	707.5	6	0	20	3.5	-6.666	-0.0094	-2.5 to 2.5	Pass
					3.8	-7.639	-0.0108	-2.5 to 2.5	Pass
					4.35	-6.537	-0.0092	-2.5 to 2.5	Pass
				-30	3.8	-5.579	-0.0079	-2.5 to 2.5	Pass
				-20	3.8	-4.277	-0.0060	-2.5 to 2.5	Pass
				-10	3.8	-3.347	-0.0047	-2.5 to 2.5	Pass
				0	3.8	-2.089	-0.0030	-2.5 to 2.5	Pass
				10	3.8	-0.372	-0.0005	-2.5 to 2.5	Pass
				30	3.8	0.873	0.0012	-2.5 to 2.5	Pass
				40	3.8	2.332	0.0033	-2.5 to 2.5	Pass
				50	3.8	3.691	0.0052	-2.5 to 2.5	Pass
	715.3	6	0	20	3.5	-4.306	-0.0060	-2.5 to 2.5	Pass
					3.8	-4.377	-0.0061	-2.5 to 2.5	Pass
					4.35	-4.005	-0.0056	-2.5 to 2.5	Pass
				-30	3.8	-2.217	-0.0031	-2.5 to 2.5	Pass
				-20	3.8	-0.801	-0.0011	-2.5 to 2.5	Pass
				-10	3.8	1.059	0.0015	-2.5 to 2.5	Pass
				0	3.8	2.389	0.0033	-2.5 to 2.5	Pass
				10	3.8	4.077	0.0057	-2.5 to 2.5	Pass
				30	3.8	5.107	0.0071	-2.5 to 2.5	Pass
				40	3.8	7.210	0.0101	-2.5 to 2.5	Pass
				50	3.8	8.440	0.0118	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.5	-3.290	-0.0047	-2.5 to 2.5	Pass
					3.8	-1.702	-0.0024	-2.5 to 2.5	Pass
					4.35	-0.787	-0.0011	-2.5 to 2.5	Pass

				-30	3.8	0.257	0.0004	-2.5 to 2.5	Pass
				-20	3.8	1.144	0.0016	-2.5 to 2.5	Pass
				-10	3.8	2.189	0.0031	-2.5 to 2.5	Pass
				0	3.8	2.689	0.0038	-2.5 to 2.5	Pass
				10	3.8	3.018	0.0043	-2.5 to 2.5	Pass
				30	3.8	3.963	0.0057	-2.5 to 2.5	Pass
				40	3.8	3.991	0.0057	-2.5 to 2.5	Pass
				50	3.8	5.322	0.0076	-2.5 to 2.5	Pass
	707.5	6	0	20	3.5	5.736	0.0081	-2.5 to 2.5	Pass
					3.8	6.366	0.0090	-2.5 to 2.5	Pass
					4.35	7.825	0.0111	-2.5 to 2.5	Pass
				-30	3.8	8.755	0.0124	-2.5 to 2.5	Pass
				-20	3.8	10.300	0.0146	-2.5 to 2.5	Pass
				-10	3.8	11.072	0.0156	-2.5 to 2.5	Pass
				0	3.8	11.501	0.0163	-2.5 to 2.5	Pass
				10	3.8	12.202	0.0172	-2.5 to 2.5	Pass
				30	3.8	12.703	0.0180	-2.5 to 2.5	Pass
				40	3.8	13.561	0.0192	-2.5 to 2.5	Pass
				50	3.8	14.219	0.0201	-2.5 to 2.5	Pass
	715.3	6	0	20	3.5	10.414	0.0146	-2.5 to 2.5	Pass
					3.8	11.988	0.0168	-2.5 to 2.5	Pass
					4.35	13.232	0.0185	-2.5 to 2.5	Pass
				-30	3.8	14.405	0.0201	-2.5 to 2.5	Pass
				-20	3.8	15.607	0.0218	-2.5 to 2.5	Pass
				-10	3.8	16.551	0.0231	-2.5 to 2.5	Pass
				0	3.8	17.624	0.0246	-2.5 to 2.5	Pass
				10	3.8	17.967	0.0251	-2.5 to 2.5	Pass
				30	3.8	18.969	0.0265	-2.5 to 2.5	Pass
				40	3.8	19.555	0.0273	-2.5 to 2.5	Pass
				50	3.8	20.041	0.0280	-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	-6.824	-0.0097	-2.5 to 2.5	Pass
					3.8	-7.010	-0.0100	-2.5 to 2.5	Pass
					4.35	-5.622	-0.0080	-2.5 to 2.5	Pass
				-30	3.8	-4.406	-0.0063	-2.5 to 2.5	Pass
				-20	3.8	-2.847	-0.0041	-2.5 to 2.5	Pass
				-10	3.8	-1.431	-0.0020	-2.5 to 2.5	Pass
				0	3.8	-0.343	-0.0005	-2.5 to 2.5	Pass
				10	3.8	1.202	0.0017	-2.5 to 2.5	Pass
				30	3.8	2.518	0.0036	-2.5 to 2.5	Pass
				40	3.8	4.249	0.0061	-2.5 to 2.5	Pass
				50	3.8	5.121	0.0073	-2.5 to 2.5	Pass
	707.5	15	0	20	3.5	0.944	0.0013	-2.5 to 2.5	Pass
					3.8	0.086	0.0001	-2.5 to 2.5	Pass
					4.35	0.544	0.0008	-2.5 to 2.5	Pass
				-30	3.8	1.016	0.0014	-2.5 to 2.5	Pass
				-20	3.8	1.187	0.0017	-2.5 to 2.5	Pass
				-10	3.8	1.273	0.0018	-2.5 to 2.5	Pass
				0	3.8	1.645	0.0023	-2.5 to 2.5	Pass
				10	3.8	1.516	0.0021	-2.5 to 2.5	Pass

				30	3.8	1.845	0.0026	-2.5 to 2.5	Pass
				40	3.8	2.003	0.0028	-2.5 to 2.5	Pass
				50	3.8	2.074	0.0029	-2.5 to 2.5	Pass
	714.5	15	0	20	3.5	-5.693	-0.0080	-2.5 to 2.5	Pass
					3.8	-6.766	-0.0095	-2.5 to 2.5	Pass
					4.35	-6.638	-0.0093	-2.5 to 2.5	Pass
				-30	3.8	-5.894	-0.0082	-2.5 to 2.5	Pass
				-20	3.8	-5.465	-0.0076	-2.5 to 2.5	Pass
				-10	3.8	-4.463	-0.0062	-2.5 to 2.5	Pass
				0	3.8	-3.619	-0.0051	-2.5 to 2.5	Pass
				10	3.8	-2.575	-0.0036	-2.5 to 2.5	Pass
				30	3.8	-1.216	-0.0017	-2.5 to 2.5	Pass
				40	3.8	-0.558	-0.0008	-2.5 to 2.5	Pass
				50	3.8	0.200	0.0003	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.5	6.266	0.0089	-2.5 to 2.5	Pass
					3.8	7.854	0.0112	-2.5 to 2.5	Pass
					4.35	9.012	0.0129	-2.5 to 2.5	Pass
				-30	3.8	10.157	0.0145	-2.5 to 2.5	Pass
				-20	3.8	10.986	0.0157	-2.5 to 2.5	Pass
				-10	3.8	11.630	0.0166	-2.5 to 2.5	Pass
				0	3.8	12.274	0.0175	-2.5 to 2.5	Pass
				10	3.8	12.703	0.0181	-2.5 to 2.5	Pass
				30	3.8	13.618	0.0194	-2.5 to 2.5	Pass
				40	3.8	14.234	0.0203	-2.5 to 2.5	Pass
				50	3.8	14.749	0.0211	-2.5 to 2.5	Pass
	707.5	15	0	20	3.5	1.931	0.0027	-2.5 to 2.5	Pass
					3.8	2.017	0.0029	-2.5 to 2.5	Pass
					4.35	1.903	0.0027	-2.5 to 2.5	Pass
				-30	3.8	2.232	0.0032	-2.5 to 2.5	Pass
				-20	3.8	2.489	0.0035	-2.5 to 2.5	Pass
				-10	3.8	2.232	0.0032	-2.5 to 2.5	Pass
				0	3.8	2.546	0.0036	-2.5 to 2.5	Pass
				10	3.8	2.432	0.0034	-2.5 to 2.5	Pass
				30	3.8	2.403	0.0034	-2.5 to 2.5	Pass
				40	3.8	2.460	0.0035	-2.5 to 2.5	Pass
				50	3.8	2.604	0.0037	-2.5 to 2.5	Pass
	714.5	15	0	20	3.5	1.545	0.0022	-2.5 to 2.5	Pass
					3.8	2.131	0.0030	-2.5 to 2.5	Pass
					4.35	3.190	0.0045	-2.5 to 2.5	Pass
				-30	3.8	4.048	0.0057	-2.5 to 2.5	Pass
				-20	3.8	4.992	0.0070	-2.5 to 2.5	Pass
				-10	3.8	5.765	0.0081	-2.5 to 2.5	Pass
				0	3.8	6.080	0.0085	-2.5 to 2.5	Pass
				10	3.8	6.924	0.0097	-2.5 to 2.5	Pass
				30	3.8	7.639	0.0107	-2.5 to 2.5	Pass
				40	3.8	7.882	0.0110	-2.5 to 2.5	Pass
				50	3.8	8.311	0.0116	-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	-13.018	-0.0186	-2.5 to 2.5	Pass
					3.8	-13.919	-0.0198	-2.5 to 2.5	Pass

					4.35	-13.776	-0.0196	-2.5 to 2.5	Pass
				-30	3.8	-13.804	-0.0197	-2.5 to 2.5	Pass
				-20	3.8	-14.019	-0.0200	-2.5 to 2.5	Pass
				-10	3.8	-13.847	-0.0197	-2.5 to 2.5	Pass
				0	3.8	-13.375	-0.0191	-2.5 to 2.5	Pass
				10	3.8	-13.146	-0.0187	-2.5 to 2.5	Pass
				30	3.8	-12.546	-0.0179	-2.5 to 2.5	Pass
				40	3.8	-12.159	-0.0173	-2.5 to 2.5	Pass
				50	3.8	-12.016	-0.0171	-2.5 to 2.5	Pass
	707.5	25	0	20	3.5	-1.216	-0.0017	-2.5 to 2.5	Pass
					3.8	-2.103	-0.0030	-2.5 to 2.5	Pass
					4.35	-1.187	-0.0017	-2.5 to 2.5	Pass
				-30	3.8	-0.029	0.0000	-2.5 to 2.5	Pass
				-20	3.8	0.772	0.0011	-2.5 to 2.5	Pass
				-10	3.8	2.203	0.0031	-2.5 to 2.5	Pass
				0	3.8	3.147	0.0044	-2.5 to 2.5	Pass
				10	3.8	4.892	0.0069	-2.5 to 2.5	Pass
				30	3.8	6.466	0.0091	-2.5 to 2.5	Pass
				40	3.8	7.753	0.0110	-2.5 to 2.5	Pass
				50	3.8	8.454	0.0119	-2.5 to 2.5	Pass
	713.5	25	0	20	3.5	-13.132	-0.0184	-2.5 to 2.5	Pass
					3.8	-13.933	-0.0195	-2.5 to 2.5	Pass
					4.35	-13.676	-0.0192	-2.5 to 2.5	Pass
				-30	3.8	-13.003	-0.0182	-2.5 to 2.5	Pass
				-20	3.8	-12.646	-0.0177	-2.5 to 2.5	Pass
				-10	3.8	-12.388	-0.0174	-2.5 to 2.5	Pass
				0	3.8	-12.231	-0.0171	-2.5 to 2.5	Pass
				10	3.8	-11.845	-0.0166	-2.5 to 2.5	Pass
				30	3.8	-11.115	-0.0156	-2.5 to 2.5	Pass
				40	3.8	-10.772	-0.0151	-2.5 to 2.5	Pass
				50	3.8	-10.743	-0.0151	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.5	-11.115	-0.0158	-2.5 to 2.5	Pass
					3.8	-10.414	-0.0148	-2.5 to 2.5	Pass
					4.35	-9.899	-0.0141	-2.5 to 2.5	Pass
				-30	3.8	-9.727	-0.0139	-2.5 to 2.5	Pass
				-20	3.8	-9.112	-0.0130	-2.5 to 2.5	Pass
				-10	3.8	-8.969	-0.0128	-2.5 to 2.5	Pass
				0	3.8	-8.826	-0.0126	-2.5 to 2.5	Pass
				10	3.8	-8.483	-0.0121	-2.5 to 2.5	Pass
				30	3.8	-8.254	-0.0118	-2.5 to 2.5	Pass
				40	3.8	-8.111	-0.0116	-2.5 to 2.5	Pass
				50	3.8	-7.811	-0.0111	-2.5 to 2.5	Pass
	707.5	25	0	20	3.5	9.942	0.0141	-2.5 to 2.5	Pass
					3.8	10.872	0.0154	-2.5 to 2.5	Pass
					4.35	12.231	0.0173	-2.5 to 2.5	Pass
				-30	3.8	13.218	0.0187	-2.5 to 2.5	Pass
				-20	3.8	14.319	0.0202	-2.5 to 2.5	Pass
				-10	3.8	15.736	0.0222	-2.5 to 2.5	Pass
				0	3.8	16.036	0.0227	-2.5 to 2.5	Pass
				10	3.8	16.694	0.0236	-2.5 to 2.5	Pass
				30	3.8	17.037	0.0241	-2.5 to 2.5	Pass
				40	3.8	17.738	0.0251	-2.5 to 2.5	Pass
				50	3.8	18.096	0.0256	-2.5 to 2.5	Pass
	713.5	25	0	20	3.5	-10.057	-0.0141	-2.5 to 2.5	Pass
					3.8	-9.828	-0.0138	-2.5 to 2.5	Pass
					4.35	-9.313	-0.0131	-2.5 to 2.5	Pass
				-30	3.8	-8.826	-0.0124	-2.5 to 2.5	Pass
				-20	3.8	-8.440	-0.0118	-2.5 to 2.5	Pass
				-10	3.8	-8.483	-0.0119	-2.5 to 2.5	Pass

				0	3.8	-8.240	-0.0115	-2.5 to 2.5	Pass
				10	3.8	-7.968	-0.0112	-2.5 to 2.5	Pass
				30	3.8	-8.039	-0.0113	-2.5 to 2.5	Pass
				40	3.8	-7.825	-0.0110	-2.5 to 2.5	Pass
				50	3.8	-7.796	-0.0109	-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	-8.769	-0.0125	-2.5 to 2.5	Pass
					3.8	-9.899	-0.0141	-2.5 to 2.5	Pass
					4.35	-9.627	-0.0137	-2.5 to 2.5	Pass
				-30	3.8	-9.828	-0.0140	-2.5 to 2.5	Pass
				-20	3.8	-9.413	-0.0134	-2.5 to 2.5	Pass
				-10	3.8	-8.812	-0.0125	-2.5 to 2.5	Pass
				0	3.8	-8.497	-0.0121	-2.5 to 2.5	Pass
				10	3.8	-7.939	-0.0113	-2.5 to 2.5	Pass
				30	3.8	-7.768	-0.0110	-2.5 to 2.5	Pass
				40	3.8	-7.324	-0.0104	-2.5 to 2.5	Pass
				50	3.8	-6.409	-0.0091	-2.5 to 2.5	Pass
	707.5	50	0	20	3.5	-2.432	-0.0034	-2.5 to 2.5	Pass
					3.8	-2.561	-0.0036	-2.5 to 2.5	Pass
					4.35	-0.815	-0.0012	-2.5 to 2.5	Pass
				-30	3.8	0.887	0.0013	-2.5 to 2.5	Pass
				-20	3.8	3.147	0.0044	-2.5 to 2.5	Pass
				-10	3.8	4.978	0.0070	-2.5 to 2.5	Pass
				0	3.8	6.709	0.0095	-2.5 to 2.5	Pass
				10	3.8	8.698	0.0123	-2.5 to 2.5	Pass
				30	3.8	10.357	0.0146	-2.5 to 2.5	Pass
				40	3.8	11.859	0.0168	-2.5 to 2.5	Pass
				50	3.8	13.304	0.0188	-2.5 to 2.5	Pass
	711	50	0	20	3.5	-6.795	-0.0096	-2.5 to 2.5	Pass
					3.8	-6.995	-0.0098	-2.5 to 2.5	Pass
					4.35	-6.895	-0.0097	-2.5 to 2.5	Pass
				-30	3.8	-6.824	-0.0096	-2.5 to 2.5	Pass
				-20	3.8	-6.824	-0.0096	-2.5 to 2.5	Pass
				-10	3.8	-6.452	-0.0091	-2.5 to 2.5	Pass
				0	3.8	-5.822	-0.0082	-2.5 to 2.5	Pass
				10	3.8	-5.708	-0.0080	-2.5 to 2.5	Pass
				30	3.8	-5.379	-0.0076	-2.5 to 2.5	Pass
				40	3.8	-5.136	-0.0072	-2.5 to 2.5	Pass
				50	3.8	-5.078	-0.0071	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.5	-6.537	-0.0093	-2.5 to 2.5	Pass
					3.8	-5.836	-0.0083	-2.5 to 2.5	Pass
					4.35	-5.622	-0.0080	-2.5 to 2.5	Pass
				-30	3.8	-5.407	-0.0077	-2.5 to 2.5	Pass
				-20	3.8	-5.322	-0.0076	-2.5 to 2.5	Pass
				-10	3.8	-4.992	-0.0071	-2.5 to 2.5	Pass
				0	3.8	-4.778	-0.0068	-2.5 to 2.5	Pass
				10	3.8	-4.807	-0.0068	-2.5 to 2.5	Pass
				30	3.8	-4.678	-0.0066	-2.5 to 2.5	Pass
				40	3.8	-4.506	-0.0064	-2.5 to 2.5	Pass
				50	3.8	-4.649	-0.0066	-2.5 to 2.5	Pass

	707.5	50	0	20	3.5	14.319	0.0202	-2.5 to 2.5	Pass
					3.8	15.607	0.0221	-2.5 to 2.5	Pass
					4.35	16.851	0.0238	-2.5 to 2.5	Pass
				-30	3.8	17.653	0.0250	-2.5 to 2.5	Pass
				-20	3.8	18.454	0.0261	-2.5 to 2.5	Pass
				-10	3.8	19.097	0.0270	-2.5 to 2.5	Pass
				0	3.8	19.484	0.0275	-2.5 to 2.5	Pass
				10	3.8	19.813	0.0280	-2.5 to 2.5	Pass
				30	3.8	20.614	0.0291	-2.5 to 2.5	Pass
				40	3.8	20.943	0.0296	-2.5 to 2.5	Pass
				50	3.8	21.029	0.0297	-2.5 to 2.5	Pass
	711	50	0	20	3.5	-4.363	-0.0061	-2.5 to 2.5	Pass
					3.8	-4.234	-0.0060	-2.5 to 2.5	Pass
					4.35	-4.048	-0.0057	-2.5 to 2.5	Pass
				-30	3.8	-3.633	-0.0051	-2.5 to 2.5	Pass
				-20	3.8	-3.719	-0.0052	-2.5 to 2.5	Pass
				-10	3.8	-3.748	-0.0053	-2.5 to 2.5	Pass
				0	3.8	-3.834	-0.0054	-2.5 to 2.5	Pass
				10	3.8	-3.719	-0.0052	-2.5 to 2.5	Pass
				30	3.8	-3.376	-0.0047	-2.5 to 2.5	Pass
				40	3.8	-3.619	-0.0051	-2.5 to 2.5	Pass
				50	3.8	-3.419	-0.0048	-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	-25.821	-0.0331	-2.5 to 2.5	Pass
					3.8	-25.206	-0.0323	-2.5 to 2.5	Pass
					4.35	-24.219	-0.0311	-2.5 to 2.5	Pass
				-30	3.8	-23.146	-0.0297	-2.5 to 2.5	Pass
				-20	3.8	-21.758	-0.0279	-2.5 to 2.5	Pass
				-10	3.8	-20.385	-0.0262	-2.5 to 2.5	Pass
				0	3.8	-19.383	-0.0249	-2.5 to 2.5	Pass
				10	3.8	-18.067	-0.0232	-2.5 to 2.5	Pass
				30	3.8	-16.680	-0.0214	-2.5 to 2.5	Pass
				40	3.8	-15.736	-0.0202	-2.5 to 2.5	Pass
				50	3.8	-14.176	-0.0182	-2.5 to 2.5	Pass
	782	25	0	20	3.5	-1.502	-0.0019	-2.5 to 2.5	Pass
					3.8	-1.502	-0.0019	-2.5 to 2.5	Pass
					4.35	-1.144	-0.0015	-2.5 to 2.5	Pass
				-30	3.8	-0.529	-0.0007	-2.5 to 2.5	Pass
				-20	3.8	-0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.8	0.472	0.0006	-2.5 to 2.5	Pass
				0	3.8	1.116	0.0014	-2.5 to 2.5	Pass
				10	3.8	1.431	0.0018	-2.5 to 2.5	Pass
				30	3.8	1.888	0.0024	-2.5 to 2.5	Pass
				40	3.8	1.945	0.0025	-2.5 to 2.5	Pass
				50	3.8	2.346	0.0030	-2.5 to 2.5	Pass
	784.5	25	0	20	3.5	-5.279	-0.0067	-2.5 to 2.5	Pass
					3.8	-6.194	-0.0079	-2.5 to 2.5	Pass

					4.35	-5.980	-0.0076	-2.5 to 2.5	Pass
				-30	3.8	-5.536	-0.0071	-2.5 to 2.5	Pass
				-20	3.8	-5.507	-0.0070	-2.5 to 2.5	Pass
				-10	3.8	-5.121	-0.0065	-2.5 to 2.5	Pass
				0	3.8	-4.835	-0.0062	-2.5 to 2.5	Pass
				10	3.8	-5.150	-0.0066	-2.5 to 2.5	Pass
				30	3.8	-4.478	-0.0057	-2.5 to 2.5	Pass
				40	3.8	-4.263	-0.0054	-2.5 to 2.5	Pass
				50	3.8	-4.020	-0.0051	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.5	-12.388	-0.0159	-2.5 to 2.5	Pass
					3.8	-11.373	-0.0146	-2.5 to 2.5	Pass
					4.35	-10.114	-0.0130	-2.5 to 2.5	Pass
				-30	3.8	-9.241	-0.0119	-2.5 to 2.5	Pass
				-20	3.8	-8.154	-0.0105	-2.5 to 2.5	Pass
				-10	3.8	-7.339	-0.0094	-2.5 to 2.5	Pass
				0	3.8	-6.251	-0.0080	-2.5 to 2.5	Pass
				10	3.8	-5.708	-0.0073	-2.5 to 2.5	Pass
				30	3.8	-5.507	-0.0071	-2.5 to 2.5	Pass
				40	3.8	-4.377	-0.0056	-2.5 to 2.5	Pass
				50	3.8	-3.805	-0.0049	-2.5 to 2.5	Pass
	782	25	0	20	3.5	2.847	0.0036	-2.5 to 2.5	Pass
					3.8	2.832	0.0036	-2.5 to 2.5	Pass
					4.35	3.147	0.0040	-2.5 to 2.5	Pass
				-30	3.8	3.490	0.0045	-2.5 to 2.5	Pass
				-20	3.8	3.648	0.0047	-2.5 to 2.5	Pass
				-10	3.8	4.005	0.0051	-2.5 to 2.5	Pass
				0	3.8	4.549	0.0058	-2.5 to 2.5	Pass
				10	3.8	4.420	0.0057	-2.5 to 2.5	Pass
				30	3.8	4.749	0.0061	-2.5 to 2.5	Pass
				40	3.8	5.007	0.0064	-2.5 to 2.5	Pass
				50	3.8	5.035	0.0064	-2.5 to 2.5	Pass
	784.5	25	0	20	3.5	-3.533	-0.0045	-2.5 to 2.5	Pass
					3.8	-2.389	-0.0030	-2.5 to 2.5	Pass
					4.35	-1.817	-0.0023	-2.5 to 2.5	Pass
				-30	3.8	-2.103	-0.0027	-2.5 to 2.5	Pass
				-20	3.8	-1.631	-0.0021	-2.5 to 2.5	Pass
				-10	3.8	-1.259	-0.0016	-2.5 to 2.5	Pass
				0	3.8	-1.016	-0.0013	-2.5 to 2.5	Pass
				10	3.8	-0.701	-0.0009	-2.5 to 2.5	Pass
				30	3.8	-0.772	-0.0010	-2.5 to 2.5	Pass
				40	3.8	-0.787	-0.0010	-2.5 to 2.5	Pass
				50	3.8	-0.429	-0.0005	-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	-14.119	-0.0181	-2.5 to 2.5	Pass
					3.8	-15.135	-0.0194	-2.5 to 2.5	Pass
					4.35	-15.063	-0.0193	-2.5 to 2.5	Pass
				-30	3.8	-15.249	-0.0195	-2.5 to 2.5	Pass
				-20	3.8	-15.121	-0.0193	-2.5 to 2.5	Pass
				-10	3.8	-14.334	-0.0183	-2.5 to 2.5	Pass
				0	3.8	-13.361	-0.0171	-2.5 to 2.5	Pass

				10	3.8	-12.817	-0.0164	-2.5 to 2.5	Pass
				30	3.8	-11.945	-0.0153	-2.5 to 2.5	Pass
				40	3.8	-11.501	-0.0147	-2.5 to 2.5	Pass
				50	3.8	-10.915	-0.0140	-2.5 to 2.5	Pass
	782	50	0	20	3.5	-6.309	-0.0081	-2.5 to 2.5	Pass
					3.8	-6.123	-0.0078	-2.5 to 2.5	Pass
					4.35	-5.651	-0.0072	-2.5 to 2.5	Pass
				-30	3.8	-5.064	-0.0065	-2.5 to 2.5	Pass
				-20	3.8	-4.635	-0.0059	-2.5 to 2.5	Pass
				-10	3.8	-4.449	-0.0057	-2.5 to 2.5	Pass
				0	3.8	-4.220	-0.0054	-2.5 to 2.5	Pass
				10	3.8	-3.791	-0.0048	-2.5 to 2.5	Pass
				30	3.8	-3.147	-0.0040	-2.5 to 2.5	Pass
				40	3.8	-2.589	-0.0033	-2.5 to 2.5	Pass
				50	3.8	-2.289	-0.0029	-2.5 to 2.5	Pass
	782	50	0	20	3.5	1.130	0.0014	-2.5 to 2.5	Pass
					3.8	1.302	0.0017	-2.5 to 2.5	Pass
					4.35	1.516	0.0019	-2.5 to 2.5	Pass
				-30	3.8	2.017	0.0026	-2.5 to 2.5	Pass
				-20	3.8	2.303	0.0029	-2.5 to 2.5	Pass
				-10	3.8	2.375	0.0030	-2.5 to 2.5	Pass
				0	3.8	3.033	0.0039	-2.5 to 2.5	Pass
				10	3.8	3.691	0.0047	-2.5 to 2.5	Pass
				30	3.8	3.877	0.0050	-2.5 to 2.5	Pass
				40	3.8	4.134	0.0053	-2.5 to 2.5	Pass
				50	3.8	4.578	0.0059	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.5	-10.099	-0.0129	-2.5 to 2.5	Pass
					3.8	-9.584	-0.0123	-2.5 to 2.5	Pass
					4.35	-9.027	-0.0115	-2.5 to 2.5	Pass
				-30	3.8	-8.698	-0.0111	-2.5 to 2.5	Pass
				-20	3.8	-8.597	-0.0110	-2.5 to 2.5	Pass
				-10	3.8	-8.168	-0.0104	-2.5 to 2.5	Pass
				0	3.8	-7.839	-0.0100	-2.5 to 2.5	Pass
				10	3.8	-7.124	-0.0091	-2.5 to 2.5	Pass
				30	3.8	-6.909	-0.0088	-2.5 to 2.5	Pass
				40	3.8	-6.952	-0.0089	-2.5 to 2.5	Pass
				50	3.8	-6.423	-0.0082	-2.5 to 2.5	Pass
	782	50	0	20	3.5	-1.545	-0.0020	-2.5 to 2.5	Pass
					3.8	-0.844	-0.0011	-2.5 to 2.5	Pass
					4.35	-0.601	-0.0008	-2.5 to 2.5	Pass
				-30	3.8	-0.687	-0.0009	-2.5 to 2.5	Pass
				-20	3.8	-0.086	-0.0001	-2.5 to 2.5	Pass
				-10	3.8	0.515	0.0007	-2.5 to 2.5	Pass
				0	3.8	0.644	0.0008	-2.5 to 2.5	Pass
				10	3.8	0.658	0.0008	-2.5 to 2.5	Pass
				30	3.8	0.801	0.0010	-2.5 to 2.5	Pass
				40	3.8	0.830	0.0011	-2.5 to 2.5	Pass
				50	3.8	0.944	0.0012	-2.5 to 2.5	Pass
	782	50	0	20	3.5	4.964	0.0063	-2.5 to 2.5	Pass
					3.8	5.236	0.0067	-2.5 to 2.5	Pass
					4.35	5.951	0.0076	-2.5 to 2.5	Pass
				-30	3.8	5.965	0.0076	-2.5 to 2.5	Pass
				-20	3.8	5.937	0.0076	-2.5 to 2.5	Pass
				-10	3.8	6.123	0.0078	-2.5 to 2.5	Pass
				0	3.8	6.323	0.0081	-2.5 to 2.5	Pass
				10	3.8	6.723	0.0086	-2.5 to 2.5	Pass
				30	3.8	7.310	0.0093	-2.5 to 2.5	Pass
				40	3.8	7.353	0.0094	-2.5 to 2.5	Pass
				50	3.8	7.911	0.0101	-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	-1.974	-0.0028	-2.5 to 2.5	Pass
					3.8	-2.990	-0.0042	-2.5 to 2.5	Pass
					4.35	-2.546	-0.0036	-2.5 to 2.5	Pass
				-30	3.8	-2.446	-0.0035	-2.5 to 2.5	Pass
				-20	3.8	-1.874	-0.0027	-2.5 to 2.5	Pass
				-10	3.8	-1.044	-0.0015	-2.5 to 2.5	Pass
				0	3.8	0.072	0.0001	-2.5 to 2.5	Pass
				10	3.8	1.073	0.0015	-2.5 to 2.5	Pass
				30	3.8	1.717	0.0024	-2.5 to 2.5	Pass
				40	3.8	2.403	0.0034	-2.5 to 2.5	Pass
				50	3.8	3.462	0.0049	-2.5 to 2.5	Pass
	710	25	0	20	3.5	-2.017	-0.0028	-2.5 to 2.5	Pass
					3.8	-3.090	-0.0044	-2.5 to 2.5	Pass
					4.35	-2.146	-0.0030	-2.5 to 2.5	Pass
				-30	3.8	-1.173	-0.0017	-2.5 to 2.5	Pass
				-20	3.8	0.057	0.0001	-2.5 to 2.5	Pass
				-10	3.8	1.087	0.0015	-2.5 to 2.5	Pass
				0	3.8	2.289	0.0032	-2.5 to 2.5	Pass
				10	3.8	3.619	0.0051	-2.5 to 2.5	Pass
				30	3.8	5.150	0.0073	-2.5 to 2.5	Pass
				40	3.8	6.509	0.0092	-2.5 to 2.5	Pass
				50	3.8	7.668	0.0108	-2.5 to 2.5	Pass
	713.5	25	0	20	3.5	-9.427	-0.0132	-2.5 to 2.5	Pass
					3.8	-10.014	-0.0140	-2.5 to 2.5	Pass
					4.35	-9.713	-0.0136	-2.5 to 2.5	Pass
				-30	3.8	-9.141	-0.0128	-2.5 to 2.5	Pass
				-20	3.8	-8.712	-0.0122	-2.5 to 2.5	Pass
				-10	3.8	-8.383	-0.0117	-2.5 to 2.5	Pass
				0	3.8	-7.925	-0.0111	-2.5 to 2.5	Pass
				10	3.8	-7.210	-0.0101	-2.5 to 2.5	Pass
				30	3.8	-6.838	-0.0096	-2.5 to 2.5	Pass
				40	3.8	-6.480	-0.0091	-2.5 to 2.5	Pass
				50	3.8	-5.622	-0.0079	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.5	4.234	0.0060	-2.5 to 2.5	Pass
					3.8	5.050	0.0071	-2.5 to 2.5	Pass
					4.35	5.908	0.0084	-2.5 to 2.5	Pass
				-30	3.8	6.909	0.0098	-2.5 to 2.5	Pass
				-20	3.8	7.167	0.0101	-2.5 to 2.5	Pass
				-10	3.8	7.982	0.0113	-2.5 to 2.5	Pass
				0	3.8	8.368	0.0118	-2.5 to 2.5	Pass
				10	3.8	8.912	0.0126	-2.5 to 2.5	Pass
				30	3.8	9.370	0.0133	-2.5 to 2.5	Pass
				40	3.8	9.413	0.0133	-2.5 to 2.5	Pass
				50	3.8	10.014	0.0142	-2.5 to 2.5	Pass
	710	25	0	20	3.5	9.055	0.0128	-2.5 to 2.5	Pass
					3.8	9.956	0.0140	-2.5 to 2.5	Pass
					4.35	10.443	0.0147	-2.5 to 2.5	Pass

				-30	3.8	12.145	0.0171	-2.5 to 2.5	Pass
				-20	3.8	13.189	0.0186	-2.5 to 2.5	Pass
				-10	3.8	14.319	0.0202	-2.5 to 2.5	Pass
				0	3.8	14.977	0.0211	-2.5 to 2.5	Pass
				10	3.8	16.179	0.0228	-2.5 to 2.5	Pass
				30	3.8	16.651	0.0235	-2.5 to 2.5	Pass
				40	3.8	16.909	0.0238	-2.5 to 2.5	Pass
				50	3.8	17.610	0.0248	-2.5 to 2.5	Pass
	713.5	25	0	20	3.5	-5.007	-0.0070	-2.5 to 2.5	Pass
					3.8	-4.478	-0.0063	-2.5 to 2.5	Pass
					4.35	-4.020	-0.0056	-2.5 to 2.5	Pass
				-30	3.8	-3.176	-0.0045	-2.5 to 2.5	Pass
				-20	3.8	-3.033	-0.0043	-2.5 to 2.5	Pass
				-10	3.8	-2.890	-0.0041	-2.5 to 2.5	Pass
				0	3.8	-2.303	-0.0032	-2.5 to 2.5	Pass
				10	3.8	-2.246	-0.0031	-2.5 to 2.5	Pass
				30	3.8	-1.745	-0.0024	-2.5 to 2.5	Pass
				40	3.8	-1.359	-0.0019	-2.5 to 2.5	Pass
				50	3.8	-1.273	-0.0018	-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	-17.681	-0.0249	-2.5 to 2.5	Pass
					3.8	-16.623	-0.0234	-2.5 to 2.5	Pass
					4.35	-15.249	-0.0215	-2.5 to 2.5	Pass
				-30	3.8	-13.361	-0.0188	-2.5 to 2.5	Pass
				-20	3.8	-11.315	-0.0160	-2.5 to 2.5	Pass
				-10	3.8	-9.255	-0.0131	-2.5 to 2.5	Pass
				0	3.8	-7.668	-0.0108	-2.5 to 2.5	Pass
				10	3.8	-5.608	-0.0079	-2.5 to 2.5	Pass
				30	3.8	-4.005	-0.0056	-2.5 to 2.5	Pass
				40	3.8	-1.931	-0.0027	-2.5 to 2.5	Pass
				50	3.8	-0.529	-0.0007	-2.5 to 2.5	Pass
	710	50	0	20	3.5	-4.334	-0.0061	-2.5 to 2.5	Pass
					3.8	-4.907	-0.0069	-2.5 to 2.5	Pass
					4.35	-4.363	-0.0061	-2.5 to 2.5	Pass
				-30	3.8	-3.848	-0.0054	-2.5 to 2.5	Pass
				-20	3.8	-3.390	-0.0048	-2.5 to 2.5	Pass
				-10	3.8	-3.333	-0.0047	-2.5 to 2.5	Pass
				0	3.8	-2.589	-0.0036	-2.5 to 2.5	Pass
				10	3.8	-2.089	-0.0029	-2.5 to 2.5	Pass
				30	3.8	-1.502	-0.0021	-2.5 to 2.5	Pass
				40	3.8	-1.030	-0.0015	-2.5 to 2.5	Pass
				50	3.8	-0.758	-0.0011	-2.5 to 2.5	Pass
	711	50	0	20	3.5	-3.662	-0.0052	-2.5 to 2.5	Pass
					3.8	-4.349	-0.0061	-2.5 to 2.5	Pass
					4.35	-4.334	-0.0061	-2.5 to 2.5	Pass
				-30	3.8	-3.576	-0.0050	-2.5 to 2.5	Pass
				-20	3.8	-3.076	-0.0043	-2.5 to 2.5	Pass
				-10	3.8	-3.119	-0.0044	-2.5 to 2.5	Pass
				0	3.8	-2.403	-0.0034	-2.5 to 2.5	Pass
				10	3.8	-1.802	-0.0025	-2.5 to 2.5	Pass

				30	3.8	-1.659	-0.0023	-2.5 to 2.5	Pass
				40	3.8	-0.801	-0.0011	-2.5 to 2.5	Pass
				50	3.8	-0.587	-0.0008	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.5	0.830	0.0012	-2.5 to 2.5	Pass
					3.8	2.260	0.0032	-2.5 to 2.5	Pass
					4.35	2.561	0.0036	-2.5 to 2.5	Pass
				-30	3.8	3.862	0.0054	-2.5 to 2.5	Pass
				-20	3.8	4.821	0.0068	-2.5 to 2.5	Pass
				-10	3.8	5.221	0.0074	-2.5 to 2.5	Pass
				0	3.8	5.364	0.0076	-2.5 to 2.5	Pass
				10	3.8	6.366	0.0090	-2.5 to 2.5	Pass
				30	3.8	6.809	0.0096	-2.5 to 2.5	Pass
				40	3.8	6.695	0.0094	-2.5 to 2.5	Pass
				50	3.8	7.582	0.0107	-2.5 to 2.5	Pass
	710	50	0	20	3.5	-0.358	-0.0005	-2.5 to 2.5	Pass
					3.8	-0.014	0.0000	-2.5 to 2.5	Pass
					4.35	0.601	0.0008	-2.5 to 2.5	Pass
				-30	3.8	0.572	0.0008	-2.5 to 2.5	Pass
				-20	3.8	0.944	0.0013	-2.5 to 2.5	Pass
				-10	3.8	1.445	0.0020	-2.5 to 2.5	Pass
				0	3.8	2.475	0.0035	-2.5 to 2.5	Pass
				10	3.8	3.161	0.0045	-2.5 to 2.5	Pass
				30	3.8	3.233	0.0046	-2.5 to 2.5	Pass
				40	3.8	3.834	0.0054	-2.5 to 2.5	Pass
				50	3.8	4.120	0.0058	-2.5 to 2.5	Pass
	711	50	0	20	3.5	-0.043	-0.0001	-2.5 to 2.5	Pass
					3.8	0.672	0.0009	-2.5 to 2.5	Pass
					4.35	0.787	0.0011	-2.5 to 2.5	Pass
				-30	3.8	1.202	0.0017	-2.5 to 2.5	Pass
				-20	3.8	1.144	0.0016	-2.5 to 2.5	Pass
				-10	3.8	0.958	0.0013	-2.5 to 2.5	Pass
				0	3.8	0.873	0.0012	-2.5 to 2.5	Pass
				10	3.8	1.001	0.0014	-2.5 to 2.5	Pass
				30	3.8	1.144	0.0016	-2.5 to 2.5	Pass
				40	3.8	1.087	0.0015	-2.5 to 2.5	Pass
				50	3.8	1.073	0.0015	-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	-14.791	-0.0182	-2.5 to 2.5	Pass
					3.8	-14.462	-0.0178	-2.5 to 2.5	Pass
					4.35	-13.518	-0.0166	-2.5 to 2.5	Pass
				-30	3.8	-12.102	-0.0149	-2.5 to 2.5	Pass
				-20	3.8	-10.557	-0.0130	-2.5 to 2.5	Pass
				-10	3.8	-9.112	-0.0112	-2.5 to 2.5	Pass
				0	3.8	-7.796	-0.0096	-2.5 to 2.5	Pass
				10	3.8	-5.980	-0.0073	-2.5 to 2.5	Pass

				30	3.8	-4.249	-0.0052	-2.5 to 2.5	Pass
				40	3.8	-2.861	-0.0035	-2.5 to 2.5	Pass
				50	3.8	-1.616	-0.0020	-2.5 to 2.5	Pass
					3.5	-12.188	-0.0149	-2.5 to 2.5	Pass
				20	3.8	-11.959	-0.0146	-2.5 to 2.5	Pass
					4.35	-10.958	-0.0134	-2.5 to 2.5	Pass
				-30	3.8	-9.942	-0.0121	-2.5 to 2.5	Pass
				-20	3.8	-9.227	-0.0113	-2.5 to 2.5	Pass
	819	6	0	-10	3.8	-8.783	-0.0107	-2.5 to 2.5	Pass
				0	3.8	-7.467	-0.0091	-2.5 to 2.5	Pass
				10	3.8	-6.781	-0.0083	-2.5 to 2.5	Pass
				30	3.8	-6.237	-0.0076	-2.5 to 2.5	Pass
				40	3.8	-5.236	-0.0064	-2.5 to 2.5	Pass
				50	3.8	-4.663	-0.0057	-2.5 to 2.5	Pass
					3.5	-5.465	-0.0066	-2.5 to 2.5	Pass
				20	3.8	-6.452	-0.0078	-2.5 to 2.5	Pass
					4.35	-5.665	-0.0069	-2.5 to 2.5	Pass
				-30	3.8	-5.794	-0.0070	-2.5 to 2.5	Pass
				-20	3.8	-5.121	-0.0062	-2.5 to 2.5	Pass
	823.3	6	0	-10	3.8	-5.121	-0.0062	-2.5 to 2.5	Pass
				0	3.8	-4.992	-0.0061	-2.5 to 2.5	Pass
				10	3.8	-4.263	-0.0052	-2.5 to 2.5	Pass
				30	3.8	-4.621	-0.0056	-2.5 to 2.5	Pass
				40	3.8	-3.719	-0.0045	-2.5 to 2.5	Pass
				50	3.8	-3.619	-0.0044	-2.5 to 2.5	Pass
					3.5	-1.273	-0.0016	-2.5 to 2.5	Pass
				20	3.8	-1.917	-0.0024	-2.5 to 2.5	Pass
					4.35	-1.802	-0.0022	-2.5 to 2.5	Pass
				-30	3.8	-0.830	-0.0010	-2.5 to 2.5	Pass
				-20	3.8	-0.386	-0.0005	-2.5 to 2.5	Pass
	814.7	6	0	-10	3.8	0.072	0.0001	-2.5 to 2.5	Pass
				0	3.8	1.802	0.0022	-2.5 to 2.5	Pass
				10	3.8	2.489	0.0031	-2.5 to 2.5	Pass
				30	3.8	3.619	0.0044	-2.5 to 2.5	Pass
				40	3.8	4.706	0.0058	-2.5 to 2.5	Pass
				50	3.8	5.178	0.0064	-2.5 to 2.5	Pass
					3.5	-20.285	-0.0248	-2.5 to 2.5	Pass
				20	3.8	-19.798	-0.0242	-2.5 to 2.5	Pass
					4.35	-18.597	-0.0227	-2.5 to 2.5	Pass
				-30	3.8	-17.653	-0.0216	-2.5 to 2.5	Pass
				-20	3.8	-16.966	-0.0207	-2.5 to 2.5	Pass
16QAM	819	6	0	-10	3.8	-15.821	-0.0193	-2.5 to 2.5	Pass
				0	3.8	-15.149	-0.0185	-2.5 to 2.5	Pass
				10	3.8	-14.305	-0.0175	-2.5 to 2.5	Pass
				30	3.8	-13.747	-0.0168	-2.5 to 2.5	Pass
				40	3.8	-12.732	-0.0155	-2.5 to 2.5	Pass
				50	3.8	-12.016	-0.0147	-2.5 to 2.5	Pass
					3.5	-8.626	-0.0105	-2.5 to 2.5	Pass
				20	3.8	-8.225	-0.0100	-2.5 to 2.5	Pass
					4.35	-7.153	-0.0087	-2.5 to 2.5	Pass
				-30	3.8	-6.495	-0.0079	-2.5 to 2.5	Pass
				-20	3.8	-5.894	-0.0072	-2.5 to 2.5	Pass
	823.3	6	0	-10	3.8	-5.293	-0.0064	-2.5 to 2.5	Pass
				0	3.8	-5.064	-0.0062	-2.5 to 2.5	Pass
				10	3.8	-4.964	-0.0060	-2.5 to 2.5	Pass
				30	3.8	-4.635	-0.0056	-2.5 to 2.5	Pass
				40	3.8	-4.334	-0.0053	-2.5 to 2.5	Pass
				50	3.8	-4.249	-0.0052	-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	-5.550	-0.0068	-2.5 to 2.5	Pass
					3.8	-6.723	-0.0082	-2.5 to 2.5	Pass
					4.35	-6.752	-0.0083	-2.5 to 2.5	Pass
				-30	3.8	-6.752	-0.0083	-2.5 to 2.5	Pass
				-20	3.8	-6.866	-0.0084	-2.5 to 2.5	Pass
				-10	3.8	-7.010	-0.0086	-2.5 to 2.5	Pass
				0	3.8	-6.781	-0.0083	-2.5 to 2.5	Pass
				10	3.8	-6.337	-0.0078	-2.5 to 2.5	Pass
				30	3.8	-6.294	-0.0077	-2.5 to 2.5	Pass
				40	3.8	-6.337	-0.0078	-2.5 to 2.5	Pass
				50	3.8	-6.108	-0.0075	-2.5 to 2.5	Pass
	819	15	0	20	3.5	-4.492	-0.0055	-2.5 to 2.5	Pass
					3.8	-5.250	-0.0064	-2.5 to 2.5	Pass
					4.35	-5.336	-0.0065	-2.5 to 2.5	Pass
				-30	3.8	-5.279	-0.0064	-2.5 to 2.5	Pass
				-20	3.8	-5.035	-0.0061	-2.5 to 2.5	Pass
				-10	3.8	-4.764	-0.0058	-2.5 to 2.5	Pass
				0	3.8	-4.649	-0.0057	-2.5 to 2.5	Pass
				10	3.8	-4.478	-0.0055	-2.5 to 2.5	Pass
				30	3.8	-4.263	-0.0052	-2.5 to 2.5	Pass
				40	3.8	-3.591	-0.0044	-2.5 to 2.5	Pass
				50	3.8	-3.519	-0.0043	-2.5 to 2.5	Pass
	822.5	15	0	20	3.5	-7.625	-0.0093	-2.5 to 2.5	Pass
					3.8	-7.768	-0.0094	-2.5 to 2.5	Pass
					4.35	-7.439	-0.0090	-2.5 to 2.5	Pass
				-30	3.8	-7.296	-0.0089	-2.5 to 2.5	Pass
				-20	3.8	-6.738	-0.0082	-2.5 to 2.5	Pass
				-10	3.8	-5.951	-0.0072	-2.5 to 2.5	Pass
				0	3.8	-4.206	-0.0051	-2.5 to 2.5	Pass
				10	3.8	-2.646	-0.0032	-2.5 to 2.5	Pass
				30	3.8	-1.459	-0.0018	-2.5 to 2.5	Pass
				40	3.8	-0.343	-0.0004	-2.5 to 2.5	Pass
				50	3.8	0.801	0.0010	-2.5 to 2.5	Pass
16QAM	815.5	15	0	20	3.5	-3.033	-0.0037	-2.5 to 2.5	Pass
					3.8	-3.777	-0.0046	-2.5 to 2.5	Pass
					4.35	-4.034	-0.0049	-2.5 to 2.5	Pass
				-30	3.8	-3.533	-0.0043	-2.5 to 2.5	Pass
				-20	3.8	-2.532	-0.0031	-2.5 to 2.5	Pass
				-10	3.8	-2.460	-0.0030	-2.5 to 2.5	Pass
				0	3.8	-1.688	-0.0021	-2.5 to 2.5	Pass
				10	3.8	-2.060	-0.0025	-2.5 to 2.5	Pass
				30	3.8	-1.903	-0.0023	-2.5 to 2.5	Pass
				40	3.8	-1.731	-0.0021	-2.5 to 2.5	Pass
				50	3.8	-1.874	-0.0023	-2.5 to 2.5	Pass
	819	15	0	20	3.5	0.529	0.0006	-2.5 to 2.5	Pass
					3.8	-0.687	-0.0008	-2.5 to 2.5	Pass
					4.35	-0.343	-0.0004	-2.5 to 2.5	Pass
				-30	3.8	-0.529	-0.0006	-2.5 to 2.5	Pass
				-20	3.8	-0.486	-0.0006	-2.5 to 2.5	Pass
				-10	3.8	-0.458	-0.0006	-2.5 to 2.5	Pass
				0	3.8	-0.157	-0.0002	-2.5 to 2.5	Pass

				10	3.8	-0.257	-0.0003	-2.5 to 2.5	Pass
				30	3.8	-0.329	-0.0004	-2.5 to 2.5	Pass
				40	3.8	-0.072	-0.0001	-2.5 to 2.5	Pass
				50	3.8	-0.014	0.0000	-2.5 to 2.5	Pass
	822.5	15	0	20	3.5	-3.734	-0.0045	-2.5 to 2.5	Pass
					3.8	-3.819	-0.0046	-2.5 to 2.5	Pass
					4.35	-3.190	-0.0039	-2.5 to 2.5	Pass
				-30	3.8	-2.718	-0.0033	-2.5 to 2.5	Pass
				-20	3.8	-2.475	-0.0030	-2.5 to 2.5	Pass
				-10	3.8	-1.860	-0.0023	-2.5 to 2.5	Pass
				0	3.8	-1.888	-0.0023	-2.5 to 2.5	Pass
				10	3.8	-1.373	-0.0017	-2.5 to 2.5	Pass
				30	3.8	-1.316	-0.0016	-2.5 to 2.5	Pass
				40	3.8	-1.245	-0.0015	-2.5 to 2.5	Pass
				50	3.8	-0.744	-0.0009	-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	-7.982	-0.0098	-2.5 to 2.5	Pass
					3.8	-9.542	-0.0117	-2.5 to 2.5	Pass
					4.35	-9.699	-0.0119	-2.5 to 2.5	Pass
				-30	3.8	-9.985	-0.0122	-2.5 to 2.5	Pass
				-20	3.8	-9.871	-0.0121	-2.5 to 2.5	Pass
				-10	3.8	-9.642	-0.0118	-2.5 to 2.5	Pass
				0	3.8	-9.270	-0.0114	-2.5 to 2.5	Pass
				10	3.8	-9.799	-0.0120	-2.5 to 2.5	Pass
				30	3.8	-9.055	-0.0111	-2.5 to 2.5	Pass
				40	3.8	-8.998	-0.0110	-2.5 to 2.5	Pass
				50	3.8	-8.440	-0.0103	-2.5 to 2.5	Pass
	819	25	0	20	3.5	-4.034	-0.0049	-2.5 to 2.5	Pass
					3.8	-3.619	-0.0044	-2.5 to 2.5	Pass
					4.35	-2.832	-0.0035	-2.5 to 2.5	Pass
				-30	3.8	-1.888	-0.0023	-2.5 to 2.5	Pass
				-20	3.8	-0.987	-0.0012	-2.5 to 2.5	Pass
				-10	3.8	-0.315	-0.0004	-2.5 to 2.5	Pass
				0	3.8	1.016	0.0012	-2.5 to 2.5	Pass
				10	3.8	2.217	0.0027	-2.5 to 2.5	Pass
				30	3.8	2.789	0.0034	-2.5 to 2.5	Pass
				40	3.8	3.848	0.0047	-2.5 to 2.5	Pass
				50	3.8	4.635	0.0057	-2.5 to 2.5	Pass
	821.5	25	0	20	3.5	-4.535	-0.0055	-2.5 to 2.5	Pass
					3.8	-4.907	-0.0060	-2.5 to 2.5	Pass
					4.35	-4.206	-0.0051	-2.5 to 2.5	Pass
				-30	3.8	-3.333	-0.0041	-2.5 to 2.5	Pass
				-20	3.8	-2.189	-0.0027	-2.5 to 2.5	Pass
				-10	3.8	-0.758	-0.0009	-2.5 to 2.5	Pass
				0	3.8	0.501	0.0006	-2.5 to 2.5	Pass
				10	3.8	1.974	0.0024	-2.5 to 2.5	Pass
				30	3.8	3.047	0.0037	-2.5 to 2.5	Pass
				40	3.8	4.148	0.0050	-2.5 to 2.5	Pass
				50	3.8	5.393	0.0066	-2.5 to 2.5	Pass
16QAM	816.5	25	0	20	3.5	-5.865	-0.0072	-2.5 to 2.5	Pass

					3.8	-6.509	-0.0080	-2.5 to 2.5	Pass
					4.35	-5.980	-0.0073	-2.5 to 2.5	Pass
				-30	3.8	-4.864	-0.0060	-2.5 to 2.5	Pass
				-20	3.8	-4.177	-0.0051	-2.5 to 2.5	Pass
				-10	3.8	-3.433	-0.0042	-2.5 to 2.5	Pass
				0	3.8	-1.874	-0.0023	-2.5 to 2.5	Pass
				10	3.8	-0.644	-0.0008	-2.5 to 2.5	Pass
				30	3.8	0.300	0.0004	-2.5 to 2.5	Pass
				40	3.8	1.631	0.0020	-2.5 to 2.5	Pass
				50	3.8	2.747	0.0034	-2.5 to 2.5	Pass
	819	25	0	20	3.5	-1.230	-0.0015	-2.5 to 2.5	Pass
					3.8	-1.345	-0.0016	-2.5 to 2.5	Pass
					4.35	-0.658	-0.0008	-2.5 to 2.5	Pass
				-30	3.8	-0.672	-0.0008	-2.5 to 2.5	Pass
				-20	3.8	-0.501	-0.0006	-2.5 to 2.5	Pass
				-10	3.8	-0.472	-0.0006	-2.5 to 2.5	Pass
				0	3.8	-0.086	-0.0001	-2.5 to 2.5	Pass
				10	3.8	0.501	0.0006	-2.5 to 2.5	Pass
				30	3.8	0.815	0.0010	-2.5 to 2.5	Pass
				40	3.8	1.101	0.0013	-2.5 to 2.5	Pass
				50	3.8	1.559	0.0019	-2.5 to 2.5	Pass
	821.5	25	0	20	3.5	-14.734	-0.0179	-2.5 to 2.5	Pass
					3.8	-14.591	-0.0178	-2.5 to 2.5	Pass
					4.35	-14.248	-0.0173	-2.5 to 2.5	Pass
				-30	3.8	-13.862	-0.0169	-2.5 to 2.5	Pass
				-20	3.8	-13.433	-0.0164	-2.5 to 2.5	Pass
				-10	3.8	-13.103	-0.0160	-2.5 to 2.5	Pass
				0	3.8	-12.789	-0.0156	-2.5 to 2.5	Pass
				10	3.8	-12.989	-0.0158	-2.5 to 2.5	Pass
				30	3.8	-12.903	-0.0157	-2.5 to 2.5	Pass
				40	3.8	-12.746	-0.0155	-2.5 to 2.5	Pass
				50	3.8	-12.631	-0.0154	-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	-9.756	-0.0119	-2.5 to 2.5	Pass
					3.8	-10.843	-0.0132	-2.5 to 2.5	Pass
					4.35	-10.343	-0.0126	-2.5 to 2.5	Pass
				-30	3.8	-10.843	-0.0132	-2.5 to 2.5	Pass
				-20	3.8	-10.872	-0.0133	-2.5 to 2.5	Pass
				-10	3.8	-10.142	-0.0124	-2.5 to 2.5	Pass
				0	3.8	-9.842	-0.0120	-2.5 to 2.5	Pass
				10	3.8	-9.556	-0.0117	-2.5 to 2.5	Pass
				30	3.8	-8.440	-0.0103	-2.5 to 2.5	Pass
				40	3.8	-7.811	-0.0095	-2.5 to 2.5	Pass
				50	3.8	-7.367	-0.0090	-2.5 to 2.5	Pass
	819	50	0	20	3.5	-4.964	-0.0061	-2.5 to 2.5	Pass
					3.8	-7.081	-0.0086	-2.5 to 2.5	Pass
					4.35	-5.836	-0.0071	-2.5 to 2.5	Pass
				-30	3.8	-4.692	-0.0057	-2.5 to 2.5	Pass
				-20	3.8	-2.375	-0.0029	-2.5 to 2.5	Pass
				-10	3.8	-0.072	-0.0001	-2.5 to 2.5	Pass

				0	3.8	1.945	0.0024	-2.5 to 2.5	Pass
				10	3.8	3.405	0.0042	-2.5 to 2.5	Pass
				30	3.8	5.136	0.0063	-2.5 to 2.5	Pass
				40	3.8	7.496	0.0092	-2.5 to 2.5	Pass
				50	3.8	8.612	0.0105	-2.5 to 2.5	Pass
	819	50	0	20	3.5	-0.215	-0.0003	-2.5 to 2.5	Pass
					3.8	-0.429	-0.0005	-2.5 to 2.5	Pass
					4.35	1.316	0.0016	-2.5 to 2.5	Pass
				-30	3.8	2.933	0.0036	-2.5 to 2.5	Pass
				-20	3.8	5.651	0.0069	-2.5 to 2.5	Pass
				-10	3.8	7.539	0.0092	-2.5 to 2.5	Pass
				0	3.8	10.142	0.0124	-2.5 to 2.5	Pass
				10	3.8	12.217	0.0149	-2.5 to 2.5	Pass
				30	3.8	14.162	0.0173	-2.5 to 2.5	Pass
				40	3.8	16.108	0.0197	-2.5 to 2.5	Pass
				50	3.8	18.067	0.0221	-2.5 to 2.5	Pass
16QAM	819	50	0	20	3.5	-7.095	-0.0087	-2.5 to 2.5	Pass
					3.8	-7.753	-0.0095	-2.5 to 2.5	Pass
					4.35	-7.367	-0.0090	-2.5 to 2.5	Pass
				-30	3.8	-6.952	-0.0085	-2.5 to 2.5	Pass
				-20	3.8	-6.595	-0.0081	-2.5 to 2.5	Pass
				-10	3.8	-6.781	-0.0083	-2.5 to 2.5	Pass
				0	3.8	-5.550	-0.0068	-2.5 to 2.5	Pass
				10	3.8	-4.864	-0.0059	-2.5 to 2.5	Pass
				30	3.8	-4.692	-0.0057	-2.5 to 2.5	Pass
				40	3.8	-4.306	-0.0053	-2.5 to 2.5	Pass
				50	3.8	-4.048	-0.0049	-2.5 to 2.5	Pass
	819	50	0	20	3.5	-1.674	-0.0020	-2.5 to 2.5	Pass
					3.8	-1.588	-0.0019	-2.5 to 2.5	Pass
					4.35	-1.445	-0.0018	-2.5 to 2.5	Pass
				-30	3.8	-0.687	-0.0008	-2.5 to 2.5	Pass
				-20	3.8	-0.587	-0.0007	-2.5 to 2.5	Pass
				-10	3.8	-0.372	-0.0005	-2.5 to 2.5	Pass
				0	3.8	-0.143	-0.0002	-2.5 to 2.5	Pass
				10	3.8	-0.215	-0.0003	-2.5 to 2.5	Pass
				30	3.8	0.172	0.0002	-2.5 to 2.5	Pass
				40	3.8	0.629	0.0008	-2.5 to 2.5	Pass
				50	3.8	1.016	0.0012	-2.5 to 2.5	Pass
	819	50	0	20	3.5	-5.093	-0.0062	-2.5 to 2.5	Pass
					3.8	-5.150	-0.0063	-2.5 to 2.5	Pass
					4.35	-5.178	-0.0063	-2.5 to 2.5	Pass
				-30	3.8	-5.007	-0.0061	-2.5 to 2.5	Pass
				-20	3.8	-4.563	-0.0056	-2.5 to 2.5	Pass
				-10	3.8	-4.063	-0.0050	-2.5 to 2.5	Pass
				0	3.8	-3.676	-0.0045	-2.5 to 2.5	Pass
				10	3.8	-3.376	-0.0041	-2.5 to 2.5	Pass
				30	3.8	-2.861	-0.0035	-2.5 to 2.5	Pass
				40	3.8	-2.546	-0.0031	-2.5 to 2.5	Pass
				50	3.8	-2.217	-0.0027	-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	-3.104	-0.0038	-2.5 to 2.5	Pass
					3.8	-2.718	-0.0033	-2.5 to 2.5	Pass
					4.35	-2.060	-0.0025	-2.5 to 2.5	Pass
				-30	3.8	-0.916	-0.0011	-2.5 to 2.5	Pass
				-20	3.8	-0.558	-0.0007	-2.5 to 2.5	Pass
				-10	3.8	0.286	0.0003	-2.5 to 2.5	Pass
				0	3.8	0.587	0.0007	-2.5 to 2.5	Pass
				10	3.8	1.216	0.0015	-2.5 to 2.5	Pass
				30	3.8	1.960	0.0024	-2.5 to 2.5	Pass
				40	3.8	2.575	0.0031	-2.5 to 2.5	Pass
				50	3.8	3.276	0.0040	-2.5 to 2.5	Pass
	836.5	6	0	20	3.5	-5.636	-0.0067	-2.5 to 2.5	Pass
					3.8	-8.154	-0.0097	-2.5 to 2.5	Pass
					4.35	-6.638	-0.0079	-2.5 to 2.5	Pass
				-30	3.8	-5.121	-0.0061	-2.5 to 2.5	Pass
				-20	3.8	-4.177	-0.0050	-2.5 to 2.5	Pass
				-10	3.8	-3.190	-0.0038	-2.5 to 2.5	Pass
				0	3.8	-1.402	-0.0017	-2.5 to 2.5	Pass
				10	3.8	-0.229	-0.0003	-2.5 to 2.5	Pass
				30	3.8	1.316	0.0016	-2.5 to 2.5	Pass
				40	3.8	2.589	0.0031	-2.5 to 2.5	Pass
				50	3.8	4.478	0.0054	-2.5 to 2.5	Pass
	848.3	6	0	20	3.5	-25.277	-0.0298	-2.5 to 2.5	Pass
					3.8	-26.865	-0.0317	-2.5 to 2.5	Pass
					4.35	-26.593	-0.0313	-2.5 to 2.5	Pass
				-30	3.8	-25.578	-0.0302	-2.5 to 2.5	Pass
				-20	3.8	-24.490	-0.0289	-2.5 to 2.5	Pass
				-10	3.8	-23.561	-0.0278	-2.5 to 2.5	Pass
				0	3.8	-22.187	-0.0262	-2.5 to 2.5	Pass
				10	3.8	-20.442	-0.0241	-2.5 to 2.5	Pass
				30	3.8	-18.740	-0.0221	-2.5 to 2.5	Pass
				40	3.8	-17.395	-0.0205	-2.5 to 2.5	Pass
				50	3.8	-15.635	-0.0184	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.5	-47.822	-0.0580	-2.5 to 2.5	Pass
					3.8	-10.972	-0.0133	-2.5 to 2.5	Pass
					4.35	-10.257	-0.0124	-2.5 to 2.5	Pass
				-30	3.8	-9.556	-0.0116	-2.5 to 2.5	Pass
				-20	3.8	-8.612	-0.0104	-2.5 to 2.5	Pass
				-10	3.8	-8.526	-0.0103	-2.5 to 2.5	Pass
				0	3.8	-7.110	-0.0086	-2.5 to 2.5	Pass
				10	3.8	-5.879	-0.0071	-2.5 to 2.5	Pass
				30	3.8	-4.406	-0.0053	-2.5 to 2.5	Pass
				40	3.8	-3.705	-0.0045	-2.5 to 2.5	Pass
				50	3.8	-2.561	-0.0031	-2.5 to 2.5	Pass
	836.5	6	0	20	3.5	-10.271	-0.0123	-2.5 to 2.5	Pass
					3.8	-10.071	-0.0120	-2.5 to 2.5	Pass
					4.35	-10.085	-0.0121	-2.5 to 2.5	Pass
				-30	3.8	-9.527	-0.0114	-2.5 to 2.5	Pass
				-20	3.8	-8.812	-0.0105	-2.5 to 2.5	Pass
				-10	3.8	-8.197	-0.0098	-2.5 to 2.5	Pass
				0	3.8	-8.211	-0.0098	-2.5 to 2.5	Pass
				10	3.8	-7.453	-0.0089	-2.5 to 2.5	Pass
				30	3.8	-7.153	-0.0086	-2.5 to 2.5	Pass
				40	3.8	-6.595	-0.0079	-2.5 to 2.5	Pass
				50	3.8	-5.937	-0.0071	-2.5 to 2.5	Pass
	848.3	6	0	20	3.5	-46.821	-0.0552	-2.5 to 2.5	Pass

					3.8	-48.652	-0.0574	-2.5 to 2.5	Pass
					4.35	-6.967	-0.0082	-2.5 to 2.5	Pass
				-30	3.8	-6.466	-0.0076	-2.5 to 2.5	Pass
				-20	3.8	-5.779	-0.0068	-2.5 to 2.5	Pass
				-10	3.8	-5.250	-0.0062	-2.5 to 2.5	Pass
				0	3.8	-4.392	-0.0052	-2.5 to 2.5	Pass
				10	3.8	-4.377	-0.0052	-2.5 to 2.5	Pass
				30	3.8	-3.333	-0.0039	-2.5 to 2.5	Pass
				40	3.8	-2.718	-0.0032	-2.5 to 2.5	Pass
				50	3.8	-2.360	-0.0028	-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	-26.021	-0.0315	-2.5 to 2.5	Pass
					3.8	-27.194	-0.0329	-2.5 to 2.5	Pass
					4.35	-27.308	-0.0331	-2.5 to 2.5	Pass
				-30	3.8	-27.595	-0.0334	-2.5 to 2.5	Pass
				-20	3.8	-27.494	-0.0333	-2.5 to 2.5	Pass
				-10	3.8	-27.595	-0.0334	-2.5 to 2.5	Pass
				0	3.8	-27.723	-0.0336	-2.5 to 2.5	Pass
				10	3.8	-27.208	-0.0330	-2.5 to 2.5	Pass
				30	3.8	-26.979	-0.0327	-2.5 to 2.5	Pass
				40	3.8	-26.579	-0.0322	-2.5 to 2.5	Pass
				50	3.8	-26.236	-0.0318	-2.5 to 2.5	Pass
	836.5	15	0	20	3.5	-26.364	-0.0315	-2.5 to 2.5	Pass
					3.8	-27.266	-0.0326	-2.5 to 2.5	Pass
					4.35	-27.251	-0.0326	-2.5 to 2.5	Pass
				-30	3.8	-27.523	-0.0329	-2.5 to 2.5	Pass
				-20	3.8	-27.251	-0.0326	-2.5 to 2.5	Pass
				-10	3.8	-26.708	-0.0319	-2.5 to 2.5	Pass
				0	3.8	-26.793	-0.0320	-2.5 to 2.5	Pass
				10	3.8	-26.336	-0.0315	-2.5 to 2.5	Pass
				30	3.8	-26.107	-0.0312	-2.5 to 2.5	Pass
				40	3.8	-25.606	-0.0306	-2.5 to 2.5	Pass
				50	3.8	-25.735	-0.0308	-2.5 to 2.5	Pass
	847.5	15	0	20	3.5	-47.851	-0.0565	-2.5 to 2.5	Pass
					3.8	-47.765	-0.0564	-2.5 to 2.5	Pass
					4.35	-46.306	-0.0546	-2.5 to 2.5	Pass
				-30	3.8	-44.618	-0.0526	-2.5 to 2.5	Pass
				-20	3.8	-42.858	-0.0506	-2.5 to 2.5	Pass
				-10	3.8	-40.927	-0.0483	-2.5 to 2.5	Pass
				0	3.8	-39.811	-0.0470	-2.5 to 2.5	Pass
				10	3.8	-38.810	-0.0458	-2.5 to 2.5	Pass
				30	3.8	-37.107	-0.0438	-2.5 to 2.5	Pass
				40	3.8	-35.777	-0.0422	-2.5 to 2.5	Pass
				50	3.8	-34.490	-0.0407	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.5	-22.559	-0.0273	-2.5 to 2.5	Pass
					3.8	-22.802	-0.0276	-2.5 to 2.5	Pass
					4.35	-23.546	-0.0285	-2.5 to 2.5	Pass
				-30	3.8	-23.632	-0.0286	-2.5 to 2.5	Pass
				-20	3.8	-23.661	-0.0287	-2.5 to 2.5	Pass
				-10	3.8	-23.861	-0.0289	-2.5 to 2.5	Pass

				0	3.8	-23.818	-0.0289	-2.5 to 2.5	Pass
				10	3.8	-23.761	-0.0288	-2.5 to 2.5	Pass
				30	3.8	-23.746	-0.0288	-2.5 to 2.5	Pass
				40	3.8	-23.675	-0.0287	-2.5 to 2.5	Pass
				50	3.8	-23.775	-0.0288	-2.5 to 2.5	Pass
	836.5	15	0	20	3.5	-6.723	-0.0080	-2.5 to 2.5	Pass
					3.8	-7.381	-0.0088	-2.5 to 2.5	Pass
					4.35	-7.939	-0.0095	-2.5 to 2.5	Pass
				-30	3.8	-8.111	-0.0097	-2.5 to 2.5	Pass
				-20	3.8	-7.668	-0.0092	-2.5 to 2.5	Pass
				-10	3.8	-7.668	-0.0092	-2.5 to 2.5	Pass
				0	3.8	-7.982	-0.0095	-2.5 to 2.5	Pass
				10	3.8	-7.696	-0.0092	-2.5 to 2.5	Pass
				30	3.8	-7.582	-0.0091	-2.5 to 2.5	Pass
				40	3.8	-7.625	-0.0091	-2.5 to 2.5	Pass
				50	3.8	-7.396	-0.0088	-2.5 to 2.5	Pass
	847.5	15	0	20	3.5	-0.758	-0.0009	-2.5 to 2.5	Pass
					3.8	-2.160	-0.0025	-2.5 to 2.5	Pass
					4.35	-1.602	-0.0019	-2.5 to 2.5	Pass
				-30	3.8	-1.516	-0.0018	-2.5 to 2.5	Pass
				-20	3.8	-0.830	-0.0010	-2.5 to 2.5	Pass
				-10	3.8	-0.343	-0.0004	-2.5 to 2.5	Pass
				0	3.8	0.386	0.0005	-2.5 to 2.5	Pass
				10	3.8	1.016	0.0012	-2.5 to 2.5	Pass
				30	3.8	2.046	0.0024	-2.5 to 2.5	Pass
				40	3.8	2.346	0.0028	-2.5 to 2.5	Pass
				50	3.8	3.290	0.0039	-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	-11.787	-0.0143	-2.5 to 2.5	Pass
					3.8	-12.589	-0.0152	-2.5 to 2.5	Pass
					4.35	-12.660	-0.0153	-2.5 to 2.5	Pass
				-30	3.8	-12.703	-0.0154	-2.5 to 2.5	Pass
				-20	3.8	-12.388	-0.0150	-2.5 to 2.5	Pass
				-10	3.8	-12.445	-0.0151	-2.5 to 2.5	Pass
				0	3.8	-12.460	-0.0151	-2.5 to 2.5	Pass
				10	3.8	-12.345	-0.0149	-2.5 to 2.5	Pass
				30	3.8	-12.431	-0.0150	-2.5 to 2.5	Pass
				40	3.8	-12.188	-0.0147	-2.5 to 2.5	Pass
				50	3.8	-12.374	-0.0150	-2.5 to 2.5	Pass
	836.5	25	0	20	3.5	-16.751	-0.0200	-2.5 to 2.5	Pass
					3.8	-16.637	-0.0199	-2.5 to 2.5	Pass
					4.35	-16.308	-0.0195	-2.5 to 2.5	Pass
				-30	3.8	-15.764	-0.0188	-2.5 to 2.5	Pass
				-20	3.8	-14.806	-0.0177	-2.5 to 2.5	Pass
				-10	3.8	-14.377	-0.0172	-2.5 to 2.5	Pass
				0	3.8	-13.747	-0.0164	-2.5 to 2.5	Pass
				10	3.8	-13.075	-0.0156	-2.5 to 2.5	Pass
				30	3.8	-12.231	-0.0146	-2.5 to 2.5	Pass
				40	3.8	-11.601	-0.0139	-2.5 to 2.5	Pass
				50	3.8	-11.415	-0.0136	-2.5 to 2.5	Pass

	846.5	25	0	20	3.5	-4.292	-0.0051	-2.5 to 2.5	Pass
					3.8	-4.764	-0.0056	-2.5 to 2.5	Pass
					4.35	-4.034	-0.0048	-2.5 to 2.5	Pass
				-30	3.8	-2.389	-0.0028	-2.5 to 2.5	Pass
				-20	3.8	-1.574	-0.0019	-2.5 to 2.5	Pass
				-10	3.8	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	3.8	1.173	0.0014	-2.5 to 2.5	Pass
				10	3.8	2.174	0.0026	-2.5 to 2.5	Pass
				30	3.8	3.147	0.0037	-2.5 to 2.5	Pass
				40	3.8	4.106	0.0049	-2.5 to 2.5	Pass
				50	3.8	4.864	0.0057	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.5	-11.587	-0.0140	-2.5 to 2.5	Pass
					3.8	-11.373	-0.0138	-2.5 to 2.5	Pass
					4.35	-10.557	-0.0128	-2.5 to 2.5	Pass
				-30	3.8	-9.184	-0.0111	-2.5 to 2.5	Pass
				-20	3.8	-8.340	-0.0101	-2.5 to 2.5	Pass
				-10	3.8	-7.195	-0.0087	-2.5 to 2.5	Pass
				0	3.8	-6.080	-0.0074	-2.5 to 2.5	Pass
				10	3.8	-4.721	-0.0057	-2.5 to 2.5	Pass
				30	3.8	-3.519	-0.0043	-2.5 to 2.5	Pass
				40	3.8	-2.031	-0.0025	-2.5 to 2.5	Pass
				50	3.8	-0.615	-0.0007	-2.5 to 2.5	Pass
	836.5	25	0	20	3.5	-8.798	-0.0105	-2.5 to 2.5	Pass
					3.8	-9.956	-0.0119	-2.5 to 2.5	Pass
					4.35	-9.699	-0.0116	-2.5 to 2.5	Pass
				-30	3.8	-9.713	-0.0116	-2.5 to 2.5	Pass
				-20	3.8	-9.999	-0.0120	-2.5 to 2.5	Pass
				-10	3.8	-9.599	-0.0115	-2.5 to 2.5	Pass
				0	3.8	-9.456	-0.0113	-2.5 to 2.5	Pass
				10	3.8	-9.184	-0.0110	-2.5 to 2.5	Pass
				30	3.8	-8.583	-0.0103	-2.5 to 2.5	Pass
				40	3.8	-8.240	-0.0099	-2.5 to 2.5	Pass
				50	3.8	-8.426	-0.0101	-2.5 to 2.5	Pass
	846.5	25	0	20	3.5	-4.592	-0.0054	-2.5 to 2.5	Pass
					3.8	-5.779	-0.0068	-2.5 to 2.5	Pass
					4.35	-5.636	-0.0067	-2.5 to 2.5	Pass
				-30	3.8	-4.992	-0.0059	-2.5 to 2.5	Pass
				-20	3.8	-4.821	-0.0057	-2.5 to 2.5	Pass
				-10	3.8	-4.392	-0.0052	-2.5 to 2.5	Pass
				0	3.8	-4.320	-0.0051	-2.5 to 2.5	Pass
				10	3.8	-3.791	-0.0045	-2.5 to 2.5	Pass
				30	3.8	-3.633	-0.0043	-2.5 to 2.5	Pass
				40	3.8	-2.933	-0.0035	-2.5 to 2.5	Pass
				50	3.8	-2.518	-0.0030	-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	-2.546	-0.0031	-2.5 to 2.5	Pass
					3.8	-3.104	-0.0037	-2.5 to 2.5	Pass
					4.35	-2.718	-0.0033	-2.5 to 2.5	Pass
				-30	3.8	-2.446	-0.0030	-2.5 to 2.5	Pass
				-20	3.8	-2.890	-0.0035	-2.5 to 2.5	Pass

				-10	3.8	-2.646	-0.0032	-2.5 to 2.5	Pass
				0	3.8	-2.961	-0.0036	-2.5 to 2.5	Pass
				10	3.8	-2.389	-0.0029	-2.5 to 2.5	Pass
				30	3.8	-1.702	-0.0021	-2.5 to 2.5	Pass
				40	3.8	-1.574	-0.0019	-2.5 to 2.5	Pass
				50	3.8	-0.901	-0.0011	-2.5 to 2.5	Pass
	836.5	50	0	20	3.5	-7.567	-0.0090	-2.5 to 2.5	Pass
					3.8	-7.911	-0.0095	-2.5 to 2.5	Pass
					4.35	-6.452	-0.0077	-2.5 to 2.5	Pass
				-30	3.8	-5.250	-0.0063	-2.5 to 2.5	Pass
				-20	3.8	-4.549	-0.0054	-2.5 to 2.5	Pass
				-10	3.8	-2.947	-0.0035	-2.5 to 2.5	Pass
				0	3.8	-2.089	-0.0025	-2.5 to 2.5	Pass
				10	3.8	-0.901	-0.0011	-2.5 to 2.5	Pass
				30	3.8	-0.315	-0.0004	-2.5 to 2.5	Pass
				40	3.8	1.044	0.0012	-2.5 to 2.5	Pass
				50	3.8	1.988	0.0024	-2.5 to 2.5	Pass
	844	50	0	20	3.5	-5.736	-0.0068	-2.5 to 2.5	Pass
					3.8	-5.422	-0.0064	-2.5 to 2.5	Pass
					4.35	-4.249	-0.0050	-2.5 to 2.5	Pass
				-30	3.8	-3.204	-0.0038	-2.5 to 2.5	Pass
				-20	3.8	-2.303	-0.0027	-2.5 to 2.5	Pass
				-10	3.8	-1.245	-0.0015	-2.5 to 2.5	Pass
				0	3.8	-0.386	-0.0005	-2.5 to 2.5	Pass
				10	3.8	0.529	0.0006	-2.5 to 2.5	Pass
				30	3.8	1.960	0.0023	-2.5 to 2.5	Pass
				40	3.8	2.689	0.0032	-2.5 to 2.5	Pass
				50	3.8	3.591	0.0043	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.5	-45.104	-0.0544	-2.5 to 2.5	Pass
					3.8	-45.376	-0.0547	-2.5 to 2.5	Pass
					4.35	-43.988	-0.0531	-2.5 to 2.5	Pass
				-30	3.8	-43.216	-0.0521	-2.5 to 2.5	Pass
				-20	3.8	-41.842	-0.0505	-2.5 to 2.5	Pass
				-10	3.8	-39.425	-0.0476	-2.5 to 2.5	Pass
				0	3.8	-38.323	-0.0462	-2.5 to 2.5	Pass
				10	3.8	-37.293	-0.0450	-2.5 to 2.5	Pass
				30	3.8	-36.578	-0.0441	-2.5 to 2.5	Pass
				40	3.8	-35.048	-0.0423	-2.5 to 2.5	Pass
				50	3.8	-34.275	-0.0413	-2.5 to 2.5	Pass
	836.5	50	0	20	3.5	-7.195	-0.0086	-2.5 to 2.5	Pass
					3.8	-6.223	-0.0074	-2.5 to 2.5	Pass
					4.35	-4.292	-0.0051	-2.5 to 2.5	Pass
				-30	3.8	-2.232	-0.0027	-2.5 to 2.5	Pass
				-20	3.8	0.329	0.0004	-2.5 to 2.5	Pass
				-10	3.8	2.675	0.0032	-2.5 to 2.5	Pass
				0	3.8	5.379	0.0064	-2.5 to 2.5	Pass
				10	3.8	6.537	0.0078	-2.5 to 2.5	Pass
				30	3.8	9.556	0.0114	-2.5 to 2.5	Pass
				40	3.8	11.516	0.0138	-2.5 to 2.5	Pass
				50	3.8	13.404	0.0160	-2.5 to 2.5	Pass
	844	50	0	20	3.5	-3.076	-0.0036	-2.5 to 2.5	Pass
					3.8	-3.591	-0.0043	-2.5 to 2.5	Pass
					4.35	-3.633	-0.0043	-2.5 to 2.5	Pass
				-30	3.8	-3.505	-0.0042	-2.5 to 2.5	Pass
				-20	3.8	-2.646	-0.0031	-2.5 to 2.5	Pass
				-10	3.8	-2.375	-0.0028	-2.5 to 2.5	Pass
				0	3.8	-1.788	-0.0021	-2.5 to 2.5	Pass
				10	3.8	-0.944	-0.0011	-2.5 to 2.5	Pass
				30	3.8	-0.229	-0.0003	-2.5 to 2.5	Pass

				40	3.8	0.043	0.0001	-2.5 to 2.5	Pass
				50	3.8	0.472	0.0006	-2.5 to 2.5	Pass

8.5 B26c_15MHz

8.5.1 Test Result

Band: 26c / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	831.5	75	0	20	3.5	-7.081	-0.0085	-2.5 to 2.5	Pass
					3.8	-7.610	-0.0092	-2.5 to 2.5	Pass
					4.35	-7.396	-0.0089	-2.5 to 2.5	Pass
				-30	3.8	-7.110	-0.0086	-2.5 to 2.5	Pass
				-20	3.8	-6.838	-0.0082	-2.5 to 2.5	Pass
				-10	3.8	-6.824	-0.0082	-2.5 to 2.5	Pass
				0	3.8	-6.180	-0.0074	-2.5 to 2.5	Pass
				10	3.8	-5.565	-0.0067	-2.5 to 2.5	Pass
				30	3.8	-5.264	-0.0063	-2.5 to 2.5	Pass
				40	3.8	-4.277	-0.0051	-2.5 to 2.5	Pass
				50	3.8	-3.805	-0.0046	-2.5 to 2.5	Pass
	841.5	75	0	20	3.5	-5.679	-0.0067	-2.5 to 2.5	Pass
					3.8	-5.679	-0.0067	-2.5 to 2.5	Pass
					4.35	-4.377	-0.0052	-2.5 to 2.5	Pass
				-30	3.8	-2.775	-0.0033	-2.5 to 2.5	Pass
				-20	3.8	-0.229	-0.0003	-2.5 to 2.5	Pass
				-10	3.8	2.432	0.0029	-2.5 to 2.5	Pass
				0	3.8	4.034	0.0048	-2.5 to 2.5	Pass
				10	3.8	6.037	0.0072	-2.5 to 2.5	Pass
				30	3.8	7.725	0.0092	-2.5 to 2.5	Pass
				40	3.8	9.556	0.0114	-2.5 to 2.5	Pass
				50	3.8	11.315	0.0134	-2.5 to 2.5	Pass
16QAM	831.5	75	0	20	3.5	-3.433	-0.0041	-2.5 to 2.5	Pass
					3.8	-2.890	-0.0035	-2.5 to 2.5	Pass
					4.35	-2.646	-0.0032	-2.5 to 2.5	Pass
				-30	3.8	-1.817	-0.0022	-2.5 to 2.5	Pass
				-20	3.8	-1.545	-0.0019	-2.5 to 2.5	Pass
				-10	3.8	-1.302	-0.0016	-2.5 to 2.5	Pass
				0	3.8	-0.730	-0.0009	-2.5 to 2.5	Pass
				10	3.8	-1.030	-0.0012	-2.5 to 2.5	Pass
				30	3.8	0.014	0.0000	-2.5 to 2.5	Pass
				40	3.8	0.300	0.0004	-2.5 to 2.5	Pass
				50	3.8	0.744	0.0009	-2.5 to 2.5	Pass
	841.5	75	0	20	3.5	12.760	0.0152	-2.5 to 2.5	Pass
					3.8	13.733	0.0163	-2.5 to 2.5	Pass
					4.35	15.335	0.0182	-2.5 to 2.5	Pass
				-30	3.8	16.136	0.0192	-2.5 to 2.5	Pass
				-20	3.8	17.281	0.0205	-2.5 to 2.5	Pass
				-10	3.8	18.182	0.0216	-2.5 to 2.5	Pass
				0	3.8	18.654	0.0222	-2.5 to 2.5	Pass
				10	3.8	19.455	0.0231	-2.5 to 2.5	Pass
				30	3.8	20.013	0.0238	-2.5 to 2.5	Pass
				40	3.8	20.471	0.0243	-2.5 to 2.5	Pass
				50	3.8	21.472	0.0255	-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	-41.142	-0.0161	-2.5 to 2.5	Pass
					3.8	-24.834	-0.0097	-2.5 to 2.5	Pass
					4.35	-20.356	-0.0080	-2.5 to 2.5	Pass
				-30	3.8	-24.290	-0.0095	-2.5 to 2.5	Pass
				-20	3.8	-31.471	-0.0124	-2.5 to 2.5	Pass
				-10	3.8	-24.834	-0.0097	-2.5 to 2.5	Pass
				0	3.8	-25.921	-0.0102	-2.5 to 2.5	Pass
				10	3.8	-27.781	-0.0109	-2.5 to 2.5	Pass
				30	3.8	-22.902	-0.0090	-2.5 to 2.5	Pass
				40	3.8	-20.914	-0.0082	-2.5 to 2.5	Pass
				50	3.8	-20.385	-0.0080	-2.5 to 2.5	Pass
	2600	25	0	20	3.5	-29.955	-0.0115	-2.5 to 2.5	Pass
					3.8	-33.188	-0.0128	-2.5 to 2.5	Pass
					4.35	-32.845	-0.0126	-2.5 to 2.5	Pass
				-30	3.8	-34.847	-0.0134	-2.5 to 2.5	Pass
				-20	3.8	-31.214	-0.0120	-2.5 to 2.5	Pass
				-10	3.8	-32.301	-0.0124	-2.5 to 2.5	Pass
				0	3.8	-31.958	-0.0123	-2.5 to 2.5	Pass
				10	3.8	-36.063	-0.0139	-2.5 to 2.5	Pass
				30	3.8	-36.278	-0.0140	-2.5 to 2.5	Pass
				40	3.8	-34.733	-0.0134	-2.5 to 2.5	Pass
				50	3.8	-35.563	-0.0137	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.5	-28.496	-0.0107	-2.5 to 2.5	Pass
					3.8	-30.198	-0.0114	-2.5 to 2.5	Pass
					4.35	-29.783	-0.0112	-2.5 to 2.5	Pass
				-30	3.8	-31.514	-0.0119	-2.5 to 2.5	Pass
				-20	3.8	-32.387	-0.0122	-2.5 to 2.5	Pass
				-10	3.8	-28.811	-0.0109	-2.5 to 2.5	Pass
				0	3.8	-28.124	-0.0106	-2.5 to 2.5	Pass
				10	3.8	-27.766	-0.0105	-2.5 to 2.5	Pass
				30	3.8	-26.879	-0.0101	-2.5 to 2.5	Pass
				40	3.8	-27.494	-0.0104	-2.5 to 2.5	Pass
				50	3.8	-26.722	-0.0101	-2.5 to 2.5	Pass
16QAM	2547.5	25	0	20	3.5	-21.043	-0.0083	-2.5 to 2.5	Pass
					3.8	-18.482	-0.0073	-2.5 to 2.5	Pass
					4.35	-20.299	-0.0080	-2.5 to 2.5	Pass
				-30	3.8	-14.591	-0.0057	-2.5 to 2.5	Pass
				-20	3.8	-14.648	-0.0057	-2.5 to 2.5	Pass
				-10	3.8	-13.690	-0.0054	-2.5 to 2.5	Pass
				0	3.8	-12.989	-0.0051	-2.5 to 2.5	Pass
				10	3.8	-11.201	-0.0044	-2.5 to 2.5	Pass
				30	3.8	-11.730	-0.0046	-2.5 to 2.5	Pass
				40	3.8	-11.630	-0.0046	-2.5 to 2.5	Pass
				50	3.8	-9.913	-0.0039	-2.5 to 2.5	Pass
	2600	25	0	20	3.5	-36.435	-0.0140	-2.5 to 2.5	Pass
					3.8	-37.851	-0.0146	-2.5 to 2.5	Pass
					4.35	-36.778	-0.0141	-2.5 to 2.5	Pass
				-30	3.8	-38.867	-0.0149	-2.5 to 2.5	Pass
				-20	3.8	-37.494	-0.0144	-2.5 to 2.5	Pass

				-10	3.8	-40.169	-0.0154	-2.5 to 2.5	Pass
				0	3.8	-41.199	-0.0158	-2.5 to 2.5	Pass
				10	3.8	-40.011	-0.0154	-2.5 to 2.5	Pass
				30	3.8	-41.785	-0.0161	-2.5 to 2.5	Pass
				40	3.8	-43.030	-0.0166	-2.5 to 2.5	Pass
				50	3.8	-42.429	-0.0163	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.5	-23.274	-0.0088	-2.5 to 2.5	Pass
					3.8	-22.216	-0.0084	-2.5 to 2.5	Pass
					4.35	-23.518	-0.0089	-2.5 to 2.5	Pass
				-30	3.8	-21.272	-0.0080	-2.5 to 2.5	Pass
				-20	3.8	-19.655	-0.0074	-2.5 to 2.5	Pass
				-10	3.8	-16.451	-0.0062	-2.5 to 2.5	Pass
				0	3.8	-17.266	-0.0065	-2.5 to 2.5	Pass
				10	3.8	-17.552	-0.0066	-2.5 to 2.5	Pass
				30	3.8	-15.607	-0.0059	-2.5 to 2.5	Pass
				40	3.8	-16.079	-0.0061	-2.5 to 2.5	Pass
				50	3.8	-13.304	-0.0050	-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	-58.465	-0.0229	-2.5 to 2.5	Pass
					3.8	-46.391	-0.0182	-2.5 to 2.5	Pass
					4.35	-46.420	-0.0182	-2.5 to 2.5	Pass
				-30	3.8	-46.792	-0.0183	-2.5 to 2.5	Pass
				-20	3.8	-58.537	-0.0230	-2.5 to 2.5	Pass
				-10	3.8	-57.106	-0.0224	-2.5 to 2.5	Pass
				0	3.8	-40.827	-0.0160	-2.5 to 2.5	Pass
				10	3.8	-53.873	-0.0211	-2.5 to 2.5	Pass
				30	3.8	-51.699	-0.0203	-2.5 to 2.5	Pass
				40	3.8	-34.690	-0.0136	-2.5 to 2.5	Pass
				50	3.8	-47.479	-0.0186	-2.5 to 2.5	Pass
	2600	50	0	20	3.5	-32.959	-0.0127	-2.5 to 2.5	Pass
					3.8	-32.473	-0.0125	-2.5 to 2.5	Pass
					4.35	-33.202	-0.0128	-2.5 to 2.5	Pass
				-30	3.8	-37.293	-0.0143	-2.5 to 2.5	Pass
				-20	3.8	-40.126	-0.0154	-2.5 to 2.5	Pass
				-10	3.8	-41.671	-0.0160	-2.5 to 2.5	Pass
				0	3.8	-39.654	-0.0153	-2.5 to 2.5	Pass
				10	3.8	-40.512	-0.0156	-2.5 to 2.5	Pass
				30	3.8	-44.217	-0.0170	-2.5 to 2.5	Pass
				40	3.8	-45.118	-0.0174	-2.5 to 2.5	Pass
				50	3.8	-44.131	-0.0170	-2.5 to 2.5	Pass
	2650	50	0	20	3.5	-35.334	-0.0133	-2.5 to 2.5	Pass
					3.8	-26.178	-0.0099	-2.5 to 2.5	Pass
					4.35	-38.424	-0.0145	-2.5 to 2.5	Pass
				-30	3.8	-27.165	-0.0103	-2.5 to 2.5	Pass
				-20	3.8	-26.078	-0.0098	-2.5 to 2.5	Pass
				-10	3.8	-23.303	-0.0088	-2.5 to 2.5	Pass
				0	3.8	-20.370	-0.0077	-2.5 to 2.5	Pass
				10	3.8	-17.452	-0.0066	-2.5 to 2.5	Pass
				30	3.8	-15.335	-0.0058	-2.5 to 2.5	Pass
				40	3.8	-14.791	-0.0056	-2.5 to 2.5	Pass

				50	3.8	-12.116	-0.0046	-2.5 to 2.5	Pass
16QAM	2550	50	0	20	3.5	-31.300	-0.0123	-2.5 to 2.5	Pass
					3.8	-29.569	-0.0116	-2.5 to 2.5	Pass
					4.35	-35.806	-0.0140	-2.5 to 2.5	Pass
				-30	3.8	-27.294	-0.0107	-2.5 to 2.5	Pass
				-20	3.8	-40.870	-0.0160	-2.5 to 2.5	Pass
				-10	3.8	-26.665	-0.0105	-2.5 to 2.5	Pass
				0	3.8	-25.206	-0.0099	-2.5 to 2.5	Pass
				10	3.8	-25.477	-0.0100	-2.5 to 2.5	Pass
				30	3.8	-35.405	-0.0139	-2.5 to 2.5	Pass
				40	3.8	-23.232	-0.0091	-2.5 to 2.5	Pass
				50	3.8	-31.543	-0.0124	-2.5 to 2.5	Pass
	2600	50	0	20	3.5	-46.835	-0.0180	-2.5 to 2.5	Pass
					3.8	-47.636	-0.0183	-2.5 to 2.5	Pass
					4.35	-45.977	-0.0177	-2.5 to 2.5	Pass
				-30	3.8	-49.410	-0.0190	-2.5 to 2.5	Pass
				-20	3.8	-47.750	-0.0184	-2.5 to 2.5	Pass
				-10	3.8	11.687	0.0045	-2.5 to 2.5	Pass
				0	3.8	9.341	0.0036	-2.5 to 2.5	Pass
				10	3.8	9.727	0.0037	-2.5 to 2.5	Pass
				30	3.8	11.659	0.0045	-2.5 to 2.5	Pass
				40	3.8	10.700	0.0041	-2.5 to 2.5	Pass
				50	3.8	9.084	0.0035	-2.5 to 2.5	Pass
	2650	50	0	20	3.5	2.489	0.0009	-2.5 to 2.5	Pass
					3.8	-21.858	-0.0082	-2.5 to 2.5	Pass
					4.35	-6.638	-0.0025	-2.5 to 2.5	Pass
				-30	3.8	0.787	0.0003	-2.5 to 2.5	Pass
				-20	3.8	-6.752	-0.0025	-2.5 to 2.5	Pass
				-10	3.8	-18.139	-0.0068	-2.5 to 2.5	Pass
				0	3.8	-5.350	-0.0020	-2.5 to 2.5	Pass
				10	3.8	-3.705	-0.0014	-2.5 to 2.5	Pass
				30	3.8	5.379	0.0020	-2.5 to 2.5	Pass
				40	3.8	-16.365	-0.0062	-2.5 to 2.5	Pass
				50	3.8	-3.390	-0.0013	-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	-2.961	-0.0012	-2.5 to 2.5	Pass
					3.8	-5.765	-0.0023	-2.5 to 2.5	Pass
					4.35	-6.495	-0.0025	-2.5 to 2.5	Pass
				-30	3.8	-6.452	-0.0025	-2.5 to 2.5	Pass
				-20	3.8	-3.834	-0.0015	-2.5 to 2.5	Pass
				-10	3.8	-1.559	-0.0006	-2.5 to 2.5	Pass
				0	3.8	-1.087	-0.0004	-2.5 to 2.5	Pass
				10	3.8	1.960	0.0008	-2.5 to 2.5	Pass
				30	3.8	0.558	0.0002	-2.5 to 2.5	Pass
				40	3.8	5.250	0.0021	-2.5 to 2.5	Pass
				50	3.8	4.449	0.0017	-2.5 to 2.5	Pass
	2600	75	0	20	3.5	48.151	0.0185	-2.5 to 2.5	Pass
					3.8	42.000	0.0162	-2.5 to 2.5	Pass
					4.35	41.513	0.0160	-2.5 to 2.5	Pass
				-30	3.8	39.253	0.0151	-2.5 to 2.5	Pass

				-20	3.8	37.422	0.0144	-2.5 to 2.5	Pass
				-10	3.8	35.706	0.0137	-2.5 to 2.5	Pass
				0	3.8	34.504	0.0133	-2.5 to 2.5	Pass
				10	3.8	36.979	0.0142	-2.5 to 2.5	Pass
				30	3.8	32.129	0.0124	-2.5 to 2.5	Pass
				40	3.8	34.761	0.0134	-2.5 to 2.5	Pass
				50	3.8	30.098	0.0116	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.5	-31.643	-0.0120	-2.5 to 2.5	Pass
					3.8	-20.356	-0.0077	-2.5 to 2.5	Pass
					4.35	-21.586	-0.0082	-2.5 to 2.5	Pass
				-30	3.8	-20.313	-0.0077	-2.5 to 2.5	Pass
				-20	3.8	-33.417	-0.0126	-2.5 to 2.5	Pass
				-10	3.8	-27.695	-0.0105	-2.5 to 2.5	Pass
				0	3.8	-30.341	-0.0115	-2.5 to 2.5	Pass
				10	3.8	-11.187	-0.0042	-2.5 to 2.5	Pass
				30	3.8	-9.198	-0.0035	-2.5 to 2.5	Pass
				40	3.8	-8.440	-0.0032	-2.5 to 2.5	Pass
				50	3.8	-20.928	-0.0079	-2.5 to 2.5	Pass
16QAM	2552.5	75	0	20	3.5	5.980	0.0023	-2.5 to 2.5	Pass
					3.8	10.343	0.0041	-2.5 to 2.5	Pass
					4.35	9.627	0.0038	-2.5 to 2.5	Pass
				-30	3.8	11.859	0.0046	-2.5 to 2.5	Pass
				-20	3.8	9.727	0.0038	-2.5 to 2.5	Pass
				-10	3.8	14.405	0.0056	-2.5 to 2.5	Pass
				0	3.8	15.550	0.0061	-2.5 to 2.5	Pass
				10	3.8	13.704	0.0054	-2.5 to 2.5	Pass
				30	3.8	15.106	0.0059	-2.5 to 2.5	Pass
				40	3.8	15.178	0.0059	-2.5 to 2.5	Pass
				50	3.8	15.235	0.0060	-2.5 to 2.5	Pass
	2600	75	0	20	3.5	33.360	0.0128	-2.5 to 2.5	Pass
					3.8	29.111	0.0112	-2.5 to 2.5	Pass
					4.35	27.766	0.0107	-2.5 to 2.5	Pass
				-30	3.8	30.384	0.0117	-2.5 to 2.5	Pass
				-20	3.8	24.877	0.0096	-2.5 to 2.5	Pass
				-10	3.8	28.467	0.0109	-2.5 to 2.5	Pass
				0	3.8	23.746	0.0091	-2.5 to 2.5	Pass
				10	3.8	25.034	0.0096	-2.5 to 2.5	Pass
				30	3.8	22.287	0.0086	-2.5 to 2.5	Pass
				40	3.8	25.492	0.0098	-2.5 to 2.5	Pass
				50	3.8	24.590	0.0095	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.5	-12.403	-0.0047	-2.5 to 2.5	Pass
					3.8	-3.204	-0.0012	-2.5 to 2.5	Pass
					4.35	18.783	0.0071	-2.5 to 2.5	Pass
				-30	3.8	12.202	0.0046	-2.5 to 2.5	Pass
				-20	3.8	-2.689	-0.0010	-2.5 to 2.5	Pass
				-10	3.8	-0.772	-0.0003	-2.5 to 2.5	Pass
				0	3.8	17.624	0.0067	-2.5 to 2.5	Pass
				10	3.8	22.573	0.0085	-2.5 to 2.5	Pass
				30	3.8	2.604	0.0010	-2.5 to 2.5	Pass
				40	3.8	10.386	0.0039	-2.5 to 2.5	Pass
				50	3.8	3.362	0.0013	-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	-43.015	-0.0168	-2.5 to 2.5	Pass
					3.8	-47.007	-0.0184	-2.5 to 2.5	Pass
					4.35	-30.971	-0.0121	-2.5 to 2.5	Pass
				-30	3.8	-29.197	-0.0114	-2.5 to 2.5	Pass
				-20	3.8	-39.811	-0.0156	-2.5 to 2.5	Pass
				-10	3.8	-25.392	-0.0099	-2.5 to 2.5	Pass
				0	3.8	-24.376	-0.0095	-2.5 to 2.5	Pass
				10	3.8	-32.344	-0.0127	-2.5 to 2.5	Pass
				30	3.8	-20.385	-0.0080	-2.5 to 2.5	Pass
				40	3.8	-19.026	-0.0074	-2.5 to 2.5	Pass
				50	3.8	-17.853	-0.0070	-2.5 to 2.5	Pass
	2600	100	0	20	3.5	1.073	0.0004	-2.5 to 2.5	Pass
					3.8	17.481	0.0067	-2.5 to 2.5	Pass
					4.35	24.362	0.0094	-2.5 to 2.5	Pass
				-30	3.8	34.819	0.0134	-2.5 to 2.5	Pass
				-20	3.8	44.603	0.0172	-2.5 to 2.5	Pass
				-10	3.8	19.784	0.0076	-2.5 to 2.5	Pass
				0	3.8	-2.189	-0.0008	-2.5 to 2.5	Pass
				10	3.8	4.807	0.0018	-2.5 to 2.5	Pass
				30	3.8	8.383	0.0032	-2.5 to 2.5	Pass
				40	3.8	14.133	0.0054	-2.5 to 2.5	Pass
				50	3.8	18.339	0.0071	-2.5 to 2.5	Pass
	2645	100	0	20	3.5	-28.152	-0.0106	-2.5 to 2.5	Pass
					3.8	-19.927	-0.0075	-2.5 to 2.5	Pass
					4.35	-14.377	-0.0054	-2.5 to 2.5	Pass
				-30	3.8	-8.426	-0.0032	-2.5 to 2.5	Pass
				-20	3.8	-0.744	-0.0003	-2.5 to 2.5	Pass
				-10	3.8	5.593	0.0021	-2.5 to 2.5	Pass
				0	3.8	15.907	0.0060	-2.5 to 2.5	Pass
				10	3.8	18.311	0.0069	-2.5 to 2.5	Pass
				30	3.8	24.233	0.0092	-2.5 to 2.5	Pass
				40	3.8	28.238	0.0107	-2.5 to 2.5	Pass
				50	3.8	33.159	0.0125	-2.5 to 2.5	Pass
16QAM	2555	100	0	20	3.5	-16.451	-0.0064	-2.5 to 2.5	Pass
					3.8	-19.240	-0.0075	-2.5 to 2.5	Pass
					4.35	-13.232	-0.0052	-2.5 to 2.5	Pass
				-30	3.8	-14.119	-0.0055	-2.5 to 2.5	Pass
				-20	3.8	-25.206	-0.0099	-2.5 to 2.5	Pass
				-10	3.8	-27.623	-0.0108	-2.5 to 2.5	Pass
				0	3.8	-25.191	-0.0099	-2.5 to 2.5	Pass
				10	3.8	-17.452	-0.0068	-2.5 to 2.5	Pass
				30	3.8	-24.290	-0.0095	-2.5 to 2.5	Pass
				40	3.8	-18.954	-0.0074	-2.5 to 2.5	Pass
				50	3.8	-19.569	-0.0077	-2.5 to 2.5	Pass
	2600	100	0	20	3.5	23.932	0.0092	-2.5 to 2.5	Pass
					3.8	26.393	0.0102	-2.5 to 2.5	Pass
					4.35	29.726	0.0114	-2.5 to 2.5	Pass
				-30	3.8	32.530	0.0125	-2.5 to 2.5	Pass
				-20	3.8	33.875	0.0130	-2.5 to 2.5	Pass
				-10	3.8	35.977	0.0138	-2.5 to 2.5	Pass
				0	3.8	36.521	0.0140	-2.5 to 2.5	Pass
				10	3.8	39.682	0.0153	-2.5 to 2.5	Pass
				30	3.8	-38.466	-0.0148	-2.5 to 2.5	Pass
				40	3.8	-36.206	-0.0139	-2.5 to 2.5	Pass
				50	3.8	-32.644	-0.0126	-2.5 to 2.5	Pass
	2645	100	0	20	3.5	41.113	0.0155	-2.5 to 2.5	Pass
					3.8	44.017	0.0166	-2.5 to 2.5	Pass

					4.35	21.486	0.0081	-2.5 to 2.5	Pass
				-30	3.8	17.881	0.0068	-2.5 to 2.5	Pass
				-20	3.8	15.378	0.0058	-2.5 to 2.5	Pass
				-10	3.8	22.974	0.0087	-2.5 to 2.5	Pass
				0	3.8	25.921	0.0098	-2.5 to 2.5	Pass
				10	3.8	22.860	0.0086	-2.5 to 2.5	Pass
				30	3.8	30.127	0.0114	-2.5 to 2.5	Pass
				40	3.8	29.526	0.0112	-2.5 to 2.5	Pass
				50	3.8	34.161	0.0129	-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	-16.952	-0.0099	-2.5 to 2.5	Pass
					3.8	-16.637	-0.0097	-2.5 to 2.5	Pass
					4.35	-13.576	-0.0079	-2.5 to 2.5	Pass
				-30	3.8	-10.672	-0.0062	-2.5 to 2.5	Pass
				-20	3.8	-7.253	-0.0042	-2.5 to 2.5	Pass
				-10	3.8	-4.091	-0.0024	-2.5 to 2.5	Pass
				0	3.8	-0.243	-0.0001	-2.5 to 2.5	Pass
				10	3.8	3.762	0.0022	-2.5 to 2.5	Pass
				30	3.8	6.394	0.0037	-2.5 to 2.5	Pass
				40	3.8	9.871	0.0058	-2.5 to 2.5	Pass
				50	3.8	12.832	0.0075	-2.5 to 2.5	Pass
	1745	6	0	20	3.5	-0.687	-0.0004	-2.5 to 2.5	Pass
					3.8	-1.202	-0.0007	-2.5 to 2.5	Pass
					4.35	1.874	0.0011	-2.5 to 2.5	Pass
				-30	3.8	3.419	0.0020	-2.5 to 2.5	Pass
				-20	3.8	5.636	0.0032	-2.5 to 2.5	Pass
				-10	3.8	7.739	0.0044	-2.5 to 2.5	Pass
				0	3.8	10.214	0.0059	-2.5 to 2.5	Pass
				10	3.8	12.460	0.0071	-2.5 to 2.5	Pass
				30	3.8	13.404	0.0077	-2.5 to 2.5	Pass
				40	3.8	16.651	0.0095	-2.5 to 2.5	Pass
				50	3.8	19.712	0.0113	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.5	-2.446	-0.0014	-2.5 to 2.5	Pass
					3.8	-2.432	-0.0014	-2.5 to 2.5	Pass
					4.35	-0.830	-0.0005	-2.5 to 2.5	Pass
				-30	3.8	1.287	0.0007	-2.5 to 2.5	Pass
				-20	3.8	2.546	0.0014	-2.5 to 2.5	Pass
				-10	3.8	5.622	0.0032	-2.5 to 2.5	Pass
				0	3.8	8.612	0.0048	-2.5 to 2.5	Pass
				10	3.8	11.787	0.0066	-2.5 to 2.5	Pass
				30	3.8	14.849	0.0083	-2.5 to 2.5	Pass
				40	3.8	18.253	0.0103	-2.5 to 2.5	Pass
				50	3.8	20.227	0.0114	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.5	15.135	0.0088	-2.5 to 2.5	Pass
					3.8	19.369	0.0113	-2.5 to 2.5	Pass
					4.35	22.388	0.0131	-2.5 to 2.5	Pass
				-30	3.8	24.691	0.0144	-2.5 to 2.5	Pass

				-20	3.8	26.851	0.0157	-2.5 to 2.5	Pass
				-10	3.8	29.240	0.0171	-2.5 to 2.5	Pass
				0	3.8	30.785	0.0180	-2.5 to 2.5	Pass
				10	3.8	32.873	0.0192	-2.5 to 2.5	Pass
				30	3.8	34.604	0.0202	-2.5 to 2.5	Pass
				40	3.8	36.278	0.0212	-2.5 to 2.5	Pass
				50	3.8	38.338	0.0224	-2.5 to 2.5	Pass
	1745	6	0	20	3.5	22.287	0.0128	-2.5 to 2.5	Pass
					3.8	24.791	0.0142	-2.5 to 2.5	Pass
					4.35	26.708	0.0153	-2.5 to 2.5	Pass
				-30	3.8	29.211	0.0167	-2.5 to 2.5	Pass
				-20	3.8	31.171	0.0179	-2.5 to 2.5	Pass
				-10	3.8	33.073	0.0190	-2.5 to 2.5	Pass
				0	3.8	34.347	0.0197	-2.5 to 2.5	Pass
				10	3.8	34.704	0.0199	-2.5 to 2.5	Pass
				30	3.8	36.120	0.0207	-2.5 to 2.5	Pass
				40	3.8	37.007	0.0212	-2.5 to 2.5	Pass
				50	3.8	38.152	0.0219	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.5	22.860	0.0128	-2.5 to 2.5	Pass
					3.8	25.377	0.0143	-2.5 to 2.5	Pass
					4.35	28.110	0.0158	-2.5 to 2.5	Pass
				-30	3.8	30.127	0.0169	-2.5 to 2.5	Pass
				-20	3.8	32.501	0.0183	-2.5 to 2.5	Pass
				-10	3.8	34.146	0.0192	-2.5 to 2.5	Pass
				0	3.8	36.035	0.0203	-2.5 to 2.5	Pass
				10	3.8	38.052	0.0214	-2.5 to 2.5	Pass
				30	3.8	40.040	0.0225	-2.5 to 2.5	Pass
				40	3.8	40.698	0.0229	-2.5 to 2.5	Pass
				50	3.8	4.964	0.0028	-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	-6.967	-0.0041	-2.5 to 2.5	Pass
					3.8	-5.693	-0.0033	-2.5 to 2.5	Pass
					4.35	-2.475	-0.0014	-2.5 to 2.5	Pass
				-30	3.8	0.730	0.0004	-2.5 to 2.5	Pass
				-20	3.8	3.948	0.0023	-2.5 to 2.5	Pass
				-10	3.8	8.054	0.0047	-2.5 to 2.5	Pass
				0	3.8	11.430	0.0067	-2.5 to 2.5	Pass
				10	3.8	14.563	0.0085	-2.5 to 2.5	Pass
				30	3.8	18.039	0.0105	-2.5 to 2.5	Pass
				40	3.8	22.244	0.0130	-2.5 to 2.5	Pass
				50	3.8	25.077	0.0147	-2.5 to 2.5	Pass
	1745	15	0	20	3.5	-6.094	-0.0035	-2.5 to 2.5	Pass
					3.8	-8.855	-0.0051	-2.5 to 2.5	Pass
					4.35	-6.294	-0.0036	-2.5 to 2.5	Pass
				-30	3.8	-3.233	-0.0019	-2.5 to 2.5	Pass
				-20	3.8	0.143	0.0001	-2.5 to 2.5	Pass
				-10	3.8	2.632	0.0015	-2.5 to 2.5	Pass
				0	3.8	5.322	0.0030	-2.5 to 2.5	Pass
				10	3.8	9.084	0.0052	-2.5 to 2.5	Pass
				30	3.8	12.646	0.0072	-2.5 to 2.5	Pass

				40	3.8	15.192	0.0087	-2.5 to 2.5	Pass
				50	3.8	18.110	0.0104	-2.5 to 2.5	Pass
					3.5	-34.590	-0.0194	-2.5 to 2.5	Pass
				20	3.8	-35.491	-0.0200	-2.5 to 2.5	Pass
					4.35	-35.191	-0.0198	-2.5 to 2.5	Pass
				-30	3.8	-33.975	-0.0191	-2.5 to 2.5	Pass
				-20	3.8	-32.945	-0.0185	-2.5 to 2.5	Pass
	1778.5	15	0	-10	3.8	-31.815	-0.0179	-2.5 to 2.5	Pass
				0	3.8	-30.885	-0.0174	-2.5 to 2.5	Pass
				10	3.8	-30.499	-0.0171	-2.5 to 2.5	Pass
				30	3.8	-29.197	-0.0164	-2.5 to 2.5	Pass
				40	3.8	-28.496	-0.0160	-2.5 to 2.5	Pass
				50	3.8	-27.738	-0.0156	-2.5 to 2.5	Pass
					3.5	29.368	0.0172	-2.5 to 2.5	Pass
				20	3.8	32.372	0.0189	-2.5 to 2.5	Pass
					4.35	-14.634	-0.0086	-2.5 to 2.5	Pass
				-30	3.8	-11.845	-0.0069	-2.5 to 2.5	Pass
				-20	3.8	-9.856	-0.0058	-2.5 to 2.5	Pass
	1711.5	15	0	-10	3.8	-8.368	-0.0049	-2.5 to 2.5	Pass
				0	3.8	-5.965	-0.0035	-2.5 to 2.5	Pass
				10	3.8	-3.376	-0.0020	-2.5 to 2.5	Pass
				30	3.8	-2.632	-0.0015	-2.5 to 2.5	Pass
				40	3.8	-0.744	-0.0004	-2.5 to 2.5	Pass
				50	3.8	1.388	0.0008	-2.5 to 2.5	Pass
					3.5	21.558	0.0124	-2.5 to 2.5	Pass
				20	3.8	23.761	0.0136	-2.5 to 2.5	Pass
					4.35	24.862	0.0142	-2.5 to 2.5	Pass
				-30	3.8	27.967	0.0160	-2.5 to 2.5	Pass
				-20	3.8	30.899	0.0177	-2.5 to 2.5	Pass
16QAM	1745	15	0	-10	3.8	32.244	0.0185	-2.5 to 2.5	Pass
				0	3.8	34.790	0.0199	-2.5 to 2.5	Pass
				10	3.8	35.920	0.0206	-2.5 to 2.5	Pass
				30	3.8	37.680	0.0216	-2.5 to 2.5	Pass
				40	3.8	1.502	0.0009	-2.5 to 2.5	Pass
				50	3.8	3.076	0.0018	-2.5 to 2.5	Pass
					3.5	-25.520	-0.0143	-2.5 to 2.5	Pass
				20	3.8	-24.161	-0.0136	-2.5 to 2.5	Pass
					4.35	-23.189	-0.0130	-2.5 to 2.5	Pass
				-30	3.8	-22.659	-0.0127	-2.5 to 2.5	Pass
				-20	3.8	-21.558	-0.0121	-2.5 to 2.5	Pass
	1778.5	15	0	-10	3.8	-21.501	-0.0121	-2.5 to 2.5	Pass
				0	3.8	-20.299	-0.0114	-2.5 to 2.5	Pass
				10	3.8	-20.628	-0.0116	-2.5 to 2.5	Pass
				30	3.8	-19.770	-0.0111	-2.5 to 2.5	Pass
				40	3.8	-19.841	-0.0112	-2.5 to 2.5	Pass
				50	3.8	-19.741	-0.0111	-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	-25.864	-0.0151	-2.5 to 2.5	Pass
					3.8	-25.892	-0.0151	-2.5 to 2.5	Pass
					4.35	-23.303	-0.0136	-2.5 to 2.5	Pass

				-30	3.8	-19.984	-0.0117	-2.5 to 2.5	Pass
				-20	3.8	-17.381	-0.0101	-2.5 to 2.5	Pass
				-10	3.8	-14.005	-0.0082	-2.5 to 2.5	Pass
				0	3.8	-10.586	-0.0062	-2.5 to 2.5	Pass
				10	3.8	-7.024	-0.0041	-2.5 to 2.5	Pass
				30	3.8	-4.492	-0.0026	-2.5 to 2.5	Pass
				40	3.8	-0.172	-0.0001	-2.5 to 2.5	Pass
				50	3.8	2.189	0.0013	-2.5 to 2.5	Pass
	1745	25	0	20	3.5	1.101	0.0006	-2.5 to 2.5	Pass
					3.8	1.473	0.0008	-2.5 to 2.5	Pass
					4.35	1.602	0.0009	-2.5 to 2.5	Pass
				-30	3.8	1.874	0.0011	-2.5 to 2.5	Pass
				-20	3.8	1.888	0.0011	-2.5 to 2.5	Pass
				-10	3.8	2.532	0.0015	-2.5 to 2.5	Pass
				0	3.8	2.875	0.0016	-2.5 to 2.5	Pass
				10	3.8	2.317	0.0013	-2.5 to 2.5	Pass
				30	3.8	2.789	0.0016	-2.5 to 2.5	Pass
				40	3.8	3.390	0.0019	-2.5 to 2.5	Pass
				50	3.8	3.819	0.0022	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.5	-35.148	-0.0198	-2.5 to 2.5	Pass
					3.8	-37.565	-0.0211	-2.5 to 2.5	Pass
					4.35	-37.766	-0.0212	-2.5 to 2.5	Pass
				-30	3.8	-37.236	-0.0209	-2.5 to 2.5	Pass
				-20	3.8	-37.880	-0.0213	-2.5 to 2.5	Pass
				-10	3.8	-35.949	-0.0202	-2.5 to 2.5	Pass
				0	3.8	-36.736	-0.0207	-2.5 to 2.5	Pass
				10	3.8	-35.291	-0.0199	-2.5 to 2.5	Pass
				30	3.8	-35.691	-0.0201	-2.5 to 2.5	Pass
				40	3.8	-35.234	-0.0198	-2.5 to 2.5	Pass
				50	3.8	-34.003	-0.0191	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.5	6.795	0.0040	-2.5 to 2.5	Pass
					3.8	7.696	0.0045	-2.5 to 2.5	Pass
					4.35	10.715	0.0063	-2.5 to 2.5	Pass
				-30	3.8	13.776	0.0080	-2.5 to 2.5	Pass
				-20	3.8	16.136	0.0094	-2.5 to 2.5	Pass
				-10	3.8	18.668	0.0109	-2.5 to 2.5	Pass
				0	3.8	20.571	0.0120	-2.5 to 2.5	Pass
				10	3.8	23.003	0.0134	-2.5 to 2.5	Pass
				30	3.8	24.347	0.0142	-2.5 to 2.5	Pass
				40	3.8	26.207	0.0153	-2.5 to 2.5	Pass
				50	3.8	28.825	0.0168	-2.5 to 2.5	Pass
	1745	25	0	20	3.5	3.119	0.0018	-2.5 to 2.5	Pass
					3.8	4.048	0.0023	-2.5 to 2.5	Pass
					4.35	5.150	0.0030	-2.5 to 2.5	Pass
				-30	3.8	6.151	0.0035	-2.5 to 2.5	Pass
				-20	3.8	6.180	0.0035	-2.5 to 2.5	Pass
				-10	3.8	6.709	0.0038	-2.5 to 2.5	Pass
				0	3.8	6.680	0.0038	-2.5 to 2.5	Pass
				10	3.8	6.723	0.0039	-2.5 to 2.5	Pass
				30	3.8	6.838	0.0039	-2.5 to 2.5	Pass
				40	3.8	6.924	0.0040	-2.5 to 2.5	Pass
				50	3.8	7.010	0.0040	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.5	-33.360	-0.0188	-2.5 to 2.5	Pass
					3.8	-32.716	-0.0184	-2.5 to 2.5	Pass
					4.35	-32.444	-0.0183	-2.5 to 2.5	Pass
				-30	3.8	-31.600	-0.0178	-2.5 to 2.5	Pass
				-20	3.8	-31.056	-0.0175	-2.5 to 2.5	Pass
				-10	3.8	-30.899	-0.0174	-2.5 to 2.5	Pass
				0	3.8	-30.084	-0.0169	-2.5 to 2.5	Pass

				10	3.8	-29.840	-0.0168	-2.5 to 2.5	Pass
				30	3.8	-29.197	-0.0164	-2.5 to 2.5	Pass
				40	3.8	-29.140	-0.0164	-2.5 to 2.5	Pass
				50	3.8	-27.967	-0.0157	-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	-5.064	-0.0030	-2.5 to 2.5	Pass
					3.8	-7.210	-0.0042	-2.5 to 2.5	Pass
					4.35	-6.924	-0.0040	-2.5 to 2.5	Pass
				-30	3.8	-6.037	-0.0035	-2.5 to 2.5	Pass
				-20	3.8	-4.420	-0.0026	-2.5 to 2.5	Pass
				-10	3.8	-8.569	-0.0050	-2.5 to 2.5	Pass
				0	3.8	-8.440	-0.0049	-2.5 to 2.5	Pass
				10	3.8	-5.264	-0.0031	-2.5 to 2.5	Pass
				30	3.8	-0.687	-0.0004	-2.5 to 2.5	Pass
				40	3.8	3.691	0.0022	-2.5 to 2.5	Pass
				50	3.8	6.967	0.0041	-2.5 to 2.5	Pass
	1745	50	0	20	3.5	-2.375	-0.0014	-2.5 to 2.5	Pass
					3.8	1.116	0.0006	-2.5 to 2.5	Pass
					4.35	5.922	0.0034	-2.5 to 2.5	Pass
				-30	3.8	10.586	0.0061	-2.5 to 2.5	Pass
				-20	3.8	15.635	0.0090	-2.5 to 2.5	Pass
				-10	3.8	20.413	0.0117	-2.5 to 2.5	Pass
				0	3.8	25.277	0.0145	-2.5 to 2.5	Pass
				10	3.8	28.954	0.0166	-2.5 to 2.5	Pass
				30	3.8	32.487	0.0186	-2.5 to 2.5	Pass
				40	3.8	35.605	0.0204	-2.5 to 2.5	Pass
				50	3.8	39.210	0.0225	-2.5 to 2.5	Pass
	1775	50	0	20	3.5	-9.427	-0.0053	-2.5 to 2.5	Pass
					3.8	-9.584	-0.0054	-2.5 to 2.5	Pass
					4.35	-8.340	-0.0047	-2.5 to 2.5	Pass
				-30	3.8	-5.965	-0.0034	-2.5 to 2.5	Pass
				-20	3.8	-2.217	-0.0012	-2.5 to 2.5	Pass
				-10	3.8	1.373	0.0008	-2.5 to 2.5	Pass
				0	3.8	4.292	0.0024	-2.5 to 2.5	Pass
				10	3.8	7.224	0.0041	-2.5 to 2.5	Pass
				30	3.8	9.971	0.0056	-2.5 to 2.5	Pass
				40	3.8	15.335	0.0086	-2.5 to 2.5	Pass
				50	3.8	18.153	0.0102	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.5	13.919	0.0081	-2.5 to 2.5	Pass
					3.8	18.682	0.0109	-2.5 to 2.5	Pass
					4.35	22.917	0.0134	-2.5 to 2.5	Pass
				-30	3.8	26.464	0.0154	-2.5 to 2.5	Pass
				-20	3.8	28.954	0.0169	-2.5 to 2.5	Pass
				-10	3.8	32.172	0.0188	-2.5 to 2.5	Pass
				0	3.8	35.033	0.0204	-2.5 to 2.5	Pass
				10	3.8	36.993	0.0216	-2.5 to 2.5	Pass
				30	3.8	38.881	0.0227	-2.5 to 2.5	Pass
				40	3.8	3.147	0.0018	-2.5 to 2.5	Pass
				50	3.8	6.108	0.0036	-2.5 to 2.5	Pass
	1745	50	0	20	3.5	43.116	0.0247	-2.5 to 2.5	Pass

					3.8	42.586	0.0244	-2.5 to 2.5	Pass
					4.35	10.986	0.0063	-2.5 to 2.5	Pass
				-30	3.8	13.347	0.0076	-2.5 to 2.5	Pass
				-20	3.8	15.020	0.0086	-2.5 to 2.5	Pass
				-10	3.8	16.050	0.0092	-2.5 to 2.5	Pass
				0	3.8	17.552	0.0101	-2.5 to 2.5	Pass
				10	3.8	19.326	0.0111	-2.5 to 2.5	Pass
				30	3.8	21.329	0.0122	-2.5 to 2.5	Pass
				40	3.8	21.315	0.0122	-2.5 to 2.5	Pass
				50	3.8	23.260	0.0133	-2.5 to 2.5	Pass
	1775	50	0	20	3.5	21.000	0.0118	-2.5 to 2.5	Pass
					3.8	23.375	0.0132	-2.5 to 2.5	Pass
					4.35	25.692	0.0145	-2.5 to 2.5	Pass
				-30	3.8	26.722	0.0151	-2.5 to 2.5	Pass
				-20	3.8	27.423	0.0154	-2.5 to 2.5	Pass
				-10	3.8	29.540	0.0166	-2.5 to 2.5	Pass
				0	3.8	28.424	0.0160	-2.5 to 2.5	Pass
				10	3.8	28.682	0.0162	-2.5 to 2.5	Pass
				30	3.8	26.622	0.0150	-2.5 to 2.5	Pass
				40	3.8	26.436	0.0149	-2.5 to 2.5	Pass
				50	3.8	26.965	0.0152	-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	-9.985	-0.0058	-2.5 to 2.5	Pass
					3.8	-5.078	-0.0030	-2.5 to 2.5	Pass
					4.35	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.8	5.465	0.0032	-2.5 to 2.5	Pass
				-20	3.8	10.271	0.0060	-2.5 to 2.5	Pass
				-10	3.8	16.294	0.0095	-2.5 to 2.5	Pass
				0	3.8	20.285	0.0118	-2.5 to 2.5	Pass
				10	3.8	25.191	0.0147	-2.5 to 2.5	Pass
				30	3.8	31.857	0.0185	-2.5 to 2.5	Pass
				40	3.8	36.049	0.0210	-2.5 to 2.5	Pass
				50	3.8	40.069	0.0233	-2.5 to 2.5	Pass
	1745	75	0	20	3.5	-5.794	-0.0033	-2.5 to 2.5	Pass
					3.8	-6.595	-0.0038	-2.5 to 2.5	Pass
					4.35	-5.851	-0.0034	-2.5 to 2.5	Pass
				-30	3.8	-4.964	-0.0028	-2.5 to 2.5	Pass
				-20	3.8	-3.333	-0.0019	-2.5 to 2.5	Pass
				-10	3.8	-1.230	-0.0007	-2.5 to 2.5	Pass
				0	3.8	0.243	0.0001	-2.5 to 2.5	Pass
				10	3.8	2.174	0.0012	-2.5 to 2.5	Pass
				30	3.8	3.762	0.0022	-2.5 to 2.5	Pass
				40	3.8	6.409	0.0037	-2.5 to 2.5	Pass
				50	3.8	8.240	0.0047	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.5	-36.635	-0.0207	-2.5 to 2.5	Pass
					3.8	-34.719	-0.0196	-2.5 to 2.5	Pass
					4.35	-32.430	-0.0183	-2.5 to 2.5	Pass
				-30	3.8	-28.739	-0.0162	-2.5 to 2.5	Pass
				-20	3.8	-24.533	-0.0138	-2.5 to 2.5	Pass
				-10	3.8	-20.785	-0.0117	-2.5 to 2.5	Pass

				0	3.8	-17.123	-0.0097	-2.5 to 2.5	Pass
				10	3.8	-13.790	-0.0078	-2.5 to 2.5	Pass
				30	3.8	-9.928	-0.0056	-2.5 to 2.5	Pass
				40	3.8	-6.795	-0.0038	-2.5 to 2.5	Pass
				50	3.8	-3.533	-0.0020	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.5	25.148	0.0146	-2.5 to 2.5	Pass
					3.8	11.172	0.0065	-2.5 to 2.5	Pass
					4.35	14.019	0.0082	-2.5 to 2.5	Pass
				-30	3.8	16.665	0.0097	-2.5 to 2.5	Pass
				-20	3.8	19.383	0.0113	-2.5 to 2.5	Pass
				-10	3.8	20.871	0.0122	-2.5 to 2.5	Pass
				0	3.8	22.988	0.0134	-2.5 to 2.5	Pass
				10	3.8	26.622	0.0155	-2.5 to 2.5	Pass
				30	3.8	28.353	0.0165	-2.5 to 2.5	Pass
				40	3.8	30.313	0.0176	-2.5 to 2.5	Pass
				50	3.8	31.843	0.0185	-2.5 to 2.5	Pass
	1745	75	0	20	3.5	10.586	0.0061	-2.5 to 2.5	Pass
					3.8	11.673	0.0067	-2.5 to 2.5	Pass
					4.35	12.617	0.0072	-2.5 to 2.5	Pass
				-30	3.8	13.046	0.0075	-2.5 to 2.5	Pass
				-20	3.8	13.890	0.0080	-2.5 to 2.5	Pass
				-10	3.8	14.076	0.0081	-2.5 to 2.5	Pass
				0	3.8	14.691	0.0084	-2.5 to 2.5	Pass
				10	3.8	15.378	0.0088	-2.5 to 2.5	Pass
				30	3.8	15.063	0.0086	-2.5 to 2.5	Pass
				40	3.8	15.135	0.0087	-2.5 to 2.5	Pass
				50	3.8	15.621	0.0090	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.5	-0.844	-0.0005	-2.5 to 2.5	Pass
					3.8	2.446	0.0014	-2.5 to 2.5	Pass
					4.35	4.663	0.0026	-2.5 to 2.5	Pass
				-30	3.8	6.623	0.0037	-2.5 to 2.5	Pass
				-20	3.8	8.097	0.0046	-2.5 to 2.5	Pass
				-10	3.8	9.456	0.0053	-2.5 to 2.5	Pass
				0	3.8	11.487	0.0065	-2.5 to 2.5	Pass
				10	3.8	13.447	0.0076	-2.5 to 2.5	Pass
				30	3.8	14.362	0.0081	-2.5 to 2.5	Pass
				40	3.8	15.864	0.0090	-2.5 to 2.5	Pass
				50	3.8	16.551	0.0093	-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	-4.120	-0.0024	-2.5 to 2.5	Pass
					3.8	-2.360	-0.0014	-2.5 to 2.5	Pass
					4.35	3.047	0.0018	-2.5 to 2.5	Pass
				-30	3.8	8.340	0.0048	-2.5 to 2.5	Pass
				-20	3.8	13.475	0.0078	-2.5 to 2.5	Pass
				-10	3.8	18.625	0.0108	-2.5 to 2.5	Pass
				0	3.8	23.618	0.0137	-2.5 to 2.5	Pass
				10	3.8	27.895	0.0162	-2.5 to 2.5	Pass
				30	3.8	32.487	0.0189	-2.5 to 2.5	Pass
				40	3.8	36.292	0.0211	-2.5 to 2.5	Pass
				50	3.8	38.295	0.0223	-2.5 to 2.5	Pass

	1745	100	0	20	3.5	-8.283	-0.0047	-2.5 to 2.5	Pass
					3.8	-2.460	-0.0014	-2.5 to 2.5	Pass
					4.35	3.891	0.0022	-2.5 to 2.5	Pass
				-30	3.8	10.014	0.0057	-2.5 to 2.5	Pass
				-20	3.8	17.152	0.0098	-2.5 to 2.5	Pass
				-10	3.8	22.545	0.0129	-2.5 to 2.5	Pass
				0	3.8	27.723	0.0159	-2.5 to 2.5	Pass
				10	3.8	33.889	0.0194	-2.5 to 2.5	Pass
				30	3.8	38.309	0.0220	-2.5 to 2.5	Pass
				40	3.8	43.345	0.0248	-2.5 to 2.5	Pass
				50	3.8	27.223	0.0156	-2.5 to 2.5	Pass
	1770	100	0	20	3.5	-2.561	-0.0014	-2.5 to 2.5	Pass
					3.8	-1.903	-0.0011	-2.5 to 2.5	Pass
					4.35	3.762	0.0021	-2.5 to 2.5	Pass
				-30	3.8	10.285	0.0058	-2.5 to 2.5	Pass
				-20	3.8	17.295	0.0098	-2.5 to 2.5	Pass
				-10	3.8	22.044	0.0125	-2.5 to 2.5	Pass
				0	3.8	28.539	0.0161	-2.5 to 2.5	Pass
				10	3.8	34.332	0.0194	-2.5 to 2.5	Pass
				30	3.8	39.611	0.0224	-2.5 to 2.5	Pass
				40	3.8	43.015	0.0243	-2.5 to 2.5	Pass
				50	3.8	-1.917	-0.0011	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.5	40.798	0.0237	-2.5 to 2.5	Pass
					3.8	42.887	0.0249	-2.5 to 2.5	Pass
					4.35	44.131	0.0257	-2.5 to 2.5	Pass
				-30	3.8	45.176	0.0263	-2.5 to 2.5	Pass
				-20	3.8	9.656	0.0056	-2.5 to 2.5	Pass
				-10	3.8	9.542	0.0055	-2.5 to 2.5	Pass
				0	3.8	11.244	0.0065	-2.5 to 2.5	Pass
				10	3.8	12.159	0.0071	-2.5 to 2.5	Pass
				30	3.8	11.787	0.0069	-2.5 to 2.5	Pass
				40	3.8	13.146	0.0076	-2.5 to 2.5	Pass
				50	3.8	14.291	0.0083	-2.5 to 2.5	Pass
	1745	100	0	20	3.5	25.749	0.0148	-2.5 to 2.5	Pass
					3.8	28.481	0.0163	-2.5 to 2.5	Pass
					4.35	31.428	0.0180	-2.5 to 2.5	Pass
				-30	3.8	32.573	0.0187	-2.5 to 2.5	Pass
				-20	3.8	34.432	0.0197	-2.5 to 2.5	Pass
				-10	3.8	36.592	0.0210	-2.5 to 2.5	Pass
				0	3.8	37.680	0.0216	-2.5 to 2.5	Pass
				10	3.8	38.767	0.0222	-2.5 to 2.5	Pass
				30	3.8	39.611	0.0227	-2.5 to 2.5	Pass
				40	3.8	40.312	0.0231	-2.5 to 2.5	Pass
				50	3.8	4.935	0.0028	-2.5 to 2.5	Pass
	1770	100	0	20	3.5	1.245	0.0007	-2.5 to 2.5	Pass
					3.8	3.633	0.0021	-2.5 to 2.5	Pass
					4.35	5.879	0.0033	-2.5 to 2.5	Pass
				-30	3.8	7.253	0.0041	-2.5 to 2.5	Pass
				-20	3.8	9.069	0.0051	-2.5 to 2.5	Pass
				-10	3.8	9.828	0.0056	-2.5 to 2.5	Pass
				0	3.8	10.843	0.0061	-2.5 to 2.5	Pass
				10	3.8	13.733	0.0078	-2.5 to 2.5	Pass
				30	3.8	16.165	0.0091	-2.5 to 2.5	Pass
				40	3.8	16.494	0.0093	-2.5 to 2.5	Pass
				50	3.8	18.196	0.0103	-2.5 to 2.5	Pass