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	
64QAM	699.7	6	0	20	3.27	1.288	0.0018	-2.5 to 2.5	Pass
					3.85	0.267	0.0004	-2.5 to 2.5	Pass
					4.43	-0.909	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.787	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.558	0.0022	-2.5 to 2.5	Pass
				-10	3.85	-0.427	-0.0006	-2.5 to 2.5	Pass
				0	3.85	1.533	0.0022	-2.5 to 2.5	Pass
				10	3.85	1.294	0.0018	-2.5 to 2.5	Pass
				30	3.85	0.534	0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.932	-0.0013	-2.5 to 2.5	Pass
				50	3.85	0.469	0.0007	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-0.441	-0.0006	-2.5 to 2.5	Pass
					3.85	3.395	0.0048	-2.5 to 2.5	Pass
					4.43	2.379	0.0034	-2.5 to 2.5	Pass
				-30	3.85	-0.919	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.870	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.991	-0.0014	-2.5 to 2.5	Pass
				0	3.85	0.836	0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.306	-0.0004	-2.5 to 2.5	Pass
				30	3.85	3.444	0.0049	-2.5 to 2.5	Pass
				40	3.85	0.900	0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.214	-0.0017	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	1.151	0.0016	-2.5 to 2.5	Pass
					3.85	1.838	0.0026	-2.5 to 2.5	Pass
					4.43	2.035	0.0028	-2.5 to 2.5	Pass
				-30	3.85	4.066	0.0057	-2.5 to 2.5	Pass
				-20	3.85	2.772	0.0039	-2.5 to 2.5	Pass
				-10	3.85	-0.297	-0.0004	-2.5 to 2.5	Pass
				0	3.85	1.019	0.0014	-2.5 to 2.5	Pass
				10	3.85	0.130	0.0002	-2.5 to 2.5	Pass
				30	3.85	3.242	0.0045	-2.5 to 2.5	Pass
				40	3.85	0.852	0.0012	-2.5 to 2.5	Pass
				50	3.85	1.553	0.0022	-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	
64QAM	700.5	15	0	20	3.27	0.527	0.0008	-2.5 to 2.5	Pass
					3.85	1.325	0.0019	-2.5 to 2.5	Pass
					4.43	2.518	0.0036	-2.5 to 2.5	Pass
				-30	3.85	1.352	0.0019	-2.5 to 2.5	Pass
				-20	3.85	2.016	0.0029	-2.5 to 2.5	Pass
				-10	3.85	0.430	0.0006	-2.5 to 2.5	Pass
				0	3.85	1.563	0.0022	-2.5 to 2.5	Pass
				10	3.85	0.731	0.0010	-2.5 to 2.5	Pass
				30	3.85	0.169	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.207	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.796	-0.0011	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-2.546	-0.0036	-2.5 to 2.5	Pass
					3.85	0.603	0.0009	-2.5 to 2.5	Pass
					4.43	1.196	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.393	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.605	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-2.005	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-0.177	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.727	-0.0024	-2.5 to 2.5	Pass
				30	3.85	2.278	0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.723	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.112	-0.0002	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	2.700	0.0038	-2.5 to 2.5	Pass
					3.85	0.193	0.0003	-2.5 to 2.5	Pass
					4.43	1.123	0.0016	-2.5 to 2.5	Pass
				-30	3.85	0.580	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.846	0.0026	-2.5 to 2.5	Pass
				-10	3.85	-0.342	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.118	-0.0016	-2.5 to 2.5	Pass
				10	3.85	0.289	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.237	0.0017	-2.5 to 2.5	Pass
				40	3.85	0.239	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.032	0.0000	-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	
64QAM	701.5	25	0	20	3.27	-1.287	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.205	-0.0031	-2.5 to 2.5	Pass
					4.43	-0.004	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-1.121	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-2.380	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-2.919	-0.0042	-2.5 to 2.5	Pass
				0	3.85	0.279	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.804	-0.0011	-2.5 to 2.5	Pass
				30	3.85	0.269	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.400	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.984	-0.0014	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-0.477	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.485	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.978	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.112	0.0016	-2.5 to 2.5	Pass
				-20	3.85	1.201	0.0017	-2.5 to 2.5	Pass
				-10	3.85	0.288	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.262	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.446	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.050	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.592	0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.077	-0.0015	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.848	-0.0012	-2.5 to 2.5	Pass
					3.85	-2.290	-0.0032	-2.5 to 2.5	Pass
					4.43	-1.539	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-2.382	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-3.211	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-2.170	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-1.804	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-0.521	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.348	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-1.962	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-1.664	-0.0023	-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	
64QAM	704	50	0	20	3.27	0.857	0.0012	-2.5 to 2.5	Pass
					3.85	-1.359	-0.0019	-2.5 to 2.5	Pass
					4.43	-0.881	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.083	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.528	0.0022	-2.5 to 2.5	Pass
				-10	3.85	-0.477	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.934	0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.092	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.843	0.0012	-2.5 to 2.5	Pass
				40	3.85	0.924	0.0013	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0006	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	0.709	0.0010	-2.5 to 2.5	Pass
					3.85	2.034	0.0029	-2.5 to 2.5	Pass
					4.43	0.482	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.109	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.138	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.767	-0.0011	-2.5 to 2.5	Pass
				0	3.85	1.333	0.0019	-2.5 to 2.5	Pass
				10	3.85	-0.346	-0.0005	-2.5 to 2.5	Pass
				30	3.85	2.229	0.0032	-2.5 to 2.5	Pass
				40	3.85	-0.626	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.344	-0.0005	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-0.018	0.0000	-2.5 to 2.5	Pass
					3.85	1.414	0.0020	-2.5 to 2.5	Pass
					4.43	0.033	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.448	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.780	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.173	0.0016	-2.5 to 2.5	Pass
				10	3.85	0.492	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.652	0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.459	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.605	-0.0023	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 B13_5MHz

2.1.1 Test Result

Band: 13 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	779.5	25	0	20	3.27	-0.673	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.611	-0.0033	-2.5 to 2.5	Pass
					4.43	-1.301	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	0.439	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.105	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.949	0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.256	-0.0029	-2.5 to 2.5	Pass
				10	3.85	2.192	0.0028	-2.5 to 2.5	Pass
				30	3.85	0.861	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.285	0.0016	-2.5 to 2.5	Pass
				50	3.85	2.091	0.0027	-2.5 to 2.5	Pass
	782	25	0	20	3.27	-0.750	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.301	-0.0004	-2.5 to 2.5	Pass
					4.43	0.675	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.506	0.0019	-2.5 to 2.5	Pass
				-20	3.85	-0.123	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.600	0.0020	-2.5 to 2.5	Pass
				0	3.85	-0.622	-0.0008	-2.5 to 2.5	Pass
				10	3.85	1.018	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.135	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.271	0.0003	-2.5 to 2.5	Pass
				50	3.85	2.163	0.0028	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	1.412	0.0018	-2.5 to 2.5	Pass
					3.85	-2.187	-0.0028	-2.5 to 2.5	Pass
					4.43	-1.186	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	0.237	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.213	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-2.409	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-1.620	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-0.560	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.079	-0.0014	-2.5 to 2.5	Pass
				40	3.85	1.853	0.0024	-2.5 to 2.5	Pass
				50	3.85	-1.761	-0.0022	-2.5 to 2.5	Pass

2.2 B13_10MHz

2.2.1 Test Result

Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	782	50	0	20	3.27	1.508	0.0019	-2.5 to 2.5	Pass
					3.85	0.628	0.0008	-2.5 to 2.5	Pass
					4.43	-1.313	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	0.824	0.0011	-2.5 to 2.5	Pass
				-20	3.85	0.196	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.435	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.585	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.299	0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.120	-0.0014	-2.5 to 2.5	Pass
				40	3.85	2.727	0.0035	-2.5 to 2.5	Pass
				50	3.85	-1.880	-0.0024	-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	
64QAM	1850.7	6	0	20	3.27	3.369	0.0018	-2.5 to 2.5	Pass
					3.85	2.967	0.0016	-2.5 to 2.5	Pass
					4.43	0.496	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.705	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.746	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	3.182	0.0017	-2.5 to 2.5	Pass
				0	3.85	6.480	0.0035	-2.5 to 2.5	Pass
				10	3.85	0.449	0.0002	-2.5 to 2.5	Pass
				30	3.85	3.041	0.0016	-2.5 to 2.5	Pass
				40	3.85	-3.468	-0.0019	-2.5 to 2.5	Pass
				50	3.85	2.783	0.0015	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	-4.050	-0.0022	-2.5 to 2.5	Pass
					3.85	-4.298	-0.0023	-2.5 to 2.5	Pass
					4.43	-0.893	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-3.957	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-4.039	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	0.532	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.078	0.0011	-2.5 to 2.5	Pass
				10	3.85	5.466	0.0029	-2.5 to 2.5	Pass
				30	3.85	1.861	0.0010	-2.5 to 2.5	Pass
				40	3.85	2.165	0.0012	-2.5 to 2.5	Pass
				50	3.85	6.465	0.0034	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	3.821	0.0020	-2.5 to 2.5	Pass
					3.85	-3.914	-0.0020	-2.5 to 2.5	Pass
					4.43	3.826	0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.537	0.0008	-2.5 to 2.5	Pass
				-20	3.85	6.737	0.0035	-2.5 to 2.5	Pass
				-10	3.85	-3.177	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-0.433	-0.0002	-2.5 to 2.5	Pass
				10	3.85	4.024	0.0021	-2.5 to 2.5	Pass
				30	3.85	2.114	0.0011	-2.5 to 2.5	Pass
				40	3.85	5.669	0.0030	-2.5 to 2.5	Pass
				50	3.85	3.298	0.0017	-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	
64QAM	1851.5	15	0	20	3.27	-1.584	-0.0009	-2.5 to 2.5	Pass
					3.85	-3.731	-0.0020	-2.5 to 2.5	Pass
					4.43	-1.994	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-3.903	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-3.657	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-0.268	-0.0001	-2.5 to 2.5	Pass
				0	3.85	5.152	0.0028	-2.5 to 2.5	Pass
				10	3.85	-7.791	-0.0042	-2.5 to 2.5	Pass
				30	3.85	0.076	0.0000	-2.5 to 2.5	Pass
				40	3.85	2.801	0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.336	-0.0002	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-0.632	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.449	-0.0002	-2.5 to 2.5	Pass
					4.43	-2.010	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.274	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.968	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.614	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.083	0.0000	-2.5 to 2.5	Pass
				10	3.85	-2.046	-0.0011	-2.5 to 2.5	Pass
				30	3.85	2.683	0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.414	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.795	-0.0004	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	-2.196	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
					4.43	-1.688	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.479	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.554	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				0	3.85	-4.137	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.324	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.641	0.0009	-2.5 to 2.5	Pass
				50	3.85	-3.790	-0.0020	-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	
64QAM	1852.5	25	0	20	3.27	2.350	0.0013	-2.5 to 2.5	Pass
					3.85	-2.059	-0.0011	-2.5 to 2.5	Pass
					4.43	5.336	0.0029	-2.5 to 2.5	Pass
				-30	3.85	-0.792	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.235	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-3.216	-0.0017	-2.5 to 2.5	Pass
				0	3.85	1.708	0.0009	-2.5 to 2.5	Pass
				10	3.85	-3.676	-0.0020	-2.5 to 2.5	Pass
				30	3.85	0.046	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.703	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.770	0.0004	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	4.110	0.0022	-2.5 to 2.5	Pass
					3.85	-0.027	0.0000	-2.5 to 2.5	Pass
					4.43	-1.810	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.825	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	4.527	0.0024	-2.5 to 2.5	Pass
				-10	3.85	4.311	0.0023	-2.5 to 2.5	Pass
				0	3.85	0.024	0.0000	-2.5 to 2.5	Pass
				10	3.85	2.704	0.0014	-2.5 to 2.5	Pass
				30	3.85	0.747	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.912	0.0010	-2.5 to 2.5	Pass
				50	3.85	2.316	0.0012	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	-3.671	-0.0019	-2.5 to 2.5	Pass
					3.85	-5.979	-0.0031	-2.5 to 2.5	Pass
					4.43	1.893	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.018	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.880	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-3.982	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-5.182	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-1.322	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.261	0.0001	-2.5 to 2.5	Pass
				40	3.85	4.874	0.0026	-2.5 to 2.5	Pass
				50	3.85	2.287	0.0012	-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	
64QAM	1855	50	0	20	3.27	2.633	0.0014	-2.5 to 2.5	Pass
					3.85	3.028	0.0016	-2.5 to 2.5	Pass
					4.43	4.491	0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.298	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	3.837	0.0021	-2.5 to 2.5	Pass
				-10	3.85	2.090	0.0011	-2.5 to 2.5	Pass
				0	3.85	3.778	0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.996	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-3.150	-0.0017	-2.5 to 2.5	Pass
				40	3.85	1.757	0.0009	-2.5 to 2.5	Pass
				50	3.85	1.339	0.0007	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	3.563	0.0019	-2.5 to 2.5	Pass
					3.85	2.074	0.0011	-2.5 to 2.5	Pass
					4.43	2.571	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-8.272	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-0.795	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	1.844	0.0010	-2.5 to 2.5	Pass
				0	3.85	1.461	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.967	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.944	0.0010	-2.5 to 2.5	Pass
				40	3.85	-6.313	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-5.039	-0.0027	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	-3.796	-0.0020	-2.5 to 2.5	Pass
					3.85	-5.024	-0.0026	-2.5 to 2.5	Pass
					4.43	-0.440	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.510	0.0008	-2.5 to 2.5	Pass
				-20	3.85	3.084	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.745	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				10	3.85	2.274	0.0012	-2.5 to 2.5	Pass
				30	3.85	0.178	0.0001	-2.5 to 2.5	Pass
				40	3.85	-5.447	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-4.592	-0.0024	-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	
64QAM	1857.5	75	0	20	3.27	3.864	0.0021	-2.5 to 2.5	Pass
					3.85	2.844	0.0015	-2.5 to 2.5	Pass
					4.43	0.868	0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.761	0.0015	-2.5 to 2.5	Pass
				-20	3.85	1.085	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.546	0.0008	-2.5 to 2.5	Pass
				0	3.85	-4.462	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-6.737	-0.0036	-2.5 to 2.5	Pass
				30	3.85	5.302	0.0029	-2.5 to 2.5	Pass
				40	3.85	-3.656	-0.0020	-2.5 to 2.5	Pass
				50	3.85	4.602	0.0025	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	1.156	0.0006	-2.5 to 2.5	Pass
					3.85	0.908	0.0005	-2.5 to 2.5	Pass
					4.43	-2.517	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.923	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.081	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.530	-0.0003	-2.5 to 2.5	Pass
				0	3.85	2.558	0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.506	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.296	-0.0012	-2.5 to 2.5	Pass
				40	3.85	0.703	0.0004	-2.5 to 2.5	Pass
				50	3.85	2.347	0.0012	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	9.735	0.0051	-2.5 to 2.5	Pass
					3.85	2.121	0.0011	-2.5 to 2.5	Pass
					4.43	-0.313	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.795	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.458	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-8.281	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-1.098	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.311	0.0002	-2.5 to 2.5	Pass
				30	3.85	-3.228	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-14.961	-0.0079	-2.5 to 2.5	Pass
				50	3.85	0.708	0.0004	-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	
64QAM	1860	100	0	20	3.27	1.338	0.0007	-2.5 to 2.5	Pass
					3.85	-4.715	-0.0025	-2.5 to 2.5	Pass
					4.43	0.334	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.316	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.274	0.0012	-2.5 to 2.5	Pass
				0	3.85	2.685	0.0014	-2.5 to 2.5	Pass
				10	3.85	3.212	0.0017	-2.5 to 2.5	Pass
				30	3.85	2.183	0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.345	0.0002	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	5.827	0.0031	-2.5 to 2.5	Pass
					3.85	-2.903	-0.0015	-2.5 to 2.5	Pass
					4.43	9.183	0.0049	-2.5 to 2.5	Pass
				-30	3.85	-0.147	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.681	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.262	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.379	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.925	0.0005	-2.5 to 2.5	Pass
				30	3.85	3.123	0.0017	-2.5 to 2.5	Pass
				40	3.85	-3.088	-0.0016	-2.5 to 2.5	Pass
				50	3.85	1.859	0.0010	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	-0.234	-0.0001	-2.5 to 2.5	Pass
					3.85	2.196	0.0012	-2.5 to 2.5	Pass
					4.43	4.946	0.0026	-2.5 to 2.5	Pass
				-30	3.85	0.677	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.256	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.188	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-8.597	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-0.116	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.443	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.046	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-5.071	-0.0027	-2.5 to 2.5	Pass

4. Frequency Stability

4.1 B4_1.4MHz

4.1.1 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	
64QAM	1710.7	6	0	20	3.27	-3.570	-0.0021	-2.5 to 2.5	Pass
					3.85	-5.250	-0.0031	-2.5 to 2.5	Pass
					4.43	-0.400	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.223	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.370	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.678	0.0016	-2.5 to 2.5	Pass
				0	3.85	2.106	0.0012	-2.5 to 2.5	Pass
				10	3.85	1.397	0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.183	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.924	-0.0017	-2.5 to 2.5	Pass
				50	3.85	1.190	0.0007	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-4.642	-0.0027	-2.5 to 2.5	Pass
					3.85	-0.178	-0.0001	-2.5 to 2.5	Pass
					4.43	0.612	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-6.124	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	3.042	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-0.074	0.0000	-2.5 to 2.5	Pass
				0	3.85	2.456	0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.509	-0.0009	-2.5 to 2.5	Pass
				30	3.85	7.685	0.0044	-2.5 to 2.5	Pass
				40	3.85	1.603	0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	2.552	0.0015	-2.5 to 2.5	Pass
					3.85	3.311	0.0019	-2.5 to 2.5	Pass
					4.43	7.802	0.0044	-2.5 to 2.5	Pass
				-30	3.85	3.618	0.0021	-2.5 to 2.5	Pass
				-20	3.85	-8.948	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-7.573	-0.0043	-2.5 to 2.5	Pass
				0	3.85	1.505	0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.271	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-5.084	-0.0029	-2.5 to 2.5	Pass
				40	3.85	0.396	0.0002	-2.5 to 2.5	Pass
				50	3.85	-9.727	-0.0055	-2.5 to 2.5	Pass

4.2 B4_3MHz

4.2.1 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	
64QAM	1711.5	15	0	20	3.27	2.250	0.0013	-2.5 to 2.5	Pass
					3.85	4.640	0.0027	-2.5 to 2.5	Pass
					4.43	-3.833	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-0.062	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.555	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.673	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-0.839	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.202	0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.606	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-5.172	-0.0030	-2.5 to 2.5	Pass
				50	3.85	0.002	0.0000	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	2.722	0.0016	-2.5 to 2.5	Pass
					3.85	-1.901	-0.0011	-2.5 to 2.5	Pass
					4.43	4.785	0.0028	-2.5 to 2.5	Pass
				-30	3.85	1.475	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.792	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.705	-0.0004	-2.5 to 2.5	Pass
				0	3.85	4.317	0.0025	-2.5 to 2.5	Pass
				10	3.85	0.062	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.649	-0.0010	-2.5 to 2.5	Pass
				40	3.85	0.106	0.0001	-2.5 to 2.5	Pass
				50	3.85	-4.064	-0.0023	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	2.127	0.0012	-2.5 to 2.5	Pass
					3.85	-2.826	-0.0016	-2.5 to 2.5	Pass
					4.43	-0.491	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.902	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.921	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.186	-0.0007	-2.5 to 2.5	Pass
				0	3.85	1.627	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.511	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-1.022	-0.0006	-2.5 to 2.5	Pass
				50	3.85	0.685	0.0004	-2.5 to 2.5	Pass

4.3 B4_5MHz

4.3.1 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	
64QAM	1712.5	25	0	20	3.27	-2.381	-0.0014	-2.5 to 2.5	Pass
					3.85	1.908	0.0011	-2.5 to 2.5	Pass
					4.43	-1.109	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-2.218	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.916	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.456	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-3.518	-0.0021	-2.5 to 2.5	Pass
				30	3.85	2.111	0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.269	-0.0002	-2.5 to 2.5	Pass
				50	3.85	3.564	0.0021	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.822	0.0005	-2.5 to 2.5	Pass
					3.85	3.827	0.0022	-2.5 to 2.5	Pass
					4.43	-4.481	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-3.439	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-2.839	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.229	-0.0013	-2.5 to 2.5	Pass
				0	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.887	-0.0017	-2.5 to 2.5	Pass
				30	3.85	0.092	0.0001	-2.5 to 2.5	Pass
				40	3.85	-5.285	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-2.237	-0.0013	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-3.252	-0.0019	-2.5 to 2.5	Pass
					3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
					4.43	-6.968	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-2.180	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-3.904	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	0.876	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.314	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.883	0.0005	-2.5 to 2.5	Pass
				30	3.85	-2.749	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-3.942	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-1.591	-0.0009	-2.5 to 2.5	Pass

4.4 B4_10MHz

4.4.1 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	
64QAM	1715	50	0	20	3.27	-0.165	-0.0001	-2.5 to 2.5	Pass
					3.85	0.590	0.0003	-2.5 to 2.5	Pass
					4.43	-7.547	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	3.165	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.940	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	2.240	0.0013	-2.5 to 2.5	Pass
				0	3.85	-3.227	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.022	-0.0012	-2.5 to 2.5	Pass
				30	3.85	4.727	0.0028	-2.5 to 2.5	Pass
				40	3.85	2.260	0.0013	-2.5 to 2.5	Pass
				50	3.85	2.729	0.0016	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	3.457	0.0020	-2.5 to 2.5	Pass
					3.85	0.808	0.0005	-2.5 to 2.5	Pass
					4.43	5.512	0.0032	-2.5 to 2.5	Pass
				-30	3.85	-2.699	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.362	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	6.022	0.0035	-2.5 to 2.5	Pass
				0	3.85	-3.278	-0.0019	-2.5 to 2.5	Pass
				10	3.85	2.347	0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.077	0.0000	-2.5 to 2.5	Pass
				40	3.85	2.548	0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.203	-0.0001	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-1.925	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.424	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.884	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.320	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.669	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	4.332	0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.512	-0.0009	-2.5 to 2.5	Pass
				10	3.85	2.820	0.0016	-2.5 to 2.5	Pass
				30	3.85	0.056	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.410	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-6.482	-0.0037	-2.5 to 2.5	Pass

4.5 B4_15MHz

4.5.1 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	
64QAM	1717.5	75	0	20	3.27	3.512	0.0020	-2.5 to 2.5	Pass
					3.85	1.261	0.0007	-2.5 to 2.5	Pass
					4.43	-0.138	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.626	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	3.971	0.0023	-2.5 to 2.5	Pass
				-10	3.85	1.410	0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.482	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.985	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.699	-0.0022	-2.5 to 2.5	Pass
				40	3.85	3.071	0.0018	-2.5 to 2.5	Pass
				50	3.85	3.080	0.0018	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-2.327	-0.0013	-2.5 to 2.5	Pass
					3.85	-3.191	-0.0018	-2.5 to 2.5	Pass
					4.43	-0.171	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				-20	3.85	3.426	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				0	3.85	1.199	0.0007	-2.5 to 2.5	Pass
				10	3.85	7.462	0.0043	-2.5 to 2.5	Pass
				30	3.85	1.620	0.0009	-2.5 to 2.5	Pass
				40	3.85	6.482	0.0037	-2.5 to 2.5	Pass
				50	3.85	7.698	0.0044	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	0.712	0.0004	-2.5 to 2.5	Pass
					3.85	-1.066	-0.0006	-2.5 to 2.5	Pass
					4.43	2.645	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.155	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-4.365	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	6.470	0.0037	-2.5 to 2.5	Pass
				0	3.85	-2.550	-0.0015	-2.5 to 2.5	Pass
				10	3.85	2.703	0.0015	-2.5 to 2.5	Pass
				30	3.85	3.230	0.0018	-2.5 to 2.5	Pass
				40	3.85	2.306	0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.821	-0.0022	-2.5 to 2.5	Pass

4.6 B4_20MHz

4.6.1 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	
64QAM	1720	100	0	20	3.27	-1.179	-0.0007	-2.5 to 2.5	Pass
					3.85	-7.934	-0.0046	-2.5 to 2.5	Pass
					4.43	-0.518	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.971	0.0011	-2.5 to 2.5	Pass
				-20	3.85	2.557	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.016	0.0000	-2.5 to 2.5	Pass
				0	3.85	1.840	0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.152	-0.0013	-2.5 to 2.5	Pass
				30	3.85	1.550	0.0009	-2.5 to 2.5	Pass
				40	3.85	-3.073	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.078	-0.0012	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-0.145	-0.0001	-2.5 to 2.5	Pass
					3.85	-2.228	-0.0013	-2.5 to 2.5	Pass
					4.43	0.678	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.754	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-3.751	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-2.562	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-3.674	-0.0021	-2.5 to 2.5	Pass
				30	3.85	3.519	0.0020	-2.5 to 2.5	Pass
				40	3.85	6.916	0.0040	-2.5 to 2.5	Pass
				50	3.85	-6.817	-0.0039	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-1.048	-0.0006	-2.5 to 2.5	Pass
					3.85	1.809	0.0010	-2.5 to 2.5	Pass
					4.43	-2.604	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-2.648	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.947	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.936	0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.297	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.087	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-3.512	-0.0020	-2.5 to 2.5	Pass
				40	3.85	0.716	0.0004	-2.5 to 2.5	Pass
				50	3.85	2.534	0.0015	-2.5 to 2.5	Pass

5. Frequency Stability

5.1 B5_1.4MHz

5.1.1 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	
64QAM	824.7	6	0	20	3.27	-1.508	-0.0018	-2.5 to 2.5	Pass
					3.85	-1.299	-0.0016	-2.5 to 2.5	Pass
					4.43	1.856	0.0023	-2.5 to 2.5	Pass
				-30	3.85	0.036	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.067	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.458	0.0006	-2.5 to 2.5	Pass
				0	3.85	1.467	0.0018	-2.5 to 2.5	Pass
				10	3.85	3.133	0.0038	-2.5 to 2.5	Pass
				30	3.85	-1.382	-0.0017	-2.5 to 2.5	Pass
				40	3.85	2.730	0.0033	-2.5 to 2.5	Pass
				50	3.85	-0.860	-0.0010	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	2.396	0.0029	-2.5 to 2.5	Pass
					3.85	-2.271	-0.0027	-2.5 to 2.5	Pass
					4.43	1.133	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-1.269	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	2.324	0.0028	-2.5 to 2.5	Pass
				-10	3.85	0.256	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.914	0.0011	-2.5 to 2.5	Pass
				10	3.85	0.296	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.338	-0.0004	-2.5 to 2.5	Pass
				40	3.85	1.381	0.0017	-2.5 to 2.5	Pass
				50	3.85	-0.640	-0.0008	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	0.307	0.0004	-2.5 to 2.5	Pass
					3.85	-3.680	-0.0043	-2.5 to 2.5	Pass
					4.43	-1.104	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.117	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.156	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-2.027	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.512	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.861	0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.587	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-1.731	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-0.298	-0.0004	-2.5 to 2.5	Pass

5.2 B5_3MHz

5.2.1 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	
64QAM	825.5	15	0	20	3.27	-1.823	-0.0022	-2.5 to 2.5	Pass
					3.85	-1.536	-0.0019	-2.5 to 2.5	Pass
					4.43	2.683	0.0033	-2.5 to 2.5	Pass
				-30	3.85	3.655	0.0044	-2.5 to 2.5	Pass
				-20	3.85	0.815	0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.566	0.0031	-2.5 to 2.5	Pass
				0	3.85	3.074	0.0037	-2.5 to 2.5	Pass
				10	3.85	1.981	0.0024	-2.5 to 2.5	Pass
				30	3.85	0.804	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.105	0.0013	-2.5 to 2.5	Pass
				50	3.85	0.276	0.0003	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-1.628	-0.0019	-2.5 to 2.5	Pass
					3.85	1.644	0.0020	-2.5 to 2.5	Pass
					4.43	-0.416	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.465	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-2.655	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	1.897	0.0023	-2.5 to 2.5	Pass
				0	3.85	-2.650	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-1.041	-0.0012	-2.5 to 2.5	Pass
				30	3.85	0.467	0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.792	-0.0021	-2.5 to 2.5	Pass
				50	3.85	0.084	0.0001	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-0.672	-0.0008	-2.5 to 2.5	Pass
					3.85	0.163	0.0002	-2.5 to 2.5	Pass
					4.43	-3.263	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-2.258	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-3.586	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	0.228	0.0003	-2.5 to 2.5	Pass
				0	3.85	-3.117	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-1.799	-0.0021	-2.5 to 2.5	Pass
				30	3.85	0.835	0.0010	-2.5 to 2.5	Pass
				40	3.85	-3.259	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-1.193	-0.0014	-2.5 to 2.5	Pass

5.3 B5_5MHz

5.3.1 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	
64QAM	826.5	25	0	20	3.27	-0.936	-0.0011	-2.5 to 2.5	Pass
					3.85	4.179	0.0051	-2.5 to 2.5	Pass
					4.43	0.475	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.255	0.0015	-2.5 to 2.5	Pass
				-20	3.85	0.625	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.925	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.634	-0.0008	-2.5 to 2.5	Pass
				10	3.85	2.278	0.0028	-2.5 to 2.5	Pass
				30	3.85	2.937	0.0036	-2.5 to 2.5	Pass
				40	3.85	-2.244	-0.0027	-2.5 to 2.5	Pass
				50	3.85	0.097	0.0001	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.069	-0.0001	-2.5 to 2.5	Pass
					3.85	0.574	0.0007	-2.5 to 2.5	Pass
					4.43	1.428	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-1.082	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.969	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.355	-0.0016	-2.5 to 2.5	Pass
				0	3.85	0.607	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.718	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.516	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.050	-0.0001	-2.5 to 2.5	Pass
				50	3.85	2.882	0.0034	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	0.174	0.0002	-2.5 to 2.5	Pass
					3.85	0.822	0.0010	-2.5 to 2.5	Pass
					4.43	2.584	0.0031	-2.5 to 2.5	Pass
				-30	3.85	-0.150	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.252	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.097	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-1.411	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.042	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.949	-0.0011	-2.5 to 2.5	Pass
				50	3.85	0.237	0.0003	-2.5 to 2.5	Pass

5.4 B5_10MHz

5.4.1 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	
64QAM	829	50	0	20	3.27	-0.237	-0.0003	-2.5 to 2.5	Pass
					3.85	0.088	0.0001	-2.5 to 2.5	Pass
					4.43	-0.255	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.017	0.0000	-2.5 to 2.5	Pass
				-20	3.85	2.423	0.0029	-2.5 to 2.5	Pass
				-10	3.85	1.480	0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.881	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-1.001	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.185	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.450	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-0.596	-0.0007	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	0.298	0.0004	-2.5 to 2.5	Pass
					3.85	-1.045	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.176	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.101	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.651	0.0032	-2.5 to 2.5	Pass
				-10	3.85	1.740	0.0021	-2.5 to 2.5	Pass
				0	3.85	-0.846	-0.0010	-2.5 to 2.5	Pass
				10	3.85	3.052	0.0036	-2.5 to 2.5	Pass
				30	3.85	1.315	0.0016	-2.5 to 2.5	Pass
				40	3.85	0.826	0.0010	-2.5 to 2.5	Pass
				50	3.85	5.184	0.0062	-2.5 to 2.5	Pass
	844	50	0	20	3.27	1.767	0.0021	-2.5 to 2.5	Pass
					3.85	-0.670	-0.0008	-2.5 to 2.5	Pass
					4.43	1.892	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-1.992	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	2.083	0.0025	-2.5 to 2.5	Pass
				-10	3.85	-3.937	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-0.022	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.562	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-0.423	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.581	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.734	-0.0009	-2.5 to 2.5	Pass

6. Frequency Stability

6.1 B66_1.4MHz

6.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	1710.7	6	0	20	3.27	2.449	0.0014	-2.5 to 2.5	Pass
					3.85	0.898	0.0005	-2.5 to 2.5	Pass
					4.43	1.834	0.0011	-2.5 to 2.5	Pass
				-30	3.85	4.921	0.0029	-2.5 to 2.5	Pass
				-20	3.85	-1.710	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.181	0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.267	-0.0013	-2.5 to 2.5	Pass
				10	3.85	0.088	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.833	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.391	-0.0008	-2.5 to 2.5	Pass
				50	3.85	1.874	0.0011	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	-0.705	-0.0004	-2.5 to 2.5	Pass
					3.85	0.182	0.0001	-2.5 to 2.5	Pass
					4.43	3.653	0.0021	-2.5 to 2.5	Pass
				-30	3.85	0.727	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.940	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.604	0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.835	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.603	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.346	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.605	0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.009	-0.0012	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-0.005	0.0000	-2.5 to 2.5	Pass
					3.85	1.567	0.0009	-2.5 to 2.5	Pass
					4.43	1.439	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.297	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	4.951	0.0028	-2.5 to 2.5	Pass
				-10	3.85	2.994	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.276	0.0007	-2.5 to 2.5	Pass
				10	3.85	-2.443	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-4.189	-0.0024	-2.5 to 2.5	Pass
				40	3.85	3.830	0.0022	-2.5 to 2.5	Pass
				50	3.85	5.537	0.0031	-2.5 to 2.5	Pass

6.2 B66_3MHz

6.2.1 Test Result

Band: 66 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	1711.5	15	0	20	3.27	1.149	0.0007	-2.5 to 2.5	Pass
					3.85	4.276	0.0025	-2.5 to 2.5	Pass
					4.43	-1.390	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.872	0.0005	-2.5 to 2.5	Pass
				-20	3.85	3.046	0.0018	-2.5 to 2.5	Pass
				-10	3.85	2.088	0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.011	-0.0023	-2.5 to 2.5	Pass
				10	3.85	0.171	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.198	0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.837	-0.0011	-2.5 to 2.5	Pass
				50	3.85	6.873	0.0040	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	-0.656	-0.0004	-2.5 to 2.5	Pass
					3.85	-2.803	-0.0016	-2.5 to 2.5	Pass
					4.43	-4.488	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-0.027	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.150	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-3.169	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-4.114	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-4.702	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-4.693	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-2.516	-0.0014	-2.5 to 2.5	Pass
				50	3.85	2.647	0.0015	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	2.445	0.0014	-2.5 to 2.5	Pass
					3.85	-3.521	-0.0020	-2.5 to 2.5	Pass
					4.43	2.021	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.244	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.109	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.078	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.327	0.0002	-2.5 to 2.5	Pass
				10	3.85	3.856	0.0022	-2.5 to 2.5	Pass
				30	3.85	0.518	0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.908	-0.0016	-2.5 to 2.5	Pass
				50	3.85	0.794	0.0004	-2.5 to 2.5	Pass

6.3 B66_5MHz

6.3.1 Test Result

Band: 66 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	1712.5	25	0	20	3.27	-5.233	-0.0031	-2.5 to 2.5	Pass
					3.85	2.764	0.0016	-2.5 to 2.5	Pass
					4.43	4.201	0.0025	-2.5 to 2.5	Pass
				-30	3.85	9.418	0.0055	-2.5 to 2.5	Pass
				-20	3.85	6.422	0.0038	-2.5 to 2.5	Pass
				-10	3.85	-1.231	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.935	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-6.557	-0.0038	-2.5 to 2.5	Pass
				30	3.85	5.113	0.0030	-2.5 to 2.5	Pass
				40	3.85	-1.736	-0.0010	-2.5 to 2.5	Pass
				50	3.85	3.269	0.0019	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	-3.428	-0.0020	-2.5 to 2.5	Pass
					3.85	2.102	0.0012	-2.5 to 2.5	Pass
					4.43	1.737	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.063	0.0000	-2.5 to 2.5	Pass
				-20	3.85	1.331	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.771	-0.0016	-2.5 to 2.5	Pass
				0	3.85	2.421	0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.806	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.399	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-6.199	-0.0036	-2.5 to 2.5	Pass
				50	3.85	5.710	0.0033	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	6.321	0.0036	-2.5 to 2.5	Pass
					3.85	-0.253	-0.0001	-2.5 to 2.5	Pass
					4.43	1.620	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.565	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	4.868	0.0027	-2.5 to 2.5	Pass
				-10	3.85	-0.826	-0.0005	-2.5 to 2.5	Pass
				0	3.85	0.242	0.0001	-2.5 to 2.5	Pass
				10	3.85	-1.186	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-8.068	-0.0045	-2.5 to 2.5	Pass
				40	3.85	2.605	0.0015	-2.5 to 2.5	Pass
				50	3.85	-1.134	-0.0006	-2.5 to 2.5	Pass

6.4 B66_10MHz

6.4.1 Test Result

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	1715	50	0	20	3.27	-4.079	-0.0024	-2.5 to 2.5	Pass
					3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.611	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-3.382	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-2.811	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-1.275	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-6.241	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-1.083	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.696	-0.0016	-2.5 to 2.5	Pass
				40	3.85	2.242	0.0013	-2.5 to 2.5	Pass
				50	3.85	-6.343	-0.0037	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	-4.087	-0.0023	-2.5 to 2.5	Pass
					3.85	-1.740	-0.0010	-2.5 to 2.5	Pass
					4.43	-2.401	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-1.333	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	6.396	0.0037	-2.5 to 2.5	Pass
				-10	3.85	5.661	0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.835	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-5.245	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-1.769	-0.0010	-2.5 to 2.5	Pass
				40	3.85	1.922	0.0011	-2.5 to 2.5	Pass
				50	3.85	4.716	0.0027	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	2.094	0.0012	-2.5 to 2.5	Pass
					3.85	-1.660	-0.0009	-2.5 to 2.5	Pass
					4.43	3.486	0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.621	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-4.930	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	1.938	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.469	0.0014	-2.5 to 2.5	Pass
				10	3.85	2.270	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.361	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.606	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-5.267	-0.0030	-2.5 to 2.5	Pass

6.5 B66_15MHz

6.5.1 Test Result

Band: 66 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	1717.5	75	0	20	3.27	-4.414	-0.0026	-2.5 to 2.5	Pass
					3.85	3.608	0.0021	-2.5 to 2.5	Pass
					4.43	7.078	0.0041	-2.5 to 2.5	Pass
				-30	3.85	-3.635	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	0.052	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-1.609	-0.0009	-2.5 to 2.5	Pass
				0	3.85	1.325	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.352	0.0008	-2.5 to 2.5	Pass
				30	3.85	-3.901	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-1.157	-0.0007	-2.5 to 2.5	Pass
				50	3.85	1.115	0.0006	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	-2.239	-0.0013	-2.5 to 2.5	Pass
					3.85	0.814	0.0005	-2.5 to 2.5	Pass
					4.43	-5.255	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-0.373	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	3.968	0.0023	-2.5 to 2.5	Pass
				-10	3.85	5.638	0.0032	-2.5 to 2.5	Pass
				0	3.85	1.607	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.668	0.0015	-2.5 to 2.5	Pass
				30	3.85	1.289	0.0007	-2.5 to 2.5	Pass
				40	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.251	0.0007	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	4.039	0.0023	-2.5 to 2.5	Pass
					3.85	1.381	0.0008	-2.5 to 2.5	Pass
					4.43	-2.924	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	2.549	0.0014	-2.5 to 2.5	Pass
				-20	3.85	4.003	0.0023	-2.5 to 2.5	Pass
				-10	3.85	3.631	0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.022	-0.0017	-2.5 to 2.5	Pass
				10	3.85	1.196	0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.998	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.174	-0.0007	-2.5 to 2.5	Pass
				50	3.85	3.069	0.0017	-2.5 to 2.5	Pass

6.6 B66_20MHz

6.6.1 Test Result

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	1720	100	0	20	3.27	-3.488	-0.0020	-2.5 to 2.5	Pass
					3.85	-0.536	-0.0003	-2.5 to 2.5	Pass
					4.43	-1.527	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.583	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.961	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.966	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.498	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.851	0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.861	-0.0005	-2.5 to 2.5	Pass
				50	3.85	3.093	0.0018	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	6.322	0.0036	-2.5 to 2.5	Pass
					3.85	-0.093	-0.0001	-2.5 to 2.5	Pass
					4.43	0.937	0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.938	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-2.480	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-4.342	-0.0025	-2.5 to 2.5	Pass
				0	3.85	4.425	0.0025	-2.5 to 2.5	Pass
				10	3.85	-3.162	-0.0018	-2.5 to 2.5	Pass
				30	3.85	2.608	0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.856	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.519	-0.0009	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	-0.448	-0.0003	-2.5 to 2.5	Pass
					3.85	1.545	0.0009	-2.5 to 2.5	Pass
					4.43	-0.870	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-2.142	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.979	0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.021	-0.0006	-2.5 to 2.5	Pass
				10	3.85	1.057	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.988	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.371	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-3.295	-0.0019	-2.5 to 2.5	Pass

7. Frequency Stability

7.1 B71_5MHz

7.1.1 Test Result

Band: 71 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	665.5	25	0	20	3.27	-1.266	-0.0019	-2.5 to 2.5	Pass
					3.85	0.107	0.0002	-2.5 to 2.5	Pass
					4.43	-1.554	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.178	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.599	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-0.798	-0.0012	-2.5 to 2.5	Pass
				0	3.85	0.669	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.378	0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.530	-0.0038	-2.5 to 2.5	Pass
				40	3.85	0.070	0.0001	-2.5 to 2.5	Pass
				50	3.85	1.693	0.0025	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	0.745	0.0011	-2.5 to 2.5	Pass
					3.85	-1.539	-0.0023	-2.5 to 2.5	Pass
					4.43	-1.326	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.283	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.373	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.680	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.637	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-0.068	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.365	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.280	-0.0004	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	2.432	0.0035	-2.5 to 2.5	Pass
					3.85	1.558	0.0022	-2.5 to 2.5	Pass
					4.43	-0.766	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.348	0.0019	-2.5 to 2.5	Pass
				-20	3.85	-0.594	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.594	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.379	0.0005	-2.5 to 2.5	Pass
				10	3.85	1.679	0.0024	-2.5 to 2.5	Pass
				30	3.85	0.598	0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.716	-0.0025	-2.5 to 2.5	Pass
				50	3.85	0.029	0.0000	-2.5 to 2.5	Pass

7.2 B71_10MHz

7.2.1 Test Result

Band: 71 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	668	50	0	20	3.27	1.550	0.0023	-2.5 to 2.5	Pass
					3.85	0.568	0.0009	-2.5 to 2.5	Pass
					4.43	2.151	0.0032	-2.5 to 2.5	Pass
				-30	3.85	0.834	0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.285	0.0019	-2.5 to 2.5	Pass
				-10	3.85	0.117	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.316	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.501	-0.0022	-2.5 to 2.5	Pass
				30	3.85	1.345	0.0020	-2.5 to 2.5	Pass
				40	3.85	0.264	0.0004	-2.5 to 2.5	Pass
				50	3.85	2.074	0.0031	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	0.598	0.0009	-2.5 to 2.5	Pass
					3.85	-0.645	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.577	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.322	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.817	0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.678	0.0025	-2.5 to 2.5	Pass
				0	3.85	0.513	0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.051	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.098	-0.0031	-2.5 to 2.5	Pass
				50	3.85	0.839	0.0012	-2.5 to 2.5	Pass
	693	50	0	20	3.27	0.378	0.0005	-2.5 to 2.5	Pass
					3.85	-1.112	-0.0016	-2.5 to 2.5	Pass
					4.43	-0.831	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.717	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.028	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.914	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.065	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.485	0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.230	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.269	-0.0004	-2.5 to 2.5	Pass
				50	3.85	3.009	0.0043	-2.5 to 2.5	Pass

7.3 B71_15MHz

7.3.1 Test Result

Band: 71 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	670.5	75	0	20	3.27	2.832	0.0042	-2.5 to 2.5	Pass
					3.85	1.068	0.0016	-2.5 to 2.5	Pass
					4.43	2.039	0.0030	-2.5 to 2.5	Pass
				-30	3.85	-1.560	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.319	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-0.994	-0.0015	-2.5 to 2.5	Pass
				0	3.85	0.028	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.617	0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.162	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.337	-0.0035	-2.5 to 2.5	Pass
				50	3.85	1.247	0.0019	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	0.760	0.0011	-2.5 to 2.5	Pass
					3.85	0.147	0.0002	-2.5 to 2.5	Pass
					4.43	1.234	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-0.378	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.746	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.661	-0.0010	-2.5 to 2.5	Pass
				0	3.85	0.403	0.0006	-2.5 to 2.5	Pass
				10	3.85	1.172	0.0017	-2.5 to 2.5	Pass
				30	3.85	0.207	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.317	0.0019	-2.5 to 2.5	Pass
				50	3.85	-0.858	-0.0013	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-0.195	-0.0003	-2.5 to 2.5	Pass
					3.85	1.037	0.0015	-2.5 to 2.5	Pass
					4.43	0.764	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.794	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.094	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.892	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.488	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.978	0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.016	-0.0015	-2.5 to 2.5	Pass
				50	3.85	1.039	0.0015	-2.5 to 2.5	Pass

7.4 B71_20MHz

7.4.1 Test Result

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	673	100	0	20	3.27	-0.085	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.037	-0.0001	-2.5 to 2.5	Pass
					4.43	-1.128	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.017	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.348	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-0.018	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.065	0.0001	-2.5 to 2.5	Pass
				30	3.85	1.384	0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.111	-0.0017	-2.5 to 2.5	Pass
				50	3.85	3.946	0.0059	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-1.037	-0.0015	-2.5 to 2.5	Pass
					3.85	1.883	0.0028	-2.5 to 2.5	Pass
					4.43	0.164	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.695	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.148	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.651	0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.025	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.012	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.104	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.018	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.519	0.0008	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-2.237	-0.0033	-2.5 to 2.5	Pass
					3.85	-1.352	-0.0020	-2.5 to 2.5	Pass
					4.43	0.152	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.066	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.925	0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.140	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-2.245	-0.0033	-2.5 to 2.5	Pass
				10	3.85	0.374	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.642	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.914	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.793	-0.0026	-2.5 to 2.5	Pass