

1. Frequency Stability

1.1 B12_1.4MHz

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.27	-0.129	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.172	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.087	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.402	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-0.987	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.316	-0.0019	-2.5 to 2.5	Pass
					4.43	-0.687	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.087	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.016	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-1.674	-0.0023	-2.5 to 2.5	Pass
					3.85	-1.545	-0.0022	-2.5 to 2.5	Pass
					4.43	-0.458	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.415	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.016	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.744	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-0.501	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.402	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-0.944	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-1.302	-0.0018	-2.5 to 2.5	Pass
					3.85	-0.315	-0.0004	-2.5 to 2.5	Pass

					4.43	-1.073	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.717	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-0.930	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.744	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-1.988	-0.0028	-2.5 to 2.5	Pass
					3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
					4.43	-3.047	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.760	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.373	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.046	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-2.103	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-1.445	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass

1.2 B12_3MHz

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	0.730	0.0010	-2.5 to 2.5	Pass
					3.85	0.172	0.0002	-2.5 to 2.5	Pass
					4.43	1.116	0.0016	-2.5 to 2.5	Pass
				-30	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.443	0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.587	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.787	0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.758	0.0011	-2.5 to 2.5	Pass
				40	3.85	0.443	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.100	0.0001	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-0.157	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
					4.43	-0.801	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.245	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-0.601	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-0.701	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
					4.43	0.758	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.801	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.073	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.388	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				40	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.372	0.0005	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	0.701	0.0010	-2.5 to 2.5	Pass
					3.85	0.315	0.0004	-2.5 to 2.5	Pass
					4.43	0.200	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.672	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.701	0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.415	0.0006	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-0.830	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0012	-2.5 to 2.5	Pass

				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-0.758	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
					4.43	-0.257	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.687	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.960	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass

1.3 B12_5MHz

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-1.702	-0.0024	-2.5 to 2.5	Pass
					3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.473	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.202	-0.0017	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	0.715	0.0010	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
					4.43	-2.189	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	0.186	0.0003	-2.5 to 2.5	Pass
					3.85	-1.087	-0.0015	-2.5 to 2.5	Pass
					4.43	-0.072	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.358	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.057	0.0001	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-0.458	-0.0007	-2.5 to 2.5	Pass
					3.85	0.257	0.0004	-2.5 to 2.5	Pass
					4.43	-0.515	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				10	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				40	3.85	0.587	0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-0.486	-0.0007	-2.5 to 2.5	Pass
					3.85	0.315	0.0004	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0012	-2.5 to 2.5	Pass

				-30	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.531	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.343	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.887	-0.0013	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.815	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
					4.43	-1.302	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-0.958	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
				0	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.230	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.860	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-1.373	-0.0019	-2.5 to 2.5	Pass

1.4 B12_10MHz

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	0.916	0.0013	-2.5 to 2.5	Pass
					3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.372	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.615	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.672	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-0.057	-0.0001	-2.5 to 2.5	Pass
					3.85	0.086	0.0001	-2.5 to 2.5	Pass
					4.43	-0.787	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-1.817	-0.0026	-2.5 to 2.5	Pass
					3.85	-1.845	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.631	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.373	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-2.332	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-2.575	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-2.103	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-2.146	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-1.860	-0.0026	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-0.443	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
					4.43	0.358	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.230	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.744	-0.0011	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-0.486	-0.0007	-2.5 to 2.5	Pass
					3.85	0.014	0.0000	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0012	-2.5 to 2.5	Pass

				-30	3.85	-0.744	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.257	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-2.160	-0.0030	-2.5 to 2.5	Pass
					3.85	-1.745	-0.0025	-2.5 to 2.5	Pass
					4.43	-1.431	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.974	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-2.632	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-2.446	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.502	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-1.287	-0.0018	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B17_5MHz

2.1.1 Test Result

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	-0.901	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.931	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-1.659	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.960	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.601	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.431	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-0.458	-0.0006	-2.5 to 2.5	Pass
					3.85	0.329	0.0005	-2.5 to 2.5	Pass
					4.43	0.200	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				40	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.601	-0.0008	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.944	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.114	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.230	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.159	-0.0016	-2.5 to 2.5	Pass
				40	3.85	0.329	0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-0.815	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.016	-0.0014	-2.5 to 2.5	Pass
					4.43	-0.973	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.601	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.588	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass

	710	25	0	20	3.27	0.086	0.0001	-2.5 to 2.5	Pass
					3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.143	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-1.373	-0.0019	-2.5 to 2.5	Pass
					3.85	0.587	0.0008	-2.5 to 2.5	Pass
					4.43	-0.987	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.601	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.030	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				50	3.85	0.372	0.0005	-2.5 to 2.5	Pass

2.2 B17_10MHz

2.2.1 Test Result

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.27	-1.516	-0.0021	-2.5 to 2.5	Pass
					3.85	-1.760	-0.0025	-2.5 to 2.5	Pass
					4.43	-0.515	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.888	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-1.073	-0.0015	-2.5 to 2.5	Pass
					3.85	0.386	0.0005	-2.5 to 2.5	Pass
					4.43	-0.386	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.644	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-0.658	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.903	-0.0027	-2.5 to 2.5	Pass
					4.43	-1.159	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-2.561	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-2.017	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.260	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.702	-0.0024	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-1.001	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.431	-0.0020	-2.5 to 2.5	Pass
					4.43	-0.544	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.701	0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.958	0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-0.200	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.072	-0.0001	-2.5 to 2.5	Pass

				-30	3.85	1.388	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-1.431	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-1.416	-0.0020	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-2.189	-0.0031	-2.5 to 2.5	Pass
					3.85	-1.745	-0.0025	-2.5 to 2.5	Pass
					4.43	-1.917	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-1.302	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.203	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-2.131	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-2.646	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-2.704	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-2.761	-0.0039	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 B2_1.4MHz

3.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.27	-4.978	-0.0027	-2.5 to 2.5	Pass
					3.85	-5.336	-0.0029	-2.5 to 2.5	Pass
					4.43	-2.990	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.233	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-3.061	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-4.163	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-3.734	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.104	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.204	-0.0017	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	-5.865	-0.0031	-2.5 to 2.5	Pass
					3.85	-5.393	-0.0029	-2.5 to 2.5	Pass
					4.43	-6.466	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-5.822	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-5.951	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-5.050	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-3.891	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-5.078	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-4.478	-0.0024	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	1.216	0.0006	-2.5 to 2.5	Pass
					3.85	0.243	0.0001	-2.5 to 2.5	Pass
					4.43	1.159	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.330	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.559	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.300	0.0002	-2.5 to 2.5	Pass
				30	3.85	1.159	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.801	0.0004	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	-4.792	-0.0026	-2.5 to 2.5	Pass
					3.85	-3.591	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.034	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.878	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-4.120	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.506	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-4.663	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-5.250	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-3.476	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-5.236	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-4.749	-0.0026	-2.5 to 2.5	Pass

	1880	6	0	20	3.27	-3.648	-0.0019	-2.5 to 2.5	Pass
					3.85	-3.648	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.334	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-3.290	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.661	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-3.605	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.718	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.633	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-3.977	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-2.689	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.704	-0.0014	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	2.632	0.0014	-2.5 to 2.5	Pass
					3.85	1.659	0.0009	-2.5 to 2.5	Pass
					4.43	0.858	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				0	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				10	3.85	2.260	0.0012	-2.5 to 2.5	Pass
				30	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.545	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.329	0.0002	-2.5 to 2.5	Pass

3.2 B2_3MHz

3.2.1 Test Result

Band: 2 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.27	-1.445	-0.0008	-2.5 to 2.5	Pass
					3.85	-2.203	-0.0012	-2.5 to 2.5	Pass
					4.43	-2.303	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.516	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.559	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.360	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-2.232	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.831	-0.0010	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-2.704	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
					4.43	-3.247	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.875	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.475	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.161	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-3.233	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.561	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.033	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-2.503	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0018	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	0.386	0.0002	-2.5 to 2.5	Pass
					3.85	1.445	0.0008	-2.5 to 2.5	Pass
					4.43	1.488	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.874	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.659	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				30	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.443	0.0002	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.27	-4.907	-0.0027	-2.5 to 2.5	Pass
					3.85	-5.794	-0.0031	-2.5 to 2.5	Pass
					4.43	-4.048	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-6.881	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-4.835	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-4.177	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-5.178	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-5.221	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-4.964	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-4.635	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-4.349	-0.0023	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-3.462	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.247	-0.0017	-2.5 to 2.5	Pass
					4.43	-3.076	-0.0016	-2.5 to 2.5	Pass

				-30	3.85	-2.275	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.675	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-2.260	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-3.076	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-4.792	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-3.619	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-3.734	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-3.004	-0.0016	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	1.087	0.0006	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
					4.43	0.000	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.802	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.443	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.001	0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass

3.3 B2_5MHz

3.3.1 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	-1.059	-0.0006	-2.5 to 2.5	Pass
					3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.930	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-3.490	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-1.931	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.561	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-1.874	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	-4.020	-0.0021	-2.5 to 2.5	Pass
					3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
					4.43	-3.090	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-2.718	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-3.076	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.176	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-2.117	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.390	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-2.747	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-3.433	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-4.220	-0.0022	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	0.029	0.0000	-2.5 to 2.5	Pass
					3.85	0.415	0.0002	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.558	0.0003	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	-2.904	-0.0016	-2.5 to 2.5	Pass
					3.85	-2.918	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.718	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.516	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.861	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.648	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.505	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.819	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-1.831	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.103	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.505	-0.0019	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	-3.848	-0.0020	-2.5 to 2.5	Pass
					3.85	-4.077	-0.0022	-2.5 to 2.5	Pass
					4.43	-4.807	-0.0026	-2.5 to 2.5	Pass

				-30	3.85	-5.164	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-5.379	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-5.736	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-4.864	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-4.563	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-5.493	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-5.236	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-4.649	-0.0025	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	0.815	0.0004	-2.5 to 2.5	Pass
					4.43	0.529	0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.001	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.602	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.987	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0002	-2.5 to 2.5	Pass

3.4 B2_10MHz

3.4.1 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	-2.031	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
					4.43	-2.718	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-3.147	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.860	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-2.489	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-2.632	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.804	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.589	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.489	-0.0013	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	-4.220	-0.0022	-2.5 to 2.5	Pass
					3.85	-3.462	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.375	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-3.791	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.848	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.117	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.732	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.762	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-2.632	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.904	-0.0015	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	1.402	0.0007	-2.5 to 2.5	Pass
					3.85	0.658	0.0003	-2.5 to 2.5	Pass
					4.43	1.073	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.787	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.973	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				30	3.85	1.702	0.0009	-2.5 to 2.5	Pass
				40	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.772	0.0004	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	-2.203	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.987	-0.0005	-2.5 to 2.5	Pass
					4.43	-2.303	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.745	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.618	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.031	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.518	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.489	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.931	-0.0010	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	-4.792	-0.0025	-2.5 to 2.5	Pass
					3.85	-3.719	-0.0020	-2.5 to 2.5	Pass
					4.43	-4.120	-0.0022	-2.5 to 2.5	Pass

				-30	3.85	-3.262	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-3.676	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.605	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.276	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-4.120	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-4.263	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-3.319	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.918	-0.0016	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	0.272	0.0001	-2.5 to 2.5	Pass
					3.85	0.844	0.0004	-2.5 to 2.5	Pass
					4.43	1.688	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.787	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.416	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.687	0.0004	-2.5 to 2.5	Pass

3.5 B2_15MHz

3.5.1 Test Result

Band: 2 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.27	-5.751	-0.0031	-2.5 to 2.5	Pass
					3.85	-5.679	-0.0031	-2.5 to 2.5	Pass
					4.43	-4.492	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-5.279	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.579	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-6.208	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-5.751	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-5.994	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-5.035	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-4.807	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-5.050	-0.0027	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	-3.161	-0.0017	-2.5 to 2.5	Pass
					3.85	-3.877	-0.0021	-2.5 to 2.5	Pass
					4.43	-3.619	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-3.204	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-3.877	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-2.518	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.662	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-2.875	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.332	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.203	-0.0012	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	-3.719	-0.0020	-2.5 to 2.5	Pass
					3.85	-4.134	-0.0022	-2.5 to 2.5	Pass
					4.43	-3.862	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.977	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-4.492	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-3.734	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.204	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-4.320	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-3.934	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-3.319	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-4.921	-0.0026	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.27	-4.864	-0.0026	-2.5 to 2.5	Pass
					3.85	-4.506	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.851	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-5.708	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-5.207	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-5.107	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-4.735	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-6.180	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-5.078	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-5.493	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.520	-0.0024	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	-3.433	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0023	-2.5 to 2.5	Pass
					4.43	-4.807	-0.0026	-2.5 to 2.5	Pass

				-30	3.85	-3.076	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.462	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.376	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.176	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.131	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-3.133	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.435	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-2.661	-0.0014	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	-4.163	-0.0022	-2.5 to 2.5	Pass
					3.85	-4.091	-0.0022	-2.5 to 2.5	Pass
					4.43	-3.948	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.918	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.861	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.762	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.834	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.490	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-3.233	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.249	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-3.877	-0.0020	-2.5 to 2.5	Pass

3.6 B2_20MHz

3.6.1 Test Result

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	0.544	0.0003	-2.5 to 2.5	Pass
					3.85	0.701	0.0004	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.801	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.157	0.0001	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	-2.861	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.689	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.160	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.246	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.046	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.619	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-4.148	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-2.904	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.375	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-2.704	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-3.705	-0.0020	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	-2.103	-0.0011	-2.5 to 2.5	Pass
					3.85	-2.975	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-3.276	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-2.518	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.416	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.918	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.017	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.945	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.602	-0.0008	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.27	-0.386	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.130	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.215	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.615	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	-4.292	-0.0023	-2.5 to 2.5	Pass
					3.85	-3.262	-0.0017	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0018	-2.5 to 2.5	Pass

				-30	3.85	-3.963	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-4.492	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-2.904	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-4.234	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-4.592	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-3.047	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-3.276	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-3.991	-0.0021	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	-3.390	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.475	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.975	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.147	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-2.117	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.789	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-2.446	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-2.275	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.489	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-3.476	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.747	-0.0014	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B25_1.4MHz

4.1.1 Test Result

Band: 25 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.27	-2.947	-0.0016	-2.5 to 2.5	Pass
					3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.232	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.731	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.516	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-2.704	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.718	-0.0015	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	-2.158	-0.0011	-2.5 to 2.5	Pass
					3.85	-4.250	-0.0023	-2.5 to 2.5	Pass
					4.43	-3.621	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.088	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-3.674	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.085	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-3.246	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.648	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.160	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.499	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.087	-0.0016	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	0.009	0.0000	-2.5 to 2.5	Pass
					3.85	-0.478	-0.0003	-2.5 to 2.5	Pass
					4.43	0.764	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.048	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.383	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.671	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.818	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.091	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.161	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.804	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.026	0.0000	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	-1.631	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.189	-0.0012	-2.5 to 2.5	Pass
					4.43	-1.373	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.618	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-2.031	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.446	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.804	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-2.575	-0.0014	-2.5 to 2.5	Pass

	1880	6	0	20	3.27	-3.444	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.233	-0.0012	-2.5 to 2.5	Pass
					4.43	-3.121	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.373	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-3.478	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.939	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-3.020	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-3.426	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-3.477	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-4.160	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-4.401	-0.0023	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	-0.305	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.088	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.963	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.019	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.652	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.842	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.099	0.0001	-2.5 to 2.5	Pass
				30	3.85	1.128	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.573	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.141	0.0001	-2.5 to 2.5	Pass

4.2 B25_3MHz

4.2.1 Test Result

Band: 25 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.27	-2.604	-0.0014	-2.5 to 2.5	Pass
					3.85	-2.761	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.159	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-3.433	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.691	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.705	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.704	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.604	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.961	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-2.403	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.033	-0.0016	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-2.675	-0.0014	-2.5 to 2.5	Pass
					3.85	-3.307	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.585	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.221	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-3.339	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.944	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-3.708	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.393	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-4.011	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-3.141	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-4.794	-0.0025	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	-1.357	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.592	-0.0003	-2.5 to 2.5	Pass
					4.43	-1.312	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.603	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.474	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.162	-0.0001	-2.5 to 2.5	Pass
				0	3.85	1.257	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.770	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.739	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.998	0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.829	-0.0004	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.27	-2.804	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.933	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.904	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-2.117	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.046	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.618	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.761	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.661	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.875	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.518	-0.0014	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-2.460	-0.0013	-2.5 to 2.5	Pass
					3.85	-3.393	-0.0018	-2.5 to 2.5	Pass
					4.43	-4.013	-0.0021	-2.5 to 2.5	Pass

				-30	3.85	-2.154	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.415	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.951	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-4.151	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-2.910	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.926	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-4.872	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-3.319	-0.0018	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	0.204	0.0001	-2.5 to 2.5	Pass
					3.85	1.650	0.0009	-2.5 to 2.5	Pass
					4.43	1.125	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.921	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.531	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.647	0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.472	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.381	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.387	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.211	0.0001	-2.5 to 2.5	Pass

4.3 B25_5MHz

4.3.1 Test Result

Band: 25 / 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	-2.618	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.890	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-2.089	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.418	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.845	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-2.217	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-2.475	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	-2.635	-0.0014	-2.5 to 2.5	Pass
					3.85	-2.905	-0.0015	-2.5 to 2.5	Pass
					4.43	-3.281	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-3.640	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.908	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-3.751	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-4.281	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-2.884	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.511	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-3.069	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-4.742	-0.0025	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	1.088	0.0006	-2.5 to 2.5	Pass
					3.85	-0.094	0.0000	-2.5 to 2.5	Pass
					4.43	-0.794	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.506	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.084	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.160	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.682	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.606	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.128	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.310	0.0002	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	-0.443	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.345	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.217	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-1.316	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-2.604	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.717	-0.0009	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	-2.797	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.857	-0.0015	-2.5 to 2.5	Pass
					4.43	-2.615	-0.0014	-2.5 to 2.5	Pass

				-30	3.85	-3.584	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.981	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-4.112	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-2.244	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-3.998	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-3.829	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-2.052	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.565	-0.0019	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	-0.048	0.0000	-2.5 to 2.5	Pass
					3.85	-1.000	-0.0005	-2.5 to 2.5	Pass
					4.43	0.077	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.479	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.074	0.0000	-2.5 to 2.5	Pass
				0	3.85	1.696	0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.039	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.629	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.547	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.659	0.0003	-2.5 to 2.5	Pass

4.4 B25_10MHz

4.4.1 Test Result

Band: 25 / 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	-2.675	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
					4.43	-2.246	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.732	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-2.117	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.689	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.432	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.375	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-2.232	-0.0012	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	-3.988	-0.0021	-2.5 to 2.5	Pass
					3.85	-3.488	-0.0019	-2.5 to 2.5	Pass
					4.43	-2.696	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-4.138	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-4.519	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-1.572	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.836	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.317	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.682	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.819	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-2.334	-0.0012	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	0.048	0.0000	-2.5 to 2.5	Pass
					3.85	-1.237	-0.0006	-2.5 to 2.5	Pass
					4.43	0.652	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.775	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.961	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.784	0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.176	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.033	0.0000	-2.5 to 2.5	Pass
				30	3.85	2.085	0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.716	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.631	0.0003	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	-2.289	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.903	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-3.190	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-2.117	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.359	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.159	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.917	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	-3.326	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.326	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.477	-0.0018	-2.5 to 2.5	Pass

				-30	3.85	-4.221	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-3.354	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.245	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-3.875	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.148	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-4.388	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-4.321	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-2.678	-0.0014	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	0.763	0.0004	-2.5 to 2.5	Pass
					3.85	1.255	0.0007	-2.5 to 2.5	Pass
					4.43	0.566	0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.064	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.739	0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.565	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.739	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.776	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.569	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.211	0.0012	-2.5 to 2.5	Pass
				50	3.85	1.543	0.0008	-2.5 to 2.5	Pass

4.5 B25_15MHz

4.5.1 Test Result

Band: 25 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.27	-2.832	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.546	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.804	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.161	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-2.217	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.731	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.276	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-3.004	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-3.734	-0.0020	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	-4.314	-0.0023	-2.5 to 2.5	Pass
					3.85	-3.416	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.741	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.967	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-4.405	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-3.086	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-4.582	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-2.968	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-4.105	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.502	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-3.584	-0.0019	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	-4.575	-0.0024	-2.5 to 2.5	Pass
					3.85	-3.782	-0.0020	-2.5 to 2.5	Pass
					4.43	-5.110	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-2.354	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-4.432	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-4.019	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.403	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-3.869	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-5.612	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-4.336	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-4.137	-0.0022	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.27	-2.804	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.262	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.933	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.133	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-3.061	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.848	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.718	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-3.233	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.961	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-2.089	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.505	-0.0019	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	-3.361	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.123	-0.0022	-2.5 to 2.5	Pass
					4.43	-3.374	-0.0018	-2.5 to 2.5	Pass

				-30	3.85	-2.279	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-4.089	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-3.383	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.922	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.140	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.926	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-2.221	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-4.335	-0.0023	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	-2.802	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.119	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.269	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-4.336	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-4.729	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-3.556	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.769	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-2.714	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.458	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-4.140	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-4.458	-0.0023	-2.5 to 2.5	Pass

4.6 B25_20MHz

4.6.1 Test Result

Band: 25 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	0.000	0.0000	-2.5 to 2.5	Pass
					3.85	1.087	0.0006	-2.5 to 2.5	Pass
					4.43	0.286	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-4.106	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-4.435	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-4.005	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-4.148	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-2.375	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.518	-0.0014	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	-3.296	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.264	-0.0012	-2.5 to 2.5	Pass
					4.43	-4.023	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.249	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.636	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.987	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-3.521	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.388	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-3.967	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.917	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-3.802	-0.0020	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	-2.148	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.774	-0.0004	-2.5 to 2.5	Pass
					4.43	-2.884	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.484	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.318	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.979	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-3.403	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-3.970	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.746	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.463	-0.0018	-2.5 to 2.5	Pass
16QAM	1860	100	0	20	3.27	-3.390	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.576	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.147	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-5.279	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-3.705	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-4.120	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.465	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-4.005	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-4.277	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-4.234	-0.0023	-2.5 to 2.5	Pass
				50	3.85	1.059	0.0006	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	-2.957	-0.0016	-2.5 to 2.5	Pass
					3.85	-1.908	-0.0010	-2.5 to 2.5	Pass
					4.43	-3.566	-0.0019	-2.5 to 2.5	Pass

				-30	3.85	-2.360	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-3.368	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.569	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.535	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.670	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.470	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-4.357	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-3.670	-0.0020	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	-3.481	-0.0018	-2.5 to 2.5	Pass
					3.85	-1.939	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.865	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.552	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-2.366	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-3.243	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.315	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-2.142	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-4.240	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-2.968	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.734	-0.0020	-2.5 to 2.5	Pass

5. Frequency Stability

5.1 B26a_1.4MHz

5.1.1 Test Result

Band: 26a / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	814.7	6	0	20	3.27	0.758	0.0009	-2.5 to 2.5	Pass
					3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.615	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.415	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.772	0.0009	-2.5 to 2.5	Pass
	819	6	0	20	3.27	-1.917	-0.0023	-2.5 to 2.5	Pass
					3.85	-1.159	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.146	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-2.360	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.046	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.359	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-1.473	-0.0018	-2.5 to 2.5	Pass
	823.3	6	0	20	3.27	-0.787	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.072	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.259	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.486	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass
				10	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0004	-2.5 to 2.5	Pass
16QAM	814.7	6	0	20	3.27	-0.844	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.545	-0.0019	-2.5 to 2.5	Pass
					4.43	-1.030	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.359	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.030	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-0.887	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.302	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass

	819	6	0	20	3.27	-2.375	-0.0029	-2.5 to 2.5	Pass
					3.85	-1.688	-0.0021	-2.5 to 2.5	Pass
					4.43	-0.916	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.445	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.717	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-1.431	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
	823.3	6	0	20	3.27	-0.529	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.459	-0.0018	-2.5 to 2.5	Pass
					4.43	-0.372	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.330	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.545	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.259	-0.0015	-2.5 to 2.5	Pass

5.2 B26a_3MHz

5.2.1 Test Result

Band: 26a / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	815.5	15	0	20	3.27	-0.172	-0.0002	-2.5 to 2.5	Pass
					3.85	0.486	0.0006	-2.5 to 2.5	Pass
					4.43	-0.443	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.701	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
	819	15	0	20	3.27	-1.473	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.275	-0.0028	-2.5 to 2.5	Pass
					4.43	-1.559	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-1.602	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.232	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-2.375	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.287	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
	822.5	15	0	20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	0.329	0.0004	-2.5 to 2.5	Pass
					4.43	0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				0	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.215	0.0003	-2.5 to 2.5	Pass
16QAM	815.5	15	0	20	3.27	-0.114	-0.0001	-2.5 to 2.5	Pass
					3.85	0.029	0.0000	-2.5 to 2.5	Pass
					4.43	-0.958	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.144	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.059	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
	819	15	0	20	3.27	-0.286	-0.0003	-2.5 to 2.5	Pass
					3.85	-1.903	-0.0023	-2.5 to 2.5	Pass
					4.43	-2.217	-0.0027	-2.5 to 2.5	Pass

				-30	3.85	-1.559	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.203	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-1.931	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-1.802	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-1.359	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.031	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-1.774	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
	822.5	15	0	20	3.27	-0.815	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.601	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.114	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.787	-0.0010	-2.5 to 2.5	Pass

5.3 B26a_5MHz

5.3.1 Test Result

Band: 26a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	816.5	25	0	20	3.27	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.558	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.873	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.315	0.0004	-2.5 to 2.5	Pass
	819	25	0	20	3.27	-1.702	-0.0021	-2.5 to 2.5	Pass
					3.85	-1.874	-0.0023	-2.5 to 2.5	Pass
					4.43	-0.844	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-1.974	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-2.117	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.489	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-2.117	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-1.216	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-2.503	-0.0031	-2.5 to 2.5	Pass
	821.5	25	0	20	3.27	-0.629	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.572	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.030	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-1.531	-0.0019	-2.5 to 2.5	Pass
				30	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
16QAM	816.5	25	0	20	3.27	-0.515	-0.0006	-2.5 to 2.5	Pass
					3.85	0.329	0.0004	-2.5 to 2.5	Pass
					4.43	-0.215	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.329	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.801	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.200	0.0002	-2.5 to 2.5	Pass
	819	25	0	20	3.27	-1.302	-0.0016	-2.5 to 2.5	Pass
					3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0021	-2.5 to 2.5	Pass

				-30	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-1.960	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-1.388	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-2.031	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
	821.5	25	0	20	3.27	0.057	0.0001	-2.5 to 2.5	Pass
					3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.286	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass

5.4 B26a_10MHz

5.4.1 Test Result

Band: 26a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	819	50	0	20	3.27	-2.131	-0.0026	-2.5 to 2.5	Pass
					3.85	-3.090	-0.0038	-2.5 to 2.5	Pass
					4.43	-1.359	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-1.802	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.516	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.117	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-2.060	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
16QAM	819	50	0	20	3.27	-1.473	-0.0018	-2.5 to 2.5	Pass
					3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
					4.43	-0.801	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.887	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.001	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-1.531	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.359	-0.0017	-2.5 to 2.5	Pass

6. Frequency Stability

6.1 B26b_1.4MHz

6.1.1 Test Result

Band: 26b / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	-2.632	-0.0032	-2.5 to 2.5	Pass
					3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
					4.43	-1.974	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-1.860	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.359	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-1.545	-0.0019	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-2.160	-0.0026	-2.5 to 2.5	Pass
					3.85	-1.330	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.073	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.373	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.044	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.616	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.259	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-1.373	-0.0016	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	1.516	0.0018	-2.5 to 2.5	Pass
					3.85	0.844	0.0010	-2.5 to 2.5	Pass
					4.43	-0.815	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.958	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.687	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-2.089	-0.0025	-2.5 to 2.5	Pass
					3.85	-2.561	-0.0031	-2.5 to 2.5	Pass
					4.43	-2.146	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-1.616	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.702	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.375	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.817	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-1.388	-0.0017	-2.5 to 2.5	Pass

	836.5	6	0	20	3.27	-1.402	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.888	-0.0023	-2.5 to 2.5	Pass
					4.43	-0.873	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.373	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-0.858	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
					4.43	-1.101	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass

6.2 B26b_3MHz

6.2.1 Test Result

Band: 26b / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	-0.687	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.043	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.286	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.715	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.286	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-1.101	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
					4.43	-0.157	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.801	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-2.246	-0.0027	-2.5 to 2.5	Pass
					3.85	-1.431	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.003	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-1.817	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-1.473	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.144	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.287	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-1.302	-0.0015	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-0.243	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.472	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.216	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-0.315	-0.0004	-2.5 to 2.5	Pass
					3.85	0.372	0.0004	-2.5 to 2.5	Pass
					4.43	-1.731	-0.0021	-2.5 to 2.5	Pass

				-30	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.372	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.287	-0.0015	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0003	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-0.987	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.531	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.473	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.473	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-1.273	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-1.717	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.059	-0.0012	-2.5 to 2.5	Pass

6.3 B26b_5MHz

6.3.1 Test Result

Band: 26b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	-1.302	-0.0016	-2.5 to 2.5	Pass
					3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.958	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.360	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-2.332	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-1.459	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.774	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-1.330	-0.0016	-2.5 to 2.5	Pass
					3.85	-1.359	-0.0016	-2.5 to 2.5	Pass
					4.43	-0.501	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.372	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.887	-0.0011	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-1.459	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
					4.43	0.629	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.358	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-1.459	-0.0018	-2.5 to 2.5	Pass
					3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
					4.43	-2.217	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-2.117	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-1.216	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-1.645	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.287	-0.0016	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-1.144	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0003	-2.5 to 2.5	Pass

				-30	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.059	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				0	3.85	0.601	0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.601	-0.0007	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-0.458	-0.0005	-2.5 to 2.5	Pass
					3.85	0.029	0.0000	-2.5 to 2.5	Pass
					4.43	-1.574	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.731	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass

6.4 B26b_10MHz

6.4.1 Test Result

Band: 26b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	-0.601	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.372	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.001	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.815	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.760	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.958	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.601	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.059	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-1.101	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.144	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.887	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.801	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.330	-0.0016	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-0.515	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.658	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.459	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.873	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.302	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.730	-0.0009	-2.5 to 2.5	Pass
					3.85	0.072	0.0001	-2.5 to 2.5	Pass
					4.43	-0.901	-0.0011	-2.5 to 2.5	Pass

				-30	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.059	-0.0013	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	-1.044	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-0.372	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.359	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.273	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.544	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.473	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.373	-0.0016	-2.5 to 2.5	Pass
				50	3.85	0.129	0.0002	-2.5 to 2.5	Pass

7. Frequency Stability

7.1 B26c_15MHz

7.1.1 Test Result

Band: 26c / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	821.5	75	0	20	3.27	-1.245	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.202	-0.0015	-2.5 to 2.5	Pass
					4.43	-0.701	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.259	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.701	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.216	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.130	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
	831.5	75	0	20	3.27	0.644	0.0008	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.629	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.472	0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
	841.5	75	0	20	3.27	-2.289	-0.0027	-2.5 to 2.5	Pass
					3.85	-2.217	-0.0026	-2.5 to 2.5	Pass
					4.43	-2.332	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-1.731	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.731	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-1.631	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-1.616	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.888	-0.0022	-2.5 to 2.5	Pass
16QAM	821.5	75	0	20	3.27	-0.944	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.159	-0.0014	-2.5 to 2.5	Pass
					4.43	-0.458	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.958	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass

	831.5	75	0	20	3.27	-0.286	-0.0003	-2.5 to 2.5	Pass
					3.85	0.114	0.0001	-2.5 to 2.5	Pass
					4.43	-1.001	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.715	-0.0009	-2.5 to 2.5	Pass
	841.5	75	0	20	3.27	-3.018	-0.0036	-2.5 to 2.5	Pass
					3.85	-2.789	-0.0033	-2.5 to 2.5	Pass
					4.43	-2.089	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-2.146	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.074	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-2.360	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-3.147	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-1.459	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.446	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-2.232	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-2.875	-0.0034	-2.5 to 2.5	Pass

8. Frequency Stability

8.1 B38_5MHz

8.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.27	-0.072	0.0000	-2.5 to 2.5	Pass
					3.85	3.204	0.0012	-2.5 to 2.5	Pass
					4.43	1.731	0.0007	-2.5 to 2.5	Pass
				-30	3.85	4.635	0.0018	-2.5 to 2.5	Pass
				-20	3.85	0.486	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.572	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.930	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.486	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.645	-0.0006	-2.5 to 2.5	Pass
				40	3.85	3.333	0.0013	-2.5 to 2.5	Pass
				50	3.85	2.203	0.0009	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	4.864	0.0019	-2.5 to 2.5	Pass
					3.85	1.016	0.0004	-2.5 to 2.5	Pass
					4.43	3.247	0.0013	-2.5 to 2.5	Pass
				-30	3.85	-2.060	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.830	0.0003	-2.5 to 2.5	Pass
				-10	3.85	3.877	0.0015	-2.5 to 2.5	Pass
				0	3.85	3.648	0.0014	-2.5 to 2.5	Pass
				10	3.85	3.090	0.0012	-2.5 to 2.5	Pass
				30	3.85	2.561	0.0010	-2.5 to 2.5	Pass
				40	3.85	2.031	0.0008	-2.5 to 2.5	Pass
				50	3.85	5.651	0.0022	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	7.696	0.0029	-2.5 to 2.5	Pass
					3.85	6.652	0.0025	-2.5 to 2.5	Pass
					4.43	-1.173	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	6.051	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-1.774	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	3.190	0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.446	-0.0009	-2.5 to 2.5	Pass
				30	3.85	0.815	0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.445	-0.0006	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.85	0.486	0.0002	-2.5 to 2.5	Pass
					3.27	0.443	0.0002	-2.5 to 2.5	Pass
					4.43	-1.531	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.273	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.629	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.343	0.0001	-2.5 to 2.5	Pass
				50	3.85	3.362	0.0013	-2.5 to 2.5	Pass
				50	3.85	4.578	0.0018	-2.5 to 2.5	Pass

	2595	25	0	20	3.27	4.148	0.0016	-2.5 to 2.5	Pass
					3.85	4.449	0.0017	-2.5 to 2.5	Pass
					4.43	-0.730	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	5.035	0.0019	-2.5 to 2.5	Pass
				-20	3.85	-0.486	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.044	-0.0004	-2.5 to 2.5	Pass
				0	3.85	5.307	0.0020	-2.5 to 2.5	Pass
				10	3.85	3.376	0.0013	-2.5 to 2.5	Pass
				30	3.85	4.549	0.0018	-2.5 to 2.5	Pass
				40	3.85	2.661	0.0010	-2.5 to 2.5	Pass
				50	3.85	3.862	0.0015	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	4.735	0.0018	-2.5 to 2.5	Pass
					3.85	3.476	0.0013	-2.5 to 2.5	Pass
					4.43	1.559	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.901	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.916	-0.0003	-2.5 to 2.5	Pass
				0	3.85	2.332	0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.089	-0.0008	-2.5 to 2.5	Pass
				30	3.85	6.924	0.0026	-2.5 to 2.5	Pass
				40	3.85	2.189	0.0008	-2.5 to 2.5	Pass
				50	3.85	7.997	0.0031	-2.5 to 2.5	Pass

8.2 B38_10MHz

8.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	3.27	5.579	0.0022	-2.5 to 2.5	Pass
					3.85	6.008	0.0023	-2.5 to 2.5	Pass
					4.43	5.407	0.0021	-2.5 to 2.5	Pass
				-30	3.85	4.134	0.0016	-2.5 to 2.5	Pass
				-20	3.85	3.190	0.0012	-2.5 to 2.5	Pass
				-10	3.85	3.905	0.0015	-2.5 to 2.5	Pass
				0	3.85	2.074	0.0008	-2.5 to 2.5	Pass
				10	3.85	4.206	0.0016	-2.5 to 2.5	Pass
				30	3.85	4.363	0.0017	-2.5 to 2.5	Pass
				40	3.85	0.758	0.0003	-2.5 to 2.5	Pass
				50	3.85	3.133	0.0012	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	1.245	0.0005	-2.5 to 2.5	Pass
					3.85	5.722	0.0022	-2.5 to 2.5	Pass
					4.43	-2.947	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	3.633	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.216	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.930	0.0004	-2.5 to 2.5	Pass
				0	3.85	1.988	0.0008	-2.5 to 2.5	Pass
				10	3.85	7.310	0.0028	-2.5 to 2.5	Pass
				30	3.85	0.529	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				50	3.85	3.676	0.0014	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	7.596	0.0029	-2.5 to 2.5	Pass
					3.85	12.317	0.0047	-2.5 to 2.5	Pass
					4.43	8.569	0.0033	-2.5 to 2.5	Pass
				-30	3.85	9.484	0.0036	-2.5 to 2.5	Pass
				-20	3.85	6.666	0.0025	-2.5 to 2.5	Pass
				-10	3.85	9.999	0.0038	-2.5 to 2.5	Pass
				0	3.85	15.364	0.0059	-2.5 to 2.5	Pass
				10	3.85	8.454	0.0032	-2.5 to 2.5	Pass
				30	3.85	5.808	0.0022	-2.5 to 2.5	Pass
				40	3.85	12.975	0.0050	-2.5 to 2.5	Pass
				50	3.85	5.894	0.0023	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.27	8.955	0.0035	-2.5 to 2.5	Pass
					3.85	4.349	0.0017	-2.5 to 2.5	Pass
					4.43	7.167	0.0028	-2.5 to 2.5	Pass
				-30	3.85	7.067	0.0027	-2.5 to 2.5	Pass
				-20	3.85	2.389	0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.275	0.0009	-2.5 to 2.5	Pass
				0	3.85	9.069	0.0035	-2.5 to 2.5	Pass
				10	3.85	1.488	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.588	0.0006	-2.5 to 2.5	Pass
				40	3.85	5.579	0.0022	-2.5 to 2.5	Pass
				50	3.85	3.133	0.0012	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	4.578	0.0018	-2.5 to 2.5	Pass
					3.85	-0.386	-0.0001	-2.5 to 2.5	Pass
					4.43	0.186	0.0001	-2.5 to 2.5	Pass

				-30	3.85	-1.645	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	4.864	0.0019	-2.5 to 2.5	Pass
				-10	3.85	4.778	0.0018	-2.5 to 2.5	Pass
				0	3.85	1.602	0.0006	-2.5 to 2.5	Pass
				10	3.85	2.947	0.0011	-2.5 to 2.5	Pass
				30	3.85	4.392	0.0017	-2.5 to 2.5	Pass
				40	3.85	7.982	0.0031	-2.5 to 2.5	Pass
				50	3.85	4.134	0.0016	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	5.579	0.0021	-2.5 to 2.5	Pass
					3.85	13.146	0.0050	-2.5 to 2.5	Pass
					4.43	6.680	0.0026	-2.5 to 2.5	Pass
				-30	3.85	7.796	0.0030	-2.5 to 2.5	Pass
				-20	3.85	12.631	0.0048	-2.5 to 2.5	Pass
				-10	3.85	7.968	0.0030	-2.5 to 2.5	Pass
				0	3.85	5.622	0.0021	-2.5 to 2.5	Pass
				10	3.85	7.553	0.0029	-2.5 to 2.5	Pass
				30	3.85	11.859	0.0045	-2.5 to 2.5	Pass
				40	3.85	8.883	0.0034	-2.5 to 2.5	Pass
				50	3.85	7.682	0.0029	-2.5 to 2.5	Pass

8.3 B38_15MHz

8.3.1 Test Result

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	3.27	4.134	0.0016	-2.5 to 2.5	Pass
					3.85	6.566	0.0025	-2.5 to 2.5	Pass
					4.43	5.393	0.0021	-2.5 to 2.5	Pass
				-30	3.85	8.025	0.0031	-2.5 to 2.5	Pass
				-20	3.85	3.576	0.0014	-2.5 to 2.5	Pass
				-10	3.85	6.223	0.0024	-2.5 to 2.5	Pass
				0	3.85	2.775	0.0011	-2.5 to 2.5	Pass
				10	3.85	3.433	0.0013	-2.5 to 2.5	Pass
				30	3.85	3.161	0.0012	-2.5 to 2.5	Pass
				40	3.85	3.791	0.0015	-2.5 to 2.5	Pass
				50	3.85	8.111	0.0031	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	1.616	0.0006	-2.5 to 2.5	Pass
					3.85	-2.618	-0.0010	-2.5 to 2.5	Pass
					4.43	4.463	0.0017	-2.5 to 2.5	Pass
				-30	3.85	2.046	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	4.606	0.0018	-2.5 to 2.5	Pass
				0	3.85	2.174	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.760	0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.761	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				50	3.85	4.048	0.0016	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	6.437	0.0025	-2.5 to 2.5	Pass
					3.85	3.133	0.0012	-2.5 to 2.5	Pass
					4.43	4.177	0.0016	-2.5 to 2.5	Pass
				-30	3.85	1.416	0.0005	-2.5 to 2.5	Pass
				-20	3.85	10.371	0.0040	-2.5 to 2.5	Pass
				-10	3.85	8.211	0.0031	-2.5 to 2.5	Pass
				0	3.85	3.362	0.0013	-2.5 to 2.5	Pass
				10	3.85	10.014	0.0038	-2.5 to 2.5	Pass
				30	3.85	2.360	0.0009	-2.5 to 2.5	Pass
				40	3.85	1.774	0.0007	-2.5 to 2.5	Pass
				50	3.85	9.742	0.0037	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.27	2.503	0.0010	-2.5 to 2.5	Pass
					3.85	9.141	0.0035	-2.5 to 2.5	Pass
					4.43	0.987	0.0004	-2.5 to 2.5	Pass
				-30	3.85	7.925	0.0031	-2.5 to 2.5	Pass
				-20	3.85	1.101	0.0004	-2.5 to 2.5	Pass
				-10	3.85	7.482	0.0029	-2.5 to 2.5	Pass
				0	3.85	1.702	0.0007	-2.5 to 2.5	Pass
				10	3.85	9.656	0.0037	-2.5 to 2.5	Pass
				30	3.85	7.896	0.0031	-2.5 to 2.5	Pass
				40	3.85	6.394	0.0025	-2.5 to 2.5	Pass
				50	3.85	10.872	0.0042	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-0.987	-0.0004	-2.5 to 2.5	Pass
					3.85	3.476	0.0013	-2.5 to 2.5	Pass
					4.43	5.765	0.0022	-2.5 to 2.5	Pass

				-30	3.85	4.048	0.0016	-2.5 to 2.5	Pass
				-20	3.85	0.572	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.758	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.359	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.544	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.845	0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.632	-0.0010	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	4.749	0.0018	-2.5 to 2.5	Pass
					3.85	1.545	0.0006	-2.5 to 2.5	Pass
					4.43	10.443	0.0040	-2.5 to 2.5	Pass
				-30	3.85	10.486	0.0040	-2.5 to 2.5	Pass
				-20	3.85	10.486	0.0040	-2.5 to 2.5	Pass
				-10	3.85	8.526	0.0033	-2.5 to 2.5	Pass
				0	3.85	4.320	0.0017	-2.5 to 2.5	Pass
				10	3.85	5.436	0.0021	-2.5 to 2.5	Pass
				30	3.85	9.398	0.0036	-2.5 to 2.5	Pass
				40	3.85	7.768	0.0030	-2.5 to 2.5	Pass
				50	3.85	3.133	0.0012	-2.5 to 2.5	Pass

8.4 B38_20MHz

8.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.27	2.704	0.0010	-2.5 to 2.5	Pass
					3.85	2.804	0.0011	-2.5 to 2.5	Pass
					4.43	-0.515	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-2.232	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.944	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.416	-0.0005	-2.5 to 2.5	Pass
				10	3.85	1.431	0.0006	-2.5 to 2.5	Pass
				30	3.85	-4.449	-0.0017	-2.5 to 2.5	Pass
				40	3.85	1.030	0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.646	-0.0010	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-1.488	-0.0006	-2.5 to 2.5	Pass
					3.85	2.818	0.0011	-2.5 to 2.5	Pass
					4.43	-2.146	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-2.389	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.445	-0.0006	-2.5 to 2.5	Pass
				0	3.85	1.545	0.0006	-2.5 to 2.5	Pass
				10	3.85	-2.761	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
				40	3.85	2.017	0.0008	-2.5 to 2.5	Pass
				50	3.85	-5.121	-0.0020	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	4.549	0.0017	-2.5 to 2.5	Pass
					3.85	4.191	0.0016	-2.5 to 2.5	Pass
					4.43	6.666	0.0026	-2.5 to 2.5	Pass
				-30	3.85	1.974	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	6.580	0.0025	-2.5 to 2.5	Pass
				0	3.85	8.125	0.0031	-2.5 to 2.5	Pass
				10	3.85	-0.901	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.588	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.672	-0.0003	-2.5 to 2.5	Pass
				50	3.85	1.202	0.0005	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.27	2.947	0.0011	-2.5 to 2.5	Pass
					3.85	3.977	0.0015	-2.5 to 2.5	Pass
					4.43	-3.591	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.490	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	2.832	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
				0	3.85	2.003	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.988	0.0008	-2.5 to 2.5	Pass
				30	3.85	-3.004	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-3.920	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-1.531	-0.0006	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	3.691	0.0014	-2.5 to 2.5	Pass
					3.85	1.831	0.0007	-2.5 to 2.5	Pass
					4.43	-4.306	-0.0017	-2.5 to 2.5	Pass

				-30	3.85	1.802	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.947	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.731	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.618	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.330	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-4.005	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.386	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	6.595	0.0025	-2.5 to 2.5	Pass
					3.85	9.155	0.0035	-2.5 to 2.5	Pass
					4.43	-0.329	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	8.039	0.0031	-2.5 to 2.5	Pass
				-20	3.85	1.974	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.887	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.973	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.930	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.286	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.202	-0.0005	-2.5 to 2.5	Pass

9. Frequency Stability

9.1 B4_1.4MHz

9.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	2.174	0.0013	-2.5 to 2.5	Pass
					3.85	1.788	0.0010	-2.5 to 2.5	Pass
					4.43	2.146	0.0013	-2.5 to 2.5	Pass
				-30	3.85	2.575	0.0015	-2.5 to 2.5	Pass
				-20	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				0	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				10	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				30	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				40	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				50	3.85	2.904	0.0017	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	0.529	0.0003	-2.5 to 2.5	Pass
					3.85	0.272	0.0002	-2.5 to 2.5	Pass
					4.43	0.572	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.974	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				40	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				50	3.85	1.545	0.0009	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-2.275	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.718	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-2.189	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.017	-0.0011	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	1.931	0.0011	-2.5 to 2.5	Pass
					3.85	2.246	0.0013	-2.5 to 2.5	Pass
					4.43	2.475	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				-20	3.85	2.890	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.831	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.831	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.832	0.0017	-2.5 to 2.5	Pass
				40	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				50	3.85	1.316	0.0008	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	-0.658	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
					4.43	0.143	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.029	0.0000	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-2.275	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.875	-0.0016	-2.5 to 2.5	Pass
					4.43	-3.104	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.875	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass

9.2 B4_3MHz

9.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	0.143	0.0001	-2.5 to 2.5	Pass
					3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
					4.43	0.701	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				30	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				40	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.930	0.0005	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-0.186	-0.0001	-2.5 to 2.5	Pass
					3.85	0.687	0.0004	-2.5 to 2.5	Pass
					4.43	0.944	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	0.529	0.0003	-2.5 to 2.5	Pass
					3.85	1.116	0.0006	-2.5 to 2.5	Pass
					4.43	1.230	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.659	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				10	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.701	0.0004	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	1.717	0.0010	-2.5 to 2.5	Pass
					3.85	0.329	0.0002	-2.5 to 2.5	Pass
					4.43	-0.286	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.316	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.043	0.0000	-2.5 to 2.5	Pass
					3.85	0.200	0.0001	-2.5 to 2.5	Pass
					4.43	0.687	0.0004	-2.5 to 2.5	Pass

				-30	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.958	0.0006	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-1.030	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
					4.43	0.143	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.644	0.0004	-2.5 to 2.5	Pass

9.3 B4_5MHz

9.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	1.159	0.0007	-2.5 to 2.5	Pass
					3.85	2.174	0.0013	-2.5 to 2.5	Pass
					4.43	1.502	0.0009	-2.5 to 2.5	Pass
				-30	3.85	2.661	0.0016	-2.5 to 2.5	Pass
				-20	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.346	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				10	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.631	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.101	0.0006	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.014	0.0000	-2.5 to 2.5	Pass
					3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
					4.43	1.073	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.100	0.0001	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-4.320	-0.0025	-2.5 to 2.5	Pass
					3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.433	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.762	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-3.691	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	1.359	0.0008	-2.5 to 2.5	Pass
					3.85	1.817	0.0011	-2.5 to 2.5	Pass
					4.43	1.516	0.0009	-2.5 to 2.5	Pass
				-30	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				-20	3.85	1.702	0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				0	3.85	2.089	0.0012	-2.5 to 2.5	Pass
				10	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.346	0.0014	-2.5 to 2.5	Pass
				40	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				50	3.85	1.845	0.0011	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.315	0.0002	-2.5 to 2.5	Pass
					3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
					4.43	0.572	0.0003	-2.5 to 2.5	Pass

				-30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-1.745	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.890	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass

9.4 B4_10MHz

9.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-3.419	-0.0020	-2.5 to 2.5	Pass
					3.85	-2.503	-0.0015	-2.5 to 2.5	Pass
					4.43	-2.704	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	1.502	0.0009	-2.5 to 2.5	Pass
					3.85	0.186	0.0001	-2.5 to 2.5	Pass
					4.43	2.031	0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.260	0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.787	0.0005	-2.5 to 2.5	Pass
				50	3.85	1.845	0.0011	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	2.217	0.0013	-2.5 to 2.5	Pass
					3.85	1.516	0.0009	-2.5 to 2.5	Pass
					4.43	1.473	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.473	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.289	0.0013	-2.5 to 2.5	Pass
				40	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.287	0.0007	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-3.133	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.789	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	0.701	0.0004	-2.5 to 2.5	Pass
					3.85	0.973	0.0006	-2.5 to 2.5	Pass
					4.43	-0.100	-0.0001	-2.5 to 2.5	Pass

				-30	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.744	0.0004	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	0.329	0.0002	-2.5 to 2.5	Pass
					3.85	2.217	0.0013	-2.5 to 2.5	Pass
					4.43	3.262	0.0019	-2.5 to 2.5	Pass
				-30	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				-10	3.85	1.302	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				30	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				40	3.85	2.089	0.0012	-2.5 to 2.5	Pass
				50	3.85	1.788	0.0010	-2.5 to 2.5	Pass

9.5 B4_15MHz

9.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	0.343	0.0002	-2.5 to 2.5	Pass
					3.85	0.730	0.0004	-2.5 to 2.5	Pass
					4.43	1.173	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.858	0.0005	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-0.229	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
					4.43	0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				50	3.85	1.087	0.0006	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-0.715	-0.0004	-2.5 to 2.5	Pass
					3.85	0.172	0.0001	-2.5 to 2.5	Pass
					4.43	1.116	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.787	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-0.086	-0.0001	-2.5 to 2.5	Pass
					3.85	0.844	0.0005	-2.5 to 2.5	Pass
					4.43	0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	0.916	0.0005	-2.5 to 2.5	Pass
					3.85	0.086	0.0000	-2.5 to 2.5	Pass
					4.43	1.216	0.0007	-2.5 to 2.5	Pass

				-30	3.85	0.300	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-0.043	0.0000	-2.5 to 2.5	Pass
					3.85	0.701	0.0004	-2.5 to 2.5	Pass
					4.43	-0.143	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass

9.6 B4_20MHz

9.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	1.674	0.0010	-2.5 to 2.5	Pass
					3.85	1.674	0.0010	-2.5 to 2.5	Pass
					4.43	1.116	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.731	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				40	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				50	3.85	0.801	0.0005	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	0.501	0.0003	-2.5 to 2.5	Pass
					3.85	0.801	0.0005	-2.5 to 2.5	Pass
					4.43	1.173	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				-10	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.916	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				50	3.85	1.402	0.0008	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-1.516	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.031	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	2.203	0.0013	-2.5 to 2.5	Pass
					3.85	0.916	0.0005	-2.5 to 2.5	Pass
					4.43	0.529	0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				-10	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				40	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				50	3.85	2.704	0.0016	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	0.029	0.0000	-2.5 to 2.5	Pass
					4.43	-0.386	-0.0002	-2.5 to 2.5	Pass

				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.744	0.0004	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-1.931	-0.0011	-2.5 to 2.5	Pass
					3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.432	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-3.390	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass

10. Frequency Stability

10.1 B41_5MHz

10.1.1 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	2537.5	25	0	20	3.27	5.164	0.0020	-2.5 to 2.5	Pass
					3.85	4.034	0.0016	-2.5 to 2.5	Pass
					4.43	1.459	0.0006	-2.5 to 2.5	Pass
				-30	3.85	4.992	0.0020	-2.5 to 2.5	Pass
				-20	3.85	5.608	0.0022	-2.5 to 2.5	Pass
				-10	3.85	5.379	0.0021	-2.5 to 2.5	Pass
				0	3.85	4.363	0.0017	-2.5 to 2.5	Pass
				10	3.85	5.479	0.0022	-2.5 to 2.5	Pass
				30	3.85	6.137	0.0024	-2.5 to 2.5	Pass
				40	3.85	7.739	0.0030	-2.5 to 2.5	Pass
				50	3.85	5.808	0.0023	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	0.515	0.0002	-2.5 to 2.5	Pass
					3.85	2.689	0.0010	-2.5 to 2.5	Pass
					4.43	-2.217	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.587	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-4.978	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.189	-0.0008	-2.5 to 2.5	Pass
				0	3.85	3.691	0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.161	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.345	-0.0005	-2.5 to 2.5	Pass
				40	3.85	0.830	0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.375	-0.0009	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	8.440	0.0032	-2.5 to 2.5	Pass
					3.85	13.833	0.0052	-2.5 to 2.5	Pass
					4.43	5.980	0.0023	-2.5 to 2.5	Pass
				-30	3.85	9.642	0.0036	-2.5 to 2.5	Pass
				-20	3.85	5.636	0.0021	-2.5 to 2.5	Pass
				-10	3.85	4.807	0.0018	-2.5 to 2.5	Pass
				0	3.85	9.913	0.0037	-2.5 to 2.5	Pass
				10	3.85	12.603	0.0048	-2.5 to 2.5	Pass
				30	3.85	6.909	0.0026	-2.5 to 2.5	Pass
				40	3.85	11.988	0.0045	-2.5 to 2.5	Pass
				50	3.85	11.973	0.0045	-2.5 to 2.5	Pass
16QAM	2537.5	25	0	20	3.27	1.187	0.0005	-2.5 to 2.5	Pass
					3.85	7.067	0.0028	-2.5 to 2.5	Pass
					4.43	2.332	0.0009	-2.5 to 2.5	Pass
				-30	3.85	4.678	0.0018	-2.5 to 2.5	Pass
				-20	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.944	0.0004	-2.5 to 2.5	Pass
				0	3.85	3.977	0.0016	-2.5 to 2.5	Pass
				10	3.85	5.164	0.0020	-2.5 to 2.5	Pass
				30	3.85	6.437	0.0025	-2.5 to 2.5	Pass
				40	3.85	6.509	0.0026	-2.5 to 2.5	Pass
				50	3.85	1.473	0.0006	-2.5 to 2.5	Pass

	2595	25	0	20	3.27	-2.232	-0.0009	-2.5 to 2.5	Pass
					3.85	2.904	0.0011	-2.5 to 2.5	Pass
					4.43	3.619	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.815	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-4.606	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-4.277	-0.0016	-2.5 to 2.5	Pass
				10	3.85	5.093	0.0020	-2.5 to 2.5	Pass
				30	3.85	6.480	0.0025	-2.5 to 2.5	Pass
				40	3.85	1.488	0.0006	-2.5 to 2.5	Pass
				50	3.85	3.119	0.0012	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	10.285	0.0039	-2.5 to 2.5	Pass
					3.85	14.091	0.0053	-2.5 to 2.5	Pass
					4.43	14.491	0.0055	-2.5 to 2.5	Pass
				-30	3.85	12.617	0.0048	-2.5 to 2.5	Pass
				-20	3.85	15.764	0.0059	-2.5 to 2.5	Pass
				-10	3.85	11.187	0.0042	-2.5 to 2.5	Pass
				0	3.85	13.332	0.0050	-2.5 to 2.5	Pass
				10	3.85	7.710	0.0029	-2.5 to 2.5	Pass
				30	3.85	2.646	0.0010	-2.5 to 2.5	Pass
				40	3.85	7.854	0.0030	-2.5 to 2.5	Pass
				50	3.85	7.124	0.0027	-2.5 to 2.5	Pass

10.2 B41_10MHz

10.2.1 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	2540	50	0	20	3.27	7.439	0.0029	-2.5 to 2.5	Pass
					3.85	8.569	0.0034	-2.5 to 2.5	Pass
					4.43	6.323	0.0025	-2.5 to 2.5	Pass
				-30	3.85	7.968	0.0031	-2.5 to 2.5	Pass
				-20	3.85	7.982	0.0031	-2.5 to 2.5	Pass
				-10	3.85	6.437	0.0025	-2.5 to 2.5	Pass
				0	3.85	4.764	0.0019	-2.5 to 2.5	Pass
				10	3.85	7.296	0.0029	-2.5 to 2.5	Pass
				30	3.85	4.077	0.0016	-2.5 to 2.5	Pass
				40	3.85	5.322	0.0021	-2.5 to 2.5	Pass
				50	3.85	6.294	0.0025	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	6.180	0.0024	-2.5 to 2.5	Pass
					3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.545	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.159	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				-10	3.85	4.077	0.0016	-2.5 to 2.5	Pass
				0	3.85	3.176	0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.316	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				50	3.85	2.460	0.0009	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	2.160	0.0008	-2.5 to 2.5	Pass
					3.85	8.154	0.0031	-2.5 to 2.5	Pass
					4.43	7.167	0.0027	-2.5 to 2.5	Pass
				-30	3.85	9.270	0.0035	-2.5 to 2.5	Pass
				-20	3.85	11.001	0.0042	-2.5 to 2.5	Pass
				-10	3.85	0.844	0.0003	-2.5 to 2.5	Pass
				0	3.85	9.928	0.0037	-2.5 to 2.5	Pass
				10	3.85	-0.672	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				40	3.85	2.160	0.0008	-2.5 to 2.5	Pass
				50	3.85	9.198	0.0035	-2.5 to 2.5	Pass
16QAM	2540	50	0	20	3.27	7.224	0.0028	-2.5 to 2.5	Pass
					3.85	8.426	0.0033	-2.5 to 2.5	Pass
					4.43	6.752	0.0027	-2.5 to 2.5	Pass
				-30	3.85	7.968	0.0031	-2.5 to 2.5	Pass
				-20	3.85	7.896	0.0031	-2.5 to 2.5	Pass
				-10	3.85	3.290	0.0013	-2.5 to 2.5	Pass
				0	3.85	7.138	0.0028	-2.5 to 2.5	Pass
				10	3.85	7.839	0.0031	-2.5 to 2.5	Pass
				30	3.85	7.067	0.0028	-2.5 to 2.5	Pass
				40	3.85	7.567	0.0030	-2.5 to 2.5	Pass
				50	3.85	5.121	0.0020	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	4.649	0.0018	-2.5 to 2.5	Pass
					3.85	-0.887	-0.0003	-2.5 to 2.5	Pass
					4.43	3.247	0.0013	-2.5 to 2.5	Pass

				-30	3.85	-2.232	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.944	0.0004	-2.5 to 2.5	Pass
				-10	3.85	4.535	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.659	0.0006	-2.5 to 2.5	Pass
				10	3.85	5.336	0.0021	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.130	-0.0004	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	1.373	0.0005	-2.5 to 2.5	Pass
					3.85	1.073	0.0004	-2.5 to 2.5	Pass
					4.43	1.616	0.0006	-2.5 to 2.5	Pass
				-30	3.85	8.984	0.0034	-2.5 to 2.5	Pass
				-20	3.85	2.561	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.888	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.302	0.0005	-2.5 to 2.5	Pass
				10	3.85	3.161	0.0012	-2.5 to 2.5	Pass
				30	3.85	3.176	0.0012	-2.5 to 2.5	Pass
				40	3.85	11.473	0.0043	-2.5 to 2.5	Pass
				50	3.85	2.146	0.0008	-2.5 to 2.5	Pass

10.3 B41_15MHz

10.3.1 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	2542.5	75	0	20	3.27	-0.315	-0.0001	-2.5 to 2.5	Pass
					3.85	2.003	0.0008	-2.5 to 2.5	Pass
					4.43	0.629	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.300	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.844	0.0003	-2.5 to 2.5	Pass
				0	3.85	-3.419	-0.0013	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.731	-0.0007	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-0.358	-0.0001	-2.5 to 2.5	Pass
					3.85	-2.189	-0.0008	-2.5 to 2.5	Pass
					4.43	3.448	0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.230	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.903	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.987	0.0004	-2.5 to 2.5	Pass
				0	3.85	-2.604	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-2.975	-0.0011	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0008	-2.5 to 2.5	Pass
				40	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.117	-0.0008	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	7.267	0.0027	-2.5 to 2.5	Pass
					3.85	-0.043	0.0000	-2.5 to 2.5	Pass
					4.43	-0.172	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	10.300	0.0039	-2.5 to 2.5	Pass
				-20	3.85	9.885	0.0037	-2.5 to 2.5	Pass
				-10	3.85	0.343	0.0001	-2.5 to 2.5	Pass
				0	3.85	7.353	0.0028	-2.5 to 2.5	Pass
				10	3.85	-1.774	-0.0007	-2.5 to 2.5	Pass
				30	3.85	7.467	0.0028	-2.5 to 2.5	Pass
				40	3.85	0.672	0.0003	-2.5 to 2.5	Pass
				50	3.85	7.753	0.0029	-2.5 to 2.5	Pass
16QAM	2542.5	75	0	20	3.27	1.230	0.0005	-2.5 to 2.5	Pass
					3.85	1.159	0.0005	-2.5 to 2.5	Pass
					4.43	1.016	0.0004	-2.5 to 2.5	Pass
				-30	3.85	3.676	0.0014	-2.5 to 2.5	Pass
				-20	3.85	1.473	0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.275	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.418	0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.101	-0.0004	-2.5 to 2.5	Pass
				30	3.85	1.917	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.931	0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.772	-0.0003	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-0.043	0.0000	-2.5 to 2.5	Pass
					3.85	1.860	0.0007	-2.5 to 2.5	Pass
					4.43	-2.661	-0.0010	-2.5 to 2.5	Pass

				-30	3.85	2.661	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	4.005	0.0015	-2.5 to 2.5	Pass
				0	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				10	3.85	1.016	0.0004	-2.5 to 2.5	Pass
				30	3.85	-2.089	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.173	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	-2.031	-0.0008	-2.5 to 2.5	Pass
					3.85	7.210	0.0027	-2.5 to 2.5	Pass
					4.43	9.613	0.0036	-2.5 to 2.5	Pass
				-30	3.85	6.065	0.0023	-2.5 to 2.5	Pass
				-20	3.85	3.018	0.0011	-2.5 to 2.5	Pass
				-10	3.85	8.869	0.0033	-2.5 to 2.5	Pass
				0	3.85	7.682	0.0029	-2.5 to 2.5	Pass
				10	3.85	5.665	0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.289	-0.0009	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0004	-2.5 to 2.5	Pass
				50	3.85	7.024	0.0027	-2.5 to 2.5	Pass

10.4 B41_20MHz

10.4.1 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	2545	100	0	20	3.27	4.106	0.0016	-2.5 to 2.5	Pass
					3.85	5.851	0.0023	-2.5 to 2.5	Pass
					4.43	2.303	0.0009	-2.5 to 2.5	Pass
				-30	3.85	7.210	0.0028	-2.5 to 2.5	Pass
				-20	3.85	3.419	0.0013	-2.5 to 2.5	Pass
				-10	3.85	6.166	0.0024	-2.5 to 2.5	Pass
				0	3.85	3.920	0.0015	-2.5 to 2.5	Pass
				10	3.85	3.905	0.0015	-2.5 to 2.5	Pass
				30	3.85	2.689	0.0011	-2.5 to 2.5	Pass
				40	3.85	5.178	0.0020	-2.5 to 2.5	Pass
				50	3.85	4.663	0.0018	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-3.290	-0.0013	-2.5 to 2.5	Pass
					3.85	-4.578	-0.0018	-2.5 to 2.5	Pass
					4.43	3.061	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.289	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-2.904	-0.0011	-2.5 to 2.5	Pass
				0	3.85	2.317	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.403	0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.702	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-3.104	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.317	-0.0009	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	4.849	0.0018	-2.5 to 2.5	Pass
					3.85	3.419	0.0013	-2.5 to 2.5	Pass
					4.43	4.163	0.0016	-2.5 to 2.5	Pass
				-30	3.85	3.719	0.0014	-2.5 to 2.5	Pass
				-20	3.85	12.388	0.0047	-2.5 to 2.5	Pass
				-10	3.85	11.258	0.0043	-2.5 to 2.5	Pass
				0	3.85	6.180	0.0023	-2.5 to 2.5	Pass
				10	3.85	1.273	0.0005	-2.5 to 2.5	Pass
				30	3.85	16.251	0.0061	-2.5 to 2.5	Pass
				40	3.85	3.018	0.0011	-2.5 to 2.5	Pass
				50	3.85	13.704	0.0052	-2.5 to 2.5	Pass
16QAM	2545	100	0	20	3.27	3.133	0.0012	-2.5 to 2.5	Pass
					3.85	4.034	0.0016	-2.5 to 2.5	Pass
					4.43	1.917	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.659	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.802	0.0007	-2.5 to 2.5	Pass
				-10	3.85	4.663	0.0018	-2.5 to 2.5	Pass
				0	3.85	2.432	0.0010	-2.5 to 2.5	Pass
				10	3.85	5.779	0.0023	-2.5 to 2.5	Pass
				30	3.85	6.251	0.0025	-2.5 to 2.5	Pass
				40	3.85	7.539	0.0030	-2.5 to 2.5	Pass
				50	3.85	5.393	0.0021	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	2.275	0.0009	-2.5 to 2.5	Pass
					3.85	6.051	0.0023	-2.5 to 2.5	Pass
					4.43	-1.259	-0.0005	-2.5 to 2.5	Pass

				-30	3.85	1.516	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.587	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0012	-2.5 to 2.5	Pass
				0	3.85	3.061	0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.801	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.645	-0.0006	-2.5 to 2.5	Pass
				40	3.85	3.061	0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.129	0.0000	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	14.734	0.0056	-2.5 to 2.5	Pass
					3.85	13.676	0.0052	-2.5 to 2.5	Pass
					4.43	2.017	0.0008	-2.5 to 2.5	Pass
				-30	3.85	12.231	0.0046	-2.5 to 2.5	Pass
				-20	3.85	13.175	0.0050	-2.5 to 2.5	Pass
				-10	3.85	5.364	0.0020	-2.5 to 2.5	Pass
				0	3.85	4.005	0.0015	-2.5 to 2.5	Pass
				10	3.85	4.663	0.0018	-2.5 to 2.5	Pass
				30	3.85	14.834	0.0056	-2.5 to 2.5	Pass
				40	3.85	3.591	0.0014	-2.5 to 2.5	Pass
				50	3.85	13.461	0.0051	-2.5 to 2.5	Pass

11. Frequency Stability

11.1 B5_1.4MHz

11.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	-1.860	-0.0023	-2.5 to 2.5	Pass
					3.85	-3.247	-0.0039	-2.5 to 2.5	Pass
					4.43	-1.931	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	0.758	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.130	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.903	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-1.388	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.445	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-1.817	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	0.143	0.0002	-2.5 to 2.5	Pass
					3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.429	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.044	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.302	-0.0016	-2.5 to 2.5	Pass
				30	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-0.443	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
					4.43	0.701	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.458	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.501	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.186	0.0002	-2.5 to 2.5	Pass
				30	3.85	1.087	0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.801	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-1.416	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
					4.43	-0.801	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.074	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.459	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.373	-0.0017	-2.5 to 2.5	Pass

	836.5	6	0	20	3.27	0.143	0.0002	-2.5 to 2.5	Pass
					3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.701	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.358	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.715	0.0009	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	0.057	0.0001	-2.5 to 2.5	Pass
					4.43	0.343	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.672	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.715	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass

11.2 B5_3MHz

11.2.1 Test Result

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	-0.873	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.172	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.615	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.073	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.401	0.0005	-2.5 to 2.5	Pass
				10	3.85	2.418	0.0029	-2.5 to 2.5	Pass
				30	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.116	0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-0.529	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.473	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.801	-0.0010	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-0.701	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
					4.43	-0.687	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.631	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-1.760	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-0.973	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.300	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	0.601	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.401	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.858	0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.615	0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.574	-0.0019	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	0.243	0.0003	-2.5 to 2.5	Pass
					3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.087	-0.0013	-2.5 to 2.5	Pass

				-30	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.787	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.216	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.001	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.114	0.0001	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-1.388	-0.0016	-2.5 to 2.5	Pass
					3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.130	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.559	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.330	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.688	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-1.559	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-1.044	-0.0012	-2.5 to 2.5	Pass

11.3 B5_5MHz

11.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	-1.016	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.130	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-1.431	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.130	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.257	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.973	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.602	-0.0019	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-0.501	-0.0006	-2.5 to 2.5	Pass
					3.85	0.572	0.0007	-2.5 to 2.5	Pass
					4.43	1.273	0.0015	-2.5 to 2.5	Pass
				-30	3.85	0.758	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.501	0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-2.103	-0.0025	-2.5 to 2.5	Pass
					3.85	-1.717	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.945	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-1.974	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-0.801	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.717	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.131	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-0.958	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.057	-0.0001	-2.5 to 2.5	Pass
					3.85	0.114	0.0001	-2.5 to 2.5	Pass
					4.43	-0.930	-0.0011	-2.5 to 2.5	Pass

				-30	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	0.186	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.774	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.000	0.0000	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-0.558	-0.0007	-2.5 to 2.5	Pass
					3.85	0.086	0.0001	-2.5 to 2.5	Pass
					4.43	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	3.85	1.044	0.0012	-2.5 to 2.5	Pass
				40	3.85	0.443	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.300	0.0004	-2.5 to 2.5	Pass

11.4 B5_10MHz

11.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	-1.516	-0.0018	-2.5 to 2.5	Pass
					3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.701	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.887	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.200	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.330	-0.0016	-2.5 to 2.5	Pass
					4.43	-0.987	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.545	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.159	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.860	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-0.873	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
					4.43	-0.901	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.544	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.531	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-0.715	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.730	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.373	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.574	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.001	-0.0012	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.129	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.515	-0.0006	-2.5 to 2.5	Pass

				-30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.130	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-0.744	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
					4.43	-0.129	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass

12. Frequency Stability

12.1 B7_5MHz

12.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	2.561	0.0010	-2.5 to 2.5	Pass
					3.85	1.230	0.0005	-2.5 to 2.5	Pass
					4.43	0.901	0.0004	-2.5 to 2.5	Pass
				-30	3.85	2.246	0.0009	-2.5 to 2.5	Pass
				-20	3.85	3.076	0.0012	-2.5 to 2.5	Pass
				-10	3.85	3.061	0.0012	-2.5 to 2.5	Pass
				0	3.85	3.190	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.003	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.501	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.259	0.0005	-2.5 to 2.5	Pass
				50	3.85	1.245	0.0005	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-1.588	-0.0006	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
					4.43	-2.017	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.845	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.691	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-4.749	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.676	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-0.644	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.402	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-3.233	-0.0013	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	0.100	0.0000	-2.5 to 2.5	Pass
					3.85	1.159	0.0005	-2.5 to 2.5	Pass
					4.43	1.073	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.715	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.702	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.629	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.515	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.587	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.659	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.129	0.0001	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	1.917	0.0008	-2.5 to 2.5	Pass
					3.85	0.372	0.0001	-2.5 to 2.5	Pass
					4.43	2.232	0.0009	-2.5 to 2.5	Pass
				-30	3.85	3.390	0.0014	-2.5 to 2.5	Pass
				-20	3.85	1.316	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				0	3.85	3.376	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.818	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.388	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.589	0.0010	-2.5 to 2.5	Pass
				50	3.85	0.687	0.0003	-2.5 to 2.5	Pass

	2535	25	0	20	3.27	-5.093	-0.0020	-2.5 to 2.5	Pass
					3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.960	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-3.390	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-4.606	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.505	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-4.649	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.591	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.333	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-4.349	-0.0017	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	0.844	0.0003	-2.5 to 2.5	Pass
					3.85	0.057	0.0000	-2.5 to 2.5	Pass
					4.43	0.730	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.529	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	2.217	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				10	3.85	1.245	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.588	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.615	0.0002	-2.5 to 2.5	Pass
				50	3.85	1.888	0.0007	-2.5 to 2.5	Pass

12.2 B7_10MHz

12.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.27	-2.232	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.574	-0.0006	-2.5 to 2.5	Pass
					4.43	-2.332	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.589	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.516	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-3.304	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.734	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.819	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.646	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.988	-0.0008	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-3.862	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.920	-0.0015	-2.5 to 2.5	Pass
					4.43	-4.978	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.503	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-4.091	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.705	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-4.635	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.589	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.804	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.874	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.988	-0.0008	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-3.519	-0.0014	-2.5 to 2.5	Pass
					3.85	-2.604	-0.0010	-2.5 to 2.5	Pass
					4.43	-5.007	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.675	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.346	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.176	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.148	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-3.805	-0.0015	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	-2.203	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
					4.43	-3.219	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-3.290	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-2.961	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-3.090	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.446	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.805	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.847	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-4.892	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-3.748	-0.0015	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-2.546	-0.0010	-2.5 to 2.5	Pass
					3.85	-4.406	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.632	-0.0010	-2.5 to 2.5	Pass

				-30	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-4.134	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.762	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.247	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.448	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.705	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-5.593	-0.0022	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-2.489	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.061	-0.0012	-2.5 to 2.5	Pass
					4.43	-2.904	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-3.834	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-4.091	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-1.187	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-3.862	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-4.148	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-3.047	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-4.234	-0.0017	-2.5 to 2.5	Pass

12.3 B7_15MHz

12.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.27	-0.916	-0.0004	-2.5 to 2.5	Pass
					3.85	1.945	0.0008	-2.5 to 2.5	Pass
					4.43	0.715	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.501	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.631	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0002	-2.5 to 2.5	Pass
				0	3.85	2.432	0.0010	-2.5 to 2.5	Pass
				10	3.85	5.536	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.431	0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.758	-0.0003	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-2.890	-0.0011	-2.5 to 2.5	Pass
					3.85	-4.649	-0.0018	-2.5 to 2.5	Pass
					4.43	-4.077	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-4.191	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-3.161	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-3.920	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-3.347	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-4.163	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-4.649	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-0.129	-0.0001	-2.5 to 2.5	Pass
					3.85	1.931	0.0008	-2.5 to 2.5	Pass
					4.43	2.832	0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.330	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				-10	3.85	3.004	0.0012	-2.5 to 2.5	Pass
				0	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				10	3.85	2.775	0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				40	3.85	2.275	0.0009	-2.5 to 2.5	Pass
				50	3.85	2.446	0.0010	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-0.515	-0.0002	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	-1.001	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.574	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-2.089	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.316	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.157	0.0001	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-1.688	-0.0007	-2.5 to 2.5	Pass
					3.85	-3.548	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.588	-0.0006	-2.5 to 2.5	Pass

				-30	3.85	-3.548	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.619	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-3.390	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0013	-2.5 to 2.5	Pass
				30	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.988	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	2.489	0.0010	-2.5 to 2.5	Pass
					3.85	3.061	0.0012	-2.5 to 2.5	Pass
					4.43	0.186	0.0001	-2.5 to 2.5	Pass
				-30	3.85	3.333	0.0013	-2.5 to 2.5	Pass
				-20	3.85	3.018	0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.159	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.416	0.0006	-2.5 to 2.5	Pass
				10	3.85	1.431	0.0006	-2.5 to 2.5	Pass
				30	3.85	2.761	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.130	0.0004	-2.5 to 2.5	Pass
				50	3.85	2.046	0.0008	-2.5 to 2.5	Pass

12.4 B7_20MHz

12.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.27	1.173	0.0005	-2.5 to 2.5	Pass
					3.85	0.401	0.0002	-2.5 to 2.5	Pass
					4.43	2.074	0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.787	0.0003	-2.5 to 2.5	Pass
				-20	3.85	2.575	0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				10	3.85	2.174	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.917	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.904	0.0012	-2.5 to 2.5	Pass
				50	3.85	2.389	0.0010	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-3.176	-0.0013	-2.5 to 2.5	Pass
					3.85	-4.263	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.845	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.061	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.574	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-3.777	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-4.106	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-4.506	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-3.633	-0.0014	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	0.958	0.0004	-2.5 to 2.5	Pass
					3.85	0.229	0.0001	-2.5 to 2.5	Pass
					4.43	0.100	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-1.101	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-1.774	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.672	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.531	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.215	0.0001	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	2.747	0.0011	-2.5 to 2.5	Pass
					3.85	0.772	0.0003	-2.5 to 2.5	Pass
					4.43	3.490	0.0014	-2.5 to 2.5	Pass
				-30	3.85	0.973	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.515	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.101	0.0004	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.904	0.0012	-2.5 to 2.5	Pass
				50	3.85	0.472	0.0002	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-3.376	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.717	-0.0007	-2.5 to 2.5	Pass
					4.43	-3.276	-0.0013	-2.5 to 2.5	Pass

				-30	3.85	-3.948	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-2.804	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.576	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-4.964	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-2.632	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.760	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-4.549	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.675	-0.0011	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-0.701	-0.0003	-2.5 to 2.5	Pass
					3.85	0.701	0.0003	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.903	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.372	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.644	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.143	0.0001	-2.5 to 2.5	Pass