1. Frequency Stability

1.1 B2_1.4MHz

1.1.1 Test Result

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	-11.716	-0.0063	-2.5 to 2.5	Pass
					3.6	-27.852	-0.0150	-2.5 to 2.5	Pass
					4.2	9.313	0.0050	-2.5 to 2.5	Pass
				-30	3.6	-20.528	-0.0111	-2.5 to 2.5	Pass
				-20	3.6	-14.977	-0.0081	-2.5 to 2.5	Pass
				-10	3.6	-46.935	-0.0254	-2.5 to 2.5	Pass
				0	3.6	-28.353	-0.0153	-2.5 to 2.5	Pass
				10	3.6	-9.212	-0.0050	-2.5 to 2.5	Pass
				30	3.6	-39.210	-0.0212	-2.5 to 2.5	Pass
				40	3.6	-22.130	-0.0120	-2.5 to 2.5	Pass
				50	3.6	-35.377	-0.0191	-2.5 to 2.5	Pass
	1880	6	0	20	3.3	-33.131	-0.0176	-2.5 to 2.5	Pass
					3.6	-21.958	-0.0117	-2.5 to 2.5	Pass
					4.2	-29.182	-0.0155	-2.5 to 2.5	Pass
				-30	3.6	-50.397	-0.0268	-2.5 to 2.5	Pass
				-20	3.6	-48.251	-0.0257	-2.5 to 2.5	Pass
				-10	3.6	-40.312	-0.0214	-2.5 to 2.5	Pass
				0	3.6	-31.486	-0.0167	-2.5 to 2.5	Pass
				10	3.6	-42.815	-0.0228	-2.5 to 2.5	Pass
				30	3.6	-40.669	-0.0216	-2.5 to 2.5	Pass
				40	3.6	-32.330	-0.0172	-2.5 to 2.5	Pass
				50	3.6	-24.920	-0.0133	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.3	0.229	0.0001	-2.5 to 2.5	Pass
					3.6	-48.923	-0.0256	-2.5 to 2.5	Pass
					4.2	-22.573	-0.0118	-2.5 to 2.5	Pass
				-30	3.6	-36.778	-0.0193	-2.5 to 2.5	Pass
				-20	3.6	-30.041	-0.0157	-2.5 to 2.5	Pass
				-10	3.6	-22.917	-0.0120	-2.5 to 2.5	Pass
				0	3.6	-16.623	-0.0087	-2.5 to 2.5	Pass
				10	3.6	-8.540	-0.0045	-2.5 to 2.5	Pass
				30	3.6	-2.403	-0.0013	-2.5 to 2.5	Pass
				40	3.6	-11.201	-0.0059	-2.5 to 2.5	Pass
				50	3.6	-46.377	-0.0243	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.3	-15.478	-0.0084	-2.5 to 2.5	Pass
					3.6	-37.050	-0.0200	-2.5 to 2.5	Pass
					4.2	-26.922	-0.0145	-2.5 to 2.5	Pass
				-30	3.6	2.947	0.0016	-2.5 to 2.5	Pass
				-20	3.6	-17.810	-0.0096	-2.5 to 2.5	Pass
				-10	3.6	-34.089	-0.0184	-2.5 to 2.5	Pass
				0	3.6	-15.607	-0.0084	-2.5 to 2.5	Pass
				10	3.6	-19.898	-0.0108	-2.5 to 2.5	Pass
				30	3.6	-34.690	-0.0187	-2.5 to 2.5	Pass
				40	3.6	-2.947	-0.0016	-2.5 to 2.5	Pass
				50	3.6	-15.950	-0.0086	-2.5 to 2.5	Pass
	1880	6	0	20	3.3	-28.811	-0.0153	-2.5 to 2.5	Pass
					3.6	-28.052	-0.0149	-2.5 to 2.5	Pass

Band: 2 / Bandwidth: 1.4MHz

				Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)		Verdict
							Result	Limit	
					4.2	-21.601	-0.0115	-2.5 to 2.5	Pass
				-30	3.6	-27.609	-0.0147	-2.5 to 2.5	Pass
				-20	3.6	-1.917	-0.0010	-2.5 to 2.5	Pass
				-10	3.6	-35.305	-0.0188	-2.5 to 2.5	Pass
				0	3.6	-36.879	-0.0196	-2.5 to 2.5	Pass
				10	3.6	-8.254	-0.0044	-2.5 to 2.5	Pass
				30	3.6	-29.426	-0.0157	-2.5 to 2.5	Pass
				40	3.6	-43.445	-0.0231	-2.5 to 2.5	Pass
				50	3.6	-7.353	-0.0039	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.3	-45.161	-0.0237	-2.5 to 2.5	Pass
					3.6	-26.321	-0.0138	-2.5 to 2.5	Pass
					4.2	-8.512	-0.0045	-2.5 to 2.5	Pass
				-30	3.6	-34.747	-0.0182	-2.5 to 2.5	Pass
				-20	3.6	-8.812	-0.0046	-2.5 to 2.5	Pass
				-10	3.6	-38.280	-0.0200	-2.5 to 2.5	Pass
				0	3.6	-39.625	-0.0208	-2.5 to 2.5	Pass
				10	3.6	-8.068	-0.0042	-2.5 to 2.5	Pass
				30	3.6	-32.330	-0.0169	-2.5 to 2.5	Pass
				40	3.6	-29.154	-0.0153	-2.5 to 2.5	Pass
				50	3.6	-51.026	-0.0267	-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	15.635	0.0084	-2.5 to 2.5	Pass
					3.6	-1.831	-0.0010	-2.5 to 2.5	Pass
					4.2	-28.253	-0.0153	-2.5 to 2.5	Pass
				-30	3.6	-12.603	-0.0068	-2.5 to 2.5	Pass
				-20	3.6	-29.597	-0.0160	-2.5 to 2.5	Pass
				-10	3.6	-19.984	-0.0108	-2.5 to 2.5	Pass
				0	3.6	-3.490	-0.0019	-2.5 to 2.5	Pass
				10	3.6	-15.821	-0.0085	-2.5 to 2.5	Pass
				30	3.6	-11.687	-0.0063	-2.5 to 2.5	Pass
				40	3.6	-11.745	-0.0063	-2.5 to 2.5	Pass
				50	3.6	-8.769	-0.0047	-2.5 to 2.5	Pass
	1880	15	0	20	3.3	-16.565	-0.0088	-2.5 to 2.5	Pass
					3.6	-36.678	-0.0195	-2.5 to 2.5	Pass
					4.2	-11.315	-0.0060	-2.5 to 2.5	Pass
				-30	3.6	-35.234	-0.0187	-2.5 to 2.5	Pass
				-20	3.6	-30.985	-0.0165	-2.5 to 2.5	Pass
				-10	3.6	-39.997	-0.0213	-2.5 to 2.5	Pass
				0	3.6	-19.283	-0.0103	-2.5 to 2.5	Pass
				10	3.6	-41.456	-0.0221	-2.5 to 2.5	Pass
				30	3.6	-31.643	-0.0168	-2.5 to 2.5	Pass
				40	3.6	-22.516	-0.0120	-2.5 to 2.5	Pass
				50	3.6	-15.235	-0.0081	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.3	-13.862	-0.0073	-2.5 to 2.5	Pass
					3.6	-21.343	-0.0112	-2.5 to 2.5	Pass
					4.2	-37.451	-0.0196	-2.5 to 2.5	Pass
				-30	3.6	-16.809	-0.0088	-2.5 to 2.5	Pass
				-20	3.6	-14.577	-0.0076	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
				-10	3.6	-35.162	-0.0184	-2.5 to 2.5	Pass
				0	3.6	-24.605	-0.0129	-2.5 to 2.5	Pass
				10	3.6	-2.933	-0.0015	-2.5 to 2.5	Pass
				30	3.6	-17.767	-0.0093	-2.5 to 2.5	Pass
				40	3.6	-42.443	-0.0222	-2.5 to 2.5	Pass
				50	3.6	-33.860	-0.0177	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.3	-15.121	-0.0082	-2.5 to 2.5	Pass
					3.6	-24.118	-0.0130	-2.5 to 2.5	Pass
					4.2	-49.911	-0.0270	-2.5 to 2.5	Pass
				-30	3.6	-27.523	-0.0149	-2.5 to 2.5	Pass
				-20	3.6	-27.480	-0.0148	-2.5 to 2.5	Pass
				-10	3.6	-16.336	-0.0088	-2.5 to 2.5	Pass
				0	3.6	-21.043	-0.0114	-2.5 to 2.5	Pass
				10	3.6	-34.304	-0.0185	-2.5 to 2.5	Pass
				30	3.6	-18.339	-0.0099	-2.5 to 2.5	Pass
				40	3.6	-50.869	-0.0275	-2.5 to 2.5	Pass
				50	3.6	-19.670	-0.0106	-2.5 to 2.5	Pass
	1880	15	0	20	3.3	-42.343	-0.0225	-2.5 to 2.5	Pass
					3.6	-27.165	-0.0144	-2.5 to 2.5	Pass
					4.2	-41.270	-0.0220	-2.5 to 2.5	Pass
				-30	3.6	-4.377	-0.0023	-2.5 to 2.5	Pass
				-20	3.6	-24.390	-0.0130	-2.5 to 2.5	Pass
				-10	3.6	-43.101	-0.0229	-2.5 to 2.5	Pass
				0	3.6	-23.046	-0.0123	-2.5 to 2.5	Pass
				10	3.6	-39.110	-0.0208	-2.5 to 2.5	Pass
				30	3.6	6.108	0.0032	-2.5 to 2.5	Pass
				40	3.6	-6.194	-0.0033	-2.5 to 2.5	Pass
				50	3.6	-24.548	-0.0131	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.3	-0.887	-0.0005	-2.5 to 2.5	Pass
					3.6	-24.133	-0.0126	-2.5 to 2.5	Pass
					4.2	-11.301	-0.0059	-2.5 to 2.5	Pass
				-30	3.6	-30.727	-0.0161	-2.5 to 2.5	Pass
				-20	3.6	-50.840	-0.0266	-2.5 to 2.5	Pass
				-10	3.6	-19.054	-0.0100	-2.5 to 2.5	Pass
				0	3.6	-37.594	-0.0197	-2.5 to 2.5	Pass
				10	3.6	-4.964	-0.0026	-2.5 to 2.5	Pass
				30	3.6	-22.345	-0.0117	-2.5 to 2.5	Pass
				40	3.6	-40.069	-0.0210	-2.5 to 2.5	Pass
				50	3.6	-6.666	-0.0035	-2.5 to 2.5	Pass

1.3 B2_5MHz

1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.27	15.221	0.0082	-2.5 to 2.5	Pass
					3.85	17.467	0.0094	-2.5 to 2.5	Pass
					4.43	12.059	0.0065	-2.5 to 2.5	Pass
				-30	3.3	5.050	0.0027	-2.5 to 2.5	Pass
				-20	3.6	-12.603	-0.0068	-2.5 to 2.5	Pass
				-10	4.2	-27.967	-0.0151	-2.5 to 2.5	Pass
				0	3.6	-48.237	-0.0260	-2.5 to 2.5	Pass
				10	3.6	-3.991	-0.0022	-2.5 to 2.5	Pass

16QAM				30	3.6	-23.217	-0.0125	-2.5 to 2.5	Pass
				40	3.6	-21.601	-0.0117	-2.5 to 2.5	Pass
				50	3.6	-25.234	-0.0136	-2.5 to 2.5	Pass
	1880	25	0		3.6	7.639	0.0041	-2.5 to 2.5	Pass
				20	3.6	7.553	0.0040	-2.5 to 2.5	Pass
					3.6	1.459	0.0008	-2.5 to 2.5	Pass
				-30	3.3	-2.375	-0.0013	-2.5 to 2.5	Pass
				-20	3.6	-11.487	-0.0061	-2.5 to 2.5	Pass
				-10	4.2	-19.140	-0.0102	-2.5 to 2.5	Pass
				0	3.6	-28.024	-0.0149	-2.5 to 2.5	Pass
				10	3.6	-38.710	-0.0206	-2.5 to 2.5	Pass
				30	3.6	-46.577	-0.0248	-2.5 to 2.5	Pass
				40	3.6	-18.611	-0.0099	-2.5 to 2.5	Pass
				50	3.6	-30.570	-0.0163	-2.5 to 2.5	Pass
	1907.5	25	0		3.6	-1.445	-0.0008	-2.5 to 2.5	Pass
				20	3.6	-3.076	-0.0016	-2.5 to 2.5	Pass
					3.6	-11.044	-0.0058	-2.5 to 2.5	Pass
				-30	3.3	-20.041	-0.0105	-2.5 to 2.5	Pass
				-20	3.6	-29.225	-0.0153	-2.5 to 2.5	Pass
				-10	4.2	-41.070	-0.0215	-2.5 to 2.5	Pass
				0	3.6	-4.263	-0.0022	-2.5 to 2.5	Pass
				10	3.6	-15.836	-0.0083	-2.5 to 2.5	Pass
				30	3.6	-29.826	-0.0156	-2.5 to 2.5	Pass
				40	3.6	-42.186	-0.0221	-2.5 to 2.5	Pass
				50	3.6	-7.052	-0.0037	-2.5 to 2.5	Pass
16QAM	1852.5	25	0		3.6	-47.936	-0.0259	-2.5 to 2.5	Pass
				20	3.6	-5.908	-0.0032	-2.5 to 2.5	Pass
					3.6	-24.261	-0.0131	-2.5 to 2.5	Pass
				-30	3.3	-22.702	-0.0123	-2.5 to 2.5	Pass
				-20	3.6	-30.313	-0.0164	-2.5 to 2.5	Pass
				-10	4.2	-44.045	-0.0238	-2.5 to 2.5	Pass
				0	3.6	-11.430	-0.0062	-2.5 to 2.5	Pass
				10	3.6	-24.290	-0.0131	-2.5 to 2.5	Pass
				30	3.6	-37.479	-0.0202	-2.5 to 2.5	Pass
				40	3.6	-0.701	-0.0004	-2.5 to 2.5	Pass
				50	3.6	-13.804	-0.0075	-2.5 to 2.5	Pass
	1880	25	0		3.6	-43.459	-0.0231	-2.5 to 2.5	Pass
				20	3.6	-46.349	-0.0247	-2.5 to 2.5	Pass
					3.6	0.973	0.0005	-2.5 to 2.5	Pass
				-30	3.3	-6.280	-0.0033	-2.5 to 2.5	Pass
				-20	3.6	-11.859	-0.0063	-2.5 to 2.5	Pass
				-10	4.2	-18.253	-0.0097	-2.5 to 2.5	Pass
				0	3.6	-24.991	-0.0133	-2.5 to 2.5	Pass
				10	3.6	-31.071	-0.0165	-2.5 to 2.5	Pass
				30	3.6	-35.648	-0.0190	-2.5 to 2.5	Pass
				40	3.6	-41.041	-0.0218	-2.5 to 2.5	Pass
				50	3.6	-48.165	-0.0256	-2.5 to 2.5	Pass
	1907.5	25	0		3.6	-21.501	-0.0113	-2.5 to 2.5	Pass
				20	3.6	-32.473	-0.0170	-2.5 to 2.5	Pass
					3.6	5.164	0.0027	-2.5 to 2.5	Pass
				-30	3.3	-3.891	-0.0020	-2.5 to 2.5	Pass
				-20	3.6	-12.188	-0.0064	-2.5 to 2.5	Pass
				-10	4.2	-24.848	-0.0130	-2.5 to 2.5	Pass
				0	3.6	-34.175	-0.0179	-2.5 to 2.5	Pass
				10	3.6	-46.549	-0.0244	-2.5 to 2.5	Pass
				30	3.6	-5.436	-0.0028	-2.5 to 2.5	Pass
				40	3.6	-14.834	-0.0078	-2.5 to 2.5	Pass

| | | | | 50 | 3.6 | -22.373 | -0.0117 | -2.5 to 2.5 | Pass |

1.4 B2_10MHz

1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.27	16.780	0.0090	-2.5 to 2.5	Pass
					3.85	18.568	0.0100	-2.5 to 2.5	Pass
					4.43	7.238	0.0039	-2.5 to 2.5	Pass
				-30	3.3	-10.157	-0.0055	-2.5 to 2.5	Pass
				-20	3.6	-27.123	-0.0146	-2.5 to 2.5	Pass
				-10	4.2	-45.505	-0.0245	-2.5 to 2.5	Pass
				0	3.6	-30.298	-0.0163	-2.5 to 2.5	Pass
				10	3.6	-6.781	-0.0037	-2.5 to 2.5	Pass
				30	3.6	-7.954	-0.0043	-2.5 to 2.5	Pass
				40	3.6	-29.826	-0.0161	-2.5 to 2.5	Pass
				50	3.6	-15.178	-0.0082	-2.5 to 2.5	Pass
	1880	50	0	20	3.6	14.291	0.0076	-2.5 to 2.5	Pass
					3.6	10.114	0.0054	-2.5 to 2.5	Pass
					3.6	3.791	0.0020	-2.5 to 2.5	Pass
				-30	3.3	-3.719	-0.0020	-2.5 to 2.5	Pass
				-20	3.6	-9.198	-0.0049	-2.5 to 2.5	Pass
				-10	4.2	-17.581	-0.0094	-2.5 to 2.5	Pass
				0	3.6	-26.436	-0.0141	-2.5 to 2.5	Pass
				10	3.6	-34.962	-0.0186	-2.5 to 2.5	Pass
				30	3.6	-41.842	-0.0223	-2.5 to 2.5	Pass
				40	3.6	-10.271	-0.0055	-2.5 to 2.5	Pass
				50	3.6	-10.557	-0.0056	-2.5 to 2.5	Pass
	1905	50	0	20	3.6	8.111	0.0043	-2.5 to 2.5	Pass
					3.6	8.097	0.0043	-2.5 to 2.5	Pass
					3.6	1.817	0.0010	-2.5 to 2.5	Pass
				-30	3.3	-6.766	-0.0036	-2.5 to 2.5	Pass
				-20	3.6	-18.110	-0.0095	-2.5 to 2.5	Pass
				-10	4.2	-31.028	-0.0163	-2.5 to 2.5	Pass
				0	3.6	-43.559	-0.0229	-2.5 to 2.5	Pass
				10	3.6	-48.666	-0.0255	-2.5 to 2.5	Pass
				30	3.6	-15.392	-0.0081	-2.5 to 2.5	Pass
				40	3.6	-26.350	-0.0138	-2.5 to 2.5	Pass
				50	3.6	-33.975	-0.0178	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.6	-38.080	-0.0205	-2.5 to 2.5	Pass
					3.6	-6.108	-0.0033	-2.5 to 2.5	Pass
					3.6	-18.997	-0.0102	-2.5 to 2.5	Pass
				-30	3.3	-29.511	-0.0159	-2.5 to 2.5	Pass
				-20	3.6	-43.187	-0.0233	-2.5 to 2.5	Pass
				-10	4.2	-40.913	-0.0221	-2.5 to 2.5	Pass
				0	3.6	-1.731	-0.0009	-2.5 to 2.5	Pass
				10	3.6	-10.772	-0.0058	-2.5 to 2.5	Pass
				30	3.6	-20.270	-0.0109	-2.5 to 2.5	Pass
				40	3.6	-30.527	-0.0165	-2.5 to 2.5	Pass
				50	3.6	-43.345	-0.0234	-2.5 to 2.5	Pass
	1880	50	0	20	3.6	-18.225	-0.0097	-2.5 to 2.5	Pass
					3.6	-25.363	-0.0135	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
					3.6	-28.009	-0.0149	-2.5 to 2.5	Pass
				-30	3.3	-33.503	-0.0178	-2.5 to 2.5	Pass
				-20	3.6	-34.504	-0.0184	-2.5 to 2.5	Pass
				-10	4.2	-38.738	-0.0206	-2.5 to 2.5	Pass
				0	3.6	-40.040	-0.0213	-2.5 to 2.5	Pass
				10	3.6	-16.651	-0.0089	-2.5 to 2.5	Pass
				30	3.6	0.558	0.0003	-2.5 to 2.5	Pass
				40	3.6	-3.233	-0.0017	-2.5 to 2.5	Pass
				50	3.6	-8.469	-0.0045	-2.5 to 2.5	Pass
	1905	50	0	20	3.6	-0.129	-0.0001	-2.5 to 2.5	Pass
					3.6	-7.811	-0.0041	-2.5 to 2.5	Pass
					3.6	-12.589	-0.0066	-2.5 to 2.5	Pass
				-30	3.3	-17.853	-0.0094	-2.5 to 2.5	Pass
				-20	3.6	-23.875	-0.0125	-2.5 to 2.5	Pass
				-10	4.2	-28.510	-0.0150	-2.5 to 2.5	Pass
				0	3.6	-32.530	-0.0171	-2.5 to 2.5	Pass
				10	3.6	-37.508	-0.0197	-2.5 to 2.5	Pass
				30	3.6	-41.099	-0.0216	-2.5 to 2.5	Pass
				40	3.6	-47.779	-0.0251	-2.5 to 2.5	Pass
				50	3.6	-40.755	-0.0214	-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	34.933	0.0188	-2.5 to 2.5	Pass
					3.6	37.665	0.0203	-2.5 to 2.5	Pass
					4.2	31.271	0.0168	-2.5 to 2.5	Pass
				-30	3.6	19.898	0.0107	-2.5 to 2.5	Pass
				-20	3.6	7.739	0.0042	-2.5 to 2.5	Pass
				-10	3.6	-5.736	-0.0031	-2.5 to 2.5	Pass
				0	3.6	-18.382	-0.0099	-2.5 to 2.5	Pass
				10	3.6	-30.627	-0.0165	-2.5 to 2.5	Pass
				30	3.6	-39.754	-0.0214	-2.5 to 2.5	Pass
				40	3.6	-7.696	-0.0041	-2.5 to 2.5	Pass
				50	3.6	-20.256	-0.0109	-2.5 to 2.5	Pass
	1880	75	0	20	3.3	8.254	0.0044	-2.5 to 2.5	Pass
					3.6	3.591	0.0019	-2.5 to 2.5	Pass
					4.2	-1.588	-0.0008	-2.5 to 2.5	Pass
				-30	3.6	-6.595	-0.0035	-2.5 to 2.5	Pass
				-20	3.6	-10.586	-0.0056	-2.5 to 2.5	Pass
				-10	3.6	-17.939	-0.0095	-2.5 to 2.5	Pass
				0	3.6	-21.958	-0.0117	-2.5 to 2.5	Pass
				10	3.6	-28.052	-0.0149	-2.5 to 2.5	Pass
				30	3.6	-35.734	-0.0190	-2.5 to 2.5	Pass
				40	3.6	-16.708	-0.0089	-2.5 to 2.5	Pass
				50	3.6	-12.503	-0.0067	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.3	16.937	0.0089	-2.5 to 2.5	Pass
					3.6	14.920	0.0078	-2.5 to 2.5	Pass
					4.2	8.240	0.0043	-2.5 to 2.5	Pass
				-30	3.6	2.918	0.0015	-2.5 to 2.5	Pass
				-20	3.6	-2.346	-0.0012	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
				-10	3.6	-11.945	-0.0063	-2.5 to 2.5	Pass
				0	3.6	-19.784	-0.0104	-2.5 to 2.5	Pass
				10	3.6	-29.368	-0.0154	-2.5 to 2.5	Pass
				30	3.6	-36.650	-0.0193	-2.5 to 2.5	Pass
				40	3.6	-46.105	-0.0242	-2.5 to 2.5	Pass
				50	3.6	-5.150	-0.0027	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.3	-32.415	-0.0175	-2.5 to 2.5	Pass
					3.6	-41.857	-0.0225	-2.5 to 2.5	Pass
					4.2	-12.975	-0.0070	-2.5 to 2.5	Pass
				-30	3.6	-19.097	-0.0103	-2.5 to 2.5	Pass
				-20	3.6	-26.107	-0.0141	-2.5 to 2.5	Pass
				-10	3.6	-29.268	-0.0158	-2.5 to 2.5	Pass
				0	3.6	-33.345	-0.0180	-2.5 to 2.5	Pass
				10	3.6	-38.137	-0.0205	-2.5 to 2.5	Pass
				30	3.6	-29.211	-0.0157	-2.5 to 2.5	Pass
				40	3.6	-0.515	-0.0003	-2.5 to 2.5	Pass
				50	3.6	-5.479	-0.0029	-2.5 to 2.5	Pass
	1880	75	0	20	3.3	-19.441	-0.0103	-2.5 to 2.5	Pass
					3.6	-25.449	-0.0135	-2.5 to 2.5	Pass
					4.2	-27.194	-0.0145	-2.5 to 2.5	Pass
				-30	3.6	-30.727	-0.0163	-2.5 to 2.5	Pass
				-20	3.6	-34.161	-0.0182	-2.5 to 2.5	Pass
				-10	3.6	-38.724	-0.0206	-2.5 to 2.5	Pass
				0	3.6	-42.114	-0.0224	-2.5 to 2.5	Pass
				10	3.6	-45.805	-0.0244	-2.5 to 2.5	Pass
				30	3.6	-48.194	-0.0256	-2.5 to 2.5	Pass
				40	3.6	9.413	0.0050	-2.5 to 2.5	Pass
				50	3.6	7.138	0.0038	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.3	-10.729	-0.0056	-2.5 to 2.5	Pass
					3.6	-15.907	-0.0084	-2.5 to 2.5	Pass
					4.2	-17.867	-0.0094	-2.5 to 2.5	Pass
				-30	3.6	-22.001	-0.0116	-2.5 to 2.5	Pass
				-20	3.6	-27.523	-0.0145	-2.5 to 2.5	Pass
				-10	3.6	-33.789	-0.0178	-2.5 to 2.5	Pass
				0	3.6	-34.132	-0.0179	-2.5 to 2.5	Pass
				10	3.6	-38.638	-0.0203	-2.5 to 2.5	Pass
				30	3.6	-41.699	-0.0219	-2.5 to 2.5	Pass
				40	3.6	-46.306	-0.0243	-2.5 to 2.5	Pass
				50	3.6	-28.567	-0.0150	-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	25.706	0.0138	-2.5 to 2.5	Pass
					3.6	22.960	0.0123	-2.5 to 2.5	Pass
					4.2	11.730	0.0063	-2.5 to 2.5	Pass
				-30	3.6	0.916	0.0005	-2.5 to 2.5	Pass
				-20	3.6	-10.257	-0.0055	-2.5 to 2.5	Pass
				-10	3.6	-22.073	-0.0119	-2.5 to 2.5	Pass
				0	3.6	-29.440	-0.0158	-2.5 to 2.5	Pass
				10	3.6	-37.694	-0.0203	-2.5 to 2.5	Pass

				30	3.6	-20.957	-0.0113	-2.5 to 2.5	Pass
				40	3.6	-4.063	-0.0022	-2.5 to 2.5	Pass
				50	3.6	-13.804	-0.0074	-2.5 to 2.5	Pass
	1880	100	0	20	3.3	5.007	0.0027	-2.5 to 2.5	Pass
					3.6	3.691	0.0020	-2.5 to 2.5	Pass
					4.2	0.072	0.0000	-2.5 to 2.5	Pass
				-30	3.6	-4.721	-0.0025	-2.5 to 2.5	Pass
				-20	3.6	-10.185	-0.0054	-2.5 to 2.5	Pass
				-10	3.6	-13.647	-0.0073	-2.5 to 2.5	Pass
				0	3.6	-18.940	-0.0101	-2.5 to 2.5	Pass
				10	3.6	-21.830	-0.0116	-2.5 to 2.5	Pass
				30	3.6	-25.220	-0.0134	-2.5 to 2.5	Pass
				40	3.6	-30.527	-0.0162	-2.5 to 2.5	Pass
				50	3.6	-33.031	-0.0176	-2.5 to 2.5	Pass
	1900	100	0	20	3.3	8.698	0.0046	-2.5 to 2.5	Pass
					3.6	5.908	0.0031	-2.5 to 2.5	Pass
					4.2	1.659	0.0009	-2.5 to 2.5	Pass
				-30	3.6	-0.973	-0.0005	-2.5 to 2.5	Pass
				-20	3.6	-4.306	-0.0023	-2.5 to 2.5	Pass
				-10	3.6	-7.682	-0.0040	-2.5 to 2.5	Pass
				0	3.6	-8.898	-0.0047	-2.5 to 2.5	Pass
				10	3.6	-12.717	-0.0067	-2.5 to 2.5	Pass
				30	3.6	-17.109	-0.0090	-2.5 to 2.5	Pass
				40	3.6	-18.039	-0.0095	-2.5 to 2.5	Pass
				50	3.6	-21.772	-0.0115	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.3	-20.156	-0.0108	-2.5 to 2.5	Pass
					3.6	-24.219	-0.0130	-2.5 to 2.5	Pass
					4.2	-27.924	-0.0150	-2.5 to 2.5	Pass
				-30	3.6	-32.744	-0.0176	-2.5 to 2.5	Pass
				-20	3.6	-34.189	-0.0184	-2.5 to 2.5	Pass
				-10	3.6	-37.351	-0.0201	-2.5 to 2.5	Pass
				0	3.6	-42.000	-0.0226	-2.5 to 2.5	Pass
				10	3.6	-44.260	-0.0238	-2.5 to 2.5	Pass
				30	3.6	-48.952	-0.0263	-2.5 to 2.5	Pass
				40	3.6	-50.998	-0.0274	-2.5 to 2.5	Pass
				50	3.6	-53.144	-0.0286	-2.5 to 2.5	Pass
	1880	100	0	20	3.3	-38.080	-0.0203	-2.5 to 2.5	Pass
					3.6	-39.868	-0.0212	-2.5 to 2.5	Pass
					4.2	-40.026	-0.0213	-2.5 to 2.5	Pass
				-30	3.6	-44.932	-0.0239	-2.5 to 2.5	Pass
				-20	3.6	-46.692	-0.0248	-2.5 to 2.5	Pass
				-10	3.6	-48.265	-0.0257	-2.5 to 2.5	Pass
				0	3.6	-49.896	-0.0265	-2.5 to 2.5	Pass
				10	3.6	-44.189	-0.0235	-2.5 to 2.5	Pass
				30	3.6	10.285	0.0055	-2.5 to 2.5	Pass
				40	3.6	9.155	0.0049	-2.5 to 2.5	Pass
				50	3.6	8.783	0.0047	-2.5 to 2.5	Pass
	1900	100	0	20	3.3	-24.490	-0.0129	-2.5 to 2.5	Pass
					3.6	-23.975	-0.0126	-2.5 to 2.5	Pass
					4.2	-25.635	-0.0135	-2.5 to 2.5	Pass
				-30	3.6	-26.150	-0.0138	-2.5 to 2.5	Pass
				-20	3.6	-26.436	-0.0139	-2.5 to 2.5	Pass
				-10	3.6	-28.224	-0.0149	-2.5 to 2.5	Pass
				0	3.6	-29.669	-0.0156	-2.5 to 2.5	Pass
				10	3.6	-31.157	-0.0164	-2.5 to 2.5	Pass
				30	3.6	-32.558	-0.0171	-2.5 to 2.5	Pass
				40	3.6	-35.019	-0.0184	-2.5 to 2.5	Pass

| | | | | 50 | 3.6 | -36.678 | -0.0193 | -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	-18.368	-0.0071	-2.5 to 2.5	Pass
					3.6	-30.756	-0.0120	-2.5 to 2.5	Pass
					4.2	-41.142	-0.0160	-2.5 to 2.5	Pass
				-30	3.6	-54.231	-0.0211	-2.5 to 2.5	Pass
				-20	3.6	-35.577	-0.0138	-2.5 to 2.5	Pass
				-10	3.6	-29.082	-0.0113	-2.5 to 2.5	Pass
				0	3.6	-31.829	-0.0124	-2.5 to 2.5	Pass
				10	3.6	-35.033	-0.0136	-2.5 to 2.5	Pass
				30	3.6	-38.967	-0.0151	-2.5 to 2.5	Pass
				40	3.6	-39.425	-0.0153	-2.5 to 2.5	Pass
				50	3.6	-39.268	-0.0153	-2.5 to 2.5	Pass
	2595	25	0	20	3.3	-36.507	-0.0141	-2.5 to 2.5	Pass
					3.6	-42.415	-0.0163	-2.5 to 2.5	Pass
					4.2	-49.911	-0.0192	-2.5 to 2.5	Pass
				-30	3.6	-15.450	-0.0060	-2.5 to 2.5	Pass
				-20	3.6	3.920	0.0015	-2.5 to 2.5	Pass
				-10	3.6	0.529	0.0002	-2.5 to 2.5	Pass
				0	3.6	-0.443	-0.0002	-2.5 to 2.5	Pass
				10	3.6	-2.418	-0.0009	-2.5 to 2.5	Pass
				30	3.6	-5.407	-0.0021	-2.5 to 2.5	Pass
				40	3.6	-5.536	-0.0021	-2.5 to 2.5	Pass
				50	3.6	-5.980	-0.0023	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.3	8.068	0.0031	-2.5 to 2.5	Pass
					3.6	14.992	0.0057	-2.5 to 2.5	Pass
					4.2	4.435	0.0017	-2.5 to 2.5	Pass
				-30	3.6	5.937	0.0023	-2.5 to 2.5	Pass
				-20	3.6	1.316	0.0005	-2.5 to 2.5	Pass
				-10	3.6	-4.821	-0.0018	-2.5 to 2.5	Pass
				0	3.6	-7.625	-0.0029	-2.5 to 2.5	Pass
				10	3.6	-7.138	-0.0027	-2.5 to 2.5	Pass
				30	3.6	-3.090	-0.0012	-2.5 to 2.5	Pass
				40	3.6	-2.432	-0.0009	-2.5 to 2.5	Pass
				50	3.6	-11.559	-0.0044	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.3	-38.438	-0.0149	-2.5 to 2.5	Pass
					3.6	-39.697	-0.0154	-2.5 to 2.5	Pass
					4.2	-38.123	-0.0148	-2.5 to 2.5	Pass
				-30	3.6	-43.345	-0.0168	-2.5 to 2.5	Pass
				-20	3.6	-33.903	-0.0132	-2.5 to 2.5	Pass
				-10	3.6	-43.802	-0.0170	-2.5 to 2.5	Pass
				0	3.6	-47.622	-0.0185	-2.5 to 2.5	Pass
				10	3.6	-49.739	-0.0193	-2.5 to 2.5	Pass
				30	3.6	-51.827	-0.0201	-2.5 to 2.5	Pass
				40	3.6	-4.764	-0.0019	-2.5 to 2.5	Pass

			50	3.6	-15.664	-0.0061	-2.5 to 2.5	Pass
			20	3.3	-5.879	-0.0023	-2.5 to 2.5	Pass
				3.6	-6.523	-0.0025	-2.5 to 2.5	Pass
				4.2	-8.640	-0.0033	-2.5 to 2.5	Pass
			-30	3.6	-8.297	-0.0032	-2.5 to 2.5	Pass
			-20	3.6	-9.327	-0.0036	-2.5 to 2.5	Pass
2595	25	0	-10	3.6	-9.656	-0.0037	-2.5 to 2.5	Pass
			0	3.6	-21.386	-0.0082	-2.5 to 2.5	Pass
			10	3.6	-17.738	-0.0068	-2.5 to 2.5	Pass
			30	3.6	-27.552	-0.0106	-2.5 to 2.5	Pass
			40	3.6	-28.481	-0.0110	-2.5 to 2.5	Pass
			50	3.6	-30.026	-0.0116	-2.5 to 2.5	Pass
			20	3.3	-6.394	-0.0024	-2.5 to 2.5	Pass
				3.6	-3.891	-0.0015	-2.5 to 2.5	Pass
				4.2	-4.764	-0.0018	-2.5 to 2.5	Pass
			-30	3.6	1.888	0.0007	-2.5 to 2.5	Pass
			-20	3.6	-5.894	-0.0023	-2.5 to 2.5	Pass
2617.5	25	0	-10	3.6	-6.495	-0.0025	-2.5 to 2.5	Pass
			0	3.6	-4.292	-0.0016	-2.5 to 2.5	Pass
			10	3.6	-7.195	-0.0027	-2.5 to 2.5	Pass
			30	3.6	-7.410	-0.0028	-2.5 to 2.5	Pass
			40	3.6	-3.762	-0.0014	-2.5 to 2.5	Pass
			50	3.6	-7.339	-0.0028	-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	-23.146	-0.0090	-2.5 to 2.5	Pass
					3.6	-50.354	-0.0196	-2.5 to 2.5	Pass
					4.2	-2.961	-0.0011	-2.5 to 2.5	Pass
				-30	3.6	-2.232	-0.0009	-2.5 to 2.5	Pass
				-20	3.6	-15.635	-0.0061	-2.5 to 2.5	Pass
				-10	3.6	-18.725	-0.0073	-2.5 to 2.5	Pass
				0	3.6	-18.682	-0.0073	-2.5 to 2.5	Pass
				10	3.6	-12.488	-0.0048	-2.5 to 2.5	Pass
				30	3.6	-15.206	-0.0059	-2.5 to 2.5	Pass
				40	3.6	-22.116	-0.0086	-2.5 to 2.5	Pass
				50	3.6	-12.846	-0.0050	-2.5 to 2.5	Pass
	2595	50	0	20	3.3	-0.629	-0.0002	-2.5 to 2.5	Pass
					3.6	-8.526	-0.0033	-2.5 to 2.5	Pass
					4.2	-11.215	-0.0043	-2.5 to 2.5	Pass
				-30	3.6	-17.867	-0.0069	-2.5 to 2.5	Pass
				-20	3.6	-21.029	-0.0081	-2.5 to 2.5	Pass
				-10	3.6	-16.265	-0.0063	-2.5 to 2.5	Pass
				0	3.6	-17.924	-0.0069	-2.5 to 2.5	Pass
				10	3.6	-17.195	-0.0066	-2.5 to 2.5	Pass
				30	3.6	-24.490	-0.0094	-2.5 to 2.5	Pass
				40	3.6	-18.497	-0.0071	-2.5 to 2.5	Pass
				50	3.6	-15.349	-0.0059	-2.5 to 2.5	Pass
	2615	50	0	20	3.3	-15.578	-0.0060	-2.5 to 2.5	Pass
					3.6	-19.841	-0.0076	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
					4.2	-28.281	-0.0108	-2.5 to 2.5	Pass
				-30	3.6	-26.865	-0.0103	-2.5 to 2.5	Pass
				-20	3.6	-33.531	-0.0128	-2.5 to 2.5	Pass
				-10	3.6	-33.374	-0.0128	-2.5 to 2.5	Pass
				0	3.6	-22.860	-0.0087	-2.5 to 2.5	Pass
				10	3.6	-28.410	-0.0109	-2.5 to 2.5	Pass
				30	3.6	-26.479	-0.0101	-2.5 to 2.5	Pass
				40	3.6	-26.007	-0.0099	-2.5 to 2.5	Pass
				50	3.6	-28.696	-0.0110	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.3	-14.935	-0.0058	-2.5 to 2.5	Pass
					3.6	-17.266	-0.0067	-2.5 to 2.5	Pass
					4.2	-20.499	-0.0080	-2.5 to 2.5	Pass
				-30	3.6	-14.806	-0.0057	-2.5 to 2.5	Pass
				-20	3.6	-24.176	-0.0094	-2.5 to 2.5	Pass
				-10	3.6	-22.545	-0.0088	-2.5 to 2.5	Pass
				0	3.6	-25.234	-0.0098	-2.5 to 2.5	Pass
				10	3.6	-31.857	-0.0124	-2.5 to 2.5	Pass
				30	3.6	-43.902	-0.0170	-2.5 to 2.5	Pass
				40	3.6	-39.024	-0.0152	-2.5 to 2.5	Pass
				50	3.6	-49.610	-0.0193	-2.5 to 2.5	Pass
	2595	50	0	20	3.3	-16.994	-0.0065	-2.5 to 2.5	Pass
					3.6	-12.431	-0.0048	-2.5 to 2.5	Pass
					4.2	-10.600	-0.0041	-2.5 to 2.5	Pass
				-30	3.6	-12.546	-0.0048	-2.5 to 2.5	Pass
				-20	3.6	-15.721	-0.0061	-2.5 to 2.5	Pass
				-10	3.6	-23.274	-0.0090	-2.5 to 2.5	Pass
				0	3.6	-21.930	-0.0085	-2.5 to 2.5	Pass
				10	3.6	-24.204	-0.0093	-2.5 to 2.5	Pass
				30	3.6	-29.411	-0.0113	-2.5 to 2.5	Pass
				40	3.6	-33.517	-0.0129	-2.5 to 2.5	Pass
				50	3.6	-31.972	-0.0123	-2.5 to 2.5	Pass
	2615	50	0	20	3.3	-31.328	-0.0120	-2.5 to 2.5	Pass
					3.6	-28.510	-0.0109	-2.5 to 2.5	Pass
					4.2	-30.770	-0.0118	-2.5 to 2.5	Pass
				-30	3.6	-23.818	-0.0091	-2.5 to 2.5	Pass
				-20	3.6	-32.616	-0.0125	-2.5 to 2.5	Pass
				-10	3.6	-37.322	-0.0143	-2.5 to 2.5	Pass
				0	3.6	-38.781	-0.0148	-2.5 to 2.5	Pass
				10	3.6	-34.447	-0.0132	-2.5 to 2.5	Pass
				30	3.6	-43.001	-0.0164	-2.5 to 2.5	Pass
				40	3.6	-43.230	-0.0165	-2.5 to 2.5	Pass
				50	3.6	-36.178	-0.0138	-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	-4.921	-0.0019	-2.5 to 2.5	Pass
					3.6	-23.847	-0.0093	-2.5 to 2.5	Pass
					4.2	-33.760	-0.0131	-2.5 to 2.5	Pass
				-30	3.6	-36.335	-0.0141	-2.5 to 2.5	Pass
				-20	3.6	-36.135	-0.0140	-2.5 to 2.5	Pass

				-10	3.6	-34.890	-0.0135	-2.5 to 2.5	Pass
				0	3.6	-27.523	-0.0107	-2.5 to 2.5	Pass
				10	3.6	-38.753	-0.0150	-2.5 to 2.5	Pass
				30	3.6	-35.033	-0.0136	-2.5 to 2.5	Pass
				40	3.6	-36.292	-0.0141	-2.5 to 2.5	Pass
				50	3.6	-24.004	-0.0093	-2.5 to 2.5	Pass
	2595	75	0		3.3	-17.052	-0.0066	-2.5 to 2.5	Pass
				20	3.6	-25.091	-0.0097	-2.5 to 2.5	Pass
					4.2	-33.045	-0.0127	-2.5 to 2.5	Pass
				-30	3.6	-31.257	-0.0120	-2.5 to 2.5	Pass
				-20	3.6	-25.377	-0.0098	-2.5 to 2.5	Pass
				-10	3.6	-27.609	-0.0106	-2.5 to 2.5	Pass
				0	3.6	-27.237	-0.0105	-2.5 to 2.5	Pass
				10	3.6	-26.708	-0.0103	-2.5 to 2.5	Pass
				30	3.6	-26.507	-0.0102	-2.5 to 2.5	Pass
				40	3.6	-34.003	-0.0131	-2.5 to 2.5	Pass
				50	3.6	-25.163	-0.0097	-2.5 to 2.5	Pass
	2612.5	75	0		3.3	-12.231	-0.0047	-2.5 to 2.5	Pass
				20	3.6	-14.048	-0.0054	-2.5 to 2.5	Pass
					4.2	-15.049	-0.0058	-2.5 to 2.5	Pass
				-30	3.6	-19.712	-0.0075	-2.5 to 2.5	Pass
				-20	3.6	-19.712	-0.0075	-2.5 to 2.5	Pass
				-10	3.6	-19.941	-0.0076	-2.5 to 2.5	Pass
				0	3.6	-20.256	-0.0078	-2.5 to 2.5	Pass
				10	3.6	-19.312	-0.0074	-2.5 to 2.5	Pass
				30	3.6	-16.150	-0.0062	-2.5 to 2.5	Pass
				40	3.6	-3.004	-0.0011	-2.5 to 2.5	Pass
				50	3.6	-4.463	-0.0017	-2.5 to 2.5	Pass
16QAM	2577.5	75	0		3.3	-28.396	-0.0110	-2.5 to 2.5	Pass
				20	3.6	-23.260	-0.0090	-2.5 to 2.5	Pass
					4.2	-20.199	-0.0078	-2.5 to 2.5	Pass
				-30	3.6	-30.713	-0.0119	-2.5 to 2.5	Pass
				-20	3.6	-28.424	-0.0110	-2.5 to 2.5	Pass
				-10	3.6	-36.278	-0.0141	-2.5 to 2.5	Pass
				0	3.6	-29.955	-0.0116	-2.5 to 2.5	Pass
				10	3.6	-41.814	-0.0162	-2.5 to 2.5	Pass
				30	3.6	-45.991	-0.0178	-2.5 to 2.5	Pass
				40	3.6	-40.383	-0.0157	-2.5 to 2.5	Pass
				50	3.6	-46.992	-0.0182	-2.5 to 2.5	Pass
	2595	75	0		3.3	-21.300	-0.0082	-2.5 to 2.5	Pass
				20	3.6	-20.814	-0.0080	-2.5 to 2.5	Pass
					4.2	-25.592	-0.0099	-2.5 to 2.5	Pass
				-30	3.6	-18.911	-0.0073	-2.5 to 2.5	Pass
				-20	3.6	-29.883	-0.0115	-2.5 to 2.5	Pass
				-10	3.6	-28.739	-0.0111	-2.5 to 2.5	Pass
				0	3.6	-22.931	-0.0088	-2.5 to 2.5	Pass
				10	3.6	-35.477	-0.0137	-2.5 to 2.5	Pass
				30	3.6	-30.642	-0.0118	-2.5 to 2.5	Pass
				40	3.6	-29.583	-0.0114	-2.5 to 2.5	Pass
				50	3.6	-40.870	-0.0157	-2.5 to 2.5	Pass
	2612.5	75	0		3.3	-11.015	-0.0042	-2.5 to 2.5	Pass
				20	3.6	-1.130	-0.0004	-2.5 to 2.5	Pass
					4.2	-9.284	-0.0036	-2.5 to 2.5	Pass
				-30	3.6	-10.228	-0.0039	-2.5 to 2.5	Pass
				-20	3.6	-11.344	-0.0043	-2.5 to 2.5	Pass
				-10	3.6	-3.161	-0.0012	-2.5 to 2.5	Pass
				0	3.6	-3.419	-0.0013	-2.5 to 2.5	Pass

				10	3.6	-17.495	-0.0067	-2.5 to 2.5	Pass
				30	3.6	-5.579	-0.0021	-2.5 to 2.5	Pass
				40	3.6	-10.057	-0.0038	-2.5 to 2.5	Pass
				50	3.6	-11.873	-0.0045	-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	17.996	0.0070	-2.5 to 2.5	Pass
					3.6	-2.203	-0.0009	-2.5 to 2.5	Pass
					4.2	-5.794	-0.0022	-2.5 to 2.5	Pass
				-30	3.6	-8.411	-0.0033	-2.5 to 2.5	Pass
				-20	3.6	7.524	0.0029	-2.5 to 2.5	Pass
				-10	3.6	3.176	0.0012	-2.5 to 2.5	Pass
				0	3.6	-6.638	-0.0026	-2.5 to 2.5	Pass
				10	3.6	1.116	0.0004	-2.5 to 2.5	Pass
				30	3.6	1.459	0.0006	-2.5 to 2.5	Pass
				40	3.6	4.077	0.0016	-2.5 to 2.5	Pass
				50	3.6	7.768	0.0030	-2.5 to 2.5	Pass
	2595	100	0	20	3.3	-28.911	-0.0111	-2.5 to 2.5	Pass
					3.6	-33.717	-0.0130	-2.5 to 2.5	Pass
					4.2	-35.734	-0.0138	-2.5 to 2.5	Pass
				-30	3.6	-29.955	-0.0115	-2.5 to 2.5	Pass
				-20	3.6	-40.483	-0.0156	-2.5 to 2.5	Pass
				-10	3.6	-39.525	-0.0152	-2.5 to 2.5	Pass
				0	3.6	-38.323	-0.0148	-2.5 to 2.5	Pass
				10	3.6	-32.530	-0.0125	-2.5 to 2.5	Pass
				30	3.6	-31.886	-0.0123	-2.5 to 2.5	Pass
				40	3.6	-31.514	-0.0121	-2.5 to 2.5	Pass
				50	3.6	-32.158	-0.0124	-2.5 to 2.5	Pass
	2610	100	0	20	3.3	-26.393	-0.0101	-2.5 to 2.5	Pass
					3.6	-29.955	-0.0115	-2.5 to 2.5	Pass
					4.2	-30.928	-0.0118	-2.5 to 2.5	Pass
				-30	3.6	-30.942	-0.0119	-2.5 to 2.5	Pass
				-20	3.6	-31.772	-0.0122	-2.5 to 2.5	Pass
				-10	3.6	-31.414	-0.0120	-2.5 to 2.5	Pass
				0	3.6	-27.652	-0.0106	-2.5 to 2.5	Pass
				10	3.6	-26.865	-0.0103	-2.5 to 2.5	Pass
				30	3.6	-38.981	-0.0149	-2.5 to 2.5	Pass
				40	3.6	-32.058	-0.0123	-2.5 to 2.5	Pass
				50	3.6	-33.531	-0.0128	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.3	-2.990	-0.0012	-2.5 to 2.5	Pass
					3.6	-2.875	-0.0011	-2.5 to 2.5	Pass
					4.2	4.535	0.0018	-2.5 to 2.5	Pass
				-30	3.6	-7.424	-0.0029	-2.5 to 2.5	Pass
				-20	3.6	-4.206	-0.0016	-2.5 to 2.5	Pass
				-10	3.6	-11.673	-0.0045	-2.5 to 2.5	Pass
				0	3.6	-13.590	-0.0053	-2.5 to 2.5	Pass
				10	3.6	-10.657	-0.0041	-2.5 to 2.5	Pass
				30	3.6	-9.298	-0.0036	-2.5 to 2.5	Pass
				40	3.6	-15.779	-0.0061	-2.5 to 2.5	Pass

				Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
				50	3.6	-13.633	-0.0053	-2.5 to 2.5	Pass
					3.3	-35.648	-0.0137	-2.5 to 2.5	Pass
				20	3.6	-32.301	-0.0124	-2.5 to 2.5	Pass
					4.2	-33.674	-0.0130	-2.5 to 2.5	Pass
				-30	3.6	-33.932	-0.0131	-2.5 to 2.5	Pass
				-20	3.6	-28.610	-0.0110	-2.5 to 2.5	Pass
	2595	100	0	-10	3.6	-33.889	-0.0131	-2.5 to 2.5	Pass
				0	3.6	-35.419	-0.0136	-2.5 to 2.5	Pass
				10	3.6	-27.709	-0.0107	-2.5 to 2.5	Pass
				30	3.6	-33.145	-0.0128	-2.5 to 2.5	Pass
				40	3.6	-33.689	-0.0130	-2.5 to 2.5	Pass
				50	3.6	-35.534	-0.0137	-2.5 to 2.5	Pass
					3.3	-20.213	-0.0077	-2.5 to 2.5	Pass
				20	3.6	-18.325	-0.0070	-2.5 to 2.5	Pass
					4.2	-18.697	-0.0072	-2.5 to 2.5	Pass
				-30	3.6	-20.385	-0.0078	-2.5 to 2.5	Pass
				-20	3.6	-20.914	-0.0080	-2.5 to 2.5	Pass
	2610	100	0	-10	3.6	-20.528	-0.0079	-2.5 to 2.5	Pass
				0	3.6	-26.050	-0.0100	-2.5 to 2.5	Pass
				10	3.6	-21.000	-0.0080	-2.5 to 2.5	Pass
				30	3.6	-21.086	-0.0081	-2.5 to 2.5	Pass
				40	3.6	-24.605	-0.0094	-2.5 to 2.5	Pass
				50	3.6	-27.552	-0.0106	-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	7.310	0.0043	-2.5 to 2.5	Pass
					3.6	-0.772	-0.0005	-2.5 to 2.5	Pass
					4.2	-6.881	-0.0040	-2.5 to 2.5	Pass
				-30	3.6	-12.989	-0.0076	-2.5 to 2.5	Pass
				-20	3.6	-21.915	-0.0128	-2.5 to 2.5	Pass
				-10	3.6	-24.219	-0.0142	-2.5 to 2.5	Pass
				0	3.6	2.675	0.0016	-2.5 to 2.5	Pass
				10	3.6	-1.674	-0.0010	-2.5 to 2.5	Pass
				30	3.6	-7.396	-0.0043	-2.5 to 2.5	Pass
				40	3.6	-12.016	-0.0070	-2.5 to 2.5	Pass
				50	3.6	-18.168	-0.0106	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.3	1.287	0.0007	-2.5 to 2.5	Pass
					3.6	0.944	0.0005	-2.5 to 2.5	Pass
					4.2	0.672	0.0004	-2.5 to 2.5	Pass
				-30	3.6	-5.293	-0.0031	-2.5 to 2.5	Pass
				-20	3.6	-6.795	-0.0039	-2.5 to 2.5	Pass
				-10	3.6	-7.739	-0.0045	-2.5 to 2.5	Pass
				0	3.6	-8.411	-0.0049	-2.5 to 2.5	Pass
				10	3.6	-9.284	-0.0054	-2.5 to 2.5	Pass
				30	3.6	-10.257	-0.0059	-2.5 to 2.5	Pass
				40	3.6	-12.059	-0.0070	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
				50	3.6	-13.847	-0.0080	-2.5 to 2.5	Pass
					3.3	0.501	0.0003	-2.5 to 2.5	Pass
				20	3.6	-10.343	-0.0059	-2.5 to 2.5	Pass
					4.2	-17.767	-0.0101	-2.5 to 2.5	Pass
				-30	3.6	-26.522	-0.0151	-2.5 to 2.5	Pass
				-20	3.6	-39.511	-0.0225	-2.5 to 2.5	Pass
	1754.3	6	0	-10	3.6	-25.849	-0.0147	-2.5 to 2.5	Pass
				0	3.6	-33.631	-0.0192	-2.5 to 2.5	Pass
				10	3.6	-45.147	-0.0257	-2.5 to 2.5	Pass
				30	3.6	-4.263	-0.0024	-2.5 to 2.5	Pass
				40	3.6	-10.514	-0.0060	-2.5 to 2.5	Pass
				50	3.6	-20.270	-0.0116	-2.5 to 2.5	Pass
					3.3	-20.843	-0.0122	-2.5 to 2.5	Pass
				20	3.6	-24.834	-0.0145	-2.5 to 2.5	Pass
					4.2	-30.556	-0.0179	-2.5 to 2.5	Pass
				-30	3.6	-31.343	-0.0183	-2.5 to 2.5	Pass
				-20	3.6	-33.488	-0.0196	-2.5 to 2.5	Pass
	1710.7	6	0	-10	3.6	12.932	0.0076	-2.5 to 2.5	Pass
				0	3.6	12.875	0.0075	-2.5 to 2.5	Pass
				10	3.6	14.119	0.0083	-2.5 to 2.5	Pass
				30	3.6	14.262	0.0083	-2.5 to 2.5	Pass
				40	3.6	11.973	0.0070	-2.5 to 2.5	Pass
				50	3.6	10.257	0.0060	-2.5 to 2.5	Pass
					3.3	-15.593	-0.0090	-2.5 to 2.5	Pass
				20	3.6	-14.834	-0.0086	-2.5 to 2.5	Pass
					4.2	-13.947	-0.0081	-2.5 to 2.5	Pass
				-30	3.6	-13.132	-0.0076	-2.5 to 2.5	Pass
				-20	3.6	-13.032	-0.0075	-2.5 to 2.5	Pass
16QAM	1732.5	6	0	-10	3.6	-11.687	-0.0067	-2.5 to 2.5	Pass
				0	3.6	-13.719	-0.0079	-2.5 to 2.5	Pass
				10	3.6	-11.802	-0.0068	-2.5 to 2.5	Pass
				30	3.6	-10.085	-0.0058	-2.5 to 2.5	Pass
				40	3.6	-11.158	-0.0064	-2.5 to 2.5	Pass
				50	3.6	-10.614	-0.0061	-2.5 to 2.5	Pass
					3.3	-26.650	-0.0152	-2.5 to 2.5	Pass
				20	3.6	-30.069	-0.0171	-2.5 to 2.5	Pass
					4.2	-36.807	-0.0210	-2.5 to 2.5	Pass
				-30	3.6	9.084	0.0052	-2.5 to 2.5	Pass
				-20	3.6	6.452	0.0037	-2.5 to 2.5	Pass
	1754.3	6	0	-10	3.6	2.904	0.0017	-2.5 to 2.5	Pass
				0	3.6	1.860	0.0011	-2.5 to 2.5	Pass
				10	3.6	-1.802	-0.0010	-2.5 to 2.5	Pass
				30	3.6	-3.490	-0.0020	-2.5 to 2.5	Pass
				40	3.6	-5.078	-0.0029	-2.5 to 2.5	Pass
				50	3.6	-6.409	-0.0037	-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	5.293	0.0031	-2.5 to 2.5	Pass
					3.6	-2.232	-0.0013	-2.5 to 2.5	Pass

Modulation	Frequency								
					4.2	-7.854	-0.0046	-2.5 to 2.5	Pass
				-30	3.6	-19.970	-0.0117	-2.5 to 2.5	Pass
				-20	3.6	-28.811	-0.0168	-2.5 to 2.5	Pass
				-10	3.6	-1.373	-0.0008	-2.5 to 2.5	Pass
				0	3.6	-9.341	-0.0055	-2.5 to 2.5	Pass
				10	3.6	-17.109	-0.0100	-2.5 to 2.5	Pass
				30	3.6	-22.430	-0.0131	-2.5 to 2.5	Pass
				40	3.6	-29.497	-0.0172	-2.5 to 2.5	Pass
				50	3.6	-36.092	-0.0211	-2.5 to 2.5	Pass
	1732.5	15	0		3.3	3.033	0.0018	-2.5 to 2.5	Pass
				20	3.6	2.217	0.0013	-2.5 to 2.5	Pass
					4.2	-0.529	-0.0003	-2.5 to 2.5	Pass
				-30	3.6	-4.964	-0.0029	-2.5 to 2.5	Pass
				-20	3.6	-7.896	-0.0046	-2.5 to 2.5	Pass
				-10	3.6	-10.700	-0.0062	-2.5 to 2.5	Pass
				0	3.6	-15.035	-0.0087	-2.5 to 2.5	Pass
				10	3.6	-15.635	-0.0090	-2.5 to 2.5	Pass
				30	3.6	-18.110	-0.0105	-2.5 to 2.5	Pass
				40	3.6	-21.100	-0.0122	-2.5 to 2.5	Pass
				50	3.6	-19.770	-0.0114	-2.5 to 2.5	Pass
	1753.5	15	0		3.3	11.230	0.0064	-2.5 to 2.5	Pass
				20	3.6	9.913	0.0057	-2.5 to 2.5	Pass
					4.2	8.097	0.0046	-2.5 to 2.5	Pass
				-30	3.6	7.410	0.0042	-2.5 to 2.5	Pass
				-20	3.6	7.467	0.0043	-2.5 to 2.5	Pass
				-10	3.6	8.383	0.0048	-2.5 to 2.5	Pass
				0	3.6	7.668	0.0044	-2.5 to 2.5	Pass
				10	3.6	9.656	0.0055	-2.5 to 2.5	Pass
				30	3.6	9.198	0.0052	-2.5 to 2.5	Pass
				40	3.6	8.883	0.0051	-2.5 to 2.5	Pass
				50	3.6	9.742	0.0056	-2.5 to 2.5	Pass
16QAM	1711.5	15	0		3.3	-2.489	-0.0015	-2.5 to 2.5	Pass
				20	3.6	-10.071	-0.0059	-2.5 to 2.5	Pass
					4.2	-13.418	-0.0078	-2.5 to 2.5	Pass
				-30	3.6	-16.952	-0.0099	-2.5 to 2.5	Pass
				-20	3.6	-22.087	-0.0129	-2.5 to 2.5	Pass
				-10	3.6	-25.063	-0.0146	-2.5 to 2.5	Pass
				0	3.6	-26.708	-0.0156	-2.5 to 2.5	Pass
				10	3.6	-31.929	-0.0187	-2.5 to 2.5	Pass
				30	3.6	-33.102	-0.0193	-2.5 to 2.5	Pass
				40	3.6	-36.936	-0.0216	-2.5 to 2.5	Pass
				50	3.6	-38.753	-0.0226	-2.5 to 2.5	Pass
	1732.5	15	0		3.3	-24.247	-0.0140	-2.5 to 2.5	Pass
				20	3.6	-25.606	-0.0148	-2.5 to 2.5	Pass
					4.2	-25.420	-0.0147	-2.5 to 2.5	Pass
				-30	3.6	-25.907	-0.0150	-2.5 to 2.5	Pass
				-20	3.6	-23.561	-0.0136	-2.5 to 2.5	Pass
				-10	3.6	-25.706	-0.0148	-2.5 to 2.5	Pass
				0	3.6	-24.018	-0.0139	-2.5 to 2.5	Pass
				10	3.6	-25.663	-0.0148	-2.5 to 2.5	Pass
				30	3.6	-24.948	-0.0144	-2.5 to 2.5	Pass
				40	3.6	-24.204	-0.0140	-2.5 to 2.5	Pass
				50	3.6	-25.449	-0.0147	-2.5 to 2.5	Pass
	1753.5	15	0		3.3	9.770	0.0056	-2.5 to 2.5	Pass
				20	3.6	12.088	0.0069	-2.5 to 2.5	Pass
					4.2	14.148	0.0081	-2.5 to 2.5	Pass
				-30	3.6	14.062	0.0080	-2.5 to 2.5	Pass

			-20	3.6	17.538	0.0100	-2.5 to 2.5	Pass
			-10	3.6	17.896	0.0102	-2.5 to 2.5	Pass
			0	3.6	18.411	0.0105	-2.5 to 2.5	Pass
			10	3.6	21.429	0.0122	-2.5 to 2.5	Pass
			30	3.6	21.501	0.0123	-2.5 to 2.5	Pass
			40	3.6	22.874	0.0130	-2.5 to 2.5	Pass
			50	3.6	24.719	0.0141	-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	8.612	0.0050	-2.5 to 2.5	Pass
					3.6	1.688	0.0010	-2.5 to 2.5	Pass
					4.2	-4.678	-0.0027	-2.5 to 2.5	Pass
				-30	3.6	-12.031	-0.0070	-2.5 to 2.5	Pass
				-20	3.6	-19.326	-0.0113	-2.5 to 2.5	Pass
				-10	3.6	-24.691	-0.0144	-2.5 to 2.5	Pass
				0	3.6	-27.123	-0.0158	-2.5 to 2.5	Pass
				10	3.6	-33.116	-0.0193	-2.5 to 2.5	Pass
				30	3.6	-39.153	-0.0229	-2.5 to 2.5	Pass
				40	3.6	-39.783	-0.0232	-2.5 to 2.5	Pass
				50	3.6	-7.081	-0.0041	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.3	3.147	0.0018	-2.5 to 2.5	Pass
					3.6	3.190	0.0018	-2.5 to 2.5	Pass
					4.2	1.359	0.0008	-2.5 to 2.5	Pass
				-30	3.6	-0.930	-0.0005	-2.5 to 2.5	Pass
				-20	3.6	-1.130	-0.0007	-2.5 to 2.5	Pass
				-10	3.6	-0.501	-0.0003	-2.5 to 2.5	Pass
				0	3.6	-3.061	-0.0018	-2.5 to 2.5	Pass
				10	3.6	-3.519	-0.0020	-2.5 to 2.5	Pass
				30	3.6	-6.309	-0.0036	-2.5 to 2.5	Pass
				40	3.6	-4.234	-0.0024	-2.5 to 2.5	Pass
				50	3.6	-7.439	-0.0043	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.3	0.744	0.0004	-2.5 to 2.5	Pass
					3.6	3.290	0.0019	-2.5 to 2.5	Pass
					4.2	2.160	0.0012	-2.5 to 2.5	Pass
				-30	3.6	3.333	0.0019	-2.5 to 2.5	Pass
				-20	3.6	2.918	0.0017	-2.5 to 2.5	Pass
				-10	3.6	4.807	0.0027	-2.5 to 2.5	Pass
				0	3.6	5.536	0.0032	-2.5 to 2.5	Pass
				10	3.6	5.336	0.0030	-2.5 to 2.5	Pass
				30	3.6	8.612	0.0049	-2.5 to 2.5	Pass
				40	3.6	9.885	0.0056	-2.5 to 2.5	Pass
				50	3.6	9.613	0.0055	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.3	-11.988	-0.0070	-2.5 to 2.5	Pass
					3.6	-16.508	-0.0096	-2.5 to 2.5	Pass
					4.2	-18.969	-0.0111	-2.5 to 2.5	Pass
				-30	3.6	-21.529	-0.0126	-2.5 to 2.5	Pass
				-20	3.6	-22.545	-0.0132	-2.5 to 2.5	Pass
				-10	3.6	-25.592	-0.0149	-2.5 to 2.5	Pass
				0	3.6	-26.879	-0.0157	-2.5 to 2.5	Pass

			10	3.6	-28.009	-0.0164	-2.5 to 2.5	Pass
			30	3.6	-29.440	-0.0172	-2.5 to 2.5	Pass
			40	3.6	-32.787	-0.0191	-2.5 to 2.5	Pass
			50	3.6	-31.900	-0.0186	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.3	-7.439	-0.0043	-2.5 to 2.5	Pass
					3.6	-5.851	-0.0034	-2.5 to 2.5	Pass
					4.2	-5.622	-0.0032	-2.5 to 2.5	Pass
				-30	3.6	-5.822	-0.0034	-2.5 to 2.5	Pass
				-20	3.6	-5.865	-0.0034	-2.5 to 2.5	Pass
				-10	3.6	-4.363	-0.0025	-2.5 to 2.5	Pass
				0	3.6	-5.121	-0.0030	-2.5 to 2.5	Pass
				10	3.6	-2.518	-0.0015	-2.5 to 2.5	Pass
				30	3.6	-3.176	-0.0018	-2.5 to 2.5	Pass
				40	3.6	-2.418	-0.0014	-2.5 to 2.5	Pass
				50	3.6	-1.674	-0.0010	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.3	11.516	0.0066	-2.5 to 2.5	Pass
					3.6	13.590	0.0078	-2.5 to 2.5	Pass
					4.2	13.890	0.0079	-2.5 to 2.5	Pass
				-30	3.6	15.507	0.0088	-2.5 to 2.5	Pass
				-20	3.6	15.678	0.0089	-2.5 to 2.5	Pass
				-10	3.6	15.392	0.0088	-2.5 to 2.5	Pass
				0	3.6	17.853	0.0102	-2.5 to 2.5	Pass
				10	3.6	21.544	0.0123	-2.5 to 2.5	Pass
				30	3.6	22.545	0.0129	-2.5 to 2.5	Pass
				40	3.6	23.746	0.0135	-2.5 to 2.5	Pass
				50	3.6	22.559	0.0129	-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	35.076	0.0205	-2.5 to 2.5	Pass
					3.6	29.712	0.0173	-2.5 to 2.5	Pass
					4.2	24.762	0.0144	-2.5 to 2.5	Pass
				-30	3.6	22.931	0.0134	-2.5 to 2.5	Pass
				-20	3.6	22.616	0.0132	-2.5 to 2.5	Pass
				-10	3.6	19.012	0.0111	-2.5 to 2.5	Pass
				0	3.6	20.857	0.0122	-2.5 to 2.5	Pass
				10	3.6	21.844	0.0127	-2.5 to 2.5	Pass
				30	3.6	25.849	0.0151	-2.5 to 2.5	Pass
				40	3.6	25.363	0.0148	-2.5 to 2.5	Pass
				50	3.6	26.064	0.0152	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.3	7.668	0.0044	-2.5 to 2.5	Pass
					3.6	5.093	0.0029	-2.5 to 2.5	Pass
					4.2	3.490	0.0020	-2.5 to 2.5	Pass
				-30	3.6	4.377	0.0025	-2.5 to 2.5	Pass
				-20	3.6	8.526	0.0049	-2.5 to 2.5	Pass
				-10	3.6	10.800	0.0062	-2.5 to 2.5	Pass
				0	3.6	14.820	0.0086	-2.5 to 2.5	Pass
				10	3.6	17.223	0.0099	-2.5 to 2.5	Pass
				30	3.6	20.099	0.0116	-2.5 to 2.5	Pass
				40	3.6	22.430	0.0129	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
				50	3.6	26.107	0.0151	-2.5 to 2.5	Pass
	1750	50	0	20	3.3	5.336	0.0030	-2.5 to 2.5	Pass
				20	3.6	2.875	0.0016	-2.5 to 2.5	Pass
				20	4.2	0.887	0.0005	-2.5 to 2.5	Pass
				-30	3.6	2.375	0.0014	-2.5 to 2.5	Pass
				-20	3.6	6.452	0.0037	-2.5 to 2.5	Pass
				-10	3.6	9.012	0.0051	-2.5 to 2.5	Pass
				0	3.6	13.018	0.0074	-2.5 to 2.5	Pass
				10	3.6	15.278	0.0087	-2.5 to 2.5	Pass
				30	3.6	18.468	0.0106	-2.5 to 2.5	Pass
				40	3.6	23.303	0.0133	-2.5 to 2.5	Pass
				50	3.6	25.592	0.0146	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.3	25.005	0.0146	-2.5 to 2.5	Pass
				20	3.6	26.336	0.0154	-2.5 to 2.5	Pass
				20	4.2	26.279	0.0153	-2.5 to 2.5	Pass
				-30	3.6	26.979	0.0157	-2.5 to 2.5	Pass
				-20	3.6	26.479	0.0154	-2.5 to 2.5	Pass
				-10	3.6	27.008	0.0157	-2.5 to 2.5	Pass
				0	3.6	27.008	0.0157	-2.5 to 2.5	Pass
				10	3.6	25.949	0.0151	-2.5 to 2.5	Pass
				30	3.6	26.479	0.0154	-2.5 to 2.5	Pass
				40	3.6	25.363	0.0148	-2.5 to 2.5	Pass
				50	3.6	25.578	0.0149	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.3	28.110	0.0162	-2.5 to 2.5	Pass
				20	3.6	32.802	0.0189	-2.5 to 2.5	Pass
				20	4.2	36.449	0.0210	-2.5 to 2.5	Pass
				-30	3.6	36.478	0.0211	-2.5 to 2.5	Pass
				-20	3.6	36.120	0.0208	-2.5 to 2.5	Pass
				-10	3.6	1.516	0.0009	-2.5 to 2.5	Pass
				0	3.6	2.503	0.0014	-2.5 to 2.5	Pass
				10	3.6	3.748	0.0022	-2.5 to 2.5	Pass
				30	3.6	4.120	0.0024	-2.5 to 2.5	Pass
				40	3.6	5.322	0.0031	-2.5 to 2.5	Pass
				50	3.6	5.150	0.0030	-2.5 to 2.5	Pass
	1750	50	0	20	3.3	29.268	0.0167	-2.5 to 2.5	Pass
				20	3.6	33.145	0.0189	-2.5 to 2.5	Pass
				20	4.2	34.776	0.0199	-2.5 to 2.5	Pass
				-30	3.6	35.777	0.0204	-2.5 to 2.5	Pass
				-20	3.6	37.751	0.0216	-2.5 to 2.5	Pass
				-10	3.6	38.195	0.0218	-2.5 to 2.5	Pass
				0	3.6	37.594	0.0215	-2.5 to 2.5	Pass
				10	3.6	37.422	0.0214	-2.5 to 2.5	Pass
				30	3.6	39.654	0.0227	-2.5 to 2.5	Pass
				40	3.6	38.767	0.0222	-2.5 to 2.5	Pass
				50	3.6	16.336	0.0093	-2.5 to 2.5	Pass

3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.3	27.623	0.0161	-2.5 to 2.5	Pass
					3.6	15.321	0.0089	-2.5 to 2.5	Pass

16QAM									
					4.2	9.212	0.0054	-2.5 to 2.5	Pass
				-30	3.6	5.550	0.0032	-2.5 to 2.5	Pass
				-20	3.6	3.204	0.0019	-2.5 to 2.5	Pass
				-10	3.6	4.306	0.0025	-2.5 to 2.5	Pass
				0	3.6	5.894	0.0034	-2.5 to 2.5	Pass
				10	3.6	7.324	0.0043	-2.5 to 2.5	Pass
				30	3.6	8.297	0.0048	-2.5 to 2.5	Pass
				40	3.6	8.926	0.0052	-2.5 to 2.5	Pass
				50	3.6	9.871	0.0057	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.3	20.242	0.0117	-2.5 to 2.5	Pass
					3.6	17.452	0.0101	-2.5 to 2.5	Pass
					4.2	15.950	0.0092	-2.5 to 2.5	Pass
				-30	3.6	17.266	0.0100	-2.5 to 2.5	Pass
				-20	3.6	20.342	0.0117	-2.5 to 2.5	Pass
				-10	3.6	25.678	0.0148	-2.5 to 2.5	Pass
				0	3.6	29.268	0.0169	-2.5 to 2.5	Pass
				10	3.6	34.862	0.0201	-2.5 to 2.5	Pass
				30	3.6	9.313	0.0054	-2.5 to 2.5	Pass
				40	3.6	-5.379	-0.0031	-2.5 to 2.5	Pass
				50	3.6	-2.317	-0.0013	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.3	15.135	0.0087	-2.5 to 2.5	Pass
					3.6	12.059	0.0069	-2.5 to 2.5	Pass
					4.2	11.244	0.0064	-2.5 to 2.5	Pass
				-30	3.6	11.816	0.0068	-2.5 to 2.5	Pass
				-20	3.6	15.092	0.0086	-2.5 to 2.5	Pass
				-10	3.6	20.370	0.0117	-2.5 to 2.5	Pass
				0	3.6	24.104	0.0138	-2.5 to 2.5	Pass
				10	3.6	26.050	0.0149	-2.5 to 2.5	Pass
				30	3.6	28.124	0.0161	-2.5 to 2.5	Pass
				40	3.6	33.431	0.0191	-2.5 to 2.5	Pass
				50	3.6	35.791	0.0205	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.3	12.288	0.0072	-2.5 to 2.5	Pass
					3.6	13.862	0.0081	-2.5 to 2.5	Pass
					4.2	13.046	0.0076	-2.5 to 2.5	Pass
				-30	3.6	15.364	0.0089	-2.5 to 2.5	Pass
				-20	3.6	14.434	0.0084	-2.5 to 2.5	Pass
				-10	3.6	11.902	0.0069	-2.5 to 2.5	Pass
				0	3.6	10.886	0.0063	-2.5 to 2.5	Pass
				10	3.6	10.200	0.0059	-2.5 to 2.5	Pass
				30	3.6	9.599	0.0056	-2.5 to 2.5	Pass
				40	3.6	7.038	0.0041	-2.5 to 2.5	Pass
				50	3.6	6.795	0.0040	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.3	2.060	0.0012	-2.5 to 2.5	Pass
					3.6	6.180	0.0036	-2.5 to 2.5	Pass
					4.2	8.755	0.0051	-2.5 to 2.5	Pass
				-30	3.6	10.529	0.0061	-2.5 to 2.5	Pass
				-20	3.6	9.727	0.0056	-2.5 to 2.5	Pass
				-10	3.6	9.627	0.0056	-2.5 to 2.5	Pass
				0	3.6	8.898	0.0051	-2.5 to 2.5	Pass
				10	3.6	11.716	0.0068	-2.5 to 2.5	Pass
				30	3.6	10.228	0.0059	-2.5 to 2.5	Pass
				40	3.6	12.646	0.0073	-2.5 to 2.5	Pass
				50	3.6	11.745	0.0068	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.3	36.907	0.0211	-2.5 to 2.5	Pass
					3.6	3.991	0.0023	-2.5 to 2.5	Pass
					4.2	2.718	0.0016	-2.5 to 2.5	Pass
				-30	3.6	3.691	0.0021	-2.5 to 2.5	Pass

				-20	3.6	3.490	0.0020	-2.5 to 2.5	Pass
				-10	3.6	1.802	0.0010	-2.5 to 2.5	Pass
				0	3.6	1.945	0.0011	-2.5 to 2.5	Pass
				10	3.6	1.659	0.0009	-2.5 to 2.5	Pass
				30	3.6	0.758	0.0004	-2.5 to 2.5	Pass
				40	3.6	0.272	0.0002	-2.5 to 2.5	Pass
				50	3.6	1.616	0.0009	-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	17.052	0.0099	-2.5 to 2.5	Pass
					3.6	-1.831	-0.0011	-2.5 to 2.5	Pass
					4.2	-6.595	-0.0038	-2.5 to 2.5	Pass
				-30	3.6	-6.366	-0.0037	-2.5 to 2.5	Pass
				-20	3.6	-2.189	-0.0013	-2.5 to 2.5	Pass
				-10	3.6	-1.259	-0.0007	-2.5 to 2.5	Pass
				0	3.6	4.134	0.0024	-2.5 to 2.5	Pass
				10	3.6	10.042	0.0058	-2.5 to 2.5	Pass
				30	3.6	14.091	0.0082	-2.5 to 2.5	Pass
				40	3.6	18.110	0.0105	-2.5 to 2.5	Pass
				50	3.6	21.586	0.0125	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.3	13.475	0.0078	-2.5 to 2.5	Pass
					3.6	5.078	0.0029	-2.5 to 2.5	Pass
					4.2	2.718	0.0016	-2.5 to 2.5	Pass
				-30	3.6	10.586	0.0061	-2.5 to 2.5	Pass
				-20	3.6	15.163	0.0088	-2.5 to 2.5	Pass
				-10	3.6	20.299	0.0117	-2.5 to 2.5	Pass
				0	3.6	23.260	0.0134	-2.5 to 2.5	Pass
				10	3.6	31.486	0.0182	-2.5 to 2.5	Pass
				30	3.6	36.078	0.0208	-2.5 to 2.5	Pass
				40	3.6	39.353	0.0227	-2.5 to 2.5	Pass
				50	3.6	43.888	0.0253	-2.5 to 2.5	Pass
	1745	100	0	20	3.3	8.712	0.0050	-2.5 to 2.5	Pass
					3.6	4.663	0.0027	-2.5 to 2.5	Pass
					4.2	5.794	0.0033	-2.5 to 2.5	Pass
				-30	3.6	6.909	0.0040	-2.5 to 2.5	Pass
				-20	3.6	10.543	0.0060	-2.5 to 2.5	Pass
				-10	3.6	15.335	0.0088	-2.5 to 2.5	Pass
				0	3.6	20.213	0.0116	-2.5 to 2.5	Pass
				10	3.6	22.259	0.0128	-2.5 to 2.5	Pass
				30	3.6	26.579	0.0152	-2.5 to 2.5	Pass
				40	3.6	31.142	0.0178	-2.5 to 2.5	Pass
				50	3.6	26.336	0.0151	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.3	25.320	0.0147	-2.5 to 2.5	Pass
					3.6	27.008	0.0157	-2.5 to 2.5	Pass
					4.2	28.381	0.0165	-2.5 to 2.5	Pass
				-30	3.6	26.450	0.0154	-2.5 to 2.5	Pass
				-20	3.6	24.548	0.0143	-2.5 to 2.5	Pass
				-10	3.6	23.818	0.0138	-2.5 to 2.5	Pass
				0	3.6	20.485	0.0119	-2.5 to 2.5	Pass

				10	3.6	20.356	0.0118	-2.5 to 2.5	Pass
				30	3.6	19.541	0.0114	-2.5 to 2.5	Pass
				40	3.6	19.770	0.0115	-2.5 to 2.5	Pass
				50	3.6	20.428	0.0119	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.3	10.028	0.0058	-2.5 to 2.5	Pass
					3.6	12.302	0.0071	-2.5 to 2.5	Pass
					4.2	12.946	0.0075	-2.5 to 2.5	Pass
				-30	3.6	12.932	0.0075	-2.5 to 2.5	Pass
				-20	3.6	12.975	0.0075	-2.5 to 2.5	Pass
				-10	3.6	13.576	0.0078	-2.5 to 2.5	Pass
				0	3.6	12.417	0.0072	-2.5 to 2.5	Pass
				10	3.6	11.015	0.0064	-2.5 to 2.5	Pass
				30	3.6	11.415	0.0066	-2.5 to 2.5	Pass
				40	3.6	11.187	0.0065	-2.5 to 2.5	Pass
				50	3.6	11.616	0.0067	-2.5 to 2.5	Pass
	1745	100	0	20	3.3	4.592	0.0026	-2.5 to 2.5	Pass
					3.6	6.981	0.0040	-2.5 to 2.5	Pass
					4.2	8.311	0.0048	-2.5 to 2.5	Pass
				-30	3.6	5.908	0.0034	-2.5 to 2.5	Pass
				-20	3.6	1.402	0.0008	-2.5 to 2.5	Pass
				-10	3.6	1.173	0.0007	-2.5 to 2.5	Pass
				0	3.6	-2.718	-0.0016	-2.5 to 2.5	Pass
				10	3.6	-3.963	-0.0023	-2.5 to 2.5	Pass
				30	3.6	-6.380	-0.0037	-2.5 to 2.5	Pass
				40	3.6	-6.967	-0.0040	-2.5 to 2.5	Pass
				50	3.6	-10.142	-0.0058	-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	-1.359	-0.0006	-2.5 to 2.5	Pass
					3.6	-0.343	-0.0001	-2.5 to 2.5	Pass
					4.2	12.088	0.0052	-2.5 to 2.5	Pass
				-30	3.6	7.339	0.0032	-2.5 to 2.5	Pass
				-20	3.6	6.166	0.0027	-2.5 to 2.5	Pass
				-10	3.6	5.565	0.0024	-2.5 to 2.5	Pass
				0	3.6	4.978	0.0022	-2.5 to 2.5	Pass
				10	3.6	5.336	0.0023	-2.5 to 2.5	Pass
				30	3.6	-6.924	-0.0030	-2.5 to 2.5	Pass
				40	3.6	-8.297	-0.0036	-2.5 to 2.5	Pass
				50	3.6	0.572	0.0002	-2.5 to 2.5	Pass
	2310	25	0	20	3.3	0.973	0.0004	-2.5 to 2.5	Pass
					3.6	3.862	0.0017	-2.5 to 2.5	Pass
					4.2	-6.237	-0.0027	-2.5 to 2.5	Pass
				-30	3.6	-5.307	-0.0023	-2.5 to 2.5	Pass
				-20	3.6	-9.699	-0.0042	-2.5 to 2.5	Pass
				-10	3.6	-1.745	-0.0008	-2.5 to 2.5	Pass
				0	3.6	-2.789	-0.0012	-2.5 to 2.5	Pass

Modulation	Frequency	RB Allocation		Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict
				10	3.6	1.602	0.0007	-2.5 to 2.5	Pass
				30	3.6	-1.745	-0.0008	-2.5 to 2.5	Pass
				40	3.6	-8.912	-0.0039	-2.5 to 2.5	Pass
				50	3.6	-9.141	-0.0040	-2.5 to 2.5	Pass
	2312.5	25	0		3.3	-10.271	-0.0044	-2.5 to 2.5	Pass
				20	3.6	-8.554	-0.0037	-2.5 to 2.5	Pass
					4.2	-10.629	-0.0046	-2.5 to 2.5	Pass
				-30	3.6	1.287	0.0006	-2.5 to 2.5	Pass
				-20	3.6	-13.046	-0.0056	-2.5 to 2.5	Pass
				-10	3.6	-11.287	-0.0049	-2.5 to 2.5	Pass
				0	3.6	1.059	0.0005	-2.5 to 2.5	Pass
				10	3.6	-13.375	-0.0058	-2.5 to 2.5	Pass
				30	3.6	-13.461	-0.0058	-2.5 to 2.5	Pass
				40	3.6	-1.059	-0.0005	-2.5 to 2.5	Pass
				50	3.6	-1.788	-0.0008	-2.5 to 2.5	Pass
16QAM	2307.5	25	0		3.3	-8.483	-0.0037	-2.5 to 2.5	Pass
				20	3.6	0.243	0.0001	-2.5 to 2.5	Pass
					4.2	0.429	0.0002	-2.5 to 2.5	Pass
				-30	3.6	1.330	0.0006	-2.5 to 2.5	Pass
				-20	3.6	-6.351	-0.0028	-2.5 to 2.5	Pass
				-10	3.6	0.515	0.0002	-2.5 to 2.5	Pass
				0	3.6	-6.952	-0.0030	-2.5 to 2.5	Pass
				10	3.6	-11.530	-0.0050	-2.5 to 2.5	Pass
				30	3.6	-6.280	-0.0027	-2.5 to 2.5	Pass
				40	3.6	-7.596	-0.0033	-2.5 to 2.5	Pass
				50	3.6	-8.712	-0.0038	-2.5 to 2.5	Pass
	2310	25	0		3.3	-6.409	-0.0028	-2.5 to 2.5	Pass
				20	3.6	-4.649	-0.0020	-2.5 to 2.5	Pass
					4.2	-12.231	-0.0053	-2.5 to 2.5	Pass
				-30	3.6	-8.669	-0.0038	-2.5 to 2.5	Pass
				-20	3.6	-0.343	-0.0001	-2.5 to 2.5	Pass
				-10	3.6	-2.518	-0.0011	-2.5 to 2.5	Pass
				0	3.6	-10.729	-0.0046	-2.5 to 2.5	Pass
				10	3.6	-2.818	-0.0012	-2.5 to 2.5	Pass
				30	3.6	-0.815	-0.0004	-2.5 to 2.5	Pass
				40	3.6	-7.954	-0.0034	-2.5 to 2.5	Pass
				50	3.6	-9.370	-0.0041	-2.5 to 2.5	Pass
	2312.5	25	0		3.3	-17.810	-0.0077	-2.5 to 2.5	Pass
				20	3.6	-0.243	-0.0001	-2.5 to 2.5	Pass
					4.2	1.817	0.0008	-2.5 to 2.5	Pass
				-30	3.6	2.418	0.0010	-2.5 to 2.5	Pass
				-20	3.6	2.432	0.0011	-2.5 to 2.5	Pass
				-10	3.6	2.646	0.0011	-2.5 to 2.5	Pass
				0	3.6	2.418	0.0010	-2.5 to 2.5	Pass
				10	3.6	-13.189	-0.0057	-2.5 to 2.5	Pass
				30	3.6	-8.497	-0.0037	-2.5 to 2.5	Pass
				40	3.6	-8.869	-0.0038	-2.5 to 2.5	Pass
				50	3.6	2.789	0.0012	-2.5 to 2.5	Pass

4.2 B40a_10MHz

4.2.1 Test Result

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

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	2310	50	0	20	3.3	16.537	0.0072	-2.5 to 2.5	Pass
					3.6	7.324	0.0032	-2.5 to 2.5	Pass
					4.2	16.565	0.0072	-2.5 to 2.5	Pass
				-30	3.6	15.335	0.0066	-2.5 to 2.5	Pass
				-20	3.6	4.377	0.0019	-2.5 to 2.5	Pass
				-10	3.6	13.118	0.0057	-2.5 to 2.5	Pass
				0	3.6	10.400	0.0045	-2.5 to 2.5	Pass
				10	3.6	4.592	0.0020	-2.5 to 2.5	Pass
				30	3.6	8.054	0.0035	-2.5 to 2.5	Pass
				40	3.6	-2.031	-0.0009	-2.5 to 2.5	Pass
				50	3.6	-4.163	-0.0018	-2.5 to 2.5	Pass
16QAM	2310	50	0	20	3.3	-4.449	-0.0019	-2.5 to 2.5	Pass
					3.6	6.037	0.0026	-2.5 to 2.5	Pass
					4.2	7.224	0.0031	-2.5 to 2.5	Pass
				-30	3.6	7.682	0.0033	-2.5 to 2.5	Pass
				-20	3.6	11.759	0.0051	-2.5 to 2.5	Pass
				-10	3.6	10.829	0.0047	-2.5 to 2.5	Pass
				0	3.6	3.934	0.0017	-2.5 to 2.5	Pass
				10	3.6	11.616	0.0050	-2.5 to 2.5	Pass
				30	3.6	12.217	0.0053	-2.5 to 2.5	Pass
				40	3.6	13.690	0.0059	-2.5 to 2.5	Pass
				50	3.6	3.304	0.0014	-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	-17.281	-0.0073	-2.5 to 2.5	Pass
					3.6	-18.754	-0.0080	-2.5 to 2.5	Pass
					4.2	-10.114	-0.0043	-2.5 to 2.5	Pass
				-30	3.6	-18.897	-0.0080	-2.5 to 2.5	Pass
				-20	3.6	-20.256	-0.0086	-2.5 to 2.5	Pass
				-10	3.6	-21.071	-0.0090	-2.5 to 2.5	Pass
				0	3.6	-12.860	-0.0055	-2.5 to 2.5	Pass
				10	3.6	-20.471	-0.0087	-2.5 to 2.5	Pass
				30	3.6	-12.646	-0.0054	-2.5 to 2.5	Pass
				40	3.6	-13.576	-0.0058	-2.5 to 2.5	Pass
				50	3.6	-17.495	-0.0074	-2.5 to 2.5	Pass
	2355	25	0	20	3.3	-6.051	-0.0026	-2.5 to 2.5	Pass
					3.6	2.575	0.0011	-2.5 to 2.5	Pass
					4.2	-4.377	-0.0019	-2.5 to 2.5	Pass
				-30	3.6	-6.080	-0.0026	-2.5 to 2.5	Pass
				-20	3.6	2.475	0.0011	-2.5 to 2.5	Pass
				-10	3.6	1.960	0.0008	-2.5 to 2.5	Pass
				0	3.6	0.558	0.0002	-2.5 to 2.5	Pass
				10	3.6	2.975	0.0013	-2.5 to 2.5	Pass
				30	3.6	-3.462	-0.0015	-2.5 to 2.5	Pass
				40	3.6	-1.702	-0.0007	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
				50	3.6	-10.343	-0.0044	-2.5 to 2.5	Pass
					3.3	8.068	0.0034	-2.5 to 2.5	Pass
				20	3.6	19.841	0.0084	-2.5 to 2.5	Pass
					4.2	22.445	0.0095	-2.5 to 2.5	Pass
				-30	3.6	10.629	0.0045	-2.5 to 2.5	Pass
				-20	3.6	16.122	0.0068	-2.5 to 2.5	Pass
	2357.5	25	0	-10	3.6	11.287	0.0048	-2.5 to 2.5	Pass
				0	3.6	7.768	0.0033	-2.5 to 2.5	Pass
				10	3.6	6.037	0.0026	-2.5 to 2.5	Pass
				30	3.6	12.445	0.0053	-2.5 to 2.5	Pass
				40	3.6	6.151	0.0026	-2.5 to 2.5	Pass
				50	3.6	5.922	0.0025	-2.5 to 2.5	Pass
					3.3	-12.417	-0.0053	-2.5 to 2.5	Pass
				20	3.6	-11.616	-0.0049	-2.5 to 2.5	Pass
					4.2	-2.890	-0.0012	-2.5 to 2.5	Pass
				-30	3.6	-11.029	-0.0047	-2.5 to 2.5	Pass
				-20	3.6	-11.029	-0.0047	-2.5 to 2.5	Pass
	2352.5	25	0	-10	3.6	-11.158	-0.0047	-2.5 to 2.5	Pass
				0	3.6	-11.144	-0.0047	-2.5 to 2.5	Pass
				10	3.6	-10.757	-0.0046	-2.5 to 2.5	Pass
				30	3.6	-9.856	-0.0042	-2.5 to 2.5	Pass
				40	3.6	-1.588	-0.0007	-2.5 to 2.5	Pass
				50	3.6	-9.155	-0.0039	-2.5 to 2.5	Pass
					3.3	1.516	0.0006	-2.5 to 2.5	Pass
				20	3.6	11.616	0.0049	-2.5 to 2.5	Pass
					4.2	-1.216	-0.0005	-2.5 to 2.5	Pass
				-30	3.6	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.6	5.651	0.0024	-2.5 to 2.5	Pass
16QAM	2355	25	0	-10	3.6	-0.587	-0.0002	-2.5 to 2.5	Pass
				0	3.6	-0.701	-0.0003	-2.5 to 2.5	Pass
				10	3.6	9.098	0.0039	-2.5 to 2.5	Pass
				30	3.6	7.367	0.0031	-2.5 to 2.5	Pass
				40	3.6	-0.515	-0.0002	-2.5 to 2.5	Pass
				50	3.6	9.499	0.0040	-2.5 to 2.5	Pass
					3.3	17.195	0.0073	-2.5 to 2.5	Pass
				20	3.6	17.595	0.0075	-2.5 to 2.5	Pass
					4.2	20.113	0.0085	-2.5 to 2.5	Pass
				-30	3.6	24.848	0.0105	-2.5 to 2.5	Pass
				-20	3.6	20.084	0.0085	-2.5 to 2.5	Pass
	2357.5	25	0	-10	3.6	27.394	0.0116	-2.5 to 2.5	Pass
				0	3.6	17.953	0.0076	-2.5 to 2.5	Pass
				10	3.6	19.069	0.0081	-2.5 to 2.5	Pass
				30	3.6	23.589	0.0100	-2.5 to 2.5	Pass
				40	3.6	23.603	0.0100	-2.5 to 2.5	Pass
				50	3.6	26.193	0.0111	-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	12.674	0.0054	-2.5 to 2.5	Pass
					3.6	5.522	0.0023	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
					4.2	11.144	0.0047	-2.5 to 2.5	Pass
				-30	3.6	11.516	0.0049	-2.5 to 2.5	Pass
				-20	3.6	11.044	0.0047	-2.5 to 2.5	Pass
				-10	3.6	4.606	0.0020	-2.5 to 2.5	Pass
				0	3.6	0.501	0.0002	-2.5 to 2.5	Pass
				10	3.6	5.736	0.0024	-2.5 to 2.5	Pass
				30	3.6	9.227	0.0039	-2.5 to 2.5	Pass
				40	3.6	5.322	0.0023	-2.5 to 2.5	Pass
				50	3.6	6.852	0.0029	-2.5 to 2.5	Pass
16QAM	2355	50	0	20	3.3	12.860	0.0055	-2.5 to 2.5	Pass
					3.6	23.460	0.0100	-2.5 to 2.5	Pass
					4.2	16.937	0.0072	-2.5 to 2.5	Pass
				-30	3.6	27.666	0.0117	-2.5 to 2.5	Pass
				-20	3.6	18.897	0.0080	-2.5 to 2.5	Pass
				-10	3.6	26.207	0.0111	-2.5 to 2.5	Pass
				0	3.6	25.249	0.0107	-2.5 to 2.5	Pass
				10	3.6	29.483	0.0125	-2.5 to 2.5	Pass
				30	3.6	24.962	0.0106	-2.5 to 2.5	Pass
				40	3.6	29.311	0.0124	-2.5 to 2.5	Pass
				50	3.6	29.411	0.0125	-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	-20.943	-0.0084	-2.5 to 2.5	Pass
					3.6	-20.027	-0.0080	-2.5 to 2.5	Pass
					4.2	-18.926	-0.0076	-2.5 to 2.5	Pass
				-30	3.6	-17.424	-0.0070	-2.5 to 2.5	Pass
				-20	3.6	-17.552	-0.0070	-2.5 to 2.5	Pass
				-10	3.6	-16.494	-0.0066	-2.5 to 2.5	Pass
				0	3.6	-18.168	-0.0073	-2.5 to 2.5	Pass
				10	3.6	-14.248	-0.0057	-2.5 to 2.5	Pass
				30	3.6	-20.499	-0.0082	-2.5 to 2.5	Pass
				40	3.6	-23.975	-0.0096	-2.5 to 2.5	Pass
				50	3.6	-27.051	-0.0108	-2.5 to 2.5	Pass
	2593	25	0	20	3.3	-27.008	-0.0104	-2.5 to 2.5	Pass
					3.6	-37.022	-0.0143	-2.5 to 2.5	Pass
					4.2	-21.858	-0.0084	-2.5 to 2.5	Pass
				-30	3.6	-20.185	-0.0078	-2.5 to 2.5	Pass
				-20	3.6	-18.210	-0.0070	-2.5 to 2.5	Pass
				-10	3.6	-16.794	-0.0065	-2.5 to 2.5	Pass
				0	3.6	-25.821	-0.0100	-2.5 to 2.5	Pass
				10	3.6	-23.975	-0.0092	-2.5 to 2.5	Pass
				30	3.6	-13.304	-0.0051	-2.5 to 2.5	Pass
				40	3.6	-22.016	-0.0085	-2.5 to 2.5	Pass
				50	3.6	-8.526	-0.0033	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.3	-13.418	-0.0050	-2.5 to 2.5	Pass
					3.6	-13.547	-0.0050	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
					4.2	-23.990	-0.0089	-2.5 to 2.5	Pass
				-30	3.6	-23.003	-0.0086	-2.5 to 2.5	Pass
				-20	3.6	-25.105	-0.0093	-2.5 to 2.5	Pass
				-10	3.6	-16.451	-0.0061	-2.5 to 2.5	Pass
				0	3.6	-16.150	-0.0060	-2.5 to 2.5	Pass
				10	3.6	-27.137	-0.0101	-2.5 to 2.5	Pass
				30	3.6	-29.655	-0.0110	-2.5 to 2.5	Pass
				40	3.6	-32.229	-0.0120	-2.5 to 2.5	Pass
				50	3.6	-26.522	-0.0099	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.3	-20.871	-0.0084	-2.5 to 2.5	Pass
					3.6	-20.413	-0.0082	-2.5 to 2.5	Pass
					4.2	-21.544	-0.0086	-2.5 to 2.5	Pass
				-30	3.6	-20.370	-0.0082	-2.5 to 2.5	Pass
				-20	3.6	-20.213	-0.0081	-2.5 to 2.5	Pass
				-10	3.6	-17.738	-0.0071	-2.5 to 2.5	Pass
				0	3.6	-14.534	-0.0058	-2.5 to 2.5	Pass
				10	3.6	-17.910	-0.0072	-2.5 to 2.5	Pass
				30	3.6	-17.109	-0.0068	-2.5 to 2.5	Pass
				40	3.6	-15.850	-0.0063	-2.5 to 2.5	Pass
				50	3.6	-12.603	-0.0050	-2.5 to 2.5	Pass
	2593	25	0	20	3.3	-15.435	-0.0060	-2.5 to 2.5	Pass
					3.6	-4.148	-0.0016	-2.5 to 2.5	Pass
					4.2	-3.362	-0.0013	-2.5 to 2.5	Pass
				-30	3.6	-12.975	-0.0050	-2.5 to 2.5	Pass
				-20	3.6	-9.527	-0.0037	-2.5 to 2.5	Pass
				-10	3.6	-1.202	-0.0005	-2.5 to 2.5	Pass
				0	3.6	-6.995	-0.0027	-2.5 to 2.5	Pass
				10	3.6	3.591	0.0014	-2.5 to 2.5	Pass
				30	3.6	5.822	0.0022	-2.5 to 2.5	Pass
				40	3.6	-2.747	-0.0011	-2.5 to 2.5	Pass
				50	3.6	8.082	0.0031	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.3	-24.219	-0.0090	-2.5 to 2.5	Pass
					3.6	-26.708	-0.0099	-2.5 to 2.5	Pass
					4.2	-26.493	-0.0099	-2.5 to 2.5	Pass
				-30	3.6	-33.388	-0.0124	-2.5 to 2.5	Pass
				-20	3.6	-26.650	-0.0099	-2.5 to 2.5	Pass
				-10	3.6	-34.876	-0.0130	-2.5 to 2.5	Pass
				0	3.6	-23.704	-0.0088	-2.5 to 2.5	Pass
				10	3.6	-27.466	-0.0102	-2.5 to 2.5	Pass
				30	3.6	-31.385	-0.0117	-2.5 to 2.5	Pass
				40	3.6	-24.076	-0.0090	-2.5 to 2.5	Pass
				50	3.6	-33.131	-0.0123	-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	-8.626	-0.0034	-2.5 to 2.5	Pass
					3.6	-1.931	-0.0008	-2.5 to 2.5	Pass
					4.2	-13.275	-0.0053	-2.5 to 2.5	Pass
				-30	3.6	-15.206	-0.0061	-2.5 to 2.5	Pass
				-20	3.6	-7.324	-0.0029	-2.5 to 2.5	Pass

Modulation									
				-10	3.6	-16.694	-0.0067	-2.5 to 2.5	Pass
				0	3.6	-22.645	-0.0091	-2.5 to 2.5	Pass
				10	3.6	-11.015	-0.0044	-2.5 to 2.5	Pass
				30	3.6	-25.249	-0.0101	-2.5 to 2.5	Pass
				40	3.6	-13.847	-0.0055	-2.5 to 2.5	Pass
				50	3.6	-15.850	-0.0063	-2.5 to 2.5	Pass
	2593	50	0		3.3	-30.813	-0.0119	-2.5 to 2.5	Pass
				20	3.6	-25.263	-0.0097	-2.5 to 2.5	Pass
					4.2	-6.480	-0.0025	-2.5 to 2.5	Pass
				-30	3.6	-4.764	-0.0018	-2.5 to 2.5	Pass
				-20	3.6	-5.865	-0.0023	-2.5 to 2.5	Pass
				-10	3.6	-18.654	-0.0072	-2.5 to 2.5	Pass
				0	3.6	-14.977	-0.0058	-2.5 to 2.5	Pass
				10	3.6	-14.348	-0.0055	-2.5 to 2.5	Pass
				30	3.6	-13.404	-0.0052	-2.5 to 2.5	Pass
				40	3.6	-14.877	-0.0057	-2.5 to 2.5	Pass
				50	3.6	-14.834	-0.0057	-2.5 to 2.5	Pass
	2685	50	0		3.3	-27.180	-0.0101	-2.5 to 2.5	Pass
				20	3.6	-14.992	-0.0056	-2.5 to 2.5	Pass
					4.2	-27.108	-0.0101	-2.5 to 2.5	Pass
				-30	3.6	-27.308	-0.0102	-2.5 to 2.5	Pass
				-20	3.6	-32.144	-0.0120	-2.5 to 2.5	Pass
				-10	3.6	-24.633	-0.0092	-2.5 to 2.5	Pass
				0	3.6	-40.298	-0.0150	-2.5 to 2.5	Pass
				10	3.6	-32.229	-0.0120	-2.5 to 2.5	Pass
				30	3.6	-17.295	-0.0064	-2.5 to 2.5	Pass
				40	3.6	-1.502	-0.0006	-2.5 to 2.5	Pass
				50	3.6	-3.490	-0.0013	-2.5 to 2.5	Pass
16QAM	2501	50	0		3.3	-27.938	-0.0112	-2.5 to 2.5	Pass
				20	3.6	-23.546	-0.0094	-2.5 to 2.5	Pass
					4.2	-22.602	-0.0090	-2.5 to 2.5	Pass
				-30	3.6	-21.100	-0.0084	-2.5 to 2.5	Pass
				-20	3.6	-20.170	-0.0081	-2.5 to 2.5	Pass
				-10	3.6	-20.142	-0.0081	-2.5 to 2.5	Pass
				0	3.6	-16.823	-0.0067	-2.5 to 2.5	Pass
				10	3.6	-18.225	-0.0073	-2.5 to 2.5	Pass
				30	3.6	-17.924	-0.0072	-2.5 to 2.5	Pass
				40	3.6	-14.133	-0.0057	-2.5 to 2.5	Pass
				50	3.6	-13.905	-0.0056	-2.5 to 2.5	Pass
	2593	50	0		3.3	-6.509	-0.0025	-2.5 to 2.5	Pass
				20	3.6	-2.747	-0.0011	-2.5 to 2.5	Pass
					4.2	6.166	0.0024	-2.5 to 2.5	Pass
				-30	3.6	8.512	0.0033	-2.5 to 2.5	Pass
				-20	3.6	13.933	0.0054	-2.5 to 2.5	Pass
				-10	3.6	15.249	0.0059	-2.5 to 2.5	Pass
				0	3.6	4.134	0.0016	-2.5 to 2.5	Pass
				10	3.6	6.781	0.0026	-2.5 to 2.5	Pass
				30	3.6	13.218	0.0051	-2.5 to 2.5	Pass
				40	3.6	19.584	0.0076	-2.5 to 2.5	Pass
				50	3.6	25.492	0.0098	-2.5 to 2.5	Pass
	2685	50	0		3.3	6.394	0.0024	-2.5 to 2.5	Pass
				20	3.6	7.510	0.0028	-2.5 to 2.5	Pass
					4.2	-3.033	-0.0011	-2.5 to 2.5	Pass
				-30	3.6	7.510	0.0028	-2.5 to 2.5	Pass
				-20	3.6	6.166	0.0023	-2.5 to 2.5	Pass
				-10	3.6	8.039	0.0030	-2.5 to 2.5	Pass
				0	3.6	-4.549	-0.0017	-2.5 to 2.5	Pass

				10	3.6	8.755	0.0033	-2.5 to 2.5	Pass
				30	3.6	-4.735	-0.0018	-2.5 to 2.5	Pass
				40	3.6	8.841	0.0033	-2.5 to 2.5	Pass
				50	3.6	-0.629	-0.0002	-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	-11.115	-0.0044	-2.5 to 2.5	Pass
					3.6	-6.652	-0.0027	-2.5 to 2.5	Pass
					4.2	-6.051	-0.0024	-2.5 to 2.5	Pass
				-30	3.6	1.116	0.0004	-2.5 to 2.5	Pass
				-20	3.6	-9.112	-0.0036	-2.5 to 2.5	Pass
				-10	3.6	-9.313	-0.0037	-2.5 to 2.5	Pass
				0	3.6	0.129	0.0001	-2.5 to 2.5	Pass
				10	3.6	-4.506	-0.0018	-2.5 to 2.5	Pass
				30	3.6	-4.578	-0.0018	-2.5 to 2.5	Pass
				40	3.6	-20.871	-0.0083	-2.5 to 2.5	Pass
				50	3.6	-13.418	-0.0054	-2.5 to 2.5	Pass
	2593	75	0	20	3.3	-37.022	-0.0143	-2.5 to 2.5	Pass
					3.6	-17.381	-0.0067	-2.5 to 2.5	Pass
					4.2	-17.753	-0.0068	-2.5 to 2.5	Pass
				-30	3.6	-15.206	-0.0059	-2.5 to 2.5	Pass
				-20	3.6	-26.021	-0.0100	-2.5 to 2.5	Pass
				-10	3.6	-25.120	-0.0097	-2.5 to 2.5	Pass
				0	3.6	-25.191	-0.0097	-2.5 to 2.5	Pass
				10	3.6	-24.047	-0.0093	-2.5 to 2.5	Pass
				30	3.6	-23.088	-0.0089	-2.5 to 2.5	Pass
				40	3.6	-8.311	-0.0032	-2.5 to 2.5	Pass
				50	3.6	-9.999	-0.0039	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.3	-10.886	-0.0041	-2.5 to 2.5	Pass
					3.6	-12.875	-0.0048	-2.5 to 2.5	Pass
					4.2	-12.960	-0.0048	-2.5 to 2.5	Pass
				-30	3.6	-16.007	-0.0060	-2.5 to 2.5	Pass
				-20	3.6	-15.936	-0.0059	-2.5 to 2.5	Pass
				-10	3.6	-21.958	-0.0082	-2.5 to 2.5	Pass
				0	3.6	-22.259	-0.0083	-2.5 to 2.5	Pass
				10	3.6	-27.623	-0.0103	-2.5 to 2.5	Pass
				30	3.6	-27.022	-0.0101	-2.5 to 2.5	Pass
				40	3.6	-34.103	-0.0127	-2.5 to 2.5	Pass
				50	3.6	-38.867	-0.0145	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.3	-7.839	-0.0031	-2.5 to 2.5	Pass
					3.6	-4.020	-0.0016	-2.5 to 2.5	Pass
					4.2	-10.300	-0.0041	-2.5 to 2.5	Pass
				-30	3.6	-17.738	-0.0071	-2.5 to 2.5	Pass
				-20	3.6	-3.605	-0.0014	-2.5 to 2.5	Pass
				-10	3.6	-19.369	-0.0077	-2.5 to 2.5	Pass
				0	3.6	-15.492	-0.0062	-2.5 to 2.5	Pass
				10	3.6	-1.903	-0.0008	-2.5 to 2.5	Pass
				30	3.6	-15.635	-0.0062	-2.5 to 2.5	Pass
				40	3.6	-12.646	-0.0051	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
				50	3.6	-14.248	-0.0057	-2.5 to 2.5	Pass
	2593	75	0	20	3.3	-6.638	-0.0026	-2.5 to 2.5	Pass
					3.6	-16.394	-0.0063	-2.5 to 2.5	Pass
					4.2	-7.925	-0.0031	-2.5 to 2.5	Pass
				-30	3.6	-4.005	-0.0015	-2.5 to 2.5	Pass
				-20	3.6	1.030	0.0004	-2.5 to 2.5	Pass
				-10	3.6	-6.709	-0.0026	-2.5 to 2.5	Pass
				0	3.6	-7.010	-0.0027	-2.5 to 2.5	Pass
				10	3.6	7.582	0.0029	-2.5 to 2.5	Pass
				30	3.6	-2.217	-0.0009	-2.5 to 2.5	Pass
				40	3.6	-1.345	-0.0005	-2.5 to 2.5	Pass
				50	3.6	14.791	0.0057	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.3	-37.093	-0.0138	-2.5 to 2.5	Pass
					3.6	-37.665	-0.0140	-2.5 to 2.5	Pass
					4.2	-38.323	-0.0143	-2.5 to 2.5	Pass
				-30	3.6	-39.167	-0.0146	-2.5 to 2.5	Pass
				-20	3.6	-37.293	-0.0139	-2.5 to 2.5	Pass
				-10	3.6	-39.210	-0.0146	-2.5 to 2.5	Pass
				0	3.6	-37.022	-0.0138	-2.5 to 2.5	Pass
				10	3.6	-35.219	-0.0131	-2.5 to 2.5	Pass
				30	3.6	-34.404	-0.0128	-2.5 to 2.5	Pass
				40	3.6	-38.867	-0.0145	-2.5 to 2.5	Pass
				50	3.6	-37.851	-0.0141	-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	2.060	0.0008	-2.5 to 2.5	Pass
					3.6	8.426	0.0034	-2.5 to 2.5	Pass
					4.2	7.925	0.0032	-2.5 to 2.5	Pass
				-30	3.6	6.924	0.0028	-2.5 to 2.5	Pass
				-20	3.6	0.114	0.0000	-2.5 to 2.5	Pass
				-10	3.6	-3.963	-0.0016	-2.5 to 2.5	Pass
				0	3.6	-10.228	-0.0041	-2.5 to 2.5	Pass
				10	3.6	-16.122	-0.0064	-2.5 to 2.5	Pass
				30	3.6	-17.552	-0.0070	-2.5 to 2.5	Pass
				40	3.6	-21.257	-0.0085	-2.5 to 2.5	Pass
				50	3.6	-23.432	-0.0094	-2.5 to 2.5	Pass
	2593	100	0	20	3.3	-24.848	-0.0096	-2.5 to 2.5	Pass
					3.6	-28.868	-0.0111	-2.5 to 2.5	Pass
					4.2	-15.221	-0.0059	-2.5 to 2.5	Pass
				-30	3.6	-28.067	-0.0108	-2.5 to 2.5	Pass
				-20	3.6	-27.280	-0.0105	-2.5 to 2.5	Pass
				-10	3.6	-13.089	-0.0050	-2.5 to 2.5	Pass
				0	3.6	-14.920	-0.0058	-2.5 to 2.5	Pass
				10	3.6	-28.152	-0.0109	-2.5 to 2.5	Pass
				30	3.6	-25.535	-0.0098	-2.5 to 2.5	Pass
				40	3.6	-15.321	-0.0059	-2.5 to 2.5	Pass
				50	3.6	-29.855	-0.0115	-2.5 to 2.5	Pass
	2680	100	0	20	3.3	9.255	0.0035	-2.5 to 2.5	Pass
					3.6	8.225	0.0031	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
				4.2	5.622	0.0021	-2.5 to 2.5	Pass	
				-30	3.6	9.742	0.0036	-2.5 to 2.5	Pass
				-20	3.6	0.343	0.0001	-2.5 to 2.5	Pass
				-10	3.6	-8.097	-0.0030	-2.5 to 2.5	Pass
				0	3.6	-12.746	-0.0048	-2.5 to 2.5	Pass
				10	3.6	-16.909	-0.0063	-2.5 to 2.5	Pass
				30	3.6	-21.014	-0.0078	-2.5 to 2.5	Pass
				40	3.6	-23.646	-0.0088	-2.5 to 2.5	Pass
				50	3.6	-25.535	-0.0095	-2.5 to 2.5	Pass
	2506	100	0	20	3.3	-24.004	-0.0096	-2.5 to 2.5	Pass
					3.6	-22.788	-0.0091	-2.5 to 2.5	Pass
					4.2	-20.413	-0.0081	-2.5 to 2.5	Pass
				-30	3.6	-19.383	-0.0077	-2.5 to 2.5	Pass
				-20	3.6	-21.257	-0.0085	-2.5 to 2.5	Pass
				-10	3.6	-18.597	-0.0074	-2.5 to 2.5	Pass
				0	3.6	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.6	-15.850	-0.0063	-2.5 to 2.5	Pass
				30	3.6	-14.348	-0.0057	-2.5 to 2.5	Pass
				40	3.6	-11.458	-0.0046	-2.5 to 2.5	Pass
				50	3.6	-8.698	-0.0035	-2.5 to 2.5	Pass
16QAM	2593	100	0	20	3.3	-28.138	-0.0109	-2.5 to 2.5	Pass
					3.6	-13.890	-0.0054	-2.5 to 2.5	Pass
					4.2	-12.946	-0.0050	-2.5 to 2.5	Pass
				-30	3.6	-18.568	-0.0072	-2.5 to 2.5	Pass
				-20	3.6	-2.217	-0.0009	-2.5 to 2.5	Pass
				-10	3.6	-11.859	-0.0046	-2.5 to 2.5	Pass
				0	3.6	-5.336	-0.0021	-2.5 to 2.5	Pass
				10	3.6	-4.048	-0.0016	-2.5 to 2.5	Pass
				30	3.6	10.500	0.0040	-2.5 to 2.5	Pass
				40	3.6	1.030	0.0004	-2.5 to 2.5	Pass
				50	3.6	2.146	0.0008	-2.5 to 2.5	Pass
	2680	100	0	20	3.3	-25.749	-0.0096	-2.5 to 2.5	Pass
					3.6	-34.332	-0.0128	-2.5 to 2.5	Pass
					4.2	-28.124	-0.0105	-2.5 to 2.5	Pass
				-30	3.6	-37.165	-0.0139	-2.5 to 2.5	Pass
				-20	3.6	-41.227	-0.0154	-2.5 to 2.5	Pass
				-10	3.6	-42.529	-0.0159	-2.5 to 2.5	Pass
				0	3.6	-45.877	-0.0171	-2.5 to 2.5	Pass
				10	3.6	-7.010	-0.0026	-2.5 to 2.5	Pass
				30	3.6	-11.101	-0.0041	-2.5 to 2.5	Pass
				40	3.6	-13.218	-0.0049	-2.5 to 2.5	Pass
				50	3.6	-20.871	-0.0078	-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	2.203	0.0027	-2.5 to 2.5	Pass
					3.6	-4.606	-0.0056	-2.5 to 2.5	Pass

Modulation	Freq							Range	Result
					4.2	-7.539	-0.0091	-2.5 to 2.5	Pass
				-30	3.6	-8.469	-0.0103	-2.5 to 2.5	Pass
				-20	3.6	-7.868	-0.0095	-2.5 to 2.5	Pass
				-10	3.6	-6.380	-0.0077	-2.5 to 2.5	Pass
				0	3.6	-6.995	-0.0085	-2.5 to 2.5	Pass
				10	3.6	-5.150	-0.0062	-2.5 to 2.5	Pass
				30	3.6	-3.233	-0.0039	-2.5 to 2.5	Pass
				40	3.6	-1.459	-0.0018	-2.5 to 2.5	Pass
				50	3.6	-1.817	-0.0022	-2.5 to 2.5	Pass
					3.3	10.858	0.0130	-2.5 to 2.5	Pass
				20	3.6	-13.046	-0.0156	-2.5 to 2.5	Pass
					4.2	-35.634	-0.0426	-2.5 to 2.5	Pass
				-30	3.6	-30.084	-0.0360	-2.5 to 2.5	Pass
	836.5	6	0	-20	3.6	-14.620	-0.0175	-2.5 to 2.5	Pass
				-10	3.6	-44.532	-0.0532	-2.5 to 2.5	Pass
				0	3.6	-25.034	-0.0299	-2.5 to 2.5	Pass
				10	3.6	0.501	0.0006	-2.5 to 2.5	Pass
				30	3.6	-23.246	-0.0278	-2.5 to 2.5	Pass
				40	3.6	-43.216	-0.0517	-2.5 to 2.5	Pass
				50	3.6	-18.539	-0.0222	-2.5 to 2.5	Pass
					3.3	1.431	0.0017	-2.5 to 2.5	Pass
				20	3.6	-7.153	-0.0084	-2.5 to 2.5	Pass
					4.2	-17.681	-0.0208	-2.5 to 2.5	Pass
				-30	3.6	-27.723	-0.0327	-2.5 to 2.5	Pass
				-20	3.6	-38.352	-0.0452	-2.5 to 2.5	Pass
	848.3	6	0	-10	3.6	2.689	0.0032	-2.5 to 2.5	Pass
				0	3.6	-7.396	-0.0087	-2.5 to 2.5	Pass
				10	3.6	-14.806	-0.0175	-2.5 to 2.5	Pass
				30	3.6	-22.817	-0.0269	-2.5 to 2.5	Pass
				40	3.6	-30.470	-0.0359	-2.5 to 2.5	Pass
				50	3.6	-36.263	-0.0427	-2.5 to 2.5	Pass
					3.3	-0.615	-0.0007	-2.5 to 2.5	Pass
				20	3.6	0.916	0.0011	-2.5 to 2.5	Pass
					4.2	3.033	0.0037	-2.5 to 2.5	Pass
				-30	3.6	3.161	0.0038	-2.5 to 2.5	Pass
				-20	3.6	5.636	0.0068	-2.5 to 2.5	Pass
	824.7	6	0	-10	3.6	6.309	0.0077	-2.5 to 2.5	Pass
				0	3.6	5.050	0.0061	-2.5 to 2.5	Pass
				10	3.6	6.151	0.0075	-2.5 to 2.5	Pass
				30	3.6	6.580	0.0080	-2.5 to 2.5	Pass
				40	3.6	7.839	0.0095	-2.5 to 2.5	Pass
				50	3.6	7.982	0.0097	-2.5 to 2.5	Pass
					3.3	-36.707	-0.0439	-2.5 to 2.5	Pass
				20	3.6	-2.046	-0.0024	-2.5 to 2.5	Pass
					4.2	-15.063	-0.0180	-2.5 to 2.5	Pass
16QAM				-30	3.6	-27.609	-0.0330	-2.5 to 2.5	Pass
				-20	3.6	-38.323	-0.0458	-2.5 to 2.5	Pass
	836.5	6	0	-10	3.6	1.445	0.0017	-2.5 to 2.5	Pass
				0	3.6	-7.911	-0.0095	-2.5 to 2.5	Pass
				10	3.6	-18.368	-0.0220	-2.5 to 2.5	Pass
				30	3.6	-25.463	-0.0304	-2.5 to 2.5	Pass
				40	3.6	-34.189	-0.0409	-2.5 to 2.5	Pass
				50	3.6	-41.127	-0.0492	-2.5 to 2.5	Pass
					3.3	-43.430	-0.0512	-2.5 to 2.5	Pass
	848.3	6	0	20	3.6	-2.618	-0.0031	-2.5 to 2.5	Pass
					4.2	-6.409	-0.0076	-2.5 to 2.5	Pass
				-30	3.6	-9.713	-0.0114	-2.5 to 2.5	Pass

				-20	3.6	-12.975	-0.0153	-2.5 to 2.5	Pass
				-10	3.6	-15.249	-0.0180	-2.5 to 2.5	Pass
				0	3.6	-17.738	-0.0209	-2.5 to 2.5	Pass
				10	3.6	-21.043	-0.0248	-2.5 to 2.5	Pass
				30	3.6	-23.746	-0.0280	-2.5 to 2.5	Pass
				40	3.6	-26.708	-0.0315	-2.5 to 2.5	Pass
				50	3.6	-29.111	-0.0343	-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	-0.100	-0.0001	-2.5 to 2.5	Pass
					3.6	-9.284	-0.0112	-2.5 to 2.5	Pass
					4.2	-20.614	-0.0250	-2.5 to 2.5	Pass
				-30	3.6	-32.830	-0.0398	-2.5 to 2.5	Pass
				-20	3.6	-43.402	-0.0526	-2.5 to 2.5	Pass
				-10	3.6	-2.446	-0.0030	-2.5 to 2.5	Pass
				0	3.6	-10.486	-0.0127	-2.5 to 2.5	Pass
				10	3.6	-17.896	-0.0217	-2.5 to 2.5	Pass
				30	3.6	-23.961	-0.0290	-2.5 to 2.5	Pass
				40	3.6	-30.212	-0.0366	-2.5 to 2.5	Pass
				50	3.6	-34.504	-0.0418	-2.5 to 2.5	Pass
	836.5	15	0	20	3.3	3.805	0.0045	-2.5 to 2.5	Pass
					3.6	3.161	0.0038	-2.5 to 2.5	Pass
					4.2	2.446	0.0029	-2.5 to 2.5	Pass
				-30	3.6	0.372	0.0004	-2.5 to 2.5	Pass
				-20	3.6	0.715	0.0009	-2.5 to 2.5	Pass
				-10	3.6	-0.772	-0.0009	-2.5 to 2.5	Pass
				0	3.6	-1.302	-0.0016	-2.5 to 2.5	Pass
				10	3.6	-3.676	-0.0044	-2.5 to 2.5	Pass
				30	3.6	-2.503	-0.0030	-2.5 to 2.5	Pass
				40	3.6	-4.592	-0.0055	-2.5 to 2.5	Pass
				50	3.6	-5.007	-0.0060	-2.5 to 2.5	Pass
	847.5	15	0	20	3.3	3.290	0.0039	-2.5 to 2.5	Pass
					3.6	-0.916	-0.0011	-2.5 to 2.5	Pass
					4.2	-2.947	-0.0035	-2.5 to 2.5	Pass
				-30	3.6	-4.663	-0.0055	-2.5 to 2.5	Pass
				-20	3.6	-6.695	-0.0079	-2.5 to 2.5	Pass
				-10	3.6	-7.153	-0.0084	-2.5 to 2.5	Pass
				0	3.6	-7.038	-0.0083	-2.5 to 2.5	Pass
				10	3.6	-5.808	-0.0069	-2.5 to 2.5	Pass
				30	3.6	-7.467	-0.0088	-2.5 to 2.5	Pass
				40	3.6	-7.238	-0.0085	-2.5 to 2.5	Pass
				50	3.6	-7.267	-0.0086	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.3	-38.238	-0.0463	-2.5 to 2.5	Pass
					3.6	-42.114	-0.0510	-2.5 to 2.5	Pass
					4.2	-43.774	-0.0530	-2.5 to 2.5	Pass
				-30	3.6	-45.662	-0.0553	-2.5 to 2.5	Pass
				-20	3.6	-48.094	-0.0583	-2.5 to 2.5	Pass
				-10	3.6	-1.674	-0.0020	-2.5 to 2.5	Pass
				0	3.6	-3.333	-0.0040	-2.5 to 2.5	Pass

Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
			10	3.6	-4.807	-0.0058	-2.5 to 2.5	Pass
			30	3.6	-7.296	-0.0088	-2.5 to 2.5	Pass
			40	3.6	-8.612	-0.0104	-2.5 to 2.5	Pass
			50	3.6	-9.699	-0.0117	-2.5 to 2.5	Pass
836.5	15	0	20	3.3	-5.322	-0.0064	-2.5 to 2.5	Pass
			20	3.6	-6.652	-0.0080	-2.5 to 2.5	Pass
			20	4.2	-6.723	-0.0080	-2.5 to 2.5	Pass
			-30	3.6	-7.153	-0.0086	-2.5 to 2.5	Pass
			-20	3.6	-7.353	-0.0088	-2.5 to 2.5	Pass
			-10	3.6	-6.437	-0.0077	-2.5 to 2.5	Pass
			0	3.6	-7.138	-0.0085	-2.5 to 2.5	Pass
			10	3.6	-8.726	-0.0104	-2.5 to 2.5	Pass
			30	3.6	-8.512	-0.0102	-2.5 to 2.5	Pass
			40	3.6	-7.467	-0.0089	-2.5 to 2.5	Pass
			50	3.6	-8.783	-0.0105	-2.5 to 2.5	Pass
847.5	15	0	20	3.3	-7.095	-0.0084	-2.5 to 2.5	Pass
			20	3.6	-7.224	-0.0085	-2.5 to 2.5	Pass
			20	4.2	-6.037	-0.0071	-2.5 to 2.5	Pass
			-30	3.6	-4.778	-0.0056	-2.5 to 2.5	Pass
			-20	3.6	-6.738	-0.0080	-2.5 to 2.5	Pass
			-10	3.6	-6.251	-0.0074	-2.5 to 2.5	Pass
			0	3.6	-6.394	-0.0075	-2.5 to 2.5	Pass
			10	3.6	-7.510	-0.0089	-2.5 to 2.5	Pass
			30	3.6	-7.195	-0.0085	-2.5 to 2.5	Pass
			40	3.6	-6.394	-0.0075	-2.5 to 2.5	Pass
			50	3.6	-7.153	-0.0084	-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	14.305	0.0173	-2.5 to 2.5	Pass
				20	3.6	8.082	0.0098	-2.5 to 2.5	Pass
				20	4.2	6.294	0.0076	-2.5 to 2.5	Pass
				-30	3.6	5.407	0.0065	-2.5 to 2.5	Pass
				-20	3.6	6.752	0.0082	-2.5 to 2.5	Pass
				-10	3.6	6.595	0.0080	-2.5 to 2.5	Pass
				0	3.6	8.240	0.0100	-2.5 to 2.5	Pass
				10	3.6	8.640	0.0105	-2.5 to 2.5	Pass
				30	3.6	10.242	0.0124	-2.5 to 2.5	Pass
				40	3.6	9.928	0.0120	-2.5 to 2.5	Pass
				50	3.6	10.643	0.0129	-2.5 to 2.5	Pass
	836.5	25	0	20	3.3	5.693	0.0068	-2.5 to 2.5	Pass
				20	3.6	5.479	0.0065	-2.5 to 2.5	Pass
				20	4.2	4.134	0.0049	-2.5 to 2.5	Pass
				-30	3.6	3.748	0.0045	-2.5 to 2.5	Pass
				-20	3.6	2.646	0.0032	-2.5 to 2.5	Pass
				-10	3.6	2.947	0.0035	-2.5 to 2.5	Pass
				0	3.6	2.103	0.0025	-2.5 to 2.5	Pass
				10	3.6	2.289	0.0027	-2.5 to 2.5	Pass
				30	3.6	2.732	0.0033	-2.5 to 2.5	Pass
				40	3.6	2.217	0.0027	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
				50	3.6	2.947	0.0035	-2.5 to 2.5	Pass
	846.5	25	0	20	3.3	6.409	0.0076	-2.5 to 2.5	Pass
					3.6	3.605	0.0043	-2.5 to 2.5	Pass
					4.2	3.033	0.0036	-2.5 to 2.5	Pass
				-30	3.6	4.635	0.0055	-2.5 to 2.5	Pass
				-20	3.6	6.938	0.0082	-2.5 to 2.5	Pass
				-10	3.6	8.755	0.0103	-2.5 to 2.5	Pass
				0	3.6	11.430	0.0135	-2.5 to 2.5	Pass
				10	3.6	13.776	0.0163	-2.5 to 2.5	Pass
				30	3.6	15.106	0.0178	-2.5 to 2.5	Pass
				40	3.6	17.509	0.0207	-2.5 to 2.5	Pass
				50	3.6	18.840	0.0223	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.3	11.659	0.0141	-2.5 to 2.5	Pass
					3.6	11.759	0.0142	-2.5 to 2.5	Pass
					4.2	13.633	0.0165	-2.5 to 2.5	Pass
				-30	3.6	13.676	0.0165	-2.5 to 2.5	Pass
				-20	3.6	13.947	0.0169	-2.5 to 2.5	Pass
				-10	3.6	12.918	0.0156	-2.5 to 2.5	Pass
				0	3.6	13.175	0.0159	-2.5 to 2.5	Pass
				10	3.6	13.289	0.0161	-2.5 to 2.5	Pass
				30	3.6	14.005	0.0169	-2.5 to 2.5	Pass
				40	3.6	13.204	0.0160	-2.5 to 2.5	Pass
				50	3.6	13.247	0.0160	-2.5 to 2.5	Pass
	836.5	25	0	20	3.3	2.775	0.0033	-2.5 to 2.5	Pass
					3.6	3.304	0.0039	-2.5 to 2.5	Pass
					4.2	2.146	0.0026	-2.5 to 2.5	Pass
				-30	3.6	0.973	0.0012	-2.5 to 2.5	Pass
				-20	3.6	1.431	0.0017	-2.5 to 2.5	Pass
				-10	3.6	1.044	0.0012	-2.5 to 2.5	Pass
				0	3.6	-0.973	-0.0012	-2.5 to 2.5	Pass
				10	3.6	-1.087	-0.0013	-2.5 to 2.5	Pass
				30	3.6	-1.016	-0.0012	-2.5 to 2.5	Pass
				40	3.6	-2.604	-0.0031	-2.5 to 2.5	Pass
				50	3.6	-2.403	-0.0029	-2.5 to 2.5	Pass
	846.5	25	0	20	3.3	20.342	0.0240	-2.5 to 2.5	Pass
					3.6	22.488	0.0266	-2.5 to 2.5	Pass
					4.2	24.176	0.0286	-2.5 to 2.5	Pass
				-30	3.6	24.719	0.0292	-2.5 to 2.5	Pass
				-20	3.6	24.490	0.0289	-2.5 to 2.5	Pass
				-10	3.6	25.306	0.0299	-2.5 to 2.5	Pass
				0	3.6	25.964	0.0307	-2.5 to 2.5	Pass
				10	3.6	26.422	0.0312	-2.5 to 2.5	Pass
				30	3.6	26.236	0.0310	-2.5 to 2.5	Pass
				40	3.6	27.137	0.0321	-2.5 to 2.5	Pass
				50	3.6	25.363	0.0300	-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	11.959	0.0144	-2.5 to 2.5	Pass
					3.6	3.633	0.0044	-2.5 to 2.5	Pass

					4.2	2.918	0.0035	-2.5 to 2.5	Pass
				-30	3.6	3.676	0.0044	-2.5 to 2.5	Pass
				-20	3.6	5.565	0.0067	-2.5 to 2.5	Pass
				-10	3.6	8.554	0.0103	-2.5 to 2.5	Pass
				0	3.6	8.869	0.0107	-2.5 to 2.5	Pass
				10	3.6	10.700	0.0129	-2.5 to 2.5	Pass
				30	3.6	11.516	0.0139	-2.5 to 2.5	Pass
				40	3.6	14.005	0.0169	-2.5 to 2.5	Pass
				50	3.6	14.062	0.0170	-2.5 to 2.5	Pass
	836.5	50	0		3.3	9.313	0.0111	-2.5 to 2.5	Pass
				20	3.6	6.280	0.0075	-2.5 to 2.5	Pass
					4.2	5.579	0.0067	-2.5 to 2.5	Pass
				-30	3.6	5.894	0.0070	-2.5 to 2.5	Pass
				-20	3.6	5.994	0.0072	-2.5 to 2.5	Pass
				-10	3.6	6.237	0.0075	-2.5 to 2.5	Pass
				0	3.6	7.353	0.0088	-2.5 to 2.5	Pass
				10	3.6	6.852	0.0082	-2.5 to 2.5	Pass
				30	3.6	7.424	0.0089	-2.5 to 2.5	Pass
				40	3.6	7.596	0.0091	-2.5 to 2.5	Pass
				50	3.6	6.623	0.0079	-2.5 to 2.5	Pass
	844	50	0		3.3	7.124	0.0084	-2.5 to 2.5	Pass
				20	3.6	3.462	0.0041	-2.5 to 2.5	Pass
					4.2	5.894	0.0070	-2.5 to 2.5	Pass
				-30	3.6	11.001	0.0130	-2.5 to 2.5	Pass
				-20	3.6	15.907	0.0188	-2.5 to 2.5	Pass
				-10	3.6	19.255	0.0228	-2.5 to 2.5	Pass
				0	3.6	23.189	0.0275	-2.5 to 2.5	Pass
				10	3.6	27.151	0.0322	-2.5 to 2.5	Pass
				30	3.6	30.799	0.0365	-2.5 to 2.5	Pass
				40	3.6	32.816	0.0389	-2.5 to 2.5	Pass
				50	3.6	35.763	0.0424	-2.5 to 2.5	Pass
	829	50	0		3.3	15.435	0.0186	-2.5 to 2.5	Pass
				20	3.6	16.479	0.0199	-2.5 to 2.5	Pass
					4.2	17.037	0.0206	-2.5 to 2.5	Pass
				-30	3.6	16.394	0.0198	-2.5 to 2.5	Pass
				-20	3.6	15.693	0.0189	-2.5 to 2.5	Pass
				-10	3.6	15.907	0.0192	-2.5 to 2.5	Pass
				0	3.6	14.906	0.0180	-2.5 to 2.5	Pass
				10	3.6	14.019	0.0169	-2.5 to 2.5	Pass
				30	3.6	14.133	0.0170	-2.5 to 2.5	Pass
				40	3.6	13.719	0.0165	-2.5 to 2.5	Pass
				50	3.6	13.733	0.0166	-2.5 to 2.5	Pass
16QAM	836.5	50	0		3.3	5.336	0.0064	-2.5 to 2.5	Pass
				20	3.6	5.994	0.0072	-2.5 to 2.5	Pass
					4.2	4.892	0.0058	-2.5 to 2.5	Pass
				-30	3.6	2.990	0.0036	-2.5 to 2.5	Pass
				-20	3.6	1.788	0.0021	-2.5 to 2.5	Pass
				-10	3.6	0.615	0.0007	-2.5 to 2.5	Pass
				0	3.6	-0.873	-0.0010	-2.5 to 2.5	Pass
				10	3.6	-0.858	-0.0010	-2.5 to 2.5	Pass
				30	3.6	-1.059	-0.0013	-2.5 to 2.5	Pass
				40	3.6	-2.403	-0.0029	-2.5 to 2.5	Pass
				50	3.6	-3.061	-0.0037	-2.5 to 2.5	Pass
	844	50	0		3.3	39.053	0.0463	-2.5 to 2.5	Pass
				20	3.6	42.014	0.0498	-2.5 to 2.5	Pass
					4.2	42.315	0.0501	-2.5 to 2.5	Pass
				-30	3.6	42.114	0.0499	-2.5 to 2.5	Pass

				-20	3.6	41.313	0.0489	-2.5 to 2.5	Pass
				-10	3.6	40.970	0.0485	-2.5 to 2.5	Pass
				0	3.6	40.684	0.0482	-2.5 to 2.5	Pass
				10	3.6	40.841	0.0484	-2.5 to 2.5	Pass
				30	3.6	41.084	0.0487	-2.5 to 2.5	Pass
				40	3.6	42.243	0.0501	-2.5 to 2.5	Pass
				50	3.6	42.644	0.0505	-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	-1.316	-0.0005	-2.5 to 2.5	Pass
					3.6	-6.037	-0.0024	-2.5 to 2.5	Pass
					4.2	-15.578	-0.0062	-2.5 to 2.5	Pass
				-30	3.6	-22.073	-0.0088	-2.5 to 2.5	Pass
				-20	3.6	-23.789	-0.0095	-2.5 to 2.5	Pass
				-10	3.6	-22.902	-0.0092	-2.5 to 2.5	Pass
				0	3.6	-21.415	-0.0086	-2.5 to 2.5	Pass
				10	3.6	-17.037	-0.0068	-2.5 to 2.5	Pass
				30	3.6	-13.146	-0.0053	-2.5 to 2.5	Pass
				40	3.6	-7.353	-0.0029	-2.5 to 2.5	Pass
				50	3.6	-0.229	-0.0001	-2.5 to 2.5	Pass
	2535	25	0	20	3.3	24.705	0.0097	-2.5 to 2.5	Pass
					3.6	27.351	0.0108	-2.5 to 2.5	Pass
					4.2	28.081	0.0111	-2.5 to 2.5	Pass
				-30	3.6	23.847	0.0094	-2.5 to 2.5	Pass
				-20	3.6	21.572	0.0085	-2.5 to 2.5	Pass
				-10	3.6	19.512	0.0077	-2.5 to 2.5	Pass
				0	3.6	16.751	0.0066	-2.5 to 2.5	Pass
				10	3.6	14.791	0.0058	-2.5 to 2.5	Pass
				30	3.6	11.530	0.0045	-2.5 to 2.5	Pass
				40	3.6	7.653	0.0030	-2.5 to 2.5	Pass
				50	3.6	7.839	0.0031	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.3	0.544	0.0002	-2.5 to 2.5	Pass
					3.6	-3.605	-0.0014	-2.5 to 2.5	Pass
					4.2	-8.297	-0.0032	-2.5 to 2.5	Pass
				-30	3.6	-11.902	-0.0046	-2.5 to 2.5	Pass
				-20	3.6	-7.281	-0.0028	-2.5 to 2.5	Pass
				-10	3.6	0.229	0.0001	-2.5 to 2.5	Pass
				0	3.6	10.057	0.0039	-2.5 to 2.5	Pass
				10	3.6	20.442	0.0080	-2.5 to 2.5	Pass
				30	3.6	32.387	0.0126	-2.5 to 2.5	Pass
				40	3.6	-5.722	-0.0022	-2.5 to 2.5	Pass
				50	3.6	1.359	0.0005	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.3	5.264	0.0021	-2.5 to 2.5	Pass
					3.6	11.544	0.0046	-2.5 to 2.5	Pass
					4.2	19.441	0.0078	-2.5 to 2.5	Pass
				-30	3.6	21.658	0.0087	-2.5 to 2.5	

			-20	3.6	26.364	0.0105	-2.5 to 2.5	Pass
			-10	3.6	28.110	0.0112	-2.5 to 2.5	Pass
			0	3.6	33.002	0.0132	-2.5 to 2.5	Pass
			10	3.6	37.494	0.0150	-2.5 to 2.5	Pass
			30	3.6	39.797	0.0159	-2.5 to 2.5	Pass
			40	3.6	6.194	0.0025	-2.5 to 2.5	Pass
			50	3.6	8.054	0.0032	-2.5 to 2.5	Pass
				3.3	4.849	0.0019	-2.5 to 2.5	Pass
			20	3.6	4.935	0.0019	-2.5 to 2.5	Pass
				4.2	5.164	0.0020	-2.5 to 2.5	Pass
			-30	3.6	1.531	0.0006	-2.5 to 2.5	Pass
			-20	3.6	-1.774	-0.0007	-2.5 to 2.5	Pass
	2535	25	0	-10	3.6	-1.631	-0.0006	-2.5 to 2.5	Pass
				0	3.6	-4.964	-0.0020	-2.5 to 2.5	Pass
			10	3.6	-7.281	-0.0029	-2.5 to 2.5	Pass
			30	3.6	-8.841	-0.0035	-2.5 to 2.5	Pass
			40	3.6	-10.486	-0.0041	-2.5 to 2.5	Pass
			50	3.6	-12.259	-0.0048	-2.5 to 2.5	Pass
				3.3	17.524	0.0068	-2.5 to 2.5	Pass
			20	3.6	31.128	0.0121	-2.5 to 2.5	Pass
				4.2	41.442	0.0161	-2.5 to 2.5	Pass
			-30	3.6	35.634	0.0139	-2.5 to 2.5	Pass
			-20	3.6	10.557	0.0041	-2.5 to 2.5	Pass
	2567.5	25	0	-10	3.6	19.956	0.0078	-2.5 to 2.5	Pass
				0	3.6	26.107	0.0102	-2.5 to 2.5	Pass
			10	3.6	34.275	0.0133	-2.5 to 2.5	Pass
			30	3.6	1.945	0.0008	-2.5 to 2.5	Pass
			40	3.6	6.895	0.0027	-2.5 to 2.5	Pass
			50	3.6	12.631	0.0049	-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	18.082	0.0072	-2.5 to 2.5	Pass
					3.6	0.243	0.0001	-2.5 to 2.5	Pass
					4.2	-6.237	-0.0025	-2.5 to 2.5	Pass
				-30	3.6	-0.672	-0.0003	-2.5 to 2.5	Pass
				-20	3.6	10.757	0.0043	-2.5 to 2.5	Pass
				-10	3.6	24.505	0.0098	-2.5 to 2.5	Pass
				0	3.6	38.266	0.0153	-2.5 to 2.5	Pass
				10	3.6	21.229	0.0085	-2.5 to 2.5	Pass
				30	3.6	36.292	0.0145	-2.5 to 2.5	Pass
				40	3.6	2.260	0.0009	-2.5 to 2.5	Pass
				50	3.6	20.528	0.0082	-2.5 to 2.5	Pass
	2535	50	0	20	3.3	0.243	0.0001	-2.5 to 2.5	Pass
					3.6	-1.287	-0.0005	-2.5 to 2.5	Pass
					4.2	-13.046	-0.0051	-2.5 to 2.5	Pass
				-30	3.6	-21.729	-0.0086	-2.5 to 2.5	Pass
				-20	3.6	-30.656	-0.0121	-2.5 to 2.5	Pass
				-10	3.6	-38.066	-0.0150	-2.5 to 2.5	Pass
				0	3.6	-39.740	-0.0157	-2.5 to 2.5	Pass

Modulation	Frequency	RB Allocation		Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)		Verdict
				10	3.6	9.985	0.0039	-2.5 to 2.5	Pass
				30	3.6	3.204	0.0013	-2.5 to 2.5	Pass
				40	3.6	-1.731	-0.0007	-2.5 to 2.5	Pass
				50	3.6	-5.765	-0.0023	-2.5 to 2.5	Pass
	2565	50	0	20	3.3	12.116	0.0047	-2.5 to 2.5	Pass
					3.6	2.875	0.0011	-2.5 to 2.5	Pass
					4.2	3.748	0.0015	-2.5 to 2.5	Pass
				-30	3.6	15.764	0.0061	-2.5 to 2.5	Pass
				-20	3.6	32.258	0.0126	-2.5 to 2.5	Pass
				-10	3.6	27.452	0.0107	-2.5 to 2.5	Pass
				0	3.6	41.642	0.0162	-2.5 to 2.5	Pass
				10	3.6	8.111	0.0032	-2.5 to 2.5	Pass
				30	3.6	32.458	0.0127	-2.5 to 2.5	Pass
				40	3.6	19.712	0.0077	-2.5 to 2.5	Pass
				50	3.6	44.932	0.0175	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.3	38.109	0.0152	-2.5 to 2.5	Pass
					3.6	40.140	0.0160	-2.5 to 2.5	Pass
					4.2	32.201	0.0129	-2.5 to 2.5	Pass
				-30	3.6	41.757	0.0167	-2.5 to 2.5	Pass
				-20	3.6	46.749	0.0187	-2.5 to 2.5	Pass
				-10	3.6	47.607	0.0190	-2.5 to 2.5	Pass
				0	3.6	21.358	0.0085	-2.5 to 2.5	Pass
				10	3.6	26.979	0.0108	-2.5 to 2.5	Pass
				30	3.6	30.813	0.0123	-2.5 to 2.5	Pass
				40	3.6	36.063	0.0144	-2.5 to 2.5	Pass
				50	3.6	42.672	0.0170	-2.5 to 2.5	Pass
	2535	50	0	20	3.3	-10.500	-0.0041	-2.5 to 2.5	Pass
					3.6	-10.099	-0.0040	-2.5 to 2.5	Pass
					4.2	-14.920	-0.0059	-2.5 to 2.5	Pass
				-30	3.6	-20.328	-0.0080	-2.5 to 2.5	Pass
				-20	3.6	-26.765	-0.0106	-2.5 to 2.5	Pass
				-10	3.6	-31.157	-0.0123	-2.5 to 2.5	Pass
				0	3.6	-36.321	-0.0143	-2.5 to 2.5	Pass
				10	3.6	-34.747	-0.0137	-2.5 to 2.5	Pass
				30	3.6	-10.014	-0.0040	-2.5 to 2.5	Pass
				40	3.6	-15.521	-0.0061	-2.5 to 2.5	Pass
				50	3.6	-21.214	-0.0084	-2.5 to 2.5	Pass
	2565	50	0	20	3.3	7.410	0.0029	-2.5 to 2.5	Pass
					3.6	29.669	0.0116	-2.5 to 2.5	Pass
					4.2	13.847	0.0054	-2.5 to 2.5	Pass
				-30	3.6	12.417	0.0048	-2.5 to 2.5	Pass
				-20	3.6	22.573	0.0088	-2.5 to 2.5	Pass
				-10	3.6	31.815	0.0124	-2.5 to 2.5	Pass
				0	3.6	39.053	0.0152	-2.5 to 2.5	Pass
				10	3.6	49.524	0.0193	-2.5 to 2.5	Pass
				30	3.6	20.900	0.0081	-2.5 to 2.5	Pass
				40	3.6	15.936	0.0062	-2.5 to 2.5	Pass
				50	3.6	23.289	0.0091	-2.5 to 2.5	Pass

8.3 B7_15MHz

8.3.1 Test Result

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

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	2507.5	75	0	20	3.3	20.528	0.0082	-2.5 to 2.5	Pass
					3.6	-0.815	-0.0003	-2.5 to 2.5	Pass
					4.2	-3.104	-0.0012	-2.5 to 2.5	Pass
				-30	3.6	4.621	0.0018	-2.5 to 2.5	Pass
				-20	3.6	20.585	0.0082	-2.5 to 2.5	Pass
				-10	3.6	17.338	0.0069	-2.5 to 2.5	Pass
				0	3.6	16.265	0.0065	-2.5 to 2.5	Pass
				10	3.6	36.349	0.0145	-2.5 to 2.5	Pass
				30	3.6	28.653	0.0114	-2.5 to 2.5	Pass
				40	3.6	18.597	0.0074	-2.5 to 2.5	Pass
				50	3.6	7.854	0.0031	-2.5 to 2.5	Pass
	2535	75	0	20	3.3	12.074	0.0048	-2.5 to 2.5	Pass
					3.6	2.832	0.0011	-2.5 to 2.5	Pass
					4.2	-8.039	-0.0032	-2.5 to 2.5	Pass
				-30	3.6	-23.589	-0.0093	-2.5 to 2.5	Pass
				-20	3.6	-36.621	-0.0144	-2.5 to 2.5	Pass
				-10	3.6	-48.995	-0.0193	-2.5 to 2.5	Pass
				0	3.6	1.044	0.0004	-2.5 to 2.5	Pass
				10	3.6	-8.783	-0.0035	-2.5 to 2.5	Pass
				30	3.6	-15.092	-0.0060	-2.5 to 2.5	Pass
				40	3.6	-19.183	-0.0076	-2.5 to 2.5	Pass
				50	3.6	-30.527	-0.0120	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.3	2.904	0.0011	-2.5 to 2.5	Pass
					3.6	-9.527	-0.0037	-2.5 to 2.5	Pass
					4.2	-9.484	-0.0037	-2.5 to 2.5	Pass
				-30	3.6	6.938	0.0027	-2.5 to 2.5	Pass
				-20	3.6	28.467	0.0111	-2.5 to 2.5	Pass
				-10	3.6	22.001	0.0086	-2.5 to 2.5	Pass
				0	3.6	23.160	0.0090	-2.5 to 2.5	Pass
				10	3.6	27.823	0.0109	-2.5 to 2.5	Pass
				30	3.6	35.734	0.0139	-2.5 to 2.5	Pass
				40	3.6	43.101	0.0168	-2.5 to 2.5	Pass
				50	3.6	12.388	0.0048	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.3	30.584	0.0122	-2.5 to 2.5	Pass
					3.6	24.419	0.0097	-2.5 to 2.5	Pass
					4.2	30.313	0.0121	-2.5 to 2.5	Pass
				-30	3.6	27.423	0.0109	-2.5 to 2.5	Pass
				-20	3.6	-0.730	-0.0003	-2.5 to 2.5	Pass
				-10	3.6	7.353	0.0029	-2.5 to 2.5	Pass
				0	3.6	16.179	0.0065	-2.5 to 2.5	Pass
				10	3.6	25.792	0.0103	-2.5 to 2.5	Pass
				30	3.6	36.650	0.0146	-2.5 to 2.5	Pass
				40	3.6	46.091	0.0184	-2.5 to 2.5	Pass
				50	3.6	27.666	0.0110	-2.5 to 2.5	Pass
	2535	75	0	20	3.3	-38.681	-0.0153	-2.5 to 2.5	Pass
					3.6	-42.415	-0.0167	-2.5 to 2.5	Pass
					4.2	-38.624	-0.0152	-2.5 to 2.5	Pass
				-30	3.6	-23.718	-0.0094	-2.5 to 2.5	Pass
				-20	3.6	-33.760	-0.0133	-2.5 to 2.5	Pass
				-10	3.6	-46.434	-0.0183	-2.5 to 2.5	Pass
				0	3.6	1.273	0.0005	-2.5 to 2.5	Pass
				10	3.6	-7.668	-0.0030	-2.5 to 2.5	Pass
				30	3.6	-14.834	-0.0059	-2.5 to 2.5	Pass
				40	3.6	-23.861	-0.0094	-2.5 to 2.5	Pass
				50	3.6	-35.191	-0.0139	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.3	37.351	0.0146	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
					3.6	-0.215	-0.0001	-2.5 to 2.5	Pass
					4.2	17.667	0.0069	-2.5 to 2.5	Pass
				-30	3.6	30.141	0.0118	-2.5 to 2.5	Pass
				-20	3.6	3.977	0.0016	-2.5 to 2.5	Pass
				-10	3.6	11.215	0.0044	-2.5 to 2.5	Pass
				0	3.6	21.529	0.0084	-2.5 to 2.5	Pass
				10	3.6	25.978	0.0101	-2.5 to 2.5	Pass
				30	3.6	37.894	0.0148	-2.5 to 2.5	Pass
				40	3.6	2.732	0.0011	-2.5 to 2.5	Pass
				50	3.6	16.222	0.0063	-2.5 to 2.5	Pass

8.4 B7_20MHz

8.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.3	4.134	0.0016	-2.5 to 2.5	Pass
					3.6	-41.842	-0.0167	-2.5 to 2.5	Pass
					4.2	-38.438	-0.0153	-2.5 to 2.5	Pass
				-30	3.6	-15.907	-0.0063	-2.5 to 2.5	Pass
				-20	3.6	20.828	0.0083	-2.5 to 2.5	Pass
				-10	3.6	26.007	0.0104	-2.5 to 2.5	Pass
				0	3.6	22.359	0.0089	-2.5 to 2.5	Pass
				10	3.6	21.272	0.0085	-2.5 to 2.5	Pass
				30	3.6	27.294	0.0109	-2.5 to 2.5	Pass
				40	3.6	24.977	0.0100	-2.5 to 2.5	Pass
				50	3.6	6.495	0.0026	-2.5 to 2.5	Pass
	2535	100	0	20	3.3	15.850	0.0063	-2.5 to 2.5	Pass
					3.6	-6.166	-0.0024	-2.5 to 2.5	Pass
					4.2	-31.857	-0.0126	-2.5 to 2.5	Pass
				-30	3.6	-4.292	-0.0017	-2.5 to 2.5	Pass
				-20	3.6	-20.142	-0.0079	-2.5 to 2.5	Pass
				-10	3.6	-38.109	-0.0150	-2.5 to 2.5	Pass
				0	3.6	-6.166	-0.0024	-2.5 to 2.5	Pass
				10	3.6	-6.552	-0.0026	-2.5 to 2.5	Pass
				30	3.6	-16.665	-0.0066	-2.5 to 2.5	Pass
				40	3.6	-23.203	-0.0092	-2.5 to 2.5	Pass
				50	3.6	-22.717	-0.0090	-2.5 to 2.5	Pass
	2560	100	0	20	3.3	10.757	0.0042	-2.5 to 2.5	Pass
					3.6	0.300	0.0001	-2.5 to 2.5	Pass
					4.2	23.146	0.0090	-2.5 to 2.5	Pass
				-30	3.6	27.308	0.0107	-2.5 to 2.5	Pass
				-20	3.6	19.183	0.0075	-2.5 to 2.5	Pass
				-10	3.6	7.682	0.0030	-2.5 to 2.5	Pass
				0	3.6	27.394	0.0107	-2.5 to 2.5	Pass
				10	3.6	16.065	0.0063	-2.5 to 2.5	Pass
				30	3.6	31.056	0.0121	-2.5 to 2.5	Pass
				40	3.6	7.381	0.0029	-2.5 to 2.5	Pass
				50	3.6	35.605	0.0139	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.3	34.847	0.0139	-2.5 to 2.5	Pass
					3.6	20.599	0.0082	-2.5 to 2.5	Pass
					4.2	33.088	0.0132	-2.5 to 2.5	Pass
				-30	3.6	41.542	0.0166	-2.5 to 2.5	Pass

				-20	3.6	-13.719	-0.0055	-2.5 to 2.5	Pass
				-10	3.6	-9.584	-0.0038	-2.5 to 2.5	Pass
				0	3.6	-4.320	-0.0017	-2.5 to 2.5	Pass
				10	3.6	-1.130	-0.0005	-2.5 to 2.5	Pass
				30	3.6	4.864	0.0019	-2.5 to 2.5	Pass
				40	3.6	12.689	0.0051	-2.5 to 2.5	Pass
				50	3.6	20.156	0.0080	-2.5 to 2.5	Pass
					3.3	-23.475	-0.0093	-2.5 to 2.5	Pass
				20	3.6	-31.042	-0.0122	-2.5 to 2.5	Pass
					4.2	-34.704	-0.0137	-2.5 to 2.5	Pass
				-30	3.6	-26.250	-0.0104	-2.5 to 2.5	Pass
				-20	3.6	-25.191	-0.0099	-2.5 to 2.5	Pass
	2535	100	0	-10	3.6	-22.717	-0.0090	-2.5 to 2.5	Pass
				0	3.6	-40.956	-0.0162	-2.5 to 2.5	Pass
				10	3.6	-15.421	-0.0061	-2.5 to 2.5	Pass
				30	3.6	-30.098	-0.0119	-2.5 to 2.5	Pass
				40	3.6	-45.562	-0.0180	-2.5 to 2.5	Pass
				50	3.6	-6.208	-0.0024	-2.5 to 2.5	Pass
					3.3	30.055	0.0117	-2.5 to 2.5	Pass
				20	3.6	-4.663	-0.0018	-2.5 to 2.5	Pass
					4.2	14.648	0.0057	-2.5 to 2.5	Pass
				-30	3.6	23.460	0.0092	-2.5 to 2.5	Pass
				-20	3.6	32.387	0.0127	-2.5 to 2.5	Pass
	2560	100	0	-10	3.6	38.309	0.0150	-2.5 to 2.5	Pass
				0	3.6	30.899	0.0121	-2.5 to 2.5	Pass
				10	3.6	11.916	0.0047	-2.5 to 2.5	Pass
				30	3.6	18.368	0.0072	-2.5 to 2.5	Pass
				40	3.6	28.439	0.0111	-2.5 to 2.5	Pass
				50	3.6	37.937	0.0148	-2.5 to 2.5	Pass