

256QAM	1860	100	0		12	3.519	0.0018	-2.5 to 2.5	Pass
					13.2	2.933	0.0015	-2.5 to 2.5	Pass
					-30	12	5.550	0.0029	Pass
					-20	12	5.336	0.0028	Pass
					-10	12	2.303	0.0012	Pass
					0	12	1.917	0.0010	Pass
					10	12	1.345	0.0007	Pass
					30	12	2.446	0.0013	Pass
					40	12	1.845	0.0010	Pass
					50	12	0.515	0.0003	Pass
					20	10.8	1.888	0.0010	Pass
						12	2.332	0.0013	Pass
						13.2	1.531	0.0008	Pass
					-30	12	3.061	0.0016	Pass
					-20	12	3.390	0.0018	Pass
					-10	12	0.372	0.0002	Pass
					0	12	-3.061	-0.0016	Pass
					10	12	-4.306	-0.0023	Pass
					30	12	1.287	0.0007	Pass
					40	12	-2.761	-0.0015	Pass
					50	12	-2.875	-0.0015	Pass
256QAM	1882.5	100	0		20	10.8	-1.645	-0.0009	Pass
						12	-3.834	-0.0020	Pass
						13.2	-0.257	-0.0001	Pass
					-30	12	-2.475	-0.0013	Pass
					-20	12	-4.849	-0.0026	Pass
					-10	12	-0.672	-0.0004	Pass
					0	12	-3.719	-0.0020	Pass
					10	12	0.129	0.0001	Pass
					30	12	-0.100	-0.0001	Pass
					40	12	-0.644	-0.0003	Pass
					50	12	-1.101	-0.0006	Pass
					20	10.8	1.774	0.0009	Pass
						12	5.021	0.0026	Pass
						13.2	6.280	0.0033	Pass
					-30	12	3.805	0.0020	Pass
					-20	12	3.862	0.0020	Pass
					-10	12	5.980	0.0031	Pass
					0	12	5.579	0.0029	Pass
					10	12	1.931	0.0010	Pass
					30	12	2.861	0.0015	Pass
					40	12	4.120	0.0022	Pass
					50	12	3.362	0.0018	Pass



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7. Frequency Stability

7.1 B26b_1.4MHz

7.1.1 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	10.8	0.687	0.0008	-2.5 to 2.5	Pass
					12	-1.931	-0.0023	-2.5 to 2.5	Pass
					13.2	-1.945	-0.0024	-2.5 to 2.5	Pass
				-30	12	-1.931	-0.0023	-2.5 to 2.5	Pass
				-20	12	0.515	0.0006	-2.5 to 2.5	Pass
				-10	12	-1.516	-0.0018	-2.5 to 2.5	Pass
				0	12	-1.602	-0.0019	-2.5 to 2.5	Pass
				10	12	-3.862	-0.0047	-2.5 to 2.5	Pass
				30	12	0.114	0.0001	-2.5 to 2.5	Pass
				40	12	0.715	0.0009	-2.5 to 2.5	Pass
				50	12	-1.059	-0.0013	-2.5 to 2.5	Pass
	836.5	6	0	20	10.8	0.701	0.0008	-2.5 to 2.5	Pass
					12	-0.443	-0.0005	-2.5 to 2.5	Pass
					13.2	-0.415	-0.0005	-2.5 to 2.5	Pass



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				-30	12	-0.257	-0.0003	-2.5 to 2.5	Pass			
				-20	12	0.744	0.0009	-2.5 to 2.5	Pass			
				-10	12	-2.875	-0.0034	-2.5 to 2.5	Pass			
				0	12	-2.260	-0.0027	-2.5 to 2.5	Pass			
				10	12	-0.343	-0.0004	-2.5 to 2.5	Pass			
				30	12	-1.202	-0.0014	-2.5 to 2.5	Pass			
				40	12	0.601	0.0007	-2.5 to 2.5	Pass			
				50	12	-0.744	-0.0009	-2.5 to 2.5	Pass			
	848.3	6	0	20	10.8	3.319	0.0039	-2.5 to 2.5	Pass			
					12	-0.572	-0.0007	-2.5 to 2.5	Pass			
					13.2	-1.345	-0.0016	-2.5 to 2.5	Pass			
				-30	12	1.988	0.0023	-2.5 to 2.5	Pass			
				-20	12	2.189	0.0026	-2.5 to 2.5	Pass			
				-10	12	0.129	0.0002	-2.5 to 2.5	Pass			
				0	12	1.101	0.0013	-2.5 to 2.5	Pass			
				10	12	0.114	0.0001	-2.5 to 2.5	Pass			
				30	12	-0.429	-0.0005	-2.5 to 2.5	Pass			
				40	12	2.203	0.0026	-2.5 to 2.5	Pass			
				50	12	-0.157	-0.0002	-2.5 to 2.5	Pass			
16QAM	824.7	6	0	20	10.8	-0.958	-0.0012	-2.5 to 2.5	Pass			
					12	-0.529	-0.0006	-2.5 to 2.5	Pass			
					13.2	-1.001	-0.0012	-2.5 to 2.5	Pass			
				-30	12	-0.730	-0.0009	-2.5 to 2.5	Pass			
				-20	12	-3.033	-0.0037	-2.5 to 2.5	Pass			
				-10	12	-1.974	-0.0024	-2.5 to 2.5	Pass			
				0	12	-6.638	-0.0080	-2.5 to 2.5	Pass			
				10	12	-2.046	-0.0025	-2.5 to 2.5	Pass			
				30	12	-2.375	-0.0029	-2.5 to 2.5	Pass			
				40	12	-2.747	-0.0033	-2.5 to 2.5	Pass			
				50	12	-3.233	-0.0039	-2.5 to 2.5	Pass			
				836.5	6	0	20	10.8	0.629	0.0008	-2.5 to 2.5	Pass
								12	-1.602	-0.0019	-2.5 to 2.5	Pass
	13.2	-2.003	-0.0024					-2.5 to 2.5	Pass			
	-30	12	-2.418				-0.0029	-2.5 to 2.5	Pass			
	-20	12	-2.918				-0.0035	-2.5 to 2.5	Pass			
	-10	12	-1.144				-0.0014	-2.5 to 2.5	Pass			
	0	12	-1.087				-0.0013	-2.5 to 2.5	Pass			
	10	12	-1.945				-0.0023	-2.5 to 2.5	Pass			
	30	12	-0.572				-0.0007	-2.5 to 2.5	Pass			
	40	12	3.362				0.0040	-2.5 to 2.5	Pass			
	50	12	0.300				0.0004	-2.5 to 2.5	Pass			
	848.3	6	0				20	10.8	0.057	0.0001	-2.5 to 2.5	Pass
								12	-3.548	-0.0042	-2.5 to 2.5	Pass
								13.2	-4.005	-0.0047	-2.5 to 2.5	Pass
							-30	12	0.143	0.0002	-2.5 to 2.5	Pass
				-20	12	-4.406	-0.0052	-2.5 to 2.5	Pass			
				-10	12	-3.304	-0.0039	-2.5 to 2.5	Pass			
0				12	1.230	0.0014	-2.5 to 2.5	Pass				
10				12	-3.147	-0.0037	-2.5 to 2.5	Pass				
30				12	-2.346	-0.0028	-2.5 to 2.5	Pass				
40				12	-3.619	-0.0043	-2.5 to 2.5	Pass				
50	12	-3.748	-0.0044	-2.5 to 2.5	Pass							
64QAM	824.7	6	0	20	10.8	-4.306	-0.0052	-2.5 to 2.5	Pass			
					12	-3.376	-0.0041	-2.5 to 2.5	Pass			



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256QAM					13.2	0.372	0.0005	-2.5 to 2.5	Pass
				-30	12	-4.992	-0.0061	-2.5 to 2.5	Pass
				-20	12	-3.977	-0.0048	-2.5 to 2.5	Pass
				-10	12	-1.602	-0.0019	-2.5 to 2.5	Pass
				0	12	0.143	0.0002	-2.5 to 2.5	Pass
				10	12	-1.874	-0.0023	-2.5 to 2.5	Pass
				30	12	-5.193	-0.0063	-2.5 to 2.5	Pass
				40	12	-2.017	-0.0024	-2.5 to 2.5	Pass
				50	12	0.114	0.0001	-2.5 to 2.5	Pass
	836.5	6	0	20	10.8	-0.687	-0.0008	-2.5 to 2.5	Pass
					12	-2.060	-0.0025	-2.5 to 2.5	Pass
					13.2	-1.488	-0.0018	-2.5 to 2.5	Pass
				-30	12	0.601	0.0007	-2.5 to 2.5	Pass
				-20	12	-1.330	-0.0016	-2.5 to 2.5	Pass
				-10	12	-5.665	-0.0068	-2.5 to 2.5	Pass
				0	12	-2.761	-0.0033	-2.5 to 2.5	Pass
				10	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				30	12	-0.243	-0.0003	-2.5 to 2.5	Pass
				40	12	-2.217	-0.0027	-2.5 to 2.5	Pass
	848.3	6	0	20	10.8	-0.043	-0.0001	-2.5 to 2.5	Pass
					12	0.858	0.0010	-2.5 to 2.5	Pass
					13.2	1.745	0.0021	-2.5 to 2.5	Pass
				-30	12	0.129	0.0002	-2.5 to 2.5	Pass
				-20	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				-10	12	-1.001	-0.0012	-2.5 to 2.5	Pass
				0	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				10	12	1.388	0.0016	-2.5 to 2.5	Pass
				30	12	0.386	0.0005	-2.5 to 2.5	Pass
				40	12	-0.458	-0.0005	-2.5 to 2.5	Pass
	824.7	6	0	20	10.8	3.147	0.0038	-2.5 to 2.5	Pass
					12	-1.402	-0.0017	-2.5 to 2.5	Pass
					13.2	0.687	0.0008	-2.5 to 2.5	Pass
				-30	12	-1.731	-0.0021	-2.5 to 2.5	Pass
				-20	12	-0.772	-0.0009	-2.5 to 2.5	Pass
				-10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				0	12	-3.061	-0.0037	-2.5 to 2.5	Pass
				10	12	0.801	0.0010	-2.5 to 2.5	Pass
				30	12	0.501	0.0006	-2.5 to 2.5	Pass
				40	12	-1.702	-0.0021	-2.5 to 2.5	Pass
	836.5	6	0	20	10.8	0.386	0.0005	-2.5 to 2.5	Pass
					12	0.901	0.0011	-2.5 to 2.5	Pass
					13.2	0.701	0.0008	-2.5 to 2.5	Pass
				-30	12	-1.044	-0.0012	-2.5 to 2.5	Pass
				-20	12	-2.303	-0.0028	-2.5 to 2.5	Pass
				-10	12	2.475	0.0030	-2.5 to 2.5	Pass
				0	12	2.947	0.0035	-2.5 to 2.5	Pass
				10	12	-0.772	-0.0009	-2.5 to 2.5	Pass
				30	12	-1.473	-0.0018	-2.5 to 2.5	Pass
				40	12	1.016	0.0012	-2.5 to 2.5	Pass
	848.3	6	0	50	12	-1.330	-0.0016	-2.5 to 2.5	Pass
				20	10.8	3.176	0.0037	-2.5 to 2.5	Pass



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				12	1.373	0.0016	-2.5 to 2.5	Pass
				13.2	2.890	0.0034	-2.5 to 2.5	Pass
			-30	12	3.247	0.0038	-2.5 to 2.5	Pass
			-20	12	3.262	0.0038	-2.5 to 2.5	Pass
			-10	12	0.572	0.0007	-2.5 to 2.5	Pass
			0	12	1.431	0.0017	-2.5 to 2.5	Pass
			10	12	1.330	0.0016	-2.5 to 2.5	Pass
			30	12	1.388	0.0016	-2.5 to 2.5	Pass
			40	12	0.787	0.0009	-2.5 to 2.5	Pass
			50	12	2.975	0.0035	-2.5 to 2.5	Pass

7.2 B26b_3MHz

7.2.1 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	10.8	-1.087	-0.0013	-2.5 to 2.5	Pass
					12	-1.760	-0.0021	-2.5 to 2.5	Pass
					13.2	-3.347	-0.0041	-2.5 to 2.5	Pass
				-30	12	-3.705	-0.0045	-2.5 to 2.5	Pass
				-20	12	-3.991	-0.0048	-2.5 to 2.5	Pass
				-10	12	-4.950	-0.0060	-2.5 to 2.5	Pass
				0	12	-4.592	-0.0056	-2.5 to 2.5	Pass
				10	12	-4.263	-0.0052	-2.5 to 2.5	Pass
				30	12	-0.629	-0.0008	-2.5 to 2.5	Pass
				40	12	-1.431	-0.0017	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	-3.176	-0.0038	-2.5 to 2.5	Pass
					12	-2.089	-0.0025	-2.5 to 2.5	Pass
					13.2	1.202	0.0014	-2.5 to 2.5	Pass
				-30	12	2.403	0.0029	-2.5 to 2.5	Pass
				-20	12	-1.731	-0.0021	-2.5 to 2.5	Pass
				-10	12	-1.817	-0.0022	-2.5 to 2.5	Pass
				0	12	-2.718	-0.0032	-2.5 to 2.5	Pass
				10	12	0.916	0.0011	-2.5 to 2.5	Pass
				30	12	-2.146	-0.0026	-2.5 to 2.5	Pass
				40	12	-0.086	-0.0001	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	-1.602	-0.0019	-2.5 to 2.5	Pass
					12	-2.117	-0.0025	-2.5 to 2.5	Pass
					13.2	-1.874	-0.0022	-2.5 to 2.5	Pass
				-30	12	-2.131	-0.0025	-2.5 to 2.5	Pass
				-20	12	-0.901	-0.0011	-2.5 to 2.5	Pass
				-10	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				0	12	-1.616	-0.0019	-2.5 to 2.5	Pass
				10	12	-1.903	-0.0022	-2.5 to 2.5	Pass
				30	12	2.747	0.0032	-2.5 to 2.5	Pass
				40	12	-1.259	-0.0015	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	10.8	-2.275	-0.0028	-2.5 to 2.5	Pass



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					12	-3.004	-0.0036	-2.5 to 2.5	Pass			
					13.2	-13.25	-0.0054	-2.5 to 2.5	Pass			
					-30	12	-6.695	-0.0081	-2.5 to 2.5	Pass		
					-20	12	-4.392	-0.0053	-2.5 to 2.5	Pass		
					-10	12	-3.934	-0.0048	-2.5 to 2.5	Pass		
					0	12	-3.676	-0.0045	-2.5 to 2.5	Pass		
					10	12	-1.717	-0.0021	-2.5 to 2.5	Pass		
					30	12	-0.415	-0.0005	-2.5 to 2.5	Pass		
					40	12	-2.990	-0.0036	-2.5 to 2.5	Pass		
					50	12	-5.422	-0.0066	-2.5 to 2.5	Pass		
				836.5	15	0	20	10.8	2.389	0.0029	-2.5 to 2.5	Pass
								12	-2.389	-0.0029	-2.5 to 2.5	Pass
	13.2	-2.160	-0.0026					-2.5 to 2.5	Pass			
	-30	12	-2.046				-0.0024	-2.5 to 2.5	Pass			
	-20	12	2.360				0.0028	-2.5 to 2.5	Pass			
	-10	12	0.558				0.0007	-2.5 to 2.5	Pass			
	0	12	-0.987				-0.0012	-2.5 to 2.5	Pass			
	10	12	-0.014				0.0000	-2.5 to 2.5	Pass			
	30	12	-3.319				-0.0040	-2.5 to 2.5	Pass			
	40	12	-2.818				-0.0034	-2.5 to 2.5	Pass			
	50	12	-0.200	-0.0002	-2.5 to 2.5	Pass						
	847.5	15	0	20	10.8	2.074	0.0024	-2.5 to 2.5	Pass			
					12	1.788	0.0021	-2.5 to 2.5	Pass			
					13.2	1.001	0.0012	-2.5 to 2.5	Pass			
				-30	12	-3.405	-0.0040	-2.5 to 2.5	Pass			
				-20	12	-2.618	-0.0031	-2.5 to 2.5	Pass			
				-10	12	1.602	0.0019	-2.5 to 2.5	Pass			
				0	12	1.874	0.0022	-2.5 to 2.5	Pass			
				10	12	1.917	0.0023	-2.5 to 2.5	Pass			
				30	12	-2.217	-0.0026	-2.5 to 2.5	Pass			
				40	12	0.315	0.0004	-2.5 to 2.5	Pass			
				50	12	0.830	0.0010	-2.5 to 2.5	Pass			
				64QAM	825.5	15	0	20	10.8	0.930	0.0011	-2.5 to 2.5
	12	-0.701	-0.0008						-2.5 to 2.5	Pass		
	13.2	-4.449	-0.0054						-2.5 to 2.5	Pass		
	-30	12	-1.802					-0.0022	-2.5 to 2.5	Pass		
-20	12	1.259	0.0015					-2.5 to 2.5	Pass			
-10	12	-1.845	-0.0022					-2.5 to 2.5	Pass			
0	12	-3.247	-0.0039					-2.5 to 2.5	Pass			
10	12	-1.988	-0.0024					-2.5 to 2.5	Pass			
30	12	0.644	0.0008					-2.5 to 2.5	Pass			
40	12	-3.448	-0.0042					-2.5 to 2.5	Pass			
50	12	-1.760	-0.0021					-2.5 to 2.5	Pass			
836.5	15	0	20					10.8	-1.588	-0.0019	-2.5 to 2.5	Pass
					12	-0.615	-0.0007	-2.5 to 2.5	Pass			
					13.2	-2.646	-0.0032	-2.5 to 2.5	Pass			
			-30		12	0.429	0.0005	-2.5 to 2.5	Pass			
			-20		12	-4.506	-0.0054	-2.5 to 2.5	Pass			
			-10		12	-2.046	-0.0024	-2.5 to 2.5	Pass			
			0		12	-1.087	-0.0013	-2.5 to 2.5	Pass			
			10		12	-2.475	-0.0030	-2.5 to 2.5	Pass			
			30		12	-0.129	-0.0002	-2.5 to 2.5	Pass			
			40		12	-2.089	-0.0025	-2.5 to 2.5	Pass			
			50		12	-4.349	-0.0052	-2.5 to 2.5	Pass			



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256QAM	847.5	15	0	20	10.8	-1.216	-0.0014	-2.5 to 2.5	Pass
					12	1.502	0.0018	-2.5 to 2.5	Pass
					13.2	2.632	0.0031	-2.5 to 2.5	Pass
				-30	12	4.363	0.0051	-2.5 to 2.5	Pass
				-20	12	6.094	0.0072	-2.5 to 2.5	Pass
				-10	12	0.143	0.0002	-2.5 to 2.5	Pass
				0	12	0.315	0.0004	-2.5 to 2.5	Pass
				10	12	-0.758	-0.0009	-2.5 to 2.5	Pass
				30	12	1.402	0.0017	-2.5 to 2.5	Pass
				40	12	3.705	0.0044	-2.5 to 2.5	Pass
				50	12	-0.057	-0.0001	-2.5 to 2.5	Pass
	825.5	15	0	20	10.8	-0.172	-0.0002	-2.5 to 2.5	Pass
					12	-0.672	-0.0008	-2.5 to 2.5	Pass
					13.2	-5.894	-0.0071	-2.5 to 2.5	Pass
				-30	12	-0.157	-0.0002	-2.5 to 2.5	Pass
				-20	12	-0.772	-0.0009	-2.5 to 2.5	Pass
				-10	12	-1.230	-0.0015	-2.5 to 2.5	Pass
				0	12	-0.901	-0.0011	-2.5 to 2.5	Pass
				10	12	-4.106	-0.0050	-2.5 to 2.5	Pass
				30	12	-4.978	-0.0060	-2.5 to 2.5	Pass
				40	12	-3.290	-0.0040	-2.5 to 2.5	Pass
				50	12	-1.488	-0.0018	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	-0.730	-0.0009	-2.5 to 2.5	Pass
					12	0.458	0.0005	-2.5 to 2.5	Pass
					13.2	-0.873	-0.0010	-2.5 to 2.5	Pass
				-30	12	-2.675	-0.0032	-2.5 to 2.5	Pass
				-20	12	-2.661	-0.0032	-2.5 to 2.5	Pass
				-10	12	-0.658	-0.0008	-2.5 to 2.5	Pass
				0	12	-0.515	-0.0006	-2.5 to 2.5	Pass
				10	12	0.644	0.0008	-2.5 to 2.5	Pass
				30	12	0.329	0.0004	-2.5 to 2.5	Pass
				40	12	1.402	0.0017	-2.5 to 2.5	Pass
				50	12	-0.472	-0.0006	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	-1.860	-0.0022	-2.5 to 2.5	Pass
					12	-3.119	-0.0037	-2.5 to 2.5	Pass
					13.2	-1.659	-0.0020	-2.5 to 2.5	Pass
				-30	12	0.286	0.0003	-2.5 to 2.5	Pass
				-20	12	-2.818	-0.0033	-2.5 to 2.5	Pass
				-10	12	-1.917	-0.0023	-2.5 to 2.5	Pass
				0	12	-1.659	-0.0020	-2.5 to 2.5	Pass
				10	12	0.386	0.0005	-2.5 to 2.5	Pass
				30	12	-0.644	-0.0008	-2.5 to 2.5	Pass
				40	12	-0.343	-0.0004	-2.5 to 2.5	Pass
				50	12	-0.272	-0.0003	-2.5 to 2.5	Pass

7.3 B26b_5MHz

7.3.1 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	



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QPSK	826.5	25	0	20	10.8	1.831	0.0022	-2.5 to 2.5	Pass
					12	-2.146	-0.0026	-2.5 to 2.5	Pass
					13.2	0.057	0.0001	-2.5 to 2.5	Pass
				-30	12	-2.303	-0.0028	-2.5 to 2.5	Pass
				-20	12	-1.802	-0.0022	-2.5 to 2.5	Pass
				-10	12	1.030	0.0012	-2.5 to 2.5	Pass
				0	12	-0.072	-0.0001	-2.5 to 2.5	Pass
				10	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				30	12	-1.116	-0.0014	-2.5 to 2.5	Pass
				40	12	-0.157	-0.0002	-2.5 to 2.5	Pass
				50	12	0.229	0.0003	-2.5 to 2.5	Pass
	836.5	25	0	20	10.8	-0.358	-0.0004	-2.5 to 2.5	Pass
					12	-0.958	-0.0011	-2.5 to 2.5	Pass
					13.2	-4.091	-0.0049	-2.5 to 2.5	Pass
				-30	12	-3.805	-0.0045	-2.5 to 2.5	Pass
				-20	12	-0.458	-0.0005	-2.5 to 2.5	Pass
				-10	12	-1.888	-0.0023	-2.5 to 2.5	Pass
				0	12	-0.687	-0.0008	-2.5 to 2.5	Pass
				10	12	-2.618	-0.0031	-2.5 to 2.5	Pass
				30	12	-1.688	-0.0020	-2.5 to 2.5	Pass
				40	12	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	12	-2.718	-0.0032	-2.5 to 2.5	Pass
	846.5	25	0	20	10.8	-3.061	-0.0036	-2.5 to 2.5	Pass
					12	-0.229	-0.0003	-2.5 to 2.5	Pass
					13.2	-0.944	-0.0011	-2.5 to 2.5	Pass
				-30	12	-1.645	-0.0019	-2.5 to 2.5	Pass
				-20	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				-10	12	-1.402	-0.0017	-2.5 to 2.5	Pass
				0	12	-3.347	-0.0040	-2.5 to 2.5	Pass
				10	12	-0.300	-0.0004	-2.5 to 2.5	Pass
				30	12	-0.329	-0.0004	-2.5 to 2.5	Pass
				40	12	-1.574	-0.0019	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	10.8	-0.186	-0.0002	-2.5 to 2.5	Pass
					12	-1.717	-0.0021	-2.5 to 2.5	Pass
					13.2	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	12	-1.001	-0.0012	-2.5 to 2.5	Pass
				-20	12	-4.349	-0.0053	-2.5 to 2.5	Pass
				-10	12	-2.546	-0.0031	-2.5 to 2.5	Pass
				0	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				10	12	-1.631	-0.0020	-2.5 to 2.5	Pass
				30	12	-1.059	-0.0013	-2.5 to 2.5	Pass
				40	12	1.259	0.0015	-2.5 to 2.5	Pass
				50	12	-0.687	-0.0008	-2.5 to 2.5	Pass
	836.5	25	0	20	10.8	-1.531	-0.0018	-2.5 to 2.5	Pass
					12	-0.501	-0.0006	-2.5 to 2.5	Pass
					13.2	-4.520	-0.0054	-2.5 to 2.5	Pass
				-30	12	-3.133	-0.0037	-2.5 to 2.5	Pass
				-20	12	-1.159	-0.0014	-2.5 to 2.5	Pass
				-10	12	-2.360	-0.0028	-2.5 to 2.5	Pass
				0	12	0.629	0.0008	-2.5 to 2.5	Pass
				10	12	-4.277	-0.0051	-2.5 to 2.5	Pass
				30	12	-2.761	-0.0033	-2.5 to 2.5	Pass
				40	12	-1.230	-0.0015	-2.5 to 2.5	Pass



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				50	12	-2.017	-0.0024	-2.5 to 2.5	Pass
	846.5	25	0	20	10.8	0.973	0.0011	-2.5 to 2.5	Pass
					12	-0.029	0.0000	-2.5 to 2.5	Pass
					13.2	-2.074	-0.0025	-2.5 to 2.5	Pass
				-30	12	0.801	0.0009	-2.5 to 2.5	Pass
				-20	12	2.174	0.0026	-2.5 to 2.5	Pass
				-10	12	1.860	0.0022	-2.5 to 2.5	Pass
				0	12	1.845	0.0022	-2.5 to 2.5	Pass
				10	12	-1.345	-0.0016	-2.5 to 2.5	Pass
				30	12	0.815	0.0010	-2.5 to 2.5	Pass
40				12	1.087	0.0013	-2.5 to 2.5	Pass	
50	12	-0.386	-0.0005	-2.5 to 2.5	Pass				
64QAM	826.5	25	0	20	10.8	-1.187	-0.0014	-2.5 to 2.5	Pass
					12	-0.415	-0.0005	-2.5 to 2.5	Pass
					13.2	-0.343	-0.0004	-2.5 to 2.5	Pass
				-30	12	-0.615	-0.0007	-2.5 to 2.5	Pass
				-20	12	-3.977	-0.0048	-2.5 to 2.5	Pass
				-10	12	-3.576	-0.0043	-2.5 to 2.5	Pass
				0	12	-1.545	-0.0019	-2.5 to 2.5	Pass
				10	12	-0.501	-0.0006	-2.5 to 2.5	Pass
				30	12	1.073	0.0013	-2.5 to 2.5	Pass
				40	12	-1.187	-0.0014	-2.5 to 2.5	Pass
	50	12	-1.760	-0.0021	-2.5 to 2.5	Pass			
	836.5	25	0	20	10.8	-0.587	-0.0007	-2.5 to 2.5	Pass
					12	-0.758	-0.0009	-2.5 to 2.5	Pass
					13.2	0.501	0.0006	-2.5 to 2.5	Pass
				-30	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				-20	12	1.745	0.0021	-2.5 to 2.5	Pass
				-10	12	-1.817	-0.0022	-2.5 to 2.5	Pass
				0	12	0.744	0.0009	-2.5 to 2.5	Pass
				10	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				30	12	-0.815	-0.0010	-2.5 to 2.5	Pass
				40	12	-3.090	-0.0037	-2.5 to 2.5	Pass
	50	12	-1.631	-0.0019	-2.5 to 2.5	Pass			
	846.5	25	0	20	10.8	-0.744	-0.0009	-2.5 to 2.5	Pass
					12	-1.760	-0.0021	-2.5 to 2.5	Pass
					13.2	-2.832	-0.0033	-2.5 to 2.5	Pass
				-30	12	0.501	0.0006	-2.5 to 2.5	Pass
				-20	12	0.315	0.0004	-2.5 to 2.5	Pass
				-10	12	-1.788	-0.0021	-2.5 to 2.5	Pass
				0	12	-2.174	-0.0026	-2.5 to 2.5	Pass
				10	12	-0.587	-0.0007	-2.5 to 2.5	Pass
30				12	-0.873	-0.0010	-2.5 to 2.5	Pass	
40				12	-0.558	-0.0007	-2.5 to 2.5	Pass	
50	12	-2.432	-0.0029	-2.5 to 2.5	Pass				
256QAM	826.5	25	0	20	10.8	-10.500	-0.0127	-2.5 to 2.5	Pass
					12	-22.216	-0.0269	-2.5 to 2.5	Pass
					13.2	-8.340	-0.0101	-2.5 to 2.5	Pass
				-30	12	-3.834	-0.0046	-2.5 to 2.5	Pass
				-20	12	6.380	0.0077	-2.5 to 2.5	Pass
				-10	12	2.675	0.0032	-2.5 to 2.5	Pass
				0	12	4.277	0.0052	-2.5 to 2.5	Pass
				10	12	0.558	0.0007	-2.5 to 2.5	Pass
30	12	1.745	0.0021	-2.5 to 2.5	Pass				



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	836.5	25	0	40	12	0.186	0.0002	-2.5 to 2.5	Pass
				50	12	-0.515	-0.0006	-2.5 to 2.5	Pass
				20	10.8	0.615	0.0007	-2.5 to 2.5	Pass
					12	-2.275	-0.0027	-2.5 to 2.5	Pass
					13.2	-1.316	-0.0016	-2.5 to 2.5	Pass
				-30	12	-3.047	-0.0036	-2.5 to 2.5	Pass
				-20	12	-2.732	-0.0033	-2.5 to 2.5	Pass
				-10	12	-3.390	-0.0041	-2.5 to 2.5	Pass
				0	12	-2.961	-0.0035	-2.5 to 2.5	Pass
				10	12	-3.762	-0.0045	-2.5 to 2.5	Pass
	846.5	25	0	30	12	0.529	0.0006	-2.5 to 2.5	Pass
				40	12	-3.262	-0.0039	-2.5 to 2.5	Pass
				50	12	-3.090	-0.0037	-2.5 to 2.5	Pass
				20	10.8	-1.416	-0.0017	-2.5 to 2.5	Pass
					12	-3.877	-0.0046	-2.5 to 2.5	Pass
					13.2	-2.618	-0.0031	-2.5 to 2.5	Pass
				-30	12	-2.489	-0.0029	-2.5 to 2.5	Pass
				-20	12	-1.488	-0.0018	-2.5 to 2.5	Pass
				-10	12	-1.159	-0.0014	-2.5 to 2.5	Pass
				0	12	-0.558	-0.0007	-2.5 to 2.5	Pass
				10	12	-0.272	-0.0003	-2.5 to 2.5	Pass
				30	12	-3.476	-0.0041	-2.5 to 2.5	Pass
				40	12	-0.572	-0.0007	-2.5 to 2.5	Pass
				50	12	0.257	0.0003	-2.5 to 2.5	Pass

7.4 B26b_10MHz

7.4.1 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	10.8	-0.100	-0.0001	-2.5 to 2.5	Pass
					12	-1.616	-0.0019	-2.5 to 2.5	Pass
					13.2	-0.458	-0.0006	-2.5 to 2.5	Pass
				-30	12	0.558	0.0007	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0005	-2.5 to 2.5	Pass
				-10	12	-0.229	-0.0003	-2.5 to 2.5	Pass
				0	12	0.772	0.0009	-2.5 to 2.5	Pass
				10	12	0.687	0.0008	-2.5 to 2.5	Pass
				30	12	-1.144	-0.0014	-2.5 to 2.5	Pass
				40	12	-0.558	-0.0007	-2.5 to 2.5	Pass
	836.5	50	0	50	12	-2.275	-0.0027	-2.5 to 2.5	Pass
				20	10.8	-4.935	-0.0059	-2.5 to 2.5	Pass
					12	-2.675	-0.0032	-2.5 to 2.5	Pass
					13.2	-3.319	-0.0040	-2.5 to 2.5	Pass
				-30	12	-4.249	-0.0051	-2.5 to 2.5	Pass
				-20	12	-1.616	-0.0019	-2.5 to 2.5	Pass
				-10	12	-2.890	-0.0035	-2.5 to 2.5	Pass
				0	12	-3.133	-0.0037	-2.5 to 2.5	Pass
				10	12	-3.691	-0.0044	-2.5 to 2.5	Pass
				30	12	-4.792	-0.0057	-2.5 to 2.5	Pass



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16QAM	844	50	0	40	12	-5.178	-0.0062	-2.5 to 2.5	Pass
				50	12	-2.775	-0.0033	-2.5 to 2.5	Pass
				20	10.8	1.416	0.0017	-2.5 to 2.5	Pass
					12	1.945	0.0023	-2.5 to 2.5	Pass
					13.2	-1.044	-0.0012	-2.5 to 2.5	Pass
				-30	12	0.329	0.0004	-2.5 to 2.5	Pass
				-20	12	0.386	0.0005	-2.5 to 2.5	Pass
				-10	12	2.117	0.0025	-2.5 to 2.5	Pass
				0	12	0.787	0.0009	-2.5 to 2.5	Pass
				10	12	1.702	0.0020	-2.5 to 2.5	Pass
				30	12	-2.360	-0.0028	-2.5 to 2.5	Pass
				40	12	-1.144	-0.0014	-2.5 to 2.5	Pass
				50	12	0.286	0.0003	-2.5 to 2.5	Pass
	829	50	0	20	10.8	-0.672	-0.0008	-2.5 to 2.5	Pass
					12	-2.689	-0.0032	-2.5 to 2.5	Pass
					13.2	-2.346	-0.0028	-2.5 to 2.5	Pass
				-30	12	-3.605	-0.0043	-2.5 to 2.5	Pass
				-20	12	-2.146	-0.0026	-2.5 to 2.5	Pass
				-10	12	-0.443	-0.0005	-2.5 to 2.5	Pass
				0	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				10	12	-0.672	-0.0008	-2.5 to 2.5	Pass
				30	12	-2.403	-0.0029	-2.5 to 2.5	Pass
				40	12	-0.372	-0.0004	-2.5 to 2.5	Pass
				50	12	-2.804	-0.0034	-2.5 to 2.5	Pass
	836.5	50	0	20	10.8	-4.492	-0.0054	-2.5 to 2.5	Pass
					12	-2.947	-0.0035	-2.5 to 2.5	Pass
					13.2	-1.917	-0.0023	-2.5 to 2.5	Pass
				-30	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				-20	12	-3.762	-0.0045	-2.5 to 2.5	Pass
				-10	12	-1.559	-0.0019	-2.5 to 2.5	Pass
				0	12	-2.546	-0.0030	-2.5 to 2.5	Pass
				10	12	-1.717	-0.0021	-2.5 to 2.5	Pass
				30	12	-3.405	-0.0041	-2.5 to 2.5	Pass
				40	12	-0.715	-0.0009	-2.5 to 2.5	Pass
				50	12	-2.260	-0.0027	-2.5 to 2.5	Pass
	844	50	0	20	10.8	-2.103	-0.0025	-2.5 to 2.5	Pass
					12	-2.174	-0.0026	-2.5 to 2.5	Pass
					13.2	-0.830	-0.0010	-2.5 to 2.5	Pass
				-30	12	-1.731	-0.0021	-2.5 to 2.5	Pass
				-20	12	-1.202	-0.0014	-2.5 to 2.5	Pass
				-10	12	-1.431	-0.0017	-2.5 to 2.5	Pass
				0	12	-1.631	-0.0019	-2.5 to 2.5	Pass
				10	12	-2.375	-0.0028	-2.5 to 2.5	Pass
				30	12	-1.330	-0.0016	-2.5 to 2.5	Pass
				40	12	-0.844	-0.0010	-2.5 to 2.5	Pass
				50	12	0.057	0.0001	-2.5 to 2.5	Pass
64QAM	829	50	0	20	10.8	2.418	0.0029	-2.5 to 2.5	Pass
					12	-0.744	-0.0009	-2.5 to 2.5	Pass
					13.2	1.216	0.0015	-2.5 to 2.5	Pass
				-30	12	0.787	0.0009	-2.5 to 2.5	Pass
				-20	12	0.858	0.0010	-2.5 to 2.5	Pass
				-10	12	-0.544	-0.0007	-2.5 to 2.5	Pass
				0	12	-0.186	-0.0002	-2.5 to 2.5	Pass
				10	12	0.944	0.0011	-2.5 to 2.5	Pass



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256QAM	836.5	50	0	30	12	0.801	0.0010	-2.5 to 2.5	Pass
				40	12	-1.988	-0.0024	-2.5 to 2.5	Pass
				50	12	-0.129	-0.0002	-2.5 to 2.5	Pass
				20	10.8	0.558	0.0007	-2.5 to 2.5	Pass
					12	-1.373	-0.0016	-2.5 to 2.5	Pass
					13.2	0.386	0.0005	-2.5 to 2.5	Pass
				-30	12	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	12	1.388	0.0017	-2.5 to 2.5	Pass
				-10	12	-0.372	-0.0004	-2.5 to 2.5	Pass
				0	12	0.086	0.0001	-2.5 to 2.5	Pass
				10	12	-0.372	-0.0004	-2.5 to 2.5	Pass
				30	12	0.286	0.0003	-2.5 to 2.5	Pass
				40	12	-1.616	-0.0019	-2.5 to 2.5	Pass
				50	12	0.672	0.0008	-2.5 to 2.5	Pass
	844	50	0	20	10.8	1.717	0.0020	-2.5 to 2.5	Pass
					12	-1.073	-0.0013	-2.5 to 2.5	Pass
					13.2	0.858	0.0010	-2.5 to 2.5	Pass
				-30	12	0.472	0.0006	-2.5 to 2.5	Pass
				-20	12	0.386	0.0005	-2.5 to 2.5	Pass
				-10	12	-0.057	-0.0001	-2.5 to 2.5	Pass
				0	12	-1.159	-0.0014	-2.5 to 2.5	Pass
				10	12	-1.545	-0.0018	-2.5 to 2.5	Pass
				30	12	-1.273	-0.0015	-2.5 to 2.5	Pass
				40	12	-2.861	-0.0034	-2.5 to 2.5	Pass
				50	12	-0.916	-0.0011	-2.5 to 2.5	Pass
	829	50	0	20	10.8	1.588	0.0019	-2.5 to 2.5	Pass
					12	-0.830	-0.0010	-2.5 to 2.5	Pass
					13.2	-1.402	-0.0017	-2.5 to 2.5	Pass
				-30	12	0.844	0.0010	-2.5 to 2.5	Pass
				-20	12	1.416	0.0017	-2.5 to 2.5	Pass
				-10	12	1.245	0.0015	-2.5 to 2.5	Pass
				0	12	0.272	0.0003	-2.5 to 2.5	Pass
				10	12	3.576	0.0043	-2.5 to 2.5	Pass
				30	12	0.358	0.0004	-2.5 to 2.5	Pass
				40	12	0.644	0.0008	-2.5 to 2.5	Pass
				50	12	2.346	0.0028	-2.5 to 2.5	Pass
	836.5	50	0	20	10.8	-1.531	-0.0018	-2.5 to 2.5	Pass
					12	-0.587	-0.0007	-2.5 to 2.5	Pass
					13.2	0.544	0.0007	-2.5 to 2.5	Pass
				-30	12	-1.602	-0.0019	-2.5 to 2.5	Pass
				-20	12	-1.760	-0.0021	-2.5 to 2.5	Pass
				-10	12	-1.388	-0.0017	-2.5 to 2.5	Pass
				0	12	-1.974	-0.0024	-2.5 to 2.5	Pass
				10	12	-1.574	-0.0019	-2.5 to 2.5	Pass
				30	12	-0.744	-0.0009	-2.5 to 2.5	Pass
				40	12	-2.403	-0.0029	-2.5 to 2.5	Pass
				50	12	-3.633	-0.0043	-2.5 to 2.5	Pass
	844	50	0	20	10.8	-1.531	-0.0018	-2.5 to 2.5	Pass
					12	0.200	0.0002	-2.5 to 2.5	Pass
					13.2	-1.187	-0.0014	-2.5 to 2.5	Pass
				-30	12	0.157	0.0002	-2.5 to 2.5	Pass
				-20	12	-0.744	-0.0009	-2.5 to 2.5	Pass
				-10	12	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	12	-0.801	-0.0009	-2.5 to 2.5	Pass



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				10	12	0.300	0.0004	-2.5 to 2.5	Pass
				30	12	0.873	0.0010	-2.5 to 2.5	Pass
				40	12	-0.329	-0.0004	-2.5 to 2.5	Pass
				50	12	0.987	0.0012	-2.5 to 2.5	Pass

8. Frequency Stability

8.1 B26c_15MHz

8.1.1 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	10.8	-1.945	-0.0024	-2.5 to 2.5	Pass
					12	-4.306	-0.0052	-2.5 to 2.5	Pass
					13.2	-0.558	-0.0007	-2.5 to 2.5	Pass
				-30	12	-3.605	-0.0044	-2.5 to 2.5	Pass
				-20	12	-4.177	-0.0051	-2.5 to 2.5	Pass
				-10	12	-1.402	-0.0017	-2.5 to 2.5	Pass
				0	12	-2.332	-0.0028	-2.5 to 2.5	Pass
				10	12	-2.275	-0.0028	-2.5 to 2.5	Pass
				30	12	-2.575	-0.0031	-2.5 to 2.5	Pass
				40	12	-3.576	-0.0044	-2.5 to 2.5	Pass
				50	12	-2.789	-0.0034	-2.5 to 2.5	Pass
	831.5	75	0	20	10.8	-1.745	-0.0021	-2.5 to 2.5	Pass
					12	-3.033	-0.0036	-2.5 to 2.5	Pass
					13.2	-3.061	-0.0037	-2.5 to 2.5	Pass
				-30	12	-1.988	-0.0024	-2.5 to 2.5	Pass
				-20	12	-0.443	-0.0005	-2.5 to 2.5	Pass
				-10	12	-2.089	-0.0025	-2.5 to 2.5	Pass



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				0	12	-1.903	-0.0023	-2.5 to 2.5	Pass			
				10	12	-2.804	-0.0034	-2.5 to 2.5	Pass			
				30	12	-1.230	-0.0015	-2.5 to 2.5	Pass			
				40	12	-2.246	-0.0027	-2.5 to 2.5	Pass			
				50	12	-1.416	-0.0017	-2.5 to 2.5	Pass			
	841.5	75	0	20	10.8	0.687	0.0008	-2.5 to 2.5	Pass			
					12	-0.587	-0.0007	-2.5 to 2.5	Pass			
					13.2	-0.129	-0.0002	-2.5 to 2.5	Pass			
				-30	12	0.844	0.0010	-2.5 to 2.5	Pass			
				-20	12	0.300	0.0004	-2.5 to 2.5	Pass			
				-10	12	-0.486	-0.0006	-2.5 to 2.5	Pass			
				0	12	0.615	0.0007	-2.5 to 2.5	Pass			
				10	12	0.672	0.0008	-2.5 to 2.5	Pass			
				30	12	-0.501	-0.0006	-2.5 to 2.5	Pass			
				40	12	0.973	0.0012	-2.5 to 2.5	Pass			
				50	12	-1.874	-0.0022	-2.5 to 2.5	Pass			
16QAM	821.5	75	0	20	10.8	-3.576	-0.0044	-2.5 to 2.5	Pass			
					12	-4.663	-0.0057	-2.5 to 2.5	Pass			
					13.2	-4.406	-0.0054	-2.5 to 2.5	Pass			
				-30	12	-3.648	-0.0044	-2.5 to 2.5	Pass			
				-20	12	-1.388	-0.0017	-2.5 to 2.5	Pass			
				-10	12	-0.043	-0.0001	-2.5 to 2.5	Pass			
				0	12	-0.787	-0.0010	-2.5 to 2.5	Pass			
				10	12	-2.017	-0.0025	-2.5 to 2.5	Pass			
				30	12	-2.275	-0.0028	-2.5 to 2.5	Pass			
				40	12	-1.402	-0.0017	-2.5 to 2.5	Pass			
				50	12	-2.232	-0.0027	-2.5 to 2.5	Pass			
	831.5	75	0	20	10.8	-0.329	-0.0004	-2.5 to 2.5	Pass			
					12	-1.416	-0.0017	-2.5 to 2.5	Pass			
					13.2	-1.788	-0.0022	-2.5 to 2.5	Pass			
				-30	12	-1.488	-0.0018	-2.5 to 2.5	Pass			
				-20	12	-2.217	-0.0027	-2.5 to 2.5	Pass			
				-10	12	-0.787	-0.0009	-2.5 to 2.5	Pass			
				0	12	-1.302	-0.0016	-2.5 to 2.5	Pass			
				10	12	-3.419	-0.0041	-2.5 to 2.5	Pass			
				30	12	-0.973	-0.0012	-2.5 to 2.5	Pass			
				40	12	-3.762	-0.0045	-2.5 to 2.5	Pass			
				50	12	-2.503	-0.0030	-2.5 to 2.5	Pass			
				841.5	75	0	20	10.8	-0.401	-0.0005	-2.5 to 2.5	Pass
								12	0.758	0.0009	-2.5 to 2.5	Pass
								13.2	-0.801	-0.0010	-2.5 to 2.5	Pass
							-30	12	-0.916	-0.0011	-2.5 to 2.5	Pass
							-20	12	0.229	0.0003	-2.5 to 2.5	Pass
							-10	12	-0.787	-0.0009	-2.5 to 2.5	Pass
0	12	-0.229	-0.0003				-2.5 to 2.5	Pass				
10	12	1.903	0.0023				-2.5 to 2.5	Pass				
30	12	-0.672	-0.0008				-2.5 to 2.5	Pass				
40	12	-0.100	-0.0001				-2.5 to 2.5	Pass				
50	12	-1.216	-0.0014	-2.5 to 2.5	Pass							
64QAM	821.5	75	0	20	10.8	-0.930	-0.0011	-2.5 to 2.5	Pass			
					12	-2.561	-0.0031	-2.5 to 2.5	Pass			
					13.2	-2.646	-0.0032	-2.5 to 2.5	Pass			
				-30	12	-3.934	-0.0048	-2.5 to 2.5	Pass			
				-20	12	-1.287	-0.0016	-2.5 to 2.5	Pass			



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				-10	12	-2.804	-0.0034	-2.5 to 2.5	Pass	
				0	12	-3.505	-0.0043	-2.5 to 2.5	Pass	
				10	12	-3.676	-0.0045	-2.5 to 2.5	Pass	
				30	12	-1.845	-0.0022	-2.5 to 2.5	Pass	
				40	12	-3.161	-0.0038	-2.5 to 2.5	Pass	
				50	12	-3.304	-0.0040	-2.5 to 2.5	Pass	
	831.5	75	0	20	10.8	-1.531	-0.0018	-2.5 to 2.5	Pass	
					12	-1.874	-0.0023	-2.5 to 2.5	Pass	
					13.2	-1.459	-0.0018	-2.5 to 2.5	Pass	
				-30	12	-0.801	-0.0010	-2.5 to 2.5	Pass	
				-20	12	-2.832	-0.0034	-2.5 to 2.5	Pass	
				-10	12	-0.587	-0.0007	-2.5 to 2.5	Pass	
				0	12	-1.016	-0.0012	-2.5 to 2.5	Pass	
				10	12	1.159	0.0014	-2.5 to 2.5	Pass	
				30	12	-2.189	-0.0026	-2.5 to 2.5	Pass	
				40	12	1.488	0.0018	-2.5 to 2.5	Pass	
	50	12	-1.373	-0.0017	-2.5 to 2.5	Pass				
	841.5	75	0	20	10.8	0.072	0.0001	-2.5 to 2.5	Pass	
					12	0.315	0.0004	-2.5 to 2.5	Pass	
					13.2	-0.701	-0.0008	-2.5 to 2.5	Pass	
				-30	12	-1.631	-0.0019	-2.5 to 2.5	Pass	
				-20	12	1.702	0.0020	-2.5 to 2.5	Pass	
				-10	12	-0.143	-0.0002	-2.5 to 2.5	Pass	
				0	12	-0.315	-0.0004	-2.5 to 2.5	Pass	
				10	12	-0.658	-0.0008	-2.5 to 2.5	Pass	
				30	12	-1.760	-0.0021	-2.5 to 2.5	Pass	
				40	12	0.887	0.0011	-2.5 to 2.5	Pass	
	50	12	-2.618	-0.0031	-2.5 to 2.5	Pass				
	256QAM	821.5	75	0	20	10.8	-2.232	-0.0027	-2.5 to 2.5	Pass
						12	-3.605	-0.0044	-2.5 to 2.5	Pass
13.2						-2.704	-0.0033	-2.5 to 2.5	Pass	
-30					12	-3.633	-0.0044	-2.5 to 2.5	Pass	
-20					12	-2.074	-0.0025	-2.5 to 2.5	Pass	
-10					12	-3.505	-0.0043	-2.5 to 2.5	Pass	
0					12	-2.661	-0.0032	-2.5 to 2.5	Pass	
10					12	-2.489	-0.0030	-2.5 to 2.5	Pass	
30					12	-3.862	-0.0047	-2.5 to 2.5	Pass	
40					12	-3.748	-0.0046	-2.5 to 2.5	Pass	
50		12	-3.004	-0.0037	-2.5 to 2.5	Pass				
831.5		75	0	20	10.8	-1.616	-0.0019	-2.5 to 2.5	Pass	
					12	-1.330	-0.0016	-2.5 to 2.5	Pass	
					13.2	0.558	0.0007	-2.5 to 2.5	Pass	
				-30	12	-2.418	-0.0029	-2.5 to 2.5	Pass	
				-20	12	-1.073	-0.0013	-2.5 to 2.5	Pass	
				-10	12	-2.961	-0.0036	-2.5 to 2.5	Pass	
				0	12	0.830	0.0010	-2.5 to 2.5	Pass	
				10	12	-0.100	-0.0001	-2.5 to 2.5	Pass	
				30	12	-1.473	-0.0018	-2.5 to 2.5	Pass	
				40	12	0.000	0.0000	-2.5 to 2.5	Pass	
50		12	-0.801	-0.0010	-2.5 to 2.5	Pass				
841.5		75	0	20	10.8	0.930	0.0011	-2.5 to 2.5	Pass	
					12	-0.658	-0.0008	-2.5 to 2.5	Pass	
					13.2	-0.787	-0.0009	-2.5 to 2.5	Pass	
				-30	12	0.072	0.0001	-2.5 to 2.5	Pass	



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				-20	12	0.172	0.0002	-2.5 to 2.5	Pass
				-10	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				0	12	-0.629	-0.0007	-2.5 to 2.5	Pass
				10	12	1.216	0.0014	-2.5 to 2.5	Pass
				30	12	-0.200	-0.0002	-2.5 to 2.5	Pass
				40	12	-1.302	-0.0015	-2.5 to 2.5	Pass
				50	12	-2.317	-0.0028	-2.5 to 2.5	Pass

9. Frequency Stability

9.1 B38_5MHz

9.1.1 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	10.8	2.632	0.0010	-2.5 to 2.5	Pass



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16QAM					12	-1.960	-0.0008	-2.5 to 2.5	Pass
					13.2	1.330	0.0005	-2.5 to 2.5	Pass
				-30	12	4.749	0.0018	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0002	-2.5 to 2.5	Pass
				-10	12	2.975	0.0012	-2.5 to 2.5	Pass
				0	12	2.060	0.0008	-2.5 to 2.5	Pass
				10	12	6.437	0.0025	-2.5 to 2.5	Pass
				30	12	4.292	0.0017	-2.5 to 2.5	Pass
				40	12	1.888	0.0007	-2.5 to 2.5	Pass
				50	12	1.087	0.0004	-2.5 to 2.5	Pass
	2595	25	0	20	10.8	-0.129	0.0000	-2.5 to 2.5	Pass
					12	0.830	0.0003	-2.5 to 2.5	Pass
					13.2	7.668	0.0030	-2.5 to 2.5	Pass
				-30	12	6.194	0.0024	-2.5 to 2.5	Pass
				-20	12	9.012	0.0035	-2.5 to 2.5	Pass
				-10	12	5.336	0.0021	-2.5 to 2.5	Pass
				0	12	10.686	0.0041	-2.5 to 2.5	Pass
				10	12	7.038	0.0027	-2.5 to 2.5	Pass
				30	12	7.539	0.0029	-2.5 to 2.5	Pass
				40	12	7.596	0.0029	-2.5 to 2.5	Pass
	50	12	2.990	0.0012	-2.5 to 2.5	Pass			
	2617.5	25	0	20	10.8	4.206	0.0016	-2.5 to 2.5	Pass
					12	3.533	0.0013	-2.5 to 2.5	Pass
					13.2	4.063	0.0016	-2.5 to 2.5	Pass
				-30	12	0.157	0.0001	-2.5 to 2.5	Pass
				-20	12	4.792	0.0018	-2.5 to 2.5	Pass
				-10	12	1.588	0.0006	-2.5 to 2.5	Pass
				0	12	-0.072	0.0000	-2.5 to 2.5	Pass
				10	12	6.051	0.0023	-2.5 to 2.5	Pass
				30	12	-3.161	-0.0012	-2.5 to 2.5	Pass
				40	12	1.101	0.0004	-2.5 to 2.5	Pass
	50	12	-2.060	-0.0008	-2.5 to 2.5	Pass			
				20	10.8	9.599	0.0037	-2.5 to 2.5	Pass
					12	1.559	0.0006	-2.5 to 2.5	Pass
					13.2	-1.931	-0.0008	-2.5 to 2.5	Pass
				-30	12	-0.658	-0.0003	-2.5 to 2.5	Pass
-20				12	1.259	0.0005	-2.5 to 2.5	Pass	
-10				12	-17.223	-0.0067	-2.5 to 2.5	Pass	
0				12	-4.835	-0.0019	-2.5 to 2.5	Pass	
10				12	2.632	0.0010	-2.5 to 2.5	Pass	
30				12	3.777	0.0015	-2.5 to 2.5	Pass	
40				12	0.973	0.0004	-2.5 to 2.5	Pass	
50	12	-0.300	-0.0001	-2.5 to 2.5	Pass				
2595	25	0	20	10.8	8.869	0.0034	-2.5 to 2.5	Pass	
				12	8.054	0.0031	-2.5 to 2.5	Pass	
				13.2	-0.157	-0.0001	-2.5 to 2.5	Pass	
			-30	12	0.801	0.0003	-2.5 to 2.5	Pass	
			-20	12	6.151	0.0024	-2.5 to 2.5	Pass	
			-10	12	-0.486	-0.0002	-2.5 to 2.5	Pass	
			0	12	-1.602	-0.0006	-2.5 to 2.5	Pass	
			10	12	14.420	0.0056	-2.5 to 2.5	Pass	
			30	12	6.108	0.0024	-2.5 to 2.5	Pass	
			40	12	7.095	0.0027	-2.5 to 2.5	Pass	
50	12	-0.043	0.0000	-2.5 to 2.5	Pass				



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	2617.5	25	0	20	10.8	-1.659	-0.0006	-2.5 to 2.5	Pass
					12	2.189	0.0008	-2.5 to 2.5	Pass
					13.2	3.061	0.0012	-2.5 to 2.5	Pass
				-30	12	5.779	0.0022	-2.5 to 2.5	Pass
				-20	12	5.064	0.0019	-2.5 to 2.5	Pass
				-10	12	4.721	0.0018	-2.5 to 2.5	Pass
				0	12	5.264	0.0020	-2.5 to 2.5	Pass
				10	12	-0.486	-0.0002	-2.5 to 2.5	Pass
				30	12	6.595	0.0025	-2.5 to 2.5	Pass
				40	12	-6.223	-0.0024	-2.5 to 2.5	Pass
64QAM	2572.5	25	0	20	10.8	5.178	0.0020	-2.5 to 2.5	Pass
					12	8.698	0.0034	-2.5 to 2.5	Pass
					13.2	2.646	0.0010	-2.5 to 2.5	Pass
				-30	12	-2.131	-0.0008	-2.5 to 2.5	Pass
				-20	12	0.587	0.0002	-2.5 to 2.5	Pass
				-10	12	5.422	0.0021	-2.5 to 2.5	Pass
				0	12	7.310	0.0028	-2.5 to 2.5	Pass
				10	12	-2.418	-0.0009	-2.5 to 2.5	Pass
				30	12	1.559	0.0006	-2.5 to 2.5	Pass
				40	12	0.687	0.0003	-2.5 to 2.5	Pass
	2595	25	0	20	10.8	4.263	0.0016	-2.5 to 2.5	Pass
					12	8.984	0.0035	-2.5 to 2.5	Pass
					13.2	4.206	0.0016	-2.5 to 2.5	Pass
				-30	12	3.633	0.0014	-2.5 to 2.5	Pass
				-20	12	5.651	0.0022	-2.5 to 2.5	Pass
				-10	12	2.017	0.0008	-2.5 to 2.5	Pass
				0	12	0.086	0.0000	-2.5 to 2.5	Pass
				10	12	-0.944	-0.0004	-2.5 to 2.5	Pass
				30	12	1.731	0.0007	-2.5 to 2.5	Pass
				40	12	5.922	0.0023	-2.5 to 2.5	Pass
	2617.5	25	0	20	10.8	3.433	0.0013	-2.5 to 2.5	Pass
					12	0.558	0.0002	-2.5 to 2.5	Pass
					13.2	4.177	0.0016	-2.5 to 2.5	Pass
				-30	12	1.588	0.0006	-2.5 to 2.5	Pass
				-20	12	-2.217	-0.0008	-2.5 to 2.5	Pass
				-10	12	1.416	0.0005	-2.5 to 2.5	Pass
				0	12	3.848	0.0015	-2.5 to 2.5	Pass
				10	12	2.360	0.0009	-2.5 to 2.5	Pass
				30	12	3.390	0.0013	-2.5 to 2.5	Pass
				40	12	2.832	0.0011	-2.5 to 2.5	Pass
256QAM	2572.5	25	0	20	10.8	3.376	0.0013	-2.5 to 2.5	Pass
					12	1.431	0.0006	-2.5 to 2.5	Pass
					13.2	0.472	0.0002	-2.5 to 2.5	Pass
				-30	12	0.572	0.0002	-2.5 to 2.5	Pass
				-20	12	5.450	0.0021	-2.5 to 2.5	Pass
				-10	12	4.063	0.0016	-2.5 to 2.5	Pass
				0	12	1.988	0.0008	-2.5 to 2.5	Pass
				10	12	-0.072	0.0000	-2.5 to 2.5	Pass
				30	12	2.089	0.0008	-2.5 to 2.5	Pass
				40	12	5.307	0.0021	-2.5 to 2.5	Pass



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	2595	25	0	50	12	2.460	0.0010	-2.5 to 2.5	Pass
				20	10.8	7.153	0.0028	-2.5 to 2.5	Pass
					12	-0.472	-0.0002	-2.5 to 2.5	Pass
					13.2	7.052	0.0027	-2.5 to 2.5	Pass
				-30	12	1.359	0.0005	-2.5 to 2.5	Pass
				-20	12	1.545	0.0006	-2.5 to 2.5	Pass
				-10	12	6.723	0.0026	-2.5 to 2.5	Pass
				0	12	3.805	0.0015	-2.5 to 2.5	Pass
				10	12	1.359	0.0005	-2.5 to 2.5	Pass
				30	12	0.772	0.0003	-2.5 to 2.5	Pass
	2617.5	25	0	40	12	12.259	0.0047	-2.5 to 2.5	Pass
				50	12	-0.615	-0.0002	-2.5 to 2.5	Pass
				20	10.8	0.329	0.0001	-2.5 to 2.5	Pass
					12	2.589	0.0010	-2.5 to 2.5	Pass
					13.2	-3.104	-0.0012	-2.5 to 2.5	Pass
				-30	12	2.990	0.0011	-2.5 to 2.5	Pass
				-20	12	1.273	0.0005	-2.5 to 2.5	Pass
				-10	12	2.418	0.0009	-2.5 to 2.5	Pass
				0	12	5.565	0.0021	-2.5 to 2.5	Pass
				10	12	2.804	0.0011	-2.5 to 2.5	Pass

9.2 B38_10MHz

9.2.1 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	10.8	3.476	0.0013	-2.5 to 2.5	Pass
					12	3.233	0.0013	-2.5 to 2.5	Pass
					13.2	0.815	0.0003	-2.5 to 2.5	Pass
				-30	12	-4.463	-0.0017	-2.5 to 2.5	Pass
				-20	12	1.273	0.0005	-2.5 to 2.5	Pass
				-10	12	5.651	0.0022	-2.5 to 2.5	Pass
				0	12	0.472	0.0002	-2.5 to 2.5	Pass
				10	12	3.119	0.0012	-2.5 to 2.5	Pass
				30	12	2.561	0.0010	-2.5 to 2.5	Pass
				40	12	4.978	0.0019	-2.5 to 2.5	Pass
	2595	50	0	50	12	2.804	0.0011	-2.5 to 2.5	Pass
				20	10.8	2.747	0.0011	-2.5 to 2.5	Pass
					12	4.478	0.0017	-2.5 to 2.5	Pass
					13.2	4.320	0.0017	-2.5 to 2.5	Pass
				-30	12	5.593	0.0022	-2.5 to 2.5	Pass
				-20	12	7.110	0.0027	-2.5 to 2.5	Pass
				-10	12	5.264	0.0020	-2.5 to 2.5	Pass
				0	12	-2.017	-0.0008	-2.5 to 2.5	Pass
				10	12	-1.316	-0.0005	-2.5 to 2.5	Pass
				30	12	6.695	0.0026	-2.5 to 2.5	Pass
				40	12	-0.300	-0.0001	-2.5 to 2.5	Pass



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	2615	50	0	50	12	3.862	0.0015	-2.5 to 2.5	Pass
				20	10.8	-1.173	-0.0004	-2.5 to 2.5	Pass
					12	-1.173	-0.0004	-2.5 to 2.5	Pass
					13.2	-0.629	-0.0002	-2.5 to 2.5	Pass
				-30	12	7.224	0.0028	-2.5 to 2.5	Pass
				-20	12	2.947	0.0011	-2.5 to 2.5	Pass
				-10	12	2.403	0.0009	-2.5 to 2.5	Pass
				0	12	3.219	0.0012	-2.5 to 2.5	Pass
				10	12	3.791	0.0014	-2.5 to 2.5	Pass
				30	12	4.349	0.0017	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	10.8	8.011	0.0031	-2.5 to 2.5	Pass
					12	-1.960	-0.0008	-2.5 to 2.5	Pass
					13.2	0.415	0.0002	-2.5 to 2.5	Pass
				-30	12	6.008	0.0023	-2.5 to 2.5	Pass
				-20	12	2.575	0.0010	-2.5 to 2.5	Pass
				-10	12	3.519	0.0014	-2.5 to 2.5	Pass
				0	12	4.349	0.0017	-2.5 to 2.5	Pass
				10	12	2.403	0.0009	-2.5 to 2.5	Pass
				30	12	4.749	0.0018	-2.5 to 2.5	Pass
				40	12	-0.286	-0.0001	-2.5 to 2.5	Pass
				50	12	7.124	0.0028	-2.5 to 2.5	Pass
	2595	50	0	20	10.8	2.747	0.0011	-2.5 to 2.5	Pass
					12	4.334	0.0017	-2.5 to 2.5	Pass
					13.2	2.589	0.0010	-2.5 to 2.5	Pass
				-30	12	1.802	0.0007	-2.5 to 2.5	Pass
				-20	12	4.392	0.0017	-2.5 to 2.5	Pass
				-10	12	6.480	0.0025	-2.5 to 2.5	Pass
				0	12	3.562	0.0014	-2.5 to 2.5	Pass
				10	12	-0.901	-0.0003	-2.5 to 2.5	Pass
				30	12	-1.345	-0.0005	-2.5 to 2.5	Pass
				40	12	4.177	0.0016	-2.5 to 2.5	Pass
				50	12	2.689	0.0010	-2.5 to 2.5	Pass
	2615	50	0	20	10.8	0.901	0.0003	-2.5 to 2.5	Pass
					12	6.638	0.0025	-2.5 to 2.5	Pass
					13.2	4.950	0.0019	-2.5 to 2.5	Pass
				-30	12	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	12	2.761	0.0011	-2.5 to 2.5	Pass
				-10	12	3.819	0.0015	-2.5 to 2.5	Pass
				0	12	7.610	0.0029	-2.5 to 2.5	Pass
				10	12	6.022	0.0023	-2.5 to 2.5	Pass
				30	12	3.977	0.0015	-2.5 to 2.5	Pass
				40	12	0.658	0.0003	-2.5 to 2.5	Pass
64QAM	2575	50	0	20	10.8	3.877	0.0015	-2.5 to 2.5	Pass
					12	4.864	0.0019	-2.5 to 2.5	Pass
					13.2	0.830	0.0003	-2.5 to 2.5	Pass
				-30	12	-2.189	-0.0009	-2.5 to 2.5	Pass
				-20	12	2.818	0.0011	-2.5 to 2.5	Pass
				-10	12	4.606	0.0018	-2.5 to 2.5	Pass
				0	12	2.446	0.0009	-2.5 to 2.5	Pass
				10	12	1.659	0.0006	-2.5 to 2.5	Pass
				30	12	3.033	0.0012	-2.5 to 2.5	Pass



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	2595	50	0	40	12	1.917	0.0007	-2.5 to 2.5	Pass
				50	12	2.761	0.0011	-2.5 to 2.5	Pass
				20	10.8	-1.717	-0.0007	-2.5 to 2.5	Pass
					12	3.204	0.0012	-2.5 to 2.5	Pass
					13.2	-0.458	-0.0002	-2.5 to 2.5	Pass
				-30	12	1.516	0.0006	-2.5 to 2.5	Pass
				-20	12	3.090	0.0012	-2.5 to 2.5	Pass
				-10	12	1.116	0.0004	-2.5 to 2.5	Pass
				0	12	-0.658	-0.0003	-2.5 to 2.5	Pass
				10	12	1.831	0.0007	-2.5 to 2.5	Pass
				30	12	-0.658	-0.0003	-2.5 to 2.5	Pass
				40	12	2.732	0.0011	-2.5 to 2.5	Pass
				50	12	4.506	0.0017	-2.5 to 2.5	Pass
	2615	50	0	20	10.8	4.921	0.0019	-2.5 to 2.5	Pass
					12	2.332	0.0009	-2.5 to 2.5	Pass
					13.2	5.636	0.0022	-2.5 to 2.5	Pass
				-30	12	-5.279	-0.0020	-2.5 to 2.5	Pass
				-20	12	0.615	0.0002	-2.5 to 2.5	Pass
				-10	12	4.091	0.0016	-2.5 to 2.5	Pass
				0	12	-1.044	-0.0004	-2.5 to 2.5	Pass
				10	12	1.745	0.0007	-2.5 to 2.5	Pass
				30	12	3.161	0.0012	-2.5 to 2.5	Pass
				40	12	10.786	0.0041	-2.5 to 2.5	Pass
				50	12	-0.672	-0.0003	-2.5 to 2.5	Pass
256QAM	2575	50	0	20	10.8	1.273	0.0005	-2.5 to 2.5	Pass
					12	2.117	0.0008	-2.5 to 2.5	Pass
					13.2	3.047	0.0012	-2.5 to 2.5	Pass
				-30	12	0.544	0.0002	-2.5 to 2.5	Pass
				-20	12	5.507	0.0021	-2.5 to 2.5	Pass
				-10	12	-0.901	-0.0003	-2.5 to 2.5	Pass
				0	12	4.807	0.0019	-2.5 to 2.5	Pass
				10	12	2.289	0.0009	-2.5 to 2.5	Pass
				30	12	-5.865	-0.0023	-2.5 to 2.5	Pass
				40	12	6.266	0.0024	-2.5 to 2.5	Pass
				50	12	3.977	0.0015	-2.5 to 2.5	Pass
	2595	50	0	20	10.8	7.453	0.0029	-2.5 to 2.5	Pass
					12	4.020	0.0015	-2.5 to 2.5	Pass
					13.2	0.758	0.0003	-2.5 to 2.5	Pass
				-30	12	5.522	0.0021	-2.5 to 2.5	Pass
				-20	12	3.247	0.0013	-2.5 to 2.5	Pass
				-10	12	1.202	0.0005	-2.5 to 2.5	Pass
				0	12	3.734	0.0014	-2.5 to 2.5	Pass
				10	12	9.542	0.0037	-2.5 to 2.5	Pass
				30	12	7.210	0.0028	-2.5 to 2.5	Pass
				40	12	1.187	0.0005	-2.5 to 2.5	Pass
				50	12	8.883	0.0034	-2.5 to 2.5	Pass
	2615	50	0	20	10.8	2.632	0.0010	-2.5 to 2.5	Pass
					12	2.460	0.0009	-2.5 to 2.5	Pass
					13.2	1.202	0.0005	-2.5 to 2.5	Pass
				-30	12	2.117	0.0008	-2.5 to 2.5	Pass
				-20	12	-3.047	-0.0012	-2.5 to 2.5	Pass
				-10	12	3.691	0.0014	-2.5 to 2.5	Pass
				0	12	5.550	0.0021	-2.5 to 2.5	Pass
				10	12	3.247	0.0012	-2.5 to 2.5	Pass



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				30	12	0.043	0.0000	-2.5 to 2.5	Pass
				40	12	2.103	0.0008	-2.5 to 2.5	Pass
				50	12	0.529	0.0002	-2.5 to 2.5	Pass

9.3 B38_15MHz

9.3.1 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	10.8	3.562	0.0014	-2.5 to 2.5	Pass
					12	2.275	0.0009	-2.5 to 2.5	Pass
					13.2	0.415	0.0002	-2.5 to 2.5	Pass
				-30	12	3.304	0.0013	-2.5 to 2.5	Pass
				-20	12	1.745	0.0007	-2.5 to 2.5	Pass
				-10	12	1.774	0.0007	-2.5 to 2.5	Pass
				0	12	3.119	0.0012	-2.5 to 2.5	Pass
				10	12	2.389	0.0009	-2.5 to 2.5	Pass
				30	12	3.333	0.0013	-2.5 to 2.5	Pass
				40	12	9.012	0.0035	-2.5 to 2.5	Pass
				50	12	4.263	0.0017	-2.5 to 2.5	Pass
	2595	75	0	20	10.8	7.653	0.0029	-2.5 to 2.5	Pass
					12	3.648	0.0014	-2.5 to 2.5	Pass
					13.2	4.735	0.0018	-2.5 to 2.5	Pass
				-30	12	6.323	0.0024	-2.5 to 2.5	Pass
				-20	12	1.545	0.0006	-2.5 to 2.5	Pass
				-10	12	-0.401	-0.0002	-2.5 to 2.5	Pass
				0	12	1.330	0.0005	-2.5 to 2.5	Pass
				10	12	0.086	0.0000	-2.5 to 2.5	Pass
				30	12	4.878	0.0019	-2.5 to 2.5	Pass
				40	12	8.383	0.0032	-2.5 to 2.5	Pass
				50	12	4.048	0.0016	-2.5 to 2.5	Pass
	2612.5	75	0	20	10.8	1.330	0.0005	-2.5 to 2.5	Pass
					12	-1.616	-0.0006	-2.5 to 2.5	Pass
					13.2	4.535	0.0017	-2.5 to 2.5	Pass
				-30	12	2.518	0.0010	-2.5 to 2.5	Pass
				-20	12	5.450	0.0021	-2.5 to 2.5	Pass
				-10	12	0.157	0.0001	-2.5 to 2.5	Pass
				0	12	1.831	0.0007	-2.5 to 2.5	Pass
				10	12	-3.963	-0.0015	-2.5 to 2.5	Pass
				30	12	3.519	0.0013	-2.5 to 2.5	Pass
				40	12	4.992	0.0019	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	10.8	1.845	0.0007	-2.5 to 2.5	Pass
					12	6.108	0.0024	-2.5 to 2.5	Pass
					13.2	6.881	0.0027	-2.5 to 2.5	Pass
				-30	12	4.292	0.0017	-2.5 to 2.5	Pass
				-20	12	4.706	0.0018	-2.5 to 2.5	Pass
				-10	12	5.836	0.0023	-2.5 to 2.5	Pass
				0	12	3.304	0.0013	-2.5 to 2.5	Pass
				10	12	5.536	0.0021	-2.5 to 2.5	Pass



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 0512-57350883 0512-57370914 sgs.china@sgs.com

				30	12	1.845	0.0007	-2.5 to 2.5	Pass
				40	12	9.155	0.0036	-2.5 to 2.5	Pass
				50	12	1.817	0.0007	-2.5 to 2.5	Pass
2595	75	0	20	10.8	7.854	0.0030	-2.5 to 2.5	Pass	Pass
				12	5.808	0.0022	-2.5 to 2.5	Pass	Pass
				13.2	6.094	0.0023	-2.5 to 2.5	Pass	Pass
			-30	12	8.268	0.0032	-2.5 to 2.5	Pass	Pass
			-20	12	10.757	0.0041	-2.5 to 2.5	Pass	Pass
			-10	12	1.674	0.0006	-2.5 to 2.5	Pass	Pass
			0	12	2.661	0.0010	-2.5 to 2.5	Pass	Pass
			10	12	8.597	0.0033	-2.5 to 2.5	Pass	Pass
			30	12	11.029	0.0043	-2.5 to 2.5	Pass	Pass
			40	12	8.669	0.0033	-2.5 to 2.5	Pass	Pass
			50	12	5.522	0.0021	-2.5 to 2.5	Pass	Pass
2612.5	75	0	20	10.8	4.706	0.0018	-2.5 to 2.5	Pass	Pass
				12	1.359	0.0005	-2.5 to 2.5	Pass	Pass
				13.2	-4.163	-0.0016	-2.5 to 2.5	Pass	Pass
			-30	12	-0.715	-0.0003	-2.5 to 2.5	Pass	Pass
			-20	12	2.217	0.0008	-2.5 to 2.5	Pass	Pass
			-10	12	2.704	0.0010	-2.5 to 2.5	Pass	Pass
			0	12	3.777	0.0014	-2.5 to 2.5	Pass	Pass
			10	12	2.131	0.0008	-2.5 to 2.5	Pass	Pass
			30	12	5.422	0.0021	-2.5 to 2.5	Pass	Pass
			40	12	6.480	0.0025	-2.5 to 2.5	Pass	Pass
			50	12	5.407	0.0021	-2.5 to 2.5	Pass	Pass
64QAM	2577.5	75	20	10.8	7.753	0.0030	-2.5 to 2.5	Pass	Pass
				12	3.576	0.0014	-2.5 to 2.5	Pass	Pass
				13.2	-1.674	-0.0006	-2.5 to 2.5	Pass	Pass
			-30	12	6.537	0.0025	-2.5 to 2.5	Pass	Pass
			-20	12	6.380	0.0025	-2.5 to 2.5	Pass	Pass
			-10	12	2.275	0.0009	-2.5 to 2.5	Pass	Pass
			0	12	4.206	0.0016	-2.5 to 2.5	Pass	Pass
			10	12	2.446	0.0009	-2.5 to 2.5	Pass	Pass
			30	12	6.437	0.0025	-2.5 to 2.5	Pass	Pass
			40	12	0.486	0.0002	-2.5 to 2.5	Pass	Pass
			50	12	-1.073	-0.0004	-2.5 to 2.5	Pass	Pass
	2595	75	20	10.8	-2.103	-0.0008	-2.5 to 2.5	Pass	Pass
				12	5.679	0.0022	-2.5 to 2.5	Pass	Pass
				13.2	3.891	0.0015	-2.5 to 2.5	Pass	Pass
			-30	12	1.645	0.0006	-2.5 to 2.5	Pass	Pass
			-20	12	-2.160	-0.0008	-2.5 to 2.5	Pass	Pass
			-10	12	6.952	0.0027	-2.5 to 2.5	Pass	Pass
			0	12	2.217	0.0009	-2.5 to 2.5	Pass	Pass
			10	12	6.609	0.0025	-2.5 to 2.5	Pass	Pass
			30	12	5.350	0.0021	-2.5 to 2.5	Pass	Pass
			40	12	0.715	0.0003	-2.5 to 2.5	Pass	Pass
			50	12	1.388	0.0005	-2.5 to 2.5	Pass	Pass
	2612.5	75	20	10.8	3.347	0.0013	-2.5 to 2.5	Pass	Pass
				12	2.060	0.0008	-2.5 to 2.5	Pass	Pass
				13.2	-2.990	-0.0011	-2.5 to 2.5	Pass	Pass
			-30	12	0.529	0.0002	-2.5 to 2.5	Pass	Pass
			-20	12	5.980	0.0023	-2.5 to 2.5	Pass	Pass
			-10	12	2.360	0.0009	-2.5 to 2.5	Pass	Pass
			0	12	-0.916	-0.0004	-2.5 to 2.5	Pass	Pass



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				10	12	4.406	0.0017	-2.5 to 2.5	Pass
				30	12	-0.386	-0.0001	-2.5 to 2.5	Pass
				40	12	5.550	0.0021	-2.5 to 2.5	Pass
				50	12	2.832	0.0011	-2.5 to 2.5	Pass
256QAM	2577.5	75	0	20	10.8	4.578	0.0018	-2.5 to 2.5	Pass
					12	4.220	0.0016	-2.5 to 2.5	Pass
					13.2	2.017	0.0008	-2.5 to 2.5	Pass
				-30	12	5.579	0.0022	-2.5 to 2.5	Pass
				-20	12	5.207	0.0020	-2.5 to 2.5	Pass
				-10	12	7.124	0.0028	-2.5 to 2.5	Pass
				0	12	5.178	0.0020	-2.5 to 2.5	Pass
				10	12	8.612	0.0033	-2.5 to 2.5	Pass
				30	12	1.559	0.0006	-2.5 to 2.5	Pass
				40	12	3.691	0.0014	-2.5 to 2.5	Pass
				50	12	4.406	0.0017	-2.5 to 2.5	Pass
	2595	75	0	20	10.8	2.661	0.0010	-2.5 to 2.5	Pass
					12	0.715	0.0003	-2.5 to 2.5	Pass
					13.2	4.964	0.0019	-2.5 to 2.5	Pass
				-30	12	5.064	0.0020	-2.5 to 2.5	Pass
				-20	12	-0.801	-0.0003	-2.5 to 2.5	Pass
				-10	12	-1.788	-0.0007	-2.5 to 2.5	Pass
				0	12	2.160	0.0008	-2.5 to 2.5	Pass
				10	12	7.796	0.0030	-2.5 to 2.5	Pass
				30	12	6.037	0.0023	-2.5 to 2.5	Pass
				40	12	6.123	0.0024	-2.5 to 2.5	Pass
				50	12	3.247	0.0013	-2.5 to 2.5	Pass
	2612.5	75	0	20	10.8	4.449	0.0017	-2.5 to 2.5	Pass
					12	-1.116	-0.0004	-2.5 to 2.5	Pass
					13.2	3.762	0.0014	-2.5 to 2.5	Pass
				-30	12	0.358	0.0001	-2.5 to 2.5	Pass
				-20	12	0.629	0.0002	-2.5 to 2.5	Pass
				-10	12	2.904	0.0011	-2.5 to 2.5	Pass
				0	12	-3.505	-0.0013	-2.5 to 2.5	Pass
				10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				30	12	0.844	0.0003	-2.5 to 2.5	Pass
				40	12	8.154	0.0031	-2.5 to 2.5	Pass
				50	12	-0.272	-0.0001	-2.5 to 2.5	Pass

9.4 B38_20MHz

9.4.1 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	10.8	4.478	0.0017	-2.5 to 2.5	Pass
					12	-2.317	-0.0009	-2.5 to 2.5	Pass
					13.2	5.751	0.0022	-2.5 to 2.5	Pass
				-30	12	1.044	0.0004	-2.5 to 2.5	Pass
				-20	12	0.744	0.0003	-2.5 to 2.5	Pass
				-10	12	4.292	0.0017	-2.5 to 2.5	Pass
				0	12	3.119	0.0012	-2.5 to 2.5	Pass



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16QAM				10	12	1.831	0.0007	-2.5 to 2.5	Pass
				30	12	2.260	0.0009	-2.5 to 2.5	Pass
				40	12	1.774	0.0007	-2.5 to 2.5	Pass
				50	12	5.393	0.0021	-2.5 to 2.5	Pass
	2595	100	0	20	10.8	10.486	0.0040	-2.5 to 2.5	Pass
					12	1.187	0.0005	-2.5 to 2.5	Pass
					13.2	1.159	0.0004	-2.5 to 2.5	Pass
				-30	12	13.25	0.0017	-2.5 to 2.5	Pass
				-20	12	4.392	0.0017	-2.5 to 2.5	Pass
				-10	12	0.057	0.0000	-2.5 to 2.5	Pass
				0	12	4.678	0.0018	-2.5 to 2.5	Pass
				10	12	3.119	0.0012	-2.5 to 2.5	Pass
				30	12	0.458	0.0002	-2.5 to 2.5	Pass
				40	12	10.86	0.0013	-2.5 to 2.5	Pass
				50	12	-0.701	-0.0003	-2.5 to 2.5	Pass
	2610	100	0	20	10.8	4.163	0.0016	-2.5 to 2.5	Pass
					12	9.098	0.0035	-2.5 to 2.5	Pass
					13.2	5.865	0.0022	-2.5 to 2.5	Pass
				-30	12	0.043	0.0000	-2.5 to 2.5	Pass
				-20	12	2.990	0.0011	-2.5 to 2.5	Pass
				-10	12	1.931	0.0007	-2.5 to 2.5	Pass
				0	12	8.011	0.0031	-2.5 to 2.5	Pass
				10	12	1.931	0.0007	-2.5 to 2.5	Pass
				30	12	6.180	0.0024	-2.5 to 2.5	Pass
				40	12	3.204	0.0012	-2.5 to 2.5	Pass
				50	12	-2.975	-0.0011	-2.5 to 2.5	Pass
	2580	100	0	20	10.8	-0.343	-0.0001	-2.5 to 2.5	Pass
					12	2.990	0.0012	-2.5 to 2.5	Pass
					13.2	7.195	0.0028	-2.5 to 2.5	Pass
				-30	12	4.735	0.0018	-2.5 to 2.5	Pass
				-20	12	5.364	0.0021	-2.5 to 2.5	Pass
				-10	12	5.422	0.0021	-2.5 to 2.5	Pass
				0	12	5.536	0.0021	-2.5 to 2.5	Pass
				10	12	1.044	0.0004	-2.5 to 2.5	Pass
				30	12	2.232	0.0009	-2.5 to 2.5	Pass
				40	12	3.033	0.0012	-2.5 to 2.5	Pass
				50	12	5.336	0.0021	-2.5 to 2.5	Pass
	2595	100	0	20	10.8	1.659	0.0006	-2.5 to 2.5	Pass
					12	-2.203	-0.0008	-2.5 to 2.5	Pass
					13.2	2.174	0.0008	-2.5 to 2.5	Pass
				-30	12	5.822	0.0022	-2.5 to 2.5	Pass
				-20	12	5.636	0.0022	-2.5 to 2.5	Pass
				-10	12	6.809	0.0026	-2.5 to 2.5	Pass
				0	12	1.774	0.0007	-2.5 to 2.5	Pass
				10	12	3.262	0.0013	-2.5 to 2.5	Pass
				30	12	3.762	0.0014	-2.5 to 2.5	Pass
				40	12	4.406	0.0017	-2.5 to 2.5	Pass
				50	12	0.057	0.0000	-2.5 to 2.5	Pass
	2610	100	0	20	10.8	3.963	0.0015	-2.5 to 2.5	Pass
					12	0.172	0.0001	-2.5 to 2.5	Pass
					13.2	4.034	0.0015	-2.5 to 2.5	Pass
				-30	12	1.230	0.0005	-2.5 to 2.5	Pass
				-20	12	5.422	0.0021	-2.5 to 2.5	Pass
				-10	12	2.789	0.0011	-2.5 to 2.5	Pass



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				0	12	2.303	0.0009	-2.5 to 2.5	Pass			
				10	12	2.918	0.0011	-2.5 to 2.5	Pass			
				30	12	0.973	0.0004	-2.5 to 2.5	Pass			
				40	12	-2.818	-0.0011	-2.5 to 2.5	Pass			
				50	12	-0.501	-0.0002	-2.5 to 2.5	Pass			
64QAM	2580	100	0	20	10.8	5.093	0.0020	-2.5 to 2.5	Pass			
					12	2.847	0.0011	-2.5 to 2.5	Pass			
					13.2	5.236	0.0020	-2.5 to 2.5	Pass			
				-30	12	0.029	0.0000	-2.5 to 2.5	Pass			
				-20	12	2.804	0.0011	-2.5 to 2.5	Pass			
				-10	12	3.948	0.0015	-2.5 to 2.5	Pass			
				0	12	1.416	0.0005	-2.5 to 2.5	Pass			
				10	12	4.292	0.0017	-2.5 to 2.5	Pass			
				30	12	2.804	0.0011	-2.5 to 2.5	Pass			
				40	12	3.262	0.0013	-2.5 to 2.5	Pass			
	50	12	-1.903	-0.0007	-2.5 to 2.5	Pass						
	2595	100	0	20	10.8	3.433	0.0013	-2.5 to 2.5	Pass			
					12	8.755	0.0034	-2.5 to 2.5	Pass			
					13.2	5.608	0.0022	-2.5 to 2.5	Pass			
				-30	12	-2.289	-0.0009	-2.5 to 2.5	Pass			
				-20	12	3.490	0.0013	-2.5 to 2.5	Pass			
				-10	12	6.366	0.0025	-2.5 to 2.5	Pass			
				0	12	-0.157	-0.0001	-2.5 to 2.5	Pass			
				10	12	-0.200	-0.0001	-2.5 to 2.5	Pass			
				30	12	4.363	0.0017	-2.5 to 2.5	Pass			
				40	12	9.112	0.0035	-2.5 to 2.5	Pass			
	50	12	-0.386	-0.0001	-2.5 to 2.5	Pass						
	2610	100	0	20	10.8	8.297	0.0032	-2.5 to 2.5	Pass			
					12	3.333	0.0013	-2.5 to 2.5	Pass			
					13.2	0.658	0.0003	-2.5 to 2.5	Pass			
				-30	12	0.844	0.0003	-2.5 to 2.5	Pass			
				-20	12	2.818	0.0011	-2.5 to 2.5	Pass			
				-10	12	-2.947	-0.0011	-2.5 to 2.5	Pass			
				0	12	5.322	0.0020	-2.5 to 2.5	Pass			
				10	12	4.849	0.0019	-2.5 to 2.5	Pass			
				30	12	2.747	0.0011	-2.5 to 2.5	Pass			
				40	12	4.034	0.0015	-2.5 to 2.5	Pass			
50	12	0.229	0.0001	-2.5 to 2.5	Pass							
256QAM	2580	100	0	20	10.8	5.980	0.0023	-2.5 to 2.5	Pass			
					12	1.802	0.0007	-2.5 to 2.5	Pass			
					13.2	4.334	0.0017	-2.5 to 2.5	Pass			
				-30	12	2.861	0.0011	-2.5 to 2.5	Pass			
				-20	12	4.063	0.0016	-2.5 to 2.5	Pass			
				-10	12	9.127	0.0035	-2.5 to 2.5	Pass			
				0	12	-0.229	-0.0001	-2.5 to 2.5	Pass			
				10	12	2.561	0.0010	-2.5 to 2.5	Pass			
				30	12	-0.386	-0.0001	-2.5 to 2.5	Pass			
				40	12	5.193	0.0020	-2.5 to 2.5	Pass			
	50	12	1.731	0.0007	-2.5 to 2.5	Pass						
	2595	100	0	20	10.8	2.475	0.0010	-2.5 to 2.5	Pass			
					12	2.103	0.0008	-2.5 to 2.5	Pass			
					13.2	1.502	0.0006	-2.5 to 2.5	Pass			
				-30	12	7.954	0.0031	-2.5 to 2.5	Pass			
				-20	12	0.329	0.0001	-2.5 to 2.5	Pass			



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				-10	12	2.646	0.0010	-2.5 to 2.5	Pass
				0	12	6.323	0.0024	-2.5 to 2.5	Pass
				10	12	1.144	0.0004	-2.5 to 2.5	Pass
				30	12	4.592	0.0018	-2.5 to 2.5	Pass
				40	12	3.777	0.0015	-2.5 to 2.5	Pass
				50	12	2.332	0.0009	-2.5 to 2.5	Pass
	2610	100	0	20	10.8	5.264	0.0020	-2.5 to 2.5	Pass
					12	4.148	0.0016	-2.5 to 2.5	Pass
					13.2	2.103	0.0008	-2.5 to 2.5	Pass
				-30	12	4.091	0.0016	-2.5 to 2.5	Pass
				-20	12	3.061	0.0012	-2.5 to 2.5	Pass
				-10	12	4.292	0.0016	-2.5 to 2.5	Pass
				0	12	10.171	0.0039	-2.5 to 2.5	Pass
				10	12	2.975	0.0011	-2.5 to 2.5	Pass
				30	12	4.177	0.0016	-2.5 to 2.5	Pass
				40	12	1.230	0.0005	-2.5 to 2.5	Pass
				50	12	2.503	0.0010	-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	2498.5	25	0	20	10.8	14.533	0.0058	-2.5 to 2.5	Pass
					12	7.310	0.0029	-2.5 to 2.5	Pass
					13.2	5.891	0.0024	-2.5 to 2.5	Pass
				-30	12	10.654	0.0043	-2.5 to 2.5	Pass



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 (86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

16QAM				-20	12	5.972	0.0024	-2.5 to 2.5	Pass
				-10	12	2.315	0.0009	-2.5 to 2.5	Pass
				0	12	-1.415	-0.0006	-2.5 to 2.5	Pass
				10	12	-1.318	-0.0005	-2.5 to 2.5	Pass
				30	12	-1.154	-0.0005	-2.5 to 2.5	Pass
				40	12	-0.957	-0.0004	-2.5 to 2.5	Pass
				50	12	3.829	0.0015	-2.5 to 2.5	Pass
	2593	25	0	20	10.8	8.058	0.0031	-2.5 to 2.5	Pass
					12	-2.065	-0.0008	-2.5 to 2.5	Pass
					13.2	-1.850	-0.0007	-2.5 to 2.5	Pass
				-30	12	0.741	0.0003	-2.5 to 2.5	Pass
				-20	12	-1.974	-0.0008	-2.5 to 2.5	Pass
				-10	12	0.023	0.0000	-2.5 to 2.5	Pass
				0	12	2.835	0.0011	-2.5 to 2.5	Pass
				10	12	2.601	0.0010	-2.5 to 2.5	Pass
				30	12	3.896	0.0015	-2.5 to 2.5	Pass
				40	12	-0.178	-0.0001	-2.5 to 2.5	Pass
				50	12	7.718	0.0030	-2.5 to 2.5	Pass
	2687.5	25	0	20	10.8	5.671	0.0021	-2.5 to 2.5	Pass
					12	0.293	0.0001	-2.5 to 2.5	Pass
					13.2	8.789	0.0033	-2.5 to 2.5	Pass
				-30	12	0.095	0.0000	-2.5 to 2.5	Pass
				-20	12	7.678	0.0029	-2.5 to 2.5	Pass
				-10	12	3.073	0.0011	-2.5 to 2.5	Pass
				0	12	6.059	0.0023	-2.5 to 2.5	Pass
				10	12	-3.604	-0.0013	-2.5 to 2.5	Pass
				30	12	7.488	0.0028	-2.5 to 2.5	Pass
				40	12	-1.270	-0.0005	-2.5 to 2.5	Pass
				50	12	-2.594	-0.0010	-2.5 to 2.5	Pass
	2498.5	25	0	20	10.8	-0.212	-0.0001	-2.5 to 2.5	Pass
					12	11.293	0.0045	-2.5 to 2.5	Pass
					13.2	0.335	0.0001	-2.5 to 2.5	Pass
				-30	12	1.962	0.0008	-2.5 to 2.5	Pass
				-20	12	-4.385	-0.0018	-2.5 to 2.5	Pass
				-10	12	-4.264	-0.0017	-2.5 to 2.5	Pass
				0	12	-0.473	-0.0002	-2.5 to 2.5	Pass
				10	12	-2.531	-0.0010	-2.5 to 2.5	Pass
				30	12	-2.404	-0.0010	-2.5 to 2.5	Pass
				40	12	0.817	0.0003	-2.5 to 2.5	Pass
				50	12	1.618	0.0006	-2.5 to 2.5	Pass
	2593	25	0	20	10.8	-4.508	-0.0017	-2.5 to 2.5	Pass
					12	-4.472	-0.0017	-2.5 to 2.5	Pass
					13.2	2.541	0.0010	-2.5 to 2.5	Pass
				-30	12	-1.717	-0.0007	-2.5 to 2.5	Pass
				-20	12	6.686	0.0026	-2.5 to 2.5	Pass
				-10	12	-0.043	0.0000	-2.5 to 2.5	Pass
				0	12	5.500	0.0021	-2.5 to 2.5	Pass
				10	12	-2.544	-0.0010	-2.5 to 2.5	Pass
				30	12	2.928	0.0011	-2.5 to 2.5	Pass
				40	12	2.593	0.0010	-2.5 to 2.5	Pass
				50	12	3.935	0.0015	-2.5 to 2.5	Pass
	2687.5	25	0	20	10.8	-5.075	-0.0019	-2.5 to 2.5	Pass
					12	-4.081	-0.0015	-2.5 to 2.5	Pass
					13.2	16.420	0.0061	-2.5 to 2.5	Pass



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64QAM	2498.5	25	0	-30	12	0.982	0.0004	-2.5 to 2.5	Pass
				-20	12	1.273	0.0005	-2.5 to 2.5	Pass
				-10	12	-3.968	-0.0015	-2.5 to 2.5	Pass
				0	12	1.083	0.0004	-2.5 to 2.5	Pass
				10	12	2.038	0.0008	-2.5 to 2.5	Pass
				30	12	-0.469	-0.0002	-2.5 to 2.5	Pass
				40	12	-7.535	-0.0028	-2.5 to 2.5	Pass
				50	12	3.990	0.0015	-2.5 to 2.5	Pass
				20	10.8	8.566	0.0034	-2.5 to 2.5	Pass
					12	9.211	0.0037	-2.5 to 2.5	Pass
					13.2	6.015	0.0024	-2.5 to 2.5	Pass
				-30	12	10.905	0.0044	-2.5 to 2.5	Pass
				-20	12	9.352	0.0037	-2.5 to 2.5	Pass
				-10	12	2.329	0.0009	-2.5 to 2.5	Pass
				0	12	10.200	0.0041	-2.5 to 2.5	Pass
				10	12	-0.433	-0.0002	-2.5 to 2.5	Pass
				30	12	0.079	0.0000	-2.5 to 2.5	Pass
				40	12	3.915	0.0016	-2.5 to 2.5	Pass
				50	12	6.121	0.0024	-2.5 to 2.5	Pass
64QAM	2593	25	0	20	10.8	0.605	0.0002	-2.5 to 2.5	Pass
					12	-0.597	-0.0002	-2.5 to 2.5	Pass
					13.2	-3.837	-0.0015	-2.5 to 2.5	Pass
				-30	12	-1.623	-0.0006	-2.5 to 2.5	Pass
				-20	12	-3.096	-0.0012	-2.5 to 2.5	Pass
				-10	12	4.447	0.0017	-2.5 to 2.5	Pass
				0	12	3.137	0.0012	-2.5 to 2.5	Pass
				10	12	7.536	0.0029	-2.5 to 2.5	Pass
				30	12	3.820	0.0015	-2.5 to 2.5	Pass
				40	12	-6.437	-0.0025	-2.5 to 2.5	Pass
				50	12	2.124	0.0008	-2.5 to 2.5	Pass
	2687.5	25	0	20	10.8	-1.577	-0.0006	-2.5 to 2.5	Pass
					12	-5.314	-0.0020	-2.5 to 2.5	Pass
					13.2	-2.539	-0.0009	-2.5 to 2.5	Pass
				-30	12	1.942	0.0007	-2.5 to 2.5	Pass
				-20	12	-0.309	-0.0001	-2.5 to 2.5	Pass
				-10	12	0.767	0.0003	-2.5 to 2.5	Pass
				0	12	1.763	0.0007	-2.5 to 2.5	Pass
				10	12	2.317	0.0009	-2.5 to 2.5	Pass
				30	12	2.956	0.0011	-2.5 to 2.5	Pass
				40	12	3.478	0.0013	-2.5 to 2.5	Pass
				50	12	5.412	0.0020	-2.5 to 2.5	Pass
256QAM	2498.5	25	0	20	10.8	7.657	0.0031	-2.5 to 2.5	Pass
					12	-0.515	-0.0002	-2.5 to 2.5	Pass
					13.2	7.915	0.0032	-2.5 to 2.5	Pass
				-30	12	-2.315	-0.0009	-2.5 to 2.5	Pass
				-20	12	4.340	0.0017	-2.5 to 2.5	Pass
				-10	12	2.188	0.0009	-2.5 to 2.5	Pass
				0	12	-0.232	-0.0001	-2.5 to 2.5	Pass
				10	12	2.036	0.0008	-2.5 to 2.5	Pass
				30	12	4.774	0.0019	-2.5 to 2.5	Pass
				40	12	-1.872	-0.0007	-2.5 to 2.5	Pass
				50	12	-2.208	-0.0009	-2.5 to 2.5	Pass
	2593	25	0	20	10.8	1.246	0.0005	-2.5 to 2.5	Pass
					12	4.814	0.0019	-2.5 to 2.5	Pass



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					13.2	-0.796	-0.0003	-2.5 to 2.5	Pass
				-30	12	5.204	0.0020	-2.5 to 2.5	Pass
				-20	12	-5.630	-0.0022	-2.5 to 2.5	Pass
				-10	12	1.500	0.0006	-2.5 to 2.5	Pass
				0	12	3.242	0.0013	-2.5 to 2.5	Pass
				10	12	0.624	0.0002	-2.5 to 2.5	Pass
				30	12	1.710	0.0007	-2.5 to 2.5	Pass
				40	12	4.725	0.0018	-2.5 to 2.5	Pass
	50	12	1.262	0.0005	-2.5 to 2.5	Pass			
	2687.5	25	0	20	10.8	-3.409	-0.0013	-2.5 to 2.5	Pass
					12	3.301	0.0012	-2.5 to 2.5	Pass
					13.2	5.471	0.0020	-2.5 to 2.5	Pass
				-30	12	-6.154	-0.0023	-2.5 to 2.5	Pass
				-20	12	11.682	0.0043	-2.5 to 2.5	Pass
				-10	12	8.228	0.0031	-2.5 to 2.5	Pass
				0	12	10.801	0.0040	-2.5 to 2.5	Pass
				10	12	1.726	0.0006	-2.5 to 2.5	Pass
				30	12	0.929	0.0003	-2.5 to 2.5	Pass
				40	12	-0.495	-0.0002	-2.5 to 2.5	Pass
50				12	-5.674	-0.0021	-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	2501	50	0	20	10.8	-0.458	-0.0002	-2.5 to 2.5	Pass
					12	-0.122	0.0000	-2.5 to 2.5	Pass
					13.2	-7.385	-0.0030	-2.5 to 2.5	Pass
				-30	12	-0.605	-0.0002	-2.5 to 2.5	Pass
				-20	12	-0.575	-0.0002	-2.5 to 2.5	Pass
				-10	12	1.818	0.0007	-2.5 to 2.5	Pass
				0	12	-0.570	-0.0002	-2.5 to 2.5	Pass
				10	12	5.524	0.0022	-2.5 to 2.5	Pass
				30	12	2.103	0.0008	-2.5 to 2.5	Pass
				40	12	3.956	0.0016	-2.5 to 2.5	Pass
	50	12	8.742	0.0035	-2.5 to 2.5	Pass			
	2593	50	0	20	10.8	-2.601	-0.0010	-2.5 to 2.5	Pass
					12	3.493	0.0013	-2.5 to 2.5	Pass
					13.2	0.154	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.274	-0.0001	-2.5 to 2.5	Pass
				-20	12	6.272	0.0024	-2.5 to 2.5	Pass
				-10	12	6.573	0.0025	-2.5 to 2.5	Pass
				0	12	0.765	0.0003	-2.5 to 2.5	Pass
				10	12	1.601	0.0006	-2.5 to 2.5	Pass
				30	12	-1.967	-0.0008	-2.5 to 2.5	Pass
				40	12	6.476	0.0025	-2.5 to 2.5	Pass
	50	12	2.301	0.0009	-2.5 to 2.5	Pass			
	2685	50	0	20	10.8	5.398	0.0020	-2.5 to 2.5	Pass
					12	2.045	0.0008	-2.5 to 2.5	Pass



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					13.2	8.435	0.0031	-2.5 to 2.5	Pass
				-30	12	5.694	0.0021	-2.5 to 2.5	Pass
				-20	12	4.925	0.0018	-2.5 to 2.5	Pass
				-10	12	-0.125	0.0000	-2.5 to 2.5	Pass
				0	12	5.381	0.0020	-2.5 to 2.5	Pass
				10	12	-0.858	-0.0003	-2.5 to 2.5	Pass
				30	12	3.071	0.0011	-2.5 to 2.5	Pass
				40	12	4.324	0.0016	-2.5 to 2.5	Pass
				50	12	0.117	0.0000	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	10.8	7.846	0.0031	-2.5 to 2.5	Pass
					12	5.368	0.0021	-2.5 to 2.5	Pass
					13.2	5.573	0.0022	-2.5 to 2.5	Pass
				-30	12	2.453	0.0010	-2.5 to 2.5	Pass
				-20	12	0.753	0.0003	-2.5 to 2.5	Pass
				-10	12	-2.106	-0.0008	-2.5 to 2.5	Pass
				0	12	-1.273	-0.0005	-2.5 to 2.5	Pass
				10	12	7.710	0.0031	-2.5 to 2.5	Pass
				30	12	3.720	0.0015	-2.5 to 2.5	Pass
				40	12	5.808	0.0023	-2.5 to 2.5	Pass
	2593	50	0	50	12	7.613	0.0030	-2.5 to 2.5	Pass
				20	10.8	7.361	0.0028	-2.5 to 2.5	Pass
					12	0.481	0.0002	-2.5 to 2.5	Pass
					13.2	2.753	0.0011	-2.5 to 2.5	Pass
				-30	12	3.929	0.0015	-2.5 to 2.5	Pass
				-20	12	2.600	0.0010	-2.5 to 2.5	Pass
				-10	12	-2.116	-0.0008	-2.5 to 2.5	Pass
				0	12	6.714	0.0026	-2.5 to 2.5	Pass
				10	12	10.634	0.0041	-2.5 to 2.5	Pass
				30	12	4.685	0.0018	-2.5 to 2.5	Pass
				40	12	-5.608	-0.0022	-2.5 to 2.5	Pass
64QAM	2501	50	0	50	12	10.129	0.0039	-2.5 to 2.5	Pass
				20	10.8	-6.398	-0.0024	-2.5 to 2.5	Pass
					12	-0.782	-0.0003	-2.5 to 2.5	Pass
					13.2	0.596	0.0002	-2.5 to 2.5	Pass
				-30	12	-3.077	-0.0011	-2.5 to 2.5	Pass
				-20	12	2.135	0.0008	-2.5 to 2.5	Pass
				-10	12	-2.017	-0.0008	-2.5 to 2.5	Pass
				0	12	3.064	0.0011	-2.5 to 2.5	Pass
				10	12	2.738	0.0010	-2.5 to 2.5	Pass
				30	12	4.821	0.0018	-2.5 to 2.5	Pass
	2593	50	0	40	12	5.701	0.0021	-2.5 to 2.5	Pass
				50	12	5.327	0.0020	-2.5 to 2.5	Pass
				20	10.8	0.350	0.0001	-2.5 to 2.5	Pass
					12	1.215	0.0005	-2.5 to 2.5	Pass
					13.2	1.378	0.0006	-2.5 to 2.5	Pass
				-30	12	5.103	0.0020	-2.5 to 2.5	Pass
				-20	12	3.868	0.0015	-2.5 to 2.5	Pass
				-10	12	0.687	0.0003	-2.5 to 2.5	Pass
				0	12	2.685	0.0011	-2.5 to 2.5	Pass
				10	12	0.474	0.0002	-2.5 to 2.5	Pass
				30	12	-1.710	-0.0007	-2.5 to 2.5	Pass
				40	12	-7.896	-0.0032	-2.5 to 2.5	Pass
				50	12	13.187	0.0053	-2.5 to 2.5	Pass
	2593	50	0	20	10.8	1.438	0.0006	-2.5 to 2.5	Pass



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256QAM	2685	50	0		12	4.466	0.0017	-2.5 to 2.5	Pass
					13.2	6.099	0.0024	-2.5 to 2.5	Pass
				-30	12	-1.087	-0.0004	-2.5 to 2.5	Pass
				-20	12	0.844	0.0003	-2.5 to 2.5	Pass
				-10	12	0.851	0.0003	-2.5 to 2.5	Pass
				0	12	6.582	0.0025	-2.5 to 2.5	Pass
				10	12	5.581	0.0022	-2.5 to 2.5	Pass
				30	12	-3.267	-0.0013	-2.5 to 2.5	Pass
				40	12	-0.152	-0.0001	-2.5 to 2.5	Pass
				50	12	3.768	0.0015	-2.5 to 2.5	Pass
				20	10.8	4.355	0.0016	-2.5 to 2.5	Pass
					12	10.253	0.0038	-2.5 to 2.5	Pass
					13.2	-2.451	-0.0009	-2.5 to 2.5	Pass
				-30	12	-0.276	-0.0001	-2.5 to 2.5	Pass
				-20	12	3.668	0.0014	-2.5 to 2.5	Pass
				-10	12	7.538	0.0028	-2.5 to 2.5	Pass
				0	12	-0.272	-0.0001	-2.5 to 2.5	Pass
				10	12	-0.076	0.0000	-2.5 to 2.5	Pass
				30	12	0.989	0.0004	-2.5 to 2.5	Pass
				40	12	2.217	0.0008	-2.5 to 2.5	Pass
				50	12	0.438	0.0002	-2.5 to 2.5	Pass
256QAM	2501	50	0	20	10.8	7.998	0.0032	-2.5 to 2.5	Pass
					12	4.519	0.0018	-2.5 to 2.5	Pass
					13.2	-0.133	-0.0001	-2.5 to 2.5	Pass
				-30	12	3.096	0.0012	-2.5 to 2.5	Pass
				-20	12	1.159	0.0005	-2.5 to 2.5	Pass
				-10	12	1.493	0.0006	-2.5 to 2.5	Pass
				0	12	-3.653	-0.0015	-2.5 to 2.5	Pass
				10	12	7.112	0.0028	-2.5 to 2.5	Pass
				30	12	3.673	0.0015	-2.5 to 2.5	Pass
				40	12	6.177	0.0025	-2.5 to 2.5	Pass
				50	12	-6.459	-0.0026	-2.5 to 2.5	Pass
	2593	50	0	20	10.8	-0.044	0.0000	-2.5 to 2.5	Pass
					12	7.952	0.0031	-2.5 to 2.5	Pass
					13.2	0.885	0.0003	-2.5 to 2.5	Pass
				-30	12	0.205	0.0001	-2.5 to 2.5	Pass
				-20	12	-0.564	-0.0002	-2.5 to 2.5	Pass
				-10	12	12.292	0.0047	-2.5 to 2.5	Pass
				0	12	1.745	0.0007	-2.5 to 2.5	Pass
				10	12	5.657	0.0022	-2.5 to 2.5	Pass
				30	12	-2.077	-0.0008	-2.5 to 2.5	Pass
				40	12	-3.177	-0.0012	-2.5 to 2.5	Pass
				50	12	1.056	0.0004	-2.5 to 2.5	Pass
	2685	50	0	20	10.8	-0.125	0.0000	-2.5 to 2.5	Pass
					12	9.127	0.0034	-2.5 to 2.5	Pass
					13.2	6.575	0.0024	-2.5 to 2.5	Pass
				-30	12	2.091	0.0008	-2.5 to 2.5	Pass
				-20	12	3.510	0.0013	-2.5 to 2.5	Pass
				-10	12	2.055	0.0008	-2.5 to 2.5	Pass
				0	12	9.655	0.0036	-2.5 to 2.5	Pass
				10	12	5.510	0.0021	-2.5 to 2.5	Pass
				30	12	1.902	0.0007	-2.5 to 2.5	Pass
				40	12	3.953	0.0015	-2.5 to 2.5	Pass
				50	12	11.367	0.0042	-2.5 to 2.5	Pass



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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	2503.5	75	0	20	10.8	-2.251	-0.0009	-2.5 to 2.5	Pass
					12	10.656	0.0043	-2.5 to 2.5	Pass
					13.2	-1.214	-0.0005	-2.5 to 2.5	Pass
				-30	12	5.107	0.0020	-2.5 to 2.5	Pass
				-20	12	-8.523	-0.0034	-2.5 to 2.5	Pass
				-10	12	2.945	0.0012	-2.5 to 2.5	Pass
				0	12	5.693	0.0023	-2.5 to 2.5	Pass
				10	12	2.353	0.0009	-2.5 to 2.5	Pass
				30	12	1.232	0.0005	-2.5 to 2.5	Pass
				40	12	5.409	0.0022	-2.5 to 2.5	Pass
				50	12	5.798	0.0023	-2.5 to 2.5	Pass
				2593	75	0	20	10.8	0.583
	12	4.016	0.0015					-2.5 to 2.5	Pass
	13.2	1.652	0.0006					-2.5 to 2.5	Pass
	-30	12	2.234				0.0009	-2.5 to 2.5	Pass
	-20	12	-2.310				-0.0009	-2.5 to 2.5	Pass
	-10	12	-3.212				-0.0012	-2.5 to 2.5	Pass
	0	12	-7.345				-0.0028	-2.5 to 2.5	Pass
	10	12	1.025				0.0004	-2.5 to 2.5	Pass
	30	12	-2.047				-0.0008	-2.5 to 2.5	Pass
	40	12	2.404				0.0009	-2.5 to 2.5	Pass
	50	12	-0.321				-0.0001	-2.5 to 2.5	Pass
	2682.5	75	0				20	10.8	5.084
				12	4.587	0.0017		-2.5 to 2.5	Pass
				13.2	4.584	0.0017		-2.5 to 2.5	Pass
				-30	12	-2.831	-0.0011	-2.5 to 2.5	Pass
				-20	12	3.062	0.0011	-2.5 to 2.5	Pass
				-10	12	-1.149	-0.0004	-2.5 to 2.5	Pass
				0	12	2.186	0.0008	-2.5 to 2.5	Pass
				10	12	5.324	0.0020	-2.5 to 2.5	Pass
				30	12	1.440	0.0005	-2.5 to 2.5	Pass
				40	12	-2.849	-0.0011	-2.5 to 2.5	Pass
				50	12	4.666	0.0017	-2.5 to 2.5	Pass
16QAM				2503.5	75	0	20	10.8	2.559
	12	10.374	0.0041					-2.5 to 2.5	Pass
	13.2	6.491	0.0026					-2.5 to 2.5	Pass
	-30	12	4.108				0.0016	-2.5 to 2.5	Pass
	-20	12	6.068				0.0024	-2.5 to 2.5	Pass
	-10	12	3.995				0.0016	-2.5 to 2.5	Pass
	0	12	-0.191				-0.0001	-2.5 to 2.5	Pass
	10	12	0.945				0.0004	-2.5 to 2.5	Pass
	30	12	5.715				0.0023	-2.5 to 2.5	Pass
	40	12	-2.039				-0.0008	-2.5 to 2.5	Pass
	50	12	-2.864				-0.0011	-2.5 to 2.5	Pass



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	2593	75	0	20	10.8	0.363	0.0001	-2.5 to 2.5	Pass
					12	0.288	0.0001	-2.5 to 2.5	Pass
					13.2	-5.518	-0.0021	-2.5 to 2.5	Pass
				-30	12	-3.661	-0.0014	-2.5 to 2.5	Pass
				-20	12	-1.086	-0.0004	-2.5 to 2.5	Pass
				-10	12	6.898	0.0027	-2.5 to 2.5	Pass
				0	12	-3.116	-0.0012	-2.5 to 2.5	Pass
				10	12	-1.896	-0.0007	-2.5 to 2.5	Pass
				30	12	-2.903	-0.0011	-2.5 to 2.5	Pass
				40	12	2.114	0.0008	-2.5 to 2.5	Pass
	50	12	4.314	0.0017	-2.5 to 2.5	Pass			
	2682.5	75	0	20	10.8	-4.666	-0.0017	-2.5 to 2.5	Pass
					12	6.538	0.0024	-2.5 to 2.5	Pass
					13.2	8.624	0.0032	-2.5 to 2.5	Pass
				-30	12	4.567	0.0017	-2.5 to 2.5	Pass
				-20	12	5.831	0.0022	-2.5 to 2.5	Pass
				-10	12	-2.785	-0.0010	-2.5 to 2.5	Pass
				0	12	2.174	0.0008	-2.5 to 2.5	Pass
				10	12	2.539	0.0009	-2.5 to 2.5	Pass
				30	12	5.435	0.0020	-2.5 to 2.5	Pass
40				12	9.493	0.0035	-2.5 to 2.5	Pass	
50	12	8.729	0.0033	-2.5 to 2.5	Pass				
64QAM	2503.5	75	0	20	10.8	6.291	0.0025	-2.5 to 2.5	Pass
					12	6.745	0.0027	-2.5 to 2.5	Pass
					13.2	7.234	0.0029	-2.5 to 2.5	Pass
				-30	12	1.849	0.0007	-2.5 to 2.5	Pass
				-20	12	7.704	0.0031	-2.5 to 2.5	Pass
				-10	12	4.672	0.0019	-2.5 to 2.5	Pass
				0	12	0.479	0.0002	-2.5 to 2.5	Pass
				10	12	3.323	0.0013	-2.5 to 2.5	Pass
				30	12	5.689	0.0023	-2.5 to 2.5	Pass
				40	12	-1.287	-0.0005	-2.5 to 2.5	Pass
	50	12	1.763	0.0007	-2.5 to 2.5	Pass			
	2593	75	0	20	10.8	-0.226	-0.0001	-2.5 to 2.5	Pass
					12	-2.444	-0.0009	-2.5 to 2.5	Pass
					13.2	2.325	0.0009	-2.5 to 2.5	Pass
				-30	12	-0.925	-0.0004	-2.5 to 2.5	Pass
				-20	12	4.126	0.0016	-2.5 to 2.5	Pass
				-10	12	-1.470	-0.0006	-2.5 to 2.5	Pass
				0	12	-0.241	-0.0001	-2.5 to 2.5	Pass
				10	12	-0.566	-0.0002	-2.5 to 2.5	Pass
				30	12	4.992	0.0019	-2.5 to 2.5	Pass
				40	12	3.759	0.0014	-2.5 to 2.5	Pass
	50	12	0.413	0.0002	-2.5 to 2.5	Pass			
	2682.5	75	0	20	10.8	1.220	0.0005	-2.5 to 2.5	Pass
					12	2.222	0.0008	-2.5 to 2.5	Pass
					13.2	-1.054	-0.0004	-2.5 to 2.5	Pass
				-30	12	4.468	0.0017	-2.5 to 2.5	Pass
				-20	12	6.020	0.0022	-2.5 to 2.5	Pass
				-10	12	-3.283	-0.0012	-2.5 to 2.5	Pass
				0	12	-5.937	-0.0022	-2.5 to 2.5	Pass
				10	12	6.964	0.0026	-2.5 to 2.5	Pass
30				12	2.528	0.0009	-2.5 to 2.5	Pass	
40				12	-2.996	-0.0011	-2.5 to 2.5	Pass	



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256QAM	2503.5	75	0	50	12	11.183	0.0042	-2.5 to 2.5	Pass
				20	10.8	8.933	0.0036	-2.5 to 2.5	Pass
					12	0.386	0.0002	-2.5 to 2.5	Pass
					13.2	3.626	0.0014	-2.5 to 2.5	Pass
				-30	12	9.824	0.0039	-2.5 to 2.5	Pass
				-20	12	-0.373	-0.0001	-2.5 to 2.5	Pass
				-10	12	5.720	0.0023	-2.5 to 2.5	Pass
				0	12	4.956	0.0020	-2.5 to 2.5	Pass
				10	12	3.965	0.0016	-2.5 to 2.5	Pass
				30	12	2.856	0.0011	-2.5 to 2.5	Pass
	2593	75	0	40	12	7.273	0.0029	-2.5 to 2.5	Pass
				50	12	2.481	0.0010	-2.5 to 2.5	Pass
				20	10.8	4.976	0.0019	-2.5 to 2.5	Pass
					12	-1.149	-0.0004	-2.5 to 2.5	Pass
					13.2	4.569	0.0018	-2.5 to 2.5	Pass
				-30	12	-2.503	-0.0010	-2.5 to 2.5	Pass
				-20	12	0.006	0.0000	-2.5 to 2.5	Pass
				-10	12	7.371	0.0028	-2.5 to 2.5	Pass
				0	12	-4.338	-0.0017	-2.5 to 2.5	Pass
				10	12	-11.702	-0.0045	-2.5 to 2.5	Pass
	2682.5	75	0	30	12	6.007	0.0023	-2.5 to 2.5	Pass
				40	12	-0.267	-0.0001	-2.5 to 2.5	Pass
				50	12	-3.608	-0.0014	-2.5 to 2.5	Pass
				20	10.8	1.567	0.0006	-2.5 to 2.5	Pass
					12	-1.719	-0.0006	-2.5 to 2.5	Pass
					13.2	-1.466	-0.0005	-2.5 to 2.5	Pass
				-30	12	-2.576	-0.0010	-2.5 to 2.5	Pass
				-20	12	4.337	0.0016	-2.5 to 2.5	Pass
				-10	12	-2.688	-0.0010	-2.5 to 2.5	Pass
				0	12	3.033	0.0011	-2.5 to 2.5	Pass
				10	12	2.193	0.0008	-2.5 to 2.5	Pass
				30	12	4.874	0.0018	-2.5 to 2.5	Pass
				40	12	-3.535	-0.0013	-2.5 to 2.5	Pass
				50	12	3.369	0.0013	-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	2506	100	0	20	10.8	-0.954	-0.0004	-2.5 to 2.5	Pass
					12	7.673	0.0031	-2.5 to 2.5	Pass
					13.2	1.134	0.0005	-2.5 to 2.5	Pass
				-30	12	0.108	0.0000	-2.5 to 2.5	Pass
				-20	12	-1.624	-0.0006	-2.5 to 2.5	Pass
				-10	12	6.075	0.0024	-2.5 to 2.5	Pass
				0	12	-0.276	-0.0001	-2.5 to 2.5	Pass
				10	12	7.933	0.0032	-2.5 to 2.5	Pass
				30	12	7.863	0.0031	-2.5 to 2.5	Pass
				40	12	3.687	0.0015	-2.5 to 2.5	Pass



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	2593	100	0	50	12	8.430	0.0034	-2.5 to 2.5	Pass
				20	10.8	0.661	0.0003	-2.5 to 2.5	Pass
					12	-0.005	0.0000	-2.5 to 2.5	Pass
					13.2	1.353	0.0005	-2.5 to 2.5	Pass
				-30	12	3.756	0.0014	-2.5 to 2.5	Pass
				-20	12	7.679	0.0030	-2.5 to 2.5	Pass
				-10	12	4.739	0.0018	-2.5 to 2.5	Pass
				0	12	-3.247	-0.0013	-2.5 to 2.5	Pass
				10	12	2.594	0.0010	-2.5 to 2.5	Pass
				30	12	2.870	0.0011	-2.5 to 2.5	Pass
	2680	100	0	40	12	-0.006	0.0000	-2.5 to 2.5	Pass
				50	12	-1.929	-0.0007	-2.5 to 2.5	Pass
				20	10.8	-3.740	-0.0014	-2.5 to 2.5	Pass
					12	1.861	0.0007	-2.5 to 2.5	Pass
					13.2	7.502	0.0028	-2.5 to 2.5	Pass
				-30	12	-1.508	-0.0006	-2.5 to 2.5	Pass
				-20	12	2.848	0.0011	-2.5 to 2.5	Pass
				-10	12	6.425	0.0024	-2.5 to 2.5	Pass
				0	12	1.816	0.0007	-2.5 to 2.5	Pass
				10	12	9.019	0.0034	-2.5 to 2.5	Pass
16QAM	2506	100	0	30	12	4.061	0.0015	-2.5 to 2.5	Pass
				40	12	6.106	0.0023	-2.5 to 2.5	Pass
				50	12	-1.649	-0.0006	-2.5 to 2.5	Pass
				20	10.8	4.166	0.0017	-2.5 to 2.5	Pass
					12	3.808	0.0015	-2.5 to 2.5	Pass
					13.2	1.366	0.0005	-2.5 to 2.5	Pass
				-30	12	0.574	0.0002	-2.5 to 2.5	Pass
				-20	12	-1.841	-0.0007	-2.5 to 2.5	Pass
				-10	12	-5.595	-0.0022	-2.5 to 2.5	Pass
				0	12	-0.158	-0.0001	-2.5 to 2.5	Pass
	2593	100	0	10	12	3.794	0.0015	-2.5 to 2.5	Pass
				30	12	2.982	0.0012	-2.5 to 2.5	Pass
				40	12	5.509	0.0022	-2.5 to 2.5	Pass
				50	12	3.162	0.0013	-2.5 to 2.5	Pass
				20	10.8	9.303	0.0036	-2.5 to 2.5	Pass
					12	1.440	0.0006	-2.5 to 2.5	Pass
					13.2	9.457	0.0036	-2.5 to 2.5	Pass
				-30	12	-0.390	-0.0002	-2.5 to 2.5	Pass
				-20	12	1.876	0.0007	-2.5 to 2.5	Pass
				-10	12	10.667	0.0041	-2.5 to 2.5	Pass
	2680	100	0	0	12	3.944	0.0015	-2.5 to 2.5	Pass
				10	12	5.262	0.0020	-2.5 to 2.5	Pass
				30	12	1.064	0.0004	-2.5 to 2.5	Pass
				40	12	-1.010	-0.0004	-2.5 to 2.5	Pass
				50	12	0.334	0.0001	-2.5 to 2.5	Pass
				20	10.8	-2.219	-0.0008	-2.5 to 2.5	Pass
					12	-0.677	-0.0003	-2.5 to 2.5	Pass
					13.2	-3.743	-0.0014	-2.5 to 2.5	Pass
				-30	12	2.482	0.0009	-2.5 to 2.5	Pass
				-20	12	8.908	0.0033	-2.5 to 2.5	Pass
				-10	12	6.660	0.0025	-2.5 to 2.5	Pass
				0	12	-3.325	-0.0012	-2.5 to 2.5	Pass
				10	12	9.708	0.0036	-2.5 to 2.5	Pass
				30	12	-2.215	-0.0008	-2.5 to 2.5	Pass



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				40	12	1.590	0.0006	-2.5 to 2.5	Pass
				50	12	-0.849	-0.0003	-2.5 to 2.5	Pass
64QAM	2506	100	0	20	10.8	5.403	0.0022	-2.5 to 2.5	Pass
					12	2.247	0.0009	-2.5 to 2.5	Pass
					13.2	6.889	0.0027	-2.5 to 2.5	Pass
				-30	12	-0.127	-0.0001	-2.5 to 2.5	Pass
				-20	12	6.917	0.0028	-2.5 to 2.5	Pass
				-10	12	0.335	0.0001	-2.5 to 2.5	Pass
				0	12	2.163	0.0009	-2.5 to 2.5	Pass
				10	12	4.474	0.0018	-2.5 to 2.5	Pass
				30	12	-0.393	-0.0002	-2.5 to 2.5	Pass
				40	12	-2.537	-0.0010	-2.5 to 2.5	Pass
				50	12	0.216	0.0001	-2.5 to 2.5	Pass
	2593	100	0	20	10.8	-2.560	-0.0010	-2.5 to 2.5	Pass
					12	8.956	0.0035	-2.5 to 2.5	Pass
					13.2	5.353	0.0021	-2.5 to 2.5	Pass
				-30	12	-0.828	-0.0003	-2.5 to 2.5	Pass
				-20	12	2.364	0.0009	-2.5 to 2.5	Pass
				-10	12	3.336	0.0013	-2.5 to 2.5	Pass
				0	12	-1.019	-0.0004	-2.5 to 2.5	Pass
				10	12	0.811	0.0003	-2.5 to 2.5	Pass
				30	12	7.093	0.0027	-2.5 to 2.5	Pass
				40	12	-3.714	-0.0014	-2.5 to 2.5	Pass
				50	12	1.500	0.0006	-2.5 to 2.5	Pass
	2680	100	0	20	10.8	0.598	0.0002	-2.5 to 2.5	Pass
					12	-3.836	-0.0014	-2.5 to 2.5	Pass
					13.2	2.594	0.0010	-2.5 to 2.5	Pass
				-30	12	-3.232	-0.0012	-2.5 to 2.5	Pass
				-20	12	1.473	0.0005	-2.5 to 2.5	Pass
				-10	12	6.096	0.0023	-2.5 to 2.5	Pass
				0	12	-0.607	-0.0002	-2.5 to 2.5	Pass
				10	12	-1.454	-0.0005	-2.5 to 2.5	Pass
				30	12	5.124	0.0019	-2.5 to 2.5	Pass
				40	12	-1.609	-0.0006	-2.5 to 2.5	Pass
256QAM	2506	100	0	20	10.8	7.296	0.0029	-2.5 to 2.5	Pass
					12	5.614	0.0022	-2.5 to 2.5	Pass
					13.2	6.844	0.0027	-2.5 to 2.5	Pass
				-30	12	1.387	0.0006	-2.5 to 2.5	Pass
				-20	12	5.167	0.0021	-2.5 to 2.5	Pass
				-10	12	2.020	0.0008	-2.5 to 2.5	Pass
				0	12	8.288	0.0033	-2.5 to 2.5	Pass
				10	12	-3.483	-0.0014	-2.5 to 2.5	Pass
				30	12	1.622	0.0006	-2.5 to 2.5	Pass
				40	12	-2.200	-0.0009	-2.5 to 2.5	Pass
	2593	100	0	20	10.8	0.732	0.0003	-2.5 to 2.5	Pass
					12	-0.083	0.0000	-2.5 to 2.5	Pass
					13.2	1.558	0.0006	-2.5 to 2.5	Pass
				-30	12	3.219	0.0012	-2.5 to 2.5	Pass
				-20	12	6.687	0.0026	-2.5 to 2.5	Pass
				-10	12	5.280	0.0020	-2.5 to 2.5	Pass
				0	12	4.614	0.0018	-2.5 to 2.5	Pass
				10	12	-3.531	-0.0014	-2.5 to 2.5	Pass



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	2680	100	0	30	12	-0.023	0.0000	-2.5 to 2.5	Pass
				40	12	6.202	0.0024	-2.5 to 2.5	Pass
				50	12	6.361	0.0025	-2.5 to 2.5	Pass
				20	10.8	4.913	0.0018	-2.5 to 2.5	Pass
					12	2.665	0.0010	-2.5 to 2.5	Pass
					13.2	3.933	0.0015	-2.5 to 2.5	Pass
				-30	12	-1.176	-0.0004	-2.5 to 2.5	Pass
				-20	12	-0.453	-0.0002	-2.5 to 2.5	Pass
				-10	12	2.534	0.0009	-2.5 to 2.5	Pass
				0	12	-1.173	-0.0004	-2.5 to 2.5	Pass
				10	12	1.001	0.0004	-2.5 to 2.5	Pass
				30	12	0.190	0.0001	-2.5 to 2.5	Pass
				40	12	-4.264	-0.0016	-2.5 to 2.5	Pass
				50	12	-1.972	-0.0007	-2.5 to 2.5	Pass

11. Frequency Stability

11.1 B42a_5MHz

11.1.1 Test Result

Band: 42a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3452.5	25	0	20	10.8	7.587	0.0022	-2.5 to 2.5	Pass
					12	4.952	0.0014	-2.5 to 2.5	Pass
					13.2	6.025	0.0017	-2.5 to 2.5	Pass
				-30	12	1.060	0.0003	-2.5 to 2.5	Pass
				-20	12	-0.126	0.0000	-2.5 to 2.5	Pass
				-10	12	5.074	0.0015	-2.5 to 2.5	Pass
				0	12	4.836	0.0014	-2.5 to 2.5	Pass



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				10	12	5.184	0.0015	-2.5 to 2.5	Pass	
				30	12	-7.738	-0.0022	-2.5 to 2.5	Pass	
				40	12	-0.715	-0.0002	-2.5 to 2.5	Pass	
				50	12	5.810	0.0017	-2.5 to 2.5	Pass	
	3500	25	0	20	10.8	-1.148	-0.0003	-2.5 to 2.5	Pass	
					12	-3.704	-0.0011	-2.5 to 2.5	Pass	
					13.2	5.893	0.0017	-2.5 to 2.5	Pass	
				-30	12	4.489	0.0013	-2.5 to 2.5	Pass	
				-20	12	-3.541	-0.0010	-2.5 to 2.5	Pass	
				-10	12	-1.778	-0.0005	-2.5 to 2.5	Pass	
				0	12	1.281	0.0004	-2.5 to 2.5	Pass	
				10	12	3.118	0.0009	-2.5 to 2.5	Pass	
				30	12	10.690	0.0031	-2.5 to 2.5	Pass	
				40	12	1.164	0.0003	-2.5 to 2.5	Pass	
				50	12	1.970	0.0006	-2.5 to 2.5	Pass	
				3547.5	25	0	20	10.8	-4.349	-0.0012
	12	-6.158	-0.0017					-2.5 to 2.5	Pass	
	13.2	10.949	0.0031					-2.5 to 2.5	Pass	
	-30	12	1.224				0.0003	-2.5 to 2.5	Pass	
	-20	12	7.777				0.0022	-2.5 to 2.5	Pass	
	-10	12	9.597				0.0027	-2.5 to 2.5	Pass	
	0	12	-0.155				0.0000	-2.5 to 2.5	Pass	
	10	12	-0.501				-0.0001	-2.5 to 2.5	Pass	
	30	12	3.099				0.0009	-2.5 to 2.5	Pass	
	40	12	-7.498				-0.0021	-2.5 to 2.5	Pass	
	50	12	0.141				0.0000	-2.5 to 2.5	Pass	
	16QAM	3452.5	25				0	20	10.8	2.992
				12	3.004	0.0009			-2.5 to 2.5	Pass
				13.2	6.563	0.0019			-2.5 to 2.5	Pass
				-30	12	6.286		0.0018	-2.5 to 2.5	Pass
				-20	12	-1.529		-0.0004	-2.5 to 2.5	Pass
				-10	12	3.050		0.0009	-2.5 to 2.5	Pass
				0	12	11.451		0.0033	-2.5 to 2.5	Pass
				10	12	-6.342		-0.0018	-2.5 to 2.5	Pass
				30	12	-3.750		-0.0011	-2.5 to 2.5	Pass
				40	12	-8.670		-0.0025	-2.5 to 2.5	Pass
50				12	5.848	0.0017		-2.5 to 2.5	Pass	
3500				25	0	20		10.8	2.527	0.0007
		12	-10.535				-0.0030	-2.5 to 2.5	Pass	
		13.2	0.427				0.0001	-2.5 to 2.5	Pass	
		-30	12			9.149	0.0026	-2.5 to 2.5	Pass	
		-20	12			0.637	0.0002	-2.5 to 2.5	Pass	
		-10	12			-2.680	-0.0008	-2.5 to 2.5	Pass	
		0	12			1.150	0.0003	-2.5 to 2.5	Pass	
		10	12			3.303	0.0009	-2.5 to 2.5	Pass	
		30	12			0.674	0.0002	-2.5 to 2.5	Pass	
		40	12			-3.381	-0.0010	-2.5 to 2.5	Pass	
		50	12			0.351	0.0001	-2.5 to 2.5	Pass	
		3547.5	25			0	20	10.8	0.887	0.0003
12				6.278	0.0018			-2.5 to 2.5	Pass	
13.2				-0.672	-0.0002			-2.5 to 2.5	Pass	
-30				12	0.316		0.0001	-2.5 to 2.5	Pass	
-20				12	-3.561		-0.0010	-2.5 to 2.5	Pass	
-10				12	6.945		0.0020	-2.5 to 2.5	Pass	



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				0	12	5.614	0.0016	-2.5 to 2.5	Pass
				10	12	4.753	0.0013	-2.5 to 2.5	Pass
				30	12	-2.295	-0.0006	-2.5 to 2.5	Pass
				40	12	2.856	0.0008	-2.5 to 2.5	Pass
				50	12	-4.877	-0.0014	-2.5 to 2.5	Pass
64QAM	3452.5	25	0	20	10.8	-3.595	-0.0010	-2.5 to 2.5	Pass
					12	-0.906	-0.0003	-2.5 to 2.5	Pass
					13.2	0.474	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.896	-0.0003	-2.5 to 2.5	Pass
				-20	12	-2.660	-0.0008	-2.5 to 2.5	Pass
				-10	12	2.921	0.0008	-2.5 to 2.5	Pass
				0	12	13.738	0.0040	-2.5 to 2.5	Pass
				10	12	-9.046	-0.0026	-2.5 to 2.5	Pass
				30	12	4.428	0.0013	-2.5 to 2.5	Pass
				40	12	2.710	0.0008	-2.5 to 2.5	Pass
				50	12	1.181	0.0003	-2.5 to 2.5	Pass
	3500	25	0	20	10.8	7.165	0.0020	-2.5 to 2.5	Pass
					12	-0.074	0.0000	-2.5 to 2.5	Pass
					13.2	-8.221	-0.0023	-2.5 to 2.5	Pass
				-30	12	-1.474	-0.0004	-2.5 to 2.5	Pass
				-20	12	-5.947	-0.0017	-2.5 to 2.5	Pass
				-10	12	6.047	0.0017	-2.5 to 2.5	Pass
				0	12	5.554	0.0016	-2.5 to 2.5	Pass
				10	12	3.830	0.0011	-2.5 to 2.5	Pass
				30	12	-2.039	-0.0006	-2.5 to 2.5	Pass
				40	12	-2.744	-0.0008	-2.5 to 2.5	Pass
				50	12	10.098	0.0029	-2.5 to 2.5	Pass
	3547.5	25	0	20	10.8	-1.909	-0.0005	-2.5 to 2.5	Pass
					12	3.967	0.0011	-2.5 to 2.5	Pass
					13.2	2.632	0.0007	-2.5 to 2.5	Pass
				-30	12	1.507	0.0004	-2.5 to 2.5	Pass
				-20	12	-7.386	-0.0021	-2.5 to 2.5	Pass
				-10	12	5.202	0.0015	-2.5 to 2.5	Pass
				0	12	-1.001	-0.0003	-2.5 to 2.5	Pass
				10	12	4.121	0.0012	-2.5 to 2.5	Pass
				30	12	0.085	0.0000	-2.5 to 2.5	Pass
				40	12	-10.105	-0.0028	-2.5 to 2.5	Pass
256QAM	3452.5	25	0	20	10.8	3.040	0.0009	-2.5 to 2.5	Pass
					12	-3.407	-0.0010	-2.5 to 2.5	Pass
					13.2	7.153	0.0021	-2.5 to 2.5	Pass
				-30	12	5.368	0.0016	-2.5 to 2.5	Pass
				-20	12	10.578	0.0031	-2.5 to 2.5	Pass
				-10	12	9.606	0.0028	-2.5 to 2.5	Pass
				0	12	10.937	0.0032	-2.5 to 2.5	Pass
				10	12	3.808	0.0011	-2.5 to 2.5	Pass
				30	12	1.802	0.0005	-2.5 to 2.5	Pass
				40	12	-0.906	-0.0003	-2.5 to 2.5	Pass
				50	12	2.412	0.0007	-2.5 to 2.5	Pass
	3500	25	0	20	10.8	-10.034	-0.0029	-2.5 to 2.5	Pass
					12	-8.841	-0.0025	-2.5 to 2.5	Pass
					13.2	2.884	0.0008	-2.5 to 2.5	Pass
				-30	12	-3.630	-0.0010	-2.5 to 2.5	Pass
				-20	12	0.600	0.0002	-2.5 to 2.5	Pass



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				-10	12	0.103	0.0000	-2.5 to 2.5	Pass
				0	12	1.712	0.0005	-2.5 to 2.5	Pass
				10	12	-2.279	-0.0007	-2.5 to 2.5	Pass
				30	12	-0.090	0.0000	-2.5 to 2.5	Pass
				40	12	-6.945	-0.0020	-2.5 to 2.5	Pass
				50	12	-0.624	-0.0002	-2.5 to 2.5	Pass
	3547.5	25	0	20	10.8	10.879	0.0031	-2.5 to 2.5	Pass
					12	-1.458	-0.0004	-2.5 to 2.5	Pass
					13.2	5.881	0.0017	-2.5 to 2.5	Pass
				-30	12	-5.438	-0.0015	-2.5 to 2.5	Pass
				-20	12	-6.543	-0.0018	-2.5 to 2.5	Pass
				-10	12	-9.606	-0.0027	-2.5 to 2.5	Pass
				0	12	-12.911	-0.0036	-2.5 to 2.5	Pass
				10	12	-7.729	-0.0022	-2.5 to 2.5	Pass
				30	12	4.815	0.0014	-2.5 to 2.5	Pass
				40	12	6.698	0.0019	-2.5 to 2.5	Pass
				50	12	-2.556	-0.0007	-2.5 to 2.5	Pass

11.2 B42a_10MHz

11.2.1 Test Result

Band: 42a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3455	50	0	20	10.8	-5.011	-0.0015	-2.5 to 2.5	Pass
					12	-1.092	-0.0003	-2.5 to 2.5	Pass
					13.2	-3.978	-0.0012	-2.5 to 2.5	Pass
				-30	12	-1.878	-0.0005	-2.5 to 2.5	Pass
				-20	12	0.280	0.0001	-2.5 to 2.5	Pass
				-10	12	-3.753	-0.0011	-2.5 to 2.5	Pass
				0	12	-1.169	-0.0003	-2.5 to 2.5	Pass
				10	12	-1.638	-0.0005	-2.5 to 2.5	Pass
				30	12	4.261	0.0012	-2.5 to 2.5	Pass
				40	12	8.093	0.0023	-2.5 to 2.5	Pass
				50	12	1.217	0.0004	-2.5 to 2.5	Pass
	3500	50	0	20	10.8	-4.999	-0.0014	-2.5 to 2.5	Pass
					12	2.657	0.0008	-2.5 to 2.5	Pass
					13.2	7.903	0.0023	-2.5 to 2.5	Pass
				-30	12	9.316	0.0027	-2.5 to 2.5	Pass
				-20	12	6.717	0.0019	-2.5 to 2.5	Pass
				-10	12	0.131	0.0000	-2.5 to 2.5	Pass
				0	12	3.217	0.0009	-2.5 to 2.5	Pass
				10	12	-3.356	-0.0010	-2.5 to 2.5	Pass
				30	12	2.746	0.0008	-2.5 to 2.5	Pass
				40	12	2.563	0.0007	-2.5 to 2.5	Pass
				50	12	2.018	0.0006	-2.5 to 2.5	Pass
	3545	50	0	20	10.8	-4.218	-0.0012	-2.5 to 2.5	Pass
					12	1.943	0.0005	-2.5 to 2.5	Pass
					13.2	1.582	0.0004	-2.5 to 2.5	Pass
				-30	12	-0.288	-0.0001	-2.5 to 2.5	Pass
				-20	12	5.548	0.0016	-2.5 to 2.5	Pass



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				-10	12	-0.526	-0.0001	-2.5 to 2.5	Pass
				0	12	-0.774	-0.0002	-2.5 to 2.5	Pass
				10	12	8.759	0.0025	-2.5 to 2.5	Pass
				30	12	3.807	0.0011	-2.5 to 2.5	Pass
				40	12	8.730	0.0025	-2.5 to 2.5	Pass
				50	12	-3.885	-0.0011	-2.5 to 2.5	Pass
16QAM	3455	50	0	20	10.8	5.743	0.0017	-2.5 to 2.5	Pass
					12	6.231	0.0018	-2.5 to 2.5	Pass
					13.2	2.977	0.0009	-2.5 to 2.5	Pass
				-30	12	5.583	0.0016	-2.5 to 2.5	Pass
				-20	12	5.420	0.0016	-2.5 to 2.5	Pass
				-10	12	-0.707	-0.0002	-2.5 to 2.5	Pass
				0	12	11.644	0.0034	-2.5 to 2.5	Pass
				10	12	3.033	0.0009	-2.5 to 2.5	Pass
				30	12	2.107	0.0006	-2.5 to 2.5	Pass
				40	12	3.563	0.0010	-2.5 to 2.5	Pass
				50	12	2.627	0.0008	-2.5 to 2.5	Pass
	3500	50	0	20	10.8	4.208	0.0012	-2.5 to 2.5	Pass
					12	3.563	0.0010	-2.5 to 2.5	Pass
					13.2	-2.440	-0.0007	-2.5 to 2.5	Pass
				-30	12	-1.418	-0.0004	-2.5 to 2.5	Pass
				-20	12	3.655	0.0010	-2.5 to 2.5	Pass
				-10	12	-3.755	-0.0011	-2.5 to 2.5	Pass
				0	12	-4.304	-0.0012	-2.5 to 2.5	Pass
				10	12	-0.607	-0.0002	-2.5 to 2.5	Pass
				30	12	-5.295	-0.0015	-2.5 to 2.5	Pass
				40	12	2.702	0.0008	-2.5 to 2.5	Pass
				50	12	0.127	0.0000	-2.5 to 2.5	Pass
	3545	50	0	20	10.8	2.829	0.0008	-2.5 to 2.5	Pass
					12	-2.974	-0.0008	-2.5 to 2.5	Pass
					13.2	4.242	0.0012	-2.5 to 2.5	Pass
				-30	12	0.750	0.0002	-2.5 to 2.5	Pass
				-20	12	4.899	0.0014	-2.5 to 2.5	Pass
				-10	12	6.254	0.0018	-2.5 to 2.5	Pass
				0	12	8.155	0.0023	-2.5 to 2.5	Pass
				10	12	7.144	0.0020	-2.5 to 2.5	Pass
				30	12	1.924	0.0005	-2.5 to 2.5	Pass
				40	12	0.728	0.0002	-2.5 to 2.5	Pass
				50	12	-2.505	-0.0007	-2.5 to 2.5	Pass
64QAM	3455	50	0	20	10.8	1.770	0.0005	-2.5 to 2.5	Pass
					12	-0.266	-0.0001	-2.5 to 2.5	Pass
					13.2	1.081	0.0003	-2.5 to 2.5	Pass
				-30	12	-1.098	-0.0003	-2.5 to 2.5	Pass
				-20	12	2.676	0.0008	-2.5 to 2.5	Pass
				-10	12	14.639	0.0042	-2.5 to 2.5	Pass
				0	12	8.088	0.0023	-2.5 to 2.5	Pass
				10	12	-2.136	-0.0006	-2.5 to 2.5	Pass
				30	12	-2.654	-0.0008	-2.5 to 2.5	Pass
				40	12	4.747	0.0014	-2.5 to 2.5	Pass
				50	12	-2.983	-0.0009	-2.5 to 2.5	Pass
	3500	50	0	20	10.8	7.398	0.0021	-2.5 to 2.5	Pass
					12	-3.988	-0.0011	-2.5 to 2.5	Pass
					13.2	-2.439	-0.0007	-2.5 to 2.5	Pass
				-30	12	-0.046	0.0000	-2.5 to 2.5	Pass



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				-20	12	5.540	0.0016	-2.5 to 2.5	Pass			
				-10	12	0.859	0.0002	-2.5 to 2.5	Pass			
				0	12	0.161	0.0000	-2.5 to 2.5	Pass			
				10	12	-7.481	-0.0021	-2.5 to 2.5	Pass			
				30	12	3.778	0.0011	-2.5 to 2.5	Pass			
				40	12	5.412	0.0015	-2.5 to 2.5	Pass			
				50	12	-0.897	-0.0003	-2.5 to 2.5	Pass			
	3545	50	0	20	10.8	8.020	0.0023	-2.5 to 2.5	Pass			
					12	3.678	0.0010	-2.5 to 2.5	Pass			
					13.2	3.440	0.0010	-2.5 to 2.5	Pass			
				-30	12	1.170	0.0003	-2.5 to 2.5	Pass			
				-20	12	-4.142	-0.0012	-2.5 to 2.5	Pass			
				-10	12	12.757	0.0036	-2.5 to 2.5	Pass			
				0	12	10.154	0.0029	-2.5 to 2.5	Pass			
				10	12	-0.552	-0.0002	-2.5 to 2.5	Pass			
				30	12	4.421	0.0012	-2.5 to 2.5	Pass			
				40	12	0.576	0.0002	-2.5 to 2.5	Pass			
				50	12	5.255	0.0015	-2.5 to 2.5	Pass			
				256QAM	3455	50	0	20	10.8	6.511	0.0019	-2.5 to 2.5
12	6.727	0.0019	-2.5 to 2.5						Pass			
13.2	0.478	0.0001	-2.5 to 2.5						Pass			
-30	12	-2.192	-0.0006					-2.5 to 2.5	Pass			
-20	12	-6.046	-0.0017					-2.5 to 2.5	Pass			
-10	12	12.105	0.0035					-2.5 to 2.5	Pass			
0	12	-0.339	-0.0001					-2.5 to 2.5	Pass			
10	12	4.365	0.0013					-2.5 to 2.5	Pass			
30	12	7.673	0.0022					-2.5 to 2.5	Pass			
40	12	-3.925	-0.0011					-2.5 to 2.5	Pass			
50	12	4.531	0.0013					-2.5 to 2.5	Pass			
3500	50	0	20					10.8	4.962	0.0014	-2.5 to 2.5	Pass
								12	-0.739	-0.0002	-2.5 to 2.5	Pass
								13.2	-5.474	-0.0016	-2.5 to 2.5	Pass
			-30					12	-2.465	-0.0007	-2.5 to 2.5	Pass
			-20		12	5.513	0.0016	-2.5 to 2.5	Pass			
			-10		12	4.825	0.0014	-2.5 to 2.5	Pass			
			0		12	1.618	0.0005	-2.5 to 2.5	Pass			
			10		12	-2.453	-0.0007	-2.5 to 2.5	Pass			
			30		12	7.057	0.0020	-2.5 to 2.5	Pass			
			40		12	6.180	0.0018	-2.5 to 2.5	Pass			
50	12	6.434	0.0018		-2.5 to 2.5	Pass						
3545	50	0	20		10.8	8.392	0.0024	-2.5 to 2.5	Pass			
					12	10.658	0.0030	-2.5 to 2.5	Pass			
					13.2	0.730	0.0002	-2.5 to 2.5	Pass			
			-30		12	7.298	0.0021	-2.5 to 2.5	Pass			
			-20		12	8.808	0.0025	-2.5 to 2.5	Pass			
			-10		12	5.131	0.0014	-2.5 to 2.5	Pass			
			0		12	1.004	0.0003	-2.5 to 2.5	Pass			
			10		12	4.801	0.0014	-2.5 to 2.5	Pass			
			30		12	-0.253	-0.0001	-2.5 to 2.5	Pass			
			40	12	-8.489	-0.0024	-2.5 to 2.5	Pass				
50	12	-2.667	-0.0008	-2.5 to 2.5	Pass							

11.3 B42a 15MHz



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11.3.1 Test Result

Band: 42a / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3457.5	75	0	20	10.8	8.263	0.0024	-2.5 to 2.5	Pass
					12	-0.127	0.0000	-2.5 to 2.5	Pass
					13.2	10.89	0.0009	-2.5 to 2.5	Pass
				-30	12	-1.814	-0.0005	-2.5 to 2.5	Pass
				-20	12	1.358	0.0004	-2.5 to 2.5	Pass
				-10	12	3.909	0.0011	-2.5 to 2.5	Pass
				0	12	-1.793	-0.0005	-2.5 to 2.5	Pass
				10	12	7.171	0.0021	-2.5 to 2.5	Pass
				30	12	5.069	0.0015	-2.5 to 2.5	Pass
				40	12	5.049	0.0015	-2.5 to 2.5	Pass
				50	12	-4.388	-0.0013	-2.5 to 2.5	Pass
	3500	75	0	20	10.8	3.698	0.0011	-2.5 to 2.5	Pass
					12	2.441	0.0007	-2.5 to 2.5	Pass
					13.2	-11.094	-0.0032	-2.5 to 2.5	Pass
				-30	12	3.625	0.0010	-2.5 to 2.5	Pass
				-20	12	4.999	0.0014	-2.5 to 2.5	Pass
				-10	12	0.425	0.0001	-2.5 to 2.5	Pass
				0	12	3.872	0.0011	-2.5 to 2.5	Pass
				10	12	8.803	0.0025	-2.5 to 2.5	Pass
				30	12	5.774	0.0016	-2.5 to 2.5	Pass
				40	12	3.365	0.0010	-2.5 to 2.5	Pass
				50	12	2.501	0.0007	-2.5 to 2.5	Pass
	3542.5	75	0	20	10.8	-3.031	-0.0009	-2.5 to 2.5	Pass
					12	5.783	0.0016	-2.5 to 2.5	Pass
					13.2	1.695	0.0005	-2.5 to 2.5	Pass
				-30	12	11.333	0.0032	-2.5 to 2.5	Pass
				-20	12	11.156	0.0031	-2.5 to 2.5	Pass
				-10	12	3.212	0.0009	-2.5 to 2.5	Pass
				0	12	-3.672	-0.0010	-2.5 to 2.5	Pass
				10	12	0.854	0.0002	-2.5 to 2.5	Pass
				30	12	4.779	0.0013	-2.5 to 2.5	Pass
				40	12	-1.050	-0.0003	-2.5 to 2.5	Pass
				50	12	2.978	0.0008	-2.5 to 2.5	Pass
16QAM	3457.5	75	0	20	10.8	7.020	0.0020	-2.5 to 2.5	Pass
					12	-2.863	-0.0008	-2.5 to 2.5	Pass
					13.2	3.286	0.0010	-2.5 to 2.5	Pass
				-30	12	5.033	0.0015	-2.5 to 2.5	Pass
				-20	12	-1.615	-0.0005	-2.5 to 2.5	Pass
				-10	12	1.870	0.0005	-2.5 to 2.5	Pass
				0	12	-5.088	-0.0015	-2.5 to 2.5	Pass
				10	12	5.315	0.0015	-2.5 to 2.5	Pass
				30	12	-2.916	-0.0008	-2.5 to 2.5	Pass
				40	12	3.455	0.0010	-2.5 to 2.5	Pass
				50	12	2.031	0.0006	-2.5 to 2.5	Pass
	3500	75	0	20	10.8	7.679	0.0022	-2.5 to 2.5	Pass
					12	-0.809	-0.0002	-2.5 to 2.5	Pass
					13.2	1.690	0.0005	-2.5 to 2.5	Pass
				-30	12	4.723	0.0013	-2.5 to 2.5	Pass
				-20	12	-3.781	-0.0011	-2.5 to 2.5	Pass
				20	10.8	7.679	0.0022	-2.5 to 2.5	Pass



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				-10	12	0.353	0.0001	-2.5 to 2.5	Pass				
				0	12	6.155	0.0018	-2.5 to 2.5	Pass				
				10	12	0.751	0.0002	-2.5 to 2.5	Pass				
				30	12	0.781	0.0002	-2.5 to 2.5	Pass				
				40	12	3.181	0.0009	-2.5 to 2.5	Pass				
				50	12	-2.451	-0.0007	-2.5 to 2.5	Pass				
	3542.5	75	0	20	10.8	3.571	0.0010	-2.5 to 2.5	Pass				
					12	5.786	0.0016	-2.5 to 2.5	Pass				
					13.2	7.420	0.0021	-2.5 to 2.5	Pass				
				-30	12	-1.169	-0.0003	-2.5 to 2.5	Pass				
				-20	12	-0.461	-0.0001	-2.5 to 2.5	Pass				
				-10	12	-0.476	-0.0001	-2.5 to 2.5	Pass				
				0	12	-0.916	-0.0003	-2.5 to 2.5	Pass				
				10	12	2.216	0.0006	-2.5 to 2.5	Pass				
				30	12	-1.312	-0.0004	-2.5 to 2.5	Pass				
				40	12	3.231	0.0009	-2.5 to 2.5	Pass				
				50	12	1.411	0.0004	-2.5 to 2.5	Pass				
				64QAM	3457.5	75	0	20	10.8	7.177	0.0021	-2.5 to 2.5	Pass
									12	0.115	0.0000	-2.5 to 2.5	Pass
13.2	0.724	0.0002	-2.5 to 2.5						Pass				
-30	12	-0.271	-0.0001					-2.5 to 2.5	Pass				
-20	12	11.454	0.0033					-2.5 to 2.5	Pass				
-10	12	-0.185	-0.0001					-2.5 to 2.5	Pass				
0	12	4.461	0.0013					-2.5 to 2.5	Pass				
10	12	-0.479	-0.0001					-2.5 to 2.5	Pass				
30	12	3.776	0.0011					-2.5 to 2.5	Pass				
40	12	-2.811	-0.0008					-2.5 to 2.5	Pass				
50	12	-2.180	-0.0006		-2.5 to 2.5	Pass							
3500	75	0	20		10.8	3.744	0.0011	-2.5 to 2.5	Pass				
					12	17.996	0.0051	-2.5 to 2.5	Pass				
					13.2	3.038	0.0009	-2.5 to 2.5	Pass				
			-30		12	6.081	0.0017	-2.5 to 2.5	Pass				
			-20		12	9.521	0.0027	-2.5 to 2.5	Pass				
			-10		12	9.711	0.0028	-2.5 to 2.5	Pass				
			0		12	6.307	0.0018	-2.5 to 2.5	Pass				
			10		12	-12.495	-0.0036	-2.5 to 2.5	Pass				
			30	12	7.714	0.0022	-2.5 to 2.5	Pass					
			40	12	7.333	0.0021	-2.5 to 2.5	Pass					
50	12	-5.343	-0.0015	-2.5 to 2.5	Pass								
3542.5	75	0	20	10.8	0.107	0.0000	-2.5 to 2.5	Pass					
				12	2.536	0.0007	-2.5 to 2.5	Pass					
				13.2	2.660	0.0008	-2.5 to 2.5	Pass					
			-30	12	3.229	0.0009	-2.5 to 2.5	Pass					
			-20	12	-1.322	-0.0004	-2.5 to 2.5	Pass					
			-10	12	2.214	0.0006	-2.5 to 2.5	Pass					
			0	12	-3.621	-0.0010	-2.5 to 2.5	Pass					
			10	12	-0.183	-0.0001	-2.5 to 2.5	Pass					
			30	12	0.047	0.0000	-2.5 to 2.5	Pass					
			40	12	4.108	0.0012	-2.5 to 2.5	Pass					
50	12	5.745	0.0016	-2.5 to 2.5	Pass								
256QAM	3457.5	75	0	20	10.8	-2.524	-0.0007	-2.5 to 2.5	Pass				
					12	-1.268	-0.0004	-2.5 to 2.5	Pass				
					13.2	-2.084	-0.0006	-2.5 to 2.5	Pass				
				-30	12	2.502	0.0007	-2.5 to 2.5	Pass				



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				-20	12	0.009	0.0000	-2.5 to 2.5	Pass
				-10	12	2.495	0.0007	-2.5 to 2.5	Pass
				0	12	0.982	0.0003	-2.5 to 2.5	Pass
				10	12	1.236	0.0004	-2.5 to 2.5	Pass
				30	12	-4.193	-0.0012	-2.5 to 2.5	Pass
				40	12	5.887	0.0017	-2.5 to 2.5	Pass
				50	12	8.037	0.0023	-2.5 to 2.5	Pass
	3500	75	0	20	10.8	7.465	0.0021	-2.5 to 2.5	Pass
					12	7.535	0.0022	-2.5 to 2.5	Pass
					13.2	1.028	0.0003	-2.5 to 2.5	Pass
				-30	12	7.051	0.0020	-2.5 to 2.5	Pass
				-20	12	7.110	0.0020	-2.5 to 2.5	Pass
				-10	12	3.819	0.0011	-2.5 to 2.5	Pass
				0	12	3.658	0.0010	-2.5 to 2.5	Pass
				10	12	2.049	0.0006	-2.5 to 2.5	Pass
				30	12	5.560	0.0016	-2.5 to 2.5	Pass
				40	12	-4.306	-0.0012	-2.5 to 2.5	Pass
				50	12	-4.164	-0.0012	-2.5 to 2.5	Pass
	3542.5	75	0	20	10.8	2.817	0.0008	-2.5 to 2.5	Pass
					12	-0.106	0.0000	-2.5 to 2.5	Pass
					13.2	3.489	0.0010	-2.5 to 2.5	Pass
				-30	12	6.052	0.0017	-2.5 to 2.5	Pass
				-20	12	3.166	0.0009	-2.5 to 2.5	Pass
				-10	12	6.460	0.0018	-2.5 to 2.5	Pass
				0	12	0.847	0.0002	-2.5 to 2.5	Pass
				10	12	-3.923	-0.0011	-2.5 to 2.5	Pass
				30	12	1.232	0.0003	-2.5 to 2.5	Pass
				40	12	5.541	0.0016	-2.5 to 2.5	Pass
				50	12	-0.919	-0.0003	-2.5 to 2.5	Pass

11.4 B42a_20MHz

11.4.1 Test Result

Band: 42a / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3460	100	0	20	10.8	-5.397	-0.0016	-2.5 to 2.5	Pass
					12	-5.373	-0.0016	-2.5 to 2.5	Pass
					13.2	-1.929	-0.0006	-2.5 to 2.5	Pass
				-30	12	5.199	0.0015	-2.5 to 2.5	Pass
				-20	12	-2.151	-0.0006	-2.5 to 2.5	Pass
				-10	12	3.740	0.0011	-2.5 to 2.5	Pass
				0	12	9.238	0.0027	-2.5 to 2.5	Pass
				10	12	0.076	0.0000	-2.5 to 2.5	Pass
				30	12	-0.339	-0.0001	-2.5 to 2.5	Pass
				40	12	-5.180	-0.0015	-2.5 to 2.5	Pass
				50	12	-0.871	-0.0003	-2.5 to 2.5	Pass
	3500	100	0	20	10.8	-0.451	-0.0001	-2.5 to 2.5	Pass
					12	-9.269	-0.0026	-2.5 to 2.5	Pass
					13.2	6.665	0.0019	-2.5 to 2.5	Pass
				-30	12	11.136	0.0032	-2.5 to 2.5	Pass



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				-20	12	-5.355	-0.0015	-2.5 to 2.5	Pass
				-10	12	2.399	0.0007	-2.5 to 2.5	Pass
				0	12	5.830	0.0017	-2.5 to 2.5	Pass
				10	12	0.959	0.0003	-2.5 to 2.5	Pass
				30	12	-3.382	-0.0010	-2.5 to 2.5	Pass
				40	12	2.890	0.0008	-2.5 to 2.5	Pass
				50	12	-4.711	-0.0013	-2.5 to 2.5	Pass
	3540	100	0	20	10.8	-3.787	-0.0011	-2.5 to 2.5	Pass
					12	11.798	0.0033	-2.5 to 2.5	Pass
					13.2	-1.545	-0.0004	-2.5 to 2.5	Pass
				-30	12	13.105	0.0037	-2.5 to 2.5	Pass
				-20	12	7.426	0.0021	-2.5 to 2.5	Pass
				-10	12	11.395	0.0032	-2.5 to 2.5	Pass
				0	12	-9.655	-0.0027	-2.5 to 2.5	Pass
				10	12	3.411	0.0010	-2.5 to 2.5	Pass
				30	12	7.246	0.0020	-2.5 to 2.5	Pass
				40	12	1.010	0.0003	-2.5 to 2.5	Pass
				50	12	-7.376	-0.0021	-2.5 to 2.5	Pass
16QAM	3460	100	0	20	10.8	-1.148	-0.0003	-2.5 to 2.5	Pass
					12	10.185	0.0029	-2.5 to 2.5	Pass
					13.2	0.192	0.0001	-2.5 to 2.5	Pass
				-30	12	-2.001	-0.0006	-2.5 to 2.5	Pass
				-20	12	4.445	0.0013	-2.5 to 2.5	Pass
				-10	12	-0.117	0.0000	-2.5 to 2.5	Pass
				0	12	2.510	0.0007	-2.5 to 2.5	Pass
				10	12	-3.800	-0.0011	-2.5 to 2.5	Pass
				30	12	-6.901	-0.0020	-2.5 to 2.5	Pass
				40	12	-6.135	-0.0018	-2.5 to 2.5	Pass
	3500	100	0	50	12	-2.292	-0.0007	-2.5 to 2.5	Pass
				20	10.8	4.604	0.0013	-2.5 to 2.5	Pass
					12	-1.756	-0.0005	-2.5 to 2.5	Pass
					13.2	0.404	0.0001	-2.5 to 2.5	Pass
				-30	12	-2.322	-0.0007	-2.5 to 2.5	Pass
				-20	12	0.488	0.0001	-2.5 to 2.5	Pass
				-10	12	-3.716	-0.0011	-2.5 to 2.5	Pass
				0	12	2.957	0.0008	-2.5 to 2.5	Pass
				10	12	2.336	0.0007	-2.5 to 2.5	Pass
				30	12	1.204	0.0003	-2.5 to 2.5	Pass
	3540	100	0	40	12	2.554	0.0007	-2.5 to 2.5	Pass
				50	12	-4.316	-0.0012	-2.5 to 2.5	Pass
				20	10.8	-0.644	-0.0002	-2.5 to 2.5	Pass
					12	-4.324	-0.0012	-2.5 to 2.5	Pass
					13.2	6.817	0.0019	-2.5 to 2.5	Pass
				-30	12	0.809	0.0002	-2.5 to 2.5	Pass
				-20	12	-1.824	-0.0005	-2.5 to 2.5	Pass
				-10	12	3.500	0.0010	-2.5 to 2.5	Pass
				0	12	-3.223	-0.0009	-2.5 to 2.5	Pass
				10	12	2.758	0.0008	-2.5 to 2.5	Pass
64QAM	3460	100	0	20	10.8	5.433	0.0016	-2.5 to 2.5	Pass
					12	0.380	0.0001	-2.5 to 2.5	Pass
					13.2	-7.087	-0.0020	-2.5 to 2.5	Pass



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256QAM				-30	12	6.451	0.0019	-2.5 to 2.5	Pass
				-20	12	-1.357	-0.0004	-2.5 to 2.5	Pass
				-10	12	9.223	0.0027	-2.5 to 2.5	Pass
				0	12	-5.397	-0.0016	-2.5 to 2.5	Pass
				10	12	9.443	0.0027	-2.5 to 2.5	Pass
				30	12	3.159	0.0009	-2.5 to 2.5	Pass
				40	12	1.815	0.0005	-2.5 to 2.5	Pass
				50	12	-0.617	-0.0002	-2.5 to 2.5	Pass
	3500	100	0		10.8	3.128	0.0009	-2.5 to 2.5	Pass
				20	12	6.220	0.0018	-2.5 to 2.5	Pass
					13.2	5.136	0.0015	-2.5 to 2.5	Pass
				-30	12	4.777	0.0014	-2.5 to 2.5	Pass
				-20	12	-5.163	-0.0015	-2.5 to 2.5	Pass
				-10	12	-2.856	-0.0008	-2.5 to 2.5	Pass
				0	12	1.902	0.0005	-2.5 to 2.5	Pass
				10	12	-1.883	-0.0005	-2.5 to 2.5	Pass
				30	12	-3.105	-0.0009	-2.5 to 2.5	Pass
				40	12	-7.573	-0.0022	-2.5 to 2.5	Pass
				50	12	3.412	0.0010	-2.5 to 2.5	Pass
	3540	100	0		10.8	0.084	0.0000	-2.5 to 2.5	Pass
				20	12	0.799	0.0002	-2.5 to 2.5	Pass
					13.2	1.732	0.0005	-2.5 to 2.5	Pass
				-30	12	3.365	0.0010	-2.5 to 2.5	Pass
				-20	12	1.804	0.0005	-2.5 to 2.5	Pass
				-10	12	-1.197	-0.0003	-2.5 to 2.5	Pass
				0	12	-0.005	0.0000	-2.5 to 2.5	Pass
				10	12	0.492	0.0001	-2.5 to 2.5	Pass
				30	12	6.210	0.0018	-2.5 to 2.5	Pass
				40	12	-4.194	-0.0012	-2.5 to 2.5	Pass
				50	12	7.388	0.0021	-2.5 to 2.5	Pass
	3460	100	0		10.8	2.416	0.0007	-2.5 to 2.5	Pass
				20	12	3.370	0.0010	-2.5 to 2.5	Pass
					13.2	7.915	0.0023	-2.5 to 2.5	Pass
				-30	12	6.547	0.0019	-2.5 to 2.5	Pass
				-20	12	-6.010	-0.0017	-2.5 to 2.5	Pass
				-10	12	-1.266	-0.0004	-2.5 to 2.5	Pass
				0	12	7.836	0.0023	-2.5 to 2.5	Pass
				10	12	7.401	0.0021	-2.5 to 2.5	Pass
				30	12	-0.995	-0.0003	-2.5 to 2.5	Pass
				40	12	-0.293	-0.0001	-2.5 to 2.5	Pass
				50	12	-2.813	-0.0008	-2.5 to 2.5	Pass
	3500	100	0		10.8	7.971	0.0023	-2.5 to 2.5	Pass
				20	12	3.223	0.0009	-2.5 to 2.5	Pass
					13.2	-2.091	-0.0006	-2.5 to 2.5	Pass
				-30	12	8.505	0.0024	-2.5 to 2.5	Pass
				-20	12	9.561	0.0027	-2.5 to 2.5	Pass
				-10	12	1.593	0.0005	-2.5 to 2.5	Pass
				0	12	-7.626	-0.0022	-2.5 to 2.5	Pass
				10	12	7.299	0.0021	-2.5 to 2.5	Pass
				30	12	0.831	0.0002	-2.5 to 2.5	Pass
				40	12	8.995	0.0026	-2.5 to 2.5	Pass
				50	12	0.608	0.0002	-2.5 to 2.5	Pass
	3540	100	0	20	10.8	-4.575	-0.0013	-2.5 to 2.5	Pass
					12	4.253	0.0012	-2.5 to 2.5	Pass



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				13.2	-0.353	-0.0001	-2.5 to 2.5	Pass
				-30	12	6.483	0.0018	Pass
				-20	12	2.937	0.0008	Pass
				-10	12	5.494	0.0016	Pass
				0	12	5.400	0.0015	Pass
				10	12	-3.135	-0.0009	Pass
				30	12	5.385	0.0015	Pass
				40	12	8.330	0.0024	Pass
				50	12	-3.681	-0.0010	Pass

12. Frequency Stability

12.1 B42c_5MHz

12.1.1 Test Result

Band: 42c / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3552.5	25	0	20	10.8	2.706	0.0008	-2.5 to 2.5	Pass
					12	-4.141	-0.0012	-2.5 to 2.5	Pass
					13.2	7.539	0.0021	-2.5 to 2.5	Pass
				-30	12	-0.013	0.0000	-2.5 to 2.5	Pass
				-20	12	6.337	0.0018	-2.5 to 2.5	Pass
				-10	12	2.442	0.0007	-2.5 to 2.5	Pass
				0	12	-0.998	-0.0003	-2.5 to 2.5	Pass
				10	12	0.333	0.0001	-2.5 to 2.5	Pass
				30	12	1.133	0.0003	-2.5 to 2.5	Pass
				40	12	3.238	0.0009	-2.5 to 2.5	Pass
				50	12	3.597	0.0010	-2.5 to 2.5	Pass
	3575	25	0	20	10.8	-2.001	-0.0006	-2.5 to 2.5	Pass



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					12	-5.868	-0.0016	-2.5 to 2.5	Pass
					13.2	1.841	0.0005	-2.5 to 2.5	Pass
				-30	12	-0.077	0.0000	-2.5 to 2.5	Pass
				-20	12	-3.042	-0.0009	-2.5 to 2.5	Pass
				-10	12	4.499	0.0013	-2.5 to 2.5	Pass
				0	12	2.507	0.0007	-2.5 to 2.5	Pass
				10	12	0.126	0.0000	-2.5 to 2.5	Pass
				30	12	1.111	0.0003	-2.5 to 2.5	Pass
				40	12	2.949	0.0008	-2.5 to 2.5	Pass
	50	12	13.383	0.0037	-2.5 to 2.5	Pass			
	3597.5	25	0	20	10.8	-4.030	-0.0011	-2.5 to 2.5	Pass
					12	-0.835	-0.0002	-2.5 to 2.5	Pass
					13.2	2.553	0.0007	-2.5 to 2.5	Pass
				-30	12	4.075	0.0011	-2.5 to 2.5	Pass
				-20	12	4.832	0.0013	-2.5 to 2.5	Pass
				-10	12	0.314	0.0001	-2.5 to 2.5	Pass
				0	12	1.554	0.0004	-2.5 to 2.5	Pass
				10	12	4.021	0.0011	-2.5 to 2.5	Pass
30				12	-3.283	-0.0009	-2.5 to 2.5	Pass	
40	12	-6.328	-0.0018	-2.5 to 2.5	Pass				
50	12	1.563	0.0004	-2.5 to 2.5	Pass				
16QAM	3552.5	25	0	20	10.8	-0.157	0.0000	-2.5 to 2.5	Pass
					12	1.258	0.0004	-2.5 to 2.5	Pass
					13.2	7.187	0.0020	-2.5 to 2.5	Pass
				-30	12	3.483	0.0010	-2.5 to 2.5	Pass
				-20	12	-0.988	-0.0003	-2.5 to 2.5	Pass
				-10	12	4.020	0.0011	-2.5 to 2.5	Pass
				0	12	4.183	0.0012	-2.5 to 2.5	Pass
				10	12	2.062	0.0006	-2.5 to 2.5	Pass
				30	12	1.811	0.0005	-2.5 to 2.5	Pass
	40	12	1.901	0.0005	-2.5 to 2.5	Pass			
	50	12	-5.406	-0.0015	-2.5 to 2.5	Pass			
	3575	25	0	20	10.8	8.321	0.0023	-2.5 to 2.5	Pass
					12	3.435	0.0010	-2.5 to 2.5	Pass
					13.2	-4.619	-0.0013	-2.5 to 2.5	Pass
				-30	12	2.561	0.0007	-2.5 to 2.5	Pass
				-20	12	4.966	0.0014	-2.5 to 2.5	Pass
				-10	12	3.469	0.0010	-2.5 to 2.5	Pass
				0	12	2.163	0.0006	-2.5 to 2.5	Pass
				10	12	0.858	0.0002	-2.5 to 2.5	Pass
				30	12	1.302	0.0004	-2.5 to 2.5	Pass
	40	12	0.976	0.0003	-2.5 to 2.5	Pass			
	50	12	-3.873	-0.0011	-2.5 to 2.5	Pass			
	3597.5	25	0	20	10.8	1.007	0.0003	-2.5 to 2.5	Pass
					12	-1.355	-0.0004	-2.5 to 2.5	Pass
					13.2	0.549	0.0002	-2.5 to 2.5	Pass
				-30	12	2.462	0.0007	-2.5 to 2.5	Pass
				-20	12	3.986	0.0011	-2.5 to 2.5	Pass
-10				12	1.982	0.0006	-2.5 to 2.5	Pass	
0				12	-2.615	-0.0007	-2.5 to 2.5	Pass	
10				12	-2.521	-0.0007	-2.5 to 2.5	Pass	
30				12	-1.611	-0.0004	-2.5 to 2.5	Pass	
40	12	-5.378	-0.0015	-2.5 to 2.5	Pass				
50	12	9.132	0.0025	-2.5 to 2.5	Pass				



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64QAM	3552.5	25	0	20	10.8	13.237	0.0037	-2.5 to 2.5	Pass
					12	7.100	0.0020	-2.5 to 2.5	Pass
					13.2	-2.967	-0.0008	-2.5 to 2.5	Pass
				-30	12	-6.784	-0.0019	-2.5 to 2.5	Pass
				-20	12	2.597	0.0007	-2.5 to 2.5	Pass
				-10	12	-5.788	-0.0016	-2.5 to 2.5	Pass
				0	12	-2.317	-0.0007	-2.5 to 2.5	Pass
				10	12	2.941	0.0008	-2.5 to 2.5	Pass
				30	12	-2.093	-0.0006	-2.5 to 2.5	Pass
				40	12	-12.859	-0.0036	-2.5 to 2.5	Pass
				50	12	-8.609	-0.0024	-2.5 to 2.5	Pass
	3575	25	0	20	10.8	4.569	0.0013	-2.5 to 2.5	Pass
					12	1.901	0.0005	-2.5 to 2.5	Pass
					13.2	4.474	0.0013	-2.5 to 2.5	Pass
				-30	12	-1.184	-0.0003	-2.5 to 2.5	Pass
				-20	12	1.428	0.0004	-2.5 to 2.5	Pass
				-10	12	-6.481	-0.0018	-2.5 to 2.5	Pass
				0	12	1.215	0.0003	-2.5 to 2.5	Pass
				10	12	-6.264	-0.0018	-2.5 to 2.5	Pass
				30	12	3.330	0.0009	-2.5 to 2.5	Pass
				40	12	10.989	0.0031	-2.5 to 2.5	Pass
				50	12	-4.778	-0.0013	-2.5 to 2.5	Pass
	3597.5	25	0	20	10.8	-1.078	-0.0003	-2.5 to 2.5	Pass
					12	2.402	0.0007	-2.5 to 2.5	Pass
					13.2	8.410	0.0023	-2.5 to 2.5	Pass
				-30	12	8.664	0.0024	-2.5 to 2.5	Pass
				-20	12	4.966	0.0014	-2.5 to 2.5	Pass
				-10	12	5.885	0.0016	-2.5 to 2.5	Pass
				0	12	6.945	0.0019	-2.5 to 2.5	Pass
				10	12	10.340	0.0029	-2.5 to 2.5	Pass
				30	12	4.381	0.0012	-2.5 to 2.5	Pass
				40	12	11.623	0.0032	-2.5 to 2.5	Pass
256QAM	3552.5	25	0	20	10.8	1.549	0.0004	-2.5 to 2.5	Pass
					12	2.877	0.0008	-2.5 to 2.5	Pass
					13.2	-3.389	-0.0010	-2.5 to 2.5	Pass
				-30	12	-5.951	-0.0017	-2.5 to 2.5	Pass
				-20	12	12.616	0.0036	-2.5 to 2.5	Pass
				-10	12	-0.112	0.0000	-2.5 to 2.5	Pass
				0	12	3.702	0.0010	-2.5 to 2.5	Pass
				10	12	-6.651	-0.0019	-2.5 to 2.5	Pass
				30	12	-5.807	-0.0016	-2.5 to 2.5	Pass
				40	12	-2.594	-0.0007	-2.5 to 2.5	Pass
				50	12	0.136	0.0000	-2.5 to 2.5	Pass
	3575	25	0	20	10.8	7.676	0.0021	-2.5 to 2.5	Pass
					12	1.238	0.0003	-2.5 to 2.5	Pass
					13.2	5.206	0.0015	-2.5 to 2.5	Pass
				-30	12	2.907	0.0008	-2.5 to 2.5	Pass
				-20	12	4.560	0.0013	-2.5 to 2.5	Pass
				-10	12	-2.738	-0.0008	-2.5 to 2.5	Pass
				0	12	4.819	0.0013	-2.5 to 2.5	Pass
				10	12	-3.417	-0.0010	-2.5 to 2.5	Pass
				30	12	3.734	0.0010	-2.5 to 2.5	Pass
				40	12	2.758	0.0008	-2.5 to 2.5	Pass



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				50	12	3.968	0.0011	-2.5 to 2.5	Pass
	3597.5	25	0	20	10.8	-3.130	-0.0009	-2.5 to 2.5	Pass
					12	6.273	0.0017	-2.5 to 2.5	Pass
					13.2	1.316	0.0004	-2.5 to 2.5	Pass
					-30	12	0.860	0.0002	-2.5 to 2.5
				-20	12	2.798	0.0008	-2.5 to 2.5	Pass
				-10	12	8.689	0.0024	-2.5 to 2.5	Pass
				0	12	0.479	0.0001	-2.5 to 2.5	Pass
				10	12	8.446	0.0023	-2.5 to 2.5	Pass
				30	12	1.519	0.0004	-2.5 to 2.5	Pass
				40	12	3.875	0.0011	-2.5 to 2.5	Pass
				50	12	6.885	0.0019	-2.5 to 2.5	Pass

12.2 B42c_10MHz

12.2.1 Test Result

Band: 42c / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3555	50	0	20	10.8	-2.561	-0.0007	-2.5 to 2.5	Pass
					12	-1.271	-0.0004	-2.5 to 2.5	Pass
					13.2	4.683	0.0013	-2.5 to 2.5	Pass
				-30	12	4.833	0.0014	-2.5 to 2.5	Pass
				-20	12	-1.330	-0.0004	-2.5 to 2.5	Pass
				-10	12	5.187	0.0015	-2.5 to 2.5	Pass
				0	12	2.341	0.0007	-2.5 to 2.5	Pass
				10	12	-3.055	-0.0009	-2.5 to 2.5	Pass
				30	12	4.685	0.0013	-2.5 to 2.5	Pass
				40	12	4.115	0.0012	-2.5 to 2.5	Pass
	3575	50	0	20	10.8	-0.641	-0.0002	-2.5 to 2.5	Pass
					12	-5.471	-0.0015	-2.5 to 2.5	Pass
					13.2	0.259	0.0001	-2.5 to 2.5	Pass
				-30	12	4.009	0.0011	-2.5 to 2.5	Pass
				-20	12	5.792	0.0016	-2.5 to 2.5	Pass
				-10	12	6.419	0.0018	-2.5 to 2.5	Pass
				0	12	2.443	0.0007	-2.5 to 2.5	Pass
				10	12	-0.373	-0.0001	-2.5 to 2.5	Pass
				30	12	-0.467	-0.0001	-2.5 to 2.5	Pass
				40	12	3.062	0.0009	-2.5 to 2.5	Pass
	3595	50	0	20	10.8	8.537	0.0024	-2.5 to 2.5	Pass
					12	2.854	0.0008	-2.5 to 2.5	Pass
					13.2	4.670	0.0013	-2.5 to 2.5	Pass
				-30	12	6.010	0.0017	-2.5 to 2.5	Pass
				-20	12	9.984	0.0028	-2.5 to 2.5	Pass
				-10	12	-2.116	-0.0006	-2.5 to 2.5	Pass
				0	12	7.496	0.0021	-2.5 to 2.5	Pass
				10	12	-0.382	-0.0001	-2.5 to 2.5	Pass
				30	12	2.498	0.0007	-2.5 to 2.5	Pass
				40	12	6.577	0.0018	-2.5 to 2.5	Pass



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16QAM	3555	50	0	50	12	5.175	0.0014	-2.5 to 2.5	Pass
				20	10.8	3.305	0.0009	-2.5 to 2.5	Pass
					12	3.645	0.0010	-2.5 to 2.5	Pass
					13.2	2.478	0.0007	-2.5 to 2.5	Pass
				-30	12	2.438	0.0007	-2.5 to 2.5	Pass
				-20	12	-2.141	-0.0006	-2.5 to 2.5	Pass
				-10	12	2.689	0.0008	-2.5 to 2.5	Pass
				0	12	-1.632	-0.0005	-2.5 to 2.5	Pass
				10	12	-1.008	-0.0003	-2.5 to 2.5	Pass
				30	12	2.651	0.0007	-2.5 to 2.5	Pass
	3575	50	0	40	12	3.126	0.0009	-2.5 to 2.5	Pass
				50	12	0.334	0.0001	-2.5 to 2.5	Pass
				20	10.8	-1.258	-0.0004	-2.5 to 2.5	Pass
					12	9.279	0.0026	-2.5 to 2.5	Pass
					13.2	4.223	0.0012	-2.5 to 2.5	Pass
				-30	12	-0.253	-0.0001	-2.5 to 2.5	Pass
				-20	12	3.841	0.0011	-2.5 to 2.5	Pass
				-10	12	8.824	0.0025	-2.5 to 2.5	Pass
				0	12	9.042	0.0025	-2.5 to 2.5	Pass
				10	12	1.327	0.0004	-2.5 to 2.5	Pass
	3595	50	0	30	12	5.936	0.0017	-2.5 to 2.5	Pass
				40	12	3.897	0.0011	-2.5 to 2.5	Pass
				50	12	4.700	0.0013	-2.5 to 2.5	Pass
				20	10.8	5.123	0.0014	-2.5 to 2.5	Pass
					12	3.030	0.0008	-2.5 to 2.5	Pass
					13.2	7.197	0.0020	-2.5 to 2.5	Pass
				-30	12	1.140	0.0003	-2.5 to 2.5	Pass
				-20	12	-1.676	-0.0005	-2.5 to 2.5	Pass
				-10	12	6.398	0.0018	-2.5 to 2.5	Pass
				0	12	0.469	0.0001	-2.5 to 2.5	Pass
64QAM	3555	50	0	10	12	4.484	0.0012	-2.5 to 2.5	Pass
				30	12	1.371	0.0004	-2.5 to 2.5	Pass
				40	12	5.357	0.0015	-2.5 to 2.5	Pass
				50	12	2.559	0.0007	-2.5 to 2.5	Pass
				20	10.8	0.965	0.0003	-2.5 to 2.5	Pass
					12	-0.241	-0.0001	-2.5 to 2.5	Pass
					13.2	3.632	0.0010	-2.5 to 2.5	Pass
				-30	12	10.424	0.0029	-2.5 to 2.5	Pass
				-20	12	2.946	0.0008	-2.5 to 2.5	Pass
				-10	12	9.209	0.0026	-2.5 to 2.5	Pass
	3575	50	0	0	12	3.817	0.0011	-2.5 to 2.5	Pass
				10	12	5.475	0.0015	-2.5 to 2.5	Pass
				30	12	-2.137	-0.0006	-2.5 to 2.5	Pass
				40	12	4.449	0.0013	-2.5 to 2.5	Pass
				50	12	5.980	0.0017	-2.5 to 2.5	Pass
				20	10.8	7.200	0.0020	-2.5 to 2.5	Pass
					12	-5.041	-0.0014	-2.5 to 2.5	Pass
					13.2	1.929	0.0005	-2.5 to 2.5	Pass
				-30	12	1.122	0.0003	-2.5 to 2.5	Pass
				-20	12	-3.121	-0.0009	-2.5 to 2.5	Pass
				-10	12	1.793	0.0005	-2.5 to 2.5	Pass
				0	12	0.457	0.0001	-2.5 to 2.5	Pass
				10	12	1.553	0.0004	-2.5 to 2.5	Pass
				30	12	5.664	0.0016	-2.5 to 2.5	Pass



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	3595	50	0	40	12	-2.939	-0.0008	-2.5 to 2.5	Pass
				50	12	0.017	0.0000	-2.5 to 2.5	Pass
				20	10.8	5.482	0.0015	-2.5 to 2.5	Pass
					12	2.043	0.0006	-2.5 to 2.5	Pass
					13.2	-1.111	-0.0003	-2.5 to 2.5	Pass
				-30	12	10.284	0.0029	-2.5 to 2.5	Pass
				-20	12	4.310	0.0012	-2.5 to 2.5	Pass
				-10	12	3.477	0.0010	-2.5 to 2.5	Pass
				0	12	-0.809	-0.0002	-2.5 to 2.5	Pass
				10	12	-5.866	-0.0016	-2.5 to 2.5	Pass
				30	12	7.377	0.0021	-2.5 to 2.5	Pass
				40	12	-3.118	-0.0009	-2.5 to 2.5	Pass
				50	12	6.842	0.0019	-2.5 to 2.5	Pass
256QAM	3555	50	0	20	10.8	-0.523	-0.0001	-2.5 to 2.5	Pass
					12	2.505	0.0007	-2.5 to 2.5	Pass
					13.2	0.467	0.0001	-2.5 to 2.5	Pass
				-30	12	5.101	0.0014	-2.5 to 2.5	Pass
				-20	12	3.289	0.0009	-2.5 to 2.5	Pass
				-10	12	8.970	0.0025	-2.5 to 2.5	Pass
				0	12	2.851	0.0008	-2.5 to 2.5	Pass
				10	12	4.045	0.0011	-2.5 to 2.5	Pass
				30	12	1.943	0.0005	-2.5 to 2.5	Pass
				40	12	-2.301	-0.0006	-2.5 to 2.5	Pass
				50	12	6.779	0.0019	-2.5 to 2.5	Pass
	3575	50	0	20	10.8	4.091	0.0011	-2.5 to 2.5	Pass
					12	3.720	0.0010	-2.5 to 2.5	Pass
					13.2	5.412	0.0015	-2.5 to 2.5	Pass
				-30	12	0.596	0.0002	-2.5 to 2.5	Pass
				-20	12	5.528	0.0015	-2.5 to 2.5	Pass
				-10	12	0.521	0.0001	-2.5 to 2.5	Pass
				0	12	-0.284	-0.0001	-2.5 to 2.5	Pass
				10	12	-0.048	0.0000	-2.5 to 2.5	Pass
				30	12	6.616	0.0019	-2.5 to 2.5	Pass
				40	12	-1.093	-0.0003	-2.5 to 2.5	Pass
				50	12	-4.860	-0.0014	-2.5 to 2.5	Pass
	3595	50	0	20	10.8	4.970	0.0014	-2.5 to 2.5	Pass
					12	3.360	0.0009	-2.5 to 2.5	Pass
					13.2	-0.173	0.0000	-2.5 to 2.5	Pass
				-30	12	1.374	0.0004	-2.5 to 2.5	Pass
				-20	12	3.778	0.0011	-2.5 to 2.5	Pass
				-10	12	-0.135	0.0000	-2.5 to 2.5	Pass
				0	12	0.550	0.0002	-2.5 to 2.5	Pass
				10	12	1.221	0.0003	-2.5 to 2.5	Pass
				30	12	3.492	0.0010	-2.5 to 2.5	Pass
				40	12	3.774	0.0010	-2.5 to 2.5	Pass
				50	12	3.926	0.0011	-2.5 to 2.5	Pass

12.3 B42c_15MHz

12.3.1 Test Result

Band: 42c / Bandwidth: 15MHz



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Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3557.5	75	0	20	10.8	-2.891	-0.0008	-2.5 to 2.5	Pass
					12	-2.068	-0.0006	-2.5 to 2.5	Pass
					13.2	0.153	0.0000	-2.5 to 2.5	Pass
				-30	12	-0.727	-0.0002	-2.5 to 2.5	Pass
				-20	12	-0.780	-0.0002	-2.5 to 2.5	Pass
				-10	12	1.079	0.0003	-2.5 to 2.5	Pass
				0	12	2.502	0.0007	-2.5 to 2.5	Pass
				10	12	2.282	0.0006	-2.5 to 2.5	Pass
				30	12	2.138	0.0006	-2.5 to 2.5	Pass
				40	12	6.101	0.0017	-2.5 to 2.5	Pass
				50	12	-0.879	-0.0002	-2.5 to 2.5	Pass
	3575	75	0	20	10.8	3.415	0.0010	-2.5 to 2.5	Pass
					12	-1.437	-0.0004	-2.5 to 2.5	Pass
					13.2	3.535	0.0010	-2.5 to 2.5	Pass
				-30	12	-9.243	-0.0026	-2.5 to 2.5	Pass
				-20	12	2.697	0.0008	-2.5 to 2.5	Pass
				-10	12	2.570	0.0007	-2.5 to 2.5	Pass
				0	12	3.792	0.0011	-2.5 to 2.5	Pass
				10	12	3.799	0.0011	-2.5 to 2.5	Pass
				30	12	5.503	0.0015	-2.5 to 2.5	Pass
				40	12	1.637	0.0005	-2.5 to 2.5	Pass
				50	12	0.169	0.0000	-2.5 to 2.5	Pass
	3592.5	75	0	20	10.8	3.911	0.0011	-2.5 to 2.5	Pass
					12	0.693	0.0002	-2.5 to 2.5	Pass
					13.2	-3.131	-0.0009	-2.5 to 2.5	Pass
				-30	12	-2.833	-0.0008	-2.5 to 2.5	Pass
				-20	12	-0.647	-0.0002	-2.5 to 2.5	Pass
				-10	12	-1.182	-0.0003	-2.5 to 2.5	Pass
				0	12	3.244	0.0009	-2.5 to 2.5	Pass
				10	12	2.816	0.0008	-2.5 to 2.5	Pass
				30	12	-0.616	-0.0002	-2.5 to 2.5	Pass
				40	12	3.956	0.0011	-2.5 to 2.5	Pass
16QAM	3557.5	75	0	20	10.8	-0.562	-0.0002	-2.5 to 2.5	Pass
					12	1.202	0.0003	-2.5 to 2.5	Pass
					13.2	3.261	0.0009	-2.5 to 2.5	Pass
				-30	12	-1.214	-0.0003	-2.5 to 2.5	Pass
				-20	12	6.610	0.0019	-2.5 to 2.5	Pass
				-10	12	-2.606	-0.0007	-2.5 to 2.5	Pass
				0	12	1.254	0.0004	-2.5 to 2.5	Pass
				10	12	4.934	0.0014	-2.5 to 2.5	Pass
				30	12	-1.775	-0.0005	-2.5 to 2.5	Pass
				40	12	2.857	0.0008	-2.5 to 2.5	Pass
	3575	75	0	20	10.8	1.788	0.0005	-2.5 to 2.5	Pass
					12	-0.247	-0.0001	-2.5 to 2.5	Pass
					13.2	-1.824	-0.0005	-2.5 to 2.5	Pass
				-30	12	-4.204	-0.0012	-2.5 to 2.5	Pass
				-20	12	1.714	0.0005	-2.5 to 2.5	Pass
				-10	12	5.313	0.0015	-2.5 to 2.5	Pass
				0	12	-3.005	-0.0008	-2.5 to 2.5	Pass
				10	12	5.121	0.0014	-2.5 to 2.5	Pass



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				30	12	-0.859	-0.0002	-2.5 to 2.5	Pass
				40	12	3.999	0.0011	-2.5 to 2.5	Pass
				50	12	7.009	0.0020	-2.5 to 2.5	Pass
	3592.5	75	0	20	10.8	3.483	0.0010	-2.5 to 2.5	Pass
					12	5.042	0.0014	-2.5 to 2.5	Pass
					13.2	-3.265	-0.0009	-2.5 to 2.5	Pass
				-30	12	-0.179	0.0000	-2.5 to 2.5	Pass
				-20	12	8.191	0.0023	-2.5 to 2.5	Pass
				-10	12	1.671	0.0005	-2.5 to 2.5	Pass
				0	12	7.514	0.0021	-2.5 to 2.5	Pass
				10	12	0.957	0.0003	-2.5 to 2.5	Pass
				30	12	-1.105	-0.0003	-2.5 to 2.5	Pass
40				12	6.113	0.0017	-2.5 to 2.5	Pass	
50				12	2.657	0.0007	-2.5 to 2.5	Pass	
64QAM				3557.5	75	0	20	10.8	1.437
	12	0.819	0.0002					-2.5 to 2.5	Pass
	13.2	5.184	0.0015					-2.5 to 2.5	Pass
	-30	12	3.059				0.0009	-2.5 to 2.5	Pass
	-20	12	1.832				0.0005	-2.5 to 2.5	Pass
	-10	12	0.132				0.0000	-2.5 to 2.5	Pass
	0	12	-2.275				-0.0006	-2.5 to 2.5	Pass
	10	12	9.013				0.0025	-2.5 to 2.5	Pass
	30	12	-2.175				-0.0006	-2.5 to 2.5	Pass
	40	12	1.126				0.0003	-2.5 to 2.5	Pass
	50	12	1.112				0.0003	-2.5 to 2.5	Pass
	3575	75	0				20	10.8	1.681
				12	2.517	0.0007		-2.5 to 2.5	Pass
				13.2	5.649	0.0016		-2.5 to 2.5	Pass
				-30	12	6.184	0.0017	-2.5 to 2.5	Pass
				-20	12	-3.475	-0.0010	-2.5 to 2.5	Pass
				-10	12	4.257	0.0012	-2.5 to 2.5	Pass
				0	12	1.282	0.0004	-2.5 to 2.5	Pass
				10	12	5.113	0.0014	-2.5 to 2.5	Pass
				30	12	-1.460	-0.0004	-2.5 to 2.5	Pass
				40	12	4.089	0.0011	-2.5 to 2.5	Pass
				50	12	-1.079	-0.0003	-2.5 to 2.5	Pass
				3592.5	75	0	20	10.8	8.211
	12	3.371	0.0009					-2.5 to 2.5	Pass
	13.2	4.922	0.0014					-2.5 to 2.5	Pass
	-30	12	2.707				0.0008	-2.5 to 2.5	Pass
	-20	12	-1.065				-0.0003	-2.5 to 2.5	Pass
	-10	12	6.324				0.0018	-2.5 to 2.5	Pass
	0	12	5.085				0.0014	-2.5 to 2.5	Pass
	10	12	5.012				0.0014	-2.5 to 2.5	Pass
30	12	6.302	0.0018				-2.5 to 2.5	Pass	
40	12	6.395	0.0018				-2.5 to 2.5	Pass	
50	12	6.444	0.0018				-2.5 to 2.5	Pass	
256QAM	3557.5	75	0				20	10.8	4.705
				12	5.736	0.0016		-2.5 to 2.5	Pass
				13.2	-4.110	-0.0012		-2.5 to 2.5	Pass
				-30	12	-1.847	-0.0005	-2.5 to 2.5	Pass
				-20	12	-2.587	-0.0007	-2.5 to 2.5	Pass
				-10	12	0.898	0.0003	-2.5 to 2.5	Pass
0	12	-2.488	-0.0007	-2.5 to 2.5	Pass				



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				10	12	0.786	0.0002	-2.5 to 2.5	Pass
				30	12	0.275	0.0001	-2.5 to 2.5	Pass
				40	12	2.342	0.0007	-2.5 to 2.5	Pass
				50	12	-1.634	-0.0005	-2.5 to 2.5	Pass
	3575	75	0	20	10.8	2.585	0.0007	-2.5 to 2.5	Pass
					12	3.430	0.0010	-2.5 to 2.5	Pass
					13.2	0.268	0.0001	-2.5 to 2.5	Pass
				-30	12	3.708	0.0010	-2.5 to 2.5	Pass
				-20	12	0.389	0.0001	-2.5 to 2.5	Pass
				-10	12	6.614	0.0019	-2.5 to 2.5	Pass
				0	12	-1.628	-0.0005	-2.5 to 2.5	Pass
				10	12	3.506	0.0010	-2.5 to 2.5	Pass
				30	12	1.676	0.0005	-2.5 to 2.5	Pass
				40	12	3.358	0.0009	-2.5 to 2.5	Pass
				50	12	-5.089	-0.0014	-2.5 to 2.5	Pass
				3592.5	75	0	20	10.8	5.320
	12	5.275	0.0015					-2.5 to 2.5	Pass
	13.2	2.943	0.0008					-2.5 to 2.5	Pass
	-30	12	1.790				0.0005	-2.5 to 2.5	Pass
	-20	12	-3.307				-0.0009	-2.5 to 2.5	Pass
-10	12	5.498	0.0015				-2.5 to 2.5	Pass	
0	12	0.956	0.0003				-2.5 to 2.5	Pass	
10	12	4.415	0.0012				-2.5 to 2.5	Pass	
30	12	0.561	0.0002				-2.5 to 2.5	Pass	
40	12	8.070	0.0022				-2.5 to 2.5	Pass	
50	12	-0.813	-0.0002				-2.5 to 2.5	Pass	

12.4 B42c 20MHz

12.4.1 Test Result

Band: 42c / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3560	100	0	20	10.8	-2.596	-0.0007	-2.5 to 2.5	Pass
					12	1.206	0.0003	-2.5 to 2.5	Pass
					13.2	4.545	0.0013	-2.5 to 2.5	Pass
				-30	12	0.313	0.0001	-2.5 to 2.5	Pass
				-20	12	3.424	0.0010	-2.5 to 2.5	Pass
				-10	12	5.657	0.0016	-2.5 to 2.5	Pass
				0	12	8.613	0.0024	-2.5 to 2.5	Pass
				10	12	-2.206	-0.0006	-2.5 to 2.5	Pass
				30	12	1.612	0.0005	-2.5 to 2.5	Pass
				40	12	4.503	0.0013	-2.5 to 2.5	Pass
	50	12	2.016	0.0006	-2.5 to 2.5	Pass			
	3575	100	0	20	10.8	0.601	0.0002	-2.5 to 2.5	Pass
					12	2.160	0.0006	-2.5 to 2.5	Pass
					13.2	4.277	0.0012	-2.5 to 2.5	Pass
				-30	12	3.419	0.0010	-2.5 to 2.5	Pass
				-20	12	3.061	0.0009	-2.5 to 2.5	Pass
				-10	12	2.031	0.0006	-2.5 to 2.5	Pass
				0	12	2.804	0.0008	-2.5 to 2.5	Pass



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				10	12	-0.200	-0.0001	-2.5 to 2.5	Pass
				30	12	2.933	0.0008	-2.5 to 2.5	Pass
				40	12	3.247	0.0009	-2.5 to 2.5	Pass
				50	12	3.490	0.0010	-2.5 to 2.5	Pass
	3590	100	0	20	10.8	2.689	0.0007	-2.5 to 2.5	Pass
					12	8.469	0.0024	-2.5 to 2.5	Pass
					13.2	2.131	0.0006	-2.5 to 2.5	Pass
				-30	12	2.289	0.0006	-2.5 to 2.5	Pass
				-20	12	-5.078	-0.0014	-2.5 to 2.5	Pass
				-10	12	0.815	0.0002	-2.5 to 2.5	Pass
				0	12	2.832	0.0008	-2.5 to 2.5	Pass
				10	12	5.565	0.0016	-2.5 to 2.5	Pass
				30	12	1.774	0.0005	-2.5 to 2.5	Pass
				40	12	2.818	0.0008	-2.5 to 2.5	Pass
				50	12	1.874	0.0005	-2.5 to 2.5	Pass
16QAM	3560	100	0	20	10.8	6.496	0.0018	-2.5 to 2.5	Pass
					12	-1.616	-0.0005	-2.5 to 2.5	Pass
					13.2	1.602	0.0005	-2.5 to 2.5	Pass
				-30	12	4.005	0.0011	-2.5 to 2.5	Pass
				-20	12	2.890	0.0008	-2.5 to 2.5	Pass
				-10	12	2.918	0.0008	-2.5 to 2.5	Pass
				0	12	4.578	0.0013	-2.5 to 2.5	Pass
				10	12	0.544	0.0002	-2.5 to 2.5	Pass
				30	12	-0.401	-0.0001	-2.5 to 2.5	Pass
				40	12	3.061	0.0009	-2.5 to 2.5	Pass
				50	12	3.219	0.0009	-2.5 to 2.5	Pass
	3575	100	0	20	10.8	4.492	0.0013	-2.5 to 2.5	Pass
					12	1.688	0.0005	-2.5 to 2.5	Pass
					13.2	-2.418	-0.0007	-2.5 to 2.5	Pass
				-30	12	1.802	0.0005	-2.5 to 2.5	Pass
				-20	12	3.319	0.0009	-2.5 to 2.5	Pass
				-10	12	1.588	0.0004	-2.5 to 2.5	Pass
				0	12	0.916	0.0003	-2.5 to 2.5	Pass
				10	12	2.518	0.0007	-2.5 to 2.5	Pass
				30	12	2.089	0.0006	-2.5 to 2.5	Pass
				40	12	2.017	0.0006	-2.5 to 2.5	Pass
				50	12	-1.044	-0.0003	-2.5 to 2.5	Pass
	3590	100	0	20	10.8	3.948	0.0011	-2.5 to 2.5	Pass
					12	7.582	0.0021	-2.5 to 2.5	Pass
					13.2	1.631	0.0005	-2.5 to 2.5	Pass
				-30	12	2.246	0.0006	-2.5 to 2.5	Pass
				-20	12	0.715	0.0002	-2.5 to 2.5	Pass
				-10	12	2.432	0.0007	-2.5 to 2.5	Pass
				0	12	2.546	0.0007	-2.5 to 2.5	Pass
				10	12	2.131	0.0006	-2.5 to 2.5	Pass
				30	12	3.562	0.0010	-2.5 to 2.5	Pass
				40	12	5.765	0.0016	-2.5 to 2.5	Pass
				50	12	-3.119	-0.0009	-2.5 to 2.5	Pass
64QAM	3560	100	0	20	10.8	3.347	0.0009	-2.5 to 2.5	Pass
					12	2.761	0.0008	-2.5 to 2.5	Pass
					13.2	0.801	0.0002	-2.5 to 2.5	Pass
				-30	12	-0.143	0.0000	-2.5 to 2.5	Pass
				-20	12	4.606	0.0013	-2.5 to 2.5	Pass
				-10	12	1.802	0.0005	-2.5 to 2.5	Pass



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256QAM				0	12	1.974	0.0006	-2.5 to 2.5	Pass			
				10	12	4.363	0.0012	-2.5 to 2.5	Pass			
				30	12	5.608	0.0016	-2.5 to 2.5	Pass			
				40	12	0.100	0.0000	-2.5 to 2.5	Pass			
				50	12	1.702	0.0005	-2.5 to 2.5	Pass			
	3575	100	0	20	10.8	0.973	0.0003	-2.5 to 2.5	Pass			
					12	3.304	0.0009	-2.5 to 2.5	Pass			
					13.2	2.518	0.0007	-2.5 to 2.5	Pass			
				-30	12	8.497	0.0024	-2.5 to 2.5	Pass			
				-20	12	-0.529	-0.0001	-2.5 to 2.5	Pass			
				-10	12	2.089	0.0006	-2.5 to 2.5	Pass			
				0	12	4.077	0.0011	-2.5 to 2.5	Pass			
				10	12	0.801	0.0002	-2.5 to 2.5	Pass			
				30	12	1.116	0.0003	-2.5 to 2.5	Pass			
				40	12	5.565	0.0016	-2.5 to 2.5	Pass			
				50	12	2.475	0.0007	-2.5 to 2.5	Pass			
				3590	100	0	20	10.8	1.645	0.0005	-2.5 to 2.5	Pass
								12	1.960	0.0005	-2.5 to 2.5	Pass
	13.2	4.950	0.0014					-2.5 to 2.5	Pass			
	-30	12	2.990				0.0008	-2.5 to 2.5	Pass			
	-20	12	6.223				0.0017	-2.5 to 2.5	Pass			
	-10	12	6.008				0.0017	-2.5 to 2.5	Pass			
	0	12	4.306				0.0012	-2.5 to 2.5	Pass			
	10	12	-0.114				0.0000	-2.5 to 2.5	Pass			
	30	12	-2.046				-0.0006	-2.5 to 2.5	Pass			
	40	12	4.807				0.0013	-2.5 to 2.5	Pass			
	50	12	2.861				0.0008	-2.5 to 2.5	Pass			
		3560	100				0	20	10.8	1.545	0.0004	-2.5 to 2.5
				12	4.792	0.0013			-2.5 to 2.5	Pass		
				13.2	5.422	0.0015			-2.5 to 2.5	Pass		
-30				12	1.931	0.0005		-2.5 to 2.5	Pass			
-20				12	1.531	0.0004		-2.5 to 2.5	Pass			
-10				12	0.343	0.0001		-2.5 to 2.5	Pass			
0				12	1.187	0.0003		-2.5 to 2.5	Pass			
10				12	1.874	0.0005		-2.5 to 2.5	Pass			
30				12	3.219	0.0009		-2.5 to 2.5	Pass			
40				12	-3.304	-0.0009		-2.5 to 2.5	Pass			
50				12	5.264	0.0015		-2.5 to 2.5	Pass			
3575				100	0	20		10.8	5.121	0.0014	-2.5 to 2.5	Pass
								12	1.631	0.0005	-2.5 to 2.5	Pass
		13.2	4.048				0.0011	-2.5 to 2.5	Pass			
		-30	12			-0.129	0.0000	-2.5 to 2.5	Pass			
		-20	12			0.401	0.0001	-2.5 to 2.5	Pass			
		-10	12			4.277	0.0012	-2.5 to 2.5	Pass			
3590		100	0	20	10.8	4.077	0.0011	-2.5 to 2.5	Pass			
					12	-0.014	0.0000	-2.5 to 2.5	Pass			
	13.2				6.180	0.0017	-2.5 to 2.5	Pass				
	-30			12	2.017	0.0006	-2.5 to 2.5	Pass				
	-20			12	-4.892	-0.0014	-2.5 to 2.5	Pass				



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				-10	12	1.917	0.0005	-2.5 to 2.5	Pass
				0	12	4.363	0.0012	-2.5 to 2.5	Pass
				10	12	8.526	0.0024	-2.5 to 2.5	Pass
				30	12	4.220	0.0012	-2.5 to 2.5	Pass
				40	12	-1.302	-0.0004	-2.5 to 2.5	Pass
				50	12	5.078	0.0014	-2.5 to 2.5	Pass

13. Frequency Stability

13.1 B66_1.4MHz

13.1.1 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	
QPSK	1710.7	6	0	20	10.8	-1.087	-0.0006	-2.5 to 2.5	Pass
					12	0.615	0.0004	-2.5 to 2.5	Pass
					13.2	0.987	0.0006	-2.5 to 2.5	Pass
				-30	12	-1.302	-0.0008	-2.5 to 2.5	Pass
				-20	12	-1.044	-0.0006	-2.5 to 2.5	Pass
				-10	12	-2.103	-0.0012	-2.5 to 2.5	Pass
				0	12	-6.638	-0.0039	-2.5 to 2.5	Pass
				10	12	-6.280	-0.0037	-2.5 to 2.5	Pass
				30	12	-4.234	-0.0025	-2.5 to 2.5	Pass
				40	12	3.762	0.0022	-2.5 to 2.5	Pass
				50	12	4.277	0.0025	-2.5 to 2.5	Pass
	1745	6	0	20	10.8	5.751	0.0033	-2.5 to 2.5	Pass
					12	-2.847	-0.0016	-2.5 to 2.5	Pass
					13.2	4.034	0.0023	-2.5 to 2.5	Pass
				-30	12	1.159	0.0007	-2.5 to 2.5	Pass



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				-20	12	-1.817	-0.0010	-2.5 to 2.5	Pass
				-10	12	-2.346	-0.0013	-2.5 to 2.5	Pass
				0	12	-4.277	-0.0025	-2.5 to 2.5	Pass
				10	12	4.120	0.0024	-2.5 to 2.5	Pass
				30	12	0.744	0.0004	-2.5 to 2.5	Pass
				40	12	-2.761	-0.0016	-2.5 to 2.5	Pass
				50	12	4.134	0.0024	-2.5 to 2.5	Pass
	1779.3	6	0	20	10.8	1.645	0.0009	-2.5 to 2.5	Pass
					12	-3.791	-0.0021	-2.5 to 2.5	Pass
					13.2	1.788	0.0010	-2.5 to 2.5	Pass
				-30	12	1.645	0.0009	-2.5 to 2.5	Pass
				-20	12	1.588	0.0009	-2.5 to 2.5	Pass
				-10	12	5.693	0.0032	-2.5 to 2.5	Pass
				0	12	1.373	0.0008	-2.5 to 2.5	Pass
				10	12	1.144	0.0006	-2.5 to 2.5	Pass
				30	12	2.003	0.0011	-2.5 to 2.5	Pass
				40	12	-1.502	-0.0008	-2.5 to 2.5	Pass
				50	12	-1.116	-0.0006	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	10.8	-6.895	-0.0040	-2.5 to 2.5	Pass
					12	-3.648	-0.0021	-2.5 to 2.5	Pass
					13.2	-3.505	-0.0020	-2.5 to 2.5	Pass
				-30	12	-1.216	-0.0007	-2.5 to 2.5	Pass
				-20	12	1.073	0.0006	-2.5 to 2.5	Pass
				-10	12	-1.044	-0.0006	-2.5 to 2.5	Pass
				0	12	-10.943	-0.0064	-2.5 to 2.5	Pass
				10	12	-4.563	-0.0027	-2.5 to 2.5	Pass
				30	12	1.545	0.0009	-2.5 to 2.5	Pass
				40	12	-2.604	-0.0015	-2.5 to 2.5	Pass
				50	12	-2.532	-0.0015	-2.5 to 2.5	Pass
	1745	6	0	20	10.8	3.934	0.0023	-2.5 to 2.5	Pass
					12	1.903	0.0011	-2.5 to 2.5	Pass
					13.2	3.004	0.0017	-2.5 to 2.5	Pass
				-30	12	1.516	0.0009	-2.5 to 2.5	Pass
				-20	12	-0.443	-0.0003	-2.5 to 2.5	Pass
				-10	12	-3.448	-0.0020	-2.5 to 2.5	Pass
				0	12	0.873	0.0005	-2.5 to 2.5	Pass
				10	12	-3.490	-0.0020	-2.5 to 2.5	Pass
				30	12	-4.449	-0.0025	-2.5 to 2.5	Pass
				40	12	-2.174	-0.0012	-2.5 to 2.5	Pass
				50	12	2.074	0.0012	-2.5 to 2.5	Pass
	1779.3	6	0	20	10.8	-0.658	-0.0004	-2.5 to 2.5	Pass
					12	6.795	0.0038	-2.5 to 2.5	Pass
					13.2	0.973	0.0005	-2.5 to 2.5	Pass
				-30	12	4.406	0.0025	-2.5 to 2.5	Pass
				-20	12	0.501	0.0003	-2.5 to 2.5	Pass
				-10	12	3.805	0.0021	-2.5 to 2.5	Pass
				0	12	0.086	0.0000	-2.5 to 2.5	Pass
				10	12	-0.544	-0.0003	-2.5 to 2.5	Pass
				30	12	1.302	0.0007	-2.5 to 2.5	Pass
64QAM	1710.7	6	0	20	10.8	3.147	0.0018	-2.5 to 2.5	Pass
					12	-1.345	-0.0008	-2.5 to 2.5	Pass
					13.2	3.390	0.0020	-2.5 to 2.5	Pass



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				-30	12	-2.604	-0.0015	-2.5 to 2.5	Pass
				-20	12	-2.875	-0.0017	-2.5 to 2.5	Pass
				-10	12	1.745	0.0010	-2.5 to 2.5	Pass
				0	12	5.937	0.0035	-2.5 to 2.5	Pass
				10	12	2.089	0.0012	-2.5 to 2.5	Pass
				30	12	0.772	0.0005	-2.5 to 2.5	Pass
				40	12	-3.891	-0.0023	-2.5 to 2.5	Pass
				50	12	-1.545	-0.0009	-2.5 to 2.5	Pass
	1745	6	0	20	10.8	-0.043	0.0000	-2.5 to 2.5	Pass
					12	-2.360	-0.0014	-2.5 to 2.5	Pass
					13.2	-0.544	-0.0003	-2.5 to 2.5	Pass
				-30	12	2.189	0.0013	-2.5 to 2.5	Pass
				-20	12	2.317	0.0013	-2.5 to 2.5	Pass
				-10	12	2.489	0.0014	-2.5 to 2.5	Pass
				0	12	-2.518	-0.0014	-2.5 to 2.5	Pass
				10	12	4.749	0.0027	-2.5 to 2.5	Pass
				30	12	2.303	0.0013	-2.5 to 2.5	Pass
				40	12	-0.072	0.0000	-2.5 to 2.5	Pass
				50	12	0.815	0.0005	-2.5 to 2.5	Pass
				1779.3	6	0	20	10.8	0.215
	12	2.332	0.0013					-2.5 to 2.5	Pass
	13.2	1.802	0.0010					-2.5 to 2.5	Pass
	-30	12	5.078				0.0029	-2.5 to 2.5	Pass
	-20	12	-1.488				-0.0008	-2.5 to 2.5	Pass
	-10	12	-2.689				-0.0015	-2.5 to 2.5	Pass
	0	12	4.292				0.0024	-2.5 to 2.5	Pass
	10	12	4.749				0.0027	-2.5 to 2.5	Pass
	30	12	8.254				0.0046	-2.5 to 2.5	Pass
	40	12	3.619				0.0020	-2.5 to 2.5	Pass
	50	12	-4.120				-0.0023	-2.5 to 2.5	Pass
256QAM	1710.7	6	0				20	10.8	-2.432
				12	1.702	0.0010		-2.5 to 2.5	Pass
				13.2	-1.159	-0.0007		-2.5 to 2.5	Pass
				-30	12	0.887	0.0005	-2.5 to 2.5	Pass
				-20	12	-2.317	-0.0014	-2.5 to 2.5	Pass
				-10	12	-0.372	-0.0002	-2.5 to 2.5	Pass
				0	12	0.186	0.0001	-2.5 to 2.5	Pass
				10	12	5.393	0.0032	-2.5 to 2.5	Pass
				30	12	3.004	0.0018	-2.5 to 2.5	Pass
				40	12	-0.186	-0.0001	-2.5 to 2.5	Pass
				50	12	6.123	0.0036	-2.5 to 2.5	Pass
				1745	6	0	20	10.8	3.705
	12	0.129	0.0001					-2.5 to 2.5	Pass
	13.2	0.987	0.0006					-2.5 to 2.5	Pass
	-30	12	13.25				0.0025	-2.5 to 2.5	Pass
	-20	12	-1.044				-0.0006	-2.5 to 2.5	Pass
	-10	12	7.939				0.0045	-2.5 to 2.5	Pass
	0	12	7.081				0.0041	-2.5 to 2.5	Pass
	10	12	-0.830				-0.0005	-2.5 to 2.5	Pass
	30	12	4.377				0.0025	-2.5 to 2.5	Pass
	40	12	1.531				0.0009	-2.5 to 2.5	Pass
	50	12	0.916				0.0005	-2.5 to 2.5	Pass
	1779.3	6	0				20	10.8	-0.072
				12	8.254	0.0046		-2.5 to 2.5	Pass



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				13.2	3.176	0.0018	-2.5 to 2.5	Pass
			-30	12	5.822	0.0033	-2.5 to 2.5	Pass
			-20	12	-0.744	-0.0004	-2.5 to 2.5	Pass
			-10	12	3.719	0.0021	-2.5 to 2.5	Pass
			0	12	-3.419	-0.0019	-2.5 to 2.5	Pass
			10	12	3.877	0.0022	-2.5 to 2.5	Pass
			30	12	6.652	0.0037	-2.5 to 2.5	Pass
			40	12	-2.661	-0.0015	-2.5 to 2.5	Pass
			50	12	3.262	0.0018	-2.5 to 2.5	Pass

13.2 B66_3MHz

13.2.1 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	
QPSK	1711.5	15	0	20	10.8	-4.821	-0.0028	-2.5 to 2.5	Pass
					12	-4.463	-0.0026	-2.5 to 2.5	Pass
					13.2	2.232	0.0013	-2.5 to 2.5	Pass
				-30	12	-3.462	-0.0020	-2.5 to 2.5	Pass
				-20	12	1.402	0.0008	-2.5 to 2.5	Pass
				-10	12	2.675	0.0016	-2.5 to 2.5	Pass
				0	12	-0.272	-0.0002	-2.5 to 2.5	Pass
				10	12	1.545	0.0009	-2.5 to 2.5	Pass
				30	12	-5.636	-0.0033	-2.5 to 2.5	Pass
				40	12	2.861	0.0017	-2.5 to 2.5	Pass
	50	12	1.774	0.0010	-2.5 to 2.5	Pass			
	1745	15	0	20	10.8	7.424	0.0043	-2.5 to 2.5	Pass
					12	8.969	0.0051	-2.5 to 2.5	Pass
					13.2	6.266	0.0036	-2.5 to 2.5	Pass
				-30	12	8.640	0.0050	-2.5 to 2.5	Pass
				-20	12	5.078	0.0029	-2.5 to 2.5	Pass
				-10	12	10.242	0.0059	-2.5 to 2.5	Pass
				0	12	-0.072	0.0000	-2.5 to 2.5	Pass
				10	12	3.948	0.0023	-2.5 to 2.5	Pass
				30	12	3.433	0.0020	-2.5 to 2.5	Pass
				40	12	8.240	0.0047	-2.5 to 2.5	Pass
	50	12	3.161	0.0018	-2.5 to 2.5	Pass			
	1778.5	15	0	20	10.8	3.505	0.0020	-2.5 to 2.5	Pass
					12	-0.329	-0.0002	-2.5 to 2.5	Pass
					13.2	0.730	0.0004	-2.5 to 2.5	Pass
				-30	12	2.575	0.0014	-2.5 to 2.5	Pass
				-20	12	2.518	0.0014	-2.5 to 2.5	Pass
				-10	12	0.772	0.0004	-2.5 to 2.5	Pass
				0	12	-2.532	-0.0014	-2.5 to 2.5	Pass
				10	12	1.216	0.0007	-2.5 to 2.5	Pass
				30	12	1.259	0.0007	-2.5 to 2.5	Pass
				40	12	5.722	0.0032	-2.5 to 2.5	Pass
50	12	0.629	0.0004	-2.5 to 2.5	Pass				
16QAM	1711.5	15	0	20	10.8	0.429	0.0003	-2.5 to 2.5	Pass
					12	0.172	0.0001	-2.5 to 2.5	Pass



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64QAM					13.2	1.974	0.0012	-2.5 to 2.5	Pass
				-30	12	-3.777	-0.0022	-2.5 to 2.5	Pass
				-20	12	-0.658	-0.0004	-2.5 to 2.5	Pass
				-10	12	-1.616	-0.0009	-2.5 to 2.5	Pass
				0	12	1.187	0.0007	-2.5 to 2.5	Pass
				10	12	3.247	0.0019	-2.5 to 2.5	Pass
				30	12	-2.489	-0.0015	-2.5 to 2.5	Pass
				40	12	-2.131	-0.0012	-2.5 to 2.5	Pass
				50	12	5.736	0.0034	-2.5 to 2.5	Pass
	1745	15	0	20	10.8	6.137	0.0035	-2.5 to 2.5	Pass
					12	2.117	0.0012	-2.5 to 2.5	Pass
					13.2	6.895	0.0040	-2.5 to 2.5	Pass
				-30	12	3.476	0.0020	-2.5 to 2.5	Pass
				-20	12	5.822	0.0033	-2.5 to 2.5	Pass
				-10	12	4.177	0.0024	-2.5 to 2.5	Pass
				0	12	7.825	0.0045	-2.5 to 2.5	Pass
				10	12	6.809	0.0039	-2.5 to 2.5	Pass
				30	12	1.016	0.0006	-2.5 to 2.5	Pass
				40	12	3.991	0.0023	-2.5 to 2.5	Pass
				50	12	8.512	0.0049	-2.5 to 2.5	Pass
	1778.5	15	0	20	10.8	-0.315	-0.0002	-2.5 to 2.5	Pass
					12	0.558	0.0003	-2.5 to 2.5	Pass
					13.2	1.674	0.0009	-2.5 to 2.5	Pass
				-30	12	2.189	0.0012	-2.5 to 2.5	Pass
				-20	12	3.691	0.0021	-2.5 to 2.5	Pass
				-10	12	3.734	0.0021	-2.5 to 2.5	Pass
				0	12	2.275	0.0013	-2.5 to 2.5	Pass
				10	12	1.831	0.0010	-2.5 to 2.5	Pass
				30	12	3.991	0.0022	-2.5 to 2.5	Pass
				40	12	6.037	0.0034	-2.5 to 2.5	Pass
				50	12	2.503	0.0014	-2.5 to 2.5	Pass
	1711.5	15	0	20	10.8	-4.721	-0.0028	-2.5 to 2.5	Pass
					12	-2.575	-0.0015	-2.5 to 2.5	Pass
					13.2	2.303	0.0013	-2.5 to 2.5	Pass
				-30	12	0.801	0.0005	-2.5 to 2.5	Pass
				-20	12	-0.572	-0.0003	-2.5 to 2.5	Pass
				-10	12	-1.445	-0.0008	-2.5 to 2.5	Pass
				0	12	-1.259	-0.0007	-2.5 to 2.5	Pass
				10	12	-2.060	-0.0012	-2.5 to 2.5	Pass
				30	12	-1.659	-0.0010	-2.5 to 2.5	Pass
				40	12	-1.245	-0.0007	-2.5 to 2.5	Pass
				50	12	4.063	0.0024	-2.5 to 2.5	Pass
	1745	15	0	20	10.8	4.420	0.0025	-2.5 to 2.5	Pass
					12	4.406	0.0025	-2.5 to 2.5	Pass
					13.2	4.592	0.0026	-2.5 to 2.5	Pass
				-30	12	5.951	0.0034	-2.5 to 2.5	Pass
				-20	12	8.626	0.0049	-2.5 to 2.5	Pass
				-10	12	6.709	0.0038	-2.5 to 2.5	Pass
				0	12	8.125	0.0047	-2.5 to 2.5	Pass
				10	12	-0.730	-0.0004	-2.5 to 2.5	Pass
				30	12	7.124	0.0041	-2.5 to 2.5	Pass
				40	12	10.86	0.0019	-2.5 to 2.5	Pass
				50	12	5.479	0.0031	-2.5 to 2.5	Pass
	1778.5	15	0	20	10.8	-2.089	-0.0012	-2.5 to 2.5	Pass



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256QAM	1711.5	15	0		12	0.243	0.0001	-2.5 to 2.5	Pass
					13.2	2.604	0.0015	-2.5 to 2.5	Pass
				-30	12	2.904	0.0016	-2.5 to 2.5	Pass
				-20	12	-0.558	-0.0003	-2.5 to 2.5	Pass
				-10	12	-1.702	-0.0010	-2.5 to 2.5	Pass
				0	12	-1.159	-0.0007	-2.5 to 2.5	Pass
				10	12	3.119	0.0018	-2.5 to 2.5	Pass
				30	12	0.916	0.0005	-2.5 to 2.5	Pass
				40	12	1.531	0.0009	-2.5 to 2.5	Pass
				50	12	-1.574	-0.0009	-2.5 to 2.5	Pass
	1745	15	0	20	10.8	1.874	0.0011	-2.5 to 2.5	Pass
					12	-0.772	-0.0005	-2.5 to 2.5	Pass
					13.2	1.574	0.0009	-2.5 to 2.5	Pass
				-30	12	0.558	0.0003	-2.5 to 2.5	Pass
				-20	12	0.257	0.0002	-2.5 to 2.5	Pass
				-10	12	3.262	0.0019	-2.5 to 2.5	Pass
				0	12	-1.616	-0.0009	-2.5 to 2.5	Pass
				10	12	-0.987	-0.0006	-2.5 to 2.5	Pass
				30	12	1.330	0.0008	-2.5 to 2.5	Pass
				40	12	-1.116	-0.0007	-2.5 to 2.5	Pass
	1778.5	15	0	20	10.8	3.533	0.0020	-2.5 to 2.5	Pass
					12	2.689	0.0015	-2.5 to 2.5	Pass
					13.2	3.347	0.0019	-2.5 to 2.5	Pass
				-30	12	1.917	0.0011	-2.5 to 2.5	Pass
				-20	12	1.259	0.0007	-2.5 to 2.5	Pass
				-10	12	5.393	0.0030	-2.5 to 2.5	Pass
				0	12	4.020	0.0023	-2.5 to 2.5	Pass
				10	12	1.101	0.0006	-2.5 to 2.5	Pass
				30	12	-1.516	-0.0009	-2.5 to 2.5	Pass
				40	12	-0.644	-0.0004	-2.5 to 2.5	Pass
				50	12	5.765	0.0032	-2.5 to 2.5	Pass

13.3 B66_5MHz

13.3.1 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	
OPSK	1712.5	25	0	20	10.8	4.678	0.0027	-2.5 to 2.5	Pass



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					12	3.147	0.0018	-2.5 to 2.5	Pass
					13.2	5.078	0.0030	-2.5 to 2.5	Pass
				-30	12	2.503	0.0015	-2.5 to 2.5	Pass
				-20	12	0.687	0.0004	-2.5 to 2.5	Pass
				-10	12	2.718	0.0016	-2.5 to 2.5	Pass
				0	12	2.246	0.0013	-2.5 to 2.5	Pass
				10	12	5.522	0.0032	-2.5 to 2.5	Pass
				30	12	2.217	0.0013	-2.5 to 2.5	Pass
				40	12	3.591	0.0021	-2.5 to 2.5	Pass
				50	12	3.219	0.0019	-2.5 to 2.5	Pass
	1745	25	0	20	10.8	6.866	0.0039	-2.5 to 2.5	Pass
					12	4.449	0.0025	-2.5 to 2.5	Pass
					13.2	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	12	4.864	0.0028	-2.5 to 2.5	Pass
				-20	12	6.809	0.0039	-2.5 to 2.5	Pass
				-10	12	7.296	0.0042	-2.5 to 2.5	Pass
				0	12	5.279	0.0030	-2.5 to 2.5	Pass
				10	12	5.794	0.0033	-2.5 to 2.5	Pass
				30	12	3.147	0.0018	-2.5 to 2.5	Pass
				40	12	7.839	0.0045	-2.5 to 2.5	Pass
	50	12	5.951	0.0034	-2.5 to 2.5	Pass			
	1777.5	25	0	20	10.8	3.791	0.0021	-2.5 to 2.5	Pass
					12	-0.372	-0.0002	-2.5 to 2.5	Pass
					13.2	0.329	0.0002	-2.5 to 2.5	Pass
				-30	12	1.903	0.0011	-2.5 to 2.5	Pass
				-20	12	2.103	0.0012	-2.5 to 2.5	Pass
				-10	12	-2.389	-0.0013	-2.5 to 2.5	Pass
				0	12	-1.488	-0.0008	-2.5 to 2.5	Pass
				10	12	2.675	0.0015	-2.5 to 2.5	Pass
				30	12	-1.016	-0.0006	-2.5 to 2.5	Pass
40				12	3.433	0.0019	-2.5 to 2.5	Pass	
50	12	-0.186	-0.0001	-2.5 to 2.5	Pass				
16QAM	1712.5	25	0	20	10.8	5.665	0.0033	-2.5 to 2.5	Pass
					12	4.749	0.0028	-2.5 to 2.5	Pass
					13.2	6.423	0.0038	-2.5 to 2.5	Pass
				-30	12	-0.215	-0.0001	-2.5 to 2.5	Pass
				-20	12	7.739	0.0045	-2.5 to 2.5	Pass
				-10	12	2.089	0.0012	-2.5 to 2.5	Pass
				0	12	4.005	0.0023	-2.5 to 2.5	Pass
				10	12	2.460	0.0014	-2.5 to 2.5	Pass
				30	12	1.559	0.0009	-2.5 to 2.5	Pass
				40	12	2.289	0.0013	-2.5 to 2.5	Pass
	50	12	2.675	0.0016	-2.5 to 2.5	Pass			
	1745	25	0	20	10.8	0.014	0.0000	-2.5 to 2.5	Pass
					12	2.589	0.0015	-2.5 to 2.5	Pass
					13.2	9.141	0.0052	-2.5 to 2.5	Pass
				-30	12	5.965	0.0034	-2.5 to 2.5	Pass
				-20	12	1.345	0.0008	-2.5 to 2.5	Pass
				-10	12	4.935	0.0028	-2.5 to 2.5	Pass
				0	12	2.203	0.0013	-2.5 to 2.5	Pass
				10	12	5.479	0.0031	-2.5 to 2.5	Pass
				30	12	5.307	0.0030	-2.5 to 2.5	Pass
40				12	2.532	0.0015	-2.5 to 2.5	Pass	
50	12	1.960	0.0011	-2.5 to 2.5	Pass				



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	1777.5	25	0	20	10.8	-2.618	-0.0015	-2.5 to 2.5	Pass
					12	-3.419	-0.0019	-2.5 to 2.5	Pass
					13.2	2.818	0.0016	-2.5 to 2.5	Pass
				-30	12	0.229	0.0001	-2.5 to 2.5	Pass
				-20	12	2.732	0.0015	-2.5 to 2.5	Pass
				-10	12	1.373	0.0008	-2.5 to 2.5	Pass
				0	12	-0.086	0.0000	-2.5 to 2.5	Pass
				10	12	1.588	0.0009	-2.5 to 2.5	Pass
				30	12	1.259	0.0007	-2.5 to 2.5	Pass
				40	12	1.216	0.0007	-2.5 to 2.5	Pass
50	12	2.847	0.0016	-2.5 to 2.5	Pass				
64QAM	1712.5	25	0	20	10.8	8.841	0.0052	-2.5 to 2.5	Pass
					12	4.148	0.0024	-2.5 to 2.5	Pass
					13.2	5.507	0.0032	-2.5 to 2.5	Pass
				-30	12	6.008	0.0035	-2.5 to 2.5	Pass
				-20	12	1.974	0.0012	-2.5 to 2.5	Pass
				-10	12	1.688	0.0010	-2.5 to 2.5	Pass
				0	12	5.236	0.0031	-2.5 to 2.5	Pass
				10	12	6.366	0.0037	-2.5 to 2.5	Pass
				30	12	4.978	0.0029	-2.5 to 2.5	Pass
				40	12	6.223	0.0036	-2.5 to 2.5	Pass
	50	12	4.048	0.0024	-2.5 to 2.5	Pass			
	1745	25	0	20	10.8	2.618	0.0015	-2.5 to 2.5	Pass
					12	5.422	0.0031	-2.5 to 2.5	Pass
					13.2	3.834	0.0022	-2.5 to 2.5	Pass
				-30	12	8.855	0.0051	-2.5 to 2.5	Pass
				-20	12	4.377	0.0025	-2.5 to 2.5	Pass
				-10	12	4.563	0.0026	-2.5 to 2.5	Pass
				0	12	5.279	0.0030	-2.5 to 2.5	Pass
				10	12	5.193	0.0030	-2.5 to 2.5	Pass
				30	12	2.732	0.0016	-2.5 to 2.5	Pass
				40	12	5.765	0.0033	-2.5 to 2.5	Pass
	50	12	3.977	0.0023	-2.5 to 2.5	Pass			
	1777.5	25	0	20	10.8	1.030	0.0006	-2.5 to 2.5	Pass
					12	1.945	0.0011	-2.5 to 2.5	Pass
					13.2	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	12	3.161	0.0018	-2.5 to 2.5	Pass
				-20	12	0.973	0.0005	-2.5 to 2.5	Pass
				-10	12	2.589	0.0015	-2.5 to 2.5	Pass
				0	12	0.973	0.0005	-2.5 to 2.5	Pass
				10	12	-1.860	-0.0010	-2.5 to 2.5	Pass
30				12	-3.791	-0.0021	-2.5 to 2.5	Pass	
40				12	-2.632	-0.0015	-2.5 to 2.5	Pass	
50	12	1.101	0.0006	-2.5 to 2.5	Pass				
256QAM	1712.5	25	0	20	10.8	1.631	0.0010	-2.5 to 2.5	Pass
					12	3.991	0.0023	-2.5 to 2.5	Pass
					13.2	3.448	0.0020	-2.5 to 2.5	Pass
				-30	12	3.777	0.0022	-2.5 to 2.5	Pass
				-20	12	5.808	0.0034	-2.5 to 2.5	Pass
				-10	12	0.758	0.0004	-2.5 to 2.5	Pass
				0	12	2.589	0.0015	-2.5 to 2.5	Pass
				10	12	3.462	0.0020	-2.5 to 2.5	Pass
				30	12	4.749	0.0028	-2.5 to 2.5	Pass
40	12	7.539	0.0044	-2.5 to 2.5	Pass				



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	1745	25	0	50	12	4.163	0.0024	-2.5 to 2.5	Pass
				20	10.8	5.493	0.0031	-2.5 to 2.5	Pass
					12	7.267	0.0042	-2.5 to 2.5	Pass
					13.2	3.991	0.0023	-2.5 to 2.5	Pass
				-30	12	5.808	0.0033	-2.5 to 2.5	Pass
				-20	12	2.990	0.0017	-2.5 to 2.5	Pass
				-10	12	5.679	0.0033	-2.5 to 2.5	Pass
				0	12	6.866	0.0039	-2.5 to 2.5	Pass
				10	12	5.565	0.0032	-2.5 to 2.5	Pass
				30	12	5.665	0.0032	-2.5 to 2.5	Pass
	1777.5	25	0	40	12	9.398	0.0054	-2.5 to 2.5	Pass
				50	12	4.721	0.0027	-2.5 to 2.5	Pass
				20	10.8	-0.386	-0.0002	-2.5 to 2.5	Pass
					12	-0.243	-0.0001	-2.5 to 2.5	Pass
					13.2	-0.086	0.0000	-2.5 to 2.5	Pass
				-30	12	1.888	0.0011	-2.5 to 2.5	Pass
				-20	12	1.159	0.0007	-2.5 to 2.5	Pass
				-10	12	-1.616	-0.0009	-2.5 to 2.5	Pass
				0	12	1.016	0.0006	-2.5 to 2.5	Pass
				10	12	1.473	0.0008	-2.5 to 2.5	Pass
				30	12	0.429	0.0002	-2.5 to 2.5	Pass
				40	12	0.529	0.0003	-2.5 to 2.5	Pass
				50	12	-0.386	-0.0002	-2.5 to 2.5	Pass

13.4 B66_10MHz

13.4.1 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	
QPSK	1715	50	0	20	10.8	3.519	0.0021	-2.5 to 2.5	Pass
					12	2.489	0.0015	-2.5 to 2.5	Pass
					13.2	5.207	0.0030	-2.5 to 2.5	Pass
				-30	12	1.802	0.0011	-2.5 to 2.5	Pass
				-20	12	1.602	0.0009	-2.5 to 2.5	Pass
				-10	12	1.230	0.0007	-2.5 to 2.5	Pass
				0	12	2.546	0.0015	-2.5 to 2.5	Pass
				10	12	1.402	0.0008	-2.5 to 2.5	Pass
				30	12	1.802	0.0011	-2.5 to 2.5	Pass
				40	12	0.701	0.0004	-2.5 to 2.5	Pass
	1745	50	0	50	12	6.394	0.0037	-2.5 to 2.5	Pass
				20	10.8	-4.692	-0.0027	-2.5 to 2.5	Pass
					12	-4.535	-0.0026	-2.5 to 2.5	Pass
					13.2	-2.689	-0.0015	-2.5 to 2.5	Pass
				-30	12	-13.25	-0.0025	-2.5 to 2.5	Pass
				-20	12	-3.676	-0.0021	-2.5 to 2.5	Pass
				-10	12	-1.144	-0.0007	-2.5 to 2.5	Pass
				0	12	-2.818	-0.0016	-2.5 to 2.5	Pass
				10	12	0.501	0.0003	-2.5 to 2.5	Pass
				30	12	0.730	0.0004	-2.5 to 2.5	Pass
				40	12	-3.633	-0.0021	-2.5 to 2.5	Pass



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				50	12	-4.749	-0.0027	-2.5 to 2.5	Pass
	1775	50	0	20	10.8	-0.958	-0.0005	-2.5 to 2.5	Pass
					12	1.330	0.0007	-2.5 to 2.5	Pass
					13.2	0.129	0.0001	-2.5 to 2.5	Pass
				-30	12	2.346	0.0013	-2.5 to 2.5	Pass
				-20	12	6.595	0.0037	-2.5 to 2.5	Pass
				-10	12	5.207	0.0029	-2.5 to 2.5	Pass
				0	12	3.891	0.0022	-2.5 to 2.5	Pass
				10	12	-0.429	-0.0002	-2.5 to 2.5	Pass
				30	12	-1.445	-0.0008	-2.5 to 2.5	Pass
40				12	1.330	0.0007	-2.5 to 2.5	Pass	
50	12	1.688	0.0010	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	10.8	2.046	0.0012	-2.5 to 2.5	Pass
					12	5.178	0.0030	-2.5 to 2.5	Pass
					13.2	4.306	0.0025	-2.5 to 2.5	Pass
				-30	12	5.450	0.0032	-2.5 to 2.5	Pass
				-20	12	5.894	0.0034	-2.5 to 2.5	Pass
				-10	12	3.977	0.0023	-2.5 to 2.5	Pass
				0	12	3.648	0.0021	-2.5 to 2.5	Pass
				10	12	5.121	0.0030	-2.5 to 2.5	Pass
				30	12	5.221	0.0030	-2.5 to 2.5	Pass
				40	12	5.522	0.0032	-2.5 to 2.5	Pass
	50	12	3.147	0.0018	-2.5 to 2.5	Pass			
	1745	50	0	20	10.8	-0.272	-0.0002	-2.5 to 2.5	Pass
					12	-0.730	-0.0004	-2.5 to 2.5	Pass
					13.2	3.347	0.0019	-2.5 to 2.5	Pass
				-30	12	-2.475	-0.0014	-2.5 to 2.5	Pass
				-20	12	-1.316	-0.0008	-2.5 to 2.5	Pass
				-10	12	-2.017	-0.0012	-2.5 to 2.5	Pass
				0	12	-0.987	-0.0006	-2.5 to 2.5	Pass
				10	12	5.107	0.0029	-2.5 to 2.5	Pass
				30	12	-0.358	-0.0002	-2.5 to 2.5	Pass
				40	12	2.317	0.0013	-2.5 to 2.5	Pass
	50	12	3.333	0.0019	-2.5 to 2.5	Pass			
	1775	50	0	20	10.8	0.172	0.0001	-2.5 to 2.5	Pass
					12	-0.815	-0.0005	-2.5 to 2.5	Pass
					13.2	-1.402	-0.0008	-2.5 to 2.5	Pass
				-30	12	-1.273	-0.0007	-2.5 to 2.5	Pass
				-20	12	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	12	1.173	0.0007	-2.5 to 2.5	Pass
				0	12	-2.303	-0.0013	-2.5 to 2.5	Pass
				10	12	-1.402	-0.0008	-2.5 to 2.5	Pass
30				12	2.031	0.0011	-2.5 to 2.5	Pass	
40				12	0.329	0.0002	-2.5 to 2.5	Pass	
50	12	-1.159	-0.0007	-2.5 to 2.5	Pass				
64QAM	1715	50	0	20	10.8	3.433	0.0020	-2.5 to 2.5	Pass
					12	1.960	0.0011	-2.5 to 2.5	Pass
					13.2	1.302	0.0008	-2.5 to 2.5	Pass
				-30	12	3.562	0.0021	-2.5 to 2.5	Pass
				-20	12	1.402	0.0008	-2.5 to 2.5	Pass
				-10	12	3.805	0.0022	-2.5 to 2.5	Pass
				0	12	2.432	0.0014	-2.5 to 2.5	Pass
				10	12	0.973	0.0006	-2.5 to 2.5	Pass
30	12	3.834	0.0022	-2.5 to 2.5	Pass				



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