1. Frequency Stability

1.1 B2_1.4MHz

1.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.3	-1.559	-0.0008	-2.5 to 2.5	Pass
					3.6	-35.677	-0.0193	-2.5 to 2.5	Pass
					4.2	-39.940	-0.0216	-2.5 to 2.5	Pass
				-30	3.6	-40.827	-0.0221	-2.5 to 2.5	Pass
				-20	3.6	-40.913	-0.0221	-2.5 to 2.5	Pass
				-10	3.6	-29.426	-0.0159	-2.5 to 2.5	Pass
				0	3.6	-32.330	-0.0175	-2.5 to 2.5	Pass
				10	3.6	-44.646	-0.0241	-2.5 to 2.5	Pass
				30	3.6	-43.058	-0.0233	-2.5 to 2.5	Pass
				40	3.6	-34.847	-0.0188	-2.5 to 2.5	Pass
				50	3.6	-25.063	-0.0135	-2.5 to 2.5	Pass
	1880	6	0	20	3.3	-31.886	-0.0170	-2.5 to 2.5	Pass
					3.6	-34.590	-0.0184	-2.5 to 2.5	Pass
					4.2	-8.926	-0.0047	-2.5 to 2.5	Pass
				-30	3.6	-10.514	-0.0056	-2.5 to 2.5	Pass
				-20	3.6	-26.121	-0.0139	-2.5 to 2.5	Pass
				-10	3.6	-46.234	-0.0246	-2.5 to 2.5	Pass
				0	3.6	1.230	0.0007	-2.5 to 2.5	Pass
				10	3.6	-14.606	-0.0078	-2.5 to 2.5	Pass
				30	3.6	-21.529	-0.0115	-2.5 to 2.5	Pass
				40	3.6	-24.662	-0.0131	-2.5 to 2.5	Pass
				50	3.6	-16.494	-0.0088	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.3	8.912	0.0047	-2.5 to 2.5	Pass
					3.6	-27.924	-0.0146	-2.5 to 2.5	Pass
					4.2	-20.885	-0.0109	-2.5 to 2.5	Pass
				-30	3.6	-25.578	-0.0134	-2.5 to 2.5	Pass
				-20	3.6	-26.665	-0.0140	-2.5 to 2.5	Pass
				-10	3.6	-29.211	-0.0153	-2.5 to 2.5	Pass
				0	3.6	-31.729	-0.0166	-2.5 to 2.5	Pass
				10	3.6	-16.422	-0.0086	-2.5 to 2.5	Pass
				30	3.6	-39.368	-0.0206	-2.5 to 2.5	Pass
				40	3.6	-12.903	-0.0068	-2.5 to 2.5	Pass
				50	3.6	-28.710	-0.0150	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.3	-37.937	-0.0205	-2.5 to 2.5	Pass
					3.6	-18.024	-0.0097	-2.5 to 2.5	Pass
					4.2	-36.321	-0.0196	-2.5 to 2.5	Pass
				-30	3.6	-30.026	-0.0162	-2.5 to 2.5	Pass
				-20	3.6	-26.650	-0.0144	-2.5 to 2.5	Pass
				-10	3.6	-37.236	-0.0201	-2.5 to 2.5	Pass
				0	3.6	-23.746	-0.0128	-2.5 to 2.5	Pass
				10	3.6	-23.947	-0.0129	-2.5 to 2.5	Pass
				30	3.6	-34.418	-0.0186	-2.5 to 2.5	Pass
				40	3.6	-39.411	-0.0213	-2.5 to 2.5	Pass
				50	3.6	-15.049	-0.0081	-2.5 to 2.5	Pass
	1880	6	0	20	3.3	-29.225	-0.0155	-2.5 to 2.5	Pass
					3.6	-10.214	-0.0054	-2.5 to 2.5	Pass

					4.2	-18.182	-0.0097	-2.5 to 2.5	Pass
				-30	3.6	-11.001	-0.0059	-2.5 to 2.5	Pass
				-20	3.6	-17.266	-0.0092	-2.5 to 2.5	Pass
				-10	3.6	-17.481	-0.0093	-2.5 to 2.5	Pass
				0	3.6	-6.824	-0.0036	-2.5 to 2.5	Pass
				10	3.6	8.397	0.0045	-2.5 to 2.5	Pass
				30	3.6	-31.686	-0.0169	-2.5 to 2.5	Pass
				40	3.6	-41.184	-0.0219	-2.5 to 2.5	Pass
				50	3.6	-15.821	-0.0084	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.3	-39.310	-0.0206	-2.5 to 2.5	Pass
					3.6	-44.975	-0.0236	-2.5 to 2.5	Pass
					4.2	-38.524	-0.0202	-2.5 to 2.5	Pass
				-30	3.6	-31.729	-0.0166	-2.5 to 2.5	Pass
				-20	3.6	-30.127	-0.0158	-2.5 to 2.5	Pass
				-10	3.6	-1.845	-0.0010	-2.5 to 2.5	Pass
				0	3.6	-34.060	-0.0178	-2.5 to 2.5	Pass
				10	3.6	-33.102	-0.0173	-2.5 to 2.5	Pass
				30	3.6	-0.544	-0.0003	-2.5 to 2.5	Pass
				40	3.6	-33.417	-0.0175	-2.5 to 2.5	Pass
				50	3.6	-24.576	-0.0129	-2.5 to 2.5	Pass

1.2 B2_3MHz

1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.3	-18.110	-0.0098	-2.5 to 2.5	Pass
					3.6	-33.245	-0.0180	-2.5 to 2.5	Pass
					4.2	-32.129	-0.0174	-2.5 to 2.5	Pass
				-30	3.6	-36.235	-0.0196	-2.5 to 2.5	Pass
				-20	3.6	-19.026	-0.0103	-2.5 to 2.5	Pass
				-10	3.6	-20.399	-0.0110	-2.5 to 2.5	Pass
				0	3.6	-38.738	-0.0209	-2.5 to 2.5	Pass
				10	3.6	-27.065	-0.0146	-2.5 to 2.5	Pass
				30	3.6	-36.206	-0.0196	-2.5 to 2.5	Pass
				40	3.6	-47.565	-0.0257	-2.5 to 2.5	Pass
				50	3.6	-24.505	-0.0132	-2.5 to 2.5	Pass
	1880	15	0	20	3.3	-1.717	-0.0009	-2.5 to 2.5	Pass
					3.6	-12.031	-0.0064	-2.5 to 2.5	Pass
					4.2	-26.836	-0.0143	-2.5 to 2.5	Pass
				-30	3.6	6.080	0.0032	-2.5 to 2.5	Pass
				-20	3.6	-11.730	-0.0062	-2.5 to 2.5	Pass
				-10	3.6	-30.713	-0.0163	-2.5 to 2.5	Pass
				0	3.6	-41.800	-0.0222	-2.5 to 2.5	Pass
				10	3.6	-14.391	-0.0077	-2.5 to 2.5	Pass
				30	3.6	-37.751	-0.0201	-2.5 to 2.5	Pass
				40	3.6	-1.616	-0.0009	-2.5 to 2.5	Pass
				50	3.6	-18.983	-0.0101	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.3	12.946	0.0068	-2.5 to 2.5	Pass
					3.6	-11.687	-0.0061	-2.5 to 2.5	Pass
					4.2	-27.680	-0.0145	-2.5 to 2.5	Pass
				-30	3.6	-15.750	-0.0083	-2.5 to 2.5	Pass
				-20	3.6	-40.469	-0.0212	-2.5 to 2.5	Pass

				-10	3.6	-9.212	-0.0048	-2.5 to 2.5	Pass
				0	3.6	-27.981	-0.0147	-2.5 to 2.5	Pass
				10	3.6	-45.648	-0.0239	-2.5 to 2.5	Pass
				30	3.6	-40.627	-0.0213	-2.5 to 2.5	Pass
				40	3.6	13.475	0.0071	-2.5 to 2.5	Pass
				50	3.6	-38.624	-0.0202	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.3	-12.817	-0.0069	-2.5 to 2.5	Pass
					3.6	-49.195	-0.0266	-2.5 to 2.5	Pass
					4.2	-27.595	-0.0149	-2.5 to 2.5	Pass
				-30	3.6	-2.975	-0.0016	-2.5 to 2.5	Pass
				-20	3.6	-1.888	-0.0010	-2.5 to 2.5	Pass
				-10	3.6	-35.648	-0.0193	-2.5 to 2.5	Pass
				0	3.6	3.304	0.0018	-2.5 to 2.5	Pass
				10	3.6	-39.296	-0.0212	-2.5 to 2.5	Pass
				30	3.6	-44.818	-0.0242	-2.5 to 2.5	Pass
				40	3.6	-19.412	-0.0105	-2.5 to 2.5	Pass
				50	3.6	-23.489	-0.0127	-2.5 to 2.5	Pass
	1880	15	0	20	3.3	-39.339	-0.0209	-2.5 to 2.5	Pass
					3.6	-14.176	-0.0075	-2.5 to 2.5	Pass
					4.2	-21.458	-0.0114	-2.5 to 2.5	Pass
				-30	3.6	-30.284	-0.0161	-2.5 to 2.5	Pass
				-20	3.6	-38.166	-0.0203	-2.5 to 2.5	Pass
				-10	3.6	-45.848	-0.0244	-2.5 to 2.5	Pass
				0	3.6	8.726	0.0046	-2.5 to 2.5	Pass
				10	3.6	-0.987	-0.0005	-2.5 to 2.5	Pass
				30	3.6	-10.686	-0.0057	-2.5 to 2.5	Pass
				40	3.6	-18.682	-0.0099	-2.5 to 2.5	Pass
				50	3.6	-27.881	-0.0148	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.3	-42.429	-0.0222	-2.5 to 2.5	Pass
					3.6	-11.287	-0.0059	-2.5 to 2.5	Pass
					4.2	-39.339	-0.0206	-2.5 to 2.5	Pass
				-30	3.6	-27.623	-0.0145	-2.5 to 2.5	Pass
				-20	3.6	-48.180	-0.0252	-2.5 to 2.5	Pass
				-10	3.6	-11.501	-0.0060	-2.5 to 2.5	Pass
				0	3.6	-27.952	-0.0146	-2.5 to 2.5	Pass
				10	3.6	-45.133	-0.0236	-2.5 to 2.5	Pass
				30	3.6	-28.224	-0.0148	-2.5 to 2.5	Pass
				40	3.6	-4.120	-0.0022	-2.5 to 2.5	Pass
				50	3.6	-2.561	-0.0013	-2.5 to 2.5	Pass

1.3 B2_5MHz

1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.3	17.252	0.0093	-2.5 to 2.5	Pass
					3.6	19.455	0.0105	-2.5 to 2.5	Pass
					4.2	-8.912	-0.0048	-2.5 to 2.5	Pass
				-30	3.6	-46.721	-0.0252	-2.5 to 2.5	Pass
				-20	3.6	-24.261	-0.0131	-2.5 to 2.5	Pass
				-10	3.6	-26.178	-0.0141	-2.5 to 2.5	Pass
				0	3.6	-13.676	-0.0074	-2.5 to 2.5	Pass
				10	3.6	-43.130	-0.0233	-2.5 to 2.5	Pass
				30	3.6	-31.943	-0.0172	-2.5 to 2.5	Pass
				40	3.6	-12.274	-0.0066	-2.5 to 2.5	Pass
				50	3.6	-40.684	-0.0220	-2.5 to 2.5	Pass
	1880	25	0	20	3.3	12.417	0.0066	-2.5 to 2.5	Pass
					3.6	17.581	0.0094	-2.5 to 2.5	Pass
					4.2	19.927	0.0106	-2.5 to 2.5	Pass
				-30	3.6	20.385	0.0108	-2.5 to 2.5	Pass
				-20	3.6	24.991	0.0133	-2.5 to 2.5	Pass
				-10	3.6	21.744	0.0116	-2.5 to 2.5	Pass
				0	3.6	21.329	0.0113	-2.5 to 2.5	Pass
				10	3.6	21.858	0.0116	-2.5 to 2.5	Pass
				30	3.6	19.913	0.0106	-2.5 to 2.5	Pass
				40	3.6	18.539	0.0099	-2.5 to 2.5	Pass
				50	3.6	13.275	0.0071	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.3	5.493	0.0029	-2.5 to 2.5	Pass
					3.6	4.377	0.0023	-2.5 to 2.5	Pass
					4.2	-6.051	-0.0032	-2.5 to 2.5	Pass
				-30	3.6	-21.057	-0.0110	-2.5 to 2.5	Pass
				-20	3.6	-37.594	-0.0197	-2.5 to 2.5	Pass
				-10	3.6	0.672	0.0004	-2.5 to 2.5	Pass
				0	3.6	-15.678	-0.0082	-2.5 to 2.5	Pass
				10	3.6	-28.167	-0.0148	-2.5 to 2.5	Pass
				30	3.6	-39.511	-0.0207	-2.5 to 2.5	Pass
				40	3.6	-11.187	-0.0059	-2.5 to 2.5	Pass
				50	3.6	-23.861	-0.0125	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.3	-8.798	-0.0047	-2.5 to 2.5	Pass
					3.6	-31.714	-0.0171	-2.5 to 2.5	Pass
					4.2	-8.941	-0.0048	-2.5 to 2.5	Pass
				-30	3.6	-26.693	-0.0144	-2.5 to 2.5	Pass
				-20	3.6	-41.871	-0.0226	-2.5 to 2.5	Pass
				-10	3.6	-7.625	-0.0041	-2.5 to 2.5	Pass
				0	3.6	-20.199	-0.0109	-2.5 to 2.5	Pass
				10	3.6	-33.545	-0.0181	-2.5 to 2.5	Pass
				30	3.6	-45.719	-0.0247	-2.5 to 2.5	Pass
				40	3.6	-8.068	-0.0044	-2.5 to 2.5	Pass
				50	3.6	-22.573	-0.0122	-2.5 to 2.5	Pass
	1880	25	0	20	3.3	10.314	0.0055	-2.5 to 2.5	Pass
					3.6	9.871	0.0053	-2.5 to 2.5	Pass
					4.2	14.791	0.0079	-2.5 to 2.5	Pass

				-30	3.6	15.821	0.0084	-2.5 to 2.5	Pass
				-20	3.6	15.635	0.0083	-2.5 to 2.5	Pass
				-10	3.6	17.481	0.0093	-2.5 to 2.5	Pass
				0	3.6	21.830	0.0116	-2.5 to 2.5	Pass
				10	3.6	23.804	0.0127	-2.5 to 2.5	Pass
				30	3.6	24.834	0.0132	-2.5 to 2.5	Pass
				40	3.6	25.005	0.0133	-2.5 to 2.5	Pass
				50	3.6	26.178	0.0139	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.3	-35.706	-0.0187	-2.5 to 2.5	Pass
					3.6	-40.727	-0.0214	-2.5 to 2.5	Pass
					4.2	-41.571	-0.0218	-2.5 to 2.5	Pass
				-30	3.6	14.863	0.0078	-2.5 to 2.5	Pass
				-20	3.6	9.727	0.0051	-2.5 to 2.5	Pass
				-10	3.6	8.883	0.0047	-2.5 to 2.5	Pass
				0	3.6	5.493	0.0029	-2.5 to 2.5	Pass
				10	3.6	6.151	0.0032	-2.5 to 2.5	Pass
				30	3.6	2.961	0.0016	-2.5 to 2.5	Pass
				40	3.6	0.215	0.0001	-2.5 to 2.5	Pass
				50	3.6	-1.988	-0.0010	-2.5 to 2.5	Pass

1.4 B2_10MHz

1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.3	34.218	0.0184	-2.5 to 2.5	Pass
					3.6	24.462	0.0132	-2.5 to 2.5	Pass
					4.2	-6.623	-0.0036	-2.5 to 2.5	Pass
				-30	3.6	-33.832	-0.0182	-2.5 to 2.5	Pass
				-20	3.6	-11.058	-0.0060	-2.5 to 2.5	Pass
				-10	3.6	-38.209	-0.0206	-2.5 to 2.5	Pass
				0	3.6	-13.890	-0.0075	-2.5 to 2.5	Pass
				10	3.6	-37.293	-0.0201	-2.5 to 2.5	Pass
				30	3.6	-8.039	-0.0043	-2.5 to 2.5	Pass
				40	3.6	-23.961	-0.0129	-2.5 to 2.5	Pass
				50	3.6	-40.083	-0.0216	-2.5 to 2.5	Pass
	1880	50	0	20	3.3	12.016	0.0064	-2.5 to 2.5	Pass
					3.6	22.488	0.0120	-2.5 to 2.5	Pass
					4.2	26.650	0.0142	-2.5 to 2.5	Pass
				-30	3.6	29.955	0.0159	-2.5 to 2.5	Pass
				-20	3.6	32.187	0.0171	-2.5 to 2.5	Pass
				-10	3.6	34.904	0.0186	-2.5 to 2.5	Pass
				0	3.6	37.179	0.0198	-2.5 to 2.5	Pass
				10	3.6	20.385	0.0108	-2.5 to 2.5	Pass
				30	3.6	-7.510	-0.0040	-2.5 to 2.5	Pass
				40	3.6	-7.682	-0.0041	-2.5 to 2.5	Pass
				50	3.6	-7.281	-0.0039	-2.5 to 2.5	Pass
	1905	50	0	20	3.3	26.836	0.0141	-2.5 to 2.5	Pass
					3.6	22.559	0.0118	-2.5 to 2.5	Pass
					4.2	13.404	0.0070	-2.5 to 2.5	Pass
				-30	3.6	-0.458	-0.0002	-2.5 to 2.5	Pass
				-20	3.6	-12.431	-0.0065	-2.5 to 2.5	Pass
				-10	3.6	-22.573	-0.0118	-2.5 to 2.5	Pass

				0	3.6	-32.802	-0.0172	-2.5 to 2.5	Pass
				10	3.6	-41.599	-0.0218	-2.5 to 2.5	Pass
				30	3.6	-0.901	-0.0005	-2.5 to 2.5	Pass
				40	3.6	-8.111	-0.0043	-2.5 to 2.5	Pass
				50	3.6	-18.725	-0.0098	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.3	-24.018	-0.0129	-2.5 to 2.5	Pass
					3.6	-29.597	-0.0160	-2.5 to 2.5	Pass
					4.2	-39.611	-0.0214	-2.5 to 2.5	Pass
				-30	3.6	-43.645	-0.0235	-2.5 to 2.5	Pass
				-20	3.6	2.017	0.0011	-2.5 to 2.5	Pass
				-10	3.6	-1.760	-0.0009	-2.5 to 2.5	Pass
				0	3.6	-7.682	-0.0041	-2.5 to 2.5	Pass
				10	3.6	-13.289	-0.0072	-2.5 to 2.5	Pass
				30	3.6	-20.227	-0.0109	-2.5 to 2.5	Pass
				40	3.6	-25.277	-0.0136	-2.5 to 2.5	Pass
				50	3.6	-29.440	-0.0159	-2.5 to 2.5	Pass
	1880	50	0	20	3.3	-9.170	-0.0049	-2.5 to 2.5	Pass
					3.6	-2.890	-0.0015	-2.5 to 2.5	Pass
					4.2	4.663	0.0025	-2.5 to 2.5	Pass
				-30	3.6	11.101	0.0059	-2.5 to 2.5	Pass
				-20	3.6	15.492	0.0082	-2.5 to 2.5	Pass
				-10	3.6	19.941	0.0106	-2.5 to 2.5	Pass
				0	3.6	23.932	0.0127	-2.5 to 2.5	Pass
				10	3.6	28.696	0.0153	-2.5 to 2.5	Pass
				30	3.6	30.599	0.0163	-2.5 to 2.5	Pass
				40	3.6	32.687	0.0174	-2.5 to 2.5	Pass
				50	3.6	38.409	0.0204	-2.5 to 2.5	Pass
	1905	50	0	20	3.3	-25.334	-0.0133	-2.5 to 2.5	Pass
					3.6	-25.749	-0.0135	-2.5 to 2.5	Pass
					4.2	-25.120	-0.0132	-2.5 to 2.5	Pass
				-30	3.6	-23.160	-0.0122	-2.5 to 2.5	Pass
				-20	3.6	-23.646	-0.0124	-2.5 to 2.5	Pass
				-10	3.6	-25.234	-0.0132	-2.5 to 2.5	Pass
				0	3.6	-27.080	-0.0142	-2.5 to 2.5	Pass
				10	3.6	-28.725	-0.0151	-2.5 to 2.5	Pass
				30	3.6	-27.394	-0.0144	-2.5 to 2.5	Pass
				40	3.6	-29.640	-0.0156	-2.5 to 2.5	Pass
				50	3.6	-32.501	-0.0171	-2.5 to 2.5	Pass

1.5 B2_15MHz

1.5.1 Test Result

Band: 2 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.3	16.265	0.0088	-2.5 to 2.5	Pass
					3.6	7.210	0.0039	-2.5 to 2.5	Pass
					4.2	-12.016	-0.0065	-2.5 to 2.5	Pass
				-30	3.6	-31.328	-0.0169	-2.5 to 2.5	Pass
				-20	3.6	-0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.6	-17.109	-0.0092	-2.5 to 2.5	Pass
				0	3.6	-31.185	-0.0168	-2.5 to 2.5	Pass
				10	3.6	-44.861	-0.0242	-2.5 to 2.5	Pass
				30	3.6	4.292	0.0023	-2.5 to 2.5	Pass
				40	3.6	-5.450	-0.0029	-2.5 to 2.5	Pass
				50	3.6	-13.161	-0.0071	-2.5 to 2.5	Pass
	1880	75	0	20	3.3	16.952	0.0090	-2.5 to 2.5	Pass
					3.6	25.735	0.0137	-2.5 to 2.5	Pass
					4.2	27.823	0.0148	-2.5 to 2.5	Pass
				-30	3.6	28.095	0.0149	-2.5 to 2.5	Pass
				-20	3.6	32.616	0.0173	-2.5 to 2.5	Pass
				-10	3.6	34.704	0.0185	-2.5 to 2.5	Pass
				0	3.6	34.504	0.0184	-2.5 to 2.5	Pass
				10	3.6	36.478	0.0194	-2.5 to 2.5	Pass
				30	3.6	36.249	0.0193	-2.5 to 2.5	Pass
				40	3.6	40.269	0.0214	-2.5 to 2.5	Pass
				50	3.6	43.130	0.0229	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.3	11.559	0.0061	-2.5 to 2.5	Pass
					3.6	5.322	0.0028	-2.5 to 2.5	Pass
					4.2	-5.794	-0.0030	-2.5 to 2.5	Pass
				-30	3.6	-16.794	-0.0088	-2.5 to 2.5	Pass
				-20	3.6	-24.190	-0.0127	-2.5 to 2.5	Pass
				-10	3.6	-31.028	-0.0163	-2.5 to 2.5	Pass
				0	3.6	-36.521	-0.0192	-2.5 to 2.5	Pass
				10	3.6	-40.870	-0.0215	-2.5 to 2.5	Pass
				30	3.6	-45.619	-0.0240	-2.5 to 2.5	Pass
				40	3.6	0.501	0.0003	-2.5 to 2.5	Pass
				50	3.6	-3.147	-0.0017	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.3	-22.659	-0.0122	-2.5 to 2.5	Pass
					3.6	-24.161	-0.0130	-2.5 to 2.5	Pass
					4.2	-24.118	-0.0130	-2.5 to 2.5	Pass
				-30	3.6	-27.723	-0.0149	-2.5 to 2.5	Pass
				-20	3.6	-28.167	-0.0152	-2.5 to 2.5	Pass
				-10	3.6	-29.569	-0.0159	-2.5 to 2.5	Pass
				0	3.6	-32.029	-0.0172	-2.5 to 2.5	Pass
				10	3.6	-35.348	-0.0190	-2.5 to 2.5	Pass
				30	3.6	-39.911	-0.0215	-2.5 to 2.5	Pass
				40	3.6	-41.299	-0.0222	-2.5 to 2.5	Pass
				50	3.6	-42.529	-0.0229	-2.5 to 2.5	Pass
	1880	75	0	20	3.3	44.045	0.0234	-2.5 to 2.5	Pass
					3.6	-13.547	-0.0072	-2.5 to 2.5	Pass
					4.2	-5.679	-0.0030	-2.5 to 2.5	Pass

				-30	3.6	-4.306	-0.0023	-2.5 to 2.5	Pass
				-20	3.6	-0.901	-0.0005	-2.5 to 2.5	Pass
				-10	3.6	4.463	0.0024	-2.5 to 2.5	Pass
				0	3.6	7.682	0.0041	-2.5 to 2.5	Pass
				10	3.6	10.815	0.0058	-2.5 to 2.5	Pass
				30	3.6	14.563	0.0077	-2.5 to 2.5	Pass
				40	3.6	14.534	0.0077	-2.5 to 2.5	Pass
				50	3.6	18.926	0.0101	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.3	-8.640	-0.0045	-2.5 to 2.5	Pass
					3.6	-5.708	-0.0030	-2.5 to 2.5	Pass
					4.2	-5.207	-0.0027	-2.5 to 2.5	Pass
				-30	3.6	-5.193	-0.0027	-2.5 to 2.5	Pass
				-20	3.6	-3.619	-0.0019	-2.5 to 2.5	Pass
				-10	3.6	-4.735	-0.0025	-2.5 to 2.5	Pass
				0	3.6	-3.705	-0.0019	-2.5 to 2.5	Pass
				10	3.6	-2.017	-0.0011	-2.5 to 2.5	Pass
				30	3.6	-2.160	-0.0011	-2.5 to 2.5	Pass
				40	3.6	-3.018	-0.0016	-2.5 to 2.5	Pass
				50	3.6	-4.463	-0.0023	-2.5 to 2.5	Pass

1.6 B2_20MHz

1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.3	27.609	0.0148	-2.5 to 2.5	Pass
					3.6	15.821	0.0085	-2.5 to 2.5	Pass
					4.2	-2.775	-0.0015	-2.5 to 2.5	Pass
				-30	3.6	-13.247	-0.0071	-2.5 to 2.5	Pass
				-20	3.6	-24.548	-0.0132	-2.5 to 2.5	Pass
				-10	3.6	-33.231	-0.0179	-2.5 to 2.5	Pass
				0	3.6	-38.209	-0.0205	-2.5 to 2.5	Pass
				10	3.6	-43.359	-0.0233	-2.5 to 2.5	Pass
				30	3.6	7.424	0.0040	-2.5 to 2.5	Pass
				40	3.6	4.492	0.0024	-2.5 to 2.5	Pass
				50	3.6	1.202	0.0006	-2.5 to 2.5	Pass
	1880	100	0	20	3.3	1.473	0.0008	-2.5 to 2.5	Pass
					3.6	4.320	0.0023	-2.5 to 2.5	Pass
					4.2	5.622	0.0030	-2.5 to 2.5	Pass
				-30	3.6	8.698	0.0046	-2.5 to 2.5	Pass
				-20	3.6	9.441	0.0050	-2.5 to 2.5	Pass
				-10	3.6	10.242	0.0054	-2.5 to 2.5	Pass
				0	3.6	10.571	0.0056	-2.5 to 2.5	Pass
				10	3.6	12.360	0.0066	-2.5 to 2.5	Pass
				30	3.6	10.629	0.0057	-2.5 to 2.5	Pass
				40	3.6	12.202	0.0065	-2.5 to 2.5	Pass
				50	3.6	15.421	0.0082	-2.5 to 2.5	Pass
	1900	100	0	20	3.3	12.002	0.0063	-2.5 to 2.5	Pass
					3.6	0.386	0.0002	-2.5 to 2.5	Pass
					4.2	-9.212	-0.0048	-2.5 to 2.5	Pass
				-30	3.6	-18.282	-0.0096	-2.5 to 2.5	Pass
				-20	3.6	-18.511	-0.0097	-2.5 to 2.5	Pass
				-10	3.6	-23.732	-0.0125	-2.5 to 2.5	Pass

				0	3.6	-25.992	-0.0137	-2.5 to 2.5	Pass
				10	3.6	-29.397	-0.0155	-2.5 to 2.5	Pass
				30	3.6	-32.701	-0.0172	-2.5 to 2.5	Pass
				40	3.6	-35.419	-0.0186	-2.5 to 2.5	Pass
				50	3.6	-40.326	-0.0212	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.3	-7.110	-0.0038	-2.5 to 2.5	Pass
					3.6	-3.033	-0.0016	-2.5 to 2.5	Pass
					4.2	-3.877	-0.0021	-2.5 to 2.5	Pass
				-30	3.6	-4.878	-0.0026	-2.5 to 2.5	Pass
				-20	3.6	-6.323	-0.0034	-2.5 to 2.5	Pass
				-10	3.6	-7.668	-0.0041	-2.5 to 2.5	Pass
				0	3.6	-7.296	-0.0039	-2.5 to 2.5	Pass
				10	3.6	-8.812	-0.0047	-2.5 to 2.5	Pass
				30	3.6	-12.503	-0.0067	-2.5 to 2.5	Pass
				40	3.6	-9.227	-0.0050	-2.5 to 2.5	Pass
				50	3.6	-11.988	-0.0064	-2.5 to 2.5	Pass
	1880	100	0	20	3.3	12.088	0.0064	-2.5 to 2.5	Pass
					3.6	16.694	0.0089	-2.5 to 2.5	Pass
					4.2	18.926	0.0101	-2.5 to 2.5	Pass
				-30	3.6	20.700	0.0110	-2.5 to 2.5	Pass
				-20	3.6	25.606	0.0136	-2.5 to 2.5	Pass
				-10	3.6	27.480	0.0146	-2.5 to 2.5	Pass
				0	3.6	30.084	0.0160	-2.5 to 2.5	Pass
				10	3.6	31.214	0.0166	-2.5 to 2.5	Pass
				30	3.6	34.432	0.0183	-2.5 to 2.5	Pass
				40	3.6	34.690	0.0185	-2.5 to 2.5	Pass
				50	3.6	0.415	0.0002	-2.5 to 2.5	Pass
	1900	100	0	20	3.3	-39.883	-0.0210	-2.5 to 2.5	Pass
					3.6	-37.537	-0.0198	-2.5 to 2.5	Pass
					4.2	-35.877	-0.0189	-2.5 to 2.5	Pass
				-30	3.6	-33.746	-0.0178	-2.5 to 2.5	Pass
				-20	3.6	-37.780	-0.0199	-2.5 to 2.5	Pass
				-10	3.6	-35.877	-0.0189	-2.5 to 2.5	Pass
				0	3.6	-33.445	-0.0176	-2.5 to 2.5	Pass
				10	3.6	-35.105	-0.0185	-2.5 to 2.5	Pass
				30	3.6	-32.816	-0.0173	-2.5 to 2.5	Pass
				40	3.6	-32.859	-0.0173	-2.5 to 2.5	Pass
				50	3.6	-31.929	-0.0168	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B38_5MHz

2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.3	-4.435	-0.0017	-2.5 to 2.5	Pass
					3.6	7.153	0.0028	-2.5 to 2.5	Pass
					4.2	22.888	0.0089	-2.5 to 2.5	Pass
				-30	3.6	6.838	0.0027	-2.5 to 2.5	Pass
				-20	3.6	26.093	0.0101	-2.5 to 2.5	Pass
				-10	3.6	47.021	0.0183	-2.5 to 2.5	Pass
				0	3.6	28.167	0.0109	-2.5 to 2.5	Pass
				10	3.6	42.601	0.0166	-2.5 to 2.5	Pass
				30	3.6	4.663	0.0018	-2.5 to 2.5	Pass
				40	3.6	20.442	0.0079	-2.5 to 2.5	Pass
				50	3.6	38.109	0.0148	-2.5 to 2.5	Pass
	2595	25	0	20	3.3	23.189	0.0089	-2.5 to 2.5	Pass
					3.6	-8.883	-0.0034	-2.5 to 2.5	Pass
					4.2	10.543	0.0041	-2.5 to 2.5	Pass
				-30	3.6	33.216	0.0128	-2.5 to 2.5	Pass
				-20	3.6	16.994	0.0065	-2.5 to 2.5	Pass
				-10	3.6	35.434	0.0137	-2.5 to 2.5	Pass
				0	3.6	-3.762	-0.0014	-2.5 to 2.5	Pass
				10	3.6	13.046	0.0050	-2.5 to 2.5	Pass
				30	3.6	33.717	0.0130	-2.5 to 2.5	Pass
				40	3.6	26.894	0.0104	-2.5 to 2.5	Pass
				50	3.6	21.214	0.0082	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.3	18.411	0.0070	-2.5 to 2.5	Pass
					3.6	43.588	0.0167	-2.5 to 2.5	Pass
					4.2	1.631	0.0006	-2.5 to 2.5	Pass
				-30	3.6	17.653	0.0067	-2.5 to 2.5	Pass
				-20	3.6	40.627	0.0155	-2.5 to 2.5	Pass
				-10	3.6	14.133	0.0054	-2.5 to 2.5	Pass
				0	3.6	33.660	0.0129	-2.5 to 2.5	Pass
				10	3.6	37.122	0.0142	-2.5 to 2.5	Pass
				30	3.6	34.890	0.0133	-2.5 to 2.5	Pass
				40	3.6	49.582	0.0189	-2.5 to 2.5	Pass
				50	3.6	5.493	0.0021	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.3	-0.601	-0.0002	-2.5 to 2.5	Pass
					3.6	23.804	0.0093	-2.5 to 2.5	Pass
					4.2	6.909	0.0027	-2.5 to 2.5	Pass
				-30	3.6	44.189	0.0172	-2.5 to 2.5	Pass
				-20	3.6	14.391	0.0056	-2.5 to 2.5	Pass
				-10	3.6	39.396	0.0153	-2.5 to 2.5	Pass
				0	3.6	9.527	0.0037	-2.5 to 2.5	Pass
				10	3.6	32.601	0.0127	-2.5 to 2.5	Pass
				30	3.6	26.894	0.0105	-2.5 to 2.5	Pass
				40	3.6	-2.460	-0.0010	-2.5 to 2.5	Pass
				50	3.6	20.285	0.0079	-2.5 to 2.5	Pass

	2595	25	0	20	3.3	42.257	0.0163	-2.5 to 2.5	Pass
					3.6	25.964	0.0100	-2.5 to 2.5	Pass
					4.2	21.687	0.0084	-2.5 to 2.5	Pass
				-30	3.6	13.676	0.0053	-2.5 to 2.5	Pass
				-20	3.6	40.040	0.0154	-2.5 to 2.5	Pass
				-10	3.6	7.124	0.0027	-2.5 to 2.5	Pass
				0	3.6	26.593	0.0102	-2.5 to 2.5	Pass
				10	3.6	35.834	0.0138	-2.5 to 2.5	Pass
				30	3.6	40.898	0.0158	-2.5 to 2.5	Pass
				40	3.6	-2.732	-0.0011	-2.5 to 2.5	Pass
				50	3.6	24.047	0.0093	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.3	20.843	0.0080	-2.5 to 2.5	Pass
					3.6	37.422	0.0143	-2.5 to 2.5	Pass
					4.2	20.313	0.0078	-2.5 to 2.5	Pass
				-30	3.6	25.764	0.0098	-2.5 to 2.5	Pass
				-20	3.6	10.943	0.0042	-2.5 to 2.5	Pass
				-10	3.6	37.422	0.0143	-2.5 to 2.5	Pass
				0	3.6	-3.991	-0.0015	-2.5 to 2.5	Pass
				10	3.6	17.166	0.0066	-2.5 to 2.5	Pass
				30	3.6	44.689	0.0171	-2.5 to 2.5	Pass
				40	3.6	33.817	0.0129	-2.5 to 2.5	Pass
				50	3.6	-3.648	-0.0014	-2.5 to 2.5	Pass

2.2 B38_10MHz

2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	3.3	29.840	0.0116	-2.5 to 2.5	Pass
					3.6	9.441	0.0037	-2.5 to 2.5	Pass
					4.2	7.038	0.0027	-2.5 to 2.5	Pass
				-30	3.6	2.017	0.0008	-2.5 to 2.5	Pass
				-20	3.6	-10.815	-0.0042	-2.5 to 2.5	Pass
				-10	3.6	-18.740	-0.0073	-2.5 to 2.5	Pass
				0	3.6	-12.560	-0.0049	-2.5 to 2.5	Pass
				10	3.6	-14.319	-0.0056	-2.5 to 2.5	Pass
				30	3.6	-11.501	-0.0045	-2.5 to 2.5	Pass
				40	3.6	-10.514	-0.0041	-2.5 to 2.5	Pass
				50	3.6	-8.168	-0.0032	-2.5 to 2.5	Pass
	2595	50	0	20	3.3	12.460	0.0048	-2.5 to 2.5	Pass
					3.6	36.292	0.0140	-2.5 to 2.5	Pass
					4.2	41.099	0.0158	-2.5 to 2.5	Pass
				-30	3.6	44.575	0.0172	-2.5 to 2.5	Pass
				-20	3.6	46.864	0.0181	-2.5 to 2.5	Pass
				-10	3.6	44.675	0.0172	-2.5 to 2.5	Pass
				0	3.6	-2.747	-0.0011	-2.5 to 2.5	Pass
				10	3.6	-3.991	-0.0015	-2.5 to 2.5	Pass
				30	3.6	5.994	0.0023	-2.5 to 2.5	Pass
				40	3.6	7.524	0.0029	-2.5 to 2.5	Pass
				50	3.6	13.433	0.0052	-2.5 to 2.5	Pass
	2615	50	0	20	3.3	7.052	0.0027	-2.5 to 2.5	Pass
					3.6	26.808	0.0103	-2.5 to 2.5	Pass
					4.2	37.637	0.0144	-2.5 to 2.5	Pass

				-30	3.6	23.847	0.0091	-2.5 to 2.5	Pass
				-20	3.6	38.538	0.0147	-2.5 to 2.5	Pass
				-10	3.6	27.423	0.0105	-2.5 to 2.5	Pass
				0	3.6	30.484	0.0117	-2.5 to 2.5	Pass
				10	3.6	31.242	0.0119	-2.5 to 2.5	Pass
				30	3.6	44.074	0.0169	-2.5 to 2.5	Pass
				40	3.6	40.927	0.0157	-2.5 to 2.5	Pass
				50	3.6	-17.424	-0.0067	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.3	-3.591	-0.0014	-2.5 to 2.5	Pass
					3.6	9.928	0.0039	-2.5 to 2.5	Pass
					4.2	15.721	0.0061	-2.5 to 2.5	Pass
				-30	3.6	42.186	0.0164	-2.5 to 2.5	Pass
				-20	3.6	23.761	0.0092	-2.5 to 2.5	Pass
				-10	3.6	42.014	0.0163	-2.5 to 2.5	Pass
				0	3.6	-6.409	-0.0025	-2.5 to 2.5	Pass
				10	3.6	9.098	0.0035	-2.5 to 2.5	Pass
				30	3.6	27.008	0.0105	-2.5 to 2.5	Pass
				40	3.6	33.460	0.0130	-2.5 to 2.5	Pass
				50	3.6	16.909	0.0066	-2.5 to 2.5	Pass
	2595	50	0	20	3.3	16.308	0.0063	-2.5 to 2.5	Pass
					3.6	34.819	0.0134	-2.5 to 2.5	Pass
					4.2	3.905	0.0015	-2.5 to 2.5	Pass
				-30	3.6	27.165	0.0105	-2.5 to 2.5	Pass
				-20	3.6	47.536	0.0183	-2.5 to 2.5	Pass
				-10	3.6	28.610	0.0110	-2.5 to 2.5	Pass
				0	3.6	45.018	0.0173	-2.5 to 2.5	Pass
				10	3.6	2.818	0.0011	-2.5 to 2.5	Pass
				30	3.6	11.430	0.0044	-2.5 to 2.5	Pass
				40	3.6	30.813	0.0119	-2.5 to 2.5	Pass
				50	3.6	38.552	0.0149	-2.5 to 2.5	Pass
	2615	50	0	20	3.3	-15.922	-0.0061	-2.5 to 2.5	Pass
					3.6	-12.231	-0.0047	-2.5 to 2.5	Pass
					4.2	7.052	0.0027	-2.5 to 2.5	Pass
				-30	3.6	19.355	0.0074	-2.5 to 2.5	Pass
				-20	3.6	43.716	0.0167	-2.5 to 2.5	Pass
				-10	3.6	9.685	0.0037	-2.5 to 2.5	Pass
				0	3.6	25.964	0.0099	-2.5 to 2.5	Pass
				10	3.6	30.899	0.0118	-2.5 to 2.5	Pass
				30	3.6	-5.550	-0.0021	-2.5 to 2.5	Pass
				40	3.6	9.313	0.0036	-2.5 to 2.5	Pass
				50	3.6	27.237	0.0104	-2.5 to 2.5	Pass

2.3 B38_15MHz

2.3.1 Test Result

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	3.3	29.268	0.0114	-2.5 to 2.5	Pass
					3.6	35.763	0.0139	-2.5 to 2.5	Pass
					4.2	27.995	0.0109	-2.5 to 2.5	Pass
				-30	3.6	6.366	0.0025	-2.5 to 2.5	Pass
				-20	3.6	-14.620	-0.0057	-2.5 to 2.5	Pass
				-10	3.6	-40.441	-0.0157	-2.5 to 2.5	Pass
				0	3.6	-47.421	-0.0184	-2.5 to 2.5	Pass
				10	3.6	-31.829	-0.0123	-2.5 to 2.5	Pass
				30	3.6	-32.058	-0.0124	-2.5 to 2.5	Pass
				40	3.6	-50.640	-0.0196	-2.5 to 2.5	Pass
				50	3.6	-47.436	-0.0184	-2.5 to 2.5	Pass
	2595	75	0	20	3.3	-3.004	-0.0012	-2.5 to 2.5	Pass
					3.6	18.082	0.0070	-2.5 to 2.5	Pass
					4.2	14.205	0.0055	-2.5 to 2.5	Pass
				-30	3.6	11.315	0.0044	-2.5 to 2.5	Pass
				-20	3.6	9.828	0.0038	-2.5 to 2.5	Pass
				-10	3.6	4.621	0.0018	-2.5 to 2.5	Pass
				0	3.6	0.486	0.0002	-2.5 to 2.5	Pass
				10	3.6	1.116	0.0004	-2.5 to 2.5	Pass
				30	3.6	-5.679	-0.0022	-2.5 to 2.5	Pass
				40	3.6	-6.037	-0.0023	-2.5 to 2.5	Pass
				50	3.6	-6.638	-0.0026	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.3	16.708	0.0064	-2.5 to 2.5	Pass
					3.6	34.418	0.0132	-2.5 to 2.5	Pass
					4.2	36.306	0.0139	-2.5 to 2.5	Pass
				-30	3.6	46.091	0.0176	-2.5 to 2.5	Pass
				-20	3.6	-16.022	-0.0061	-2.5 to 2.5	Pass
				-10	3.6	-14.763	-0.0057	-2.5 to 2.5	Pass
				0	3.6	-9.499	-0.0036	-2.5 to 2.5	Pass
				10	3.6	-10.743	-0.0041	-2.5 to 2.5	Pass
				30	3.6	-7.968	-0.0030	-2.5 to 2.5	Pass
				40	3.6	-5.608	-0.0021	-2.5 to 2.5	Pass
				50	3.6	-5.193	-0.0020	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.3	-12.846	-0.0050	-2.5 to 2.5	Pass
					3.6	-9.584	-0.0037	-2.5 to 2.5	Pass
					4.2	16.422	0.0064	-2.5 to 2.5	Pass
				-30	3.6	24.147	0.0094	-2.5 to 2.5	Pass
				-20	3.6	37.365	0.0145	-2.5 to 2.5	Pass
				-10	3.6	-0.787	-0.0003	-2.5 to 2.5	Pass
				0	3.6	9.584	0.0037	-2.5 to 2.5	Pass
				10	3.6	18.997	0.0074	-2.5 to 2.5	Pass
				30	3.6	33.188	0.0129	-2.5 to 2.5	Pass
				40	3.6	41.842	0.0162	-2.5 to 2.5	Pass
				50	3.6	37.050	0.0144	-2.5 to 2.5	Pass
	2595	75	0	20	3.3	-8.154	-0.0031	-2.5 to 2.5	Pass
					3.6	8.669	0.0033	-2.5 to 2.5	Pass
					4.2	25.277	0.0097	-2.5 to 2.5	Pass

				-30	3.6	41.528	0.0160	-2.5 to 2.5	Pass
				-20	3.6	-4.578	-0.0018	-2.5 to 2.5	Pass
				-10	3.6	14.405	0.0056	-2.5 to 2.5	Pass
				0	3.6	27.523	0.0106	-2.5 to 2.5	Pass
				10	3.6	36.120	0.0139	-2.5 to 2.5	Pass
				30	3.6	10.872	0.0042	-2.5 to 2.5	Pass
				40	3.6	30.541	0.0118	-2.5 to 2.5	Pass
				50	3.6	36.163	0.0139	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.3	0.973	0.0004	-2.5 to 2.5	Pass
					3.6	14.491	0.0055	-2.5 to 2.5	Pass
					4.2	32.873	0.0126	-2.5 to 2.5	Pass
				-30	3.6	18.010	0.0069	-2.5 to 2.5	Pass
				-20	3.6	34.289	0.0131	-2.5 to 2.5	Pass
				-10	3.6	-2.317	-0.0009	-2.5 to 2.5	Pass
				0	3.6	0.172	0.0001	-2.5 to 2.5	Pass
				10	3.6	13.418	0.0051	-2.5 to 2.5	Pass
				30	3.6	36.263	0.0139	-2.5 to 2.5	Pass
				40	3.6	11.601	0.0044	-2.5 to 2.5	Pass
				50	3.6	1.073	0.0004	-2.5 to 2.5	Pass

2.4 B38_20MHz

2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.3	32.144	0.0125	-2.5 to 2.5	Pass
					3.6	-14.920	-0.0058	-2.5 to 2.5	Pass
					4.2	-37.680	-0.0146	-2.5 to 2.5	Pass
				-30	3.6	-4.034	-0.0016	-2.5 to 2.5	Pass
				-20	3.6	-24.691	-0.0096	-2.5 to 2.5	Pass
				-10	3.6	-40.798	-0.0158	-2.5 to 2.5	Pass
				0	3.6	-27.437	-0.0106	-2.5 to 2.5	Pass
				10	3.6	-38.037	-0.0147	-2.5 to 2.5	Pass
				30	3.6	-31.643	-0.0123	-2.5 to 2.5	Pass
				40	3.6	-11.530	-0.0045	-2.5 to 2.5	Pass
				50	3.6	-23.346	-0.0090	-2.5 to 2.5	Pass
	2595	100	0	20	3.3	1.402	0.0005	-2.5 to 2.5	Pass
					3.6	21.572	0.0083	-2.5 to 2.5	Pass
					4.2	18.168	0.0070	-2.5 to 2.5	Pass
				-30	3.6	3.047	0.0012	-2.5 to 2.5	Pass
				-20	3.6	-3.705	-0.0014	-2.5 to 2.5	Pass
				-10	3.6	-14.892	-0.0057	-2.5 to 2.5	Pass
				0	3.6	-17.395	-0.0067	-2.5 to 2.5	Pass
				10	3.6	-24.762	-0.0095	-2.5 to 2.5	Pass
				30	3.6	-23.217	-0.0089	-2.5 to 2.5	Pass
				40	3.6	-33.717	-0.0130	-2.5 to 2.5	Pass
				50	3.6	-32.759	-0.0126	-2.5 to 2.5	Pass
	2610	100	0	20	3.3	1.216	0.0005	-2.5 to 2.5	Pass
					3.6	19.312	0.0074	-2.5 to 2.5	Pass
					4.2	24.118	0.0092	-2.5 to 2.5	Pass
				-30	3.6	19.813	0.0076	-2.5 to 2.5	Pass
				-20	3.6	20.185	0.0077	-2.5 to 2.5	Pass
				-10	3.6	23.060	0.0088	-2.5 to 2.5	Pass

				0	3.6	21.157	0.0081	-2.5 to 2.5	Pass
				10	3.6	22.373	0.0086	-2.5 to 2.5	Pass
				30	3.6	28.825	0.0110	-2.5 to 2.5	Pass
				40	3.6	28.210	0.0108	-2.5 to 2.5	Pass
				50	3.6	35.605	0.0136	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.3	-27.781	-0.0108	-2.5 to 2.5	Pass
					3.6	-16.437	-0.0064	-2.5 to 2.5	Pass
					4.2	-5.550	-0.0022	-2.5 to 2.5	Pass
				-30	3.6	11.873	0.0046	-2.5 to 2.5	Pass
				-20	3.6	19.183	0.0074	-2.5 to 2.5	Pass
				-10	3.6	36.964	0.0143	-2.5 to 2.5	Pass
				0	3.6	46.763	0.0181	-2.5 to 2.5	Pass
				10	3.6	8.268	0.0032	-2.5 to 2.5	Pass
				30	3.6	19.555	0.0076	-2.5 to 2.5	Pass
				40	3.6	27.294	0.0106	-2.5 to 2.5	Pass
				50	3.6	34.275	0.0133	-2.5 to 2.5	Pass
	2595	100	0	20	3.3	-34.146	-0.0132	-2.5 to 2.5	Pass
					3.6	-23.203	-0.0089	-2.5 to 2.5	Pass
					4.2	-1.130	-0.0004	-2.5 to 2.5	Pass
				-30	3.6	17.824	0.0069	-2.5 to 2.5	Pass
				-20	3.6	31.257	0.0120	-2.5 to 2.5	Pass
				-10	3.6	20.571	0.0079	-2.5 to 2.5	Pass
				0	3.6	14.534	0.0056	-2.5 to 2.5	Pass
				10	3.6	23.088	0.0089	-2.5 to 2.5	Pass
				30	3.6	40.355	0.0156	-2.5 to 2.5	Pass
				40	3.6	5.307	0.0020	-2.5 to 2.5	Pass
				50	3.6	-5.808	-0.0022	-2.5 to 2.5	Pass
	2610	100	0	20	3.3	37.208	0.0143	-2.5 to 2.5	Pass
					3.6	8.440	0.0032	-2.5 to 2.5	Pass
					4.2	34.304	0.0131	-2.5 to 2.5	Pass
				-30	3.6	4.992	0.0019	-2.5 to 2.5	Pass
				-20	3.6	29.526	0.0113	-2.5 to 2.5	Pass
				-10	3.6	28.481	0.0109	-2.5 to 2.5	Pass
				0	3.6	28.324	0.0109	-2.5 to 2.5	Pass
				10	3.6	42.830	0.0164	-2.5 to 2.5	Pass
				30	3.6	12.288	0.0047	-2.5 to 2.5	Pass
				40	3.6	25.334	0.0097	-2.5 to 2.5	Pass
				50	3.6	43.101	0.0165	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.3	-16.365	-0.0096	-2.5 to 2.5	Pass
					3.6	-34.347	-0.0201	-2.5 to 2.5	Pass
					4.2	-21.815	-0.0128	-2.5 to 2.5	Pass
				-30	3.6	-16.007	-0.0094	-2.5 to 2.5	Pass
				-20	3.6	-3.147	-0.0018	-2.5 to 2.5	Pass
				-10	3.6	-31.929	-0.0187	-2.5 to 2.5	Pass
				0	3.6	-16.437	-0.0096	-2.5 to 2.5	Pass
				10	3.6	-14.305	-0.0084	-2.5 to 2.5	Pass
				30	3.6	-2.904	-0.0017	-2.5 to 2.5	Pass
				40	3.6	-4.735	-0.0028	-2.5 to 2.5	Pass
				50	3.6	-12.918	-0.0076	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.3	11.129	0.0064	-2.5 to 2.5	Pass
					3.6	-23.031	-0.0133	-2.5 to 2.5	Pass
					4.2	-21.901	-0.0126	-2.5 to 2.5	Pass
				-30	3.6	-36.120	-0.0208	-2.5 to 2.5	Pass
				-20	3.6	-41.642	-0.0240	-2.5 to 2.5	Pass
				-10	3.6	-18.067	-0.0104	-2.5 to 2.5	Pass
				0	3.6	-13.046	-0.0075	-2.5 to 2.5	Pass
				10	3.6	-18.182	-0.0105	-2.5 to 2.5	Pass
				30	3.6	-30.971	-0.0179	-2.5 to 2.5	Pass
				40	3.6	-9.871	-0.0057	-2.5 to 2.5	Pass
				50	3.6	-23.017	-0.0133	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.3	-28.982	-0.0165	-2.5 to 2.5	Pass
					3.6	-15.464	-0.0088	-2.5 to 2.5	Pass
					4.2	-47.178	-0.0269	-2.5 to 2.5	Pass
				-30	3.6	-29.812	-0.0170	-2.5 to 2.5	Pass
				-20	3.6	-19.226	-0.0110	-2.5 to 2.5	Pass
				-10	3.6	0.300	0.0002	-2.5 to 2.5	Pass
				0	3.6	-29.855	-0.0170	-2.5 to 2.5	Pass
				10	3.6	-19.426	-0.0111	-2.5 to 2.5	Pass
				30	3.6	-11.673	-0.0067	-2.5 to 2.5	Pass
				40	3.6	-32.444	-0.0185	-2.5 to 2.5	Pass
				50	3.6	-31.672	-0.0181	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.3	-16.966	-0.0099	-2.5 to 2.5	Pass
					3.6	-28.853	-0.0169	-2.5 to 2.5	Pass
					4.2	-17.266	-0.0101	-2.5 to 2.5	Pass
				-30	3.6	-12.846	-0.0075	-2.5 to 2.5	Pass
				-20	3.6	-20.499	-0.0120	-2.5 to 2.5	Pass
				-10	3.6	-39.210	-0.0229	-2.5 to 2.5	Pass
				0	3.6	-9.198	-0.0054	-2.5 to 2.5	Pass
				10	3.6	-24.505	-0.0143	-2.5 to 2.5	Pass
				30	3.6	-39.225	-0.0229	-2.5 to 2.5	Pass
				40	3.6	-17.767	-0.0104	-2.5 to 2.5	Pass
				50	3.6	-33.789	-0.0198	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.3	-20.299	-0.0117	-2.5 to 2.5	Pass
					3.6	-34.833	-0.0201	-2.5 to 2.5	Pass
					4.2	3.161	0.0018	-2.5 to 2.5	Pass
				-30	3.6	-19.312	-0.0111	-2.5 to 2.5	Pass
				-20	3.6	-32.587	-0.0188	-2.5 to 2.5	Pass
				-10	3.6	-23.131	-0.0134	-2.5 to 2.5	Pass
				0	3.6	-37.751	-0.0218	-2.5 to 2.5	Pass
				10	3.6	-41.714	-0.0241	-2.5 to 2.5	Pass
				30	3.6	-24.304	-0.0140	-2.5 to 2.5	Pass
				40	3.6	2.017	0.0012	-2.5 to 2.5	Pass
				50	3.6	-29.168	-0.0168	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.3	-9.656	-0.0055	-2.5 to 2.5	Pass
					3.6	-30.012	-0.0171	-2.5 to 2.5	Pass
					4.2	-21.658	-0.0123	-2.5 to 2.5	Pass
				-30	3.6	8.898	0.0051	-2.5 to 2.5	Pass
				-20	3.6	-11.802	-0.0067	-2.5 to 2.5	Pass
				-10	3.6	-32.716	-0.0186	-2.5 to 2.5	Pass
				0	3.6	-17.266	-0.0098	-2.5 to 2.5	Pass
				10	3.6	-34.060	-0.0194	-2.5 to 2.5	Pass
				30	3.6	-12.746	-0.0073	-2.5 to 2.5	Pass
				40	3.6	-32.644	-0.0186	-2.5 to 2.5	Pass
				50	3.6	-18.425	-0.0105	-2.5 to 2.5	Pass

3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.3	-24.705	-0.0144	-2.5 to 2.5	Pass
					3.6	-16.022	-0.0094	-2.5 to 2.5	Pass
					4.2	-27.995	-0.0164	-2.5 to 2.5	Pass
				-30	3.6	-37.651	-0.0220	-2.5 to 2.5	Pass
				-20	3.6	-18.511	-0.0108	-2.5 to 2.5	Pass
				-10	3.6	-17.180	-0.0100	-2.5 to 2.5	Pass
				0	3.6	-21.615	-0.0126	-2.5 to 2.5	Pass
				10	3.6	-27.809	-0.0162	-2.5 to 2.5	Pass
				30	3.6	-24.176	-0.0141	-2.5 to 2.5	Pass
				40	3.6	-23.689	-0.0138	-2.5 to 2.5	Pass
				50	3.6	-23.131	-0.0135	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.3	-26.836	-0.0155	-2.5 to 2.5	Pass
					3.6	-6.123	-0.0035	-2.5 to 2.5	Pass
					4.2	-24.061	-0.0139	-2.5 to 2.5	Pass
				-30	3.6	-16.279	-0.0094	-2.5 to 2.5	Pass
				-20	3.6	-9.341	-0.0054	-2.5 to 2.5	Pass
				-10	3.6	-32.716	-0.0189	-2.5 to 2.5	Pass
				0	3.6	-34.418	-0.0199	-2.5 to 2.5	Pass
				10	3.6	-13.976	-0.0081	-2.5 to 2.5	Pass
				30	3.6	-20.156	-0.0116	-2.5 to 2.5	Pass
				40	3.6	-24.848	-0.0143	-2.5 to 2.5	Pass
				50	3.6	-15.979	-0.0092	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.3	12.732	0.0073	-2.5 to 2.5	Pass
					3.6	5.279	0.0030	-2.5 to 2.5	Pass
					4.2	-15.693	-0.0089	-2.5 to 2.5	Pass

				-30	3.6	-39.268	-0.0224	-2.5 to 2.5	Pass
				-20	3.6	-33.417	-0.0191	-2.5 to 2.5	Pass
				-10	3.6	-18.811	-0.0107	-2.5 to 2.5	Pass
				0	3.6	-17.266	-0.0098	-2.5 to 2.5	Pass
				10	3.6	-12.074	-0.0069	-2.5 to 2.5	Pass
				30	3.6	-21.286	-0.0121	-2.5 to 2.5	Pass
				40	3.6	-22.316	-0.0127	-2.5 to 2.5	Pass
				50	3.6	-36.535	-0.0208	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.3	-33.102	-0.0193	-2.5 to 2.5	Pass
					3.6	-23.632	-0.0138	-2.5 to 2.5	Pass
					4.2	-10.943	-0.0064	-2.5 to 2.5	Pass
				-30	3.6	-30.298	-0.0177	-2.5 to 2.5	Pass
				-20	3.6	-28.281	-0.0165	-2.5 to 2.5	Pass
				-10	3.6	-27.924	-0.0163	-2.5 to 2.5	Pass
				0	3.6	-21.615	-0.0126	-2.5 to 2.5	Pass
				10	3.6	-4.935	-0.0029	-2.5 to 2.5	Pass
				30	3.6	-36.521	-0.0213	-2.5 to 2.5	Pass
				40	3.6	-28.253	-0.0165	-2.5 to 2.5	Pass
				50	3.6	-17.710	-0.0103	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.3	-12.531	-0.0072	-2.5 to 2.5	Pass
					3.6	-30.098	-0.0174	-2.5 to 2.5	Pass
					4.2	-25.692	-0.0148	-2.5 to 2.5	Pass
				-30	3.6	-1.602	-0.0009	-2.5 to 2.5	Pass
				-20	3.6	-20.800	-0.0120	-2.5 to 2.5	Pass
				-10	3.6	-36.907	-0.0213	-2.5 to 2.5	Pass
				0	3.6	-19.426	-0.0112	-2.5 to 2.5	Pass
				10	3.6	-40.298	-0.0233	-2.5 to 2.5	Pass
				30	3.6	-23.603	-0.0136	-2.5 to 2.5	Pass
				40	3.6	-23.818	-0.0137	-2.5 to 2.5	Pass
				50	3.6	-19.612	-0.0113	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.3	-32.730	-0.0187	-2.5 to 2.5	Pass
					3.6	-11.630	-0.0066	-2.5 to 2.5	Pass
					4.2	-3.862	-0.0022	-2.5 to 2.5	Pass
				-30	3.6	-27.323	-0.0156	-2.5 to 2.5	Pass
				-20	3.6	-13.962	-0.0080	-2.5 to 2.5	Pass
				-10	3.6	-35.763	-0.0204	-2.5 to 2.5	Pass
				0	3.6	-7.424	-0.0042	-2.5 to 2.5	Pass
				10	3.6	-28.367	-0.0162	-2.5 to 2.5	Pass
				30	3.6	-6.452	-0.0037	-2.5 to 2.5	Pass
				40	3.6	-29.025	-0.0166	-2.5 to 2.5	Pass
				50	3.6	-43.459	-0.0248	-2.5 to 2.5	Pass

3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.3	33.960	0.0198	-2.5 to 2.5	Pass
					3.6	37.937	0.0222	-2.5 to 2.5	Pass
					4.2	33.660	0.0197	-2.5 to 2.5	Pass
				-30	3.6	26.479	0.0155	-2.5 to 2.5	Pass
				-20	3.6	17.080	0.0100	-2.5 to 2.5	Pass
				-10	3.6	7.911	0.0046	-2.5 to 2.5	Pass
				0	3.6	-3.605	-0.0021	-2.5 to 2.5	Pass
				10	3.6	-18.268	-0.0107	-2.5 to 2.5	Pass
				30	3.6	-31.114	-0.0182	-2.5 to 2.5	Pass
				40	3.6	6.738	0.0039	-2.5 to 2.5	Pass
				50	3.6	-6.952	-0.0041	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.3	-3.033	-0.0018	-2.5 to 2.5	Pass
					3.6	-7.339	-0.0042	-2.5 to 2.5	Pass
					4.2	-20.270	-0.0117	-2.5 to 2.5	Pass
				-30	3.6	-32.115	-0.0185	-2.5 to 2.5	Pass
				-20	3.6	-16.809	-0.0097	-2.5 to 2.5	Pass
				-10	3.6	-25.377	-0.0146	-2.5 to 2.5	Pass
				0	3.6	-40.398	-0.0233	-2.5 to 2.5	Pass
				10	3.6	-6.337	-0.0037	-2.5 to 2.5	Pass
				30	3.6	-21.243	-0.0123	-2.5 to 2.5	Pass
				40	3.6	-21.815	-0.0126	-2.5 to 2.5	Pass
				50	3.6	-14.920	-0.0086	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.3	13.018	0.0074	-2.5 to 2.5	Pass
					3.6	10.471	0.0060	-2.5 to 2.5	Pass
					4.2	2.847	0.0016	-2.5 to 2.5	Pass
				-30	3.6	-0.086	0.0000	-2.5 to 2.5	Pass
				-20	3.6	-5.493	-0.0031	-2.5 to 2.5	Pass
				-10	3.6	-12.603	-0.0072	-2.5 to 2.5	Pass
				0	3.6	-19.069	-0.0109	-2.5 to 2.5	Pass
				10	3.6	-28.510	-0.0163	-2.5 to 2.5	Pass
				30	3.6	-31.843	-0.0182	-2.5 to 2.5	Pass
				40	3.6	-22.631	-0.0129	-2.5 to 2.5	Pass
				50	3.6	-10.757	-0.0061	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.3	-21.787	-0.0127	-2.5 to 2.5	Pass
					3.6	-34.776	-0.0203	-2.5 to 2.5	Pass
					4.2	-7.324	-0.0043	-2.5 to 2.5	Pass
				-30	3.6	-16.394	-0.0096	-2.5 to 2.5	Pass
				-20	3.6	-24.977	-0.0146	-2.5 to 2.5	Pass
				-10	3.6	-35.262	-0.0206	-2.5 to 2.5	Pass
				0	3.6	-4.334	-0.0025	-2.5 to 2.5	Pass
				10	3.6	-12.975	-0.0076	-2.5 to 2.5	Pass
				30	3.6	-20.857	-0.0122	-2.5 to 2.5	Pass
				40	3.6	-29.840	-0.0174	-2.5 to 2.5	Pass
				50	3.6	-36.936	-0.0216	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.3	-35.405	-0.0204	-2.5 to 2.5	Pass
					3.6	-9.871	-0.0057	-2.5 to 2.5	Pass
					4.2	-20.700	-0.0119	-2.5 to 2.5	Pass

				-30	3.6	-28.353	-0.0164	-2.5 to 2.5	Pass
				-20	3.6	-7.710	-0.0045	-2.5 to 2.5	Pass
				-10	3.6	-18.826	-0.0109	-2.5 to 2.5	Pass
				0	3.6	-27.308	-0.0158	-2.5 to 2.5	Pass
				10	3.6	-18.253	-0.0105	-2.5 to 2.5	Pass
				30	3.6	-10.357	-0.0060	-2.5 to 2.5	Pass
				40	3.6	-20.185	-0.0117	-2.5 to 2.5	Pass
				50	3.6	-26.350	-0.0152	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.3	-15.407	-0.0088	-2.5 to 2.5	Pass
					3.6	-24.791	-0.0141	-2.5 to 2.5	Pass
					4.2	-29.111	-0.0166	-2.5 to 2.5	Pass
				-30	3.6	-32.816	-0.0187	-2.5 to 2.5	Pass
				-20	3.6	0.300	0.0002	-2.5 to 2.5	Pass
				-10	3.6	-5.050	-0.0029	-2.5 to 2.5	Pass
				0	3.6	-8.283	-0.0047	-2.5 to 2.5	Pass
				10	3.6	-10.443	-0.0060	-2.5 to 2.5	Pass
				30	3.6	-12.803	-0.0073	-2.5 to 2.5	Pass
				40	3.6	-17.452	-0.0100	-2.5 to 2.5	Pass
				50	3.6	-20.442	-0.0117	-2.5 to 2.5	Pass

3.4 B4_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.3	29.383	0.0171	-2.5 to 2.5	Pass
					3.6	27.881	0.0163	-2.5 to 2.5	Pass
					4.2	2.618	0.0015	-2.5 to 2.5	Pass
				-30	3.6	0.172	0.0001	-2.5 to 2.5	Pass
				-20	3.6	-7.153	-0.0042	-2.5 to 2.5	Pass
				-10	3.6	-8.726	-0.0051	-2.5 to 2.5	Pass
				0	3.6	-16.165	-0.0094	-2.5 to 2.5	Pass
				10	3.6	-21.744	-0.0127	-2.5 to 2.5	Pass
				30	3.6	-26.207	-0.0153	-2.5 to 2.5	Pass
				40	3.6	-31.257	-0.0182	-2.5 to 2.5	Pass
				50	3.6	-34.447	-0.0201	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.3	20.728	0.0120	-2.5 to 2.5	Pass
					3.6	18.353	0.0106	-2.5 to 2.5	Pass
					4.2	4.864	0.0028	-2.5 to 2.5	Pass
				-30	3.6	-8.569	-0.0049	-2.5 to 2.5	Pass
				-20	3.6	-25.849	-0.0149	-2.5 to 2.5	Pass
				-10	3.6	-35.892	-0.0207	-2.5 to 2.5	Pass
				0	3.6	-19.813	-0.0114	-2.5 to 2.5	Pass
				10	3.6	-20.700	-0.0119	-2.5 to 2.5	Pass
				30	3.6	-16.236	-0.0094	-2.5 to 2.5	Pass
				40	3.6	-29.726	-0.0172	-2.5 to 2.5	Pass
				50	3.6	-6.094	-0.0035	-2.5 to 2.5	Pass
	1750	50	0	20	3.3	-6.166	-0.0035	-2.5 to 2.5	Pass
					3.6	-5.550	-0.0032	-2.5 to 2.5	Pass
					4.2	-6.952	-0.0040	-2.5 to 2.5	Pass
				-30	3.6	-12.102	-0.0069	-2.5 to 2.5	Pass
				-20	3.6	-17.524	-0.0100	-2.5 to 2.5	Pass
				-10	3.6	-20.313	-0.0116	-2.5 to 2.5	Pass
				0	3.6	-24.819	-0.0142	-2.5 to 2.5	Pass
				10	3.6	-30.499	-0.0174	-2.5 to 2.5	Pass
				30	3.6	2.890	0.0017	-2.5 to 2.5	Pass
				40	3.6	7.882	0.0045	-2.5 to 2.5	Pass
				50	3.6	2.317	0.0013	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.3	-3.948	-0.0023	-2.5 to 2.5	Pass
					3.6	-8.440	-0.0049	-2.5 to 2.5	Pass
					4.2	-10.500	-0.0061	-2.5 to 2.5	Pass
				-30	3.6	-12.202	-0.0071	-2.5 to 2.5	Pass
				-20	3.6	-17.982	-0.0105	-2.5 to 2.5	Pass
				-10	3.6	-17.653	-0.0103	-2.5 to 2.5	Pass
				0	3.6	-17.095	-0.0100	-2.5 to 2.5	Pass
				10	3.6	-17.810	-0.0104	-2.5 to 2.5	Pass
				30	3.6	-20.671	-0.0121	-2.5 to 2.5	Pass
				40	3.6	-21.715	-0.0127	-2.5 to 2.5	Pass
				50	3.6	-23.146	-0.0135	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.3	-23.503	-0.0136	-2.5 to 2.5	Pass
					3.6	-32.444	-0.0187	-2.5 to 2.5	Pass
					4.2	-39.268	-0.0227	-2.5 to 2.5	Pass

				-30	3.6	-7.124	-0.0041	-2.5 to 2.5	Pass
				-20	3.6	-14.877	-0.0086	-2.5 to 2.5	Pass
				-10	3.6	-18.940	-0.0109	-2.5 to 2.5	Pass
				0	3.6	-24.505	-0.0141	-2.5 to 2.5	Pass
				10	3.6	-29.969	-0.0173	-2.5 to 2.5	Pass
				30	3.6	-34.475	-0.0199	-2.5 to 2.5	Pass
				40	3.6	-37.694	-0.0218	-2.5 to 2.5	Pass
				50	3.6	-42.200	-0.0244	-2.5 to 2.5	Pass
	1750	50	0	20	3.3	-2.961	-0.0017	-2.5 to 2.5	Pass
					3.6	-3.676	-0.0021	-2.5 to 2.5	Pass
					4.2	-3.920	-0.0022	-2.5 to 2.5	Pass
				-30	3.6	-4.635	-0.0026	-2.5 to 2.5	Pass
				-20	3.6	-6.709	-0.0038	-2.5 to 2.5	Pass
				-10	3.6	-8.440	-0.0048	-2.5 to 2.5	Pass
				0	3.6	-5.636	-0.0032	-2.5 to 2.5	Pass
				10	3.6	-7.081	-0.0040	-2.5 to 2.5	Pass
				30	3.6	-5.608	-0.0032	-2.5 to 2.5	Pass
				40	3.6	-8.383	-0.0048	-2.5 to 2.5	Pass
				50	3.6	-10.815	-0.0062	-2.5 to 2.5	Pass

3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.3	30.527	0.0178	-2.5 to 2.5	Pass
					3.6	-0.315	-0.0002	-2.5 to 2.5	Pass
					4.2	1.116	0.0006	-2.5 to 2.5	Pass
				-30	3.6	0.329	0.0002	-2.5 to 2.5	Pass
				-20	3.6	-3.104	-0.0018	-2.5 to 2.5	Pass
				-10	3.6	-2.832	-0.0016	-2.5 to 2.5	Pass
				0	3.6	-5.765	-0.0034	-2.5 to 2.5	Pass
				10	3.6	-8.540	-0.0050	-2.5 to 2.5	Pass
				30	3.6	-11.759	-0.0068	-2.5 to 2.5	Pass
				40	3.6	-17.366	-0.0101	-2.5 to 2.5	Pass
				50	3.6	-19.999	-0.0116	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.3	3.791	0.0022	-2.5 to 2.5	Pass
					3.6	0.658	0.0004	-2.5 to 2.5	Pass
					4.2	-10.028	-0.0058	-2.5 to 2.5	Pass
				-30	3.6	-22.073	-0.0127	-2.5 to 2.5	Pass
				-20	3.6	-33.574	-0.0194	-2.5 to 2.5	Pass
				-10	3.6	-43.001	-0.0248	-2.5 to 2.5	Pass
				0	3.6	-5.050	-0.0029	-2.5 to 2.5	Pass
				10	3.6	-17.166	-0.0099	-2.5 to 2.5	Pass
				30	3.6	-26.093	-0.0151	-2.5 to 2.5	Pass
				40	3.6	-35.405	-0.0204	-2.5 to 2.5	Pass
				50	3.6	-4.535	-0.0026	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.3	12.088	0.0069	-2.5 to 2.5	Pass
					3.6	12.174	0.0070	-2.5 to 2.5	Pass
					4.2	12.259	0.0070	-2.5 to 2.5	Pass
				-30	3.6	7.954	0.0046	-2.5 to 2.5	Pass
				-20	3.6	5.865	0.0034	-2.5 to 2.5	Pass
				-10	3.6	5.193	0.0030	-2.5 to 2.5	Pass

				0	3.6	-0.401	-0.0002	-2.5 to 2.5	Pass
				10	3.6	-3.633	-0.0021	-2.5 to 2.5	Pass
				30	3.6	-5.622	-0.0032	-2.5 to 2.5	Pass
				40	3.6	-8.426	-0.0048	-2.5 to 2.5	Pass
				50	3.6	-10.915	-0.0062	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.3	-21.129	-0.0123	-2.5 to 2.5	Pass
					3.6	-19.898	-0.0116	-2.5 to 2.5	Pass
					4.2	-24.433	-0.0142	-2.5 to 2.5	Pass
				-30	3.6	-24.004	-0.0140	-2.5 to 2.5	Pass
				-20	3.6	-20.657	-0.0120	-2.5 to 2.5	Pass
				-10	3.6	-21.200	-0.0123	-2.5 to 2.5	Pass
				0	3.6	-21.729	-0.0127	-2.5 to 2.5	Pass
				10	3.6	-19.670	-0.0115	-2.5 to 2.5	Pass
				30	3.6	-20.986	-0.0122	-2.5 to 2.5	Pass
				40	3.6	-19.112	-0.0111	-2.5 to 2.5	Pass
				50	3.6	-18.096	-0.0105	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.3	-15.278	-0.0088	-2.5 to 2.5	Pass
					3.6	-20.628	-0.0119	-2.5 to 2.5	Pass
					4.2	-27.123	-0.0157	-2.5 to 2.5	Pass
				-30	3.6	-30.127	-0.0174	-2.5 to 2.5	Pass
				-20	3.6	-35.148	-0.0203	-2.5 to 2.5	Pass
				-10	3.6	-39.196	-0.0226	-2.5 to 2.5	Pass
				0	3.6	-6.509	-0.0038	-2.5 to 2.5	Pass
				10	3.6	-9.527	-0.0055	-2.5 to 2.5	Pass
				30	3.6	-14.148	-0.0082	-2.5 to 2.5	Pass
				40	3.6	-15.879	-0.0092	-2.5 to 2.5	Pass
				50	3.6	-18.425	-0.0106	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.3	-15.693	-0.0090	-2.5 to 2.5	Pass
					3.6	-14.563	-0.0083	-2.5 to 2.5	Pass
					4.2	-12.889	-0.0074	-2.5 to 2.5	Pass
				-30	3.6	-12.074	-0.0069	-2.5 to 2.5	Pass
				-20	3.6	-12.560	-0.0072	-2.5 to 2.5	Pass
				-10	3.6	-12.488	-0.0071	-2.5 to 2.5	Pass
				0	3.6	-14.505	-0.0083	-2.5 to 2.5	Pass
				10	3.6	-10.700	-0.0061	-2.5 to 2.5	Pass
				30	3.6	-12.159	-0.0070	-2.5 to 2.5	Pass
				40	3.6	-9.913	-0.0057	-2.5 to 2.5	Pass
				50	3.6	-8.941	-0.0051	-2.5 to 2.5	Pass

3.6 B4_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.3	-4.420	-0.0026	-2.5 to 2.5	Pass
					3.6	-2.217	-0.0013	-2.5 to 2.5	Pass
					4.2	-3.390	-0.0020	-2.5 to 2.5	Pass
				-30	3.6	-7.710	-0.0045	-2.5 to 2.5	Pass
				-20	3.6	-14.920	-0.0087	-2.5 to 2.5	Pass
				-10	3.6	-21.544	-0.0125	-2.5 to 2.5	Pass
				0	3.6	-28.710	-0.0167	-2.5 to 2.5	Pass
				10	3.6	-32.144	-0.0187	-2.5 to 2.5	Pass
				30	3.6	-35.849	-0.0208	-2.5 to 2.5	Pass

				40	3.6	-40.512	-0.0236	-2.5 to 2.5	Pass
				50	3.6	2.961	0.0017	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.3	16.079	0.0093	-2.5 to 2.5	Pass
					3.6	9.470	0.0055	-2.5 to 2.5	Pass
					4.2	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	3.6	-10.657	-0.0062	-2.5 to 2.5	Pass
				-20	3.6	-23.232	-0.0134	-2.5 to 2.5	Pass
				-10	3.6	-32.144	-0.0186	-2.5 to 2.5	Pass
				0	3.6	-40.641	-0.0235	-2.5 to 2.5	Pass
				10	3.6	-12.460	-0.0072	-2.5 to 2.5	Pass
				30	3.6	-23.518	-0.0136	-2.5 to 2.5	Pass
				40	3.6	-28.725	-0.0166	-2.5 to 2.5	Pass
				50	3.6	-32.544	-0.0188	-2.5 to 2.5	Pass
	1745	100	0	20	3.3	19.341	0.0111	-2.5 to 2.5	Pass
					3.6	19.584	0.0112	-2.5 to 2.5	Pass
					4.2	17.095	0.0098	-2.5 to 2.5	Pass
				-30	3.6	10.300	0.0059	-2.5 to 2.5	Pass
				-20	3.6	6.137	0.0035	-2.5 to 2.5	Pass
				-10	3.6	4.091	0.0023	-2.5 to 2.5	Pass
				0	3.6	-0.601	-0.0003	-2.5 to 2.5	Pass
				10	3.6	-3.576	-0.0020	-2.5 to 2.5	Pass
				30	3.6	-6.523	-0.0037	-2.5 to 2.5	Pass
				40	3.6	-10.085	-0.0058	-2.5 to 2.5	Pass
				50	3.6	-16.937	-0.0097	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.3	-3.219	-0.0019	-2.5 to 2.5	Pass
					3.6	-4.349	-0.0025	-2.5 to 2.5	Pass
					4.2	-1.230	-0.0007	-2.5 to 2.5	Pass
				-30	3.6	1.345	0.0008	-2.5 to 2.5	Pass
				-20	3.6	0.229	0.0001	-2.5 to 2.5	Pass
				-10	3.6	2.661	0.0015	-2.5 to 2.5	Pass
				0	3.6	3.891	0.0023	-2.5 to 2.5	Pass
				10	3.6	2.289	0.0013	-2.5 to 2.5	Pass
				30	3.6	7.467	0.0043	-2.5 to 2.5	Pass
				40	3.6	4.506	0.0026	-2.5 to 2.5	Pass
				50	3.6	3.891	0.0023	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.3	-8.426	-0.0049	-2.5 to 2.5	Pass
					3.6	-10.772	-0.0062	-2.5 to 2.5	Pass
					4.2	-9.599	-0.0055	-2.5 to 2.5	Pass
				-30	3.6	-10.772	-0.0062	-2.5 to 2.5	Pass
				-20	3.6	-11.673	-0.0067	-2.5 to 2.5	Pass
				-10	3.6	-14.091	-0.0081	-2.5 to 2.5	Pass
				0	3.6	-14.133	-0.0082	-2.5 to 2.5	Pass
				10	3.6	-15.764	-0.0091	-2.5 to 2.5	Pass
				30	3.6	-17.452	-0.0101	-2.5 to 2.5	Pass
				40	3.6	-18.969	-0.0109	-2.5 to 2.5	Pass
				50	3.6	-22.802	-0.0132	-2.5 to 2.5	Pass
	1745	100	0	20	3.3	-20.127	-0.0115	-2.5 to 2.5	Pass
					3.6	-17.610	-0.0101	-2.5 to 2.5	Pass
					4.2	-15.707	-0.0090	-2.5 to 2.5	Pass
				-30	3.6	-13.375	-0.0077	-2.5 to 2.5	Pass
				-20	3.6	-13.433	-0.0077	-2.5 to 2.5	Pass
				-10	3.6	-12.274	-0.0070	-2.5 to 2.5	Pass
				0	3.6	-10.300	-0.0059	-2.5 to 2.5	Pass
				10	3.6	-8.669	-0.0050	-2.5 to 2.5	Pass
				30	3.6	-9.928	-0.0057	-2.5 to 2.5	Pass
				40	3.6	-8.011	-0.0046	-2.5 to 2.5	Pass
				50	3.6	-8.698	-0.0050	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B40a_5MHz

4.1.1 Test Result

Band: 40a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2307.5	25	0	20	3.3	29.769	0.0129	-2.5 to 2.5	Pass
					3.6	21.973	0.0095	-2.5 to 2.5	Pass
					4.2	20.585	0.0089	-2.5 to 2.5	Pass
				-30	3.6	1.860	0.0008	-2.5 to 2.5	Pass
				-20	3.6	-4.120	-0.0018	-2.5 to 2.5	Pass
				-10	3.6	-22.073	-0.0096	-2.5 to 2.5	Pass
				0	3.6	-22.044	-0.0096	-2.5 to 2.5	Pass
				10	3.6	-37.665	-0.0163	-2.5 to 2.5	Pass
				30	3.6	-34.633	-0.0150	-2.5 to 2.5	Pass
				40	3.6	-39.039	-0.0169	-2.5 to 2.5	Pass
				50	3.6	-44.246	-0.0192	-2.5 to 2.5	Pass
	2310	25	0	20	3.3	2.518	0.0011	-2.5 to 2.5	Pass
					3.6	11.487	0.0050	-2.5 to 2.5	Pass
					4.2	-5.364	-0.0023	-2.5 to 2.5	Pass
				-30	3.6	-24.076	-0.0104	-2.5 to 2.5	Pass
				-20	3.6	-45.190	-0.0196	-2.5 to 2.5	Pass
				-10	3.6	-11.888	-0.0051	-2.5 to 2.5	Pass
				0	3.6	-27.008	-0.0117	-2.5 to 2.5	Pass
				10	3.6	-43.416	-0.0188	-2.5 to 2.5	Pass
				30	3.6	-9.527	-0.0041	-2.5 to 2.5	Pass
				40	3.6	-21.272	-0.0092	-2.5 to 2.5	Pass
				50	3.6	-33.460	-0.0145	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.3	4.249	0.0018	-2.5 to 2.5	Pass
					3.6	12.259	0.0053	-2.5 to 2.5	Pass
					4.2	-2.532	-0.0011	-2.5 to 2.5	Pass
				-30	3.6	-31.886	-0.0138	-2.5 to 2.5	Pass
				-20	3.6	-5.035	-0.0022	-2.5 to 2.5	Pass
				-10	3.6	-29.039	-0.0126	-2.5 to 2.5	Pass
				0	3.6	-47.736	-0.0206	-2.5 to 2.5	Pass
				10	3.6	-19.112	-0.0083	-2.5 to 2.5	Pass
				30	3.6	-31.071	-0.0134	-2.5 to 2.5	Pass
				40	3.6	-47.379	-0.0205	-2.5 to 2.5	Pass
				50	3.6	-10.657	-0.0046	-2.5 to 2.5	Pass
16QAM	2307.5	25	0	20	3.3	-16.766	-0.0073	-2.5 to 2.5	Pass
					3.6	16.522	0.0072	-2.5 to 2.5	Pass
					4.2	27.037	0.0117	-2.5 to 2.5	Pass
				-30	3.6	30.999	0.0134	-2.5 to 2.5	Pass
				-20	3.6	40.383	0.0175	-2.5 to 2.5	Pass
				-10	3.6	-7.739	-0.0034	-2.5 to 2.5	Pass
				0	3.6	-9.871	-0.0043	-2.5 to 2.5	Pass
				10	3.6	-0.930	-0.0004	-2.5 to 2.5	Pass
				30	3.6	15.335	0.0066	-2.5 to 2.5	Pass
				40	3.6	23.618	0.0102	-2.5 to 2.5	Pass
				50	3.6	25.778	0.0112	-2.5 to 2.5	Pass

	2310	25	0	20	3.3	24.934	0.0108	-2.5 to 2.5	Pass
					3.6	16.408	0.0071	-2.5 to 2.5	Pass
					4.2	9.584	0.0041	-2.5 to 2.5	Pass
				-30	3.6	17.681	0.0077	-2.5 to 2.5	Pass
				-20	3.6	21.715	0.0094	-2.5 to 2.5	Pass
				-10	3.6	23.389	0.0101	-2.5 to 2.5	Pass
				0	3.6	29.869	0.0129	-2.5 to 2.5	Pass
				10	3.6	34.189	0.0148	-2.5 to 2.5	Pass
				30	3.6	37.651	0.0163	-2.5 to 2.5	Pass
				40	3.6	46.363	0.0201	-2.5 to 2.5	Pass
				50	3.6	-12.875	-0.0056	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.3	-9.255	-0.0040	-2.5 to 2.5	Pass
					3.6	8.268	0.0036	-2.5 to 2.5	Pass
					4.2	13.118	0.0057	-2.5 to 2.5	Pass
				-30	3.6	19.484	0.0084	-2.5 to 2.5	Pass
				-20	3.6	22.473	0.0097	-2.5 to 2.5	Pass
				-10	3.6	20.628	0.0089	-2.5 to 2.5	Pass
				0	3.6	24.276	0.0105	-2.5 to 2.5	Pass
				10	3.6	25.320	0.0109	-2.5 to 2.5	Pass
				30	3.6	27.022	0.0117	-2.5 to 2.5	Pass
				40	3.6	30.227	0.0131	-2.5 to 2.5	Pass
				50	3.6	30.813	0.0133	-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	3.3	36.664	0.0159	-2.5 to 2.5	Pass
					3.6	31.657	0.0137	-2.5 to 2.5	Pass
					4.2	9.699	0.0042	-2.5 to 2.5	Pass
				-30	3.6	-20.485	-0.0089	-2.5 to 2.5	Pass
				-20	3.6	-16.065	-0.0070	-2.5 to 2.5	Pass
				-10	3.6	-48.065	-0.0208	-2.5 to 2.5	Pass
				0	3.6	-8.311	-0.0036	-2.5 to 2.5	Pass
				10	3.6	-27.008	-0.0117	-2.5 to 2.5	Pass
				30	3.6	-45.261	-0.0196	-2.5 to 2.5	Pass
				40	3.6	-30.055	-0.0130	-2.5 to 2.5	Pass
				50	3.6	-37.565	-0.0163	-2.5 to 2.5	Pass
16QAM	2310	50	0	20	3.3	-2.532	-0.0011	-2.5 to 2.5	Pass
					3.6	15.135	0.0066	-2.5 to 2.5	Pass
					4.2	21.901	0.0095	-2.5 to 2.5	Pass
				-30	3.6	29.712	0.0129	-2.5 to 2.5	Pass
				-20	3.6	30.670	0.0133	-2.5 to 2.5	Pass
				-10	3.6	25.249	0.0109	-2.5 to 2.5	Pass
				0	3.6	29.883	0.0129	-2.5 to 2.5	Pass
				10	3.6	31.343	0.0136	-2.5 to 2.5	Pass
				30	3.6	35.148	0.0152	-2.5 to 2.5	Pass
				40	3.6	37.007	0.0160	-2.5 to 2.5	Pass
				50	3.6	38.424	0.0166	-2.5 to 2.5	Pass

5. Frequency Stability

5.1 B40b_5MHz

5.1.1 Test Result

Band: 40b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2352.5	25	0	20	3.3	21.858	0.0093	-2.5 to 2.5	Pass
					3.6	43.817	0.0186	-2.5 to 2.5	Pass
					4.2	10.400	0.0044	-2.5 to 2.5	Pass
				-30	3.6	19.712	0.0084	-2.5 to 2.5	Pass
				-20	3.6	24.576	0.0104	-2.5 to 2.5	Pass
				-10	3.6	35.849	0.0152	-2.5 to 2.5	Pass
				0	3.6	46.849	0.0199	-2.5 to 2.5	Pass
				10	3.6	-6.995	-0.0030	-2.5 to 2.5	Pass
				30	3.6	-1.903	-0.0008	-2.5 to 2.5	Pass
				40	3.6	5.693	0.0024	-2.5 to 2.5	Pass
				50	3.6	13.404	0.0057	-2.5 to 2.5	Pass
	2355	25	0	20	3.3	-16.336	-0.0069	-2.5 to 2.5	Pass
					3.6	12.374	0.0053	-2.5 to 2.5	Pass
					4.2	21.815	0.0093	-2.5 to 2.5	Pass
				-30	3.6	21.601	0.0092	-2.5 to 2.5	Pass
				-20	3.6	34.447	0.0146	-2.5 to 2.5	Pass
				-10	3.6	31.528	0.0134	-2.5 to 2.5	Pass
				0	3.6	38.052	0.0162	-2.5 to 2.5	Pass
				10	3.6	-0.644	-0.0003	-2.5 to 2.5	Pass
				30	3.6	-2.561	-0.0011	-2.5 to 2.5	Pass
				40	3.6	0.787	0.0003	-2.5 to 2.5	Pass
				50	3.6	5.651	0.0024	-2.5 to 2.5	Pass
	2357.5	25	0	20	3.3	-3.834	-0.0016	-2.5 to 2.5	Pass
					3.6	17.595	0.0075	-2.5 to 2.5	Pass
					4.2	25.721	0.0109	-2.5 to 2.5	Pass
				-30	3.6	35.820	0.0152	-2.5 to 2.5	Pass
				-20	3.6	32.802	0.0139	-2.5 to 2.5	Pass
				-10	3.6	43.502	0.0185	-2.5 to 2.5	Pass
				0	3.6	40.040	0.0170	-2.5 to 2.5	Pass
				10	3.6	43.859	0.0186	-2.5 to 2.5	Pass
				30	3.6	9.756	0.0041	-2.5 to 2.5	Pass
				40	3.6	16.751	0.0071	-2.5 to 2.5	Pass
				50	3.6	13.289	0.0056	-2.5 to 2.5	Pass
16QAM	2352.5	25	0	20	3.3	2.060	0.0009	-2.5 to 2.5	Pass
					3.6	28.739	0.0122	-2.5 to 2.5	Pass
					4.2	-7.639	-0.0032	-2.5 to 2.5	Pass
				-30	3.6	6.652	0.0028	-2.5 to 2.5	Pass
				-20	3.6	23.890	0.0102	-2.5 to 2.5	Pass
				-10	3.6	39.897	0.0170	-2.5 to 2.5	Pass
				0	3.6	2.618	0.0011	-2.5 to 2.5	Pass
				10	3.6	21.486	0.0091	-2.5 to 2.5	Pass
				30	3.6	37.622	0.0160	-2.5 to 2.5	Pass
				40	3.6	34.432	0.0146	-2.5 to 2.5	Pass
				50	3.6	14.720	0.0063	-2.5 to 2.5	Pass
	2355	25	0	20	3.3	15.135	0.0064	-2.5 to 2.5	Pass
					3.6	47.693	0.0203	-2.5 to 2.5	Pass

					4.2	12.460	0.0053	-2.5 to 2.5	Pass
				-30	3.6	29.011	0.0123	-2.5 to 2.5	Pass
				-20	3.6	38.953	0.0165	-2.5 to 2.5	Pass
				-10	3.6	-9.584	-0.0041	-2.5 to 2.5	Pass
				0	3.6	5.364	0.0023	-2.5 to 2.5	Pass
				10	3.6	12.403	0.0053	-2.5 to 2.5	Pass
				30	3.6	22.974	0.0098	-2.5 to 2.5	Pass
				40	3.6	36.535	0.0155	-2.5 to 2.5	Pass
				50	3.6	-3.605	-0.0015	-2.5 to 2.5	Pass
	2357.5	25	0	20	3.3	-8.154	-0.0035	-2.5 to 2.5	Pass
					3.6	16.909	0.0072	-2.5 to 2.5	Pass
					4.2	36.936	0.0157	-2.5 to 2.5	Pass
				-30	3.6	3.834	0.0016	-2.5 to 2.5	Pass
				-20	3.6	18.597	0.0079	-2.5 to 2.5	Pass
				-10	3.6	30.169	0.0128	-2.5 to 2.5	Pass
				0	3.6	46.177	0.0196	-2.5 to 2.5	Pass
				10	3.6	-4.935	-0.0021	-2.5 to 2.5	Pass
				30	3.6	12.045	0.0051	-2.5 to 2.5	Pass
				40	3.6	23.761	0.0101	-2.5 to 2.5	Pass
				50	3.6	25.907	0.0110	-2.5 to 2.5	Pass

5.2 B40b_10MHz

5.2.1 Test Result

Band: 40b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2355	50	0	20	3.3	12.360	0.0052	-2.5 to 2.5	Pass
					3.6	32.773	0.0139	-2.5 to 2.5	Pass
					4.2	36.635	0.0156	-2.5 to 2.5	Pass
				-30	3.6	1.330	0.0006	-2.5 to 2.5	Pass
				-20	3.6	1.516	0.0006	-2.5 to 2.5	Pass
				-10	3.6	4.892	0.0021	-2.5 to 2.5	Pass
				0	3.6	6.008	0.0026	-2.5 to 2.5	Pass
				10	3.6	12.188	0.0052	-2.5 to 2.5	Pass
				30	3.6	20.943	0.0089	-2.5 to 2.5	Pass
				40	3.6	24.462	0.0104	-2.5 to 2.5	Pass
				50	3.6	28.868	0.0123	-2.5 to 2.5	Pass
16QAM	2355	50	0	20	3.3	2.747	0.0012	-2.5 to 2.5	Pass
					3.6	27.223	0.0116	-2.5 to 2.5	Pass
					4.2	1.559	0.0007	-2.5 to 2.5	Pass
				-30	3.6	26.064	0.0111	-2.5 to 2.5	Pass
				-20	3.6	34.804	0.0148	-2.5 to 2.5	Pass
				-10	3.6	16.508	0.0070	-2.5 to 2.5	Pass
				0	3.6	27.151	0.0115	-2.5 to 2.5	Pass
				10	3.6	46.577	0.0198	-2.5 to 2.5	Pass
				30	3.6	-7.911	-0.0034	-2.5 to 2.5	Pass
				40	3.6	-4.764	-0.0020	-2.5 to 2.5	Pass
				50	3.6	9.441	0.0040	-2.5 to 2.5	Pass

6. Frequency Stability

6.1 B41_5MHz

6.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.3	7.882	0.0032	-2.5 to 2.5	Pass
					3.6	33.517	0.0134	-2.5 to 2.5	Pass
					4.2	4.535	0.0018	-2.5 to 2.5	Pass
				-30	3.6	-38.095	-0.0152	-2.5 to 2.5	Pass
				-20	3.6	-22.759	-0.0091	-2.5 to 2.5	Pass
				-10	3.6	-16.751	-0.0067	-2.5 to 2.5	Pass
				0	3.6	-14.277	-0.0057	-2.5 to 2.5	Pass
				10	3.6	-24.490	-0.0098	-2.5 to 2.5	Pass
				30	3.6	-41.957	-0.0168	-2.5 to 2.5	Pass
				40	3.6	-8.140	-0.0033	-2.5 to 2.5	Pass
				50	3.6	-36.306	-0.0145	-2.5 to 2.5	Pass
	2593	25	0	20	3.3	9.127	0.0035	-2.5 to 2.5	Pass
					3.6	27.452	0.0106	-2.5 to 2.5	Pass
					4.2	36.163	0.0139	-2.5 to 2.5	Pass
				-30	3.6	-11.716	-0.0045	-2.5 to 2.5	Pass
				-20	3.6	-7.253	-0.0028	-2.5 to 2.5	Pass
				-10	3.6	-1.845	-0.0007	-2.5 to 2.5	Pass
				0	3.6	-1.674	-0.0006	-2.5 to 2.5	Pass
				10	3.6	4.892	0.0019	-2.5 to 2.5	Pass
				30	3.6	11.015	0.0042	-2.5 to 2.5	Pass
				40	3.6	13.733	0.0053	-2.5 to 2.5	Pass
				50	3.6	21.243	0.0082	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.3	16.637	0.0062	-2.5 to 2.5	Pass
					3.6	23.375	0.0087	-2.5 to 2.5	Pass
					4.2	7.954	0.0030	-2.5 to 2.5	Pass
				-30	3.6	-11.616	-0.0043	-2.5 to 2.5	Pass
				-20	3.6	-29.211	-0.0109	-2.5 to 2.5	Pass
				-10	3.6	-14.105	-0.0052	-2.5 to 2.5	Pass
				0	3.6	-5.064	-0.0019	-2.5 to 2.5	Pass
				10	3.6	-16.451	-0.0061	-2.5 to 2.5	Pass
				30	3.6	-34.461	-0.0128	-2.5 to 2.5	Pass
				40	3.6	-51.942	-0.0193	-2.5 to 2.5	Pass
				50	3.6	-21.257	-0.0079	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.3	-0.014	0.0000	-2.5 to 2.5	Pass
					3.6	-14.176	-0.0057	-2.5 to 2.5	Pass
					4.2	-16.479	-0.0066	-2.5 to 2.5	Pass
				-30	3.6	-11.387	-0.0046	-2.5 to 2.5	Pass
				-20	3.6	-19.083	-0.0076	-2.5 to 2.5	Pass
				-10	3.6	-19.140	-0.0077	-2.5 to 2.5	Pass
				0	3.6	-14.834	-0.0059	-2.5 to 2.5	Pass
				10	3.6	-20.127	-0.0081	-2.5 to 2.5	Pass
				30	3.6	-17.653	-0.0071	-2.5 to 2.5	Pass
				40	3.6	-22.831	-0.0091	-2.5 to 2.5	Pass
				50	3.6	-24.219	-0.0097	-2.5 to 2.5	Pass
	2593	25	0	20	3.3	25.506	0.0098	-2.5 to 2.5	Pass
					3.6	33.073	0.0128	-2.5 to 2.5	Pass
					4.2	47.922	0.0185	-2.5 to 2.5	Pass
				-30	3.6	22.988	0.0089	-2.5 to 2.5	Pass
				-20	3.6	35.291	0.0136	-2.5 to 2.5	Pass

				-10	3.6	38.409	0.0148	-2.5 to 2.5	Pass
				0	3.6	29.998	0.0116	-2.5 to 2.5	Pass
				10	3.6	39.024	0.0150	-2.5 to 2.5	Pass
				30	3.6	45.218	0.0174	-2.5 to 2.5	Pass
				40	3.6	-1.988	-0.0008	-2.5 to 2.5	Pass
				50	3.6	10.028	0.0039	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.3	-29.612	-0.0110	-2.5 to 2.5	Pass
					3.6	-32.115	-0.0119	-2.5 to 2.5	Pass
					4.2	-25.234	-0.0094	-2.5 to 2.5	Pass
				-30	3.6	-17.996	-0.0067	-2.5 to 2.5	Pass
				-20	3.6	-5.765	-0.0021	-2.5 to 2.5	Pass
				-10	3.6	-0.215	-0.0001	-2.5 to 2.5	Pass
				0	3.6	10.214	0.0038	-2.5 to 2.5	Pass
				10	3.6	14.849	0.0055	-2.5 to 2.5	Pass
				30	3.6	16.093	0.0060	-2.5 to 2.5	Pass
				40	3.6	21.257	0.0079	-2.5 to 2.5	Pass
				50	3.6	28.210	0.0105	-2.5 to 2.5	Pass

6.2 B41_10MHz

6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.3	39.954	0.0160	-2.5 to 2.5	Pass
					3.6	-22.030	-0.0088	-2.5 to 2.5	Pass
					4.2	-35.248	-0.0141	-2.5 to 2.5	Pass
				-30	3.6	-6.595	-0.0026	-2.5 to 2.5	Pass
				-20	3.6	-47.979	-0.0192	-2.5 to 2.5	Pass
				-10	3.6	-34.661	-0.0139	-2.5 to 2.5	Pass
				0	3.6	-49.152	-0.0197	-2.5 to 2.5	Pass
				10	3.6	-24.405	-0.0098	-2.5 to 2.5	Pass
				30	3.6	-48.637	-0.0194	-2.5 to 2.5	Pass
				40	3.6	-33.774	-0.0135	-2.5 to 2.5	Pass
				50	3.6	-38.052	-0.0152	-2.5 to 2.5	Pass
	2593	50	0	20	3.3	3.877	0.0015	-2.5 to 2.5	Pass
					3.6	30.270	0.0117	-2.5 to 2.5	Pass
					4.2	39.096	0.0151	-2.5 to 2.5	Pass
				-30	3.6	46.477	0.0179	-2.5 to 2.5	Pass
				-20	3.6	11.001	0.0042	-2.5 to 2.5	Pass
				-10	3.6	16.537	0.0064	-2.5 to 2.5	Pass
				0	3.6	17.653	0.0068	-2.5 to 2.5	Pass
				10	3.6	20.657	0.0080	-2.5 to 2.5	Pass
				30	3.6	25.835	0.0100	-2.5 to 2.5	Pass
				40	3.6	28.653	0.0111	-2.5 to 2.5	Pass
				50	3.6	31.300	0.0121	-2.5 to 2.5	Pass
	2685	50	0	20	3.3	-12.460	-0.0046	-2.5 to 2.5	Pass
					3.6	6.580	0.0025	-2.5 to 2.5	Pass
					4.2	-20.113	-0.0075	-2.5 to 2.5	Pass
				-30	3.6	-46.163	-0.0172	-2.5 to 2.5	Pass
				-20	3.6	-18.396	-0.0069	-2.5 to 2.5	Pass
				-10	3.6	-30.813	-0.0115	-2.5 to 2.5	Pass
				0	3.6	-30.227	-0.0113	-2.5 to 2.5	Pass
				10	3.6	-18.711	-0.0070	-2.5 to 2.5	Pass

				30	3.6	-35.777	-0.0133	-2.5 to 2.5	Pass
				40	3.6	-39.196	-0.0146	-2.5 to 2.5	Pass
				50	3.6	-3.018	-0.0011	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	3.3	-52.900	-0.0212	-2.5 to 2.5	Pass
					3.6	-55.919	-0.0224	-2.5 to 2.5	Pass
					4.2	-36.349	-0.0145	-2.5 to 2.5	Pass
				-30	3.6	-34.504	-0.0138	-2.5 to 2.5	Pass
				-20	3.6	-25.692	-0.0103	-2.5 to 2.5	Pass
				-10	3.6	-9.441	-0.0038	-2.5 to 2.5	Pass
				0	3.6	-4.048	-0.0016	-2.5 to 2.5	Pass
				10	3.6	-5.965	-0.0024	-2.5 to 2.5	Pass
				30	3.6	-0.458	-0.0002	-2.5 to 2.5	Pass
				40	3.6	11.745	0.0047	-2.5 to 2.5	Pass
				50	3.6	4.692	0.0019	-2.5 to 2.5	Pass
	2593	50	0	20	3.3	32.830	0.0127	-2.5 to 2.5	Pass
					3.6	45.419	0.0175	-2.5 to 2.5	Pass
					4.2	16.494	0.0064	-2.5 to 2.5	Pass
				-30	3.6	41.041	0.0158	-2.5 to 2.5	Pass
				-20	3.6	20.785	0.0080	-2.5 to 2.5	Pass
				-10	3.6	40.956	0.0158	-2.5 to 2.5	Pass
				0	3.6	-6.280	-0.0024	-2.5 to 2.5	Pass
				10	3.6	12.560	0.0048	-2.5 to 2.5	Pass
				30	3.6	25.806	0.0100	-2.5 to 2.5	Pass
				40	3.6	43.302	0.0167	-2.5 to 2.5	Pass
				50	3.6	-5.150	-0.0020	-2.5 to 2.5	Pass
	2685	50	0	20	3.3	-11.044	-0.0041	-2.5 to 2.5	Pass
					3.6	-13.633	-0.0051	-2.5 to 2.5	Pass
					4.2	-5.836	-0.0022	-2.5 to 2.5	Pass
				-30	3.6	3.920	0.0015	-2.5 to 2.5	Pass
				-20	3.6	-1.745	-0.0006	-2.5 to 2.5	Pass
				-10	3.6	17.738	0.0066	-2.5 to 2.5	Pass
				0	3.6	23.417	0.0087	-2.5 to 2.5	Pass
				10	3.6	19.598	0.0073	-2.5 to 2.5	Pass
				30	3.6	34.804	0.0130	-2.5 to 2.5	Pass
				40	3.6	40.441	0.0151	-2.5 to 2.5	Pass
				50	3.6	30.785	0.0115	-2.5 to 2.5	Pass

6.3 B41_15MHz

6.3.1 Test Result

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	3.3	34.046	0.0136	-2.5 to 2.5	Pass
					3.6	0.558	0.0002	-2.5 to 2.5	Pass
					4.2	3.576	0.0014	-2.5 to 2.5	Pass
				-30	3.6	-19.813	-0.0079	-2.5 to 2.5	Pass
				-20	3.6	-47.135	-0.0188	-2.5 to 2.5	Pass
				-10	3.6	-14.963	-0.0060	-2.5 to 2.5	Pass
				0	3.6	-28.167	-0.0113	-2.5 to 2.5	Pass
				10	3.6	-42.872	-0.0171	-2.5 to 2.5	Pass
				30	3.6	-27.623	-0.0110	-2.5 to 2.5	Pass
				40	3.6	-38.309	-0.0153	-2.5 to 2.5	Pass
				50	3.6	-39.196	-0.0157	-2.5 to 2.5	Pass

	2593	75	0	20	3.3	12.174	0.0047	-2.5 to 2.5	Pass
					3.6	31.586	0.0122	-2.5 to 2.5	Pass
					4.2	30.570	0.0118	-2.5 to 2.5	Pass
				-30	3.6	25.234	0.0097	-2.5 to 2.5	Pass
				-20	3.6	24.605	0.0095	-2.5 to 2.5	Pass
				-10	3.6	17.781	0.0069	-2.5 to 2.5	Pass
				0	3.6	13.976	0.0054	-2.5 to 2.5	Pass
				10	3.6	15.020	0.0058	-2.5 to 2.5	Pass
				30	3.6	13.461	0.0052	-2.5 to 2.5	Pass
				40	3.6	14.548	0.0056	-2.5 to 2.5	Pass
				50	3.6	13.146	0.0051	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.3	-9.270	-0.0035	-2.5 to 2.5	Pass
					3.6	-0.558	-0.0002	-2.5 to 2.5	Pass
					4.2	-32.287	-0.0120	-2.5 to 2.5	Pass
				-30	3.6	-7.052	-0.0026	-2.5 to 2.5	Pass
				-20	3.6	-17.152	-0.0064	-2.5 to 2.5	Pass
				-10	3.6	-41.084	-0.0153	-2.5 to 2.5	Pass
				0	3.6	-19.097	-0.0071	-2.5 to 2.5	Pass
				10	3.6	-36.263	-0.0135	-2.5 to 2.5	Pass
				30	3.6	-14.091	-0.0053	-2.5 to 2.5	Pass
				40	3.6	2.189	0.0008	-2.5 to 2.5	Pass
				50	3.6	-6.752	-0.0025	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.3	-5.493	-0.0022	-2.5 to 2.5	Pass
					3.6	10.185	0.0041	-2.5 to 2.5	Pass
					4.2	22.359	0.0089	-2.5 to 2.5	Pass
				-30	3.6	36.550	0.0146	-2.5 to 2.5	Pass
				-20	3.6	-3.147	-0.0013	-2.5 to 2.5	Pass
				-10	3.6	-1.788	-0.0007	-2.5 to 2.5	Pass
				0	3.6	17.252	0.0069	-2.5 to 2.5	Pass
				10	3.6	17.366	0.0069	-2.5 to 2.5	Pass
				30	3.6	26.436	0.0106	-2.5 to 2.5	Pass
				40	3.6	40.126	0.0160	-2.5 to 2.5	Pass
				50	3.6	38.366	0.0153	-2.5 to 2.5	Pass
	2593	75	0	20	3.3	16.050	0.0062	-2.5 to 2.5	Pass
					3.6	22.559	0.0087	-2.5 to 2.5	Pass
					4.2	37.050	0.0143	-2.5 to 2.5	Pass
				-30	3.6	20.914	0.0081	-2.5 to 2.5	Pass
				-20	3.6	33.274	0.0128	-2.5 to 2.5	Pass
				-10	3.6	-9.012	-0.0035	-2.5 to 2.5	Pass
				0	3.6	3.548	0.0014	-2.5 to 2.5	Pass
				10	3.6	15.750	0.0061	-2.5 to 2.5	Pass
				30	3.6	24.605	0.0095	-2.5 to 2.5	Pass
				40	3.6	40.798	0.0157	-2.5 to 2.5	Pass
				50	3.6	-11.659	-0.0045	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.3	-20.299	-0.0076	-2.5 to 2.5	Pass
					3.6	-13.275	-0.0049	-2.5 to 2.5	Pass
					4.2	-6.752	-0.0025	-2.5 to 2.5	Pass
				-30	3.6	4.764	0.0018	-2.5 to 2.5	Pass
				-20	3.6	15.578	0.0058	-2.5 to 2.5	Pass
				-10	3.6	20.285	0.0076	-2.5 to 2.5	Pass
				0	3.6	26.851	0.0100	-2.5 to 2.5	Pass
				10	3.6	37.394	0.0139	-2.5 to 2.5	Pass
				30	3.6	45.319	0.0169	-2.5 to 2.5	Pass
				40	3.6	-16.108	-0.0060	-2.5 to 2.5	Pass
				50	3.6	-8.826	-0.0033	-2.5 to 2.5	Pass

6.4 B41_20MHz

6.4.1 Test Result

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.3	15.063	0.0060	-2.5 to 2.5	Pass
					3.6	9.842	0.0039	-2.5 to 2.5	Pass
					4.2	7.396	0.0030	-2.5 to 2.5	Pass
				-30	3.6	-14.362	-0.0057	-2.5 to 2.5	Pass
				-20	3.6	-31.443	-0.0125	-2.5 to 2.5	Pass
				-10	3.6	-48.394	-0.0193	-2.5 to 2.5	Pass
				0	3.6	-36.478	-0.0146	-2.5 to 2.5	Pass
				10	3.6	-43.631	-0.0174	-2.5 to 2.5	Pass
				30	3.6	-48.323	-0.0193	-2.5 to 2.5	Pass
				40	3.6	-45.147	-0.0180	-2.5 to 2.5	Pass
				50	3.6	-33.145	-0.0132	-2.5 to 2.5	Pass
	2593	100	0	20	3.3	18.883	0.0073	-2.5 to 2.5	Pass
					3.6	32.802	0.0127	-2.5 to 2.5	Pass
					4.2	26.207	0.0101	-2.5 to 2.5	Pass
				-30	3.6	10.743	0.0041	-2.5 to 2.5	Pass
				-20	3.6	3.963	0.0015	-2.5 to 2.5	Pass
				-10	3.6	-4.921	-0.0019	-2.5 to 2.5	Pass
				0	3.6	-11.845	-0.0046	-2.5 to 2.5	Pass
				10	3.6	-19.183	-0.0074	-2.5 to 2.5	Pass
				30	3.6	-25.191	-0.0097	-2.5 to 2.5	Pass
				40	3.6	-25.692	-0.0099	-2.5 to 2.5	Pass
				50	3.6	-29.039	-0.0112	-2.5 to 2.5	Pass
	2680	100	0	20	3.3	23.103	0.0086	-2.5 to 2.5	Pass
					3.6	20.385	0.0076	-2.5 to 2.5	Pass
					4.2	-16.365	-0.0061	-2.5 to 2.5	Pass
				-30	3.6	-39.439	-0.0147	-2.5 to 2.5	Pass
				-20	3.6	-41.728	-0.0156	-2.5 to 2.5	Pass
				-10	3.6	-1.531	-0.0006	-2.5 to 2.5	Pass
				0	3.6	-19.741	-0.0074	-2.5 to 2.5	Pass
				10	3.6	-37.951	-0.0142	-2.5 to 2.5	Pass
				30	3.6	-26.650	-0.0099	-2.5 to 2.5	Pass
				40	3.6	-42.100	-0.0157	-2.5 to 2.5	Pass
				50	3.6	4.463	0.0017	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.3	-3.405	-0.0014	-2.5 to 2.5	Pass
					3.6	-5.422	-0.0022	-2.5 to 2.5	Pass
					4.2	6.881	0.0027	-2.5 to 2.5	Pass
				-30	3.6	22.917	0.0091	-2.5 to 2.5	Pass
				-20	3.6	36.278	0.0145	-2.5 to 2.5	Pass
				-10	3.6	10.271	0.0041	-2.5 to 2.5	Pass
				0	3.6	14.720	0.0059	-2.5 to 2.5	Pass
				10	3.6	29.111	0.0116	-2.5 to 2.5	Pass
				30	3.6	38.953	0.0155	-2.5 to 2.5	Pass
				40	3.6	-0.172	-0.0001	-2.5 to 2.5	Pass
				50	3.6	7.310	0.0029	-2.5 to 2.5	Pass
	2593	100	0	20	3.3	-30.313	-0.0117	-2.5 to 2.5	Pass
					3.6	-20.986	-0.0081	-2.5 to 2.5	Pass
					4.2	-2.003	-0.0008	-2.5 to 2.5	Pass
				-30	3.6	18.282	0.0071	-2.5 to 2.5	Pass
				-20	3.6	33.989	0.0131	-2.5 to 2.5	Pass

				-10	3.6	35.205	0.0136	-2.5 to 2.5	Pass
				0	3.6	-3.519	-0.0014	-2.5 to 2.5	Pass
				10	3.6	11.458	0.0044	-2.5 to 2.5	Pass
				30	3.6	26.121	0.0101	-2.5 to 2.5	Pass
				40	3.6	35.362	0.0136	-2.5 to 2.5	Pass
				50	3.6	42.686	0.0165	-2.5 to 2.5	Pass
	2680	100	0	20	3.3	-4.020	-0.0015	-2.5 to 2.5	Pass
					3.6	-2.933	-0.0011	-2.5 to 2.5	Pass
					4.2	19.083	0.0071	-2.5 to 2.5	Pass
				-30	3.6	30.527	0.0114	-2.5 to 2.5	Pass
				-20	3.6	43.616	0.0163	-2.5 to 2.5	Pass
				-10	3.6	-7.267	-0.0027	-2.5 to 2.5	Pass
				0	3.6	3.262	0.0012	-2.5 to 2.5	Pass
				10	3.6	10.772	0.0040	-2.5 to 2.5	Pass
				30	3.6	17.381	0.0065	-2.5 to 2.5	Pass
				40	3.6	19.469	0.0073	-2.5 to 2.5	Pass
				50	3.6	26.994	0.0101	-2.5 to 2.5	Pass

7. Frequency Stability

7.1 B5_1.4MHz

7.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.3	-3.848	-0.0047	-2.5 to 2.5	Pass
					3.6	-13.046	-0.0158	-2.5 to 2.5	Pass
					4.2	-21.086	-0.0256	-2.5 to 2.5	Pass
				-30	3.6	-30.813	-0.0374	-2.5 to 2.5	Pass
				-20	3.6	-37.608	-0.0456	-2.5 to 2.5	Pass
				-10	3.6	-43.058	-0.0522	-2.5 to 2.5	Pass
				0	3.6	2.031	0.0025	-2.5 to 2.5	Pass
				10	3.6	-1.259	-0.0015	-2.5 to 2.5	Pass
				30	3.6	-4.663	-0.0057	-2.5 to 2.5	Pass
				40	3.6	-6.294	-0.0076	-2.5 to 2.5	Pass
				50	3.6	-9.055	-0.0110	-2.5 to 2.5	Pass
	836.5	6	0	20	3.3	17.052	0.0204	-2.5 to 2.5	Pass
					3.6	0.944	0.0011	-2.5 to 2.5	Pass
					4.2	-14.734	-0.0176	-2.5 to 2.5	Pass
				-30	3.6	-30.155	-0.0360	-2.5 to 2.5	Pass
				-20	3.6	-45.090	-0.0539	-2.5 to 2.5	Pass
				-10	3.6	-8.240	-0.0099	-2.5 to 2.5	Pass
				0	3.6	-16.766	-0.0200	-2.5 to 2.5	Pass
				10	3.6	-26.622	-0.0318	-2.5 to 2.5	Pass
				30	3.6	-33.989	-0.0406	-2.5 to 2.5	Pass
				40	3.6	-40.298	-0.0482	-2.5 to 2.5	Pass
				50	3.6	-44.789	-0.0535	-2.5 to 2.5	Pass
	848.3	6	0	20	3.3	1.144	0.0013	-2.5 to 2.5	Pass
					3.6	-2.389	-0.0028	-2.5 to 2.5	Pass
					4.2	-12.417	-0.0146	-2.5 to 2.5	Pass
				-30	3.6	-20.471	-0.0241	-2.5 to 2.5	Pass
				-20	3.6	-26.565	-0.0313	-2.5 to 2.5	Pass

				-10	3.6	-34.347	-0.0405	-2.5 to 2.5	Pass
				0	3.6	-40.841	-0.0481	-2.5 to 2.5	Pass
				10	3.6	-47.708	-0.0562	-2.5 to 2.5	Pass
				30	3.6	-2.561	-0.0030	-2.5 to 2.5	Pass
				40	3.6	-7.181	-0.0085	-2.5 to 2.5	Pass
				50	3.6	-9.112	-0.0107	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.3	-9.756	-0.0118	-2.5 to 2.5	Pass
					3.6	-12.031	-0.0146	-2.5 to 2.5	Pass
					4.2	-9.999	-0.0121	-2.5 to 2.5	Pass
				-30	3.6	-8.969	-0.0109	-2.5 to 2.5	Pass
				-20	3.6	-8.597	-0.0104	-2.5 to 2.5	Pass
				-10	3.6	-7.939	-0.0096	-2.5 to 2.5	Pass
				0	3.6	-6.208	-0.0075	-2.5 to 2.5	Pass
				10	3.6	-6.166	-0.0075	-2.5 to 2.5	Pass
				30	3.6	-6.251	-0.0076	-2.5 to 2.5	Pass
				40	3.6	-5.336	-0.0065	-2.5 to 2.5	Pass
				50	3.6	-5.665	-0.0069	-2.5 to 2.5	Pass
	836.5	6	0	20	3.3	-0.901	-0.0011	-2.5 to 2.5	Pass
					3.6	-2.217	-0.0027	-2.5 to 2.5	Pass
					4.2	-3.476	-0.0042	-2.5 to 2.5	Pass
				-30	3.6	-3.963	-0.0047	-2.5 to 2.5	Pass
				-20	3.6	-6.208	-0.0074	-2.5 to 2.5	Pass
				-10	3.6	-6.080	-0.0073	-2.5 to 2.5	Pass
				0	3.6	-7.081	-0.0085	-2.5 to 2.5	Pass
				10	3.6	-7.224	-0.0086	-2.5 to 2.5	Pass
				30	3.6	-7.410	-0.0089	-2.5 to 2.5	Pass
				40	3.6	-8.111	-0.0097	-2.5 to 2.5	Pass
				50	3.6	-7.195	-0.0086	-2.5 to 2.5	Pass
	848.3	6	0	20	3.3	-15.893	-0.0187	-2.5 to 2.5	Pass
					3.6	-18.082	-0.0213	-2.5 to 2.5	Pass
					4.2	-17.438	-0.0206	-2.5 to 2.5	Pass
				-30	3.6	-17.881	-0.0211	-2.5 to 2.5	Pass
				-20	3.6	-18.940	-0.0223	-2.5 to 2.5	Pass
				-10	3.6	-18.754	-0.0221	-2.5 to 2.5	Pass
				0	3.6	-20.843	-0.0246	-2.5 to 2.5	Pass
				10	3.6	-20.928	-0.0247	-2.5 to 2.5	Pass
				30	3.6	-21.687	-0.0256	-2.5 to 2.5	Pass
				40	3.6	-21.458	-0.0253	-2.5 to 2.5	Pass
				50	3.6	-23.375	-0.0276	-2.5 to 2.5	Pass

7.2 B5_3MHz

7.2.1 Test Result

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.3	4.334	0.0053	-2.5 to 2.5	Pass
					3.6	-8.612	-0.0104	-2.5 to 2.5	Pass
					4.2	-30.813	-0.0373	-2.5 to 2.5	Pass
				-30	3.6	-2.561	-0.0031	-2.5 to 2.5	Pass
				-20	3.6	-20.213	-0.0245	-2.5 to 2.5	Pass
				-10	3.6	-33.917	-0.0411	-2.5 to 2.5	Pass
				0	3.6	-29.469	-0.0357	-2.5 to 2.5	Pass
				10	3.6	-11.373	-0.0138	-2.5 to 2.5	Pass
				30	3.6	-20.428	-0.0247	-2.5 to 2.5	Pass
				40	3.6	-29.168	-0.0353	-2.5 to 2.5	Pass
				50	3.6	-36.664	-0.0444	-2.5 to 2.5	Pass
	836.5	15	0	20	3.3	-0.486	-0.0006	-2.5 to 2.5	Pass
					3.6	1.001	0.0012	-2.5 to 2.5	Pass
					4.2	2.003	0.0024	-2.5 to 2.5	Pass
				-30	3.6	1.431	0.0017	-2.5 to 2.5	Pass
				-20	3.6	1.502	0.0018	-2.5 to 2.5	Pass
				-10	3.6	-0.472	-0.0006	-2.5 to 2.5	Pass
				0	3.6	1.302	0.0016	-2.5 to 2.5	Pass
				10	3.6	1.087	0.0013	-2.5 to 2.5	Pass
				30	3.6	1.173	0.0014	-2.5 to 2.5	Pass
				40	3.6	0.987	0.0012	-2.5 to 2.5	Pass
				50	3.6	1.559	0.0019	-2.5 to 2.5	Pass
	847.5	15	0	20	3.3	-1.717	-0.0020	-2.5 to 2.5	Pass
					3.6	-4.177	-0.0049	-2.5 to 2.5	Pass
					4.2	-13.847	-0.0163	-2.5 to 2.5	Pass
				-30	3.6	-20.928	-0.0247	-2.5 to 2.5	Pass
				-20	3.6	-29.655	-0.0350	-2.5 to 2.5	Pass
				-10	3.6	-35.663	-0.0421	-2.5 to 2.5	Pass
				0	3.6	-39.840	-0.0470	-2.5 to 2.5	Pass
				10	3.6	-46.349	-0.0547	-2.5 to 2.5	Pass
				30	3.6	-0.830	-0.0010	-2.5 to 2.5	Pass
				40	3.6	-3.362	-0.0040	-2.5 to 2.5	Pass
				50	3.6	-7.353	-0.0087	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.3	-42.858	-0.0519	-2.5 to 2.5	Pass
					3.6	-47.078	-0.0570	-2.5 to 2.5	Pass
					4.2	-35.148	-0.0426	-2.5 to 2.5	Pass
				-30	3.6	-14.806	-0.0179	-2.5 to 2.5	Pass
				-20	3.6	-15.235	-0.0185	-2.5 to 2.5	Pass
				-10	3.6	-19.040	-0.0231	-2.5 to 2.5	Pass
				0	3.6	-20.413	-0.0247	-2.5 to 2.5	Pass
				10	3.6	-22.216	-0.0269	-2.5 to 2.5	Pass
				30	3.6	-22.488	-0.0272	-2.5 to 2.5	Pass
				40	3.6	-26.894	-0.0326	-2.5 to 2.5	Pass
				50	3.6	-28.768	-0.0348	-2.5 to 2.5	Pass
	836.5	15	0	20	3.3	1.044	0.0012	-2.5 to 2.5	Pass
					3.6	2.632	0.0031	-2.5 to 2.5	Pass
					4.2	4.206	0.0050	-2.5 to 2.5	Pass

				-30	3.6	8.097	0.0097	-2.5 to 2.5	Pass
				-20	3.6	10.543	0.0126	-2.5 to 2.5	Pass
				-10	3.6	11.959	0.0143	-2.5 to 2.5	Pass
				0	3.6	14.377	0.0172	-2.5 to 2.5	Pass
				10	3.6	15.807	0.0189	-2.5 to 2.5	Pass
				30	3.6	16.866	0.0202	-2.5 to 2.5	Pass
				40	3.6	19.398	0.0232	-2.5 to 2.5	Pass
				50	3.6	20.142	0.0241	-2.5 to 2.5	Pass
	847.5	15	0	20	3.3	-11.587	-0.0137	-2.5 to 2.5	Pass
					3.6	-12.689	-0.0150	-2.5 to 2.5	Pass
					4.2	-12.631	-0.0149	-2.5 to 2.5	Pass
				-30	3.6	-12.474	-0.0147	-2.5 to 2.5	Pass
				-20	3.6	-13.189	-0.0156	-2.5 to 2.5	Pass
				-10	3.6	-13.132	-0.0155	-2.5 to 2.5	Pass
				0	3.6	-13.704	-0.0162	-2.5 to 2.5	Pass
				10	3.6	-13.103	-0.0155	-2.5 to 2.5	Pass
				30	3.6	-13.433	-0.0159	-2.5 to 2.5	Pass
				40	3.6	-14.005	-0.0165	-2.5 to 2.5	Pass
				50	3.6	-14.405	-0.0170	-2.5 to 2.5	Pass

7.3 B5_5MHz

7.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.3	9.327	0.0113	-2.5 to 2.5	Pass
					3.6	8.998	0.0109	-2.5 to 2.5	Pass
					4.2	5.851	0.0071	-2.5 to 2.5	Pass
				-30	3.6	2.575	0.0031	-2.5 to 2.5	Pass
				-20	3.6	-0.157	-0.0002	-2.5 to 2.5	Pass
				-10	3.6	-2.646	-0.0032	-2.5 to 2.5	Pass
				0	3.6	-5.651	-0.0068	-2.5 to 2.5	Pass
				10	3.6	-7.052	-0.0085	-2.5 to 2.5	Pass
				30	3.6	-8.926	-0.0108	-2.5 to 2.5	Pass
				40	3.6	-11.172	-0.0135	-2.5 to 2.5	Pass
				50	3.6	-11.802	-0.0143	-2.5 to 2.5	Pass
	836.5	25	0	20	3.3	3.920	0.0047	-2.5 to 2.5	Pass
					3.6	7.610	0.0091	-2.5 to 2.5	Pass
					4.2	9.670	0.0116	-2.5 to 2.5	Pass
				-30	3.6	9.570	0.0114	-2.5 to 2.5	Pass
				-20	3.6	11.816	0.0141	-2.5 to 2.5	Pass
				-10	3.6	12.145	0.0145	-2.5 to 2.5	Pass
				0	3.6	13.533	0.0162	-2.5 to 2.5	Pass
				10	3.6	15.020	0.0180	-2.5 to 2.5	Pass
				30	3.6	14.620	0.0175	-2.5 to 2.5	Pass
				40	3.6	16.351	0.0195	-2.5 to 2.5	Pass
				50	3.6	16.365	0.0196	-2.5 to 2.5	Pass
	846.5	25	0	20	3.3	-0.229	-0.0003	-2.5 to 2.5	Pass
					3.6	-2.933	-0.0035	-2.5 to 2.5	Pass
					4.2	-11.773	-0.0139	-2.5 to 2.5	Pass
				-30	3.6	-18.897	-0.0223	-2.5 to 2.5	Pass
				-20	3.6	-24.905	-0.0294	-2.5 to 2.5	Pass
				-10	3.6	-30.956	-0.0366	-2.5 to 2.5	Pass

				0	3.6	-36.721	-0.0434	-2.5 to 2.5	Pass
				10	3.6	-41.971	-0.0496	-2.5 to 2.5	Pass
				30	3.6	-46.663	-0.0551	-2.5 to 2.5	Pass
				40	3.6	-0.572	-0.0007	-2.5 to 2.5	Pass
				50	3.6	-4.263	-0.0050	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.3	-14.577	-0.0176	-2.5 to 2.5	Pass
					3.6	-14.248	-0.0172	-2.5 to 2.5	Pass
					4.2	-12.789	-0.0155	-2.5 to 2.5	Pass
				-30	3.6	-10.571	-0.0128	-2.5 to 2.5	Pass
				-20	3.6	-10.600	-0.0128	-2.5 to 2.5	Pass
				-10	3.6	-9.384	-0.0114	-2.5 to 2.5	Pass
				0	3.6	-7.339	-0.0089	-2.5 to 2.5	Pass
				10	3.6	-8.898	-0.0108	-2.5 to 2.5	Pass
				30	3.6	-7.968	-0.0096	-2.5 to 2.5	Pass
				40	3.6	-6.795	-0.0082	-2.5 to 2.5	Pass
				50	3.6	-6.437	-0.0078	-2.5 to 2.5	Pass
	836.5	25	0	20	3.3	17.710	0.0212	-2.5 to 2.5	Pass
					3.6	22.216	0.0266	-2.5 to 2.5	Pass
					4.2	23.446	0.0280	-2.5 to 2.5	Pass
				-30	3.6	27.881	0.0333	-2.5 to 2.5	Pass
				-20	3.6	30.327	0.0363	-2.5 to 2.5	Pass
				-10	3.6	32.372	0.0387	-2.5 to 2.5	Pass
				0	3.6	35.563	0.0425	-2.5 to 2.5	Pass
				10	3.6	37.551	0.0449	-2.5 to 2.5	Pass
				30	3.6	40.827	0.0488	-2.5 to 2.5	Pass
				40	3.6	42.529	0.0508	-2.5 to 2.5	Pass
				50	3.6	44.832	0.0536	-2.5 to 2.5	Pass
	846.5	25	0	20	3.3	-8.297	-0.0098	-2.5 to 2.5	Pass
					3.6	-6.523	-0.0077	-2.5 to 2.5	Pass
					4.2	-6.595	-0.0078	-2.5 to 2.5	Pass
				-30	3.6	-6.309	-0.0075	-2.5 to 2.5	Pass
				-20	3.6	-7.153	-0.0085	-2.5 to 2.5	Pass
				-10	3.6	-7.052	-0.0083	-2.5 to 2.5	Pass
				0	3.6	-6.208	-0.0073	-2.5 to 2.5	Pass
				10	3.6	-6.151	-0.0073	-2.5 to 2.5	Pass
				30	3.6	-6.065	-0.0072	-2.5 to 2.5	Pass
				40	3.6	-6.237	-0.0074	-2.5 to 2.5	Pass
				50	3.6	-5.951	-0.0070	-2.5 to 2.5	Pass

7.4 B5_10MHz

7.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.3	13.046	0.0157	-2.5 to 2.5	Pass
					3.6	13.833	0.0167	-2.5 to 2.5	Pass
					4.2	11.444	0.0138	-2.5 to 2.5	Pass
				-30	3.6	9.985	0.0120	-2.5 to 2.5	Pass
				-20	3.6	5.965	0.0072	-2.5 to 2.5	Pass
				-10	3.6	5.336	0.0064	-2.5 to 2.5	Pass
				0	3.6	3.262	0.0039	-2.5 to 2.5	Pass
				10	3.6	2.174	0.0026	-2.5 to 2.5	Pass
				30	3.6	0.358	0.0004	-2.5 to 2.5	Pass
				40	3.6	-0.944	-0.0011	-2.5 to 2.5	Pass
				50	3.6	-2.718	-0.0033	-2.5 to 2.5	Pass
	836.5	50	0	20	3.3	-0.572	-0.0007	-2.5 to 2.5	Pass
					3.6	1.402	0.0017	-2.5 to 2.5	Pass
					4.2	2.403	0.0029	-2.5 to 2.5	Pass
				-30	3.6	1.488	0.0018	-2.5 to 2.5	Pass
				-20	3.6	1.960	0.0023	-2.5 to 2.5	Pass
				-10	3.6	2.389	0.0029	-2.5 to 2.5	Pass
				0	3.6	2.632	0.0031	-2.5 to 2.5	Pass
				10	3.6	4.048	0.0048	-2.5 to 2.5	Pass
				30	3.6	3.076	0.0037	-2.5 to 2.5	Pass
				40	3.6	1.717	0.0021	-2.5 to 2.5	Pass
				50	3.6	3.676	0.0044	-2.5 to 2.5	Pass
	844	50	0	20	3.3	1.974	0.0023	-2.5 to 2.5	Pass
					3.6	-4.263	-0.0051	-2.5 to 2.5	Pass
					4.2	-11.730	-0.0139	-2.5 to 2.5	Pass
				-30	3.6	-17.610	-0.0209	-2.5 to 2.5	Pass
				-20	3.6	-24.204	-0.0287	-2.5 to 2.5	Pass
				-10	3.6	-29.111	-0.0345	-2.5 to 2.5	Pass
				0	3.6	-33.088	-0.0392	-2.5 to 2.5	Pass
				10	3.6	-36.893	-0.0437	-2.5 to 2.5	Pass
				30	3.6	-40.569	-0.0481	-2.5 to 2.5	Pass
				40	3.6	-42.515	-0.0504	-2.5 to 2.5	Pass
				50	3.6	-46.577	-0.0552	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.3	-4.191	-0.0051	-2.5 to 2.5	Pass
					3.6	-1.674	-0.0020	-2.5 to 2.5	Pass
					4.2	0.887	0.0011	-2.5 to 2.5	Pass
				-30	3.6	2.632	0.0032	-2.5 to 2.5	Pass
				-20	3.6	4.177	0.0050	-2.5 to 2.5	Pass
				-10	3.6	4.263	0.0051	-2.5 to 2.5	Pass
				0	3.6	6.151	0.0074	-2.5 to 2.5	Pass
				10	3.6	8.211	0.0099	-2.5 to 2.5	Pass
				30	3.6	9.212	0.0111	-2.5 to 2.5	Pass
				40	3.6	10.972	0.0132	-2.5 to 2.5	Pass
				50	3.6	11.244	0.0136	-2.5 to 2.5	Pass
	836.5	50	0	20	3.3	3.848	0.0046	-2.5 to 2.5	Pass
					3.6	8.597	0.0103	-2.5 to 2.5	Pass
					4.2	12.474	0.0149	-2.5 to 2.5	Pass

				-30	3.6	15.407	0.0184	-2.5 to 2.5	Pass
				-20	3.6	18.783	0.0225	-2.5 to 2.5	Pass
				-10	3.6	22.244	0.0266	-2.5 to 2.5	Pass
				0	3.6	24.362	0.0291	-2.5 to 2.5	Pass
				10	3.6	26.450	0.0316	-2.5 to 2.5	Pass
				30	3.6	28.524	0.0341	-2.5 to 2.5	Pass
				40	3.6	31.700	0.0379	-2.5 to 2.5	Pass
				50	3.6	33.703	0.0403	-2.5 to 2.5	Pass
	844	50	0	20	3.3	1.216	0.0014	-2.5 to 2.5	Pass
					3.6	1.960	0.0023	-2.5 to 2.5	Pass
					4.2	3.576	0.0042	-2.5 to 2.5	Pass
				-30	3.6	6.566	0.0078	-2.5 to 2.5	Pass
				-20	3.6	6.480	0.0077	-2.5 to 2.5	Pass
				-10	3.6	8.082	0.0096	-2.5 to 2.5	Pass
				0	3.6	8.612	0.0102	-2.5 to 2.5	Pass
				10	3.6	8.039	0.0095	-2.5 to 2.5	Pass
				30	3.6	8.740	0.0104	-2.5 to 2.5	Pass
				40	3.6	10.686	0.0127	-2.5 to 2.5	Pass
				50	3.6	11.058	0.0131	-2.5 to 2.5	Pass

8. Frequency Stability

8.1 B7_5MHz

8.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.3	22.659	0.0091	-2.5 to 2.5	Pass
					3.6	56.648	0.0226	-2.5 to 2.5	Pass
					4.2	42.243	0.0169	-2.5 to 2.5	Pass
				-30	3.6	7.553	0.0030	-2.5 to 2.5	Pass
				-20	3.6	-32.172	-0.0129	-2.5 to 2.5	Pass
				-10	3.6	-21.429	-0.0086	-2.5 to 2.5	Pass
				0	3.6	-0.486	-0.0002	-2.5 to 2.5	Pass
				10	3.6	-39.725	-0.0159	-2.5 to 2.5	Pass
				30	3.6	-39.268	-0.0157	-2.5 to 2.5	Pass
				40	3.6	-22.945	-0.0092	-2.5 to 2.5	Pass
				50	3.6	5.522	0.0022	-2.5 to 2.5	Pass
	2535	25	0	20	3.3	9.227	0.0036	-2.5 to 2.5	Pass
					3.6	26.622	0.0105	-2.5 to 2.5	Pass
					4.2	34.790	0.0137	-2.5 to 2.5	Pass
				-30	3.6	-0.272	-0.0001	-2.5 to 2.5	Pass
				-20	3.6	1.259	0.0005	-2.5 to 2.5	Pass
				-10	3.6	3.047	0.0012	-2.5 to 2.5	Pass
				0	3.6	3.562	0.0014	-2.5 to 2.5	Pass
				10	3.6	3.119	0.0012	-2.5 to 2.5	Pass
				30	3.6	1.101	0.0004	-2.5 to 2.5	Pass
				40	3.6	2.747	0.0011	-2.5 to 2.5	Pass
				50	3.6	1.903	0.0008	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.3	20.971	0.0082	-2.5 to 2.5	Pass
					3.6	8.383	0.0033	-2.5 to 2.5	Pass
					4.2	-40.054	-0.0156	-2.5 to 2.5	Pass

				-30	3.6	-35.877	-0.0140	-2.5 to 2.5	Pass
				-20	3.6	7.210	0.0028	-2.5 to 2.5	Pass
				-10	3.6	-9.942	-0.0039	-2.5 to 2.5	Pass
				0	3.6	-25.392	-0.0099	-2.5 to 2.5	Pass
				10	3.6	-22.445	-0.0087	-2.5 to 2.5	Pass
				30	3.6	-26.422	-0.0103	-2.5 to 2.5	Pass
				40	3.6	-8.526	-0.0033	-2.5 to 2.5	Pass
				50	3.6	-45.633	-0.0178	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.3	-23.847	-0.0095	-2.5 to 2.5	Pass
					3.6	-45.376	-0.0181	-2.5 to 2.5	Pass
					4.2	-16.565	-0.0066	-2.5 to 2.5	Pass
				-30	3.6	-27.766	-0.0111	-2.5 to 2.5	Pass
				-20	3.6	-29.054	-0.0116	-2.5 to 2.5	Pass
				-10	3.6	-35.706	-0.0143	-2.5 to 2.5	Pass
				0	3.6	-15.564	-0.0062	-2.5 to 2.5	Pass
				10	3.6	-4.206	-0.0017	-2.5 to 2.5	Pass
				30	3.6	-13.390	-0.0054	-2.5 to 2.5	Pass
				40	3.6	-17.967	-0.0072	-2.5 to 2.5	Pass
				50	3.6	-35.577	-0.0142	-2.5 to 2.5	Pass
	2535	25	0	20	3.3	-1.960	-0.0008	-2.5 to 2.5	Pass
					3.6	1.130	0.0004	-2.5 to 2.5	Pass
					4.2	14.977	0.0059	-2.5 to 2.5	Pass
				-30	3.6	25.649	0.0101	-2.5 to 2.5	Pass
				-20	3.6	37.379	0.0147	-2.5 to 2.5	Pass
				-10	3.6	-5.350	-0.0021	-2.5 to 2.5	Pass
				0	3.6	5.593	0.0022	-2.5 to 2.5	Pass
				10	3.6	20.156	0.0080	-2.5 to 2.5	Pass
				30	3.6	27.094	0.0107	-2.5 to 2.5	Pass
				40	3.6	38.052	0.0150	-2.5 to 2.5	Pass
				50	3.6	48.995	0.0193	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.3	-46.535	-0.0181	-2.5 to 2.5	Pass
					3.6	-6.781	-0.0026	-2.5 to 2.5	Pass
					4.2	-19.269	-0.0075	-2.5 to 2.5	Pass
				-30	3.6	-35.248	-0.0137	-2.5 to 2.5	Pass
				-20	3.6	-44.904	-0.0175	-2.5 to 2.5	Pass
				-10	3.6	-21.958	-0.0086	-2.5 to 2.5	Pass
				0	3.6	-30.828	-0.0120	-2.5 to 2.5	Pass
				10	3.6	-46.105	-0.0180	-2.5 to 2.5	Pass
				30	3.6	-3.548	-0.0014	-2.5 to 2.5	Pass
				40	3.6	-13.847	-0.0054	-2.5 to 2.5	Pass
				50	3.6	-24.304	-0.0095	-2.5 to 2.5	Pass

8.2 B7_10MHz

8.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.3	18.783	0.0075	-2.5 to 2.5	Pass
					3.6	20.657	0.0082	-2.5 to 2.5	Pass
					4.2	-2.003	-0.0008	-2.5 to 2.5	Pass
				-30	3.6	-32.644	-0.0130	-2.5 to 2.5	Pass
				-20	3.6	-1.674	-0.0007	-2.5 to 2.5	Pass
				-10	3.6	-30.198	-0.0121	-2.5 to 2.5	Pass
				0	3.6	-18.926	-0.0076	-2.5 to 2.5	Pass
				10	3.6	4.034	0.0016	-2.5 to 2.5	Pass
				30	3.6	-21.529	-0.0086	-2.5 to 2.5	Pass
				40	3.6	-43.945	-0.0175	-2.5 to 2.5	Pass
				50	3.6	-29.984	-0.0120	-2.5 to 2.5	Pass
	2535	50	0	20	3.3	17.123	0.0068	-2.5 to 2.5	Pass
					3.6	42.286	0.0167	-2.5 to 2.5	Pass
					4.2	22.230	0.0088	-2.5 to 2.5	Pass
				-30	3.6	34.933	0.0138	-2.5 to 2.5	Pass
				-20	3.6	26.994	0.0106	-2.5 to 2.5	Pass
				-10	3.6	3.319	0.0013	-2.5 to 2.5	Pass
				0	3.6	9.942	0.0039	-2.5 to 2.5	Pass
				10	3.6	15.650	0.0062	-2.5 to 2.5	Pass
				30	3.6	22.230	0.0088	-2.5 to 2.5	Pass
				40	3.6	20.399	0.0080	-2.5 to 2.5	Pass
				50	3.6	28.653	0.0113	-2.5 to 2.5	Pass
	2565	50	0	20	3.3	12.960	0.0051	-2.5 to 2.5	Pass
					3.6	-18.640	-0.0073	-2.5 to 2.5	Pass
					4.2	-15.249	-0.0059	-2.5 to 2.5	Pass
				-30	3.6	-15.850	-0.0062	-2.5 to 2.5	Pass
				-20	3.6	-31.958	-0.0125	-2.5 to 2.5	Pass
				-10	3.6	-13.561	-0.0053	-2.5 to 2.5	Pass
				0	3.6	-7.896	-0.0031	-2.5 to 2.5	Pass
				10	3.6	-47.092	-0.0184	-2.5 to 2.5	Pass
				30	3.6	-37.265	-0.0145	-2.5 to 2.5	Pass
				40	3.6	-20.156	-0.0079	-2.5 to 2.5	Pass
				50	3.6	-51.155	-0.0199	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.3	0.744	0.0003	-2.5 to 2.5	Pass
					3.6	7.067	0.0028	-2.5 to 2.5	Pass
					4.2	9.184	0.0037	-2.5 to 2.5	Pass
				-30	3.6	13.089	0.0052	-2.5 to 2.5	Pass
				-20	3.6	17.338	0.0069	-2.5 to 2.5	Pass
				-10	3.6	20.213	0.0081	-2.5 to 2.5	Pass
				0	3.6	17.481	0.0070	-2.5 to 2.5	Pass
				10	3.6	19.369	0.0077	-2.5 to 2.5	Pass
				30	3.6	18.954	0.0076	-2.5 to 2.5	Pass
				40	3.6	15.507	0.0062	-2.5 to 2.5	Pass
				50	3.6	15.764	0.0063	-2.5 to 2.5	Pass
	2535	50	0	20	3.3	35.248	0.0139	-2.5 to 2.5	Pass
					3.6	43.173	0.0170	-2.5 to 2.5	Pass
					4.2	4.506	0.0018	-2.5 to 2.5	Pass

				-30	3.6	21.758	0.0086	-2.5 to 2.5	Pass
				-20	3.6	37.222	0.0147	-2.5 to 2.5	Pass
				-10	3.6	18.482	0.0073	-2.5 to 2.5	Pass
				0	3.6	32.029	0.0126	-2.5 to 2.5	Pass
				10	3.6	46.005	0.0181	-2.5 to 2.5	Pass
				30	3.6	-2.360	-0.0009	-2.5 to 2.5	Pass
				40	3.6	11.144	0.0044	-2.5 to 2.5	Pass
				50	3.6	23.174	0.0091	-2.5 to 2.5	Pass
	2565	50	0	20	3.3	-24.333	-0.0095	-2.5 to 2.5	Pass
					3.6	-0.858	-0.0003	-2.5 to 2.5	Pass
					4.2	-10.629	-0.0041	-2.5 to 2.5	Pass
				-30	3.6	-13.604	-0.0053	-2.5 to 2.5	Pass
				-20	3.6	-21.000	-0.0082	-2.5 to 2.5	Pass
				-10	3.6	-28.224	-0.0110	-2.5 to 2.5	Pass
				0	3.6	-30.656	-0.0120	-2.5 to 2.5	Pass
				10	3.6	-37.766	-0.0147	-2.5 to 2.5	Pass
				30	3.6	-34.375	-0.0134	-2.5 to 2.5	Pass
				40	3.6	-6.666	-0.0026	-2.5 to 2.5	Pass
				50	3.6	-13.189	-0.0051	-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	3.3	27.823	0.0111	-2.5 to 2.5	Pass
					3.6	25.148	0.0100	-2.5 to 2.5	Pass
					4.2	0.844	0.0003	-2.5 to 2.5	Pass
				-30	3.6	-22.302	-0.0089	-2.5 to 2.5	Pass
				-20	3.6	-14.148	-0.0056	-2.5 to 2.5	Pass
				-10	3.6	-31.543	-0.0126	-2.5 to 2.5	Pass
				0	3.6	-7.410	-0.0030	-2.5 to 2.5	Pass
				10	3.6	-27.967	-0.0112	-2.5 to 2.5	Pass
				30	3.6	2.546	0.0010	-2.5 to 2.5	Pass
				40	3.6	-19.927	-0.0079	-2.5 to 2.5	Pass
				50	3.6	-38.853	-0.0155	-2.5 to 2.5	Pass
	2535	75	0	20	3.3	30.413	0.0120	-2.5 to 2.5	Pass
					3.6	8.268	0.0033	-2.5 to 2.5	Pass
					4.2	27.394	0.0108	-2.5 to 2.5	Pass
				-30	3.6	41.127	0.0162	-2.5 to 2.5	Pass
				-20	3.6	17.610	0.0069	-2.5 to 2.5	Pass
				-10	3.6	28.396	0.0112	-2.5 to 2.5	Pass
				0	3.6	38.166	0.0151	-2.5 to 2.5	Pass
				10	3.6	46.678	0.0184	-2.5 to 2.5	Pass
				30	3.6	-7.081	-0.0028	-2.5 to 2.5	Pass
				40	3.6	-1.087	-0.0004	-2.5 to 2.5	Pass
				50	3.6	3.104	0.0012	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.3	18.911	0.0074	-2.5 to 2.5	Pass
					3.6	-12.288	-0.0048	-2.5 to 2.5	Pass
					4.2	-31.886	-0.0124	-2.5 to 2.5	Pass
				-30	3.6	-28.582	-0.0112	-2.5 to 2.5	Pass
				-20	3.6	-38.767	-0.0151	-2.5 to 2.5	Pass
				-10	3.6	-38.438	-0.0150	-2.5 to 2.5	Pass

				0	3.6	-30.985	-0.0121	-2.5 to 2.5	Pass
				10	3.6	-16.422	-0.0064	-2.5 to 2.5	Pass
				30	3.6	-32.601	-0.0127	-2.5 to 2.5	Pass
				40	3.6	-14.734	-0.0057	-2.5 to 2.5	Pass
				50	3.6	-43.974	-0.0172	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.3	-27.237	-0.0109	-2.5 to 2.5	Pass
					3.6	-19.412	-0.0077	-2.5 to 2.5	Pass
					4.2	-13.804	-0.0055	-2.5 to 2.5	Pass
				-30	3.6	-13.275	-0.0053	-2.5 to 2.5	Pass
				-20	3.6	-5.736	-0.0023	-2.5 to 2.5	Pass
				-10	3.6	-1.845	-0.0007	-2.5 to 2.5	Pass
				0	3.6	0.687	0.0003	-2.5 to 2.5	Pass
				10	3.6	0.615	0.0002	-2.5 to 2.5	Pass
				30	3.6	3.991	0.0016	-2.5 to 2.5	Pass
				40	3.6	-1.073	-0.0004	-2.5 to 2.5	Pass
				50	3.6	1.931	0.0008	-2.5 to 2.5	Pass
	2535	75	0	20	3.3	10.057	0.0040	-2.5 to 2.5	Pass
					3.6	31.314	0.0124	-2.5 to 2.5	Pass
					4.2	11.144	0.0044	-2.5 to 2.5	Pass
				-30	3.6	8.726	0.0034	-2.5 to 2.5	Pass
				-20	3.6	28.710	0.0113	-2.5 to 2.5	Pass
				-10	3.6	21.300	0.0084	-2.5 to 2.5	Pass
				0	3.6	30.298	0.0120	-2.5 to 2.5	Pass
				10	3.6	38.280	0.0151	-2.5 to 2.5	Pass
				30	3.6	8.326	0.0033	-2.5 to 2.5	Pass
				40	3.6	21.715	0.0086	-2.5 to 2.5	Pass
				50	3.6	36.192	0.0143	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.3	-32.330	-0.0126	-2.5 to 2.5	Pass
					3.6	-44.389	-0.0173	-2.5 to 2.5	Pass
					4.2	-0.358	-0.0001	-2.5 to 2.5	Pass
				-30	3.6	-1.559	-0.0006	-2.5 to 2.5	Pass
				-20	3.6	-4.091	-0.0016	-2.5 to 2.5	Pass
				-10	3.6	-8.183	-0.0032	-2.5 to 2.5	Pass
				0	3.6	-15.807	-0.0062	-2.5 to 2.5	Pass
				10	3.6	-21.873	-0.0085	-2.5 to 2.5	Pass
				30	3.6	-26.093	-0.0102	-2.5 to 2.5	Pass
				40	3.6	-29.926	-0.0117	-2.5 to 2.5	Pass
				50	3.6	-34.862	-0.0136	-2.5 to 2.5	Pass

8.4 B7_20MHz

8.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.3	37.408	0.0149	-2.5 to 2.5	Pass
					3.6	30.398	0.0121	-2.5 to 2.5	Pass
					4.2	10.414	0.0041	-2.5 to 2.5	Pass
				-30	3.6	-16.007	-0.0064	-2.5 to 2.5	Pass
				-20	3.6	-30.055	-0.0120	-2.5 to 2.5	Pass
				-10	3.6	-23.818	-0.0095	-2.5 to 2.5	Pass
				0	3.6	-3.290	-0.0013	-2.5 to 2.5	Pass
				10	3.6	-9.727	-0.0039	-2.5 to 2.5	Pass
				30	3.6	-24.605	-0.0098	-2.5 to 2.5	Pass
				40	3.6	-37.594	-0.0150	-2.5 to 2.5	Pass
				50	3.6	-49.481	-0.0197	-2.5 to 2.5	Pass
	2535	100	0	20	3.3	28.224	0.0111	-2.5 to 2.5	Pass
					3.6	-10.843	-0.0043	-2.5 to 2.5	Pass
					4.2	10.529	0.0042	-2.5 to 2.5	Pass
				-30	3.6	23.546	0.0093	-2.5 to 2.5	Pass
				-20	3.6	33.102	0.0131	-2.5 to 2.5	Pass
				-10	3.6	-2.847	-0.0011	-2.5 to 2.5	Pass
				0	3.6	6.223	0.0025	-2.5 to 2.5	Pass
				10	3.6	14.420	0.0057	-2.5 to 2.5	Pass
				30	3.6	22.745	0.0090	-2.5 to 2.5	Pass
				40	3.6	31.643	0.0125	-2.5 to 2.5	Pass
				50	3.6	40.426	0.0159	-2.5 to 2.5	Pass
	2560	100	0	20	3.3	20.957	0.0082	-2.5 to 2.5	Pass
					3.6	-20.156	-0.0079	-2.5 to 2.5	Pass
					4.2	-41.370	-0.0162	-2.5 to 2.5	Pass
				-30	3.6	-9.384	-0.0037	-2.5 to 2.5	Pass
				-20	3.6	-6.409	-0.0025	-2.5 to 2.5	Pass
				-10	3.6	-41.528	-0.0162	-2.5 to 2.5	Pass
				0	3.6	-14.663	-0.0057	-2.5 to 2.5	Pass
				10	3.6	-28.439	-0.0111	-2.5 to 2.5	Pass
				30	3.6	-30.499	-0.0119	-2.5 to 2.5	Pass
				40	3.6	6.938	0.0027	-2.5 to 2.5	Pass
				50	3.6	-14.606	-0.0057	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.3	-26.765	-0.0107	-2.5 to 2.5	Pass
					3.6	-22.445	-0.0089	-2.5 to 2.5	Pass
					4.2	-16.508	-0.0066	-2.5 to 2.5	Pass
				-30	3.6	-6.137	-0.0024	-2.5 to 2.5	Pass
				-20	3.6	-5.336	-0.0021	-2.5 to 2.5	Pass
				-10	3.6	-1.359	-0.0005	-2.5 to 2.5	Pass
				0	3.6	4.706	0.0019	-2.5 to 2.5	Pass
				10	3.6	5.093	0.0020	-2.5 to 2.5	Pass
				30	3.6	7.296	0.0029	-2.5 to 2.5	Pass
				40	3.6	8.698	0.0035	-2.5 to 2.5	Pass
				50	3.6	7.010	0.0028	-2.5 to 2.5	Pass
	2535	100	0	20	3.3	40.627	0.0160	-2.5 to 2.5	Pass
					3.6	26.994	0.0106	-2.5 to 2.5	Pass
					4.2	29.240	0.0115	-2.5 to 2.5	Pass

				-30	3.6	32.930	0.0130	-2.5 to 2.5	Pass
				-20	3.6	-6.065	-0.0024	-2.5 to 2.5	Pass
				-10	3.6	6.838	0.0027	-2.5 to 2.5	Pass
				0	3.6	22.988	0.0091	-2.5 to 2.5	Pass
				10	3.6	35.234	0.0139	-2.5 to 2.5	Pass
				30	3.6	0.358	0.0001	-2.5 to 2.5	Pass
				40	3.6	15.507	0.0061	-2.5 to 2.5	Pass
				50	3.6	26.822	0.0106	-2.5 to 2.5	Pass
	2560	100	0	20	3.3	-37.308	-0.0146	-2.5 to 2.5	Pass
					3.6	-38.981	-0.0152	-2.5 to 2.5	Pass
					4.2	0.544	0.0002	-2.5 to 2.5	Pass
				-30	3.6	1.116	0.0004	-2.5 to 2.5	Pass
				-20	3.6	1.945	0.0008	-2.5 to 2.5	Pass
				-10	3.6	0.157	0.0001	-2.5 to 2.5	Pass
				0	3.6	-3.676	-0.0014	-2.5 to 2.5	Pass
				10	3.6	-5.536	-0.0022	-2.5 to 2.5	Pass
				30	3.6	-3.848	-0.0015	-2.5 to 2.5	Pass
				40	3.6	-7.253	-0.0028	-2.5 to 2.5	Pass
				50	3.6	-11.845	-0.0046	-2.5 to 2.5	Pass