

1. Frequency Stability

1.1 B5_1.4MHz

1.1.1 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	-1.385	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.669	-0.0020	-2.5 to 2.5	Pass
					4.43	-2.007	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.489	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-1.178	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.256	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-2.597	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-1.462	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-2.274	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-1.927	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-1.372	-0.0017	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-1.943	-0.0023	-2.5 to 2.5	Pass
					3.85	-1.372	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.311	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.860	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.872	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-0.892	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.521	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.565	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-1.328	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.135	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.727	-0.0021	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-0.260	-0.0003	-2.5 to 2.5	Pass
					3.85	-1.303	-0.0015	-2.5 to 2.5	Pass
					4.43	-0.731	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.305	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.952	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.088	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.275	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.146	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.870	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.521	-0.0006	-2.5 to 2.5	Pass
				50	3.85	0.228	0.0003	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-0.978	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.335	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.495	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-1.761	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.646	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-0.970	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.131	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.917	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.340	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.023	-0.0025	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-0.771	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.925	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.681	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.064	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass

				-10	3.85	-0.980	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.914	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.179	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-1.166	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.107	-0.0013	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-0.846	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.914	-0.0011	-2.5 to 2.5	Pass
					4.43	-0.405	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.874	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.379	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.600	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.814	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.379	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.011	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.403	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-1.152	-0.0014	-2.5 to 2.5	Pass

1.2 B5_3MHz

1.2.1 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	-0.665	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.573	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.082	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.405	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.613	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.146	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.014	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.946	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.341	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.149	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.462	-0.0006	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-0.496	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.137	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.230	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.018	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.696	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.408	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.324	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.686	0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.577	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.008	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.159	0.0002	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	0.227	0.0003	-2.5 to 2.5	Pass
					3.85	0.372	0.0004	-2.5 to 2.5	Pass
					4.43	-0.175	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.321	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.044	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.543	-0.0006	-2.5 to 2.5	Pass
				0	3.85	0.155	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.155	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.068	-0.0001	-2.5 to 2.5	Pass

				50	3.85	0.242	0.0003	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	0.174	0.0002	-2.5 to 2.5	Pass
					3.85	-0.130	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.790	-0.0010	-2.5 to 2.5	Pass
					-30	3.85	-0.768	-0.0009	-2.5 to 2.5
				-20	3.85	-0.467	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.313	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.359	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.190	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.083	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.685	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.499	-0.0006	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-0.791	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.351	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.816	-0.0010	-2.5 to 2.5	Pass
					-30	3.85	-0.185	-0.0002	-2.5 to 2.5
				-20	3.85	-0.279	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.446	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.628	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.978	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.368	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.204	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.055	-0.0001	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	0.034	0.0000	-2.5 to 2.5	Pass
					3.85	-0.210	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.496	-0.0006	-2.5 to 2.5	Pass
					-30	3.85	0.359	0.0004	-2.5 to 2.5
				-20	3.85	-0.590	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.202	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.003	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.617	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.085	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.123	-0.0001	-2.5 to 2.5	Pass

1.3 B5_5MHz

1.3.1 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	-0.105	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.191	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.620	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.403	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.380	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.324	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.632	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.260	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.313	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.708	0.0009	-2.5 to 2.5	Pass
				50	3.85	0.250	0.0003	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.253	-0.0003	-2.5 to 2.5	Pass
					3.85	0.561	0.0007	-2.5 to 2.5	Pass
					4.43	0.003	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.351	0.0004	-2.5 to 2.5	Pass

				-20	3.85	-0.325	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.191	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.180	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.022	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.252	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.600	0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.219	-0.0003	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	0.744	0.0009	-2.5 to 2.5	Pass
					3.85	0.127	0.0002	-2.5 to 2.5	Pass
					4.43	-0.439	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.068	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.339	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.054	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.662	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.122	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.303	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.693	-0.0008	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	0.340	0.0004	-2.5 to 2.5	Pass
					3.85	-0.070	-0.0001	-2.5 to 2.5	Pass
					4.43	0.080	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.223	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.278	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.107	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.210	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.665	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.042	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.274	-0.0003	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.393	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.265	-0.0003	-2.5 to 2.5	Pass
					4.43	0.229	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.054	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.398	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.147	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.096	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.420	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.532	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.203	0.0002	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-0.034	0.0000	-2.5 to 2.5	Pass
					3.85	0.301	0.0004	-2.5 to 2.5	Pass
					4.43	0.055	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.391	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.221	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.290	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.080	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.056	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.430	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.254	0.0003	-2.5 to 2.5	Pass

1.4 B5_10MHz

1.4.1 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	0.000	0.0000	-2.5 to 2.5	Pass
					3.85	0.005	0.0000	-2.5 to 2.5	Pass
					4.43	-0.829	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.083	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.132	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.098	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.767	0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.125	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.494	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.410	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.179	0.0002	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.086	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.011	0.0000	-2.5 to 2.5	Pass
					4.43	-0.403	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.090	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.156	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.011	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.354	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.480	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.487	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.690	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.641	-0.0008	-2.5 to 2.5	Pass
	844	50	0	20	3.27	0.049	0.0001	-2.5 to 2.5	Pass
					3.85	0.345	0.0004	-2.5 to 2.5	Pass
					4.43	0.006	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.193	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.204	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.165	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.227	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.058	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.084	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.428	-0.0005	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-0.364	-0.0004	-2.5 to 2.5	Pass
					3.85	0.156	0.0002	-2.5 to 2.5	Pass
					4.43	-0.301	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.247	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.092	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.305	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.106	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.040	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.240	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.195	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.045	0.0001	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.144	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.060	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.071	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.032	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.083	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.219	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.160	0.0002	-2.5 to 2.5	Pass

				10	3.85	-0.185	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.727	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.227	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.431	-0.0005	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-0.073	-0.0001	-2.5 to 2.5	Pass
					3.85	0.080	0.0001	-2.5 to 2.5	Pass
					4.43	-0.192	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.202	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.642	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.056	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.016	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.099	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.010	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.003	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.271	-0.0003	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B38_5MHz

2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.27	-6.796	-0.0026	-2.5 to 2.5	Pass
					3.85	-5.612	-0.0022	-2.5 to 2.5	Pass
					4.43	-6.322	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-6.236	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-5.956	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-2.251	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-6.615	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-5.051	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-4.910	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-5.591	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-7.115	-0.0028	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	-5.421	-0.0021	-2.5 to 2.5	Pass
					3.85	-4.907	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.979	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-5.496	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-10.186	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-9.067	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-6.472	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-4.459	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-6.655	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-7.006	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-5.065	-0.0020	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	-7.506	-0.0029	-2.5 to 2.5	Pass
					3.85	-7.469	-0.0029	-2.5 to 2.5	Pass
					4.43	-8.964	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-7.571	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-8.298	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-6.137	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-6.646	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-6.427	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-6.575	-0.0025	-2.5 to 2.5	Pass

16QAM	2572.5	25	0	40	3.85	-7.145	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-7.796	-0.0030	-2.5 to 2.5	Pass
				20	3.27	-4.483	-0.0017	-2.5 to 2.5	Pass
					3.85	-10.448	-0.0041	-2.5 to 2.5	Pass
					4.43	-7.925	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-7.444	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-8.838	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-7.202	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-7.795	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-7.955	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-4.755	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-9.174	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-5.319	-0.0021	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	-5.080	-0.0020	-2.5 to 2.5	Pass
					3.85	-7.592	-0.0029	-2.5 to 2.5	Pass
					4.43	-6.384	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-7.433	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-5.923	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-7.399	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-5.629	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-7.483	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-7.410	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-5.926	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-6.068	-0.0023	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	-6.458	-0.0025	-2.5 to 2.5	Pass
					3.85	-7.372	-0.0028	-2.5 to 2.5	Pass
					4.43	-9.633	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-9.347	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-9.029	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-10.042	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-10.205	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-9.649	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-8.952	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-7.882	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-7.118	-0.0027	-2.5 to 2.5	Pass

2.2 B38_10MHz

2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	3.27	-12.103	-0.0047	-2.5 to 2.5	Pass
					3.85	-13.941	-0.0054	-2.5 to 2.5	Pass
					4.43	-12.195	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-14.170	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-14.188	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-11.124	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-13.055	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-12.457	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-13.732	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-12.936	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-11.175	-0.0043	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-14.763	-0.0057	-2.5 to 2.5	Pass
					3.85	-16.641	-0.0064	-2.5 to 2.5	Pass
					4.43	-13.393	-0.0052	-2.5 to 2.5	Pass

				-30	3.85	-15.701	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-16.369	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-13.264	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-20.043	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-17.302	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-14.189	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-17.147	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-18.579	-0.0072	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-13.911	-0.0053	-2.5 to 2.5	Pass
					3.85	-12.170	-0.0047	-2.5 to 2.5	Pass
					4.43	-12.083	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-11.786	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-12.156	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-10.954	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-10.252	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-12.537	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-14.272	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-13.912	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-13.214	-0.0051	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.27	-14.061	-0.0055	-2.5 to 2.5	Pass
					3.85	-13.104	-0.0051	-2.5 to 2.5	Pass
					4.43	-12.399	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-13.021	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-11.635	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-12.584	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-9.746	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-13.316	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-13.695	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-14.120	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-14.456	-0.0056	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-16.938	-0.0065	-2.5 to 2.5	Pass
					3.85	-16.252	-0.0063	-2.5 to 2.5	Pass
					4.43	-17.919	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-12.914	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-16.122	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-16.312	-0.0063	-2.5 to 2.5	Pass
				0	3.85	-14.903	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-14.743	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-18.024	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-15.859	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-18.280	-0.0070	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-14.666	-0.0056	-2.5 to 2.5	Pass
					3.85	-11.536	-0.0044	-2.5 to 2.5	Pass
					4.43	-12.874	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-12.623	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-13.549	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-14.306	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-16.143	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-15.067	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-12.149	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-12.370	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-13.266	-0.0051	-2.5 to 2.5	Pass

2.3 B38_15MHz

2.3.1 Test Result

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	3.27	-19.323	-0.0075	-2.5 to 2.5	Pass
					3.85	-20.489	-0.0079	-2.5 to 2.5	Pass
					4.43	-19.547	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-18.806	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-20.340	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-16.985	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-19.222	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-18.151	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-20.339	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-18.368	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-18.916	-0.0073	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-19.441	-0.0075	-2.5 to 2.5	Pass
					3.85	-16.777	-0.0065	-2.5 to 2.5	Pass
					4.43	-19.851	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-19.484	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-13.787	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-14.061	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-18.513	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-16.771	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-16.557	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-13.705	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-14.666	-0.0057	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-16.647	-0.0064	-2.5 to 2.5	Pass
					3.85	-14.079	-0.0054	-2.5 to 2.5	Pass
					4.43	-18.154	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-17.650	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-17.706	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-17.361	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-15.604	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-15.175	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-15.894	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-17.243	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-13.945	-0.0053	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.27	-20.331	-0.0079	-2.5 to 2.5	Pass
					3.85	-18.200	-0.0071	-2.5 to 2.5	Pass
					4.43	-18.070	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-20.312	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-21.308	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-19.187	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-19.098	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-20.928	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-20.724	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-20.014	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-20.642	-0.0080	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-11.861	-0.0046	-2.5 to 2.5	Pass
					3.85	-17.752	-0.0068	-2.5 to 2.5	Pass
					4.43	-11.029	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-16.587	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-11.113	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-15.252	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-13.866	-0.0053	-2.5 to 2.5	Pass

				10	3.85	-13.431	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-11.045	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-16.215	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-13.669	-0.0053	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-14.729	-0.0056	-2.5 to 2.5	Pass
					3.85	-13.842	-0.0053	-2.5 to 2.5	Pass
					4.43	-13.667	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-16.040	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-12.715	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-14.358	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-15.996	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-13.645	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-11.313	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-17.953	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-16.134	-0.0062	-2.5 to 2.5	Pass

2.4 B38_20MHz

2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.27	-13.718	-0.0053	-2.5 to 2.5	Pass
					3.85	-17.581	-0.0068	-2.5 to 2.5	Pass
					4.43	-14.603	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-14.853	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-14.321	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-12.945	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-16.505	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-16.189	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-16.486	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-15.646	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-14.955	-0.0058	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-18.785	-0.0072	-2.5 to 2.5	Pass
					3.85	-17.667	-0.0068	-2.5 to 2.5	Pass
					4.43	-17.591	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-14.881	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-14.726	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-18.453	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-17.577	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-14.769	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-15.906	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-19.481	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-17.966	-0.0069	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-18.034	-0.0069	-2.5 to 2.5	Pass
					3.85	-16.254	-0.0062	-2.5 to 2.5	Pass
					4.43	-16.974	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-15.067	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-14.034	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-18.101	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-15.442	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-15.511	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-13.114	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-12.775	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-17.019	-0.0065	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.27	-18.187	-0.0070	-2.5 to 2.5	Pass

					3.85	-15.353	-0.0060	-2.5 to 2.5	Pass
					4.43	-16.288	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-17.355	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-16.117	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-14.692	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-17.257	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-17.820	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-18.665	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-16.777	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-16.184	-0.0063	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-9.392	-0.0036	-2.5 to 2.5	Pass
					3.85	-9.367	-0.0036	-2.5 to 2.5	Pass
					4.43	-13.323	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-8.481	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-12.807	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-14.929	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-15.820	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-16.676	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-10.972	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-10.446	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-10.142	-0.0039	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-13.337	-0.0051	-2.5 to 2.5	Pass
					3.85	-15.868	-0.0061	-2.5 to 2.5	Pass
					4.43	-10.142	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-13.800	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-16.971	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-17.843	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-10.662	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-12.178	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-12.918	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-13.119	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-13.012	-0.0050	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 B40a_5MHz

3.1.1 Test Result

Band: 40a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2307.5	25	0	20	3.27	-4.344	-0.0019	-2.5 to 2.5	Pass
					3.85	-4.917	-0.0021	-2.5 to 2.5	Pass
					4.43	-4.542	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-4.222	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-5.895	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-4.162	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-5.780	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-3.476	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-5.953	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-5.116	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-6.306	-0.0027	-2.5 to 2.5	Pass
	2310	25	0	20	3.27	-4.041	-0.0017	-2.5 to 2.5	Pass
					3.85	-4.665	-0.0020	-2.5 to 2.5	Pass
					4.43	-3.075	-0.0013	-2.5 to 2.5	Pass

				-30	3.85	-5.607	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-4.134	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-4.047	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.591	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-4.020	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-5.809	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-3.541	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-3.858	-0.0017	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	-4.505	-0.0019	-2.5 to 2.5	Pass
					3.85	-4.607	-0.0020	-2.5 to 2.5	Pass
					4.43	-4.503	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-5.213	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-4.888	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-4.253	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-6.043	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-5.100	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-5.552	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-6.226	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-5.196	-0.0022	-2.5 to 2.5	Pass
16QAM	2307.5	25	0	20	3.27	-7.612	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.767	-0.0029	-2.5 to 2.5	Pass
					4.43	-6.452	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-6.761	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-5.558	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.239	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-7.495	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-4.174	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-5.343	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-5.582	-0.0024	-2.5 to 2.5	Pass
	2310	25	0	20	3.27	-6.725	-0.0029	-2.5 to 2.5	Pass
					3.85	-6.329	-0.0027	-2.5 to 2.5	Pass
					4.43	-4.282	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.401	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-6.012	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-5.307	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.429	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-5.670	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-5.305	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-4.101	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-5.493	-0.0024	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	-4.642	-0.0020	-2.5 to 2.5	Pass
					3.85	-5.572	-0.0024	-2.5 to 2.5	Pass
					4.43	-6.960	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-4.150	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-5.596	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.901	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-6.395	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-6.399	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-6.472	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-4.596	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-6.175	-0.0027	-2.5 to 2.5	Pass

3.2 B40a_10MHz

3.2.1 Test Result

Band: 40a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2310	50	0	20	3.27	-12.431	-0.0054	-2.5 to 2.5	Pass
					3.85	-9.544	-0.0041	-2.5 to 2.5	Pass
					4.43	-11.426	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-9.390	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-9.092	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-10.570	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-10.146	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-10.309	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-10.406	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-9.830	-0.0043	-2.5 to 2.5	Pass
16QAM	2310	50	0	20	3.27	-11.193	-0.0048	-2.5 to 2.5	Pass
					3.85	-11.258	-0.0049	-2.5 to 2.5	Pass
					4.43	-12.940	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-12.728	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-11.101	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-10.793	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-12.450	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-11.469	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-12.351	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-11.983	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-11.810	-0.0051	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B40b_5MHz

4.1.1 Test Result

Band: 40b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2352.5	25	0	20	3.27	-5.720	-0.0024	-2.5 to 2.5	Pass
					3.85	-4.258	-0.0018	-2.5 to 2.5	Pass
					4.43	-7.181	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-5.979	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-3.622	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.613	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-4.248	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-4.504	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-6.526	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-7.065	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.561	-0.0019	-2.5 to 2.5	Pass
	2355	25	0	20	3.27	-5.098	-0.0022	-2.5 to 2.5	Pass
					3.85	-3.991	-0.0017	-2.5 to 2.5	Pass
					4.43	-6.161	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-4.268	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-4.691	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.096	-0.0013	-2.5 to 2.5	Pass

				0	3.85	-4.667	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-4.575	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-7.374	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-4.739	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-8.179	-0.0035	-2.5 to 2.5	Pass
	2357.5	25	0	20	3.27	-5.385	-0.0023	-2.5 to 2.5	Pass
					3.85	-6.329	-0.0027	-2.5 to 2.5	Pass
					4.43	-3.258	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.003	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-4.239	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-5.464	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-5.174	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-3.500	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-5.105	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.468	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-4.854	-0.0021	-2.5 to 2.5	Pass
16QAM	2352.5	25	0	20	3.27	-5.255	-0.0022	-2.5 to 2.5	Pass
					3.85	-3.558	-0.0015	-2.5 to 2.5	Pass
					4.43	-4.784	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-7.465	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-3.757	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-4.713	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.457	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-7.311	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-7.322	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-7.305	-0.0031	-2.5 to 2.5	Pass
	2355	25	0	50	3.85	-4.433	-0.0019	-2.5 to 2.5	Pass
				20	3.27	-2.879	-0.0012	-2.5 to 2.5	Pass
					3.85	-2.741	-0.0012	-2.5 to 2.5	Pass
					4.43	-3.034	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-5.886	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-4.224	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.508	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-2.192	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-4.230	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-6.620	-0.0028	-2.5 to 2.5	Pass
	2357.5	25	0	40	3.85	-6.519	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-6.598	-0.0028	-2.5 to 2.5	Pass
				20	3.27	-3.337	-0.0014	-2.5 to 2.5	Pass
					3.85	-6.587	-0.0028	-2.5 to 2.5	Pass
					4.43	-4.879	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-5.300	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-4.636	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.133	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-6.040	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-4.641	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-5.577	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-2.286	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-2.866	-0.0012	-2.5 to 2.5	Pass

4.2 B40b_10MHz

4.2.1 Test Result

Band: 40b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2355	50	0	20	3.27	-10.340	-0.0044	-2.5 to 2.5	Pass
					3.85	-9.172	-0.0039	-2.5 to 2.5	Pass
					4.43	-12.795	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-14.071	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-13.198	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-12.911	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-11.628	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-10.545	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-12.696	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-10.952	-0.0047	-2.5 to 2.5	Pass
16QAM	2355	50	0	20	3.27	-10.414	-0.0044	-2.5 to 2.5	Pass
					3.85	-11.324	-0.0048	-2.5 to 2.5	Pass
					4.43	-9.432	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-10.420	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-12.624	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-13.119	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-13.028	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-10.627	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-9.649	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-12.973	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-11.030	-0.0047	-2.5 to 2.5	Pass