

1. Frequency Stability

1.1 B2_1.4MHz

1.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.27	-11.344	-0.0061	-2.5 to 2.5	Pass
					3.85	-12.646	-0.0068	-2.5 to 2.5	Pass
					4.43	-21.915	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-25.620	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-28.453	-0.0154	-2.5 to 2.5	Pass
				0	3.85	-26.865	-0.0145	-2.5 to 2.5	Pass
				10	3.85	-16.565	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-20.957	-0.0113	-2.5 to 2.5	Pass
				40	3.85	-10.157	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-20.685	-0.0112	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	1.245	0.0007	-2.5 to 2.5	Pass
					3.85	-49.882	-0.0265	-2.5 to 2.5	Pass
					4.43	-43.888	-0.0233	-2.5 to 2.5	Pass
				-30	3.85	-36.864	-0.0196	-2.5 to 2.5	Pass
				-20	3.85	-17.009	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-36.650	-0.0195	-2.5 to 2.5	Pass
				0	3.85	-26.622	-0.0142	-2.5 to 2.5	Pass
				10	3.85	-44.103	-0.0235	-2.5 to 2.5	Pass
				30	3.85	-11.544	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-25.635	-0.0136	-2.5 to 2.5	Pass
				50	3.85	-33.875	-0.0180	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	-20.413	-0.0107	-2.5 to 2.5	Pass
					3.85	-17.610	-0.0092	-2.5 to 2.5	Pass
					4.43	-19.898	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-30.684	-0.0161	-2.5 to 2.5	Pass
				-20	3.85	-35.720	-0.0187	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-30.069	-0.0157	-2.5 to 2.5	Pass
				10	3.85	-34.847	-0.0183	-2.5 to 2.5	Pass
				30	3.85	-43.287	-0.0227	-2.5 to 2.5	Pass
				40	3.85	-39.625	-0.0208	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	-9.656	-0.0052	-2.5 to 2.5	Pass
					3.85	-12.674	-0.0068	-2.5 to 2.5	Pass
					4.43	-49.381	-0.0267	-2.5 to 2.5	Pass
				-30	3.85	-21.386	-0.0116	-2.5 to 2.5	Pass
				-20	3.85	-11.301	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-40.326	-0.0218	-2.5 to 2.5	Pass
				0	3.85	-13.390	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-41.971	-0.0227	-2.5 to 2.5	Pass
				30	3.85	-14.734	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-35.033	-0.0189	-2.5 to 2.5	Pass
				50	3.85	-6.866	-0.0037	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	-33.960	-0.0181	-2.5 to 2.5	Pass
					3.85	-45.104	-0.0240	-2.5 to 2.5	Pass

					4.43	-27.566	-0.0147	-2.5 to 2.5	Pass
				-30	3.85	-29.211	-0.0155	-2.5 to 2.5	Pass
				-20	3.85	-6.537	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-32.444	-0.0173	-2.5 to 2.5	Pass
				0	3.85	-36.349	-0.0193	-2.5 to 2.5	Pass
				10	3.85	-16.780	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-32.930	-0.0175	-2.5 to 2.5	Pass
				40	3.85	-29.397	-0.0156	-2.5 to 2.5	Pass
				50	3.85	-5.665	-0.0030	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	-26.751	-0.0140	-2.5 to 2.5	Pass
					3.85	-36.178	-0.0189	-2.5 to 2.5	Pass
					4.43	-29.283	-0.0153	-2.5 to 2.5	Pass
				-30	3.85	-6.366	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-28.453	-0.0149	-2.5 to 2.5	Pass
				-10	3.85	-2.174	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-19.670	-0.0103	-2.5 to 2.5	Pass
				10	3.85	-38.409	-0.0201	-2.5 to 2.5	Pass
				30	3.85	-8.898	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-29.254	-0.0153	-2.5 to 2.5	Pass
				50	3.85	-45.905	-0.0240	-2.5 to 2.5	Pass

1.2 B2_3MHz

1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.27	34.504	0.0186	-2.5 to 2.5	Pass
					3.85	12.488	0.0067	-2.5 to 2.5	Pass
					4.43	14.319	0.0077	-2.5 to 2.5	Pass
				-30	3.85	5.035	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-13.218	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-33.789	-0.0182	-2.5 to 2.5	Pass
				0	3.85	-45.447	-0.0245	-2.5 to 2.5	Pass
				10	3.85	-39.539	-0.0214	-2.5 to 2.5	Pass
				30	3.85	3.262	0.0018	-2.5 to 2.5	Pass
				40	3.85	-16.637	-0.0090	-2.5 to 2.5	Pass
				50	3.85	-34.962	-0.0189	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	23.832	0.0127	-2.5 to 2.5	Pass
					3.85	22.073	0.0117	-2.5 to 2.5	Pass
					4.43	18.253	0.0097	-2.5 to 2.5	Pass
				-30	3.85	11.101	0.0059	-2.5 to 2.5	Pass
				-20	3.85	5.937	0.0032	-2.5 to 2.5	Pass
				-10	3.85	-5.465	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-12.646	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-19.827	-0.0105	-2.5 to 2.5	Pass
				30	3.85	-27.666	-0.0147	-2.5 to 2.5	Pass
				40	3.85	-36.206	-0.0193	-2.5 to 2.5	Pass
				50	3.85	-43.216	-0.0230	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	3.505	0.0018	-2.5 to 2.5	Pass
					3.85	12.889	0.0068	-2.5 to 2.5	Pass
					4.43	15.264	0.0080	-2.5 to 2.5	Pass
				-30	3.85	9.227	0.0048	-2.5 to 2.5	Pass
				-20	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass

16QAM	1851.5	15	0	-10	3.85	-11.287	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-23.532	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-35.706	-0.0187	-2.5 to 2.5	Pass
				30	3.85	-46.535	-0.0244	-2.5 to 2.5	Pass
				40	3.85	-8.855	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-17.781	-0.0093	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-19.383	-0.0105	-2.5 to 2.5	Pass
					3.85	-35.577	-0.0192	-2.5 to 2.5	Pass
					4.43	8.698	0.0047	-2.5 to 2.5	Pass
				-30	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-12.646	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-22.888	-0.0124	-2.5 to 2.5	Pass
				0	3.85	-34.676	-0.0187	-2.5 to 2.5	Pass
				10	3.85	-44.389	-0.0240	-2.5 to 2.5	Pass
				30	3.85	-14.434	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-21.715	-0.0117	-2.5 to 2.5	Pass
				50	3.85	-30.956	-0.0167	-2.5 to 2.5	Pass
			0	20	3.27	-20.685	-0.0110	-2.5 to 2.5	Pass
					3.85	-22.416	-0.0119	-2.5 to 2.5	Pass
					4.43	-30.928	-0.0165	-2.5 to 2.5	Pass
				-30	3.85	-33.832	-0.0180	-2.5 to 2.5	Pass
				-20	3.85	-36.049	-0.0192	-2.5 to 2.5	Pass
				-10	3.85	-39.539	-0.0210	-2.5 to 2.5	Pass
				0	3.85	-40.398	-0.0215	-2.5 to 2.5	Pass
				10	3.85	-43.616	-0.0232	-2.5 to 2.5	Pass
				30	3.85	-35.162	-0.0187	-2.5 to 2.5	Pass
				40	3.85	-2.818	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-6.623	-0.0035	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	-31.013	-0.0162	-2.5 to 2.5	Pass
					3.85	-41.327	-0.0217	-2.5 to 2.5	Pass
					4.43	-3.605	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-6.952	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-12.574	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-16.909	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-22.001	-0.0115	-2.5 to 2.5	Pass
				10	3.85	-27.008	-0.0142	-2.5 to 2.5	Pass
				30	3.85	-32.973	-0.0173	-2.5 to 2.5	Pass
				40	3.85	-37.236	-0.0195	-2.5 to 2.5	Pass
				50	3.85	-43.945	-0.0230	-2.5 to 2.5	Pass

1.3 B2_5MHz

1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.27	31.757	0.0171	-2.5 to 2.5	Pass
					3.85	45.719	0.0247	-2.5 to 2.5	Pass
					4.43	49.767	0.0269	-2.5 to 2.5	Pass
				-30	3.85	44.732	0.0241	-2.5 to 2.5	Pass
				-20	3.85	35.505	0.0192	-2.5 to 2.5	Pass
				-10	3.85	25.764	0.0139	-2.5 to 2.5	Pass
				0	3.85	12.503	0.0067	-2.5 to 2.5	Pass
				10	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				30	3.85	-9.284	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-20.614	-0.0111	-2.5 to 2.5	Pass
				50	3.85	-33.102	-0.0179	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	3.819	0.0020	-2.5 to 2.5	Pass
					3.85	7.696	0.0041	-2.5 to 2.5	Pass
					4.43	10.114	0.0054	-2.5 to 2.5	Pass
				-30	3.85	7.567	0.0040	-2.5 to 2.5	Pass
				-20	3.85	2.975	0.0016	-2.5 to 2.5	Pass
				-10	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				0	3.85	-4.535	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-7.811	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-14.849	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-21.172	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-27.022	-0.0144	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	23.618	0.0124	-2.5 to 2.5	Pass
					3.85	28.811	0.0151	-2.5 to 2.5	Pass
					4.43	29.225	0.0153	-2.5 to 2.5	Pass
				-30	3.85	22.259	0.0117	-2.5 to 2.5	Pass
				-20	3.85	12.589	0.0066	-2.5 to 2.5	Pass
				-10	3.85	1.044	0.0005	-2.5 to 2.5	Pass
				0	3.85	-9.298	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-21.343	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-31.142	-0.0163	-2.5 to 2.5	Pass
				40	3.85	-39.554	-0.0207	-2.5 to 2.5	Pass
				50	3.85	-30.913	-0.0162	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	3.505	0.0019	-2.5 to 2.5	Pass
					3.85	-7.453	-0.0040	-2.5 to 2.5	Pass
					4.43	-14.520	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-20.742	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-29.025	-0.0157	-2.5 to 2.5	Pass
				-10	3.85	-33.832	-0.0183	-2.5 to 2.5	Pass
				0	3.85	-37.608	-0.0203	-2.5 to 2.5	Pass
				10	3.85	-41.299	-0.0223	-2.5 to 2.5	Pass
				30	3.85	-46.277	-0.0250	-2.5 to 2.5	Pass
				40	3.85	-49.582	-0.0268	-2.5 to 2.5	Pass
				50	3.85	7.038	0.0038	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	-28.639	-0.0152	-2.5 to 2.5	Pass
					3.85	-33.159	-0.0176	-2.5 to 2.5	Pass
					4.43	-34.375	-0.0183	-2.5 to 2.5	Pass

				-30	3.85	-37.122	-0.0197	-2.5 to 2.5	Pass
				-20	3.85	-35.520	-0.0189	-2.5 to 2.5	Pass
				-10	3.85	-36.407	-0.0194	-2.5 to 2.5	Pass
				0	3.85	-36.349	-0.0193	-2.5 to 2.5	Pass
				10	3.85	-37.622	-0.0200	-2.5 to 2.5	Pass
				30	3.85	-37.909	-0.0202	-2.5 to 2.5	Pass
				40	3.85	-40.913	-0.0218	-2.5 to 2.5	Pass
				50	3.85	-42.157	-0.0224	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	-32.587	-0.0171	-2.5 to 2.5	Pass
					3.85	-44.103	-0.0231	-2.5 to 2.5	Pass
					4.43	13.919	0.0073	-2.5 to 2.5	Pass
				-30	3.85	10.028	0.0053	-2.5 to 2.5	Pass
				-20	3.85	5.779	0.0030	-2.5 to 2.5	Pass
				-10	3.85	1.402	0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.718	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-7.224	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-7.381	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-9.470	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-13.604	-0.0071	-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	3.27	7.882	0.0042	-2.5 to 2.5	Pass
					3.85	24.290	0.0131	-2.5 to 2.5	Pass
					4.43	16.766	0.0090	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-23.031	-0.0124	-2.5 to 2.5	Pass
				-10	3.85	-22.559	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-13.061	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-31.786	-0.0171	-2.5 to 2.5	Pass
				30	3.85	-50.311	-0.0271	-2.5 to 2.5	Pass
				40	3.85	-28.424	-0.0153	-2.5 to 2.5	Pass
				50	3.85	-1.860	-0.0010	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	12.031	0.0064	-2.5 to 2.5	Pass
					3.85	19.512	0.0104	-2.5 to 2.5	Pass
					4.43	20.514	0.0109	-2.5 to 2.5	Pass
				-30	3.85	18.024	0.0096	-2.5 to 2.5	Pass
				-20	3.85	13.704	0.0073	-2.5 to 2.5	Pass
				-10	3.85	6.423	0.0034	-2.5 to 2.5	Pass
				0	3.85	5.364	0.0029	-2.5 to 2.5	Pass
				10	3.85	-2.060	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-8.712	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-11.644	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-16.880	-0.0090	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	15.707	0.0082	-2.5 to 2.5	Pass
					3.85	18.339	0.0096	-2.5 to 2.5	Pass
					4.43	4.606	0.0024	-2.5 to 2.5	Pass
				-30	3.85	-9.255	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-29.011	-0.0152	-2.5 to 2.5	Pass
				-10	3.85	-26.665	-0.0140	-2.5 to 2.5	Pass

16QAM				0	3.85	-13.876	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-27.480	-0.0144	-2.5 to 2.5	Pass
				30	3.85	-42.744	-0.0224	-2.5 to 2.5	Pass
				40	3.85	-7.267	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-17.781	-0.0093	-2.5 to 2.5	Pass
	1855	50	0	20	3.27	-9.184	-0.0050	-2.5 to 2.5	Pass
					3.85	-19.956	-0.0108	-2.5 to 2.5	Pass
					4.43	-25.377	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-29.368	-0.0158	-2.5 to 2.5	Pass
				-20	3.85	-33.317	-0.0180	-2.5 to 2.5	Pass
				-10	3.85	-35.348	-0.0191	-2.5 to 2.5	Pass
				0	3.85	-41.113	-0.0222	-2.5 to 2.5	Pass
				10	3.85	-44.346	-0.0239	-2.5 to 2.5	Pass
				30	3.85	-12.846	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-17.309	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-20.413	-0.0110	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	-21.472	-0.0114	-2.5 to 2.5	Pass
					3.85	-24.877	-0.0132	-2.5 to 2.5	Pass
					4.43	-24.304	-0.0129	-2.5 to 2.5	Pass
				-30	3.85	-20.986	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-18.940	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-15.650	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-15.621	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-15.979	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-14.634	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-13.404	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-13.661	-0.0073	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	-33.660	-0.0177	-2.5 to 2.5	Pass
					3.85	-25.721	-0.0135	-2.5 to 2.5	Pass
					4.43	6.208	0.0033	-2.5 to 2.5	Pass
				-30	3.85	3.791	0.0020	-2.5 to 2.5	Pass
				-20	3.85	3.176	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.416	0.0007	-2.5 to 2.5	Pass
				0	3.85	-3.533	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-4.406	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-8.941	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-13.804	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-16.222	-0.0085	-2.5 to 2.5	Pass

1.5 B2_15MHz

1.5.1 Test Result

Band: 2 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.27	-2.646	-0.0014	-2.5 to 2.5	Pass
					3.85	11.258	0.0061	-2.5 to 2.5	Pass
					4.43	-0.200	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-15.779	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-33.846	-0.0182	-2.5 to 2.5	Pass
				-10	3.85	-10.514	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-11.373	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-26.350	-0.0142	-2.5 to 2.5	Pass
				30	3.85	-40.469	-0.0218	-2.5 to 2.5	Pass
				40	3.85	-9.284	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-19.040	-0.0103	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	13.032	0.0069	-2.5 to 2.5	Pass
					3.85	22.116	0.0118	-2.5 to 2.5	Pass
					4.43	26.050	0.0139	-2.5 to 2.5	Pass
				-30	3.85	26.979	0.0144	-2.5 to 2.5	Pass
				-20	3.85	25.334	0.0135	-2.5 to 2.5	Pass
				-10	3.85	20.599	0.0110	-2.5 to 2.5	Pass
				0	3.85	14.334	0.0076	-2.5 to 2.5	Pass
				10	3.85	14.319	0.0076	-2.5 to 2.5	Pass
				30	3.85	12.660	0.0067	-2.5 to 2.5	Pass
				40	3.85	9.212	0.0049	-2.5 to 2.5	Pass
				50	3.85	5.364	0.0029	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	1.688	0.0009	-2.5 to 2.5	Pass
					3.85	5.136	0.0027	-2.5 to 2.5	Pass
					4.43	-4.206	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-18.640	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-35.219	-0.0185	-2.5 to 2.5	Pass
				-10	3.85	-1.230	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-13.890	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-28.811	-0.0151	-2.5 to 2.5	Pass
				30	3.85	-37.737	-0.0198	-2.5 to 2.5	Pass
				40	3.85	-50.411	-0.0265	-2.5 to 2.5	Pass
				50	3.85	-12.817	-0.0067	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.27	-32.215	-0.0173	-2.5 to 2.5	Pass
					3.85	-39.296	-0.0212	-2.5 to 2.5	Pass
					4.43	-44.789	-0.0241	-2.5 to 2.5	Pass
				-30	3.85	-8.554	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-4.277	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-8.984	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-11.873	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-12.403	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-19.326	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-21.358	-0.0115	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	2.546	0.0014	-2.5 to 2.5	Pass
					3.85	3.290	0.0018	-2.5 to 2.5	Pass
					4.43	5.822	0.0031	-2.5 to 2.5	Pass

				-30	3.85	10.757	0.0057	-2.5 to 2.5	Pass
				-20	3.85	13.618	0.0072	-2.5 to 2.5	Pass
				-10	3.85	17.323	0.0092	-2.5 to 2.5	Pass
				0	3.85	17.538	0.0093	-2.5 to 2.5	Pass
				10	3.85	19.569	0.0104	-2.5 to 2.5	Pass
				30	3.85	20.642	0.0110	-2.5 to 2.5	Pass
				40	3.85	22.058	0.0117	-2.5 to 2.5	Pass
				50	3.85	22.445	0.0119	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	-21.715	-0.0114	-2.5 to 2.5	Pass
					3.85	-27.566	-0.0145	-2.5 to 2.5	Pass
					4.43	-29.655	-0.0156	-2.5 to 2.5	Pass
				-30	3.85	-32.773	-0.0172	-2.5 to 2.5	Pass
				-20	3.85	-32.687	-0.0172	-2.5 to 2.5	Pass
				-10	3.85	-34.146	-0.0179	-2.5 to 2.5	Pass
				0	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				10	3.85	10.371	0.0055	-2.5 to 2.5	Pass
				30	3.85	7.854	0.0041	-2.5 to 2.5	Pass
				40	3.85	3.934	0.0021	-2.5 to 2.5	Pass
				50	3.85	4.492	0.0024	-2.5 to 2.5	Pass

1.6 B2_20MHz

1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	27.208	0.0146	-2.5 to 2.5	Pass
					3.85	26.693	0.0144	-2.5 to 2.5	Pass
					4.43	5.436	0.0029	-2.5 to 2.5	Pass
				-30	3.85	-19.741	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-43.058	-0.0231	-2.5 to 2.5	Pass
				-10	3.85	-30.255	-0.0163	-2.5 to 2.5	Pass
				0	3.85	-39.239	-0.0211	-2.5 to 2.5	Pass
				10	3.85	-2.604	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-18.396	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-30.799	-0.0166	-2.5 to 2.5	Pass
				50	3.85	-30.684	-0.0165	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	18.539	0.0099	-2.5 to 2.5	Pass
					3.85	26.793	0.0143	-2.5 to 2.5	Pass
					4.43	26.135	0.0139	-2.5 to 2.5	Pass
				-30	3.85	21.858	0.0116	-2.5 to 2.5	Pass
				-20	3.85	17.924	0.0095	-2.5 to 2.5	Pass
				-10	3.85	14.648	0.0078	-2.5 to 2.5	Pass
				0	3.85	9.484	0.0050	-2.5 to 2.5	Pass
				10	3.85	7.181	0.0038	-2.5 to 2.5	Pass
				30	3.85	4.163	0.0022	-2.5 to 2.5	Pass
				40	3.85	0.830	0.0004	-2.5 to 2.5	Pass
				50	3.85	1.302	0.0007	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	16.022	0.0084	-2.5 to 2.5	Pass
					3.85	16.494	0.0087	-2.5 to 2.5	Pass
					4.43	2.818	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-14.148	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-33.674	-0.0177	-2.5 to 2.5	Pass
				-10	3.85	-11.315	-0.0060	-2.5 to 2.5	Pass

16QAM				0	3.85	-23.975	-0.0126	-2.5 to 2.5	Pass
				10	3.85	-36.035	-0.0190	-2.5 to 2.5	Pass
				30	3.85	-46.835	-0.0247	-2.5 to 2.5	Pass
				40	3.85	5.336	0.0028	-2.5 to 2.5	Pass
				50	3.85	-5.407	-0.0028	-2.5 to 2.5	Pass
	1860	100	0	20	3.27	-19.670	-0.0106	-2.5 to 2.5	Pass
					3.85	-24.819	-0.0133	-2.5 to 2.5	Pass
					4.43	-24.877	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	-26.393	-0.0142	-2.5 to 2.5	Pass
				-20	3.85	-26.836	-0.0144	-2.5 to 2.5	Pass
				-10	3.85	-29.697	-0.0160	-2.5 to 2.5	Pass
				0	3.85	-28.067	-0.0151	-2.5 to 2.5	Pass
				10	3.85	-33.374	-0.0179	-2.5 to 2.5	Pass
				30	3.85	-35.291	-0.0190	-2.5 to 2.5	Pass
				40	3.85	-41.685	-0.0224	-2.5 to 2.5	Pass
				50	3.85	-42.415	-0.0228	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	-2.518	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.830	-0.0004	-2.5 to 2.5	Pass
					4.43	4.992	0.0027	-2.5 to 2.5	Pass
				-30	3.85	8.268	0.0044	-2.5 to 2.5	Pass
				-20	3.85	12.474	0.0066	-2.5 to 2.5	Pass
				-10	3.85	16.022	0.0085	-2.5 to 2.5	Pass
				0	3.85	18.797	0.0100	-2.5 to 2.5	Pass
				10	3.85	19.012	0.0101	-2.5 to 2.5	Pass
				30	3.85	20.599	0.0110	-2.5 to 2.5	Pass
				40	3.85	21.601	0.0115	-2.5 to 2.5	Pass
				50	3.85	22.058	0.0117	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	-15.693	-0.0083	-2.5 to 2.5	Pass
					3.85	-15.006	-0.0079	-2.5 to 2.5	Pass
					4.43	-13.275	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-9.885	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-7.453	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-6.881	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-5.364	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-6.309	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-7.110	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-6.022	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-8.140	-0.0043	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B38_5MHz

2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.27	-36.306	-0.0141	-2.5 to 2.5	Pass
					3.85	-7.539	-0.0029	-2.5 to 2.5	Pass
					4.43	-11.573	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	11.344	0.0044	-2.5 to 2.5	Pass
				-20	3.85	13.146	0.0051	-2.5 to 2.5	Pass
				-10	3.85	10.929	0.0042	-2.5 to 2.5	Pass
				0	3.85	10.085	0.0039	-2.5 to 2.5	Pass
				10	3.85	-4.992	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-8.268	-0.0032	-2.5 to 2.5	Pass
				40	3.85	5.579	0.0022	-2.5 to 2.5	Pass
				50	3.85	5.522	0.0021	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	-37.465	-0.0144	-2.5 to 2.5	Pass
					3.85	-35.648	-0.0137	-2.5 to 2.5	Pass
					4.43	-35.920	-0.0138	-2.5 to 2.5	Pass
				-30	3.85	-38.710	-0.0149	-2.5 to 2.5	Pass
				-20	3.85	-44.532	-0.0172	-2.5 to 2.5	Pass
				-10	3.85	-17.753	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-25.120	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-35.062	-0.0135	-2.5 to 2.5	Pass
				30	3.85	-46.320	-0.0178	-2.5 to 2.5	Pass
				40	3.85	8.984	0.0035	-2.5 to 2.5	Pass
				50	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	-21.415	-0.0082	-2.5 to 2.5	Pass
					3.85	-25.063	-0.0096	-2.5 to 2.5	Pass
					4.43	-29.039	-0.0111	-2.5 to 2.5	Pass
				-30	3.85	-35.963	-0.0137	-2.5 to 2.5	Pass
				-20	3.85	-46.291	-0.0177	-2.5 to 2.5	Pass
				-10	3.85	-22.459	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-34.561	-0.0132	-2.5 to 2.5	Pass
				10	3.85	-45.404	-0.0173	-2.5 to 2.5	Pass
				30	3.85	3.104	0.0012	-2.5 to 2.5	Pass
				40	3.85	-8.726	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-14.992	-0.0057	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.27	10.257	0.0040	-2.5 to 2.5	Pass
					3.85	10.543	0.0041	-2.5 to 2.5	Pass
					4.43	7.939	0.0031	-2.5 to 2.5	Pass
				-30	3.85	-4.048	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	14.048	0.0055	-2.5 to 2.5	Pass
				0	3.85	16.780	0.0065	-2.5 to 2.5	Pass
				10	3.85	5.107	0.0020	-2.5 to 2.5	Pass
				30	3.85	5.407	0.0021	-2.5 to 2.5	Pass
				40	3.85	19.584	0.0076	-2.5 to 2.5	Pass
				50	3.85	18.997	0.0074	-2.5 to 2.5	Pass

	2595	25	0	20	3.27	-6.924	-0.0027	-2.5 to 2.5	Pass
					3.85	-14.176	-0.0055	-2.5 to 2.5	Pass
					4.43	-20.041	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-25.463	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-25.749	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-29.740	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-35.191	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-35.133	-0.0135	-2.5 to 2.5	Pass
				30	3.85	-38.552	-0.0149	-2.5 to 2.5	Pass
	2617.5	25	0	40	3.85	-42.915	-0.0165	-2.5 to 2.5	Pass
				50	3.85	-12.045	-0.0046	-2.5 to 2.5	Pass
				20	3.27	-22.845	-0.0087	-2.5 to 2.5	Pass
					3.85	-38.466	-0.0147	-2.5 to 2.5	Pass
					4.43	-45.376	-0.0173	-2.5 to 2.5	Pass
				-30	3.85	-13.704	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-20.828	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-24.433	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-28.124	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-30.084	-0.0115	-2.5 to 2.5	Pass
				30	3.85	-37.494	-0.0143	-2.5 to 2.5	Pass
				40	3.85	-40.741	-0.0156	-2.5 to 2.5	Pass
				50	3.85	-44.589	-0.0170	-2.5 to 2.5	Pass

2.2 B38_10MHz

2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	3.27	-29.111	-0.0113	-2.5 to 2.5	Pass
					3.85	-2.761	-0.0011	-2.5 to 2.5	Pass
					4.43	13.862	0.0054	-2.5 to 2.5	Pass
				-30	3.85	5.579	0.0022	-2.5 to 2.5	Pass
				-20	3.85	12.188	0.0047	-2.5 to 2.5	Pass
				-10	3.85	-0.801	-0.0003	-2.5 to 2.5	Pass
				0	3.85	2.217	0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-2.460	-0.0010	-2.5 to 2.5	Pass
	2595	50	0	40	3.85	-11.730	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-16.651	-0.0065	-2.5 to 2.5	Pass
				20	3.27	18.110	0.0070	-2.5 to 2.5	Pass
					3.85	19.498	0.0075	-2.5 to 2.5	Pass
					4.43	13.475	0.0052	-2.5 to 2.5	Pass
				-30	3.85	3.061	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-14.992	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-35.205	-0.0136	-2.5 to 2.5	Pass
				0	3.85	-35.462	-0.0137	-2.5 to 2.5	Pass
	2615	50	0	10	3.85	-25.206	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-39.196	-0.0151	-2.5 to 2.5	Pass
				40	3.85	7.610	0.0029	-2.5 to 2.5	Pass
				50	3.85	3.462	0.0013	-2.5 to 2.5	Pass
				20	3.27	-33.002	-0.0126	-2.5 to 2.5	Pass
					3.85	-34.046	-0.0130	-2.5 to 2.5	Pass
					4.43	-46.434	-0.0178	-2.5 to 2.5	Pass

				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-17.982	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-39.268	-0.0150	-2.5 to 2.5	Pass
				0	3.85	-18.997	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-33.588	-0.0128	-2.5 to 2.5	Pass
				30	3.85	-25.477	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-30.155	-0.0115	-2.5 to 2.5	Pass
				50	3.85	-38.996	-0.0149	-2.5 to 2.5	Pass
				16QAM	2575	50	0	20	3.27
3.85	-17.395	-0.0068	-2.5 to 2.5						Pass
4.43	-16.165	-0.0063	-2.5 to 2.5						Pass
-30	3.85	-10.071	-0.0039					-2.5 to 2.5	Pass
-20	3.85	-14.448	-0.0056					-2.5 to 2.5	Pass
-10	3.85	-8.383	-0.0033					-2.5 to 2.5	Pass
0	3.85	-0.257	-0.0001					-2.5 to 2.5	Pass
10	3.85	4.621	0.0018					-2.5 to 2.5	Pass
30	3.85	-4.406	-0.0017					-2.5 to 2.5	Pass
40	3.85	-4.506	-0.0017		-2.5 to 2.5	Pass			
50	3.85	-1.745	-0.0007		-2.5 to 2.5	Pass			
2595	50	0	20		3.27	-5.136	-0.0020	-2.5 to 2.5	Pass
					3.85	-16.994	-0.0065	-2.5 to 2.5	Pass
					4.43	-22.216	-0.0086	-2.5 to 2.5	Pass
			-30		3.85	-23.131	-0.0089	-2.5 to 2.5	Pass
			-20		3.85	-26.035	-0.0100	-2.5 to 2.5	Pass
			-10		3.85	-26.822	-0.0103	-2.5 to 2.5	Pass
			0		3.85	-27.709	-0.0107	-2.5 to 2.5	Pass
			10		3.85	-30.484	-0.0117	-2.5 to 2.5	Pass
			30		3.85	-32.544	-0.0125	-2.5 to 2.5	Pass
40	3.85	-35.448	-0.0137		-2.5 to 2.5	Pass			
50	3.85	-35.877	-0.0138		-2.5 to 2.5	Pass			
2615	50	0	20		3.27	9.813	0.0038	-2.5 to 2.5	Pass
					3.85	3.548	0.0014	-2.5 to 2.5	Pass
					4.43	-5.708	-0.0022	-2.5 to 2.5	Pass
			-30		3.85	-12.159	-0.0046	-2.5 to 2.5	Pass
			-20		3.85	-10.128	-0.0039	-2.5 to 2.5	Pass
			-10		3.85	-16.294	-0.0062	-2.5 to 2.5	Pass
			0		3.85	-18.225	-0.0070	-2.5 to 2.5	Pass
			10		3.85	-19.240	-0.0074	-2.5 to 2.5	Pass
			30	3.85	-26.093	-0.0100	-2.5 to 2.5	Pass	
40	3.85	-29.297	-0.0112	-2.5 to 2.5	Pass				
50	3.85	-33.402	-0.0128	-2.5 to 2.5	Pass				

2.3 B38_15MHz

2.3.1 Test Result

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	3.27	14.634	0.0057	-2.5 to 2.5	Pass
					3.85	38.438	0.0149	-2.5 to 2.5	Pass
					4.43	-12.732	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	9.556	0.0037	-2.5 to 2.5	Pass
				-20	3.85	9.255	0.0036	-2.5 to 2.5	Pass
				-10	3.85	6.738	0.0026	-2.5 to 2.5	Pass
				0	3.85	-16.537	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-16.809	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-19.569	-0.0076	-2.5 to 2.5	Pass
				40	3.85	-0.830	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-22.144	-0.0086	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-22.731	-0.0088	-2.5 to 2.5	Pass
					3.85	-14.176	-0.0055	-2.5 to 2.5	Pass
					4.43	-25.134	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-21.172	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-29.655	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-34.590	-0.0133	-2.5 to 2.5	Pass
				0	3.85	-8.011	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-35.634	-0.0137	-2.5 to 2.5	Pass
				30	3.85	-21.458	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-37.980	-0.0146	-2.5 to 2.5	Pass
				50	3.85	-12.703	-0.0049	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-29.297	-0.0112	-2.5 to 2.5	Pass
					3.85	-37.708	-0.0144	-2.5 to 2.5	Pass
					4.43	-26.736	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-35.319	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-20.270	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-38.166	-0.0146	-2.5 to 2.5	Pass
				0	3.85	-4.578	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-27.695	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-45.633	-0.0175	-2.5 to 2.5	Pass
				40	3.85	-40.369	-0.0155	-2.5 to 2.5	Pass
				50	3.85	-10.986	-0.0042	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.27	-0.243	-0.0001	-2.5 to 2.5	Pass
					3.85	-17.667	-0.0069	-2.5 to 2.5	Pass
					4.43	-1.688	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-15.821	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	1.702	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-12.059	-0.0047	-2.5 to 2.5	Pass
				0	3.85	6.995	0.0027	-2.5 to 2.5	Pass
				10	3.85	11.444	0.0044	-2.5 to 2.5	Pass
				30	3.85	-5.150	-0.0020	-2.5 to 2.5	Pass
				40	3.85	12.202	0.0047	-2.5 to 2.5	Pass
				50	3.85	-2.789	-0.0011	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-32.487	-0.0125	-2.5 to 2.5	Pass
					3.85	-22.802	-0.0088	-2.5 to 2.5	Pass
					4.43	-26.107	-0.0101	-2.5 to 2.5	Pass

				-30	3.85	-19.770	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-44.231	-0.0170	-2.5 to 2.5	Pass
				-10	3.85	-7.968	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-25.363	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-38.967	-0.0150	-2.5 to 2.5	Pass
				30	3.85	10.529	0.0041	-2.5 to 2.5	Pass
				40	3.85	-4.807	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-18.239	-0.0070	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-16.522	-0.0063	-2.5 to 2.5	Pass
					3.85	-26.565	-0.0102	-2.5 to 2.5	Pass
					4.43	-38.710	-0.0148	-2.5 to 2.5	Pass
				-30	3.85	-35.291	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-40.727	-0.0156	-2.5 to 2.5	Pass
				-10	3.85	-48.780	-0.0187	-2.5 to 2.5	Pass
				0	3.85	11.487	0.0044	-2.5 to 2.5	Pass
				10	3.85	3.633	0.0014	-2.5 to 2.5	Pass
				30	3.85	2.332	0.0009	-2.5 to 2.5	Pass
				40	3.85	-5.207	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-7.854	-0.0030	-2.5 to 2.5	Pass

2.4 B38_20MHz

2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.27	4.120	0.0016	-2.5 to 2.5	Pass
					3.85	36.306	0.0141	-2.5 to 2.5	Pass
					4.43	35.849	0.0139	-2.5 to 2.5	Pass
				-30	3.85	25.635	0.0099	-2.5 to 2.5	Pass
				-20	3.85	16.451	0.0064	-2.5 to 2.5	Pass
				-10	3.85	5.164	0.0020	-2.5 to 2.5	Pass
				0	3.85	-18.897	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-29.311	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-35.548	-0.0138	-2.5 to 2.5	Pass
				40	3.85	-39.568	-0.0153	-2.5 to 2.5	Pass
				50	3.85	-49.567	-0.0192	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-36.478	-0.0141	-2.5 to 2.5	Pass
					3.85	-33.059	-0.0127	-2.5 to 2.5	Pass
					4.43	-21.300	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-37.808	-0.0146	-2.5 to 2.5	Pass
				-20	3.85	0.286	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-16.809	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-38.438	-0.0148	-2.5 to 2.5	Pass
				10	3.85	-28.911	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-28.811	-0.0111	-2.5 to 2.5	Pass
				40	3.85	-41.971	-0.0162	-2.5 to 2.5	Pass
				50	3.85	-7.882	-0.0030	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-23.704	-0.0091	-2.5 to 2.5	Pass
					3.85	-27.266	-0.0104	-2.5 to 2.5	Pass
					4.43	-28.539	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-14.248	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-29.597	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-44.332	-0.0170	-2.5 to 2.5	Pass

16QAM				0	3.85	-30.241	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-44.689	-0.0171	-2.5 to 2.5	Pass
				30	3.85	-2.775	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-10.514	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-21.958	-0.0084	-2.5 to 2.5	Pass
	2580	100	0	20	3.27	0.086	0.0000	-2.5 to 2.5	Pass
					3.85	-7.410	-0.0029	-2.5 to 2.5	Pass
					4.43	-0.587	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.402	0.0005	-2.5 to 2.5	Pass
				-20	3.85	13.876	0.0054	-2.5 to 2.5	Pass
				-10	3.85	3.533	0.0014	-2.5 to 2.5	Pass
				0	3.85	12.345	0.0048	-2.5 to 2.5	Pass
				10	3.85	0.873	0.0003	-2.5 to 2.5	Pass
				30	3.85	10.257	0.0040	-2.5 to 2.5	Pass
				40	3.85	-0.372	-0.0001	-2.5 to 2.5	Pass
				50	3.85	9.441	0.0037	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-15.121	-0.0058	-2.5 to 2.5	Pass
					3.85	-17.123	-0.0066	-2.5 to 2.5	Pass
					4.43	-20.871	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-16.308	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-16.479	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-18.396	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-23.646	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-25.635	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-26.693	-0.0103	-2.5 to 2.5	Pass
				40	3.85	-27.823	-0.0107	-2.5 to 2.5	Pass
				50	3.85	-32.673	-0.0126	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-27.409	-0.0105	-2.5 to 2.5	Pass
					3.85	-32.387	-0.0124	-2.5 to 2.5	Pass
					4.43	-35.806	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-35.062	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	-37.880	-0.0145	-2.5 to 2.5	Pass
				-10	3.85	-27.294	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-31.714	-0.0122	-2.5 to 2.5	Pass
				10	3.85	-30.499	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-32.744	-0.0125	-2.5 to 2.5	Pass
				40	3.85	-41.299	-0.0158	-2.5 to 2.5	Pass
				50	3.85	-32.029	-0.0123	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-7.067	-0.0041	-2.5 to 2.5	Pass
					3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
					4.43	-31.972	-0.0187	-2.5 to 2.5	Pass
				-30	3.85	-24.219	-0.0142	-2.5 to 2.5	Pass
				-20	3.85	-40.898	-0.0239	-2.5 to 2.5	Pass
				-10	3.85	-36.635	-0.0214	-2.5 to 2.5	Pass
				0	3.85	-9.828	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-24.004	-0.0140	-2.5 to 2.5	Pass
				30	3.85	-6.323	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-24.576	-0.0144	-2.5 to 2.5	Pass
				50	3.85	-19.012	-0.0111	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-19.541	-0.0113	-2.5 to 2.5	Pass
					3.85	-30.913	-0.0178	-2.5 to 2.5	Pass
					4.43	-39.668	-0.0229	-2.5 to 2.5	Pass
				-30	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-12.875	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-27.351	-0.0158	-2.5 to 2.5	Pass
				0	3.85	-39.482	-0.0228	-2.5 to 2.5	Pass
				10	3.85	-17.524	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-27.637	-0.0160	-2.5 to 2.5	Pass
				40	3.85	-43.530	-0.0251	-2.5 to 2.5	Pass
				50	3.85	-20.285	-0.0117	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-5.093	-0.0029	-2.5 to 2.5	Pass
					3.85	-35.348	-0.0201	-2.5 to 2.5	Pass
					4.43	-18.783	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-24.004	-0.0137	-2.5 to 2.5	Pass
				-20	3.85	-41.342	-0.0236	-2.5 to 2.5	Pass
				-10	3.85	-20.657	-0.0118	-2.5 to 2.5	Pass
				0	3.85	-11.230	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-34.146	-0.0195	-2.5 to 2.5	Pass
				30	3.85	-44.532	-0.0254	-2.5 to 2.5	Pass
				40	3.85	-9.012	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-21.615	-0.0123	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-6.795	-0.0040	-2.5 to 2.5	Pass
					3.85	-10.915	-0.0064	-2.5 to 2.5	Pass
					4.43	-15.049	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-14.591	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-13.762	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-21.629	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-13.504	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-22.960	-0.0134	-2.5 to 2.5	Pass
				30	3.85	-27.795	-0.0162	-2.5 to 2.5	Pass
				40	3.85	-16.880	-0.0099	-2.5 to 2.5	Pass
				50	3.85	9.542	0.0056	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	-33.116	-0.0191	-2.5 to 2.5	Pass
					3.85	-43.015	-0.0248	-2.5 to 2.5	Pass
					4.43	-14.205	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-22.573	-0.0130	-2.5 to 2.5	Pass
				-20	3.85	-32.258	-0.0186	-2.5 to 2.5	Pass
				-10	3.85	-38.266	-0.0221	-2.5 to 2.5	Pass
				0	3.85	18.268	0.0105	-2.5 to 2.5	Pass
				10	3.85	11.158	0.0064	-2.5 to 2.5	Pass
				30	3.85	3.104	0.0018	-2.5 to 2.5	Pass
	1754.3	6	0	40	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-11.544	-0.0067	-2.5 to 2.5	Pass
				20	3.27	-34.833	-0.0199	-2.5 to 2.5	Pass
					3.85	-26.622	-0.0152	-2.5 to 2.5	Pass
					4.43	-31.514	-0.0180	-2.5 to 2.5	Pass
				-30	3.85	-30.069	-0.0171	-2.5 to 2.5	Pass
				-20	3.85	-14.877	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-6.967	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-35.133	-0.0200	-2.5 to 2.5	Pass
				10	3.85	-12.789	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-16.007	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-29.440	-0.0168	-2.5 to 2.5	Pass
				50	3.85	-14.749	-0.0084	-2.5 to 2.5	Pass

3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	12.202	0.0071	-2.5 to 2.5	Pass
					3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
					4.43	6.680	0.0039	-2.5 to 2.5	Pass
				-30	3.85	-29.469	-0.0172	-2.5 to 2.5	Pass
				-20	3.85	-15.249	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-36.078	-0.0211	-2.5 to 2.5	Pass
				0	3.85	-36.221	-0.0212	-2.5 to 2.5	Pass
				10	3.85	-28.238	-0.0165	-2.5 to 2.5	Pass
				30	3.85	-21.443	-0.0125	-2.5 to 2.5	Pass
	1732.5	15	0	40	3.85	-10.700	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-12.474	-0.0073	-2.5 to 2.5	Pass
				20	3.27	-9.756	-0.0056	-2.5 to 2.5	Pass
					3.85	-16.050	-0.0093	-2.5 to 2.5	Pass
					4.43	-23.675	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-9.155	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-7.768	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-22.416	-0.0129	-2.5 to 2.5	Pass
				0	3.85	-34.089	-0.0197	-2.5 to 2.5	Pass
				10	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				30	3.85	-9.656	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-20.528	-0.0118	-2.5 to 2.5	Pass
				50	3.85	-35.133	-0.0203	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-0.486	-0.0003	-2.5 to 2.5	Pass
					3.85	0.186	0.0001	-2.5 to 2.5	Pass
					4.43	-3.061	-0.0017	-2.5 to 2.5	Pass

16QAM	1711.5	15	0	-30	3.85	-11.258	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-20.027	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-31.757	-0.0181	-2.5 to 2.5	Pass
				0	3.85	-41.513	-0.0237	-2.5 to 2.5	Pass
				10	3.85	-12.689	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-24.204	-0.0138	-2.5 to 2.5	Pass
				40	3.85	-34.146	-0.0195	-2.5 to 2.5	Pass
				50	3.85	-45.176	-0.0258	-2.5 to 2.5	Pass
				20	3.27	-7.968	-0.0047	-2.5 to 2.5	Pass
					3.85	-4.735	-0.0028	-2.5 to 2.5	Pass
					4.43	-31.800	-0.0186	-2.5 to 2.5	Pass
				-30	3.85	-15.850	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-18.053	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-25.349	-0.0148	-2.5 to 2.5	Pass
				0	3.85	-10.886	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-31.872	-0.0186	-2.5 to 2.5	Pass
				30	3.85	0.257	0.0002	-2.5 to 2.5	Pass
				40	3.85	-19.498	-0.0114	-2.5 to 2.5	Pass
				50	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-12.274	-0.0071	-2.5 to 2.5	Pass
					3.85	-20.256	-0.0117	-2.5 to 2.5	Pass
					4.43	-31.486	-0.0182	-2.5 to 2.5	Pass
				-30	3.85	-37.279	-0.0215	-2.5 to 2.5	Pass
				-20	3.85	-7.839	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-14.348	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-21.014	-0.0121	-2.5 to 2.5	Pass
				10	3.85	-25.620	-0.0148	-2.5 to 2.5	Pass
				30	3.85	-31.915	-0.0184	-2.5 to 2.5	Pass
				40	3.85	-34.947	-0.0202	-2.5 to 2.5	Pass
				50	3.85	-41.213	-0.0238	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-21.286	-0.0121	-2.5 to 2.5	Pass
					3.85	-29.383	-0.0168	-2.5 to 2.5	Pass
					4.43	-36.850	-0.0210	-2.5 to 2.5	Pass
				-30	3.85	-43.001	-0.0245	-2.5 to 2.5	Pass
				-20	3.85	-48.122	-0.0274	-2.5 to 2.5	Pass
				-10	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-7.181	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-11.287	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-16.093	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-19.226	-0.0110	-2.5 to 2.5	Pass
				50	3.85	-24.118	-0.0138	-2.5 to 2.5	Pass

3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	31.843	0.0186	-2.5 to 2.5	Pass
					3.85	6.824	0.0040	-2.5 to 2.5	Pass
					4.43	6.022	0.0035	-2.5 to 2.5	Pass
				-30	3.85	0.300	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-12.174	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-27.552	-0.0161	-2.5 to 2.5	Pass
				0	3.85	-25.563	-0.0149	-2.5 to 2.5	Pass
				10	3.85	-19.927	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-34.676	-0.0202	-2.5 to 2.5	Pass
				40	3.85	-9.813	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-27.123	-0.0158	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	9.956	0.0057	-2.5 to 2.5	Pass
					3.85	15.879	0.0092	-2.5 to 2.5	Pass
					4.43	16.022	0.0092	-2.5 to 2.5	Pass
				-30	3.85	11.516	0.0066	-2.5 to 2.5	Pass
				-20	3.85	8.397	0.0048	-2.5 to 2.5	Pass
				-10	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				0	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-8.626	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-14.462	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-18.711	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-26.221	-0.0151	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	0.529	0.0003	-2.5 to 2.5	Pass
					3.85	5.336	0.0030	-2.5 to 2.5	Pass
					4.43	0.329	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-6.881	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-16.065	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-22.945	-0.0131	-2.5 to 2.5	Pass
				10	3.85	-31.028	-0.0177	-2.5 to 2.5	Pass
				30	3.85	-10.085	-0.0058	-2.5 to 2.5	Pass
				40	3.85	4.148	0.0024	-2.5 to 2.5	Pass
				50	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-41.356	-0.0241	-2.5 to 2.5	Pass
					3.85	-15.664	-0.0091	-2.5 to 2.5	Pass
					4.43	-23.947	-0.0140	-2.5 to 2.5	Pass
				-30	3.85	-35.062	-0.0205	-2.5 to 2.5	Pass
				-20	3.85	8.440	0.0049	-2.5 to 2.5	Pass
				-10	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				0	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-8.812	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-16.966	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-20.828	-0.0122	-2.5 to 2.5	Pass
				50	3.85	-26.565	-0.0155	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-32.516	-0.0188	-2.5 to 2.5	Pass
					3.85	-39.439	-0.0228	-2.5 to 2.5	Pass
					4.43	-43.159	-0.0249	-2.5 to 2.5	Pass

				-30	3.85	-45.962	-0.0265	-2.5 to 2.5	Pass
				-20	3.85	-49.195	-0.0284	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-7.238	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-7.439	-0.0043	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-14.291	-0.0082	-2.5 to 2.5	Pass
					3.85	-19.712	-0.0112	-2.5 to 2.5	Pass
					4.43	-26.135	-0.0149	-2.5 to 2.5	Pass
				-30	3.85	-26.994	-0.0154	-2.5 to 2.5	Pass
				-20	3.85	-31.328	-0.0179	-2.5 to 2.5	Pass
				-10	3.85	-29.926	-0.0171	-2.5 to 2.5	Pass
				0	3.85	-33.460	-0.0191	-2.5 to 2.5	Pass
				10	3.85	-35.019	-0.0200	-2.5 to 2.5	Pass
				30	3.85	-14.877	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass

3.4 B4_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	23.274	0.0136	-2.5 to 2.5	Pass
					3.85	37.251	0.0217	-2.5 to 2.5	Pass
					4.43	32.644	0.0190	-2.5 to 2.5	Pass
				-30	3.85	16.408	0.0096	-2.5 to 2.5	Pass
				-20	3.85	3.104	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-10.757	-0.0063	-2.5 to 2.5	Pass
				0	3.85	-24.691	-0.0144	-2.5 to 2.5	Pass
				10	3.85	-37.894	-0.0221	-2.5 to 2.5	Pass
				30	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-14.391	-0.0084	-2.5 to 2.5	Pass
				50	3.85	-25.349	-0.0148	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	9.112	0.0053	-2.5 to 2.5	Pass
					3.85	12.546	0.0072	-2.5 to 2.5	Pass
					4.43	6.409	0.0037	-2.5 to 2.5	Pass
				-30	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-15.979	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-28.753	-0.0166	-2.5 to 2.5	Pass
				0	3.85	-41.728	-0.0241	-2.5 to 2.5	Pass
				10	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-13.247	-0.0076	-2.5 to 2.5	Pass
				40	3.85	-23.088	-0.0133	-2.5 to 2.5	Pass
				50	3.85	-33.331	-0.0192	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	16.694	0.0095	-2.5 to 2.5	Pass
					3.85	23.561	0.0135	-2.5 to 2.5	Pass
					4.43	13.647	0.0078	-2.5 to 2.5	Pass
				-30	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-17.123	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-34.904	-0.0199	-2.5 to 2.5	Pass

16QAM				0	3.85	-14.362	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-27.080	-0.0155	-2.5 to 2.5	Pass
				30	3.85	-35.806	-0.0205	-2.5 to 2.5	Pass
				40	3.85	-16.923	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-28.868	-0.0165	-2.5 to 2.5	Pass
	1715	50	0	20	3.27	-37.980	-0.0221	-2.5 to 2.5	Pass
					3.85	-9.785	-0.0057	-2.5 to 2.5	Pass
					4.43	-11.458	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-15.092	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-17.552	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-19.941	-0.0116	-2.5 to 2.5	Pass
				0	3.85	-23.088	-0.0135	-2.5 to 2.5	Pass
				10	3.85	-26.436	-0.0154	-2.5 to 2.5	Pass
				30	3.85	-29.941	-0.0175	-2.5 to 2.5	Pass
				40	3.85	-33.202	-0.0194	-2.5 to 2.5	Pass
				50	3.85	-37.308	-0.0218	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-5.522	-0.0032	-2.5 to 2.5	Pass
					3.85	-11.530	-0.0067	-2.5 to 2.5	Pass
					4.43	-13.318	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-13.933	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-15.736	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-17.610	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-18.096	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-21.744	-0.0126	-2.5 to 2.5	Pass
				30	3.85	-22.273	-0.0129	-2.5 to 2.5	Pass
				40	3.85	-24.905	-0.0144	-2.5 to 2.5	Pass
				50	3.85	-26.035	-0.0150	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-42.486	-0.0243	-2.5 to 2.5	Pass
					3.85	-14.906	-0.0085	-2.5 to 2.5	Pass
					4.43	-20.943	-0.0120	-2.5 to 2.5	Pass
				-30	3.85	-23.246	-0.0133	-2.5 to 2.5	Pass
				-20	3.85	-25.907	-0.0148	-2.5 to 2.5	Pass
				-10	3.85	-29.597	-0.0169	-2.5 to 2.5	Pass
				0	3.85	-29.984	-0.0171	-2.5 to 2.5	Pass
				10	3.85	-34.018	-0.0194	-2.5 to 2.5	Pass
				30	3.85	-36.335	-0.0208	-2.5 to 2.5	Pass
				40	3.85	-39.625	-0.0226	-2.5 to 2.5	Pass
				50	3.85	-45.590	-0.0261	-2.5 to 2.5	Pass

3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	20.199	0.0118	-2.5 to 2.5	Pass
					3.85	18.253	0.0106	-2.5 to 2.5	Pass
					4.43	-1.245	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-7.010	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-16.193	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-23.675	-0.0138	-2.5 to 2.5	Pass
				0	3.85	-31.128	-0.0181	-2.5 to 2.5	Pass
				10	3.85	-39.139	-0.0228	-2.5 to 2.5	Pass
				30	3.85	-10.057	-0.0059	-2.5 to 2.5	Pass

				40	3.85	-15.707	-0.0091	-2.5 to 2.5	Pass
				50	3.85	-22.759	-0.0133	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	1.531	0.0009	-2.5 to 2.5	Pass
					3.85	6.080	0.0035	-2.5 to 2.5	Pass
					4.43	0.501	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-12.374	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-23.260	-0.0134	-2.5 to 2.5	Pass
				-10	3.85	-34.018	-0.0196	-2.5 to 2.5	Pass
				0	3.85	-7.582	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-17.996	-0.0104	-2.5 to 2.5	Pass
				30	3.85	-26.751	-0.0154	-2.5 to 2.5	Pass
				40	3.85	-35.377	-0.0204	-2.5 to 2.5	Pass
				50	3.85	-24.805	-0.0143	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	16.909	0.0097	-2.5 to 2.5	Pass
					3.85	11.516	0.0066	-2.5 to 2.5	Pass
					4.43	-0.186	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-21.944	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-24.462	-0.0140	-2.5 to 2.5	Pass
				-10	3.85	-20.370	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-35.977	-0.0206	-2.5 to 2.5	Pass
				10	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-16.866	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-29.240	-0.0167	-2.5 to 2.5	Pass
				50	3.85	-41.871	-0.0240	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-28.911	-0.0168	-2.5 to 2.5	Pass
					3.85	-32.115	-0.0187	-2.5 to 2.5	Pass
					4.43	-31.328	-0.0182	-2.5 to 2.5	Pass
				-30	3.85	-28.553	-0.0166	-2.5 to 2.5	Pass
				-20	3.85	-26.350	-0.0153	-2.5 to 2.5	Pass
				-10	3.85	-27.466	-0.0160	-2.5 to 2.5	Pass
				0	3.85	-27.022	-0.0157	-2.5 to 2.5	Pass
				10	3.85	-25.692	-0.0150	-2.5 to 2.5	Pass
				30	3.85	-24.548	-0.0143	-2.5 to 2.5	Pass
				40	3.85	-23.675	-0.0138	-2.5 to 2.5	Pass
				50	3.85	-25.091	-0.0146	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-5.035	-0.0029	-2.5 to 2.5	Pass
					3.85	-8.354	-0.0048	-2.5 to 2.5	Pass
					4.43	-8.683	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-7.725	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-6.967	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-8.225	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-9.027	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-7.768	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-9.670	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-9.384	-0.0054	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-17.009	-0.0097	-2.5 to 2.5	Pass
					3.85	-23.046	-0.0132	-2.5 to 2.5	Pass
					4.43	-26.507	-0.0152	-2.5 to 2.5	Pass
				-30	3.85	-29.955	-0.0171	-2.5 to 2.5	Pass
				-20	3.85	-30.785	-0.0176	-2.5 to 2.5	Pass
				-10	3.85	-36.178	-0.0207	-2.5 to 2.5	Pass
				0	3.85	-36.178	-0.0207	-2.5 to 2.5	Pass
				10	3.85	-36.407	-0.0208	-2.5 to 2.5	Pass
				30	3.85	-40.283	-0.0231	-2.5 to 2.5	Pass
				40	3.85	-44.904	-0.0257	-2.5 to 2.5	Pass
				50	3.85	-46.163	-0.0264	-2.5 to 2.5	Pass

3.6 B4_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	17.824	0.0104	-2.5 to 2.5	Pass
					3.85	16.766	0.0097	-2.5 to 2.5	Pass
					4.43	17.653	0.0103	-2.5 to 2.5	Pass
				-30	3.85	10.686	0.0062	-2.5 to 2.5	Pass
				-20	3.85	3.347	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-9.956	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-14.434	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-19.670	-0.0114	-2.5 to 2.5	Pass
				40	3.85	-23.518	-0.0137	-2.5 to 2.5	Pass
				50	3.85	-26.994	-0.0157	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	21.143	0.0122	-2.5 to 2.5	Pass
					3.85	24.562	0.0142	-2.5 to 2.5	Pass
					4.43	7.296	0.0042	-2.5 to 2.5	Pass
				-30	3.85	-12.774	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-29.240	-0.0169	-2.5 to 2.5	Pass
				-10	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-19.383	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-32.859	-0.0190	-2.5 to 2.5	Pass
				30	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-18.096	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-27.409	-0.0158	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	36.936	0.0212	-2.5 to 2.5	Pass
					3.85	34.747	0.0199	-2.5 to 2.5	Pass
					4.43	11.444	0.0066	-2.5 to 2.5	Pass
				-30	3.85	-13.390	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-17.195	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-16.823	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-15.779	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-30.999	-0.0178	-2.5 to 2.5	Pass
				40	3.85	-18.296	-0.0105	-2.5 to 2.5	Pass
				50	3.85	-31.314	-0.0179	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-32.902	-0.0191	-2.5 to 2.5	Pass
					3.85	-33.703	-0.0196	-2.5 to 2.5	Pass
					4.43	-30.255	-0.0176	-2.5 to 2.5	Pass
				-30	3.85	-26.493	-0.0154	-2.5 to 2.5	Pass
				-20	3.85	-21.801	-0.0127	-2.5 to 2.5	Pass
				-10	3.85	-19.398	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-19.526	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-16.909	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-18.568	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-18.582	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-18.654	-0.0108	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-35.448	-0.0205	-2.5 to 2.5	Pass
					3.85	-38.595	-0.0223	-2.5 to 2.5	Pass
					4.43	-38.109	-0.0220	-2.5 to 2.5	Pass

				-30	3.85	-38.309	-0.0221	-2.5 to 2.5	Pass
				-20	3.85	-34.261	-0.0198	-2.5 to 2.5	Pass
				-10	3.85	-35.305	-0.0204	-2.5 to 2.5	Pass
				0	3.85	-34.575	-0.0200	-2.5 to 2.5	Pass
				10	3.85	-34.547	-0.0199	-2.5 to 2.5	Pass
				30	3.85	-37.665	-0.0217	-2.5 to 2.5	Pass
				40	3.85	-36.607	-0.0211	-2.5 to 2.5	Pass
				50	3.85	-39.725	-0.0229	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-25.563	-0.0146	-2.5 to 2.5	Pass
					3.85	-10.300	-0.0059	-2.5 to 2.5	Pass
					4.43	-11.001	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-8.855	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-7.195	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-8.268	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-9.456	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-11.473	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-13.289	-0.0076	-2.5 to 2.5	Pass
				40	3.85	-15.550	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-15.707	-0.0090	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B40a_5MHz

4.1.1 Test Result

Band: 40a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2307.5	25	0	20	3.27	15.221	0.0066	-2.5 to 2.5	Pass
					3.85	15.721	0.0068	-2.5 to 2.5	Pass
					4.43	16.179	0.0070	-2.5 to 2.5	Pass
				-30	3.85	19.970	0.0087	-2.5 to 2.5	Pass
				-20	3.85	-7.224	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-5.608	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-38.581	-0.0167	-2.5 to 2.5	Pass
				10	3.85	-39.167	-0.0170	-2.5 to 2.5	Pass
				30	3.85	-48.466	-0.0210	-2.5 to 2.5	Pass
				40	3.85	-32.444	-0.0141	-2.5 to 2.5	Pass
				50	3.85	-32.187	-0.0139	-2.5 to 2.5	Pass
	2310	25	0	20	3.27	4.692	0.0020	-2.5 to 2.5	Pass
					3.85	1.130	0.0005	-2.5 to 2.5	Pass
					4.43	6.180	0.0027	-2.5 to 2.5	Pass
				-30	3.85	8.669	0.0038	-2.5 to 2.5	Pass
				-20	3.85	2.303	0.0010	-2.5 to 2.5	Pass
				-10	3.85	6.781	0.0029	-2.5 to 2.5	Pass
				0	3.85	4.406	0.0019	-2.5 to 2.5	Pass
				10	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-6.809	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-17.309	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-18.396	-0.0080	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	-19.870	-0.0086	-2.5 to 2.5	Pass
					3.85	-5.164	-0.0022	-2.5 to 2.5	Pass
					4.43	-6.409	-0.0028	-2.5 to 2.5	Pass

16QAM	2307.5	25	0	-30	3.85	4.191	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	7.510	0.0032	-2.5 to 2.5	Pass
				0	3.85	-0.529	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.544	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.704	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-4.048	-0.0018	-2.5 to 2.5	Pass
	2310	25	0	20	3.27	2.389	0.0010	-2.5 to 2.5	Pass
					3.85	20.070	0.0087	-2.5 to 2.5	Pass
					4.43	10.271	0.0045	-2.5 to 2.5	Pass
				-30	3.85	14.334	0.0062	-2.5 to 2.5	Pass
				-20	3.85	30.141	0.0131	-2.5 to 2.5	Pass
				-10	3.85	29.511	0.0128	-2.5 to 2.5	Pass
				0	3.85	15.907	0.0069	-2.5 to 2.5	Pass
				10	3.85	15.435	0.0067	-2.5 to 2.5	Pass
				30	3.85	30.212	0.0131	-2.5 to 2.5	Pass
				40	3.85	27.838	0.0121	-2.5 to 2.5	Pass
				50	3.85	10.586	0.0046	-2.5 to 2.5	Pass
				20	3.27	0.787	0.0003	-2.5 to 2.5	Pass
					3.85	4.778	0.0021	-2.5 to 2.5	Pass
					4.43	14.663	0.0063	-2.5 to 2.5	Pass
				-30	3.85	18.597	0.0081	-2.5 to 2.5	Pass
				-20	3.85	30.613	0.0133	-2.5 to 2.5	Pass
				-10	3.85	37.522	0.0162	-2.5 to 2.5	Pass
				0	3.85	33.116	0.0143	-2.5 to 2.5	Pass
				10	3.85	35.877	0.0155	-2.5 to 2.5	Pass
				30	3.85	47.965	0.0208	-2.5 to 2.5	Pass
				40	3.85	3.605	0.0016	-2.5 to 2.5	Pass
				50	3.85	1.059	0.0005	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	-15.421	-0.0067	-2.5 to 2.5	Pass
					3.85	-15.621	-0.0068	-2.5 to 2.5	Pass
					4.43	-3.991	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	8.540	0.0037	-2.5 to 2.5	Pass
				-20	3.85	15.564	0.0067	-2.5 to 2.5	Pass
				-10	3.85	22.030	0.0095	-2.5 to 2.5	Pass
				0	3.85	31.557	0.0136	-2.5 to 2.5	Pass
				10	3.85	41.900	0.0181	-2.5 to 2.5	Pass
				30	3.85	37.522	0.0162	-2.5 to 2.5	Pass
				40	3.85	4.334	0.0019	-2.5 to 2.5	Pass
				50	3.85	1.788	0.0008	-2.5 to 2.5	Pass

4.2 B40a_10MHz

4.2.1 Test Result

Band: 40a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2310	50	0	20	3.27	38.452	0.0166	-2.5 to 2.5	Pass
					3.85	37.293	0.0161	-2.5 to 2.5	Pass
					4.43	22.230	0.0096	-2.5 to 2.5	Pass
				-30	3.85	-14.949	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-18.725	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-33.002	-0.0143	-2.5 to 2.5	Pass

				0	3.85	-38.710	-0.0168	-2.5 to 2.5	Pass
				10	3.85	-22.330	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-13.189	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-22.945	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-26.035	-0.0113	-2.5 to 2.5	Pass
16QAM	2310	50	0	20	3.27	-2.975	-0.0013	-2.5 to 2.5	Pass
					3.85	9.141	0.0040	-2.5 to 2.5	Pass
					4.43	27.566	0.0119	-2.5 to 2.5	Pass
				-30	3.85	31.986	0.0138	-2.5 to 2.5	Pass
				-20	3.85	7.367	0.0032	-2.5 to 2.5	Pass
				-10	3.85	13.075	0.0057	-2.5 to 2.5	Pass
				0	3.85	23.532	0.0102	-2.5 to 2.5	Pass
				10	3.85	32.473	0.0141	-2.5 to 2.5	Pass
				30	3.85	33.116	0.0143	-2.5 to 2.5	Pass
				40	3.85	41.099	0.0178	-2.5 to 2.5	Pass
				50	3.85	8.340	0.0036	-2.5 to 2.5	Pass

5. Frequency Stability

5.1 B40b_5MHz

5.1.1 Test Result

Band: 40b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2352.5	25	0	20	3.27	-3.219	-0.0014	-2.5 to 2.5	Pass
					3.85	-4.606	-0.0020	-2.5 to 2.5	Pass
					4.43	-10.200	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-10.114	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-29.054	-0.0124	-2.5 to 2.5	Pass
				-10	3.85	-41.814	-0.0178	-2.5 to 2.5	Pass
				0	3.85	-56.047	-0.0238	-2.5 to 2.5	Pass
				10	3.85	-21.300	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-22.345	-0.0095	-2.5 to 2.5	Pass
				40	3.85	-35.820	-0.0152	-2.5 to 2.5	Pass
				50	3.85	-55.761	-0.0237	-2.5 to 2.5	Pass
	2355	25	0	20	3.27	-10.886	-0.0046	-2.5 to 2.5	Pass
					3.85	0.615	0.0003	-2.5 to 2.5	Pass
					4.43	-1.073	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-7.453	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-17.252	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-27.380	-0.0116	-2.5 to 2.5	Pass
				0	3.85	-45.319	-0.0192	-2.5 to 2.5	Pass
				10	3.85	-48.451	-0.0206	-2.5 to 2.5	Pass
				30	3.85	-13.833	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-33.374	-0.0142	-2.5 to 2.5	Pass
				50	3.85	-42.357	-0.0180	-2.5 to 2.5	Pass
	2357.5	25	0	20	3.27	-20.342	-0.0086	-2.5 to 2.5	Pass
					3.85	-13.976	-0.0059	-2.5 to 2.5	Pass
					4.43	-14.234	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-9.313	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-21.214	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-36.707	-0.0156	-2.5 to 2.5	Pass

				0	3.85	-47.007	-0.0199	-2.5 to 2.5	Pass
				10	3.85	-6.108	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-19.155	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-27.237	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-48.280	-0.0205	-2.5 to 2.5	Pass
16QAM	2352.5	25	0	20	3.27	-1.273	-0.0005	-2.5 to 2.5	Pass
					3.85	12.918	0.0055	-2.5 to 2.5	Pass
					4.43	10.371	0.0044	-2.5 to 2.5	Pass
				-30	3.85	11.029	0.0047	-2.5 to 2.5	Pass
				-20	3.85	18.096	0.0077	-2.5 to 2.5	Pass
				-10	3.85	3.791	0.0016	-2.5 to 2.5	Pass
				0	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	5.364	0.0023	-2.5 to 2.5	Pass
				30	3.85	-10.486	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-4.678	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-18.382	-0.0078	-2.5 to 2.5	Pass
	2355	25	0	20	3.27	-4.020	-0.0017	-2.5 to 2.5	Pass
					3.85	3.204	0.0014	-2.5 to 2.5	Pass
					4.43	12.488	0.0053	-2.5 to 2.5	Pass
				-30	3.85	12.074	0.0051	-2.5 to 2.5	Pass
				-20	3.85	5.178	0.0022	-2.5 to 2.5	Pass
				-10	3.85	-0.801	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.817	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-10.386	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-14.977	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-23.046	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-34.246	-0.0145	-2.5 to 2.5	Pass
	2357.5	25	0	20	3.27	-1.001	-0.0004	-2.5 to 2.5	Pass
					3.85	4.005	0.0017	-2.5 to 2.5	Pass
					4.43	7.782	0.0033	-2.5 to 2.5	Pass
				-30	3.85	6.523	0.0028	-2.5 to 2.5	Pass
				-20	3.85	0.930	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-5.164	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-6.351	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-16.279	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-32.401	-0.0137	-2.5 to 2.5	Pass
				40	3.85	-32.372	-0.0137	-2.5 to 2.5	Pass
				50	3.85	-38.624	-0.0164	-2.5 to 2.5	Pass

5.2 B40b_10MHz

5.2.1 Test Result

Band: 40b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2355	50	0	20	3.27	6.523	0.0028	-2.5 to 2.5	Pass
					3.85	13.332	0.0057	-2.5 to 2.5	Pass
					4.43	3.190	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-4.621	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-33.002	-0.0140	-2.5 to 2.5	Pass
				-10	3.85	-52.757	-0.0224	-2.5 to 2.5	Pass
				0	3.85	-11.916	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-30.212	-0.0128	-2.5 to 2.5	Pass
				30	3.85	-41.900	-0.0178	-2.5 to 2.5	Pass

				40	3.85	-5.736	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-21.629	-0.0092	-2.5 to 2.5	Pass
16QAM	2355	50	0	20	3.27	22.645	0.0096	-2.5 to 2.5	Pass
					3.85	32.887	0.0140	-2.5 to 2.5	Pass
					4.43	37.565	0.0160	-2.5 to 2.5	Pass
				-30	3.85	28.367	0.0120	-2.5 to 2.5	Pass
				-20	3.85	21.443	0.0091	-2.5 to 2.5	Pass
				-10	3.85	6.123	0.0026	-2.5 to 2.5	Pass
				0	3.85	2.432	0.0010	-2.5 to 2.5	Pass
				10	3.85	-11.516	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-14.405	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-28.839	-0.0122	-2.5 to 2.5	Pass
				50	3.85	-31.915	-0.0136	-2.5 to 2.5	Pass

6. Frequency Stability

6.1 B41_5MHz

6.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.27	-20.757	-0.0083	-2.5 to 2.5	Pass
					3.85	-0.916	-0.0004	-2.5 to 2.5	Pass
					4.43	7.954	0.0032	-2.5 to 2.5	Pass
				-30	3.85	9.084	0.0036	-2.5 to 2.5	Pass
				-20	3.85	6.208	0.0025	-2.5 to 2.5	Pass
				-10	3.85	3.533	0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-9.398	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-14.892	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-19.956	-0.0080	-2.5 to 2.5	Pass
				50	3.85	-26.450	-0.0106	-2.5 to 2.5	Pass
	2593	25	0	20	3.27	-37.479	-0.0145	-2.5 to 2.5	Pass
					3.85	-35.276	-0.0136	-2.5 to 2.5	Pass
					4.43	-30.971	-0.0119	-2.5 to 2.5	Pass
				-30	3.85	-17.095	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-23.174	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-11.773	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-19.026	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-15.965	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-6.108	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-5.665	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-5.665	-0.0022	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.27	-6.309	-0.0023	-2.5 to 2.5	Pass
					3.85	0.744	0.0003	-2.5 to 2.5	Pass
					4.43	10.414	0.0039	-2.5 to 2.5	Pass
				-30	3.85	5.450	0.0020	-2.5 to 2.5	Pass
				-20	3.85	3.076	0.0011	-2.5 to 2.5	Pass
				-10	3.85	4.048	0.0015	-2.5 to 2.5	Pass
				0	3.85	-1.044	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-6.108	-0.0023	-2.5 to 2.5	Pass

				40	3.85	-9.899	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-14.019	-0.0052	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.27	-26.121	-0.0105	-2.5 to 2.5	Pass
					3.85	-30.885	-0.0124	-2.5 to 2.5	Pass
					4.43	-30.656	-0.0123	-2.5 to 2.5	Pass
				-30	3.85	-29.454	-0.0118	-2.5 to 2.5	Pass
				-20	3.85	-31.114	-0.0125	-2.5 to 2.5	Pass
				-10	3.85	-29.569	-0.0118	-2.5 to 2.5	Pass
				0	3.85	-33.088	-0.0132	-2.5 to 2.5	Pass
				10	3.85	-29.440	-0.0118	-2.5 to 2.5	Pass
				30	3.85	-30.613	-0.0123	-2.5 to 2.5	Pass
				40	3.85	-26.078	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-26.636	-0.0107	-2.5 to 2.5	Pass
	2593	25	0	20	3.27	-4.649	-0.0018	-2.5 to 2.5	Pass
					3.85	5.550	0.0021	-2.5 to 2.5	Pass
					4.43	-2.332	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	11.358	0.0044	-2.5 to 2.5	Pass
				-20	3.85	18.110	0.0070	-2.5 to 2.5	Pass
				-10	3.85	16.551	0.0064	-2.5 to 2.5	Pass
				0	3.85	28.639	0.0110	-2.5 to 2.5	Pass
				10	3.85	33.345	0.0129	-2.5 to 2.5	Pass
				30	3.85	36.378	0.0140	-2.5 to 2.5	Pass
				40	3.85	42.858	0.0165	-2.5 to 2.5	Pass
				50	3.85	35.505	0.0137	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.27	-12.302	-0.0046	-2.5 to 2.5	Pass
					3.85	-13.046	-0.0049	-2.5 to 2.5	Pass
					4.43	-15.407	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-14.048	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-13.933	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-15.135	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-10.300	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-6.151	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.973	-0.0004	-2.5 to 2.5	Pass
				50	3.85	5.908	0.0022	-2.5 to 2.5	Pass

6.2 B41_10MHz

6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.27	-19.813	-0.0079	-2.5 to 2.5	Pass
					3.85	-4.606	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.875	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-7.997	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-20.514	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-28.210	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-29.268	-0.0117	-2.5 to 2.5	Pass
				10	3.85	-47.750	-0.0191	-2.5 to 2.5	Pass
				30	3.85	-19.555	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-26.107	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-28.152	-0.0113	-2.5 to 2.5	Pass
	2593	50	0	20	3.27	-45.033	-0.0174	-2.5 to 2.5	Pass

					3.85	-22.001	-0.0085	-2.5 to 2.5	Pass
					4.43	-15.464	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-11.930	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-17.524	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-14.634	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-8.211	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-5.293	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-2.675	-0.0010	-2.5 to 2.5	Pass
				40	3.85	8.869	0.0034	-2.5 to 2.5	Pass
				50	3.85	10.829	0.0042	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-12.317	-0.0046	-2.5 to 2.5	Pass
					3.85	-2.246	-0.0008	-2.5 to 2.5	Pass
					4.43	-3.133	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	7.153	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-21.572	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-11.859	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-20.027	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-47.121	-0.0175	-2.5 to 2.5	Pass
				30	3.85	-27.838	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-3.591	-0.0013	-2.5 to 2.5	Pass
50	3.85	-22.116	-0.0082	-2.5 to 2.5	Pass				
16QAM	2501	50	0	20	3.27	-21.830	-0.0087	-2.5 to 2.5	Pass
					3.85	-35.534	-0.0142	-2.5 to 2.5	Pass
					4.43	-24.776	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-27.065	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-16.208	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-14.648	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-11.058	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-7.467	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-1.574	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-6.638	-0.0027	-2.5 to 2.5	Pass
	50	3.85	1.001	0.0004	-2.5 to 2.5	Pass			
	2593	50	0	20	3.27	14.148	0.0055	-2.5 to 2.5	Pass
					3.85	16.494	0.0064	-2.5 to 2.5	Pass
					4.43	29.726	0.0115	-2.5 to 2.5	Pass
				-30	3.85	35.334	0.0136	-2.5 to 2.5	Pass
				-20	3.85	48.981	0.0189	-2.5 to 2.5	Pass
				-10	3.85	7.195	0.0028	-2.5 to 2.5	Pass
				0	3.85	12.774	0.0049	-2.5 to 2.5	Pass
				10	3.85	20.871	0.0080	-2.5 to 2.5	Pass
				30	3.85	39.840	0.0154	-2.5 to 2.5	Pass
				40	3.85	37.551	0.0145	-2.5 to 2.5	Pass
	50	3.85	42.944	0.0166	-2.5 to 2.5	Pass			
	2685	50	0	20	3.27	-9.427	-0.0035	-2.5 to 2.5	Pass
					3.85	-12.116	-0.0045	-2.5 to 2.5	Pass
					4.43	-12.145	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-7.939	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-5.322	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-17.223	-0.0064	-2.5 to 2.5	Pass
				0	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				10	3.85	-10.314	-0.0038	-2.5 to 2.5	Pass
30				3.85	-4.492	-0.0017	-2.5 to 2.5	Pass	
40				3.85	-3.748	-0.0014	-2.5 to 2.5	Pass	
50	3.85	-2.260	-0.0008	-2.5 to 2.5	Pass				

6.3 B41_15MHz

6.3.1 Test Result

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	3.27	0.200	0.0001	-2.5 to 2.5	Pass
					3.85	24.590	0.0098	-2.5 to 2.5	Pass
					4.43	25.506	0.0102	-2.5 to 2.5	Pass
				-30	3.85	16.880	0.0067	-2.5 to 2.5	Pass
				-20	3.85	4.535	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-14.377	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-25.835	-0.0103	-2.5 to 2.5	Pass
				10	3.85	-43.859	-0.0175	-2.5 to 2.5	Pass
				30	3.85	-13.504	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-12.088	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-22.473	-0.0090	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-32.473	-0.0125	-2.5 to 2.5	Pass
					3.85	-7.339	-0.0028	-2.5 to 2.5	Pass
					4.43	2.861	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.386	0.0001	-2.5 to 2.5	Pass
				-20	3.85	4.721	0.0018	-2.5 to 2.5	Pass
				-10	3.85	9.670	0.0037	-2.5 to 2.5	Pass
				0	3.85	13.475	0.0052	-2.5 to 2.5	Pass
				10	3.85	18.110	0.0070	-2.5 to 2.5	Pass
				30	3.85	22.244	0.0086	-2.5 to 2.5	Pass
				40	3.85	29.683	0.0114	-2.5 to 2.5	Pass
				50	3.85	32.401	0.0125	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	-35.934	-0.0134	-2.5 to 2.5	Pass
					3.85	-26.536	-0.0099	-2.5 to 2.5	Pass
					4.43	-31.185	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-38.123	-0.0142	-2.5 to 2.5	Pass
				-20	3.85	-47.021	-0.0175	-2.5 to 2.5	Pass
				-10	3.85	-44.017	-0.0164	-2.5 to 2.5	Pass
				0	3.85	-13.490	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-20.843	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-26.178	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-33.460	-0.0125	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.27	-27.022	-0.0108	-2.5 to 2.5	Pass
					3.85	-26.908	-0.0107	-2.5 to 2.5	Pass
					4.43	-26.894	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-27.981	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-20.013	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-24.490	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-18.382	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-18.954	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-15.364	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-11.973	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-11.301	-0.0045	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	44.103	0.0170	-2.5 to 2.5	Pass
					3.85	13.676	0.0053	-2.5 to 2.5	Pass
					4.43	-6.766	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	20.485	0.0079	-2.5 to 2.5	Pass

				-10	3.85	19.884	0.0077	-2.5 to 2.5	Pass
				0	3.85	27.809	0.0107	-2.5 to 2.5	Pass
				10	3.85	35.877	0.0138	-2.5 to 2.5	Pass
				30	3.85	41.986	0.0162	-2.5 to 2.5	Pass
				40	3.85	19.240	0.0074	-2.5 to 2.5	Pass
				50	3.85	15.965	0.0062	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.27	-22.416	-0.0084	-2.5 to 2.5	Pass
					3.85	-33.188	-0.0124	-2.5 to 2.5	Pass
					4.43	-34.246	-0.0128	-2.5 to 2.5	Pass
				-30	3.85	-28.424	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-13.361	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-8.125	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-18.611	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-13.418	-0.0050	-2.5 to 2.5	Pass
				30	3.85	2.775	0.0010	-2.5 to 2.5	Pass
				40	3.85	-7.296	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-3.748	-0.0014	-2.5 to 2.5	Pass

6.4 B41_20MHz

6.4.1 Test Result

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.27	-15.078	-0.0060	-2.5 to 2.5	Pass
					3.85	14.362	0.0057	-2.5 to 2.5	Pass
					4.43	-0.043	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-24.347	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-31.514	-0.0126	-2.5 to 2.5	Pass
				-10	3.85	-7.153	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-27.022	-0.0108	-2.5 to 2.5	Pass
				10	3.85	-37.923	-0.0151	-2.5 to 2.5	Pass
				30	3.85	-24.848	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-13.576	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-22.445	-0.0090	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	-28.811	-0.0111	-2.5 to 2.5	Pass
					3.85	-20.971	-0.0081	-2.5 to 2.5	Pass
					4.43	-11.272	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-3.161	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	8.240	0.0032	-2.5 to 2.5	Pass
				-10	3.85	25.163	0.0097	-2.5 to 2.5	Pass
				0	3.85	31.028	0.0120	-2.5 to 2.5	Pass
				10	3.85	27.494	0.0106	-2.5 to 2.5	Pass
				30	3.85	44.031	0.0170	-2.5 to 2.5	Pass
				40	3.85	39.854	0.0154	-2.5 to 2.5	Pass
				50	3.85	41.599	0.0160	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-37.179	-0.0139	-2.5 to 2.5	Pass
					3.85	-29.168	-0.0109	-2.5 to 2.5	Pass
					4.43	-35.949	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	13.003	0.0049	-2.5 to 2.5	Pass
				-20	3.85	0.815	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-13.418	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-24.061	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-35.462	-0.0132	-2.5 to 2.5	Pass

				30	3.85	-37.193	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-40.913	-0.0153	-2.5 to 2.5	Pass
				50	3.85	-21.200	-0.0079	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.27	-24.033	-0.0096	-2.5 to 2.5	Pass
					3.85	-25.549	-0.0102	-2.5 to 2.5	Pass
					4.43	-21.114	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-18.740	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-16.479	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-10.643	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-11.959	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-9.928	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-6.852	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-5.507	-0.0022	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	0.043	0.0000	-2.5 to 2.5	Pass
					3.85	-1.788	-0.0007	-2.5 to 2.5	Pass
					4.43	10.800	0.0042	-2.5 to 2.5	Pass
				-30	3.85	23.317	0.0090	-2.5 to 2.5	Pass
				-20	3.85	31.843	0.0123	-2.5 to 2.5	Pass
				-10	3.85	51.255	0.0198	-2.5 to 2.5	Pass
				0	3.85	7.010	0.0027	-2.5 to 2.5	Pass
				10	3.85	21.529	0.0083	-2.5 to 2.5	Pass
				30	3.85	20.227	0.0078	-2.5 to 2.5	Pass
				40	3.85	24.161	0.0093	-2.5 to 2.5	Pass
				50	3.85	33.360	0.0129	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-16.336	-0.0061	-2.5 to 2.5	Pass
					3.85	-12.789	-0.0048	-2.5 to 2.5	Pass
					4.43	-7.739	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-1.202	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	5.636	0.0021	-2.5 to 2.5	Pass
				-10	3.85	9.542	0.0036	-2.5 to 2.5	Pass
				0	3.85	20.270	0.0076	-2.5 to 2.5	Pass
				10	3.85	22.044	0.0082	-2.5 to 2.5	Pass
				30	3.85	26.622	0.0099	-2.5 to 2.5	Pass
				40	3.85	29.182	0.0109	-2.5 to 2.5	Pass
				50	3.85	35.691	0.0133	-2.5 to 2.5	Pass

7. Frequency Stability

7.1 B5_1.4MHz

7.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	-7.768	-0.0094	-2.5 to 2.5	Pass
					3.85	-28.539	-0.0346	-2.5 to 2.5	Pass
					4.43	-6.094	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-34.232	-0.0415	-2.5 to 2.5	Pass
				-20	3.85	-19.326	-0.0234	-2.5 to 2.5	Pass
				-10	3.85	0.916	0.0011	-2.5 to 2.5	Pass
				0	3.85	-26.350	-0.0320	-2.5 to 2.5	Pass
				10	3.85	-5.021	-0.0061	-2.5 to 2.5	Pass

	836.5	6	0	30	3.85	-29.140	-0.0353	-2.5 to 2.5	Pass
				40	3.85	-49.939	-0.0606	-2.5 to 2.5	Pass
				50	3.85	-18.926	-0.0229	-2.5 to 2.5	Pass
				20	3.27	-0.801	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.602	-0.0019	-2.5 to 2.5	Pass
					4.43	-5.393	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-11.845	-0.0142	-2.5 to 2.5	Pass
				-20	3.85	-17.552	-0.0210	-2.5 to 2.5	Pass
				-10	3.85	-23.489	-0.0281	-2.5 to 2.5	Pass
	848.3	6	0	0	3.85	-28.381	-0.0339	-2.5 to 2.5	Pass
				10	3.85	-34.246	-0.0409	-2.5 to 2.5	Pass
				30	3.85	-39.654	-0.0474	-2.5 to 2.5	Pass
				40	3.85	-44.189	-0.0528	-2.5 to 2.5	Pass
				50	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				20	3.27	-16.665	-0.0196	-2.5 to 2.5	Pass
					3.85	-46.091	-0.0543	-2.5 to 2.5	Pass
					4.43	-27.938	-0.0329	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-3.791	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-46.163	-0.0544	-2.5 to 2.5	Pass
				0	3.85	-31.199	-0.0368	-2.5 to 2.5	Pass
				10	3.85	-16.522	-0.0195	-2.5 to 2.5	Pass
				30	3.85	-42.830	-0.0505	-2.5 to 2.5	Pass
				40	3.85	-17.552	-0.0207	-2.5 to 2.5	Pass
				50	3.85	-37.951	-0.0447	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-40.612	-0.0492	-2.5 to 2.5	Pass
					3.85	-5.422	-0.0066	-2.5 to 2.5	Pass
					4.43	-21.729	-0.0263	-2.5 to 2.5	Pass
				-30	3.85	-33.488	-0.0406	-2.5 to 2.5	Pass
				-20	3.85	-45.304	-0.0549	-2.5 to 2.5	Pass
				-10	3.85	-5.550	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-15.507	-0.0188	-2.5 to 2.5	Pass
				10	3.85	-24.447	-0.0296	-2.5 to 2.5	Pass
				30	3.85	-32.830	-0.0398	-2.5 to 2.5	Pass
				40	3.85	-40.627	-0.0493	-2.5 to 2.5	Pass
	836.5	6	0	50	3.85	1.073	0.0013	-2.5 to 2.5	Pass
				20	3.27	-6.180	-0.0074	-2.5 to 2.5	Pass
					3.85	-10.786	-0.0129	-2.5 to 2.5	Pass
					4.43	-14.062	-0.0168	-2.5 to 2.5	Pass
				-30	3.85	-16.279	-0.0195	-2.5 to 2.5	Pass
				-20	3.85	-18.883	-0.0226	-2.5 to 2.5	Pass
				-10	3.85	-20.370	-0.0244	-2.5 to 2.5	Pass
				0	3.85	-23.160	-0.0277	-2.5 to 2.5	Pass
				10	3.85	-26.779	-0.0320	-2.5 to 2.5	Pass
				30	3.85	-28.210	-0.0337	-2.5 to 2.5	Pass
	848.3	6	0	40	3.85	-29.783	-0.0356	-2.5 to 2.5	Pass
				50	3.85	-33.817	-0.0404	-2.5 to 2.5	Pass
				20	3.27	-8.655	-0.0102	-2.5 to 2.5	Pass
					3.85	-18.454	-0.0218	-2.5 to 2.5	Pass
					4.43	-24.934	-0.0294	-2.5 to 2.5	Pass
				-30	3.85	-30.885	-0.0364	-2.5 to 2.5	Pass
				-20	3.85	-37.708	-0.0445	-2.5 to 2.5	Pass
				-10	3.85	-46.234	-0.0545	-2.5 to 2.5	Pass
				0	3.85	-10.014	-0.0118	-2.5 to 2.5	Pass
				10	3.85	-16.408	-0.0193	-2.5 to 2.5	Pass
				30	3.85	-25.063	-0.0295	-2.5 to 2.5	Pass
				40	3.85	-30.541	-0.0360	-2.5 to 2.5	Pass

				50	3.85	-39.568	-0.0466	-2.5 to 2.5	Pass
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7.2 B5_3MHz

7.2.1 Test Result

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	-2.918	-0.0035	-2.5 to 2.5	Pass
					3.85	-24.734	-0.0300	-2.5 to 2.5	Pass
					4.43	-36.049	-0.0437	-2.5 to 2.5	Pass
				-30	3.85	-46.563	-0.0564	-2.5 to 2.5	Pass
				-20	3.85	-35.176	-0.0426	-2.5 to 2.5	Pass
				-10	3.85	-12.989	-0.0157	-2.5 to 2.5	Pass
				0	3.85	-34.332	-0.0416	-2.5 to 2.5	Pass
				10	3.85	-12.574	-0.0152	-2.5 to 2.5	Pass
				30	3.85	-29.497	-0.0357	-2.5 to 2.5	Pass
				40	3.85	-42.028	-0.0509	-2.5 to 2.5	Pass
				50	3.85	-5.407	-0.0065	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	6.680	0.0080	-2.5 to 2.5	Pass
					3.85	11.830	0.0141	-2.5 to 2.5	Pass
					4.43	6.666	0.0080	-2.5 to 2.5	Pass
				-30	3.85	2.217	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-1.860	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-6.981	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-9.713	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-12.531	-0.0150	-2.5 to 2.5	Pass
				30	3.85	-15.450	-0.0185	-2.5 to 2.5	Pass
				40	3.85	-18.625	-0.0223	-2.5 to 2.5	Pass
				50	3.85	-22.917	-0.0274	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	8.225	0.0097	-2.5 to 2.5	Pass
					3.85	-7.811	-0.0092	-2.5 to 2.5	Pass
					4.43	-38.424	-0.0453	-2.5 to 2.5	Pass
				-30	3.85	-20.614	-0.0243	-2.5 to 2.5	Pass
				-20	3.85	-39.868	-0.0470	-2.5 to 2.5	Pass
				-10	3.85	-6.223	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-20.885	-0.0246	-2.5 to 2.5	Pass
				10	3.85	-34.833	-0.0411	-2.5 to 2.5	Pass
				30	3.85	-46.005	-0.0543	-2.5 to 2.5	Pass
				40	3.85	-2.947	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-13.003	-0.0153	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-18.396	-0.0223	-2.5 to 2.5	Pass
					3.85	-19.784	-0.0240	-2.5 to 2.5	Pass
					4.43	-20.142	-0.0244	-2.5 to 2.5	Pass
				-30	3.85	-20.585	-0.0249	-2.5 to 2.5	Pass
				-20	3.85	-23.274	-0.0282	-2.5 to 2.5	Pass
				-10	3.85	-25.392	-0.0308	-2.5 to 2.5	Pass
				0	3.85	-27.566	-0.0334	-2.5 to 2.5	Pass
				10	3.85	-30.427	-0.0369	-2.5 to 2.5	Pass
				30	3.85	-32.473	-0.0393	-2.5 to 2.5	Pass
				40	3.85	-35.348	-0.0428	-2.5 to 2.5	Pass
				50	3.85	-37.866	-0.0459	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-25.277	-0.0302	-2.5 to 2.5	Pass
					3.85	-21.915	-0.0262	-2.5 to 2.5	Pass

					4.43	-16.279	-0.0195	-2.5 to 2.5	Pass
				-30	3.85	-12.259	-0.0147	-2.5 to 2.5	Pass
				-20	3.85	-11.373	-0.0136	-2.5 to 2.5	Pass
				-10	3.85	-8.326	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-6.323	-0.0076	-2.5 to 2.5	Pass
				10	3.85	-6.409	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-6.738	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-6.323	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-6.266	-0.0075	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-23.031	-0.0272	-2.5 to 2.5	Pass
					3.85	-22.974	-0.0271	-2.5 to 2.5	Pass
					4.43	-17.567	-0.0207	-2.5 to 2.5	Pass
				-30	3.85	-15.635	-0.0184	-2.5 to 2.5	Pass
				-20	3.85	-14.362	-0.0169	-2.5 to 2.5	Pass
				-10	3.85	-15.035	-0.0177	-2.5 to 2.5	Pass
				0	3.85	-15.149	-0.0179	-2.5 to 2.5	Pass
				10	3.85	-17.066	-0.0201	-2.5 to 2.5	Pass
				30	3.85	-19.884	-0.0235	-2.5 to 2.5	Pass
				40	3.85	-22.016	-0.0260	-2.5 to 2.5	Pass
				50	3.85	-24.405	-0.0288	-2.5 to 2.5	Pass

7.3 B5_5MHz

7.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	22.259	0.0269	-2.5 to 2.5	Pass
					3.85	33.746	0.0408	-2.5 to 2.5	Pass
					4.43	23.618	0.0286	-2.5 to 2.5	Pass
				-30	3.85	13.189	0.0160	-2.5 to 2.5	Pass
				-20	3.85	5.465	0.0066	-2.5 to 2.5	Pass
				-10	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.994	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-11.630	-0.0141	-2.5 to 2.5	Pass
				30	3.85	-16.236	-0.0196	-2.5 to 2.5	Pass
				40	3.85	-20.156	-0.0244	-2.5 to 2.5	Pass
				50	3.85	-23.932	-0.0290	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	7.725	0.0092	-2.5 to 2.5	Pass
					3.85	14.377	0.0172	-2.5 to 2.5	Pass
					4.43	14.162	0.0169	-2.5 to 2.5	Pass
				-30	3.85	13.275	0.0159	-2.5 to 2.5	Pass
				-20	3.85	12.817	0.0153	-2.5 to 2.5	Pass
				-10	3.85	12.417	0.0148	-2.5 to 2.5	Pass
				0	3.85	10.400	0.0124	-2.5 to 2.5	Pass
				10	3.85	9.713	0.0116	-2.5 to 2.5	Pass
				30	3.85	9.584	0.0115	-2.5 to 2.5	Pass
				40	3.85	7.410	0.0089	-2.5 to 2.5	Pass
				50	3.85	6.080	0.0073	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	12.546	0.0148	-2.5 to 2.5	Pass
					3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
					4.43	-28.124	-0.0332	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-16.837	-0.0199	-2.5 to 2.5	Pass

				-10	3.85	-29.783	-0.0352	-2.5 to 2.5	Pass
				0	3.85	-41.099	-0.0486	-2.5 to 2.5	Pass
				10	3.85	-9.313	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-17.824	-0.0211	-2.5 to 2.5	Pass
				40	3.85	-24.204	-0.0286	-2.5 to 2.5	Pass
				50	3.85	-31.185	-0.0368	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-28.095	-0.0340	-2.5 to 2.5	Pass
					3.85	-24.219	-0.0293	-2.5 to 2.5	Pass
					4.43	-18.697	-0.0226	-2.5 to 2.5	Pass
				-30	3.85	-14.062	-0.0170	-2.5 to 2.5	Pass
				-20	3.85	-10.643	-0.0129	-2.5 to 2.5	Pass
				-10	3.85	-9.727	-0.0118	-2.5 to 2.5	Pass
				0	3.85	-7.768	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-6.423	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-7.367	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-7.181	-0.0087	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	5.708	0.0068	-2.5 to 2.5	Pass
					3.85	11.144	0.0133	-2.5 to 2.5	Pass
					4.43	18.883	0.0226	-2.5 to 2.5	Pass
				-30	3.85	23.732	0.0284	-2.5 to 2.5	Pass
				-20	3.85	29.268	0.0350	-2.5 to 2.5	Pass
				-10	3.85	32.187	0.0385	-2.5 to 2.5	Pass
				0	3.85	35.734	0.0427	-2.5 to 2.5	Pass
				10	3.85	38.581	0.0461	-2.5 to 2.5	Pass
				30	3.85	40.026	0.0478	-2.5 to 2.5	Pass
				40	3.85	41.256	0.0493	-2.5 to 2.5	Pass
				50	3.85	42.300	0.0506	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-37.165	-0.0439	-2.5 to 2.5	Pass
					3.85	-33.588	-0.0397	-2.5 to 2.5	Pass
					4.43	-26.007	-0.0307	-2.5 to 2.5	Pass
				-30	3.85	-22.030	-0.0260	-2.5 to 2.5	Pass
				-20	3.85	-18.826	-0.0222	-2.5 to 2.5	Pass
				-10	3.85	-16.737	-0.0198	-2.5 to 2.5	Pass
				0	3.85	-16.193	-0.0191	-2.5 to 2.5	Pass
				10	3.85	-16.651	-0.0197	-2.5 to 2.5	Pass
				30	3.85	-16.594	-0.0196	-2.5 to 2.5	Pass
				40	3.85	-16.551	-0.0196	-2.5 to 2.5	Pass
				50	3.85	-17.653	-0.0209	-2.5 to 2.5	Pass

7.4 B5_10MHz

7.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	27.580	0.0333	-2.5 to 2.5	Pass
					3.85	33.159	0.0400	-2.5 to 2.5	Pass
					4.43	20.070	0.0242	-2.5 to 2.5	Pass
				-30	3.85	9.885	0.0119	-2.5 to 2.5	Pass
				-20	3.85	3.133	0.0038	-2.5 to 2.5	Pass
				-10	3.85	-2.561	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-7.482	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-11.930	-0.0144	-2.5 to 2.5	Pass

				30	3.85	-15.249	-0.0184	-2.5 to 2.5	Pass
				40	3.85	-17.881	-0.0216	-2.5 to 2.5	Pass
				50	3.85	-20.084	-0.0242	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	6.251	0.0075	-2.5 to 2.5	Pass
					3.85	11.044	0.0132	-2.5 to 2.5	Pass
					4.43	6.866	0.0082	-2.5 to 2.5	Pass
				-30	3.85	5.808	0.0069	-2.5 to 2.5	Pass
				-20	3.85	4.134	0.0049	-2.5 to 2.5	Pass
				-10	3.85	3.719	0.0044	-2.5 to 2.5	Pass
				0	3.85	2.933	0.0035	-2.5 to 2.5	Pass
				10	3.85	2.346	0.0028	-2.5 to 2.5	Pass
				30	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.558	0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
	844	50	0	20	3.27	10.786	0.0128	-2.5 to 2.5	Pass
					3.85	-5.207	-0.0062	-2.5 to 2.5	Pass
					4.43	-28.925	-0.0343	-2.5 to 2.5	Pass
				-30	3.85	-25.692	-0.0304	-2.5 to 2.5	Pass
				-20	3.85	-17.595	-0.0208	-2.5 to 2.5	Pass
				-10	3.85	-28.296	-0.0335	-2.5 to 2.5	Pass
				0	3.85	-36.879	-0.0437	-2.5 to 2.5	Pass
				10	3.85	-43.659	-0.0517	-2.5 to 2.5	Pass
				30	3.85	-4.120	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-8.726	-0.0103	-2.5 to 2.5	Pass
				50	3.85	-14.720	-0.0174	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-23.117	-0.0279	-2.5 to 2.5	Pass
					3.85	-16.952	-0.0204	-2.5 to 2.5	Pass
					4.43	-9.513	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-5.450	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.744	0.0009	-2.5 to 2.5	Pass
				0	3.85	3.004	0.0036	-2.5 to 2.5	Pass
				10	3.85	3.762	0.0045	-2.5 to 2.5	Pass
				30	3.85	6.824	0.0082	-2.5 to 2.5	Pass
				40	3.85	6.537	0.0079	-2.5 to 2.5	Pass
				50	3.85	6.623	0.0080	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.873	-0.0010	-2.5 to 2.5	Pass
					3.85	6.208	0.0074	-2.5 to 2.5	Pass
					4.43	15.206	0.0182	-2.5 to 2.5	Pass
				-30	3.85	19.684	0.0235	-2.5 to 2.5	Pass
				-20	3.85	24.390	0.0292	-2.5 to 2.5	Pass
				-10	3.85	28.710	0.0343	-2.5 to 2.5	Pass
				0	3.85	31.672	0.0379	-2.5 to 2.5	Pass
				10	3.85	33.331	0.0398	-2.5 to 2.5	Pass
				30	3.85	36.693	0.0439	-2.5 to 2.5	Pass
				40	3.85	36.621	0.0438	-2.5 to 2.5	Pass
				50	3.85	39.167	0.0468	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-21.558	-0.0255	-2.5 to 2.5	Pass
					3.85	-15.936	-0.0189	-2.5 to 2.5	Pass
					4.43	-9.198	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-6.323	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-3.276	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-1.502	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-1.717	-0.0020	-2.5 to 2.5	Pass
				40	3.85	0.558	0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass

8. Frequency Stability

8.1 B7_5MHz

8.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	46.163	0.0184	-2.5 to 2.5	Pass
					3.85	26.279	0.0105	-2.5 to 2.5	Pass
					4.43	33.259	0.0133	-2.5 to 2.5	Pass
				-30	3.85	29.068	0.0116	-2.5 to 2.5	Pass
				-20	3.85	16.980	0.0068	-2.5 to 2.5	Pass
				-10	3.85	2.475	0.0010	-2.5 to 2.5	Pass
				0	3.85	-15.135	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-26.894	-0.0107	-2.5 to 2.5	Pass
				30	3.85	2.418	0.0010	-2.5 to 2.5	Pass
				40	3.85	-10.629	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-25.477	-0.0102	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	7.997	0.0032	-2.5 to 2.5	Pass
					3.85	17.166	0.0068	-2.5 to 2.5	Pass
					4.43	25.306	0.0100	-2.5 to 2.5	Pass
				-30	3.85	29.740	0.0117	-2.5 to 2.5	Pass
				-20	3.85	34.976	0.0138	-2.5 to 2.5	Pass
				-10	3.85	40.555	0.0160	-2.5 to 2.5	Pass
				0	3.85	42.930	0.0169	-2.5 to 2.5	Pass
				10	3.85	46.120	0.0182	-2.5 to 2.5	Pass
				30	3.85	47.622	0.0188	-2.5 to 2.5	Pass
				40	3.85	47.679	0.0188	-2.5 to 2.5	Pass
				50	3.85	14.048	0.0055	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	25.005	0.0097	-2.5 to 2.5	Pass
					3.85	27.366	0.0107	-2.5 to 2.5	Pass
					4.43	20.027	0.0078	-2.5 to 2.5	Pass
				-30	3.85	7.010	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-9.098	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-24.505	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-43.702	-0.0170	-2.5 to 2.5	Pass
				10	3.85	7.167	0.0028	-2.5 to 2.5	Pass
				30	3.85	-10.915	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-30.985	-0.0121	-2.5 to 2.5	Pass
				50	3.85	13.032	0.0051	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	-39.482	-0.0158	-2.5 to 2.5	Pass
					3.85	-25.206	-0.0101	-2.5 to 2.5	Pass
					4.43	-26.436	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-34.261	-0.0137	-2.5 to 2.5	Pass
				-20	3.85	-39.654	-0.0158	-2.5 to 2.5	Pass
				-10	3.85	-44.703	-0.0179	-2.5 to 2.5	Pass
				0	3.85	14.219	0.0057	-2.5 to 2.5	Pass
				10	3.85	10.099	0.0040	-2.5 to 2.5	Pass
				30	3.85	8.740	0.0035	-2.5 to 2.5	Pass
				40	3.85	3.333	0.0013	-2.5 to 2.5	Pass
				50	3.85	0.372	0.0001	-2.5 to 2.5	Pass

	2535	25	0	20	3.27	15.507	0.0061	-2.5 to 2.5	Pass
					3.85	17.252	0.0068	-2.5 to 2.5	Pass
					4.43	21.214	0.0084	-2.5 to 2.5	Pass
				-30	3.85	28.381	0.0112	-2.5 to 2.5	Pass
				-20	3.85	37.351	0.0147	-2.5 to 2.5	Pass
				-10	3.85	42.100	0.0166	-2.5 to 2.5	Pass
				0	3.85	-10.571	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-8.912	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-6.766	-0.0027	-2.5 to 2.5	Pass
	2567.5	25	0	40	3.85	-2.046	-0.0008	-2.5 to 2.5	Pass
				50	3.85	6.452	0.0025	-2.5 to 2.5	Pass
				20	3.27	-8.597	-0.0033	-2.5 to 2.5	Pass
					3.85	-21.758	-0.0085	-2.5 to 2.5	Pass
					4.43	-34.833	-0.0136	-2.5 to 2.5	Pass
				-30	3.85	-29.984	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-13.719	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-20.628	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-27.452	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-33.674	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-11.144	-0.0043	-2.5 to 2.5	Pass
				40	3.85	1.345	0.0005	-2.5 to 2.5	Pass
				50	3.85	-4.907	-0.0019	-2.5 to 2.5	Pass

8.2 B7_10MHz

8.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.27	32.973	0.0132	-2.5 to 2.5	Pass
					3.85	34.933	0.0139	-2.5 to 2.5	Pass
					4.43	30.141	0.0120	-2.5 to 2.5	Pass
				-30	3.85	14.920	0.0060	-2.5 to 2.5	Pass
				-20	3.85	-4.478	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-22.545	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-42.129	-0.0168	-2.5 to 2.5	Pass
				10	3.85	-21.973	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-41.285	-0.0165	-2.5 to 2.5	Pass
	2535	50	0	40	3.85	8.497	0.0034	-2.5 to 2.5	Pass
				50	3.85	-6.695	-0.0027	-2.5 to 2.5	Pass
				20	3.27	8.712	0.0034	-2.5 to 2.5	Pass
					3.85	23.904	0.0094	-2.5 to 2.5	Pass
					4.43	37.136	0.0146	-2.5 to 2.5	Pass
				-30	3.85	-3.104	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.774	0.0007	-2.5 to 2.5	Pass
				-10	3.85	10.371	0.0041	-2.5 to 2.5	Pass
				0	3.85	15.221	0.0060	-2.5 to 2.5	Pass
				10	3.85	21.915	0.0086	-2.5 to 2.5	Pass
				30	3.85	23.961	0.0095	-2.5 to 2.5	Pass
				40	3.85	30.413	0.0120	-2.5 to 2.5	Pass
				50	3.85	30.785	0.0121	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	25.020	0.0098	-2.5 to 2.5	Pass
					3.85	36.192	0.0141	-2.5 to 2.5	Pass
					4.43	18.411	0.0072	-2.5 to 2.5	Pass

16QAM				-30	3.85	-5.007	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-30.155	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-7.253	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-28.882	-0.0113	-2.5 to 2.5	Pass
				10	3.85	-22.445	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-34.175	-0.0133	-2.5 to 2.5	Pass
				40	3.85	9.112	0.0036	-2.5 to 2.5	Pass
				50	3.85	-5.364	-0.0021	-2.5 to 2.5	Pass
	2505	50	0	20	3.27	-20.399	-0.0081	-2.5 to 2.5	Pass
					3.85	-27.709	-0.0111	-2.5 to 2.5	Pass
					4.43	-32.988	-0.0132	-2.5 to 2.5	Pass
				-30	3.85	-33.460	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	-31.486	-0.0126	-2.5 to 2.5	Pass
				-10	3.85	-33.031	-0.0132	-2.5 to 2.5	Pass
				0	3.85	-36.621	-0.0146	-2.5 to 2.5	Pass
				10	3.85	-36.564	-0.0146	-2.5 to 2.5	Pass
				30	3.85	-36.106	-0.0144	-2.5 to 2.5	Pass
				40	3.85	-37.966	-0.0152	-2.5 to 2.5	Pass
				50	3.85	-40.755	-0.0163	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	33.131	0.0131	-2.5 to 2.5	Pass
					3.85	39.983	0.0158	-2.5 to 2.5	Pass
					4.43	46.163	0.0182	-2.5 to 2.5	Pass
				-30	3.85	17.853	0.0070	-2.5 to 2.5	Pass
				-20	3.85	27.409	0.0108	-2.5 to 2.5	Pass
				-10	3.85	35.863	0.0141	-2.5 to 2.5	Pass
				0	3.85	40.298	0.0159	-2.5 to 2.5	Pass
				10	3.85	15.864	0.0063	-2.5 to 2.5	Pass
				30	3.85	-8.483	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.059	-0.0004	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-24.576	-0.0096	-2.5 to 2.5	Pass
					3.85	-32.458	-0.0127	-2.5 to 2.5	Pass
					4.43	-37.651	-0.0147	-2.5 to 2.5	Pass
				-30	3.85	-32.902	-0.0128	-2.5 to 2.5	Pass
				-20	3.85	-4.921	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-6.294	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-5.178	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-5.822	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-8.855	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-13.032	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-14.548	-0.0057	-2.5 to 2.5	Pass

8.3 B7_15MHz

8.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.27	18.210	0.0073	-2.5 to 2.5	Pass
					3.85	19.856	0.0079	-2.5 to 2.5	Pass
					4.43	15.149	0.0060	-2.5 to 2.5	Pass
				-30	3.85	3.905	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-10.672	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-22.416	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-35.191	-0.0140	-2.5 to 2.5	Pass
				10	3.85	14.977	0.0060	-2.5 to 2.5	Pass
				30	3.85	3.519	0.0014	-2.5 to 2.5	Pass
				40	3.85	-5.164	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-9.999	-0.0040	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	16.093	0.0063	-2.5 to 2.5	Pass
					3.85	34.432	0.0136	-2.5 to 2.5	Pass
					4.43	43.373	0.0171	-2.5 to 2.5	Pass
				-30	3.85	19.169	0.0076	-2.5 to 2.5	Pass
				-20	3.85	25.048	0.0099	-2.5 to 2.5	Pass
				-10	3.85	31.300	0.0123	-2.5 to 2.5	Pass
				0	3.85	34.504	0.0136	-2.5 to 2.5	Pass
				10	3.85	40.097	0.0158	-2.5 to 2.5	Pass
				30	3.85	42.930	0.0169	-2.5 to 2.5	Pass
				40	3.85	46.806	0.0185	-2.5 to 2.5	Pass
				50	3.85	49.181	0.0194	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	29.869	0.0117	-2.5 to 2.5	Pass
					3.85	33.145	0.0129	-2.5 to 2.5	Pass
					4.43	22.130	0.0086	-2.5 to 2.5	Pass
				-30	3.85	5.250	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-10.014	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-29.483	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-32.415	-0.0126	-2.5 to 2.5	Pass
				10	3.85	-22.573	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-33.474	-0.0131	-2.5 to 2.5	Pass
				40	3.85	-14.892	-0.0058	-2.5 to 2.5	Pass
				50	3.85	6.552	0.0026	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-19.426	-0.0077	-2.5 to 2.5	Pass
					3.85	-21.758	-0.0087	-2.5 to 2.5	Pass
					4.43	-22.159	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-18.883	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-17.123	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-14.477	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-11.058	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-9.885	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-6.809	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-6.337	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-4.478	-0.0018	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-5.579	-0.0022	-2.5 to 2.5	Pass
					3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
					4.43	7.267	0.0029	-2.5 to 2.5	Pass

				-30	3.85	18.840	0.0074	-2.5 to 2.5	Pass
				-20	3.85	28.911	0.0114	-2.5 to 2.5	Pass
				-10	3.85	19.784	0.0078	-2.5 to 2.5	Pass
				0	3.85	8.197	0.0032	-2.5 to 2.5	Pass
				10	3.85	17.838	0.0070	-2.5 to 2.5	Pass
				30	3.85	23.203	0.0092	-2.5 to 2.5	Pass
				40	3.85	32.344	0.0128	-2.5 to 2.5	Pass
				50	3.85	36.163	0.0143	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-3.090	-0.0012	-2.5 to 2.5	Pass
					3.85	-9.327	-0.0036	-2.5 to 2.5	Pass
					4.43	-9.885	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-7.954	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.644	-0.0003	-2.5 to 2.5	Pass
				10	3.85	3.276	0.0013	-2.5 to 2.5	Pass
				30	3.85	4.392	0.0017	-2.5 to 2.5	Pass
				40	3.85	4.034	0.0016	-2.5 to 2.5	Pass
				50	3.85	8.197	0.0032	-2.5 to 2.5	Pass

8.4 B7_20MHz

8.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.27	6.509	0.0026	-2.5 to 2.5	Pass
					3.85	23.546	0.0094	-2.5 to 2.5	Pass
					4.43	7.739	0.0031	-2.5 to 2.5	Pass
				-30	3.85	-17.738	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-40.383	-0.0161	-2.5 to 2.5	Pass
				-10	3.85	-8.998	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-25.749	-0.0103	-2.5 to 2.5	Pass
				10	3.85	-40.426	-0.0161	-2.5 to 2.5	Pass
				30	3.85	-29.869	-0.0119	-2.5 to 2.5	Pass
				40	3.85	-26.078	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-36.721	-0.0146	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	32.701	0.0129	-2.5 to 2.5	Pass
					3.85	-15.163	-0.0060	-2.5 to 2.5	Pass
					4.43	-5.493	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	1.216	0.0005	-2.5 to 2.5	Pass
				-20	3.85	3.548	0.0014	-2.5 to 2.5	Pass
				-10	3.85	6.237	0.0025	-2.5 to 2.5	Pass
				0	3.85	7.954	0.0031	-2.5 to 2.5	Pass
				10	3.85	9.813	0.0039	-2.5 to 2.5	Pass
				30	3.85	14.834	0.0059	-2.5 to 2.5	Pass
				40	3.85	15.864	0.0063	-2.5 to 2.5	Pass
				50	3.85	17.238	0.0068	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	36.120	0.0141	-2.5 to 2.5	Pass
					3.85	37.894	0.0148	-2.5 to 2.5	Pass
					4.43	18.325	0.0072	-2.5 to 2.5	Pass
				-30	3.85	-6.208	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-30.627	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-14.734	-0.0058	-2.5 to 2.5	Pass

16QAM				0	3.85	-30.227	-0.0118	-2.5 to 2.5	Pass
				10	3.85	4.063	0.0016	-2.5 to 2.5	Pass
				30	3.85	2.875	0.0011	-2.5 to 2.5	Pass
				40	3.85	-7.467	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-15.106	-0.0059	-2.5 to 2.5	Pass
	2510	100	0	20	3.27	-47.765	-0.0190	-2.5 to 2.5	Pass
					3.85	8.726	0.0035	-2.5 to 2.5	Pass
					4.43	14.248	0.0057	-2.5 to 2.5	Pass
				-30	3.85	19.884	0.0079	-2.5 to 2.5	Pass
				-20	3.85	24.061	0.0096	-2.5 to 2.5	Pass
				-10	3.85	28.853	0.0115	-2.5 to 2.5	Pass
				0	3.85	30.727	0.0122	-2.5 to 2.5	Pass
				10	3.85	34.432	0.0137	-2.5 to 2.5	Pass
				30	3.85	37.322	0.0149	-2.5 to 2.5	Pass
				40	3.85	38.023	0.0151	-2.5 to 2.5	Pass
				50	3.85	40.541	0.0162	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	21.658	0.0085	-2.5 to 2.5	Pass
					3.85	30.398	0.0120	-2.5 to 2.5	Pass
					4.43	27.623	0.0109	-2.5 to 2.5	Pass
				-30	3.85	13.790	0.0054	-2.5 to 2.5	Pass
				-20	3.85	21.987	0.0087	-2.5 to 2.5	Pass
				-10	3.85	32.730	0.0129	-2.5 to 2.5	Pass
				0	3.85	11.916	0.0047	-2.5 to 2.5	Pass
				10	3.85	-2.747	-0.0011	-2.5 to 2.5	Pass
				30	3.85	4.535	0.0018	-2.5 to 2.5	Pass
				40	3.85	7.882	0.0031	-2.5 to 2.5	Pass
				50	3.85	15.507	0.0061	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-26.107	-0.0102	-2.5 to 2.5	Pass
					3.85	-25.477	-0.0100	-2.5 to 2.5	Pass
					4.43	-20.971	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-13.747	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-9.513	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-6.323	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.106	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.817	-0.0007	-2.5 to 2.5	Pass
				40	3.85	1.101	0.0004	-2.5 to 2.5	Pass
				50	3.85	3.004	0.0012	-2.5 to 2.5	Pass